DESK STUDY & BASEMENT IMPACT ASSESSMENT REPORT

26 Christchurch Hill
London
NW3 1LG

Client: Mr Ron Pascalovici

Engineer: Price and Myers

J15258

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GEA Geotechnical & Environmental Associates

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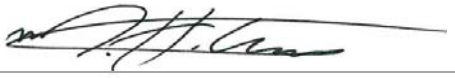
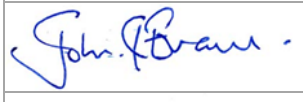
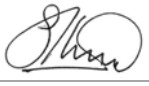
Report prepared by			
	Matthew Legg BEng FGS		
With input from			
	Martin Cooper BEng CEng MICE FGS		
			
	John Evans MSc FGS CGeol		
	Rupert Evans MSc CEnv CWEM MCIWEM AIEMA		
Report checked and approved for issue by			
	Steve Branch BSc MSc CGeol FGS FRGS MIEnvSc		

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This report has been issued by the GEA office indicated below. Any enquiries regarding the report should be directed to the office indicated or to Steve Branch in our Herts office.

☑	Hertfordshire	tel 01727 824666	mail@gea-ltd.co.uk
☐	Nottinghamshire	tel 01509 674888	midlands@gea-ltd.co.uk

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This report is intended as a Ground Investigation Report (GIR) as defined in BS EN1997-2, unless specifically noted otherwise. The report is not a Geotechnical Design Report (GDR) as defined in EN1997-2 and recommendations made within this report are for guidance only.

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EXECUTIVE SUMMARY

This executive summary contains an overview of the key findings and conclusions. No reliance should be placed on any part of the executive summary until the whole of the report has been read. Other sections of the report may contain information that puts into context the findings that are summarised in the executive summary.

BRIEF

This report describes the findings of a site investigation carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of Mr Ron Pascalovici, with respect to the extension of the existing house, which will include the excavation and construction of a single level basement below the northwestern half of the house. The purpose of the investigation has been to research the history of the site with respect to previous contaminative uses, to determine the ground conditions, to provide a preliminary assessment of the extent of any contamination and to provide information to assist with the design of the basement structure and suitable foundations. This report also includes a Basement Impact Assessment in order to comply with London Borough of Camden (LBC) Planning Guidance CPG4.

DESK STUDY FINDINGS

The existing house is Grade II listed and was constructed in the early 19th Century. The desk study has confirmed that the site has been occupied by essentially the same house since before 1879, although it is likely to have undergone minor alterations, including the construction of several extensions. The existing single storey outbuilding was constructed between 1915 and 1934. The surrounding area has been in essentially the same configuration since before 1879. No on site or off-site potential sources of contamination have been encountered and there is not considered to be a risk of landfill gas migrating towards the site. There is therefore considered to be a very low risk of contamination being present at the site.

GROUND CONDITIONS.

The investigation has generally confirmed the expected ground conditions in that, beneath a generally moderate thickness of made ground, soils interpreted as Head Deposits were encountered over the Claygate Member of the London Clay. Made ground was encountered to depths of between 0.50 m (102.69 m OD) and 1.20 m (103.70 m OD) and generally comprised dark brown locally clayey, sandy silt with roots, rootlets, brick, coal and slate fragments. Below the made ground, soft pale grey and greyish brown mottled orange-brown very sandy silt with fine to coarse subrounded to well-rounded gravel was encountered to depths of between 2.00 m (101.00 m OD) and 3.30 m (101.60 m OD). These soils are thought to represent Head Deposits formed of weathered and re-worked Claygate Member. Below these depths, the Claygate Member was encountered and initially comprised firm brown, dark grey and bluish grey locally slightly clayey sandy silt with pockets and lenses of fine sand, pockets of silty clay and fine selenite. This horizon extended to the maximum depth investigated in the window sampler boreholes, of 6.00 m (97.00 m OD) and to 7.50 m (97.40 m OD) in Borehole No 1, whereupon firm becoming stiff dark grey silty sandy clay was encountered and proved to the maximum depth investigated, of 15.00 m (89.45 m OD).

Seepage of groundwater was encountered in Borehole No 3 at a depth of 1.00 m (102.19 m OD), whilst slow inflows were recorded in all boreholes at various depths between 4.00 m (100.90 m OD) and 7.00 m (97.90 m OD). Subsequent groundwater monitoring indicated groundwater at depths of between 3.43 m and 1.92 m, levels of between 101.47 m OD and 100.62 m OD. The contamination testing has indicated elevated concentrations of lead in the three samples of made ground tested.

RECOMMENDATIONS

Formation level for the proposed basement will be at 100.43 m OD and 99.56 m OD within the Claygate Member. Groundwater is at a level of around 101.40 m OD and so will be encountered within the excavation, although further groundwater monitoring and trial excavations. On the basis of the proposed development, it has been concluded that the proposed basement will not have an impact on the hydrological or hydrogeological setting. The ground movement analysis has indicated that the predicted damage to the neighbouring properties will be 'Negligible to 'Very Slight', and thus generally fall within acceptable limits. A single elevation to No 5 Well Road is indicated as potentially experiencing Category 2 and Slight damage. However, the conservative approach of the movement analysis is likely to be over-predicting movements and as such, that level of damage is unlikely to be realised. On the basis of the proposed development, remedial measures are not considered to be required with regard to contamination.

Part 1: INVESTIGATION REPORT

This section of the report details the objectives of the investigation, the work that has been carried out to meet these objectives and the results of the investigation. Interpretation of the findings is presented in Part 2.

1.0 INTRODUCTION

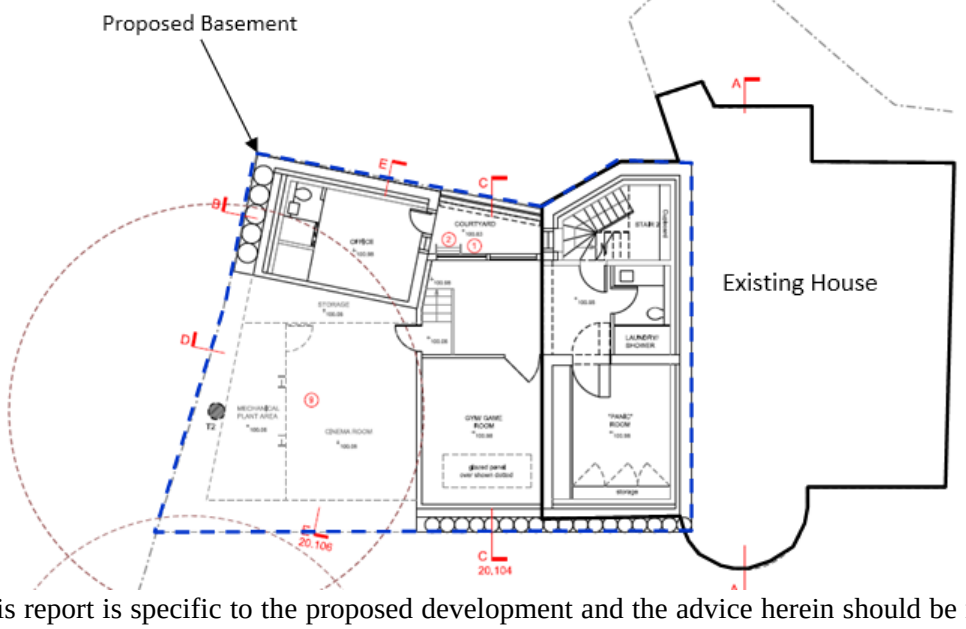
Geotechnical and Environmental Associates (GEA) has been commissioned by Mr Ron Pascalovici to carry out a desk study and ground investigation at 26 Christchurch Hill, London NW3 1LG. Price and Myers are the consulting engineers.

The intrusive site investigation was carried out in September 2015, following which the project underwent a period of pre-application consultation in order to arrive at the current development proposals. This report has been derived using the results of the investigation and also forms part of a Basement Impact Assessment (BIA), which has been carried out in accordance with guidelines from the London Borough of Camden in support of a planning application.

1.1 Proposed Development

It is understood that it is proposed to extend the existing house, which will include the excavation and construction of a single level basement below the northwestern half of the house, extending out beneath the northwestern part of the garden and a single storey outbuilding, which will be converted into a single storey garage at ground floor level. Due to a root protection zone for a tree that is subject to a tree preservation order, the part of the basement within the tree protection zone will maintain an approximately 1.60 m thickness of soil above. As a result, and due to the varying levels of the site, the founding depth of the basement will be between approximately 3.30 m and 5.50 m below ground level.

The plan below shows the outline of the proposed basement superimposed onto the existing ground floor plan.



This report is specific to the proposed development and the advice herein should be reviewed once the development proposals have been finalised.

1.2 Purpose of Work

The principal technical objectives of the work carried out were as follows:

- to check the history of the site with respect to previous contaminative uses;
- to determine the ground conditions and their engineering properties;
- to assess the possible impact of the proposed development on the local hydrogeology and surrounding structures;
- to provide advice with respect to the design of suitable foundations and retaining walls;
- to provide an indication of the degree of soil contamination present; and
- to assess the risk that any such contamination may pose to the proposed development, its users or the wider environment.

1.3 Scope of Work

In order to meet the above objectives, a desk study was carried out, followed by a ground investigation. The desk study comprised:

- a review of readily available geological and topographical maps;
- a review of historical Ordnance Survey (OS) maps and environmental searches sourced from the Envirocheck database; and
- a walkover survey of the site carried out in conjunction with the fieldwork.

In the light of this desk study an intrusive ground investigation was carried out which comprised, in summary, the following activities:

- a single borehole advanced to a depth of 15.45 m by means of a dismantlable cable percussion drilling rig;
- standard penetration tests (SPTs), carried out at regular intervals in the borehole, to provide quantitative data on the strength of the soils;
- a series of three window sampler boreholes advanced to a depth of 6.00 m;
- the installation of three groundwater monitoring standpipes, to depths of between 4.40 m and 8.00 m, and two subsequent monitoring visits over a four-week period;
- two manually excavated trial pits to depths of between 1.00 m and 1.10 m;
- laboratory testing of selected soil samples for geotechnical purposes; and
- provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

1.3.1 Basement Impact Assessment

The work carried out also includes a Hydrological and Hydrogeological Assessment and Land Stability Assessment (also referred to as Slope Stability Assessment), all of which form part of the BIA procedure specified in the London Borough of Camden (LBC) Planning Guidance CPG4[1] and their Guidance for Subterranean Development[2] prepared by Arup (the "Arup report"). The aim of the work is to provide information on surface water, groundwater and land stability and in particular to assess whether the development will affect neighbouring properties or groundwater movements and whether any identified impacts can be appropriately mitigated by the design of the development.

1.3.2 Qualifications

The land stability element of the Basement Impact Assessment (BIA) has been carried out by Martin Cooper, a BEng in Civil Engineering, a chartered engineer (CEng), member of the Institution of Civil Engineers (MICE), and Fellow of the Geological Society of London (FGS) who has over 20 years' specialist experience in ground engineering. The subterranean (groundwater) flow assessment has been carried out by John Evans, MSc in Hydrogeology, Chartered Geologist (CGeol) and Fellow of the Geological Society of London (FGS). The surface water and flooding assessment has been carried out by Rupert Evans, a hydrologist with more than ten years consultancy experience in flood risk assessment, surface water drainage schemes and hydrology / hydraulic modelling. Rupert Evans is a Chartered Environmentalist, Chartered Water and Environmental Manager and a Member of CIWEM.

The assessments have been made in conjunction with Steve Branch, a BSc in Engineering Geology and Geotechnics, MSc in Geotechnical Engineering, a chartered geologist (CGeol) and Fellow of the Geological Society (FGS) with 30 years' experience in geotechnical engineering and engineering geology.

All assessors meet the qualification requirements of the Council guidance.

1.4 Limitations

The conclusions and recommendations made in this report are limited to those that can be made on the basis of the investigation. The results of the work should be viewed in the context of the range of data sources consulted, the number of locations where the ground was sampled and the number of soil, gas or groundwater samples tested; no liability can be accepted for information in other data sources or conditions not revealed by the sampling or testing. Any comments made on the basis of information obtained from the client or other third parties are given in good faith on the assumption that the information is accurate; no independent validation of such information has been made by GEA.

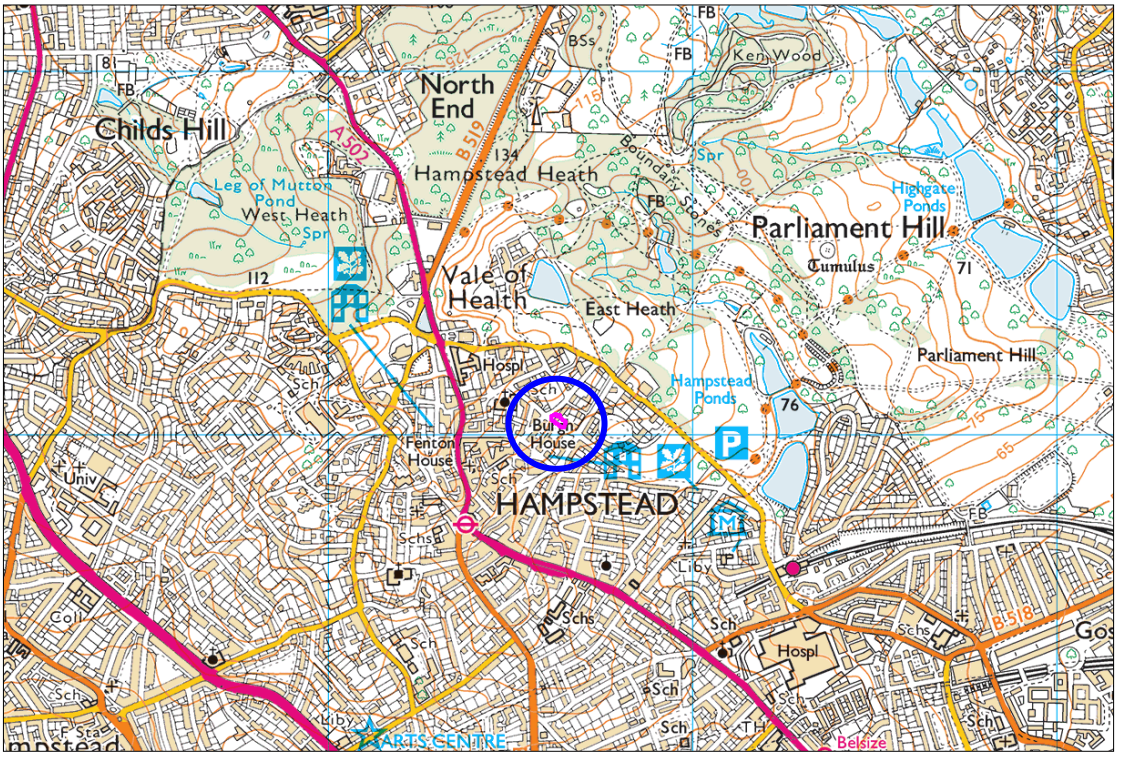
The exploratory methods adopted in this investigation have been selected on the basis of the constraints of the site including but not limited to access and space limitations, together with any budgetary or timing constraints. Where it has not been possible to reasonably use an EC7 compliant investigation technique a practical alternative has been adopted to obtain indicative soil parameters and any interpretation is based upon GEA's engineering experience, local precedent where applicable and relevant published information.

1 London Borough of Camden Planning Guidance CPG4 *Basements and lightwells*
2 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010

2.0 THE SITE

2.1 Site Description

The site is located in Hampstead, northwest London, approximately 360 m to the northeast of Hampstead London Underground station. It may be additionally located by National Grid Reference 526630,186040 and is shown on the map below.



View of the house looking northwest.

View of terraced lawn in the northwestern corner.

The site covers a roughly rectangular area with maximum dimensions of approximately 40 m northwest-southeast by 20 m northeast-southwest, and is currently occupied by No 26 Christchurch Hill, an irregular shaped, Grade II listed two-storey house that is positioned in the centre of the site. In addition to the house there is a single-storey outbuilding present in the northern corner of the site, which is currently used as an office, although it is understood that it had previously been used as a garage. The northwestern end of the site is laid to lawn, whilst the central portion is covered in concrete paving and the southeastern half covered in an artificial grass, with the borders densely vegetated with shrubs, bushes and mature

deciduous trees, a number of which stand at heights of over 20 m. Tree species include oak, plane and ash.

The site slopes down to the southeast, in keeping with general topography of the surrounding area, which also slopes down to the southwest. The site has however been terraced to form two level areas. The lawn area at the northwestern end of the site is raised above the remainder of the site by approximately 1 m and is supported by a small brick built retaining wall, whilst the northwestern boundary is elevated above the ground floor of the house by approximately 2 m, forming a gradient down to the retaining wall of approximately 5°.

2.2 Site History

The site history has been researched by reference to online data and historical OS maps obtained from the Landmark database.

Information available online[3] indicates that the existing house was constructed in the early 19th Century. The earliest Ordnance Survey (OS) map studied, dated 1879, shows the site to be occupied by the existing house. The majority of the existing road network was established at that time, although was not fully developed. Through the latter half of the 19th Century and into the beginning of the 20th Century, houses were gradually developed along the streets, whilst some time between 1915 and 1934, the existing outbuilding in the northwestern corner of the site was constructed, from which time the site was referred to as Christchurch Cottage. The site and surrounding area have since remained essentially unchanged.

2.3 Other Information

A search of public registers and databases has been made by GEA via the Envirocheck database and relevant extracts from the search are appended. Full results of the search can be provided if required.

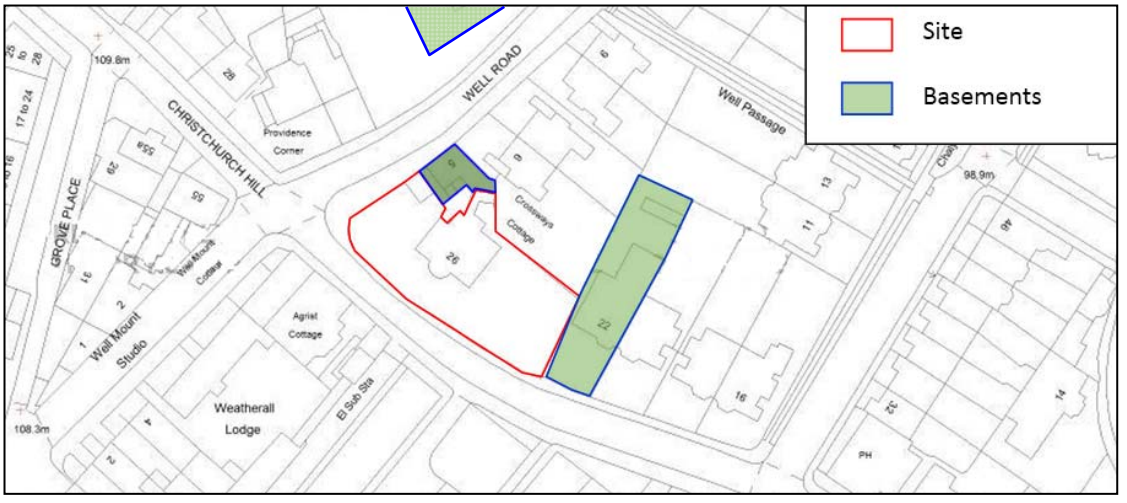
The search has revealed that there are no existing or historical landfill sites, waste management, transfer or disposal sites within 500 m of the site. There have also not been any recorded pollution incidents to controlled waters within 500 m of the site and there are no recorded contaminated land registered sites within 500 m of the site. There are no Local Authority Pollution Prevention Controls (LAPPC) in place on sites within 100 m of the site and there are no discharge consents within 250 m of the site.

The search has indicated that the site is located in an area where less than 1% of homes are affected by radon emissions; as classified by the Health Protection Agency (HPA) and therefore no radon protective measures will be necessary.

Information on the properties surrounding the site has been gathered from the Local Authority planning portal and the results are summarised on the map overleaf.

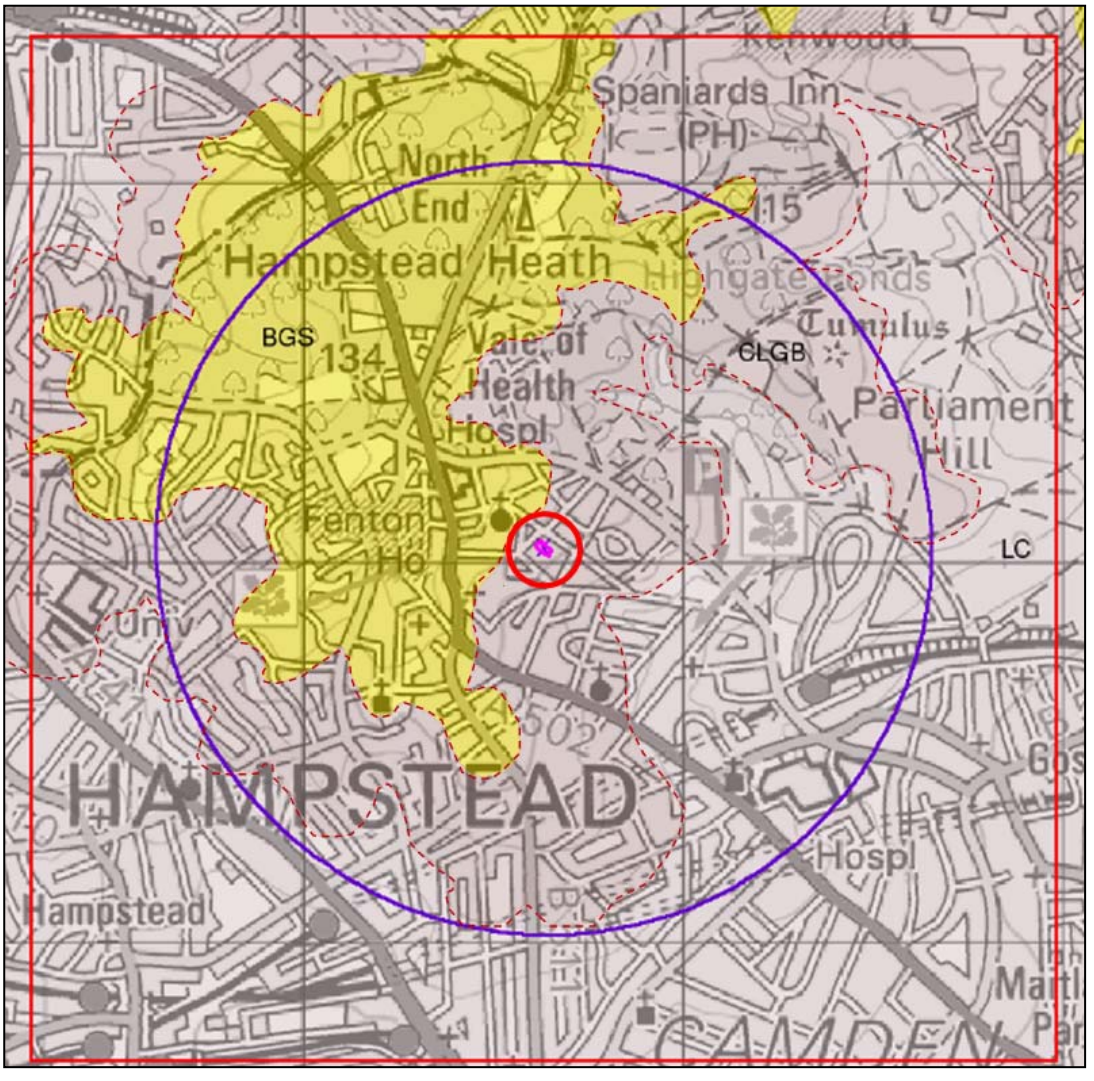
The neighbouring No 22 to the southeast of the site was granted planning permission for the excavation of a single level basement in June 2007. No 5 Well Road, the neighbouring property to the northeast, was granted permission for the construction of additional basement rooms in July 2014. No 24 Well Road to the north of the site was granted planning permission for a single level basement beneath the property and partially below the side garden in July 2009.

[3] https://www.britishlistedbuildings.co.uk/en-476925-26-christchurch-hill-greater-london-auth#.WAjxdGfruUk



2.4 Geology

The British Geological Survey (BGS) map of the area (sheet 256) indicates that the site is underlain by the Claygate Member, as shown by the digital geological map extract below, which also indicates the site to be located close to the boundary with the overlying Bagshot Formation.



The geology in this area is generally horizontally bedded such that the boundary between the geological formations roughly follows the ground surface contour lines. The boundary between the Claygate Member and overlying Bagshot Formation is approximately 50 m to the northwest at a level of approximately 110 m OD, around 6.00 m above the level of the site. The boundary between the Claygate member and the upper unit of the London Clay is at a level of between 80 m OD and 85 m OD, approximately 250 m to the southeast and around 20 m below the level of the site.

An investigation previously carried out by GEA to the northwest of the site encountered the boundary between the Bagshot Formation and the Claygate Member at a level of approximately 112.50 m OD. A search of archive borehole records held at the BGS has indicated that two boreholes were previously advanced in close proximity to the site, one approximately 65 m to the southwest along Well Road and the other approximately 120 m to the east along Well Walk. Both boreholes encountered the Claygate Member to the maximum depth investigated of 12.00 m, which generally comprised a sequence of firm to stiff dark grey silty and sandy clays with horizons of silty sand.

2.5 Hydrology and Hydrogeology

The Claygate Member is classified on aquifer designation maps as a Secondary 'A' Aquifer, which refers to strata that contain permeable layers capable of supporting water supply at a local level and in some cases may form an important source of base flow for local rivers, as defined by the Environment Agency (EA). The underlying London Clay is classified as a Non-Aquifer and Unproductive Stratum, which refers to a soil or rock with low permeability that has a negligible effect on local water supply or river base flow.

The nearest natural surface water feature is over 250 m from the site, whilst Figure 14 of the Arup report indicates that the site is not located within the catchment of the Hampstead Ponds, which are over 500 m northeast and east of the site. The site is not within an area at risk from flooding from rivers or sea, or from surface water flooding, as defined by the EA. Figure 5 of the Arup report also indicates that the site is not in an area with the potential to be at risk from surface water flooding.

The Claygate Member is predominantly cohesive in nature and therefore groundwater flow is likely to be relatively slow, although horizons of sandier soils do occur in this stratum, resulting in the permeability ranging from "very low" to "high". The Claygate Member is only designated as a Secondary Aquifer because it contains such sand horizons, which provide more permeable layers for the storage of groundwater. Where such sand beds are not present, the Claygate Member behaves more hydraulically like the underlying London Clay, which accounts for the variable permeability described above.

Existing and historical spring lines are present at the boundary between the Claygate Member and the overlying Bagshot Formation, whilst less commonly such springs also occur at the boundary between the Claygate Member and the underlying London Clay. These springs have been the source of a number of London's "lost" rivers, notably the Fleet, Westbourne and Tyburn. Reference to Figure 11 of the Arup report indicates that the site is not located within 250 m of any springs or former rivers.

Groundwater is shown to have been encountered during the drilling of the aforementioned BGS boreholes within the Claygate Member at depths of 5.10 m and 6.00 m, corresponding to levels of 101 m OD and 93 m OD respectively. These equate to approximately 3 m and 11 m below the level of the site.

2.6 Preliminary Contamination Risk Assessment

Part IIA of the Environmental Protection Act 1990, which was inserted into that Act by Section 57 of the Environment Act 1995, provides the main regulatory regime for the identification and remediation of contaminated land. The determination of contaminated sites is based on a "suitable for use" approach, which involves managing the risks posed by contaminated land by making risk-based decisions. This risk assessment is carried out on the basis of a source-pathway-receptor approach.

2.6.1 Source

The desk study research has indicated that the site has only been occupied by the existing residential property and is therefore not considered to have had a contaminative history and no potential sources of contamination were noted during the site walkover. The surrounding area has also had a predominantly residential history and as such no potential sources of contamination have been identified off site within the immediate surrounding area.

2.6.2 Receptor

The future users of the residential property will represent relatively high sensitivity receptors. Groundwater within the Secondary 'A' Aquifer of the Claygate Member is considered to be a sensitive receptor, as are neighbouring sites. New buried services are likely to come into contact with any contaminants present within the soils through which they pass and site workers are likely to come into contact with any contaminants present during the construction works.

2.6.3 Pathway

Across the central part of the site, the existing house and surrounding areas of hardstanding will essentially act as a barrier between end users and the underlying soils. Areas of soft landscaping will however remain, mainly across the southeastern half of the site and the western corner, which form a possible pathway by which end users may come into direct contact with the underlying soils. This pathway is however already in existence. Any groundwater within the Claygate Member is considered to be a pathway by which soluble contaminants may migrate off and on to site via groundwater flow and the groundworks and construction period is considered to provide a pathway by which site workers and new buried services may come into contact with the shallow soils.

The London Clay below the Claygate Member is a non-aquifer and therefore forms an Aquiclude and a barrier to contaminants migrating vertically down towards the Principal Chalk Aquifer. Overall there is considered to be a low potential for a significant contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

2.6.4 Preliminary Risk Appraisal

On the basis of the above it is considered that there is a VERY LOW risk of there being a significant contaminant linkage at this site, which would result in a requirement for major remediation work. Furthermore, as there is no evidence of filled ground within the vicinity of the site and no landfill sites, there is not considered to be a significant potential for hazardous soil gas to be present on or migrating towards the site.

3.0 SCREENING

The LBC guidance suggests that any development proposal that includes a subterranean basement should be screened to determine whether or not a full BIA is required.

3.1 Screening Assessment

A number of screening tools are included in the Arup document and for the purposes of this report reference has been made to Appendices E1, E2 and E3 which include a series of questions within screening flowcharts for surface flow and flooding, subterranean (groundwater) flow and land stability. The flowchart questions and responses to these questions are tabulated below.

3.1.1 Subterranean (groundwater) Screening Assessment

Question	Response for 26 Christchurch Hill
1a. Is the site located directly above an aquifer?	*Yes. The Claygate Member is a designated Secondary 'A' Aquifer.*
1b. Will the proposed basement extend beneath the water table surface?	Possibly. Groundwater is encountered within more sandier horizons of the Claygate Member
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	No.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No. As shown by Figure 14 of the Arup Report.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. Although a small area of soft landscaping will lost to the basement development, the overall proportion of the soft landscaping will be maintained by the development.
5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)?	No. Soakaway drainage is not proposed
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	*Yes. A pond is located 300 m to the north of the site within the Vale of Heath, which is at a level of approximately 105 m OD, approximately 10 m above the lowest level of the proposed basement. However, as the pond is 300 m away and also drains in a southeasterly direction, as it marks a spring line to the former River Fleet, it will not have an impact on the site and further consideration or assessment is not considered to be required.*

The above assessment has identified the following potential issues that need to be assessed:

Q1a The site is located directly above the Claygate Member, which is a Secondary 'A' Aquifer.
Q1b There is a possibility that the proposed basement will encounter groundwater.

3.1.2 Stability Screening Assessment

Question	Response for 26 Christchurch Hill
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No. Topographical maps and Figure 16 of the Arup report confirm that the site does not include slopes greater than 7°.
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	No. The development does not involve re-profiling the site.

Question	Response for 26 Christchurch Hill
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	No. Topographical maps and Figure 16 of the Arup report confirm that the site does not border land with slopes greater than 7°.
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	No. Reference to Figure 16 of the Arup report indicates that the site is not in an area where slopes are generally greater than 7˚.
5. Is the London Clay the shallowest strata at the site?	No.
6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained?	Yes. Part of the basement will extend into a tree root protection zone of a lime tree with a TPO in place. However, it is proposed to excavate the basement using a tunnelling technique as to avoid a 1.5 m head of soil above the structure thus protecting the roots and maintaining the current surface water flow and infiltration regime.
7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site?	No, although the Claygate Member can be affected by seasonal shrink and swell as a result of tree growth, there has not been any indication of previous movement taking place at the site.
8. Is the site within 100 m of a watercourse or potential spring line?	No.
9. Is the site within an area of previously worked ground?	No.
10. Is the site within an aquifer?	*Yes a Secondary 'A' Aquifer*
11. Is the site within 50 m of Hampstead Heath ponds?	No. This is confirmed by Figure 14 of the Arup report
12. Is the site within 5 m of a highway or pedestrian right of way?	*Yes. The site is bounded by the footway and road of Well Road to the northwest and Christchurch Hill to the southwest*
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	No. The basement will not share a party wall with the neighbouring properties, which in any case both include single level basements.
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	No.

The above assessment has identified the following potential issues that need to be assessed:

Q6 The proposed basement will extend into a tree protection zone.
Q10 The Claygate Member is a Secondary 'A' Aquifer.
Q12 The site is bound by the public footpath and highway of both Well Road and Christchurch Hill.

3.1.3 Surface Flow and Flooding Screening Assessment

Question	Response for 26 Christchurch Hill
1. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	No. The proposed basement will largely be beneath the footprint of the house, the detached garage and existing external areas of hardstanding. Surface water currently drains to the sewer system in the road, a situation which will remain post construction and therefore the existing drainage regime will remain the same. Part of the basement will also extend into the permeable garden area, although there will be 1.50 m thickness of soil

Question	Response for 26 Christchurch Hill
	between the roof of the basement and the ground surface thus maintaining the infiltration capacity of the soil.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. Although a small area of soft landscaping will lost to the basement development, the overall proportion of the soft landscaping will be maintained by the development.
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	No. The proposed basement will largely be beneath the footprint of the house, the detached garage and existing external areas of hardstanding. Surface water currently drains to the sewer system in the road, a situation which will remain post construction and therefore the existing drainage regime will remain the same. Part of the basement will also extend into the permeable garden area, although there will be 1.50 m thickness of soil between the roof of the basement and the ground surface thus maintaining the infiltration capacity of the soil.
5. Will the proposed basement result in changes to the quantity of surface water being received by adjacent properties or downstream watercourses?	The proposals are very unlikely to result in any changes to the quality of surface water being received by adjacent properties or downstream watercourses as the surface water drainage regime will be unchanged.
6. Is the site in an area known to be at risk from surface water flooding such as South Hampstead, West Hampstead, Gospel Oak and Kings Cross, or is it at risk of flooding because the proposed basement is below the static water level of a nearby surface water feature?	No. The Camden Flood Risk Management Strategy dated 2013, together with Figures 3iii, 4e, 5a and 5b of the SFRA dated 2014, and Environment Agency online flood maps show that the site has a very low flooding risk from surface water, sewers, reservoirs (and other artificial sources), groundwater and fluvial/tidal watercourses. In accordance with paragraph 5.11 of the CPG a positive pumped device will be installed across the basement in order to further protect the site from sewer flooding. The site is not located within a Critical Drainage Area or a Local Flood Risk Zone, as identified in the Camden SWMP and Updated SFRA Figure 6/Rev 2.

The above assessment has not identified any potential issues with regard to surface water flow.

4.0 SCOPING AND SITE INVESTIGATION

The purpose of scoping is to assess in more detail the factors to be investigated in the impact assessment. Potential impacts are assessed for each of the identified potential impact factors.

4.1 Potential Impacts

The following potential impacts have been identified by the BIA screening process.

Potential Impact	Consequence
The site is located directly above an aquifer	The site is underlain by the Claygate Member, which is classified as a Secondary 'A' Aquifer. This has the potential of being able to support local water supplies as well as forming an important source of base flow for local rivers. There is the potential for the hydrogeological setting to be affected by a basement development.
The proposed basement extends beneath the water table surface	It is possible that groundwater will be encountered within the Claygate Member such that the basement excavation may extend below the water table. Should this happen, the basement structure is capable of diverting groundwater flow

Potential Impact	Consequence
	such that groundwater level is affected on both the up slope and down slope side of the basement structure. This in turn has the potential to affect the local hydrogeology and any adjacent structures.
The proposed basement will extend into a tree protection zone	Should the design of the basement not take into consideration the tree root system and greatly alter the surface water regime and infiltration rates, the tree maybe effected and cause damage to tree not permitted by the TPO.
The development is located within 5 m of the public highway	Should the design of retaining walls and foundations not take into account the presence of nearby infrastructure, it may lead to the structural damage of footway, highway and associated buried services.

These potential impacts have been investigated through the site investigation, as detailed below.

4.2 Exploratory Work

In order to meet the objectives described in Section 1.2, a single borehole was drilled to a depth of 15.45 m using a dismantlable cable percussion drilling rig. Standard penetration tests (SPTs) were carried out at regular intervals in the boreholes and disturbed and undisturbed samples were recovered for subsequent laboratory examination and testing. The deep borehole was supplemented with two window sampler boreholes advanced to a depth of 6.00 m in order to provide further coverage of the site and to confirm the shallow ground conditions.

Groundwater monitoring standpipes were installed in tall of the boreholes, to depths of 4.40 m, 6.00 m and 8.00 m and have subsequently been monitored on a two occasions over a one-month period. During the second monitoring visit, a rising head test was carried in the standpipe installed in Borehole No 1 to provide an indication of groundwater inflow rate.

In addition to the boreholes, two trial pits were manually excavated in order to determine the configuration of existing foundations.

The borehole and trial pit records and results of the rising head test and laboratory analyses are appended, together with a site plan indicating the exploratory positions. The Ordnance Datum (OD) levels shown on the exploratory records have been interpolated from spot heights shown on a site plan (reference 0036.P.20.001, dated February 2014), which was provided by Erica Jong Architects.

4.3 Sampling Strategy

The deep borehole was positioned in the western corner of the site, in the area where the proposed basement is to extend below the existing garden area, whilst the window sample boreholes were located to provide additional coverage of the site. In order to determine the groundwater level across the site, groundwater monitoring standpipes were installed in all of the boreholes.

The locations of the trial pits were specified by Price and Myers, the structural engineers, in order to determine the configuration of the existing foundations to the main house and single storey building in the northern corner of the site. All of the exploratory locations were positioned on site by an engineer from GEA as to avoid known buried services.

A number of undisturbed and disturbed samples recovered from the boreholes were submitted to a geotechnical laboratory for a programme of testing that included moisture content and Atterberg limit tests, undrained triaxial compression tests and soluble sulphate and pH level analysis.

Four samples of made ground were subjected to analysis for a range of common industrial contaminants and contamination indicative parameters. For this investigation the analytical suite for the soil included a range of metals, speciation of total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAH), total cyanide and monohydric phenols. The soil samples were selected on the basis of observations made on site, to provide a general view of the chemical conditions of the soils that are likely to be involved in a human exposure and to provide advice in respect of re-use or for waste disposal classification.

The contamination analyses were carried out at an MCERTs accredited laboratory with the majority of the testing suite accredited to MCERTS standards. Details of the MCERTs accreditation and test methods are included in the Appendix together with the analytical results.

5.0 GROUND CONDITIONS

The investigation has generally confirmed the expected ground conditions in that, beneath a generally moderate thickness of made ground, soils interpreted as Head Deposits were encountered and found to be underlain by the Claygate Member of the London Clay.

5.1 Made Ground

Made ground was encountered to depths of between 0.50 m (102.69 m OD) and 1.20 m (103.70 m OD) and generally comprised dark brown locally clayey, sandy silt with roots, rootlets, brick, coal and slate fragments.

With the exception of notable fragments of extraneous material, no visual or olfactory evidence of significant contamination was observed within these soils. Three samples have however been subject to a suite of contamination testing and the results are discussed in Section 5.5.

5.2 Head Deposits

The Head Deposits consisted of soft pale grey and greyish brown mottled orange-brown and yellowish brown silty sandy clay and clayey silt with fine to coarse subrounded to well-rounded gravel and were encountered to depths of between 2.00 m (101.00 m OD) and 3.30 m (101.60 m OD). These soils probably formed from the surface weathering and re-working of the soils of the Claygate Member.

The Head Deposits were found to be free from evidence of contamination and the results of Atterberg Limit tests indicate the clay to be of moderate shrinkability, with plasticity indices of between 14% and 20%.

5.3 Claygate Member

The Claygate Member initially comprised firm brown, dark grey and bluish grey mottled orange-brown locally slightly clayey sandy silt with pockets and lenses of fine sand, pockets of silty clay and fine selenite. This horizon extended to the maximum depth investigated in the window sampler boreholes, of 6.00 m (97.00 m OD), and to 7.50 m (97.40 m OD) in

Borehole No 1, whereupon firm becoming stiff dark grey silty sandy clay with traces of selenite was encountered and proved to the maximum depth investigated, of 15.00 m (89.45 m OD).

No evidence of contamination was noted in the Claygate Member and laboratory testing has indicated the clay to be of moderate to high shrinkability, with plasticity indices of between 15% and 43%. The results of laboratory quick undrained triaxial compression tests indicate the cohesive soils to increase in strength with depth from medium strength and an undrained shear strength of 62 kPa to high strength and an undrained shear strength of 120 kPa.

5.4 Groundwater

Seepage of groundwater was encountered in Borehole No 3 at a depth of 1.00 m (102.19 m OD), whilst slow inflows were recorded in all boreholes at various depths between 4.00 m (100.90 m OD) and 7.00 m (97.90 m OD). Groundwater monitoring standpipes have been installed in each borehole and standing levels of between 2.16 m (101.03 m OD) and 3.40 m (101.50 m OD) were recorded on completion of the drilling. Monitoring of the standpipes has been carried out on three occasions over a one-month period at the end of 2015 and subsequently in September this year; the results are shown in the table below.

Date	Borehole No	Depth to water (m) [Level (m OD)]
15/10/15	1	3.43 [101.47]
	2	2.57 [100.43]
	3	2.10 [101.09]
19/11/15	1	3.33 [101.57]
	2	2.43 [100.57]
	3	1.96 [101.23]
28/09/16	1	Not accessible
	2	2.43 [100.57]
	3	1.92 [101.20]

The measured groundwater levels indicate that groundwater flow is in a southeasterly direction, which would be in keeping with the general topography. However, there is also a significant variation in the groundwater levels measured within the standpipes, which are also higher than the depths at which groundwater was first encountered during the drilling. This potentially suggests that water encountered is subject to slight subartesian water pressures, which is not uncommon with groundwater encountered within the Claygate Member as water tends to be present and confined to more permeable horizons, which are not necessarily consistent throughout the formation.

In order to provide an indication of the rate of any groundwater inflows, a rising head test was carried out in the Borehole No 1. The head of water was reduced by 1.20 m using a water bailer, which recovered over a period of one hour, with an inflow rate of 1.1×10^{-5} m/s recorded.

5.5 Soil Contamination

The table below sets out the values measured within three samples of made ground analysed;

all concentrations are in mg/kg unless otherwise stated.

Determinant	BH2 – 0.3 m (mg/kg)	BH3 – 0.3 m (mg/kg)	TP2 – 0.3 m (mg/kg)
pH	7.2	7.2	6.6
Arsenic	29	24	23
Cadmium	0.27	0.19	0.32
Chromium	31	31	31
Copper	63	90	69
Mercury	1.6	0.76	0.87
Nickle	19	18	20
Lead	**630**	**370**	**680**
Selenium	0.3	0.21	0.44
Zinc	230	120	290
Total Cyanide	<0.50	<0.50	<0.50
Total Phenols	<0.30	<0.30	<0.30
Sulphide	1.1	1.1	1.1
Total TPH	<10	<10	49
Naphthalene	< 0.10	< 0.10	< 0.10
Benzo(a)pyrene	1.10	< 0.10	0.71
Total PAH	14	< 2.0	8.3
Total organic carbon %	2.7	3.1	3.5
Note: Figure in **bold** indicates concentration in excess of risk-based soil guideline values, as discussed below			

The contamination testing has indicated elevated concentrations of lead in the three samples of made ground tested. No concentrations of the other contaminants were found to be elevated when compared to their respective generic guideline value.

5.5.1 Generic Quantitative Risk Assessment

The use of a risk-based approach has been adopted to provide an initial screening of the test results to assess the need for subsequent site-specific risk assessments. To this end the table below indicates those contaminants of concern that have values in excess of a generic human health risk based guideline values which are either that of the CLEA[4] Soil Guideline Value where available, or is a Generic Screening Value calculated using the CLEA UK Version 1.06[5] software assuming a residential with plant uptake end use, or is based on the DEFRA Category 4 Screening values[6]. The key generic assumptions for this end use are as follows:

- that groundwater will not be a critical risk receptor;

[4] *Updated Technical Background to the CLEA Model (Science Report SC050021/SR3) Jan 2009* and Soil Guideline Value reports for specific contaminants; all DEFRA and Environment Agency.
[5] Contaminated Land Exposure Assessment (CL|EA) Software Version 1.06 Environment Agency 2009
[6] CL:AIRE (2013) *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination* Final Project Report SP1010 and DEFRA (2014) *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination* Policy Companion Document SP1010

- that the critical receptor for human health will be young female children aged zero to six years old;
- that the exposure duration will be six years;
- that the critical exposure pathways will be direct soil and indoor dust ingestion, consumption of homegrown produce, consumption of soil adhering to homegrown produce, skin contact with soils and indoor dust, and inhalation of indoor and outdoor dust and vapours; and
- that the building type equates to a two-storey small terraced house.

It is considered that these assumptions are acceptable for this generic assessment of this site. The tables of generic screening values derived by GEA and an explanation of how each value has been derived are included in the Appendix.

Where contaminant concentrations are measured at concentrations below the generic screening value it is considered that they pose an acceptable level of risk and thus further consideration of these contaminant concentrations is not required. However, where concentrations are measured in excess of these generic screening values there is considered to be a potential that they could pose an unacceptable risk and thus further action will be required which could include;

- additional testing to zone the extent of the contaminated material and thus reduce the uncertainty with regard to its potential risk;
- site specific risk assessment to refine the assessment criteria and allow an assessment to be made as to whether the concentration present would pose an unacceptable risk at this site; or
- soil remediation or risk management to mitigate the risk posed by the contaminant to a degree that it poses an acceptable risk.

The significance of the contamination results is considered further in Part 2 of the report.

5.6 Existing Foundations

The findings of the trial pits are summarised in the table below and sketches and photographs of each pit are included in the Appendix.

Trial Pit No	Structure	Foundation detail	Bearing Stratum
1	Southwestern elevation	Concrete strip Top 700mm below ground level (bgl) Base not proved Lateral projection 300 mm	Not proved due to the presence of a manhole
2	Southwestern elevation of single storey outbuilding	Concrete strip Top 0.90 m bgl (103.94 m OD) Base 1.10 m bgl (103.74 m OD) Lateral projection 120 mm	MADE GROUND

Part 2: DESIGN BASIS REPORT

This section of the report provides an interpretation of the findings detailed in Part 1, in the form of a ground model, and then provides advice and recommendations with respect to foundation options and contamination issues.

6.0 INTRODUCTION

It is understood that it is proposed to extend the existing house, which will include the excavation and construction of a single level basement below the northwestern half of the house, extending out beneath the northwestern part of the garden and the single storey outbuilding, which will be converted to a single level garage at ground floor level. In order to safeguard a tree root protection zone, part of the basement will be constructed using a tunnelling technique in order maintain an approximately 1.60 m to 1.80 m thickness of soil above the structure. As a results of this and the varying levels of the site, the founding level of the basement will be between approximately 3.30 m and 5.50 m below ground level, as shown on the proposed cross-section below.

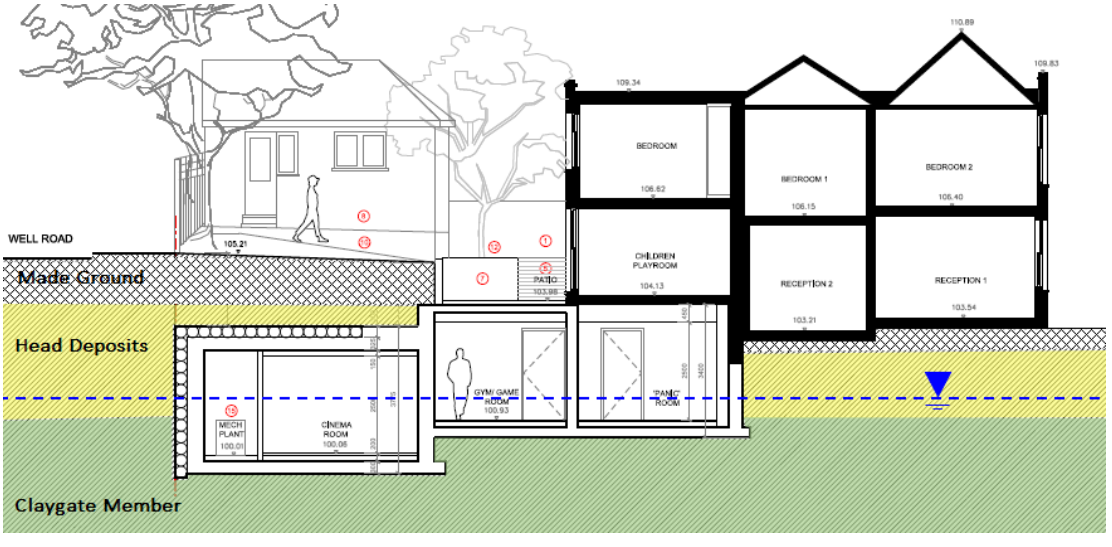
7.0 GROUND MODEL

The site is not considered to have had a contaminative history as it has been occupied by the existing residential property throughout its developed history. On the basis of the intrusive investigations, the ground conditions at this site can be characterised as follows:

- below a generally moderate thickness of made ground and an initial thickness of Head Deposits, the Claygate Member is present;
- made ground extends to depths of between 0.50 m (102.69 m OD) and 1.20 m (103.70 m OD);
- the Head Deposits consist of soft pale grey and greyish brown mottled orange-brown and yellowish brown silty sandy clay and clayey silt with fine to coarse subrounded to well-rounded gravel extend to depths of between 2.00 m (101.00 m OD) and 3.30 m (101.60 m OD);
- the Claygate Member initially comprises firm brown, dark grey and bluish grey mottled orange-brown locally slightly clayey sandy silt with pockets and lenses of fine sand with pockets of silty clay;
- the initial horizon is underlain by stiff dark grey silty sandy clay with traces of selenite to the maximum depth investigated, of 15.00 m (89.45 m OD)
- groundwater monitoring indicated groundwater at levels of between 101.47 m OD and 100.62 m OD; and
- the made ground has been found to contain elevated concentrations of lead.

8.0 ADVICE AND RECOMMENDATIONS

Formation level for the proposed basement will be at 100.43 m OD and 99.56 m OD and will therefore be within the Claygate Member, as shown by the cross-section below.



Groundwater is at a level of around 101.40 m OD and so will be encountered within the excavation. Excavations for the proposed basement structure will require temporary support to maintain stability and prevent any excessive ground movements and the existing foundations will need to be underpinned prior to construction of the proposed basement or will need to be supported by new retaining walls.

8.1 Basement Excavation

On the basis of the groundwater observations and monitoring carried out to date, groundwater inflows are likely to be encountered in the excavation. As indicated by the rising head test carried out during the investigation, such inflows may be moderate in nature and it should also be noted that the levels measured in the standpipes are higher than at which groundwater was first encountered during the drilling, which may indicate slight subartesian pressures, where water is confined to more permeable sand and silt horizons within the clay of the Claygate Member. However, it is not truly possible to draw meaningful conclusions from the measurements made in the standpipes, as the level of the water table is not as significant as the volume of water that may flow into the excavation. For example, a high level of water measured in a standpipe may not be significant if this represents only a small volume of water, which can particularly be the case within the Claygate Member given the variability in permeability that can occur. The rising head test carried out indicated an inflow rate of 1.1 x 10^{-5} m/s, but the extent to which the excavation will be affected by groundwater will to a large extent be governed by the presence of more permeable horizons. It would therefore be prudent to carry out a number of trial excavations, to depths as close to the full basement depth as possible, in order to provide clearer indication of the groundwater conditions. It is also recommended that groundwater monitoring is continued.

There are a number of methods by which the sides of the excavation could be supported in the temporary and permanent conditions. The choice of wall may be governed to a large extent by whether it is to be incorporated into the permanent works and have a load bearing function. The final choice will depend largely on the need to protect nearby structures from movements, the required overall stiffness of the support system, and the need to control groundwater movement through the wall in the temporary condition. In this respect the stability of the existing buildings and the neighbouring property to the northeast will be paramount.

It is likely that most appropriate method of constructing the retaining walls will be the combination of localised conventional concrete underpinning of the existing foundations coupled with some form of bored pile wall. The use of underpinning will require the soils being underpinned to stand unsupported and difficulties may be encountered with unsupported excavations in the made ground and in more sandier horizons of the natural soils, particularly where groundwater is encountered. As discussed above, trial excavations and continued groundwater monitoring will need to be carried out and the chosen contractor will need to have a suitable contingency in place to deal with significant inflows. Careful workmanship will be required in the construction of the underpins and it is recommended that a suitable specialist contractor is consulted in this respect.

Where the basement extends out beneath the garden, consideration may be given to the use of a bored pile wall. It may be that once further assessment on the level of groundwater control required has been determined, that a contiguous bored piled wall will be suitable, with localised grouting between piles to prevent groundwater inflows. Alternatively, consideration could be given to the use of a secant bored pile wall, which could overcome the requirement for secondary groundwater control.

As indicated within the Price and Myers structural report (ref: 24496, dated October 2016) part of the basement below the garden will be constructed using a tunnelling method that utilises pipe jacking techniques. This work will need to be carried out by a suitably qualified specialist contractor.

The ground movements associated with the excavation will depend on the method of excavation and support and the overall stiffness of the basement structure in the temporary condition. Thus, a suitable amount of propping will be required to provide the necessary rigidity and the timing of the provision of support to the wall will have an important effect on movements. The stability of the existing foundations will need to be ensured at all times and the retaining walls will need to be designed to support the loads from these foundations unless they are underpinned. An analysis of potential ground movements associated with the basement excavation has been carried out and the results discussed within Part 3 of this report.

8.1.1 Retaining Walls

The following parameters are suggested for the design of the permanent basement retaining walls.

Stratum	Bulk Density (kg/m^3)	Effective Cohesion ($c' - kN/m^2$)	Effective Friction Angle (Φ' – degrees)
Made ground	1700	Zero	27
Claygate Member	1900	Zero	25

Groundwater inflows are unlikely to be encountered within the excavation, although monitoring of the standpipe should be continued in order to establish equilibrium levels. At this stage, based on the groundwater monitoring carried out to date, it is recommended that for the design of the retaining walls, the groundwater level should be assumed to be ¾ of the retained height. The advice in BS8102:2009[7] should be followed in the design of the basement retaining walls and with regard to waterproofing requirements.

8.1.2 Heave

The proposed development will require a maximum excavation depth of approximately 3.00 m, which will result in a net unloading of around 60 kN/m^2. The unloading will result in heave of the underlying clay soils, although these movements will to some extent be counteracted by the applied loads from the new structures. Further consideration is given to heave movements in Part 3 of this report.

8.2 Spread Foundations

It should be possible to adopt spread foundations excavated from basement level. Moderate width spread foundations bearing below basement level, may be designed to apply a net allowable bearing pressure of approximately about 130 kN/m^2. This bearing pressure incorporates an adequate factor of safety to ensure that settlement remains within normal tolerable limits.

8.3 Piled Foundations

For the ground conditions at this site some form of bored pile is likely to be the most appropriate type. A conventional rotary augered pile may be appropriate, with temporary casing installed to maintain stability and prevent groundwater inflows, or alternatively the use of bored piles installed using continuous flight auger (cfa) techniques, which would not

7 BS8102 (2009) *Code of practice for protection of below ground structures against water from the ground*

require the provision of casing, would also be an appropriate choice of pile.

The following table of ultimate coefficients may be used for the preliminary design of bored piles, based on the SPT & Cohesion / level graph in the appendix.

Stratum	Level m OD	kN / m^2
Ultimate Skin Friction		
Made Ground and Head Deposits	All soil above 99.54	Ignore (Basement excavation)
Claygate Member (clay - α=0.6)	99.54 to 89.45	Increasing linearly from 40 to 80
Ultimate End Bearing		
Claygate Member	92.54 to 89.45	Increasing linearly from 990 to 1170

In the absence of pile tests, it is recommended that a factor of safety of 3 should be applied to the above coefficients in the computation of safe theoretical working loads. On the basis of the above coefficients, the following pile capacities have been estimated.

Pile diameter mm	Pile length (m) [toe level (m OD)]	Safe Working Load kN
300	7 [92.45]	140
	10 [89.45]	215
450	7 [92.45]	220
	10 [89.45]	340

The above examples are not intended to constitute any form of recommendation with regard to pile size or type, but merely serve to illustrate the use of the above coefficients. Specialist piling contractors should be consulted with regard to the design of an appropriate piling scheme and their attention should be drawn to potential groundwater inflows within the made ground and silt and sand horizons within the Claygate Member.

8.4 Effect of Sulphates

Generally moderate concentrations of total sulphate have been measured in samples of the made ground and therefore indicate that buried concrete should be designed in accordance with Class DS-2 conditions of Table C2 of BRE Special Digest 1: SD1 Third Edition (2005). The measured pH conditions are mildly alkaline and therefore on the basis of mobile groundwater conditions being assumed for buried concrete an ACEC classification of AC-2s may be adopted. The guidelines contained in the above digest should be followed in the design of foundation concrete.

8.5 Basement Floor Slab

Following the excavation of the basement, it is likely that the floor slab for the proposed basement will need to be suspended over a void or layer of compressible material to accommodate the anticipated heave and any potential uplift forces from groundwater

pressures unless the slab can be suitably reinforced to cope with these movements. This should be reviewed once the levels and loads have been finalised.

8.6 Site Specific Risk Assessment

The desk study research has indicated that the site does not have a contaminative history in that it has only ever been occupied by the existing house.

The chemical analyses have highlighted the presence of elevated concentrations of lead in the samples of made ground tested, whilst other contaminants were all found to be present in generally low concentrations. No visual or olfactory evidence of significant contamination was noted within both the made ground and natural soils, although the made ground was noted as containing variable inclusions of extraneous material, which is likely to be the source of the metallic contamination.

The proposed development includes the lowering and the extension of the existing lower ground floor below the existing footprint and whilst this and the surrounding areas of hardstanding will form a barrier between end users and the underlying soil, a pathway still exists in the areas of soft landscaping across the garden. It is understood that these areas will remain as existing; however, should the modification or introduction of any soft landscaping take place, then it is recommended that this report is reviewed and additional testing carried out if deemed necessary.

As with any development site, a watching brief should be maintained during the ground work and if any suspicious soil is identified then an inspection should be made by a suitably qualified engineer and further testing carried out if required.

8.7 Waste Disposal

Under the European Waste Directive, waste is classified as being either Hazardous or Non-Hazardous and landfills receiving waste are classified as accepting hazardous or non-hazardous wastes or the non-hazardous sub-category of inert waste in accordance with the Waste Directive. Waste classification is a staged process and this investigation represents the preliminary sampling exercise of that process. Once the extent and location of the waste that is to be removed has been defined, further sampling and testing may be necessary. The results from this ground investigation should be used to help define the sampling plan for such further testing, which could include WAC leaching tests where the totals analysis indicates the soil to be a hazardous waste or inert waste from a contaminated site. It should however be noted that the Environment Agency guidance WM3[8] states that landfill WAC analysis, specifically leaching test results, must not be used for waste classification purposes.

Any spoil arising from excavations or landscaping works, which is not to be re-used in accordance with the CL:AIRE[9] guidance, will need to be disposed of to a licensed tip. Waste going to landfill is subject to landfill tax at either the standard rate of £ £84.40 per tonne (about £150 per m^3) or at the lower rate of £2.65 per tonne (roughly £5 per m^3). However, the classifications for tax purposes and disposal purposes differ and currently all made ground and topsoil is taxable at the ‘standard’ rate and only naturally occurring soil and stones, which are accurately described as such in terms of the 2011 Order, would qualify for the ‘lower rate’ of landfill tax.

8 Environment Agency 2015. *Guidance on the classification and assessment of waste.* Technical Guidance WM3 First Edition
9 CL:AIRE March 2011. *The Definition of Waste: Development Industry Code of Practice* Version 2

Based upon on the technical guidance provided by the Environment Agency it is considered likely that the soils encountered during this ground investigation, as represented by the three chemical analyses carried out, would be generally classified as follows;

Soil Type	Waste Classification (Waste Code)	WAC Testing Required Prior to Landfill Disposal?	Comments
Made ground	Non-hazardous (17 05 04)	No	-
Claygate Member	Inert (17 05 04)	Should not be required but confirm with receiving landfill	-

Under the requirements of the European Waste Directive all waste needs to be pre-treated prior to disposal. The pre-treatment process must be physical, thermal, chemical or biological, including sorting. It must change the characteristics of the waste in order to reduce its volume, hazardous nature, facilitate handling or enhance recovery. The waste producer can carry out the treatment but they will need to provide documentation to prove that this has been carried out. Alternatively, the treatment can be carried out by an approved contractor. The Environment Agency has issued a position paper[10] which states that in certain circumstances, segregation at source may be considered as pre-treatment and thus excavated material may not have to be treated prior to landfilling if the soils can be segregated onsite prior to excavation by sufficiently characterising the soils insitu prior to excavation.

The above opinion with regard to the classification of the excavated soils is provided for guidance only and should be confirmed by the receiving landfill once the soils to be discarded have been identified.

The local waste regulation department of the Environment Agency (EA) should be contacted to obtain details of tips that are licensed to accept the soil represented by the test results. The tips will be able to provide costs for disposing of this material but may require further testing.

9.0 BASEMENT IMPACT ASSESSMENT

The screening identified a number of potential impacts. The desk study and ground investigation information has been used below to review the potential impacts, to assess the likelihood of them occurring and the scope for reasonable engineering mitigation.

The table below summarises the previously identified potential impacts and the additional information that is now available from the site investigation in consideration of each impact.

Potential Impact	Site Investigation Conclusions
The site is located directly above an aquifer	The investigation has indicated that the site is underlain by the Claygate Member, which is classified as a Secondary 'A' Aquifer. However, the soil predominantly comprises a silty sandy clay and therefore behaves more hydraulically like the underlying London Clay. Groundwater has been encountered below the site, although is not considered to form continuous groundwater table, as discussed further below.
The proposed basement extends beneath the water table surface	Groundwater has been encountered in the Claygate Member at various depths of between 4.00 m (100.90 m OD) and 7.00 m (97.90 m OD), with standing water levels measured in the standpipes at depths of between 1.92 m and 3.43 m,

10 Environment Agency 23 Oct 2007 *Regulatory Position Statement Treating non-hazardous waste for landfill - Enforcing the new requirement*

	levels of between 100.43 m OD and 101.57 m OD. It is therefore evident that a continuous groundwater table is not present below the site, but rather groundwater is present in more sandy and therefore permeable horizons within the Claygate Member that are unlikely to be connected. Although groundwater will be encountered in the basement excavation, given the relatively open space between the site and the neighbouring properties and given the small number of properties with basement levels, it is therefore considered that the proposed development will not have an effect on the hydrogeological setting.
The proposed development will extend within a tree protection zone of a tree to be retained	There will not be an increase or decrease in surface water run-off into the area below the tree canopy and there will not be a material change in the drainage routes in that surface water will still be drained to combined sewers. The proposed basement extending into the protection zone will maintain a 1.50 m thickness of soil above, and will therefore not have an impact to the hydrology and is unlikely to affect the tree.
The development is located within 5 m of the public highway	The investigation has not indicated any specific problems, such as weak or unstable ground, voids or a high water table that would make working within 5 m of public infrastructure particularly problematic at this site.

The results of the site investigation have therefore been used below to review the remaining potential impacts, to assess the likelihood of them occurring and the scope for reasonable engineering mitigation.

The site is underlain by a Secondary 'A' Aquifer

The investigation has indicated that the site is underlain by the Claygate Member, which is classified as a Secondary 'A' Aquifer. However, the soil predominantly comprises a silty sandy clay and therefore behaves more hydraulically like the underlying London Clay. Groundwater has been encountered below the site, although is not considered to form continuous groundwater table.

Groundwater has been encountered in the Claygate Member at various depths of between 4.00 m (100.90 m OD) and 7.00 m (97.90 m OD), with standing water levels measured in the standpipes at depths of between 1.92 m and 3.43 m, levels of between 100.43 m OD and 101.57 m OD. It is therefore evident that a continuous groundwater table is not present below the site, but rather groundwater is present in more sandy, and therefore permeable horizons, within the Claygate Member that are unlikely to be connected.

Although groundwater will be encountered in the basement excavation, given the relatively open space between the site and the neighbouring properties and given the small number of properties with basement levels, there is considered to be sufficient space for groundwater to flow around the basement structure and not have a significant impact on the groundwater level on the upstream side of the basement. In any case, it is proposed to incorporate sufficient drainage as part of the retaining wall design, which will allow groundwater to drain freely around the retaining walls and therefore it is considered that the proposed development will not have an effect on the hydrogeological setting.

The proposed development will extend within a tree protection zone of a tree to be retained

As the proportion of hardstanding and soft landscaping will remain essentially the same, there is not going to be an increase or decrease in surface water run-off into the area below the tree canopy and there will not be a material change in the drainage routes. In addition, as the

proposed basement extending into the tree protection zone will maintain a 1.50 m thickness of soil above, it is not considered that it will not have an impact to the hydrology of the site. Furthermore, although the proposed basement will extend below the water table, as it covers a relatively small footprint as a proportion of the site as whole, and as there will be space either side of the structure, it will not form a cut-off to groundwater, as water will be able to flow around the basement. This will therefore not cause a significant increase in the groundwater table on the upstream side and therefore the area of the tree will not be effected.

The site is located within 5 m of a public highway

Whilst the proposed basement will be excavated within 5 m of the footway and highway of Well Road, there is nothing unusual about the proposed basement that falls outside the scope of standard engineering practice and design. Provided that the design of the retaining walls takes into account any loading from the adjacent highway and the construction work is carried out in accordance with best practice, resulting ground movements should be within normal tolerable limits. This is considered further in Part 3 of this report.

9.1 Non-Technical Summary of Evidence

This section provides a short summary of the evidence acquired and used to form the conclusions made within the BIA.

9.1.1 Screening

The following table provides the evidence used to answer the surface water flow and flooding screening questions.

Question	Evidence
1. Is the site within the catchment of the pond chains on Hampstead Heath?	Topographical maps acquired as part of the desk study and Figures 12 and 14 of the Arup report
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	A site walkover and existing plans of the site have confirmed the proportions of hardstanding and soft landscaping, which have been compared to the proposed drawings to determine the changes in the proportions.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	As above.
5. Will the proposed basement result in changes to the quantity of surface water being received by adjacent properties or downstream watercourses?	
6. Is the site in an area known to be at risk from surface water flooding such as South Hampstead, West Hampstead, Gospel Oak and Kings Cross, or is it at risk of flooding because the proposed basement is below the static water level of a nearby surface water feature?	Flood risk maps acquired from the Environment Agency as part of the desk study, Figure 15 of the Arup report, the Camden Flood Risk Management Strategy dated 2013 and the North London Strategic Flood Risk Assessment dated 2008.

The following table provides the evidence used to answer the subterranean (groundwater flow) screening questions.

Question	Evidence
1a. Is the site located directly above an aquifer?	Aquifer designation maps acquired from the Environment Agency as part of the desk study and Figures 3, 5 and 8 of the Arup report.
1b. Will the proposed basement extend beneath the water table surface?	Previous nearby GEA investigations and BGS archive borehole records.
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	Topographical maps acquired as part of the desk study and Figures 12 and 14 of the Arup report
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	A site walkover and existing plans of the site have confirmed the proportions of hardstanding and soft landscaping, which have been compared to the proposed drawings to determine the changes in the proportions.
5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)?	The details of the proposed development do not indicate the use soakaway drainage.
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report.

The following table provides the evidence used to answer the subterranean (groundwater flow) screening questions.

Question	Evidence
1. Does the existing site include slopes, natural or manmade, greater than 7°?	Topographical maps and Figures 16 and 17 of the Arup report and confirmed during a site walkover
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	The details of the proposed development provided do not include the re-profiling of the site to create new slopes
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	Topographical maps and Figures 16 and 17 of the Arup report and confirmed during a site walkover
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	
5. Is the London Clay the shallowest strata at the site?	Geological maps and Figures 3, 5 and 8 of the Arup report
6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained?	A site walkover confirmed that there are trees on site with the project architects indicating that a lime tree is subject to a TPO. Measures for tree protection are set out in the Arboricultural Method Statement.
7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site?	Knowledge on the ground conditions of the area were used to make an assessment of this, in addition to a visual inspection of the buildings carried out during the site walkover
8. Is the site within 100 m of a watercourse or potential spring line?	Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report
9. Is the site within an area of previously worked ground?	Geological maps and Figures 3, 5 and 8 of the Arup report
10. Is the site within an aquifer?	Aquifer designation maps acquired from the Environment Agency as part of the desk study and Figures 3, 5 and 8 of the Arup report.
11. Is the site within 50 m of Hampstead Heath ponds?	Topographical maps acquired as part of the desk study and Figures 12 and 14 of the Arup report.

Question	Evidence
12. Is the site within 5 m of a highway or pedestrian right of way?	Aerial photography, site plans and the site walkover.
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Records of basements being present below neighbouring properties and the site walkover confirmed the position of the proposed basement relative the neighbouring properties.
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	Maps and plans of infrastructure tunnels were reviewed, in addition to online infrastructure maps, showing exclusions zones, made available by Transport for London, as shown in Section 2.3 of this report.

9.1.2 Scoping and Site Investigation

The questions in the screening stage that there were answered 'yes', were taken forward to a scoping stage and the potential impacts discussed in Section 4.0 of this report, with reference to the possible impacts outlined in the Arup report.

A ground investigation was carried out, which has allowed an assessment of the potential impacts of the basement development on the various receptors identified from the screening and scoping stages. Principally the investigation aimed to establish the ground conditions, including the groundwater level, the engineering properties of the underlying soils to enable suitable design of the basement development and the configuration of existing party wall foundations. The findings of the investigation are discussed in Section 5.0 of this report and summarized in both Section 7.0 and the Executive Summary.

9.1.3 Impact Assessment

Section 9.0 of this report summarises whether or not, on the basis of the findings of the investigation, the potential impacts still need to be given consideration and identifies ongoing risks that will require suitable engineering mitigation. Section 8.0 of this report also provides recommendations for the design of the proposed development, whilst Part 3 provides the outcomes of a ground movement analysis, building damage assessment and slope stability analysis, which has also been used to provide a conclusion on any potential impacts from the proposed basement development.

Part 3: GROUND MOVEMENT ANALYSIS

This section of the report comprises an analysis of the ground movements arising from the proposed basement and foundation scheme discussed in Part 2 and the information obtained from the investigation, presented in Part 1 of the report.

10.0 INTRODUCTION

The sides of an excavation will move to some extent regardless of how they are supported. The movement will typically be both horizontal and vertical and will be influenced by the engineering properties of the ground, groundwater level and flow, and the efficiency or stiffness of any support structures used.

An analysis has been carried out of the likely movements arising from the proposed excavation and the results of this analysis have been used to predict the effect of these movements on surrounding structures.

10.1 Construction Sequence

The following sequence of operations has been taken from drawings SK06 to SK08, all dated February 2016, issued by Price and Myers. It has been used to enable analysis of the ground movements around the excavation both during and after construction.

In general, the sequence of works for excavation and construction will comprise the following stages.

1. Construction of tunnel section under existing garden and tree protection zone in the following sequence:

    a) form a jacking pit with temporary propping
    b) install hydraulic ram
    c) carry out pipe jacking exercise installing horizontal steel tubes and reinforced concrete forming roof structure and side walls
    d) excavate basement level installing vertical props at regular intervals
    e) install reinforced concrete end wall and cast slab.

2. Carry out underpinning of existing foundations.

3. Install secant bored pile wall for sections extending below garden and along boundary with Well Road.

3. Reduced dig and install blocks and props.

5. Ground slab cast with starter bars for permanent retaining walls.

6. Permanent concrete retaining walls formed and cast, top slab formed and cast and props removed once the concrete is at a sufficient strength.

The underpins should be adequately laterally propped and sufficiently dowelled together, with the concrete cast and adequately cured prior to excavation of the basement and removal of the formwork and supports.

The detail of the support provided to adjacent walls is beyond the scope of this report at this stage and the structural engineer will be best placed to agree a methodology with the underpinning contractors once appointed.

10.0 GROUND MOVEMENTS

An assessment of ground movements within and surrounding the excavation has been undertaken using the X-Disp and P-Disp computer programs licensed from the OASYS suite of geotechnical modelling software from Arup. These programs are commonly used within the ground engineering industry and are considered to be appropriate tools for this analysis.

The X-Disp program has been used to predict ground movements likely to arise from the construction of the proposed basement. This includes the settlement of the ground (vertical movement) and the lateral movement of soil behind the proposed retaining walls (horizontal movement).

The analysis of potential ground movements within the excavation, as a result of unloading of the underlying soils, has been carried out using the Oasys P-Disp Version 19.3 – Build 12 software package and is based on the assumption that the soils behave elastically, which provides a reasonable approximation to soil behaviour at small strains.

For the purpose of these analyses, the corners have been defined by x and y coordinates, with the x-direction parallel with the orientation northeast-southwest, whilst the y-direction is parallel with the orientation of northwest-southeast. Vertical movement is in the z-direction.

The full outputs of all the analyses can be provided on request but samples of the output movement contour plots are included within the appendix.

10.1 Ground Movements Surrounding the Basement

For the X-Disp analysis, the soil movement relationships used for the embedded retaining walls are the default values within CIRIA report C580[11], which were derived from a number of historic case studies.

The ground movement curves for ‘excavations in front of high stiffness wall in clay’ have been adopted as being considered most appropriate for the proposed excavation and its support at this site.

The ground movement curves for ‘installation of a planar diaphragm wall in stiff clay’ have been adopted as being considered most appropriate for the proposed underpin phase at this site, whilst the ground movement curves for ‘installation of secant bored pile wall in stiff clay’ have been adopted for the proposed secant bored pile wall sections.

Given the tunnel technique adopted for the portion of the proposed basement beneath the existing garden area, horizontal and lateral movements are likely to be negligible. However, this section of the proposed basement has been modelled using the ground movement curves for ‘installation of planar diaphragm wall in stiff clay’, in order to model a worst-case scenario.

11 Gaba, A, Simpson, B, Powrie, W and Beadman, D (2003) *Embedded retaining walls – guidance for economic design* .CIRIA Report C580.

Due to the complex nature of the excavation and limitations of the software, the analysis was split into two models. One model assessed the underpinned section of the basement below the existing house (excavations 1 and 2), whilst the other modelled the excavation below the existing single storey studio building and the tunnel structure below the existing garden (excavations 3 and 4).

The depths of the basement levels have been provided by the project architects on cross-sectional drawings (ref 0036.P.00.0006_B and 0036.P.20.103_B to 105_B, all dated October 2016). The embedment depth of the secant bored piles has been given as 6 m below basement level.

The adjacent No 5 Well Road is at a level of approximately 105 m OD, although planning records indicate that it includes a partial single level basement below the rear half of the building. The planning drawings indicate that the basement extends to 2.5 m below ground level and so the foundations below the basement level have been assumed to be bearing at 3.00 m below ground level. No 5 well Road is the only property considered to be within the zone of influence of the proposed basement.

10.1.2 Results

The results are presented to the degree of accuracy required to allow predicted variations in ground movements around the structure(s) to be illustrated, but may not reflect the anticipated accuracy of the predictions.

The predicted movements are based on the worst case of the individually analysed segments of ‘hogging’ and ‘sagging’ and are summarised in the table below.

Phase of Works	Wall Movement (mm)	
	Vertical Settlement	Horizontal Movement
Combined underpin and contiguous bored pile wall installation	<5	<5
Combined movements for Excavations 1 and 2	3-8	5-10
Combined movements for Excavations 3 and 4	4-9	7-13

The analysis has indicated that the maximum vertical and horizontal settlements that will result from underpin and contiguous piled wall installation are less than 5 mm. The movements arising from the combined underpin / contiguous piled wall and excavation are therefore not likely to exceed 10 mm vertical settlement, whilst the maximum horizontal movements are also anticipated to be less than 15 mm.

The movements set out in the table above are the maximum movements and generally occur immediately or just outside the line of the piled wall; the effects of the excavation reduce with distance away from the piled wall. For example, combined movements of less than 6 mm occur at foundation level below No 5 Well Road at a distance of 5 m from the excavation.

Because the proposed basement has been modelled as four separate excavations, movements where the individual excavations intersect are exaggerated and this is particularly the case at the interactions between the secant bored pile wall and underpinning. In addition, the general movements resulting from the excavation are likely to be somewhat less, as they will be minimised due to control of the propping in the temporary works and a regime of monitoring.

10.2 Ground Movements within the Excavation (Heave)

Unloading of the London Clay will take place as a result of the excavation of the proposed lower ground floor extension. The reduction in vertical stress will cause heave to take place. Undrained soil parameters have been used to estimate the potential short term movements, which include the "immediate" or elastic movements as a result of the existing building and basement excavation. Drained parameters have been used to provide an estimate of the total long-term movement.

The elastic analysis requires values of soil stiffness at various levels to calculate displacements. Values of stiffness for the soils at this site are readily available from published data and we have used a well-established method to provide our estimates. This relates values of E_u and E', the undrained and drained stiffness respectively, to values of undrained cohesion, as described by Padfield and Sharrock[12] and Butler[13] and more recently by O'Brien and Sharp[14]. Relationships of $E_u = 500\ C_u$ and $E' = 300\ C_u$ for the cohesive soils and 2000 x SPT 'N' for granular soils have been used to obtain values of Young's modulus. More recent published data[15] indicates stiffness values of 750 x Cu for the London Clay and a ratio of E' to Cu of 0.75, but it is considered that the use of the more conservative values provides a sensible approach for this stage in the design.

The excavation of a 3.0 m thickness of soil across the majority of the proposed extension will result in a net unloading of roughly 60 kN/m, assuming a unit weight of 20 kN/m^3 for the underlying soils.

The soil parameters used in this analysis are tabulated below.

Stratum	Depth Range (m)	Eu (MPa)	E'(MPa)
Made Ground	LG – 1.0	22	13
Head Deposits	1.0 – 3.0	25	15
Claygate Member	3.0 – 5.0	29.5	17.5
Claygate Member	5.0 – 8.0	36.5	22
Claygate Member	8.0 – 11.0	45	27
Claygate Member	11.0 – 16.0	58	34.5
Claygate Member	16.0 – 21.0	70	42
London Clay	21.0 – 60.0	115	69

A rigid boundary for the analysis has been set at a depth of 60.0 m below the proposed excavation, within the London Clay. Below this depth the clay is considered to be essentially incompressible.

The P-Disp analysis indicates that the elastic heave resulting from the excavation of the proposed basement will be up to 9 mm within the centre the excavation and reducing to between 3 mm and 5 mm toward the edges. These movements would be expected to be complete by the end of the excavation and construction period. Taking into account the loads

[12] Padfield CJ and Sharrock MJ (1983) *Settlement of structures on clay soils*. CIRIA Special Publication 27
[13] Butler FG (1974) *Heavily overconsolidated clays: a state of the art review*. Proc Conf Settlement of Structures, Cambridge, 531-578, Pentech Press, Lond
[14] O'Brien AS and Sharp P (2001) *Settlement and heave of overconsolidated clays - a simplified non-linear method.* Part Two, Ground Engineering, Nov 2001, 48-53
[15] Burland JB, Standing, JR, and Jardine, FM (2001) Building response to tunnelling, case studies from construction of the Jubilee Line Extension.. CIRIA Special Publication 200

of the proposed development, the analysis has shown that in the long term total heave movements at the centre of the excavation likely to be between 12 mm and 15 mm, reducing to less than 5 mm at the edges.

The results of the P-Disp analysis also indicate the likely impact of the proposed basement construction beyond the site boundaries. On the basis of the analysis, total vertical movements outside the proposed basement are unlikely to exceed 2.5 mm of heave at a distance of 2 m of the edge of the excavation and are therefore considered to be negligible, although the potential building damage is discussed further in Section 11.

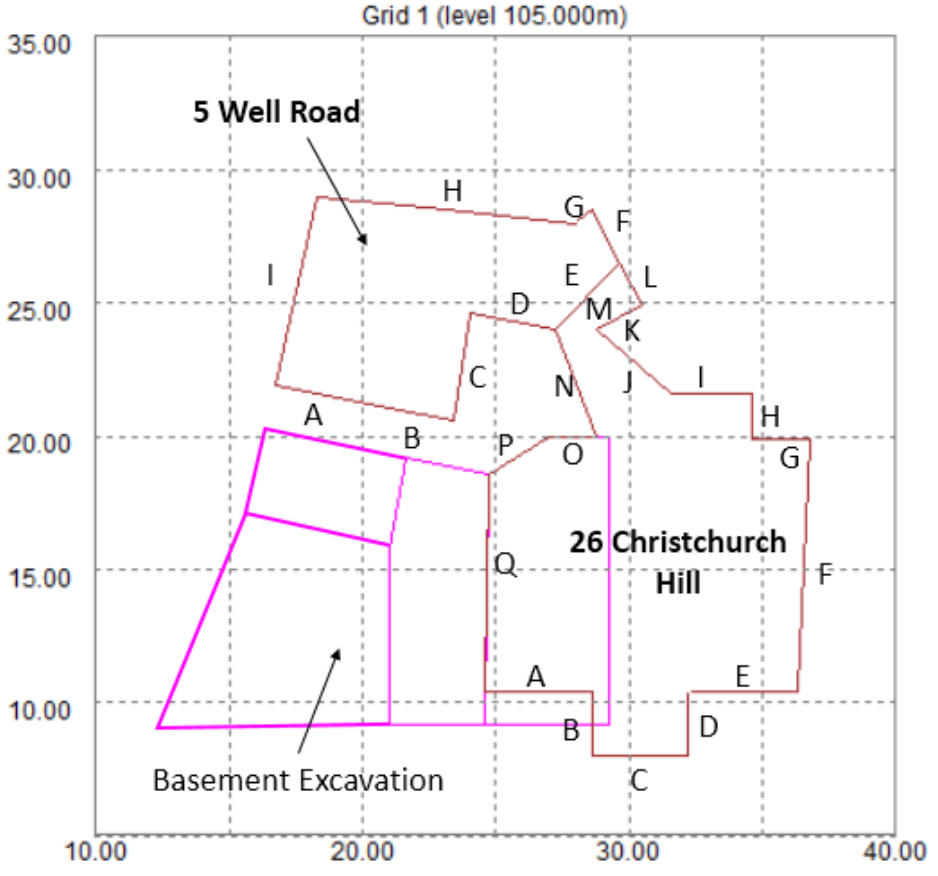
The potential movements are summarised in the table below.

Location	Heave Movement (mm)	
	Short-term Movement (Excavation Phase)	Total Movement
Centre of excavation	9	15
Edge of excavation	<5	<5

If a compressible material is used beneath the slab, it will need to be designed to be able to resist the potential uplift forces generated by the ground movements. In this respect potential heave pressures are typically taken to equate to around 30% to 40% of the total unloading pressure.

11.0 DAMAGE ASSESSMENT

In addition to the above assessment of the likely movements that will result from the proposed development, the neighbouring buildings are considered to be sensitive structures, requiring Building Damage Assessments, on the basis of the classification given in Table 2.5 of C580[1]. The sensitive structures outlined above have been modelled as lines in the analysis and are the lines along which the damage assessment has been undertaken. A plan of the sensitive structures is provided overleaf.



12.1 Retaining Wall Installation and Excavation Related Damage

The movements resulting from the wall installation phase and the combined retaining wall installation and basement excavation phases, have been estimated using the X-Disp modelling software to carry out an assessment of the likely damage to adjacent properties and the results are summarised for the combined wall installation and excavation in the table below.

Sensitive Structure	Elevation	Category of Damage*
No 5 Well Road	A	*Category 1- Very Slight*
	B	Category 0 – Negligible
	C	Category 2 – Slight
	D	Category 0 – Negligible
	E	*Category 1- Very Slight*
	F	Category 0 – Negligible
	G	Category 0 – Negligible
	H	Category 0 – Negligible
	I	Category 0 – Negligible
No 26 Christchurch Hill (the Site)	A	Category 0 - Negligible
	B	*Category 2 - Slight*
	C	Category 0 - Negligible
	D	Category 0 - Negligible

Sensitive Structure	Elevation	Category of Damage*
	E	*Category 1- Very Slight*
	F	Category 0 - Negligible
	G	*Category 1- Very Slight*
	H	Category 0 - Negligible
	I	*Category 1- Very Slight*
	J	Category 0 - Negligible
	K	Category 0 - Negligible
	L	Category 0 - Negligible
	M	*Category 1- Very Slight*
	N	Category 0 - Negligible
	O	Category 0 - Negligible
	P	Category 0 - Negligible
	Q	Category 0 - Negligible

**From Table 2.5 of C580[1]: Classification of visible damage to walls.*

The analysis has predicted that the proposed installation of the underpins and the bored pile wall, in addition to the excavation of the proposed basement, may generally result in building damage of sensitive structures of between Category 0 (negligible) and Category 1 (very slight), although a single elevation to No 5 Well Road is indicated as Category 2 (slight). For those structures, some of the elevations will be subject to repointing and repair during and after the construction process.

12.2 Basement Heave Related Damage

The potential heave movements predicted by P-Disp have been used to carry out an assessment of the likely longer term damage to adjacent properties. The methodology contained within CIRIA 580 has been used with deflection ratios calculated from the line plots appended over their respective wall lengths and for the roughly 10 m to 15 m high neighbouring buildings. The calculated deflection ratios fall well below 1 in 400, which is well within the 0.05 % strain that is within Burland Category 0 – negligible.

12.3 Comment

The Camden Planning Guidance for Basements and Lightwells (CPG4; July 2015) states that "The Council … will expect … mitigation measures where any risk of damage is identified of Burland category 1 'very slight' or higher. Following inclusion of mitigation measures into the proposed scheme the changes are to be re-evaluated and new net consequences determined."

The potential movements indicated by the ground movement analysis may be controlled to a wider extent during construction and particular consideration should be given to the sequence of wall construction, propping and excavation. The construction of the underpins has been modelled by adopting the profile of 'installation of a planar diaphragm wall'. In reality this is considered to be conservative due to the difference in size of a diaphragm wall and an underpin. In any case, where an existing wall is underpinned or re-used, the movements are likely to be lower than that of a diaphragm wall.

There is a wealth of experience with respect to the construction of underpinned retaining walls that suggests that ground movements should remain typically within the range of 2 mm

to 5 mm, provided that they are installed by a reputable and experienced contractor in accordance with the guidelines published by the Association of Specialist Underpinning Contractors[16], which indicates that the predicted movements represent a conservative assessment of the likely movements.

12.4 Monitoring of Ground Movements

The predictions of ground movement based on the ground movement analysis should be checked by monitoring of the adjacent properties and structures. Condition surveys of the above existing structures should be carried out before and after the proposed works.

The precise monitoring strategy will be developed at a later stage and it will be subject to discussions and agreements with the owners of the adjacent properties and structures. Contingency measures will be implemented if movements of the adjacent structures exceed predefined trigger levels. Both contingency measures and trigger levels will need to be developed within a future monitoring specification for the works.

13.0 CONCLUSIONS

The analysis has concluded that the predicted damage to the neighbouring properties from the construction of the basement retaining walls and excavation would be generally 'Negligible to 'Very Slight', which the damage that would occur would generally fall within the acceptable limits, although repair will be required. A single elevation to No 5 Well Road is indicated as potentially experiencing Category 2 and Slight damage. However, the conservative approach of the movement analysis is likely to be over-predicting movements and as such, that level of damage is unlikely to be realised. It is however recommended that movement monitoring is carried out on all structures prior to and during the proposed basement construction.

The separate phases of work, including excavation of the proposed basement level, will in practice be separated by a number of weeks during which time construction of permanent supports, basement slab and retaining wall curing will take place. This will provide an opportunity for the ground movements during and immediately after retaining wall construction to be measured and the data acquired can be fed back into the design and compared with the predicted values. Such a comparison will allow the ground model to be reviewed and the predicted wall movements to be reassessed prior to the main excavation taking place so that propping arrangements can be adjusted if required.

[16] Haslam S, O'Connor L (2013) *Guidelines on safe and efficient basement construction directly below or near to existing structures* ASUC

15.0 OUTSTANDING RISKS AND ISSUES

This section of the report aims to highlight areas where further work is required as a result of limitations on the scope of this investigation, or where issues have been identified by this investigation that warrant further consideration. The scope of risks and issues discussed in this section is by no means exhaustive, but covers the main areas where additional work may be required.

The ground is a heterogeneous natural material and variations will inevitably arise between the locations at which it is investigated. This report provides an assessment of the ground conditions based on the discrete points at which the ground was sampled, but the ground conditions should be subject to review as the work proceeds to ensure that any variations from the Ground Model are properly assessed by a suitably qualified person.

APPENDIX

Borehole Records

Trial Pit Records

Geotechnical Test Results

SPT & Cohesion/ Level Graph

Contamination Test Results

Generic Risk-Based Guideline Values

Envirocheck Summary

Historical Maps

Site Plan

X-DISP ANALYSIS:

Wall Installation
Contour Plots of Vertical Movements and Horizontal Movements

Wall Installation and Basement Excavation combined
Contour Plots of Combined Vertical Movements and Horizontal Movements

Tabular Output of Results

P-DISP ANALYSIS:

Short Term Movement Contour Plots

Total Movement Contour Plots

Displacement Graphs

Building Damage Assessment:

Tabular Output of Results

GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware,Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Borehole Number** **BH1**

Boring Method	**Casing Diameter**	**Ground Level (mOD)**	**Client**	**Job Number**
Cable Percussion	150mm cased to 10.00m	104.90	Mr Ron Pascalovici	J15258
	Location	**Dates** 10/09/2015- 11/09/2015	**Engineer** Price and Myers	**Sheet** 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(1.20)	Made Ground (dark brown sandy silt with roots and rootlets, gravel, brick and slate fragments)		
					103.70	1.20	Soft greyish brown mottled yellowish brown silty sandy CLAY with fine to coarse subrounded to well-rounded gravel		
						(2.10)			
2.75	D1								
3.00-3.45	SPT N=14	3.00	DRY	2,3/2,3,4,5					
3.00-3.45	B1								
					101.60	3.30	Firm medium strength brown mottled orange-brown clayey sandy SILT with bands of sandy clay and pockets of fine sand		
3.75	D2								
4.00-4.45	U4			Slow(1) at 4.00m.					▽1
						(1.70)			
4.75	D3								
5.00	D4			Slow(2) at 5.00m.	99.90	5.00	Firm bluish grey sandy SILT with pockets of silty clay		▽2
5.00-5.45	SPT N=22	5.00	5.00	2,4/5,5,6,6					
6.00	D5			Slow(3) at 6.00m.					▽3
						(2.50)			
6.50-6.95	SPT N=23	6.50	6.00	3,4/5,5,6,7					
6.50	D8								▽4
				Slow(4) at 7.00m, sealed at 10.00m.					
7.50	D9				97.40	7.50	Firm becoming stiff high strength dark grey silty sandy CLAY with traces of selenite		
8.00-8.45	U2								
9.00	D10								
9.50-9.95	SPT N=25	9.50	DRY	3,4/5,6,7,7					
9.50	D11								

Remarks
Waiting to gain access to site for 3 hrs. Manhandling tools and equipment to borehole location for 3 hrs.
Excavating services inspection pit from GL to 1.2 m for 1 hr.
Groundwater monitoring standpipe installed to 8.00 m.
Manhandling tools and equipment off of site for 3 hrs.
Groundwater monitoring visit on 15/10/15 recorded groundwater at 3.43 m.
Groundwater monitoring visit on 19/11/15 recorded groundwater at 3.33 m.

Scale (approx)	**Logged By**
1:50	ML

Figure No.
J15258.BH1

Produced by the GEOtechnical DAtabase SYstem (GEODASY) (C) all rights reserved

Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware,Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Borehole Number** **BH1**

Boring Method	**Casing Diameter**	**Ground Level (mOD)**	**Client**	**Job Number**
Cable Percussion	150mm cased to 10.00m	104.90	Mr Ron Pascalovici	J15258
	Location	**Dates** 10/09/2015- 11/09/2015	**Engineer** Price and Myers	**Sheet** 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50	D12								
11.00-11.45	U3					(7.95)			
12.00	D13								
12.50-12.95 12.50	SPT N=29 D14	10.00	DRY	4,5/6,7,8,8					
13.50	D15								
14.00-14.45	U4								
15.00-15.45 15.00	SPT N=32 D16	10.00	DRY	4,5/7,7,8,10					
					89.45	15.45	Complete at 15.45m		

Remarks	**Scale (approx)**	**Logged By**
	1:50	ML
	Figure No.	
	J15258.BH1	

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GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware,Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Number** **BH2**

Excavation Method	**Dimensions**	**Ground Level (mOD)**	**Client**	**Job Number**
Drive-in Window Sampler		103.19	Mr Ron Pascalovici	J15258
	Location	**Dates** 14/09/2015	**Engineer** Price and Myers	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				103.09	0.10	Made ground (artificial grass over membrane over Type 1)		
0.30	D1				(0.50)	Made Ground (dark brown becoming brown clayey sandy silt with gravel and fine brick and coal fragments)		
				102.59	0.60	Soft pale grey becoming orange-brown mottled pale grey very sandy SILT with fine to coarse subrounded to well-rounded gravel		
0.70	D2							
					(1.40)			
1.50	D3							
				101.19	2.00	Firm brown mottled orange-brwon slightly clayey sandy SILT with pockets of and lenses or fine sand, pockets of grey silty clay and fine selenite		
2.50	D4							
					(2.60)			
3.50	D5							▽1
			Slow(1) at 4.00m.					
				98.59	4.60	Firm dark grey locally clayey sandy SILT with layers of fine sand and traces of selenite		
4.70	D6							
					(1.40)			
5.60	D7							
				97.19	6.00	Complete at 6.00m		

Remarks
Groundwater monitoring standpipe installed to 6.00 m
Groundwater monitoring visit on 15/10/15 recorded groundwater at 2.57 m.
Groundwater monitoring visit on 19/11/15 recorded groundwater at 2.43 m.
Groundwater monitoring visit on 28/09/16 recorded groundwater at 2.43 m.

Scale (approx)	**Logged By**
1:50	ML

Figure No.
J15258.BH2

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Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware,Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Number** **BH3**

Excavation Method	**Dimensions**	**Ground Level (mOD)**	**Client**	**Job Number**
Drive-in Window Sampler		103.19	Mr Ron Pascalovici	J15258
	Location	**Dates** 14/09/2015	**Engineer** Price and Myers	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				102.99	(0.20) 0.20	Loose cobbles over geotextile		
0.30	D1			102.69	(0.30) 0.50	Made Ground (dark brown clayey sandy silt with gravel, rootlets and fine brick, conrete and coal fragments)		
0.60	D2		Seepage(1) at 1.00m.			Soft pale grey mottled brownish grey locally clayey sandy SILT with fine to coarse subrounded to well-rounded gravel and pockets of dark orange-brown sand		▽1
1.60	D3				(2.40)			
				100.29	2.90			
3.00	D4				(0.70)	Firm brown mottled orange-brown slightly clayey sandy SILT with pockets and lenses of fine sand		
				99.59	3.60			
3.70	D5		Slow(2) at 4.00m.			Firm dark grey clayey sandy SILT with traces of selenite and becoming increasingly more clayey with depth		▽2
4.70	D6				(2.40)			
5.00	D7							
				97.19	6.00	Complete at 6.00m		

Remarks
Borehole collapsed to 4.40 m on completion.
Groundwater monitoring standpipe installed to 4.40 m.
Groundwater monitoring visit on 15/10/15 recorded groundwater at 2.10 m.
Groundwater monitoring visit on 19/11/15 recorded groundwater at 1.96 m.
Groundwater monitoring visit on 28/9/16 recorded groundwater at 1.92 m.

Scale (approx)	**Logged By**
1:50	ML

Figure No.
J15258.BH3

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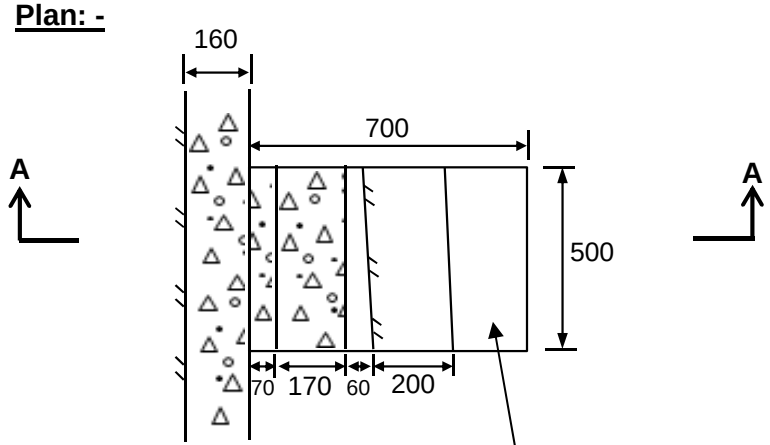
GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Trial Pit Number** **1**

Excavation Method	**Dimensions**	**Ground Level (mOD)**	**Client**	**Job Number**
Manual	700 x 500 x 1000	103.31	Mr Ron Pascalovici	J15258
	Location	**Dates**	**Engineer**	**Sheet**
		14/09/2015	Price and Myers	1 / 2

Plan: -



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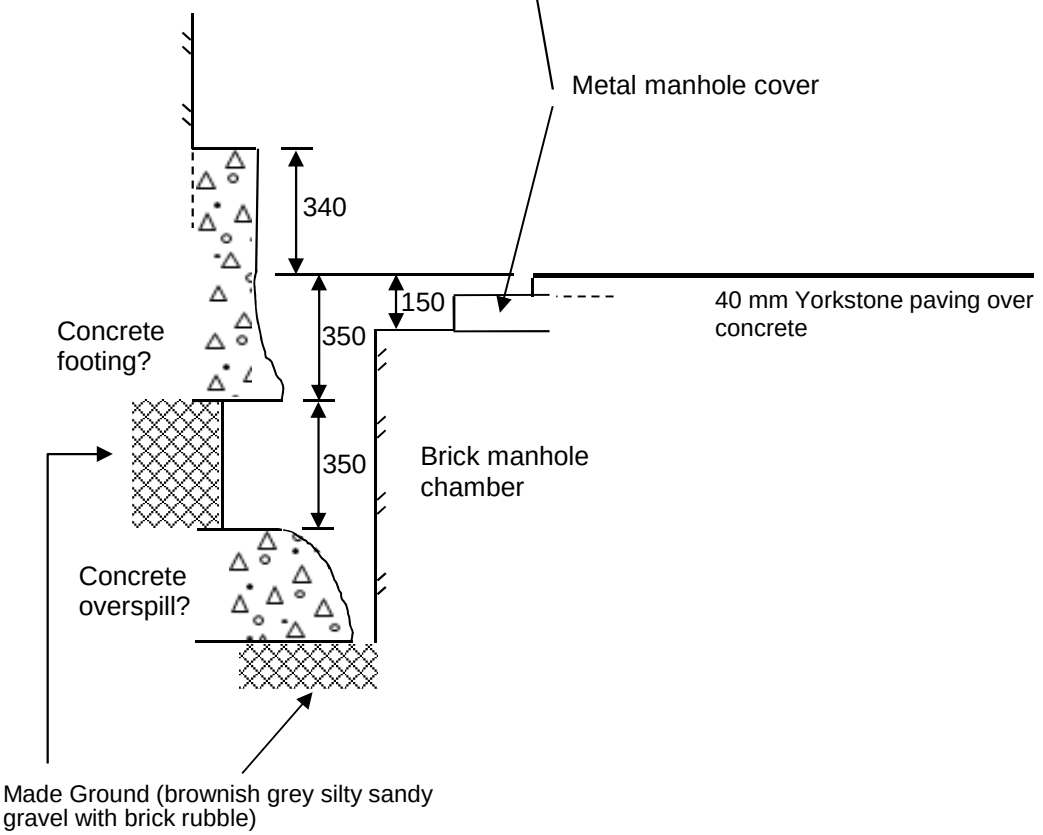


Remarks:	Scale:
All dimensions in millimetres	1:20
Sides of trial pit remained stable during excavation	Logged by:
Groundwater: not encountered	ML

GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Trial Pit Number** **1**

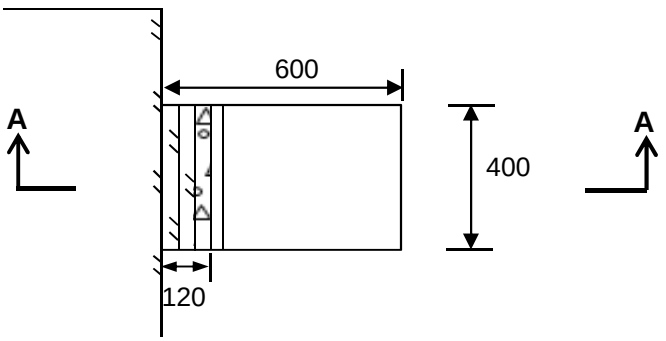
Excavation Method	**Dimensions**	**Ground Level (mOD)**	**Client**	**Job Number**
Manual	700 x 500 x 1000	103.31	Mr Ron Pascalovici	J15258
	Location	**Dates**	**Engineer**	**Sheet**
		14/09/2015	Price and Myers	2 / 2

Remarks:	Scale:
All dimensions in millimetres	1:20
Sides of trial pit remained stable during excavation	Logged by:
Groundwater: not encountered	ML

GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Trial Pit Number** **2**

Excavation Method **Manual**	**Dimensions** 600 x 400 x 1100	**Ground Level (mOD)** 104.84	**Client** Mr Ron Pascalovici	**Job Number** J15258
	Location	**Dates** 14/09/2015	**Engineer** Price and Myers	**Sheet** 1 / 2

Plan: -



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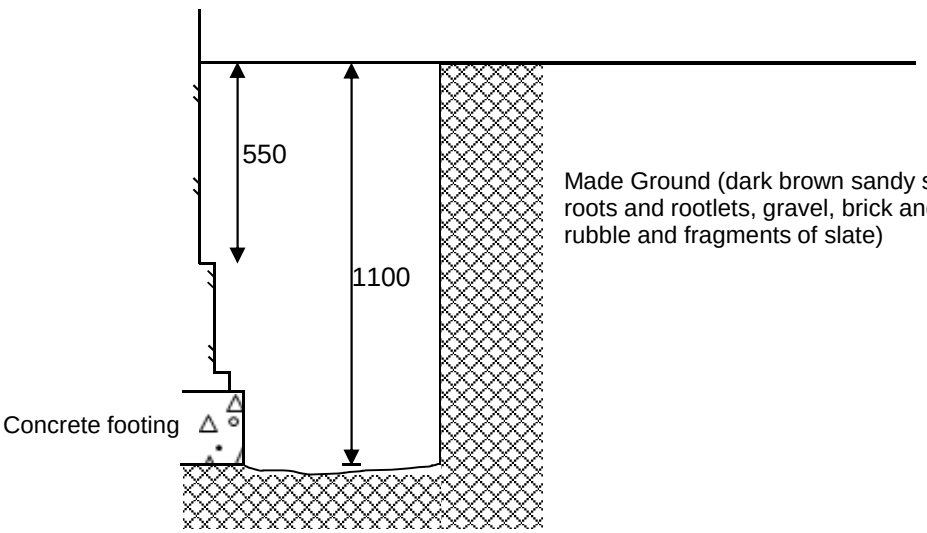


Made Ground (dark brown sandy silt with roots and rootlets, gravel, brick and concrete rubble and fragments of slate)

Remarks: All dimensions in millimetres Sides of trial pit remained stable during excavation Groundwater: not encountered	Scale: 1:20 Logged by: ML

GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware Herts SG12 7QE	**Site** 26 Christchurch Hill, London NW3 1LG	**Trial Pit Number** **2**

Excavation Method **Manual**	**Dimensions** 600 x 400 x 1100	**Ground Level (mOD)** 104.84	**Client** Mr Ron Pascalovici	**Job Number** J15258
	Location	**Dates** 14/09/2015	**Engineer** Price and Myers	**Sheet** 2 / 2

Remarks:	Scale:
All dimensions in millimetres	1:20
Sides of trial pit remained stable during excavation	Logged by:
Groundwater: not encountered	ML

GEA Geotechnical & Environmental Associates

Widbury Barn
Widbury Hill
Ware
Herts SG12 7QE

Borehole Soakage Test

Site	26 Christchurch Hill,London NW3 1LG
Client	Mr Ron Pascalovici
Engineer	Price and Myers

Job Number J15258

Sheet 1/2

Date: 19th November 2015

Borehole No: 1 **Test No:** 1

Test Data

Before start of test:

Borehole depth (m): 5.40
Casing depth (m): 0.00
Water level (m): 3.30

Time (mins)	Depth to Water (m)	Depth of Water (m)
0	4.51	0.89
1	4.11	1.29
2	3.92	1.48
3	3.77	1.63
4	3.66	1.74
5	3.59	1.81
10	3.38	2.02
15	3.36	2.04
20	3.36	2.04
25	3.36	2.04
30	3.36	2.04
45	3.36	2.04
60	3.35	2.05

Borehole depth (m): 1.50
Casing depth (m): 0.00
Water level (m): DRY

Soakage Calculation

Borehole Diameter (m)	0.0500	
Borehole Area (m)	0.0020	
Borehole Perimeter (m)	0.157	
From Plot:	D1 (m)	0.89
	D2 (m)	2.04
	T1 (min)	0
	T2 (min)	15
Soakage Volume (m^3)	-0.002	
Soakage Area (m^2)	0.23	
Time (min)	15	

Soakage rate (m/sec)	-1.08103E-05
Soakage rate (m/day)	-0.934010152

Remarks:
Test carried out in Terrier Rig borehole
Groundwater: Seepage at 1.30 m

GEA Geotechnical & Environmental Associates
Widbury Barn
Widbury Hill
Ware
Herts SG12 7QE

Borehole Soakage Test

Site 26 Christchurch Hill,London NW3 1LG

Client Mr Ron Pascalovici

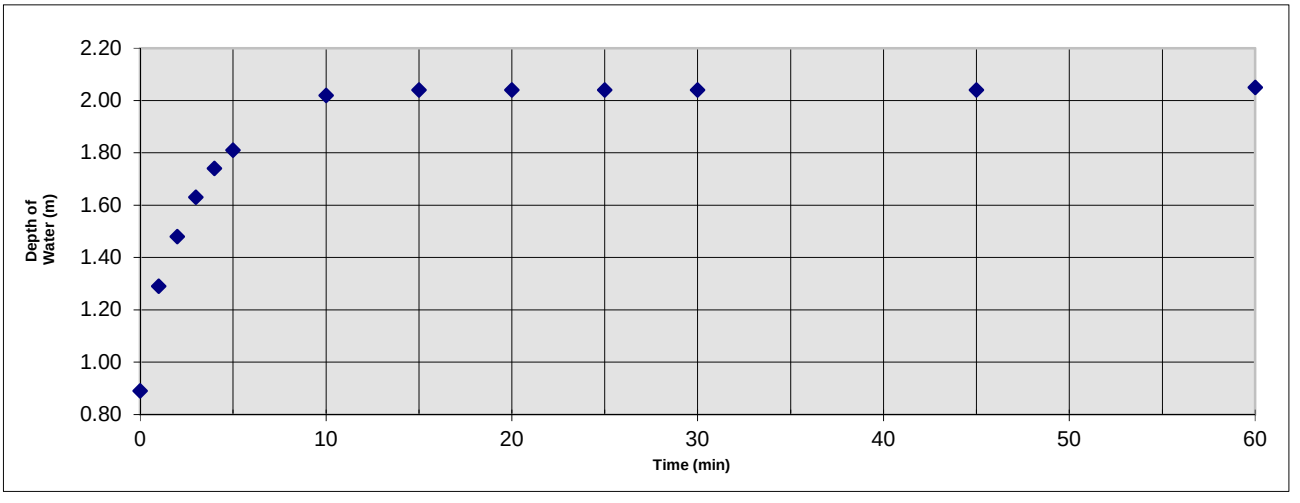
Engineer Price and Myers

Job Number J15258

Sheet 2/2

Soakage Graph

Test No: 1



Remarks:

Test carried out in the standpipe installed in the borehole

Ground water level: 0.94 m

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments
Borehole / Trial Pit	Sample Ref	Depth (m)	Type	Description	MC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)	W/S Mg (mg/L)	
BH1	D1	2.75	D	Very soft yellowish brown gravelly silty CLAY.	17	38	18	20	52									
BH1	B2	3.00-3.45	B	Yellow brown gravelly fine sandy silty CLAY														Particle Size Distribution
BH1	D3	3.75	D	Very soft brown and orangish brown silty fine sandy CLAY.	49	70	27	43	100									
BH1	U4	4.00-4.45	U	Firm yellow brown clayey SAND	32					1.86	1.41	80	124	62				
BH1	D5	4.75	D												7.3	0.09		
BH1	D7	6.00	D	Very soft dark brown and brown silty CLAY.	32	40	25	15	100									
BH1	U10	8.00-8.45	U	Firm to stiff grey brown mottled yellow brown CLAY with rare fine sand	27					1.98	1.56	160	173	87				
BH1	U14	11.00-11.45	U	Stiff fissured grey brown CLAY with rare fine sand	26					1.98	1.57	220	168	84				
BH1	U18	14.00-14.45	U	Stiff fissured grey brown CLAY with rare fine sand	26					1.99	1.58	280	240	120				
BH2	D2	0.70	D	Soft yellowish brown gravelly clayey sandy SILT with rare orange staining.	18		NP		79									

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed) NP=Non Plastic

Checked and Approved by

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG

J15258

GEOLABS®

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments
Borehole / Trial Pit	Sample Ref	Depth (m)	Type	Description	MC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)	W/S Mg (mg/L)	
BH2	D3	1.50	D	Yellow brown silty clayey Gravel and SAND. Gravel is flint.														Particle Size Distribution
BH2	D4	2.50	D	Soft yellowish brown silty CLAY.	33	42	20	22	100									
BH2	D5	3.50	D												7.2	0.69		
BH2	D7	5.60	D	Soft dark brown silty CLAY.	32	46	23	23	100									
BH3	D2	0.60	D	Soft greyish brown silty CLAY with rare gravel.	23	35	21	14	97									
BH3	D3	1.60	D												7.5	0.05		
BH3	D5	3.70	D	Soft dark brown silty CLAY.	31	43	17	26	100									

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed) NP=Non Plastic

Checked and Approved by

S Burke

Senior Technician
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Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG

J15258

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BS1377 : Part 2 : Clause 9 : 1990

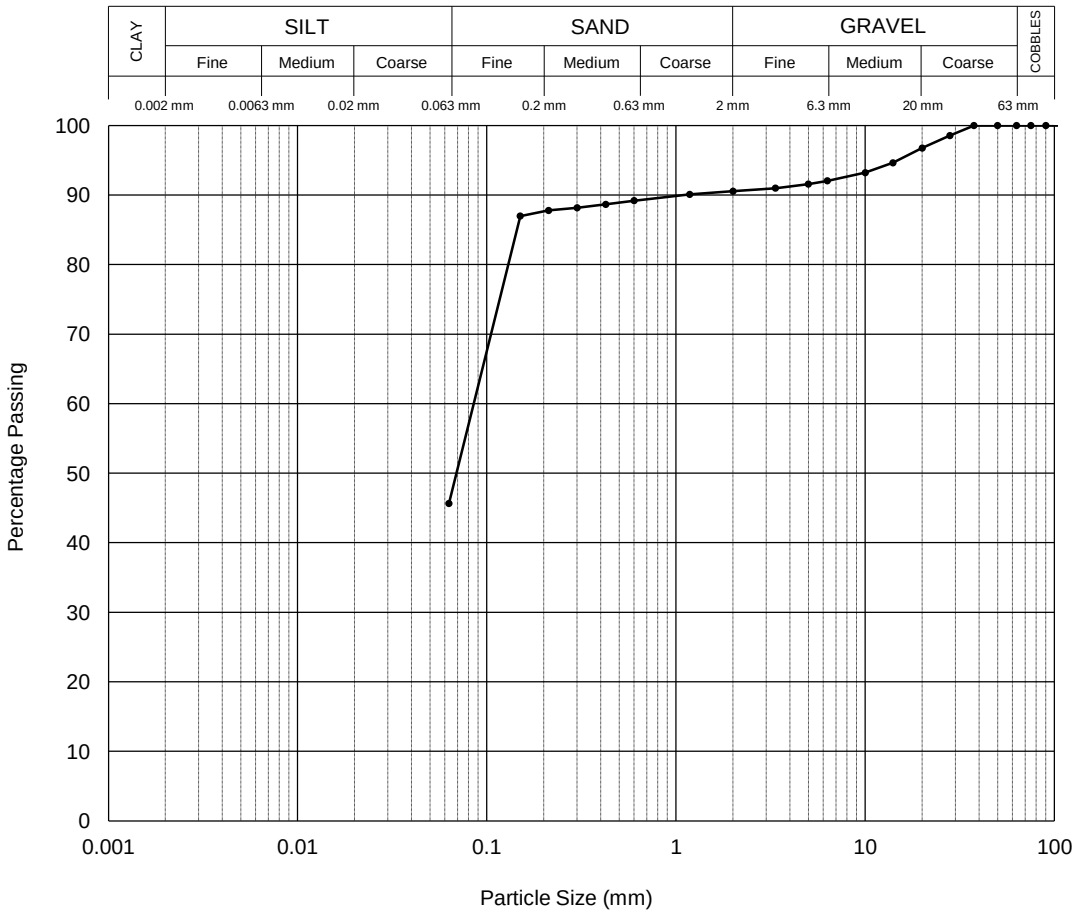
PARTICLE SIZE DISTRIBUTION

BH/TP No:	BH1
Sample Ref.	B2
Depth (m):	3.00-3.45
Sample Type	B

Description:
Yellow brown gravelly fine sandy silty CLAY

BS1377 : Part 2 : Clause 9.2 : 1990 Wet Sieving Method

Sieve	
Sieve (mm)	% pass
200	100
125	100
90	100
75	100
63	100
50	100
37.5	100
28	99
20	97
14	95
10	93
6.3	92
5	92
3.35	91
2	91
1.18	90
0.6	89
0.425	89
0.3	88
0.212	88
0.15	87
0.063	46



Particle Proportions	
Cobbles	0.0 %
Gravel	9.4 %
Sand	44.9 %
Silt & Clay	45.6 %

Checked and Approved by

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

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BS1377 : Part 2 : Clause 9 : 1990

PARTICLE SIZE DISTRIBUTION

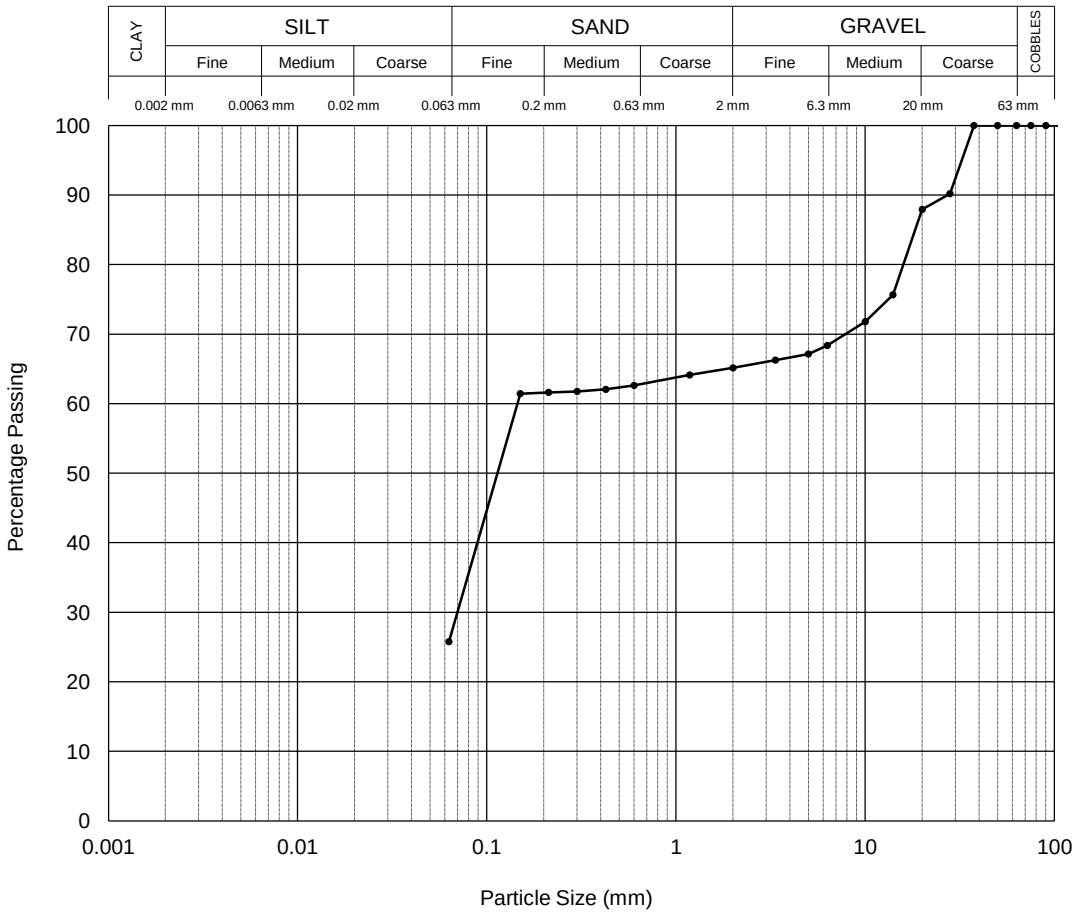
BH/TP No:	BH2
Sample Ref.	D3
Depth (m):	1.50
Sample Type	D

Description:
Yellow brown silty clayey Gravel and SAND. Gravel is flint.

Insufficient material supplied to be representative in accordance with BS1377 requirements.

BS1377 : Part 2 : Clause 9.2 : 1990 Wet Sieving Method

Sieve	
Sieve (mm)	% pass
200	100
125	100
90	100
75	100
63	100
50	100
37.5	100
28	90
20	88
14	76
10	72
6.3	68
5	67
3.35	66
2	65
1.18	64
0.6	63
0.425	62
0.3	62
0.212	62
0.15	61
0.063	26



Particle Proportions	
Cobbles	0.0 %
Gravel	34.9 %
Sand	39.4 %
Silt & Clay	25.8 %

Checked and Approved by

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

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J15258

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UKAS TESTING 1982

BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH1
Sample Ref	U4
Depth (m)	4.00-4.45
Sample Type	U

Description:

Firm yellow brown clayey SAND

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.0
Diameter	(mm)	102.4
Moisture Content	(%)	32
Bulk Density	(Mg/m³)	1.86
Dry Density	(Mg/m³)	1.41
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	80
Strain at failure	(%)	19.9
Maximum Deviator Stress	(kPa)	124
Shear Stress Cu	(kPa)	62

Mode of failure

Orientation of the sample	Vertical
Distance from top of tube mm	90

Checked and Approved by:

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG
J15258

GEOLABS

UKAS TESTING 1982

BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH1
Sample Ref	U10
Depth (m)	8.00-8.45
Sample Type	U

Description:

Firm to stiff grey brown mottled yellow brown CLAY with rare fine sand

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.4
Diameter	(mm)	103.2
Moisture Content	(%)	27
Bulk Density	(Mg/m³)	1.98
Dry Density	(Mg/m³)	1.56
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	160
Strain at failure	(%)	19.9
Maximum Deviator Stress	(kPa)	173
Shear Stress Cu	(kPa)	87

Mode of failure

Orientation of the sample	Vertical
Distance from top of tube mm	70

Checked and Approved by:

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG
J15258

GEOLABS

UKAS TESTING 1982

BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH1
Sample Ref	U14
Depth (m)	11.00-11.45
Sample Type	U

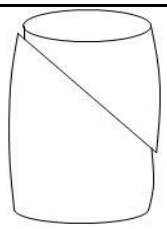
Description:

Stiff fissured grey brown CLAY with rare fine sand

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.2
Diameter	(mm)	102.8
Moisture Content	(%)	26
Bulk Density	(Mg/m³)	1.98
Dry Density	(Mg/m³)	1.58
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.7
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	220
Strain at failure	(%)	11.4
Maximum Deviator Stress	(kPa)	168
Shear Stress Cu	(kPa)	84

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	80

Checked and Approved by:

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG
J15258

GEOLABS®

UKAS TESTING 1982

BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH1
Sample Ref	U18
Depth (m)	14.00-14.45
Sample Type	U

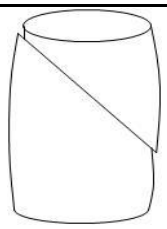
Description:

Stiff fissured grey brown CLAY with rare fine sand

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.3
Diameter	(mm)	103.0
Moisture Content	(%)	26
Bulk Density	(Mg/m³)	1.99
Dry Density	(Mg/m³)	1.58
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.6
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	280
Strain at failure	(%)	7.9
Maximum Deviator Stress	(kPa)	240
Shear Stress Cu	(kPa)	120

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	60

Checked and Approved by:

S Burke

Senior Technician
17/10/2015

Project Number:

GEO / 23160

Project Name:

26 CHRISTCHURCH HILL, LONDON NW3 1LG
J15258

GEOLABS®

UKAS TESTING 1982

Geotechnical & Environmental Associates

Widbury Barn
Widbury Hill
Ware
Herts SG12 7QE

SPT & Cohesion / Depth Graph

Site	26 Christchurch Hill, London NW3 1LG
Client	Mr Ron Pascalovici
Engineer	Price and Myers

Job Number J15258

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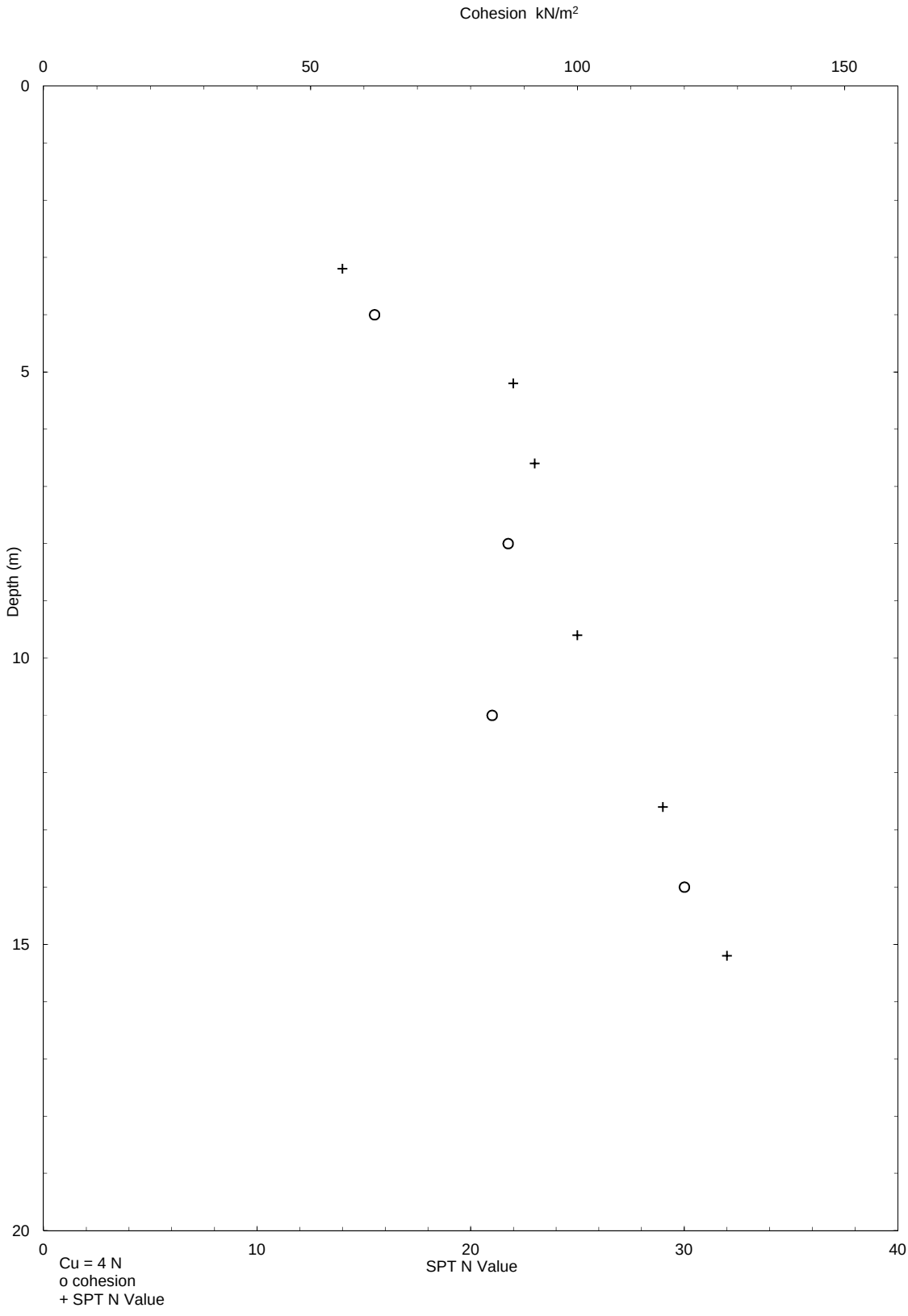

Chemtest
The right chemistry to deliver results

Results - Soil

Project: J15258 - 26 Christchurch Hill, London NW3 1LG

Client: GEA			**Chemtest Job No.:**		15-21795	15-21795	15-21795
Quotation No.:			**Chemtest Sample ID.:**		194162	194163	194164
Order No.:			Client Sample Ref.:				
			Client Sample ID.:		BH2	BH3	TP2
			Sample Type:		SOIL	SOIL	SOIL
			Top Depth (m):		0.3	0.3	0.3
			Bottom Depth(m):				
			Date Sampled:		14-Sep-15	14-Sep-15	14-Sep-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Moisture	N	2030	%	0.02	16	17	9.2
Stones	N	2030	%	0.02	< 0.020	< 0.020	< 0.020
Soil Colour	N				Brown	Brown	Brown
Other Material	N				Stones	Roots	Stones
Soil Texture	N				Loam	Clay	Sand
pH	M	2010			7.2	7.2	6.6
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	0.014	< 0.010	0.080
Chloride (Extractable)	M	2220	g/l	0.01	< 0.010	< 0.010	0.018
Cyanide (Total)	M	2300	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	M	2325	mg/kg	0.5	1.1	1.1	1.1
Sulphate (Total)	M	2430	mg/kg	100	910	650	1500
Arsenic	M	2450	mg/kg	1	29	24	23
Cadmium	M	2450	mg/kg	0.1	0.27	0.19	0.32
Chromium	M	2450	mg/kg	1	31	31	31
Copper	M	2450	mg/kg	0.5	63	90	69
Mercury	M	2450	mg/kg	0.1	1.6	0.76	0.87
Nickel	M	2450	mg/kg	0.5	19	18	20
Lead	M	2450	mg/kg	0.5	630	370	680
Selenium	M	2450	mg/kg	0.2	0.30	0.21	0.44
Zinc	M	2450	mg/kg	0.5	230	120	290
Total Organic Carbon	M	2625	%	0.2	2.7	3.1	3.5
TPH >C5-C6	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C6-C7	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C7-C8	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C8-C10	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C10-C12	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C12-C16	N	2670	mg/kg	1	< 1.0	< 1.0	4.1
TPH >C16-C21	N	2670	mg/kg	1	1.1	< 1.0	7.4
TPH >C21-C35	N	2670	mg/kg	1	< 1.0	< 1.0	38
Total TPH >C5-C35	N	2670	mg/kg	10	< 10	< 10	49
Naphthalene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10

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Results - Soil

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Quotation No.:			**Chemtest Sample ID.:**		194162	194163	194164
Order No.:			Client Sample Ref.:				
			Client Sample ID.:		BH2	BH3	TP2
			Sample Type:		SOIL	SOIL	SOIL
			Top Depth (m):		0.3	0.3	0.3
			Bottom Depth(m):				
			Date Sampled:		14-Sep-15	14-Sep-15	14-Sep-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Fluorene	M	2700	mg/kg	0.1	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.1	0.97	< 0.10	0.48
Anthracene	M	2700	mg/kg	0.1	0.17	< 0.10	0.10
Fluoranthene	M	2700	mg/kg	0.1	2.4	< 0.10	1.4
Pyrene	M	2700	mg/kg	0.1	2.9	< 0.10	1.5
Benzo[a]anthracene	M	2700	mg/kg	0.1	1.1	< 0.10	0.61
Chrysene	M	2700	mg/kg	0.1	1.3	< 0.10	0.84
Benzo[b]fluoranthene	M	2700	mg/kg	0.1	1.5	< 0.10	0.88
Benzo[k]fluoranthene	M	2700	mg/kg	0.1	0.64	< 0.10	0.47
Benzo[a]pyrene	M	2700	mg/kg	0.1	1.1	< 0.10	0.71
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.1	0.71	< 0.10	0.60
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.1	0.16	< 0.10	0.18
Benzo[g,h,i]perylene	M	2700	mg/kg	0.1	0.60	< 0.10	0.51
Total Of 16 PAH's	M	2700	mg/kg	2	14	< 2.0	8.3
Total Phenols	M	2920	mg/kg	0.3	< 0.30	< 0.30	< 0.30

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

GEA Geotechnical & Environmental Associates

Widbury Barn
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Ware
Herts SG12 7QE

Generic Risk-Based Soil Screening Values

Site	26 Christchurch Hill, London NW3 1LG
Client	Mr Ron Pascalovici
Engineer	Price and Myers

Job Number J15258

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Proposed End Use Residential with plant uptake

Soil pH 8

Soil Organic Matter content % 2.5

Contaminant	Screening Value mg/kg	Data Source
Metals		
Arsenic	37	C4SL
Cadmium	26	C4SL
Chromium (III)	3000	LQM/CIEH
Chromium (VI)	21	C4SL
Copper	2,330	LQM/CIEH
Lead	200	C4SL
Elemental Mercury	1	SGV
Inorganic Mercury	170	SGV
Nickel	97	LQM/CIEH
Selenium	350	SGV
Zinc	3,750	LQM/CIEH
Hydrocarbons		
Benzene	0.34	C4SL
Toluene	320	SGV
Ethyl Benzene	180	SGV
Xylene	120	SGV
Aliphatic C5-C6	55	LQM/CIEH
Aliphatic C6-C8	160	LQM/CIEH
Aliphatic C8-C10	46	LQM/CIEH
Aliphatic C10-C12	230	LQM/CIEH
Aliphatic C12-C16	1700	LQM/CIEH
Aliphatic C16-C35	64,000	LQM/CIEH
Aromatic C6-C7	See Benzene	LQM/CIEH
Aromatic C7-C8	See Toluene	LQM/CIEH
Aromatic C8-C10	65	LQM/CIEH
Aromatic C10-C12	160	LQM/CIEH
Aromatic C12-C16	310	LQM/CIEH
Aromatic C16-C21	480	LQM/CIEH
Aromatic C21-C35	1100	LQM/CIEH
PRO (C_5 –C_{10})	646	Calc
DRO (C_{12} –C_{28})	66,490	Calc
Lube Oil (C_{28} –C_{44})	65,100	Calc
TPH	**1000**	Trigger for speciated testing

Contaminant	Screening Value mg/kg	Data Source
Anions		
Soluble Sulphate	500 mg/l	Structures
Sulphide	50	Structures
Chloride	400	Structures
Others		
Organic Carbon (%)	6	Methanogenic potential
Total Cyanide	140	WRAS
Total Mono Phenols	290	SGV
PAH		
Naphthalene	5.30	C4SL exp & LQM/CIEH
Acenaphthylene	400	LQM/CIEH
Acenaphthene	480	LQM/CIEH
Fluorene	380	LQM/CIEH
Phenanthrene	200	LQM/CIEH
Anthracene	4,900	LQM/CIEH
Fluoranthene	460	LQM/CIEH
Pyrene	1,000	LQM/CIEH
Benzo(a) Anthracene	6.7	C4SL exp & LQM/CIEH
Chrysene	11	C4SL exp & LQM/CIEH
Benzo(b) Fluoranthene	9.5	C4SL exp & LQM/CIEH
Benzo(k) Fluoranthene	14.1	C4SL exp & LQM/CIEH
Benzo(a) pyrene	4.40	C4SL
Indeno(1 2 3 cd) Pyrene	5.6	C4SL exp & LQM/CIEH
Dibenzo(a h) Anthracene	1.27	C4SL exp & LQM/CIEH
Benzo (g h i) Perylene	69	C4SL exp & LQM/CIEH
Screening value for PAH	**62.9**	B(a)P / 0.15
Chlorinated Solvents		
1,1,1 trichloroethane (TCA)	27.2	LQM/CIEH
tetrachloroethane (PCA)	1.25	LQM/CIEH
tetrachloroethene (PCE)	2.32	LQM/CIEH
trichloroethene (TCE)	0.308	LQM/CIEH
1,2-dichloroethane (DCA)	0.008	LQM/CIEH
vinyl chloride (Chloroethene)	0.000184	LQM/CIEH
tetrachloromethane (Carbon tetra	0.039	LQM/CIEH
trichloromethane (Chloroform)	1.99	LQM/CIEH

Notes

Concentrations measured below the above values may be considered to represent 'uncontaminated conditions' which pose 'LOW' risk to human health. Concentrations measured in excess of these valuesindicate a potential risk which require further, site specific risk assessment.

SGV - Soil Guideline Value, derived from the CLEA model and published by Environment Agency 2009

LQM/CIEH - Generic Assessment Criteria for Human Health Risk Assessment 2nd edition (2009)derived using CLEA 1.04 model 2009

C4SL - Defra Category 4 Screening value based on Low Level of Toxicological Risk

C4SL exp & LQM/CIEH calculated using C4SL revisions to exposure assessment but LQM/CIEH health croiteria values

Calc - sum of nearest available carbon range specified including BTEX for PRO fraction

B(a)P / 0.15 - GEA experince indicates that Benzo(a) pyrene (one of the most common and most carcenogenic of the PAHs) rarely exceeds 15% of the total PAH concentration, hence this Total PAH threshold is regarded as being conservative

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Generic Risk-Based Soil Screening Values

Site	26 Christchurch Hill, London NW3 1LG
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Job Number J15258

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Proposed End Use **Residential with plant uptake**

The key generic assumptions for this end use are as follows;

- ❑ that groundwater will not be a critical risk receptor;
- ❑ that the critical receptor for human health will be a young female aged 0 to 6 years old;
- ❑ that the exposure duration will be six years;
- ❑ that the building type equates to a terraced house.
- ❑ that the critical exposure pathways will be direct soil and indoor dust ingestion, consumption of home grown produce, consumption of soil adhering to home grown produce, skin contact with soils and dust, and inhalation of dust and vapours

Where contaminant concentrations are measured at concentrations below the generic screening value it is considered that they pose an acceptable level of risk and thus further consideration of these contaminant concentrations is not required. However, where concentrations are measured in excess of the generic screening value there is considered to be a potential that they could pose an unacceptable risk and thus further action will be required which could include:

- ❑ additional testing to zone the extent of the contaminated material and thus reduce the uncertainty with regard to its potential risk;
- ❑ site specific risk assessment to refine the assessment criteria and allow an assessment to be made as to whether the concentration present would pose an unacceptable risk at this site; or
- ❑ soil remediation or risk management to mitigate the risk posed by the contaminant to a degree that it poses an acceptable risk.

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Site Plan

Site 26 Christchurch Hill, London NW3 1LG

Client Mr Ron Pascalovici

Engineer Price and Myers

Job Number J15258

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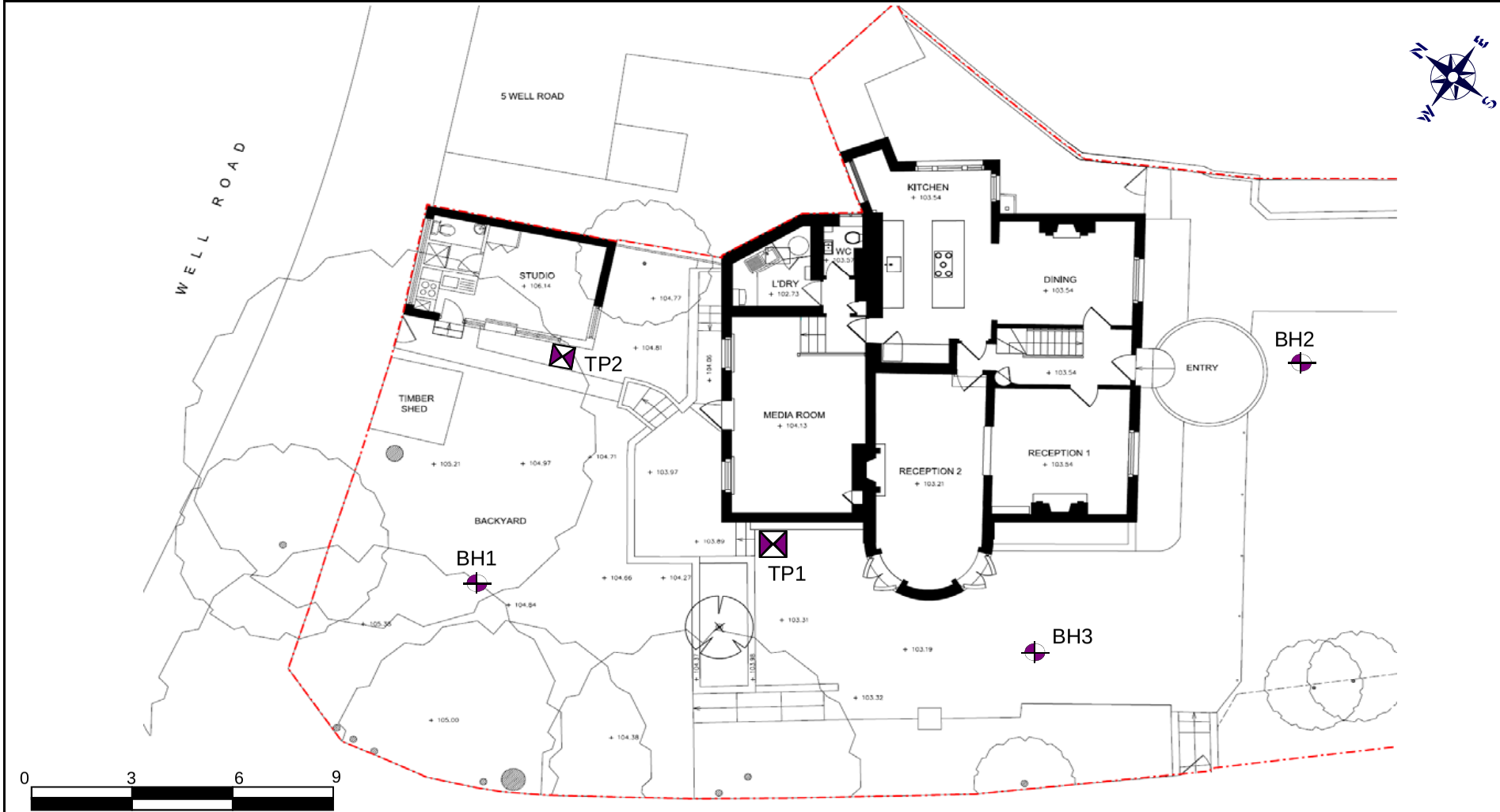
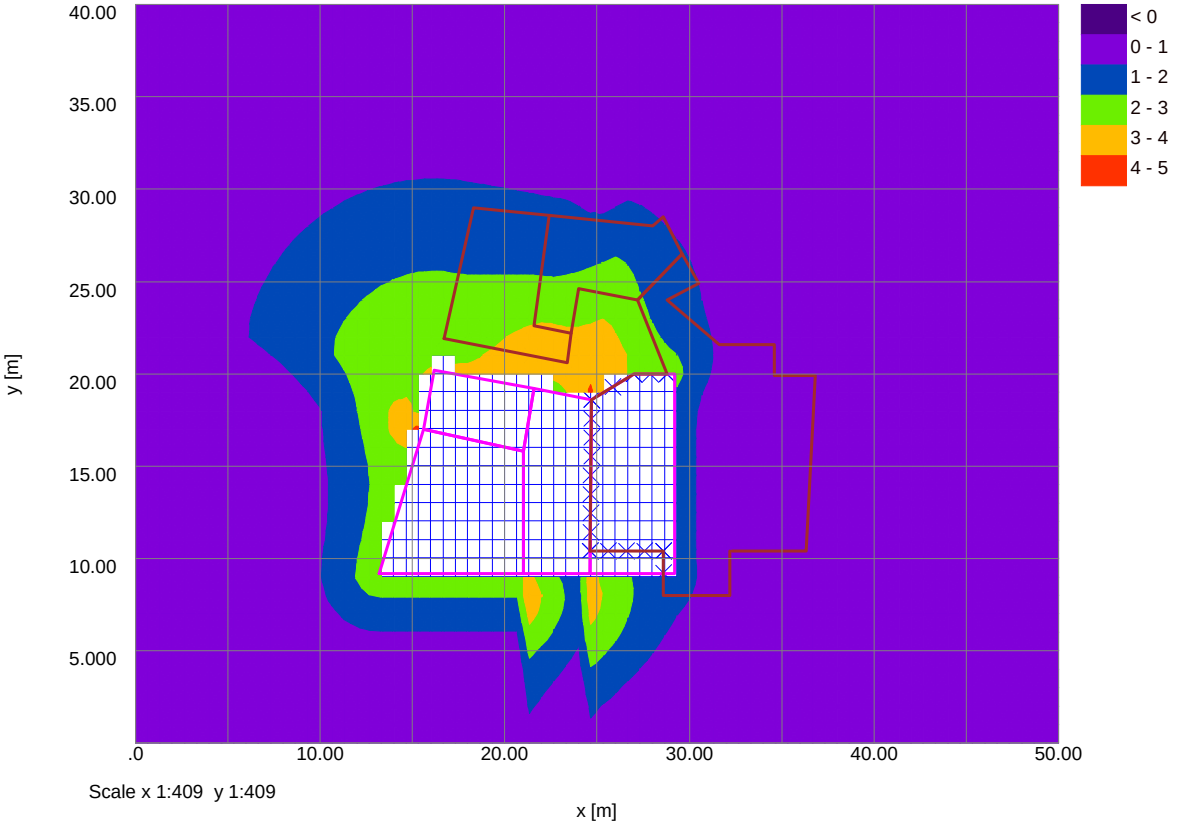
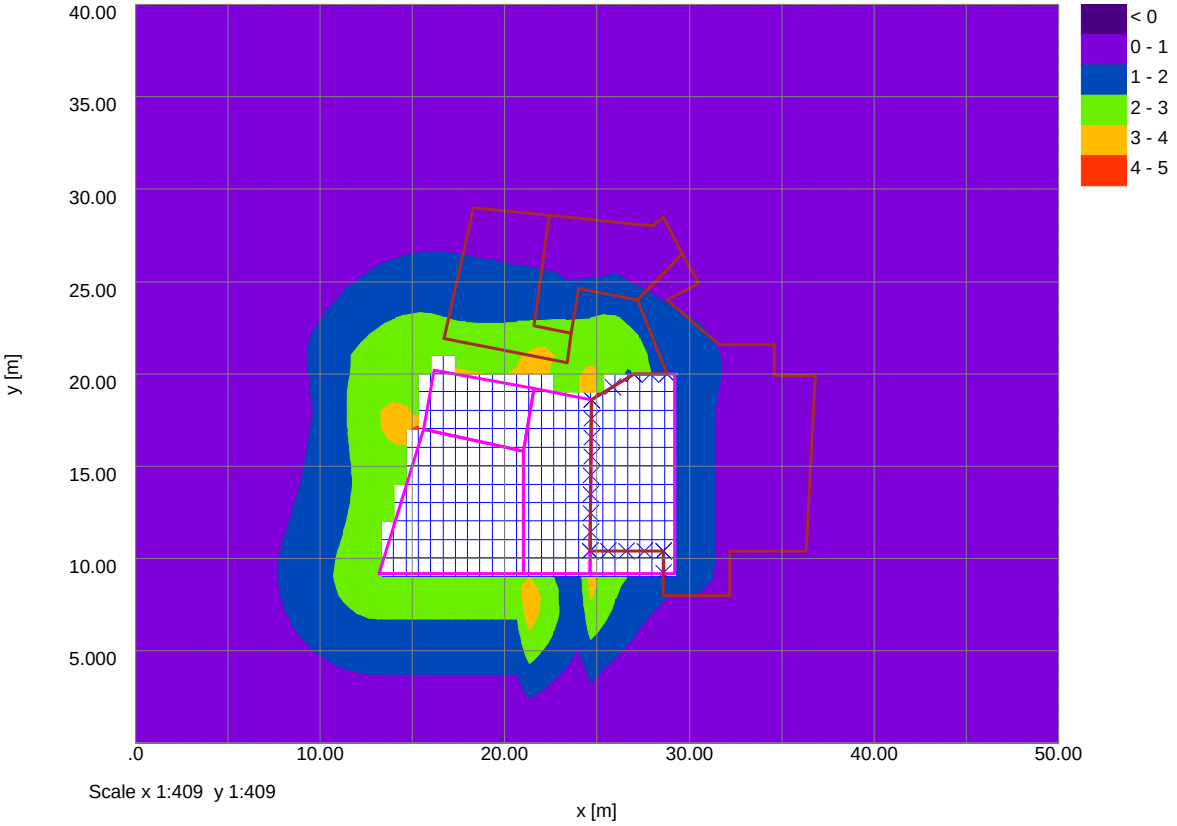


Vertical Settlement Contours: Grid 1 (level 105.000m) (Interval 1mm)



Horizontal Displacement Contours: Grid 1 (level 105.000m) Interval 1mm



Displacement and Strain Results

Type/No.		Coordinates			Displacements			Angle of Line		
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
Grid 1	Grid 1	0.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		0.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		1.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		2.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		2.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		3.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		4.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		4.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		5.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		6.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		6.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		7.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		8.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		8.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		9.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		10.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		10.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		11.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		12.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		12.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		13.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		14.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		14.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		15.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		16.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		16.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		17.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		18.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		18.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		19.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		20.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		20.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		21.33333	0.00000	105.00000	0.0	0.011742	0.62889	-	-	-
		22.00000	0.00000	105.00000	0.0	0.0	0.40667	-	-	-
		22.66667	0.00000	105.00000	0.0	0.0	0.18444	-	-	-
		23.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		24.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		24.66667	0.00000	105.00000	0.0	0.073759	0.72261	-	-	-
		25.33333	0.00000	105.00000	0.0	0.0	0.54870	-	-	-
		26.00000	0.00000	105.00000	0.0	0.0	0.37478	-	-	-
		26.66667	0.00000	105.00000	0.0	0.0	0.20087	-	-	-
		27.33333	0.00000	105.00000	0.0	0.0	0.026957	-	-	-
		28.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		28.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		29.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		30.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		30.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		31.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		32.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		32.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		33.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		34.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		34.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		35.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		36.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		36.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		37.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		38.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		38.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		39.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		40.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		40.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		41.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		43.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		45.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		47.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		49.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		50.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		0.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		0.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		1.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		2.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		2.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		3.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		4.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		4.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		5.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		6.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		6.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		7.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		8.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		8.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		9.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		10.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		10.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		11.33333	1.00000	105.00525	0.0048253	0.021197	0.0044791	-	-	-
		12.00000	1.00000	105.00525	0.0090577	0.061894	0.011288	-	-	-
		12.66667	1.00000	105.00525	0.0055747	0.085710	0.014955	-	-	-
		13.33333	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		14.00000	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		14.66667	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		15.33333	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		16.00000	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		16.66667	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		17.33333	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		18.00000	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		18.66667	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		19.33333	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		20.00000	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		20.66667	1.00000	105.00525	0.0	0.091667	0.015840	-	-	-
		21.33333	1.00000	105.00525	-0.0035376	0.27616	0.84398	-	-	-
		22.00000	1.00000	105.00525	-0.0079774	0.10639	0.61838	-	-	-
		22.66667	1.00000	105.00525	-0.0062167	0.030586	0.39045	-	-	-
		23.33333	1.00000	105.00525	0.0	0.0	0.16222	-	-	-
		24.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		24.66667	1.00000	105.00525	0.0	0.25264	0.92261	-	-	-
		25.33333	1.00000	105.00525	0.0	0.13535	0.74870	-	-	-
		26.00000	1.00000	105.00525	0.0	0.019887	0.57478	-	-	-
		26.66667	1.00000	105.00525	0.0	0.0	0.40087	-	-	-
		27.33333	1.00000	105.00525	0.0	0.0	0.22696	-	-	-
		28.00000	1.00000	105.00525	0.0	0.0	0.053043	-	-	-
		28.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		29.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		30.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	30.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	31.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	32.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	32.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	33.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	34.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	34.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	35.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	36.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	36.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	37.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	38.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	38.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	39.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	40.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	40.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	41.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	42.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	42.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	43.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	44.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	44.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	45.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	46.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	46.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	47.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	48.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	48.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	49.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	50.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	0.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	0.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	1.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	2.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	2.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	3.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	4.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	4.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	5.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	6.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	6.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	7.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	8.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	8.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	9.33333	2.00000	105.01050		0.047694	0.088809	0.017225	-	-
	10.00000	2.00000	105.01050		0.080674	0.18152	0.031183	-	-
	10.66667	2.00000	105.01050		0.093191	0.26486	0.042497	-	-
	11.33333	2.00000	105.01050		0.086746	0.33459	0.051831	-	-
	12.00000	2.00000	105.01050		0.064427	0.38656	0.058960	-	-
	12.66667	2.00000	105.01050		0.030910	0.41728	0.063296	-	-
	13.33333	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	14.00000	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	14.66667	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	15.33333	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	16.00000	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	16.66667	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	17.33333	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	18.00000	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	18.66667	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	19.33333	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	20.00000	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	20.66667	2.00000	105.01050		0.0	0.42500	0.064403	-	-
	21.33333	2.00000	105.01050		-0.018961	0.78309	1.0910	-	-
	22.00000	2.00000	105.01050		-0.050439	0.58266	0.86193	-	-
	22.66667	2.00000	105.01050		-0.069726	0.37149	0.63082	-	-
	23.33333	2.00000	105.01050		-0.074557	0.23006	0.39865	-	-
	24.00000	2.00000	105.01050		-0.064789	0.15549	0.16606	-	-
	24.66667	2.00000	105.01050		-0.041846	0.52238	1.1379	-	-
	25.33333	2.00000	105.01050		-0.0080580	0.33071	0.95187	-	-
	26.00000	2.00000	105.01050		0.0	0.19783	0.77478	-	-
	26.66667	2.00000	105.01050		0.0	0.081184	0.60087	-	-
	27.33333	2.00000	105.01050		0.0	0.0	0.42696	-	-
	28.00000	2.00000	105.01050		0.0	0.0	0.25304	-	-
	28.66667	2.00000	105.01050		0.0	0.0	0.079130	-	-
	29.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	30.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	30.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	31.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	32.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	32.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	33.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	34.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	34.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	35.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	36.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	36.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	37.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	38.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	38.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	39.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	40.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	40.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	41.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	42.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	42.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	43.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	44.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	44.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	45.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	46.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	46.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	47.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	48.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	48.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	49.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	50.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	0.00000	3.00000	105.01575		0.0	0.0	0.0	-	-
	0.66667	3.00000	105.01575		0.0	0.0	0.0	-	-
	1.33333	3.00000	105.01575		0.0	0.0	0.0	-	-
	2.00000	3.00000	105.01575		0.0	0.0	0.0	-	-
	2.66667	3.00000	105.01575		0.0	0.0	0.0	-	-
	3.33333	3.00000	105.01575		0.0	0.0	0.0	-	-
	4.00000	3.00000	105.01575		0.0	0.0	0.0	-	-
	4.66667	3.00000	105.01575		0.0	0.0	0.0	-	-
	5.33333	3.00000	105.01575		0.0	0.0	0.0	-	-
	6.00000	3.00000	105.01575		0.0	0.0	0.0	-	-
	6.66667	3.00000	105.01575		0.0	0.0	0.0	-	-
	7.33333	3.00000	105.01575		0.0	0.0	0.0	-	-
	8.00000	3.00000	105.01575		0.082046	0.097824	0.021196	-	-
	8.66667	3.00000	105.01575		0.15630	0.21376	0.040278	-	-
	9.33333	3.00000	105.01575		0.20604	0.33038	0.058556	-	-
	10.00000	3.00000	105.01575		0.22900	0.44369	0.077944	-	-
	10.66667	3.00000	105.01575		0.22410	0.54845	0.098225	-	-
	11.33333	3.00000	105.01575		0.19220	0.63839	0.11765	-	-
	12.00000	3.00000	105.01575		0.13681	0.70686	0.13366	-	-
	12.66667	3.00000	105.01575		0.064339	0.74794	0.14376	-	-
	13.33333	3.00000	105.01575		0.0	0.75833	0.14637	-	-
	14.00000	3.00000	105.01575		0.0	0.75833	0.14637	-	-
	14.66667	3.00000	105.01575		0.0	0.75833	0.14637	-	-
	15.33333	3.00000	105.01575		0.0	0.75833	0.14637	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	16.00000	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	16.66667	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	17.33333	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	18.00000	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	18.66667	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	19.33333	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	20.00000	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	20.66667	3.00000	105.01575		0.0	0.75833	0.14637	-	-	-
	21.33333	3.00000	105.01575		-0.039165	1.3001	1.3693	-	-	-
	22.00000	3.00000	105.01575		-0.10464	1.0566	1.1301	-	-	-
	22.66667	3.00000	105.01575		-0.14809	0.80158	0.88682	-	-	-
	23.33333	3.00000	105.01575		-0.16748	0.54476	0.64258	-	-	-
	24.00000	3.00000	105.01575		-0.16434	0.33964	0.39989	-	-	-
	24.66667	3.00000	105.01575		-0.14244	0.88352	1.5040	-	-	-
	25.33333	3.00000	105.01575		-0.10638	0.66398	1.2981	-	-	-
	26.00000	3.00000	105.01575		-0.060620	0.46004	1.0835	-	-	-
	26.66667	3.00000	105.01575		-0.0089782	0.27190	0.86144	-	-	-
	27.33333	3.00000	105.01575		0.0	0.14317	0.64519	-	-	-
	28.00000	3.00000	105.01575		0.0	0.027240	0.45304	-	-	-
	28.66667	3.00000	105.01575		0.0	0.0	0.27913	-	-	-
	29.33333	3.00000	105.01575		0.0	0.0	0.13780	-	-	-
	30.00000	3.00000	105.01575		0.0	0.0	0.11912	-	-	-
	30.66667	3.00000	105.01575		0.0	0.0	0.090135	-	-	-
	31.33333	3.00000	105.01575		0.0	0.0	0.054165	-	-	-
	32.00000	3.00000	105.01575		0.0	0.0	0.014170	-	-	-
	32.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	33.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	34.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	34.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	35.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	36.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	36.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	37.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	38.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	38.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	39.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	40.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	40.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	41.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	42.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	42.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	43.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	44.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	44.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	45.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	46.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	46.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	47.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	48.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	48.66667	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	49.33333	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	50.00000	3.00000	105.01575		0.0	0.0	0.0	-	-	-
	0.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	0.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	1.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	2.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	2.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	3.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	4.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	4.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	5.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	6.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	6.66667	4.00000	105.02100		0.032571	0.025924	0.0078663	-	-	-
	7.33333	4.00000	105.02100		0.15852	0.14051	0.032996	-	-	-
	8.00000	4.00000	105.02100		0.26424	0.26424	0.056095	-	-	-
	8.66667	4.00000	105.02100		0.34530	0.39607	0.083228	-	-	-
	9.33333	4.00000	105.02100		0.39680	0.53362	0.11716	-	-	-
	10.00000	4.00000	105.02100		0.41391	0.67260	0.15757	-	-	-
	10.66667	4.00000	105.02100		0.39282	0.80631	0.20145	-	-	-
	11.33333	4.00000	105.02100		0.33225	0.92554	0.24382	-	-	-
	12.00000	4.00000	105.02100		0.23523	1.0193	0.27877	-	-	-
	12.66667	4.00000	105.02100		0.11045	1.0769	0.30078	-	-	-
	13.33333	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	14.00000	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	14.66667	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	15.33333	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	16.00000	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	16.66667	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	17.33333	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	18.00000	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	18.66667	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	19.33333	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	20.00000	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	20.66667	4.00000	105.02100		0.0	1.0917	0.30646	-	-	-
	21.33333	4.00000	105.02100		-0.066771	1.8318	1.7207	-	-	-
	22.00000	4.00000	105.02100		-0.17595	1.5290	1.4589	-	-	-
	22.66667	4.00000	105.02100		-0.24613	1.2128	1.1894	-	-	-
	23.33333	4.00000	105.02100		-0.27705	0.90075	0.91918	-	-	-
	24.00000	4.00000	105.02100		-0.27456	0.60554	0.65374	-	-	-
	24.66667	4.00000	105.02100		-0.24710	1.2167	1.9381	-	-	-
	25.33333	4.00000	105.02100		-0.20305	0.96953	1.7005	-	-	-
	26.00000	4.00000	105.02100		-0.14932	0.74463	1.4593	-	-	-
	26.66667	4.00000	105.02100		-0.091016	0.54062	1.2173	-	-	-
	27.33333	4.00000	105.02100		-0.031617	0.35551	0.97547	-	-	-
	28.00000	4.00000	105.02100		0.0	0.20688	0.73946	-	-	-
	28.66667	4.00000	105.02100		0.0	0.088734	0.51345	-	-	-
	29.33333	4.00000	105.02100		0.0	0.0	0.33411	-	-	-
	30.00000	4.00000	105.02100		0.0	0.0	0.29591	-	-	-
	30.66667	4.00000	105.02100		0.0	0.0	0.24702	-	-	-
	31.33333	4.00000	105.02100		0.0	0.0	0.19246	-	-	-
	32.00000	4.00000	105.02100		0.0	0.0	0.13630	-	-	-
	32.66667	4.00000	105.02100		0.0	0.0	0.081384	-	-	-
	33.33333	4.00000	105.02100		0.0	0.0	0.029467	-	-	-
	34.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	34.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	35.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	36.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	36.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	37.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	38.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	38.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	39.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	40.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	40.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	41.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	42.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	42.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	43.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	44.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	44.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	45.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	46.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	46.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	47.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	48.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	48.66667	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	49.33333	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	50.00000	4.00000	105.02100		0.0	0.0	0.0	-	-	-
	0.00000	5.00000	105.02625		0.0	0.0	0.0	-	-	-
	0.66667	5.00000	105.02625		0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	1.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	2.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	2.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	3.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	4.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	4.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	5.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	6.00000	5.00000	105.02625		0.040175	0.023436	0.0086773	-	-
	6.66667	5.00000	105.02625		0.19855	0.12764	0.036316	-	-
	7.33333	5.00000	105.02625		0.34148	0.24447	0.063554	-	-
	8.00000	5.00000	105.02625		0.46435	0.37505	0.099296	-	-
	8.66667	5.00000	105.02625		0.56120	0.51994	0.14870	-	-
	9.33333	5.00000	105.02625		0.62451	0.67835	0.21310	-	-
	10.00000	5.00000	105.02625		0.64541	0.84709	0.28998	-	-
	10.66667	5.00000	105.02625		0.61465	1.0190	0.37320	-	-
	11.33333	5.00000	105.02625		0.52512	1.1815	0.45353	-	-
	12.00000	5.00000	105.02625		0.37609	1.3163	0.52001	-	-
	12.66667	5.00000	105.02625		0.17809	1.4025	0.56205	-	-
	13.33333	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	14.00000	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	14.66667	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	15.33333	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	16.00000	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	16.66667	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	17.33333	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	18.00000	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	18.66667	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	19.33333	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	20.00000	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	20.66667	5.00000	105.02625		0.0	1.4250	0.57295	-	-
	21.33333	5.00000	105.02625		-0.10673	2.3805	2.1689	-	-
	22.00000	5.00000	105.02625		-0.27323	1.9938	1.8626	-	-
	22.66667	5.00000	105.02625		-0.36945	1.5937	1.5455	-	-
	23.33333	5.00000	105.02625		-0.40235	1.2106	1.2318	-	-
	24.00000	5.00000	105.02625		-0.38850	0.86244	0.93041	-	-
	24.66667	5.00000	105.02625		-0.34798	1.6864	2.3847	-	-
	25.33333	5.00000	105.02625		-0.31132	1.3878	2.0992	-	-
	26.00000	5.00000	105.02625		-0.25444	1.1059	1.8174	-	-
	26.66667	5.00000	105.02625		-0.18212	0.84661	1.5443	-	-
	27.33333	5.00000	105.02625		-0.10088	0.61273	1.2815	-	-
	28.00000	5.00000	105.02625		-0.030649	0.42114	1.0279	-	-
	28.66667	5.00000	105.02625		0.0	0.27425	0.78597	-	-
	29.33333	5.00000	105.02625		-0.0056605	0.17831	0.58215	-	-
	30.00000	5.00000	105.02625		-0.033366	0.17517	0.47250	-	-
	30.66667	5.00000	105.02625		-0.050779	0.14541	0.39319	-	-
	31.33333	5.00000	105.02625		-0.047287	0.093096	0.31392	-	-
	32.00000	5.00000	105.02625		-0.016870	0.025304	0.23461	-	-
	32.66667	5.00000	105.02625		0.0	0.0	0.16307	-	-
	33.33333	5.00000	105.02625		0.0	0.0	0.10175	-	-
	34.00000	5.00000	105.02625		0.0	0.0	0.047768	-	-
	34.66667	5.00000	105.02625		0.0	0.0	517.35E-6	-	-
	35.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	36.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	36.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	37.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	38.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	38.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	39.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	40.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	40.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	41.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	42.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	42.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	43.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	44.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	44.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	45.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	46.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	46.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	47.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	48.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	48.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	49.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	50.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	0.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	0.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	1.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	2.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	2.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	3.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	4.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	4.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	5.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	6.00000	6.00000	105.03150		0.18152	0.080674	0.031183	-	-
	6.66667	6.00000	105.03150		0.35925	0.17596	0.060268	-	-
	7.33333	6.00000	105.03150		0.52450	0.28609	0.099431	-	-
	8.00000	6.00000	105.03150		0.67260	0.41391	0.15757	-	-
	8.66667	6.00000	105.03150		0.79682	0.56246	0.23961	-	-
	9.33333	6.00000	105.03150		0.88748	0.73446	0.34623	-	-
	10.00000	6.00000	105.03150		0.93091	0.93091	0.47347	-	-
	10.66667	6.00000	105.03150		0.90904	1.1483	0.61234	-	-
	11.33333	6.00000	105.03150		0.80121	1.3735	0.74864	-	-
	12.00000	6.00000	105.03150		0.59192	1.5785	0.86386	-	-
	12.66667	6.00000	105.03150		0.28665	1.7199	0.93819	-	-
	13.33333	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	14.00000	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	14.66667	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	15.33333	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	16.00000	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	16.66667	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	17.33333	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	18.00000	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	18.66667	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	19.33333	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	20.00000	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	20.66667	6.00000	105.03150		0.0	1.7583	0.95766	-	-
	21.33333	6.00000	105.03150		-0.16958	2.9430	2.7161	-	-
	22.00000	6.00000	105.03150		-0.41109	2.4280	2.3261	-	-
	22.66667	6.00000	105.03150		-0.52032	1.9133	1.9304	-	-
	23.33333	6.00000	105.03150		-0.53101	1.4497	1.5541	-	-
	24.00000	6.00000	105.03150		-0.48520	1.0531	1.2078	-	-
	24.66667	6.00000	105.03150		-0.42168	2.1334	2.8273	-	-
	25.33333	6.00000	105.03150		-0.40374	1.7877	2.4766	-	-
	26.00000	6.00000	105.03150		-0.35088	1.4607	2.1412	-	-
	26.66667	6.00000	105.03150		-0.27275	1.1673	1.8293	-	-
	27.33333	6.00000	105.03150		-0.18409	0.91114	1.5423	-	-
	28.00000	6.00000	105.03150		-0.095805	0.68809	1.2767	-	-
	28.66667	6.00000	105.03150		-0.013242	0.49173	1.0268	-	-
	29.33333	6.00000	105.03150		-0.015935	0.38244	0.81345	-	-
	30.00000	6.00000	105.03150		-0.096263	0.38505	0.67520	-	-
	30.66667	6.00000	105.03150		-0.15619	0.34077	0.52768	-	-
	31.33333	6.00000	105.03150		-0.17638	0.26457	0.41313	-	-
	32.00000	6.00000	105.03150		-0.15204	0.17376	0.30927	-	-
	32.66667	6.00000	105.03150		-0.087317	0.080601	0.21936	-	-
	33.33333	6.00000	105.03150		0.0	0.0	0.14031	-	-
	34.00000	6.00000	105.03150		0.0	0.0	0.084683	-	-
	34.66667	6.00000	105.03150		0.0	0.0	0.038139	-	-
	35.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	36.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	36.66667	6.00000	105.03150		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	37.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	38.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	38.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	39.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	40.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	40.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	41.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	42.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	42.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	43.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	44.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	44.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	45.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	46.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	46.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	47.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	48.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	48.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	49.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	50.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	0.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	0.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	1.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	2.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	2.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	3.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	4.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	4.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	5.33333	7.00000	105.03675		0.098390	0.027516	0.017430	-	-
	6.00000	7.00000	105.03675		0.30169	0.092184	0.047411	-	-
	6.66667	7.00000	105.03675		0.49951	0.16820	0.083564	-	-
	7.33333	7.00000	105.03675		0.68957	0.25859	0.13900	-	-
	8.00000	7.00000	105.03675		0.86840	0.36740	0.22318	-	-
	8.66667	7.00000	105.03675		1.0304	0.50006	0.34168	-	-
	9.33333	7.00000	105.03675		1.1665	0.66370	0.49580	-	-
	10.00000	7.00000	105.03675		1.2613	0.86711	0.68188	-	-
	10.66667	7.00000	105.03675		1.2885	1.1190	0.89017	-	-
	11.33333	7.00000	105.03675		1.2055	1.4208	1.1029	-	-
	12.00000	7.00000	105.03675		0.95276	1.7467	1.2924	-	-
	12.66667	7.00000	105.03675		0.48779	2.0121	1.4212	-	-
	13.33333	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	14.00000	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	14.66667	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	15.33333	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	16.00000	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	16.66667	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	17.33333	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	18.00000	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	18.66667	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	19.33333	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	20.00000	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	20.66667	7.00000	105.03675		0.0	2.0917	1.4560	-	-
	21.33333	7.00000	105.03675		-0.28221	3.4975	3.3331	-	-
	22.00000	7.00000	105.03675		-0.60870	2.7601	2.7822	-	-
	22.66667	7.00000	105.03675		-0.67555	2.1011	2.2679	-	-
	23.33333	7.00000	105.03675		-0.61491	1.5808	1.8216	-	-
	24.00000	7.00000	105.03675		-0.51484	1.1745	1.4392	-	-
	24.66667	7.00000	105.03675		-0.43127	2.5791	3.2329	-	-
	25.33333	7.00000	105.03675		-0.46856	2.1622	2.7909	-	-
	26.00000	7.00000	105.03675		-0.41788	1.7727	2.3887	-	-
	26.66667	7.00000	105.03675		-0.32273	1.4498	2.0399	-	-
	27.33333	7.00000	105.03675		-0.22211	1.1859	1.7377	-	-
	28.00000	7.00000	105.03675		-0.13200	0.96222	1.4700	-	-
	28.66667	7.00000	105.03675		-0.055387	0.76468	1.2255	-	-
	29.33333	7.00000	105.03675		-0.038200	0.63030	1.0129	-	-
	30.00000	7.00000	105.03675		-0.22606	0.62167	0.85583	-	-
	30.66667	7.00000	105.03675		-0.35010	0.52514	0.67340	-	-
	31.33333	7.00000	105.03675		-0.38408	0.39608	0.49473	-	-
	32.00000	7.00000	105.03675		-0.34369	0.27004	0.35151	-	-
	32.66667	7.00000	105.03675		-0.25137	0.15952	0.23874	-	-
	33.33333	7.00000	105.03675		-0.12401	0.066005	0.15528	-	-
	34.00000	7.00000	105.03675		0.0	0.0	0.088637	-	-
	34.66667	7.00000	105.03675		0.0	0.0	0.049068	-	-
	35.33333	7.00000	105.03675		0.0	0.0	0.016840	-	-
	36.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	36.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	37.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	38.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	38.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	39.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	40.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	40.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	41.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	42.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	42.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	43.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	45.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	47.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	49.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	50.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	0.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	0.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	1.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	2.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	2.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	3.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	4.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	4.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	5.33333	8.00000	105.04200		0.17047	0.026004	0.027556	-	-
	6.00000	8.00000	105.04200		0.38656	0.064427	0.058960	-	-
	6.66667	8.00000	105.04200		0.60074	0.11034	0.10273	-	-
	7.33333	8.00000	105.04200		0.81214	0.16612	0.17257	-	-
	8.00000	8.00000	105.04200		1.0193	0.23523	0.27877	-	-
	8.66667	8.00000	105.04200		1.2198	0.32290	0.42809	-	-
	9.33333	8.00000	105.04200		1.4092	0.43733	0.62353	-	-
	10.00000	8.00000	105.04200		1.5785	0.59192	0.86386	-	-
	10.66667	8.00000	105.04200		1.7086	0.80934	1.1426	-	-
	11.33333	8.00000	105.04200		1.7541	1.1276	1.4455	-	-
	12.00000	8.00000	105.04200		1.5976	1.5976	1.7436	-	-
	12.66667	8.00000	105.04200		0.96956	2.1815	1.9764	-	-
	13.33333	8.00000	105.04200		0.0	2.4250	2.0472	-	-
	14.00000	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	14.66667	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	15.33333	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	16.00000	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	16.66667	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	17.33333	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	18.00000	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	18.66667	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	19.33333	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	20.00000	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	20.66667	8.00000	105.04200		0.0	2.4250	2.0469	-	-
	21.33333	8.00000	105.04200		-0.53373	3.9233	3.8992	-	-
	22.00000	8.00000	105.04200		-0.82274	2.7669	3.0241	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	22.66667	8.00000	105.04200	-0.69006	2.0550	2.3952	-	-	-
	23.33333	8.00000	105.04200	-0.52450	1.6076	1.9347	-	-	-
	24.00000	8.00000	105.04200	-0.39314	1.2763	1.5687	-	-	-
	24.66667	8.00000	105.04200	-0.34391	3.0813	3.5609	-	-	-
	25.33333	8.00000	105.04200	-0.50878	2.4553	2.9440	-	-	-
	26.00000	8.00000	105.04200	-0.40612	1.9959	2.4750	-	-	-
	26.66667	8.00000	105.04200	-0.27848	1.6933	2.1255	-	-	-
	27.33333	8.00000	105.04200	-0.17943	1.4609	1.8436	-	-	-
	28.00000	8.00000	105.04200	-0.10653	1.2589	1.5994	-	-	-
	28.66667	8.00000	105.04200	-0.051869	1.0716	1.3770	-	-	-
	29.33333	8.00000	105.04200	-0.11428	0.94613	1.1881	-	-	-
	30.00000	8.00000	105.04200	-0.55092	0.82637	1.0322	-	-	-
	30.66667	8.00000	105.04200	-0.71455	0.58463	0.79834	-	-	-
	31.33333	8.00000	105.04200	-0.69113	0.38876	0.55399	-	-	-
	32.00000	8.00000	105.04200	-0.58118	0.24908	0.35875	-	-	-
	32.66667	8.00000	105.04200	-0.42964	0.14872	0.21888	-	-	-
	33.33333	8.00000	105.04200	-0.25570	0.074237	0.13014	-	-	-
	34.00000	8.00000	105.04200	-0.068220	0.017055	0.071548	-	-	-
	34.66667	8.00000	105.04200	0.0	0.0	0.035854	-	-	-
	35.33333	8.00000	105.04200	0.0	0.0	0.016000	-	-	-
	36.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	36.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	37.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	38.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	38.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	39.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	40.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	40.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	41.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	42.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	42.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	43.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	44.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	44.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	45.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	46.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	46.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	47.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	48.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	48.66667	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	49.33333	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	50.00000	8.00000	105.04200	0.0	0.0	0.0	-	-	-
	0.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	0.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	1.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	2.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	2.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	3.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	4.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	4.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	5.33333	9.00000	105.04725	0.20187	0.0051322	0.031636	-	-	-
	6.00000	9.00000	105.04725	0.42391	0.011775	0.064246	-	-	-
	6.66667	9.00000	105.04725	0.64590	0.019772	0.11196	-	-	-
	7.33333	9.00000	105.04725	0.86780	0.029584	0.18883	-	-	-
	8.00000	9.00000	105.04725	1.0896	0.041907	0.30566	-	-	-
	8.66667	9.00000	105.04725	1.3111	0.057845	0.46997	-	-	-
	9.33333	9.00000	105.04725	1.5323	0.079259	0.68605	-	-	-
	10.00000	9.00000	105.04725	1.7528	0.10955	0.95489	-	-	-
	10.66667	9.00000	105.04725	1.9718	0.15567	1.2741	-	-	-
	11.33333	9.00000	105.04725	2.1867	0.23429	1.6484	-	-	-
	12.00000	9.00000	105.04725	2.3866	0.39776	2.0521	-	-	-
	12.66667	9.00000	105.04725	2.4674	0.92526	2.4653	-	-	-
	13.33333	9.00000	105.04725	0.0	2.7583	2.7007	-	-	-
	14.00000	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	14.66667	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	15.33333	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	16.00000	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	16.66667	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	17.33333	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	18.00000	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	18.66667	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	19.33333	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	20.00000	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	20.66667	9.00000	105.04725	0.0	2.7583	2.6929	-	-	-
	21.33333	9.00000	105.04725	-0.79519	2.8998	3.3127	-	-	-
	22.00000	9.00000	105.04725	-0.30622	2.2578	2.4782	-	-	-
	22.66667	9.00000	105.04725	-0.17102	1.9909	2.1178	-	-	-
	23.33333	9.00000	105.04725	-0.11088	1.7538	1.8373	-	-	-
	24.00000	9.00000	105.04725	-0.077076	1.5234	1.5843	-	-	-
	24.66667	9.00000	105.04725	-0.38431	3.5076	3.6110	-	-	-
	25.33333	9.00000	105.04725	-0.21183	2.3897	2.5654	-	-	-
	26.00000	9.00000	105.04725	-0.10039	2.1754	2.2760	-	-	-
	26.66667	9.00000	105.04725	-0.056696	1.9913	2.0589	-	-	-
	27.33333	9.00000	105.04725	-0.033493	1.8120	1.8629	-	-	-
	28.00000	9.00000	105.04725	-0.019140	1.6341	1.6760	-	-	-
	28.66667	9.00000	105.04725	-0.0093843	1.4567	1.4938	-	-	-
	29.33333	9.00000	105.04725	-0.79404	1.1877	1.4287	-	-	-
	30.00000	9.00000	105.04725	-1.3477	0.33694	1.2013	-	-	-
	30.66667	9.00000	105.04725	-1.1860	0.16173	0.84087	-	-	-
	31.33333	9.00000	105.04725	-0.98402	0.092252	0.53143	-	-	-
	32.00000	9.00000	105.04725	-0.77259	0.055185	0.30135	-	-	-
	32.66667	9.00000	105.04725	-0.55745	0.032160	0.15257	-	-	-
	33.33333	9.00000	105.04725	-0.34034	0.016468	0.071471	-	-	-
	34.00000	9.00000	105.04725	-0.12199	0.0050828	0.029959	-	-	-
	34.66667	9.00000	105.04725	0.0	0.0	0.0066567	-	-	-
	35.33333	9.00000	105.04725	0.0	0.0	0.0031684	-	-	-
	36.00000	9.00000	105.04725	0.0	0.0	363.37E-6	-	-	-
	36.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	37.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	38.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	38.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	39.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	40.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	40.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	41.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	42.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	42.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	43.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	45.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	47.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	49.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	50.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	0.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	0.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	1.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	2.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	2.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	3.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	4.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	4.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	5.33333	10.00000	105.05250	0.18828	-0.019147	0.029889	-	-	-
	6.00000	10.00000	105.05250	0.40772	-0.045302	0.061935	-	-	-
	6.66667	10.00000	105.05250	0.62628	-0.076687	0.10790	-	-	-
	7.33333	10.00000	105.05250	0.84354	-0.11503	0.18167	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	8.00000	10.00000	105.05250		1.0588	-0.16289	0.20382	-	-
	8.66667	10.00000	105.05250		1.2709	-0.22428	0.45152	-	-
	9.33333	10.00000	105.05250		1.4775	-0.30569	0.65845	-	-
	10.00000	10.00000	105.05250		1.6740	-0.41850	0.93800	-	-
	10.66667	10.00000	105.05250		1.8537	-0.57037	1.2563	-	-
	11.33333	10.00000	105.05250		2.0567	-0.63283	1.6064	-	-
	12.00000	10.00000	105.05250		2.2597	-0.69530	1.9834	-	-
	12.66667	10.00000	105.05250		2.4627	-0.75776	2.3779	-	-
	13.33333	10.00000	105.05250		2.6657	-0.82022	2.7781	-	-
	14.00000	10.00000	105.05250			Point lies within an excavation.			
	14.66667	10.00000	105.05250			Point lies within an excavation.			
	15.33333	10.00000	105.05250			Point lies within an excavation.			
	16.00000	10.00000	105.05250			Point lies within an excavation.			
	16.66667	10.00000	105.05250			Point lies within an excavation.			
	17.33333	10.00000	105.05250			Point lies within an excavation.			
	18.00000	10.00000	105.05250			Point lies within an excavation.			
	18.66667	10.00000	105.05250			Point lies within an excavation.			
	19.33333	10.00000	105.05250			Point lies within an excavation.			
	20.00000	10.00000	105.05250			Point lies within an excavation.			
	20.66667	10.00000	105.05250			Point lies within an excavation.			
	21.33333	10.00000	105.05250			Point lies within an excavation.			
	22.00000	10.00000	105.05250			Point lies within an excavation.			
	22.66667	10.00000	105.05250			Point lies within an excavation.			
	23.33333	10.00000	105.05250			Point lies within an excavation.			
	24.00000	10.00000	105.05250			Point lies within an excavation.			
	24.66667	10.00000	105.05250			Point lies within an excavation.			
	25.33333	10.00000	105.05250			Point lies within an excavation.			
	26.00000	10.00000	105.05250			Point lies within an excavation.			
	26.66667	10.00000	105.05250			Point lies within an excavation.			
	27.33333	10.00000	105.05250			Point lies within an excavation.			
	28.00000	10.00000	105.05250			Point lies within an excavation.			
	28.66667	10.00000	105.05250			Point lies within an excavation.			
	29.33333	10.00000	105.05250		-1.6806	0.0	1.6370	-	-
	30.00000	10.00000	105.05250		-1.4583	0.0	1.2080	-	-
	30.66667	10.00000	105.05250		-1.2361	0.0	0.82250	-	-
	31.33333	10.00000	105.05250		-1.0139	0.0	0.50825	-	-
	32.00000	10.00000	105.05250		-0.79167	0.0	0.27875	-	-
	32.66667	10.00000	105.05250		-0.56944	0.0	0.13320	-	-
	33.33333	10.00000	105.05250		-0.34722	0.0	0.056566	-	-
	34.00000	10.00000	105.05250		-0.12500	0.0	0.019551	-	-
	34.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	35.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	36.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	36.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	37.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	38.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	38.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	39.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	40.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	40.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	41.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	42.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	42.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	43.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	44.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	44.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	45.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	46.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	46.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	47.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	48.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	48.66667	10.00000	105.05250		0.0	0.0	0.0	-	-
	49.33333	10.00000	105.05250		0.0	0.0	0.0	-	-
	50.00000	10.00000	105.05250		0.0	0.0	0.0	-	-
	0.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	0.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	1.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	2.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	2.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	3.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	4.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	4.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	5.33333	11.00000	105.05775		0.13161	-0.030114	0.022257	-	-
	6.00000	11.00000	105.05775		0.34065	-0.085163	0.052652	-	-
	6.66667	11.00000	105.05775		0.54575	-0.15036	0.092054	-	-
	7.33333	11.00000	105.05775		0.74518	-0.22864	0.15382	-	-
	8.00000	11.00000	105.05775		0.94800	-0.29169	0.24834	-	-
	8.66667	11.00000	105.05775		1.1510	-0.35416	0.39951	-	-
	9.33333	11.00000	105.05775		1.3540	-0.41662	0.61722	-	-
	10.00000	11.00000	105.05775		1.5570	-0.47908	0.87415	-	-
	10.66667	11.00000	105.05775		1.7600	-0.54154	1.1691	-	-
	11.33333	11.00000	105.05775		1.9630	-0.60401	1.4981	-	-
	12.00000	11.00000	105.05775		2.1666	-0.66555	1.8548	-	-
	12.66667	11.00000	105.05775		2.3732	-0.72048	2.2307	-	-
	13.33333	11.00000	105.05775		2.5756	-0.78200	2.6150	-	-
	14.00000	11.00000	105.05775			Point lies within an excavation.			
	14.66667	11.00000	105.05775			Point lies within an excavation.			
	15.33333	11.00000	105.05775			Point lies within an excavation.			
	16.00000	11.00000	105.05775			Point lies within an excavation.			
	16.66667	11.00000	105.05775			Point lies within an excavation.			
	17.33333	11.00000	105.05775			Point lies within an excavation.			
	18.00000	11.00000	105.05775			Point lies within an excavation.			
	18.66667	11.00000	105.05775			Point lies within an excavation.			
	19.33333	11.00000	105.05775			Point lies within an excavation.			
	20.00000	11.00000	105.05775			Point lies within an excavation.			
	20.66667	11.00000	105.05775			Point lies within an excavation.			
	21.33333	11.00000	105.05775			Point lies within an excavation.			
	22.00000	11.00000	105.05775			Point lies within an excavation.			
	22.66667	11.00000	105.05775			Point lies within an excavation.			
	23.33333	11.00000	105.05775			Point lies within an excavation.			
	24.00000	11.00000	105.05775			Point lies within an excavation.			
	24.66667	11.00000	105.05775			Point lies within an excavation.			
	25.33333	11.00000	105.05775			Point lies within an excavation.			
	26.00000	11.00000	105.05775			Point lies within an excavation.			
	26.66667	11.00000	105.05775			Point lies within an excavation.			
	27.33333	11.00000	105.05775			Point lies within an excavation.			
	28.00000	11.00000	105.05775			Point lies within an excavation.			
	28.66667	11.00000	105.05775			Point lies within an excavation.			
	29.33333	11.00000	105.05775		-1.6806	0.0	1.6370	-	-
	30.00000	11.00000	105.05775		-1.4583	0.0	1.2080	-	-
	30.66667	11.00000	105.05775		-1.2361	0.0	0.82250	-	-
	31.33333	11.00000	105.05775		-1.0139	0.0	0.50825	-	-
	32.00000	11.00000	105.05775		-0.79167	0.0	0.27875	-	-
	32.66667	11.00000	105.05775		-0.56944	0.0	0.13320	-	-
	33.33333	11.00000	105.05775		-0.34722	0.0	0.056566	-	-
	34.00000	11.00000	105.05775		-0.12500	0.0	0.019551	-	-
	34.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	35.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	36.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	36.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	37.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	38.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	38.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	39.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	40.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	40.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	41.33333	11.00000	105.05775		0.0	0.0	0.0	-	-
	42.00000	11.00000	105.05775		0.0	0.0	0.0	-	-
	42.66667	11.00000	105.05775		0.0	0.0	0.0	-	-
	43.33333	11.00000	105.05775		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line		
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	x Axis
	44.00000	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	44.66667	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	45.33333	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	46.00000	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	46.66667	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	47.33333	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	48.00000	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	48.66667	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	49.33333	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	50.00000	11.00000	105.05775		0.0	0.0	0.0	-	-	-
	0.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	0.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	1.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	2.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	2.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	3.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	4.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	4.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	5.33333	12.00000	105.06300		0.042298	-0.013015	0.0083036	-	-	-
	6.00000	12.00000	105.06300		0.24530	-0.075477	0.039150	-	-	-
	6.66667	12.00000	105.06300		0.44830	-0.13794	0.072185	-	-	-
	7.33333	12.00000	105.06300		0.65131	-0.20040	0.12189	-	-	-
	8.00000	12.00000	105.06300		0.85431	-0.26286	0.22638	-	-	-
	8.66667	12.00000	105.06300		1.0573	-0.32533	0.39255	-	-	-
	9.33333	12.00000	105.06300		1.2603	-0.38779	0.59387	-	-	-
	10.00000	12.00000	105.06300		1.4633	-0.45025	0.83259	-	-	-
	10.66667	12.00000	105.06300		1.6663	-0.51271	1.1081	-	-	-
	11.33333	12.00000	105.06300		1.8858	-0.55587	1.4170	-	-	-
	12.00000	12.00000	105.06300		2.0960	-0.60478	1.7533	-	-	-
	12.66667	12.00000	105.06300		2.2979	-0.66161	2.1086	-	-	-
	13.33333	12.00000	105.06300		2.4938	-0.72855	2.4728	-	-	-
	14.00000	12.00000	105.06300		2.6872	-0.80678	2.8343	-	-	-
	14.66667	12.00000	105.06300		Point lies within an excavation.					
	15.33333	12.00000	105.06300		Point lies within an excavation.					
	16.00000	12.00000	105.06300		Point lies within an excavation.					
	16.66667	12.00000	105.06300		Point lies within an excavation.					
	17.33333	12.00000	105.06300		Point lies within an excavation.					
	18.00000	12.00000	105.06300		Point lies within an excavation.					
	18.66667	12.00000	105.06300		Point lies within an excavation.					
	19.33333	12.00000	105.06300		Point lies within an excavation.					
	20.00000	12.00000	105.06300		Point lies within an excavation.					
	20.66667	12.00000	105.06300		Point lies within an excavation.					
	21.33333	12.00000	105.06300		Point lies within an excavation.					
	22.00000	12.00000	105.06300		Point lies within an excavation.					
	22.66667	12.00000	105.06300		Point lies within an excavation.					
	23.33333	12.00000	105.06300		Point lies within an excavation.					
	24.00000	12.00000	105.06300		Point lies within an excavation.					
	24.66667	12.00000	105.06300		Point lies within an excavation.					
	25.33333	12.00000	105.06300		Point lies within an excavation.					
	26.00000	12.00000	105.06300		Point lies within an excavation.					
	26.66667	12.00000	105.06300		Point lies within an excavation.					
	27.33333	12.00000	105.06300		Point lies within an excavation.					
	28.00000	12.00000	105.06300		Point lies within an excavation.					
	28.66667	12.00000	105.06300		Point lies within an excavation.					
	29.33333	12.00000	105.06300		-1.6806	0.0	1.6370	-	-	-
	30.00000	12.00000	105.06300		-1.4583	0.0	1.2080	-	-	-
	30.66667	12.00000	105.06300		-1.2361	0.0	0.82250	-	-	-
	31.33333	12.00000	105.06300		-1.0139	0.0	0.50825	-	-	-
	32.00000	12.00000	105.06300		-0.79167	0.0	0.27875	-	-	-
	32.66667	12.00000	105.06300		-0.56944	0.0	0.13320	-	-	-
	33.33333	12.00000	105.06300		-0.34722	0.0	0.056566	-	-	-
	34.00000	12.00000	105.06300		-0.12500	0.0	0.019551	-	-	-
	34.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	35.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	36.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	36.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	37.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	38.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	38.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	39.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	40.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	40.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	41.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	42.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	42.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	43.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	44.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	44.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	45.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	46.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	46.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	47.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	48.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	48.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	49.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	50.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	0.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	0.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	1.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	2.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	2.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	3.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	4.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	4.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	5.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	6.00000	13.00000	105.06825		0.15161	-0.046648	0.025619	-	-	-
	6.66667	13.00000	105.06825		0.35461	-0.10911	0.055680	-	-	-
	7.33333	13.00000	105.06825		0.55761	-0.17157	0.11676	-	-	-
	8.00000	13.00000	105.06825		0.76062	-0.23404	0.24690	-	-	-
	8.66667	13.00000	105.06825		0.96362	-0.29650	0.40337	-	-	-
	9.33333	13.00000	105.06825		1.1666	-0.35896	0.59229	-	-	-
	10.00000	13.00000	105.06825		1.3795	-0.41438	0.81671	-	-	-
	10.66667	13.00000	105.06825		1.6131	-0.45106	1.0766	-	-	-
	11.33333	13.00000	105.06825		1.8355	-0.49026	1.3687	-	-	-
	12.00000	13.00000	105.06825		2.0453	-0.53472	1.6869	-	-	-
	12.66667	13.00000	105.06825		2.2423	-0.58061	2.0221	-	-	-
	13.33333	13.00000	105.06825		2.4280	-0.65729	2.3634	-	-	-
	14.00000	13.00000	105.06825		2.6079	-0.74567	2.6989	-	-	-
	14.66667	13.00000	105.06825		Point lies within an excavation.					
	15.33333	13.00000	105.06825		Point lies within an excavation.					
	16.00000	13.00000	105.06825		Point lies within an excavation.					
	16.66667	13.00000	105.06825		Point lies within an excavation.					
	17.33333	13.00000	105.06825		Point lies within an excavation.					
	18.00000	13.00000	105.06825		Point lies within an excavation.					
	18.66667	13.00000	105.06825		Point lies within an excavation.					
	19.33333	13.00000	105.06825		Point lies within an excavation.					
	20.00000	13.00000	105.06825		Point lies within an excavation.					
	20.66667	13.00000	105.06825		Point lies within an excavation.					
	21.33333	13.00000	105.06825		Point lies within an excavation.					
	22.00000	13.00000	105.06825		Point lies within an excavation.					
	22.66667	13.00000	105.06825		Point lies within an excavation.					
	23.33333	13.00000	105.06825		Point lies within an excavation.					
	24.00000	13.00000	105.06825		Point lies within an excavation.					
	24.66667	13.00000	105.06825		Point lies within an excavation.					
	25.33333	13.00000	105.06825		Point lies within an excavation.					
	26.00000	13.00000	105.06825		Point lies within an excavation.					
	26.66667	13.00000	105.06825		Point lies within an excavation.					
	27.33333	13.00000	105.06825		Point lies within an excavation.					
	28.00000	13.00000	105.06825		Point lies within an excavation.					
	28.66667	13.00000	105.06825		Point lies within an excavation.					

Type/No.		Coordinates			Displacements			Angle of Line		
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	x Axis
	29.33333	13.00000	105.06825	-1.6806	0.0	1.6370	-	-	-	
	30.00000	13.00000	105.06825	-1.4583	0.0	1.2080	-	-	-	
	30.66667	13.00000	105.06825	-1.2361	0.0	0.82250	-	-	-	
	31.33333	13.00000	105.06825	-1.0139	0.0	0.50825	-	-	-	
	32.00000	13.00000	105.06825	-0.79167	0.0	0.27875	-	-	-	
	32.66667	13.00000	105.06825	-0.56944	0.0	0.13320	-	-	-	
	33.33333	13.00000	105.06825	-0.34722	0.0	0.056566	-	-	-	
	34.00000	13.00000	105.06825	-0.12500	0.0	0.019551	-	-	-	
	34.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	35.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	36.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	36.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	37.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	38.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	38.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	39.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	40.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	40.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	41.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	42.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	42.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	43.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	44.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	44.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	45.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	46.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	46.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	47.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	48.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	48.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	49.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	50.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	0.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	0.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	1.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	2.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	2.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	3.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	4.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	4.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	5.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	6.00000	14.00000	105.07350	0.057914	-0.017820	0.010973	-	-	-	
	6.66667	14.00000	105.07350	0.26092	-0.080282	0.041412	-	-	-	
	7.33333	14.00000	105.07350	0.46392	-0.14274	0.14915	-	-	-	
	8.00000	14.00000	105.07350	0.66692	-0.20521	0.27779	-	-	-	
	8.66667	14.00000	105.07350	0.86993	-0.26767	0.42918	-	-	-	
	9.33333	14.00000	105.07350	1.0803	-0.32661	0.61058	-	-	-	
	10.00000	14.00000	105.07350	1.3347	-0.36111	0.82604	-	-	-	
	10.66667	14.00000	105.07350	1.5794	-0.39399	1.0762	-	-	-	
	11.33333	14.00000	105.07350	1.8118	-0.42622	1.3581	-	-	-	
	12.00000	14.00000	105.07350	2.0283	-0.46049	1.6649	-	-	-	
	12.66667	14.00000	105.07350	2.2248	-0.50247	1.9858	-	-	-	
	13.33333	14.00000	105.07350	2.3988	-0.56220	2.3065	-	-	-	
	14.00000	14.00000	105.07350	2.5546	-0.65371	2.6107	-	-	-	
	14.66667	14.00000	105.07350	2.7097	-0.78880	2.8849	-	-	-	
	15.33333	14.00000	105.07350		Point lies within an excavation.					
	16.00000	14.00000	105.07350		Point lies within an excavation.					
	16.66667	14.00000	105.07350		Point lies within an excavation.					
	17.33333	14.00000	105.07350		Point lies within an excavation.					
	18.00000	14.00000	105.07350		Point lies within an excavation.					
	18.66667	14.00000	105.07350		Point lies within an excavation.					
	19.33333	14.00000	105.07350		Point lies within an excavation.					
	20.00000	14.00000	105.07350		Point lies within an excavation.					
	20.66667	14.00000	105.07350		Point lies within an excavation.					
	21.33333	14.00000	105.07350		Point lies within an excavation.					
	22.00000	14.00000	105.07350		Point lies within an excavation.					
	22.66667	14.00000	105.07350		Point lies within an excavation.					
	23.33333	14.00000	105.07350		Point lies within an excavation.					
	24.00000	14.00000	105.07350		Point lies within an excavation.					
	24.66667	14.00000	105.07350		Point lies within an excavation.					
	25.33333	14.00000	105.07350		Point lies within an excavation.					
	26.00000	14.00000	105.07350		Point lies within an excavation.					
	26.66667	14.00000	105.07350		Point lies within an excavation.					
	27.33333	14.00000	105.07350		Point lies within an excavation.					
	28.00000	14.00000	105.07350		Point lies within an excavation.					
	28.66667	14.00000	105.07350		Point lies within an excavation.					
	29.33333	14.00000	105.07350	-1.6806	0.0	1.6370	-	-	-	
	30.00000	14.00000	105.07350	-1.4583	0.0	1.2080	-	-	-	
	30.66667	14.00000	105.07350	-1.2361	0.0	0.82250	-	-	-	
	31.33333	14.00000	105.07350	-1.0139	0.0	0.50825	-	-	-	
	32.00000	14.00000	105.07350	-0.79167	0.0	0.27875	-	-	-	
	32.66667	14.00000	105.07350	-0.56944	0.0	0.13320	-	-	-	
	33.33333	14.00000	105.07350	-0.34722	0.0	0.056566	-	-	-	
	34.00000	14.00000	105.07350	-0.12500	0.0	0.019551	-	-	-	
	34.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	35.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	36.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	36.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	37.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	38.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	38.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	39.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	40.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	40.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	41.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	42.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	42.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	43.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	44.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	44.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	45.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	46.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	46.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	47.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	48.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	48.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	49.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	50.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	0.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	0.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	1.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	2.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	2.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	3.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	4.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	4.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	5.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	6.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-	
	6.66667	15.00000	105.07875	0.16722	-0.051453	0.058168	-	-	-	
	7.33333	15.00000	105.07875	0.37023	-0.11392	0.18220	-	-	-	
	8.00000	15.00000	105.07875	0.57323	-0.17638	0.31379	-	-	-	
	8.66667	15.00000	105.07875	0.77623	-0.23884	0.46477	-	-	-	
	9.33333	15.00000	105.07875	1.0304	-0.28498	0.64386	-	-	-	
	10.00000	15.00000	105.07875	1.3012	-0.32126	0.85654	-	-	-	
	10.66667	15.00000	105.07875	1.5655	-0.35315	1.1047	-	-	-	
	11.33333	15.00000	105.07875	1.8203	-0.37993	1.3864	-	-	-	
	12.00000	15.00000	105.07875	2.0599	-0.40191	1.6948	-	-	-	
	12.66667	15.00000	105.07875	2.2748	-0.42234	2.0171	-	-	-	
	13.33333	15.00000	105.07875	2.4514	-0.45186	2.3332	-	-	-	
	14.00000	15.00000	105.07875	2.5777	-0.51679	2.6141	-	-	-	

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	14.66667	15.00000	105.07875	2.6670	-0.66433	2.8275	-	-	-
	15.33333	15.00000	105.07875	Point lies within an excavation.					
	16.00000	15.00000	105.07875	Point lies within an excavation.					
	16.66667	15.00000	105.07875	Point lies within an excavation.					
	17.33333	15.00000	105.07875	Point lies within an excavation.					
	18.00000	15.00000	105.07875	Point lies within an excavation.					
	18.66667	15.00000	105.07875	Point lies within an excavation.					
	19.33333	15.00000	105.07875	Point lies within an excavation.					
	20.00000	15.00000	105.07875	Point lies within an excavation.					
	20.66667	15.00000	105.07875	Point lies within an excavation.					
	21.33333	15.00000	105.07875	Point lies within an excavation.					
	22.00000	15.00000	105.07875	Point lies within an excavation.					
	22.66667	15.00000	105.07875	Point lies within an excavation.					
	23.33333	15.00000	105.07875	Point lies within an excavation.					
	24.00000	15.00000	105.07875	Point lies within an excavation.					
	24.66667	15.00000	105.07875	Point lies within an excavation.					
	25.33333	15.00000	105.07875	Point lies within an excavation.					
	26.00000	15.00000	105.07875	Point lies within an excavation.					
	26.66667	15.00000	105.07875	Point lies within an excavation.					
	27.33333	15.00000	105.07875	Point lies within an excavation.					
	28.00000	15.00000	105.07875	Point lies within an excavation.					
	28.66667	15.00000	105.07875	Point lies within an excavation.					
	29.33333	15.00000	105.07875	-1.6806	0.0	1.6370	-	-	-
	30.00000	15.00000	105.07875	-1.4583	0.0	1.2080	-	-	-
	30.66667	15.00000	105.07875	-1.2361	0.0	0.82250	-	-	-
	31.33333	15.00000	105.07875	-1.0139	0.0	0.50825	-	-	-
	32.00000	15.00000	105.07875	-0.79167	0.0	0.27875	-	-	-
	32.66667	15.00000	105.07875	-0.56944	0.0	0.13320	-	-	-
	33.33333	15.00000	105.07875	-0.34722	0.0	0.056566	-	-	-
	34.00000	15.00000	105.07875	-0.12500	0.0	0.019551	-	-	-
	34.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	35.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	36.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	36.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	37.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	38.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	38.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	39.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	40.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	40.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	41.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	42.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	42.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	43.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	44.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	44.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	45.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	46.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	46.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	47.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	48.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	48.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	49.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	50.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	0.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	0.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	1.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	2.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	2.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	3.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	4.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	4.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	5.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	6.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	6.66667	16.00000	105.08400	0.073529	-0.022624	0.073418	-	-	-
	7.33333	16.00000	105.08400	0.27653	-0.085087	0.20922	-	-	-
	8.00000	16.00000	105.08400	0.47954	-0.14755	0.34763	-	-	-
	8.66667	16.00000	105.08400	0.68545	-0.20959	0.50213	-	-	-
	9.33333	16.00000	105.08400	0.97786	-0.25774	0.68332	-	-	-
	10.00000	16.00000	105.08400	1.2692	-0.30267	0.89868	-	-	-
	10.66667	16.00000	105.08400	1.5603	-0.34292	1.1524	-	-	-
	11.33333	16.00000	105.08400	1.8504	-0.37645	1.4450	-	-	-
	12.00000	16.00000	105.08400	2.1363	-0.40044	1.7724	-	-	-
	12.66667	16.00000	105.08400	2.4096	-0.41125	2.1242	-	-	-
	13.33333	16.00000	105.08400	2.6509	-0.40579	2.4795	-	-	-
	14.00000	16.00000	105.08400	2.8170	-0.39069	2.7963	-	-	-
	14.66667	16.00000	105.08400	2.8273	-0.43171	2.9857	-	-	-
	15.33333	16.00000	105.08400	Point lies within an excavation.					
	16.00000	16.00000	105.08400	Point lies within an excavation.					
	16.66667	16.00000	105.08400	Point lies within an excavation.					
	17.33333	16.00000	105.08400	Point lies within an excavation.					
	18.00000	16.00000	105.08400	Point lies within an excavation.					
	18.66667	16.00000	105.08400	Point lies within an excavation.					
	19.33333	16.00000	105.08400	Point lies within an excavation.					
	20.00000	16.00000	105.08400	Point lies within an excavation.					
	20.66667	16.00000	105.08400	Point lies within an excavation.					
	21.33333	16.00000	105.08400	Point lies within an excavation.					
	22.00000	16.00000	105.08400	Point lies within an excavation.					
	22.66667	16.00000	105.08400	Point lies within an excavation.					
	23.33333	16.00000	105.08400	Point lies within an excavation.					
	24.00000	16.00000	105.08400	Point lies within an excavation.					
	24.66667	16.00000	105.08400	Point lies within an excavation.					
	25.33333	16.00000	105.08400	Point lies within an excavation.					
	26.00000	16.00000	105.08400	Point lies within an excavation.					
	26.66667	16.00000	105.08400	Point lies within an excavation.					
	27.33333	16.00000	105.08400	Point lies within an excavation.					
	28.00000	16.00000	105.08400	Point lies within an excavation.					
	28.66667	16.00000	105.08400	Point lies within an excavation.					
	29.33333	16.00000	105.08400	-1.6806	0.0	1.6370	-	-	-
	30.00000	16.00000	105.08400	-1.4583	0.0	1.2080	-	-	-
	30.66667	16.00000	105.08400	-1.2361	0.0	0.82250	-	-	-
	31.33333	16.00000	105.08400	-1.0139	0.0	0.50825	-	-	-
	32.00000	16.00000	105.08400	-0.79167	0.0	0.27875	-	-	-
	32.66667	16.00000	105.08400	-0.56944	0.0	0.13320	-	-	-
	33.33333	16.00000	105.08400	-0.34722	0.0	0.056566	-	-	-
	34.00000	16.00000	105.08400	-0.12500	0.0	0.019551	-	-	-
	34.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	35.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	36.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	36.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	37.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	38.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	38.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	39.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	40.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	40.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	41.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	42.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	42.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	43.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	44.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	44.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	45.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	46.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	46.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	47.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	48.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	48.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	49.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	50.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	0.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	0.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	1.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	2.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	2.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	3.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	4.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	4.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	5.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	6.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	6.66667	17.00000	105.08925		0.0	0.0	0.075046	-	-
	7.33333	17.00000	105.08925		0.18284	-0.056258	0.22248	-	-
	8.00000	17.00000	105.08925		0.38584	-0.11872	0.37043	-	-
	8.66667	17.00000	105.08925		0.60325	-0.18118	0.53089	-	-
	9.33333	17.00000	105.08925		0.91021	-0.24365	0.71646	-	-
	10.00000	17.00000	105.08925		1.2206	-0.30611	0.93706	-	-
	10.66667	17.00000	105.08925		1.5373	-0.36857	1.1999	-	-
	11.33333	17.00000	105.08925		1.8636	-0.43103	1.5094	-	-
	12.00000	17.00000	105.08925		2.2023	-0.49350	1.8673	-	-
	12.66667	17.00000	105.08925		2.5565	-0.55596	2.2728	-	-
	13.33333	17.00000	105.08925		2.9293	-0.61842	2.7221	-	-
	14.00000	17.00000	105.08925		3.3237	-0.68088	3.2090	-	-
	14.66667	17.00000	105.08925		3.7427	-0.74335	3.7243	-	-
	15.33333	17.00000	105.08925		4.1893	-0.80581	4.2563	-	-
	16.00000	17.00000	105.08925			Point lies within an excavation.			
	16.66667	17.00000	105.08925			Point lies within an excavation.			
	17.33333	17.00000	105.08925			Point lies within an excavation.			
	18.00000	17.00000	105.08925			Point lies within an excavation.			
	18.66667	17.00000	105.08925			Point lies within an excavation.			
	19.33333	17.00000	105.08925			Point lies within an excavation.			
	20.00000	17.00000	105.08925			Point lies within an excavation.			
	20.66667	17.00000	105.08925			Point lies within an excavation.			
	21.33333	17.00000	105.08925			Point lies within an excavation.			
	22.00000	17.00000	105.08925			Point lies within an excavation.			
	22.66667	17.00000	105.08925			Point lies within an excavation.			
	23.33333	17.00000	105.08925			Point lies within an excavation.			
	24.00000	17.00000	105.08925			Point lies within an excavation.			
	24.66667	17.00000	105.08925			Point lies within an excavation.			
	25.33333	17.00000	105.08925			Point lies within an excavation.			
	26.00000	17.00000	105.08925			Point lies within an excavation.			
	26.66667	17.00000	105.08925			Point lies within an excavation.			
	27.33333	17.00000	105.08925			Point lies within an excavation.			
	28.00000	17.00000	105.08925			Point lies within an excavation.			
	28.66667	17.00000	105.08925			Point lies within an excavation.			
	29.33333	17.00000	105.08925		-1.6806	0.0	1.6370	-	-
	30.00000	17.00000	105.08925		-1.4583	0.0	1.2080	-	-
	30.66667	17.00000	105.08925		-1.2361	0.0	0.82250	-	-
	31.33333	17.00000	105.08925		-1.0139	0.0	0.50825	-	-
	32.00000	17.00000	105.08925		-0.79167	0.0	0.27875	-	-
	32.66667	17.00000	105.08925		-0.56944	0.0	0.13320	-	-
	33.33333	17.00000	105.08925		-0.34722	0.0	0.056566	-	-
	34.00000	17.00000	105.08925		-0.12500	0.0	0.019551	-	-
	34.66667	17.00000	105.08925		0.0	0.0	0.0021249	-	-
	35.33333	17.00000	105.08925		0.0	0.0	0.0029411	-	-
	36.00000	17.00000	105.08925		0.0	0.0	0.0023413	-	-
	36.66667	17.00000	105.08925		0.0	0.0	507.44E-6	-	-
	37.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	38.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	38.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	39.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	40.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	40.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	41.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	42.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	42.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	43.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	44.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	44.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	45.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	46.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	46.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	47.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	48.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	48.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	49.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	50.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	0.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	0.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	1.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	2.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	2.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	3.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	4.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	4.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	5.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	6.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	6.66667	18.00000	105.09450		0.0	0.0	0.070610	-	-
	7.33333	18.00000	105.09450		0.089145	-0.027429	0.21397	-	-
	8.00000	18.00000	105.09450		0.29215	-0.089892	0.37289	-	-
	8.66667	18.00000	105.09450		0.49875	-0.15287	0.53979	-	-
	9.33333	18.00000	105.09450		0.81495	-0.23345	0.72921	-	-
	10.00000	18.00000	105.09450		1.1362	-0.31925	0.95330	-	-
	10.66667	18.00000	105.09450		1.4835	-0.41087	1.2410	-	-
	11.33333	18.00000	105.09450		1.8560	-0.50511	1.5877	-	-
	12.00000	18.00000	105.09450		2.2461	-0.60266	1.9823	-	-
	12.66667	18.00000	105.09450		2.6056	-0.74350	2.4043	-	-
	13.33333	18.00000	105.09450		2.8600	-0.96383	2.8025	-	-
	14.00000	18.00000	105.09450		2.9675	-1.2290	3.1220	-	-
	14.66667	18.00000	105.09450		2.7634	-1.4473	3.2139	-	-
	15.33333	18.00000	105.09450		2.2271	-1.1494	2.8183	-	-
	16.00000	18.00000	105.09450			Point lies within an excavation.			
	16.66667	18.00000	105.09450			Point lies within an excavation.			
	17.33333	18.00000	105.09450			Point lies within an excavation.			
	18.00000	18.00000	105.09450			Point lies within an excavation.			
	18.66667	18.00000	105.09450			Point lies within an excavation.			
	19.33333	18.00000	105.09450			Point lies within an excavation.			
	20.00000	18.00000	105.09450			Point lies within an excavation.			
	20.66667	18.00000	105.09450			Point lies within an excavation.			
	21.33333	18.00000	105.09450			Point lies within an excavation.			
	22.00000	18.00000	105.09450			Point lies within an excavation.			
	22.66667	18.00000	105.09450			Point lies within an excavation.			
	23.33333	18.00000	105.09450			Point lies within an excavation.			
	24.00000	18.00000	105.09450			Point lies within an excavation.			
	24.66667	18.00000	105.09450			Point lies within an excavation.			
	25.33333	18.00000	105.09450			Point lies within an excavation.			
	26.00000	18.00000	105.09450			Point lies within an excavation.			
	26.66667	18.00000	105.09450			Point lies within an excavation.			
	27.33333	18.00000	105.09450			Point lies within an excavation.			
	28.00000	18.00000	105.09450			Point lies within an excavation.			
	28.66667	18.00000	105.09450			Point lies within an excavation.			
	29.33333	18.00000	105.09450		-1.6896	0.0014003	1.6570	-	-
	30.00000	18.00000	105.09450		-1.4699	0.0016500	1.2368	-	-
	30.66667	18.00000	105.09450		-1.2479	0.0015539	0.85677	-	-
	31.33333	18.00000	105.09450		-1.0240	0.0012505	0.54522	-	-
	32.00000	18.00000	105.09450		-0.79880	823.57E-6	0.31618	-	-
	32.66667	18.00000	105.09450		-0.57243	323.25E-6	0.16928	-	-
	33.33333	18.00000	105.09450		-0.34722	0.0	0.089772	-	-
	34.00000	18.00000	105.09450		-0.12500	0.0	0.048601	-	-
	34.66667	18.00000	105.09450		0.0	0.0	0.023809	-	-
	35.33333	18.00000	105.09450		0.0	0.0	0.017637	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	36.00000	18.00000	105.09450		0.0	0.0	0.010664	-	-
	36.66667	18.00000	105.09450		0.0	0.0	0.0029931	-	-
	37.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	38.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	38.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	39.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	40.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	40.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	41.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	42.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	42.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	43.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	44.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	44.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	45.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	46.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	46.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	47.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	48.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	48.66667	18.00000	105.09450		0.0	0.0	0.0	-	-
	49.33333	18.00000	105.09450		0.0	0.0	0.0	-	-
	50.00000	18.00000	105.09450		0.0	0.0	0.0	-	-
	0.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	0.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	1.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	2.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	2.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	3.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	4.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	4.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	5.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	6.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	6.66667	19.00000	105.09975		0.0	0.0	0.15996	-	-
	7.33333	19.00000	105.09975		0.0	0.0	0.33629	-	-
	8.00000	19.00000	105.09975		0.19845	-0.061063	0.54584	-	-
	8.66667	19.00000	105.09975		0.53976	-0.14946	0.75252	-	-
	9.33333	19.00000	105.09975		0.88445	-0.24458	0.97278	-	-
	10.00000	19.00000	105.09975		1.2128	-0.35804	1.2145	-	-
	10.66667	19.00000	105.09975		1.5281	-0.48634	1.4830	-	-
	11.33333	19.00000	105.09975		1.8233	-0.63133	1.7768	-	-
	12.00000	19.00000	105.09975		2.0860	-0.79300	2.0866	-	-
	12.66667	19.00000	105.09975		2.2966	-0.96619	2.3935	-	-
	13.33333	19.00000	105.09975		2.4273	-1.1324	2.6658	-	-
	14.00000	19.00000	105.09975		2.4516	-1.2437	2.8569	-	-
	14.66667	19.00000	105.09975		2.3860	-1.2067	2.9142	-	-
	15.33333	19.00000	105.09975		2.3723	-0.93482	2.8192	-	-
	16.00000	19.00000	105.09975			Point lies within an excavation.			
	16.66667	19.00000	105.09975			Point lies within an excavation.			
	17.33333	19.00000	105.09975			Point lies within an excavation.			
	18.00000	19.00000	105.09975			Point lies within an excavation.			
	18.66667	19.00000	105.09975			Point lies within an excavation.			
	19.33333	19.00000	105.09975			Point lies within an excavation.			
	20.00000	19.00000	105.09975			Point lies within an excavation.			
	20.66667	19.00000	105.09975			Point lies within an excavation.			
	21.33333	19.00000	105.09975			Point lies within an excavation.			
	22.00000	19.00000	105.09975			Point lies within an excavation.			
	22.66667	19.00000	105.09975		0.66853	-1.9886	2.3248	-	-
	23.33333	19.00000	105.09975		0.72562	-2.3215	2.9641	-	-
	24.00000	19.00000	105.09975		0.71824	-2.8856	3.5939	-	-
	24.66667	19.00000	105.09975		0.24215	-3.7294	4.1229	-	-
	25.33333	19.00000	105.09975		-0.039397	-1.9693	2.8999	-	-
	26.00000	19.00000	105.09975			Point lies within an excavation.			
	26.66667	19.00000	105.09975			Point lies within an excavation.			
	27.33333	19.00000	105.09975			Point lies within an excavation.			
	28.00000	19.00000	105.09975			Point lies within an excavation.			
	28.66667	19.00000	105.09975			Point lies within an excavation.			
	29.33333	19.00000	105.09975		-1.8182	-0.0043354	1.8970	-	-
	30.00000	19.00000	105.09975		-1.5662	-0.0026554	1.4362	-	-
	30.66667	19.00000	105.09975		-1.3186	-0.0016687	1.0226	-	-
	31.33333	19.00000	105.09975		-1.0741	-0.0010792	0.68299	-	-
	32.00000	19.00000	105.09975		-0.83178	-727.34E-6	0.42997	-	-
	32.66667	19.00000	105.09975		-0.59095	-522.66E-6	0.26229	-	-
	33.33333	19.00000	105.09975		-0.35477	-349.61E-6	0.16458	-	-
	34.00000	19.00000	105.09975		-0.12755	-109.57E-6	0.10730	-	-
	34.66667	19.00000	105.09975		0.0	0.0	0.068112	-	-
	35.33333	19.00000	105.09975		0.0	0.0	0.048987	-	-
	36.00000	19.00000	105.09975		0.0	0.0	0.030276	-	-
	36.66667	19.00000	105.09975		0.0	0.0	0.011905	-	-
	37.33333	19.00000	105.09975		0.0	0.0	0.0015838	-	-
	38.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	38.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	39.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	40.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	40.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	41.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	42.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	42.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	43.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	44.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	44.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	45.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	46.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	46.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	47.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	48.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	48.66667	19.00000	105.09975		0.0	0.0	0.0	-	-
	49.33333	19.00000	105.09975		0.0	0.0	0.0	-	-
	50.00000	19.00000	105.09975		0.0	0.0	0.0	-	-
	0.00000	20.00000	105.10500		0.0	0.0	0.0	-	-
	0.66667	20.00000	105.10500		0.0	0.0	0.0	-	-
	1.33333	20.00000	105.10500		0.0	0.0	0.0	-	-
	2.00000	20.00000	105.10500		0.0	0.0	0.0	-	-
	2.66667	20.00000	105.10500		0.0	0.0	0.0	-	-
	3.33333	20.00000	105.10500		0.0	0.0	0.0	-	-
	4.00000	20.00000	105.10500		0.0	0.0	0.0	-	-
	4.66667	20.00000	105.10500		0.0	0.0	0.0	-	-
	5.33333	20.00000	105.10500		0.0	0.0	0.13270	-	-
	6.00000	20.00000	105.10500		0.0	0.0	0.30903	-	-
	6.66667	20.00000	105.10500		0.0	0.0	0.48536	-	-
	7.33333	20.00000	105.10500		0.055418	-0.010391	0.66169	-	-
	8.00000	20.00000	105.10500		0.28928	-0.072778	0.85445	-	-
	8.66667	20.00000	105.10500		0.60993	-0.17832	1.0571	-	-
	9.33333	20.00000	105.10500		0.91979	-0.29291	1.2627	-	-
	10.00000	20.00000	105.10500		1.2163	-0.41703	1.4799	-	-
	10.66667	20.00000	105.10500		1.4951	-0.55012	1.7126	-	-
	11.33333	20.00000	105.10500		1.7495	-0.68968	1.9589	-	-
	12.00000	20.00000	105.10500		1.9710	-0.82964	2.2110	-	-
	12.66667	20.00000	105.10500		2.1504	-0.95784	2.4548	-	-
	13.33333	20.00000	105.10500		2.2826	-1.0529	2.6711	-	-
	14.00000	20.00000	105.10500		2.3762	-1.0840	2.8391	-	-
	14.66667	20.00000	105.10500		2.4675	-1.0205	2.9446	-	-
	15.33333	20.00000	105.10500		2.6225	-0.85938	2.9927	-	-
	16.00000	20.00000	105.10500		2.9025	-0.65080	3.0139	-	-
	16.66667	20.00000	105.10500			Point lies within an excavation.			
	17.33333	20.00000	105.10500		-0.56776	-3.0715	3.0735	-	-
	18.00000	20.00000	105.10500		-0.55119	-3.0182	3.0636	-	-
	18.66667	20.00000	105.10500		-0.52572	-2.9687	3.0660	-	-
	19.33333	20.00000	105.10500		-0.48354	-2.9286	3.0905	-	-
	20.00000	20.00000	105.10500		-0.32275	-2.9421	3.1738	-	-
	20.66667	20.00000	105.10500		-749.97E-6	-3.1036	3.3772	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	21.33333	20.00000	105.10500	0.18598	-3.6248	3.8510	-	-	-
	22.00000	20.00000	105.10500	-0.58772	-3.4495	3.8896	-	-	-
	22.66667	20.00000	105.10500	-0.58091	-2.6258	3.3736	-	-	-
	23.33333	20.00000	105.10500	-0.36478	-2.6547	3.3750	-	-	-
	24.00000	20.00000	105.10500	-0.33793	-2.9441	3.5586	-	-	-
	24.66667	20.00000	105.10500	-0.18402	-3.1582	3.8255	-	-	-
	25.33333	20.00000	105.10500	-0.34020	-2.8170	3.6277	-	-	-
	26.00000	20.00000	105.10500	-0.27893	-2.1962	3.1961	-	-	-
	26.66667	20.00000	105.10500	-0.023932	-1.9058	2.9938	-	-	-
	27.33333	20.00000	105.10500	-0.69839	-2.0071	2.8208	-	-	-
	28.00000	20.00000	105.10500	-0.54312	-1.8993	2.6176	-	-	-
	28.66667	20.00000	105.10500	-0.42176	-1.8371	2.4656	-	-	-
	29.33333	20.00000	105.10500	-2.0067	-0.073998	2.2592	-	-	-
	30.00000	20.00000	105.10500	-1.7078	-0.049494	1.7339	-	-	-
	30.66667	20.00000	105.10500	-1.4227	-0.033059	1.2678	-	-	-
	31.33333	20.00000	105.10500	-1.1479	-0.021640	0.88457	-	-	-
	32.00000	20.00000	105.10500	-0.88052	-0.013455	0.59480	-	-	-
	32.66667	20.00000	105.10500	-0.61878	-0.0074200	0.39571	-	-	-
	33.33333	20.00000	105.10500	-0.36741	-0.0032743	0.27084	-	-	-
	34.00000	20.00000	105.10500	-0.13059	-842.17E-6	0.18984	-	-	-
	34.66667	20.00000	105.10500	0.0	0.0	0.12976	-	-	-
	35.33333	20.00000	105.10500	0.0	0.0	0.092082	-	-	-
	36.00000	20.00000	105.10500	0.0	0.0	0.056789	-	-	-
	36.66667	20.00000	105.10500	0.0	0.0	0.023505	-	-	-
	37.33333	20.00000	105.10500	0.0	0.0	0.0032958	-	-	-
	38.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	38.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	39.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	40.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	40.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	41.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	42.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	42.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	43.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	45.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	47.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	49.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	50.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	0.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	0.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	1.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	2.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	2.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	3.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	4.00000	21.00000	105.11025	0.0	0.0	0.10544	-	-	-
	4.66667	21.00000	105.11025	0.0	0.0	0.28177	-	-	-
	5.33333	21.00000	105.11025	0.0	0.0	0.45810	-	-	-
	6.00000	21.00000	105.11025	0.0	0.0	0.63444	-	-	-
	6.66667	21.00000	105.11025	0.11626	-0.021798	0.81077	-	-	-
	7.33333	21.00000	105.11025	0.26166	-0.049062	0.98710	-	-	-
	8.00000	21.00000	105.11025	0.41201	-0.077252	1.1634	-	-	-
	8.66667	21.00000	105.11025	0.68499	-0.17337	1.3613	-	-	-
	9.33333	21.00000	105.11025	0.97594	-0.29095	1.5597	-	-	-
	10.00000	21.00000	105.11025	1.2531	-0.41348	1.7586	-	-	-
	10.66667	21.00000	105.11025	1.5132	-0.53849	1.9653	-	-	-
	11.33333	21.00000	105.11025	1.7525	-0.66156	2.1785	-	-	-
	12.00000	21.00000	105.11025	1.9629	-0.77916	2.3893	-	-	-
	12.66667	21.00000	105.11025	2.0981	-0.92497	2.5530	-	-	-
	13.33333	21.00000	105.11025	2.1955	-1.0789	2.6999	-	-	-
	14.00000	21.00000	105.11025	2.2495	-1.2609	2.8202	-	-	-
	14.66667	21.00000	105.11025	2.2265	-1.5357	2.9074	-	-	-
	15.33333	21.00000	105.11025	1.9414	-2.0587	2.9630	-	-	-
	16.00000	21.00000	105.11025	0.65841	-2.7988	2.9751	-	-	-
	16.66667	21.00000	105.11025	-0.49957	-2.6977	2.9341	-	-	-
	17.33333	21.00000	105.11025	-0.47766	-2.6531	2.9376	-	-	-
	18.00000	21.00000	105.11025	-0.44724	-2.6156	2.9538	-	-	-
	18.66667	21.00000	105.11025	-0.40676	-2.5902	2.9886	-	-	-
	19.33333	21.00000	105.11025	-0.35449	-2.5886	3.0511	-	-	-
	20.00000	21.00000	105.11025	-0.29680	-2.6324	3.1552	-	-	-
	20.66667	21.00000	105.11025	-0.13080	-2.8320	3.3399	-	-	-
	21.33333	21.00000	105.11025	-0.071331	-3.1285	3.5837	-	-	-
	22.00000	21.00000	105.11025	-0.25007	-3.3164	3.7837	-	-	-
	22.66667	21.00000	105.11025	-0.63302	-2.9360	3.5034	-	-	-
	23.33333	21.00000	105.11025	-0.71482	-2.7443	3.3790	-	-	-
	24.00000	21.00000	105.11025	-0.58681	-2.6902	3.3964	-	-	-
	24.66667	21.00000	105.11025	-0.43666	-2.7735	3.5259	-	-	-
	25.33333	21.00000	105.11025	-0.37254	-2.7745	3.5725	-	-	-
	26.00000	21.00000	105.11025	-0.39506	-2.3494	3.2241	-	-	-
	26.66667	21.00000	105.11025	-0.54507	-2.1620	2.9749	-	-	-
	27.33333	21.00000	105.11025	-0.84140	-1.9677	2.6665	-	-	-
	28.00000	21.00000	105.11025	-0.69380	-1.7800	2.3981	-	-	-
	28.66667	21.00000	105.11025	-0.55830	-1.6557	2.1837	-	-	-
	29.33333	21.00000	105.11025	-0.62417	-1.5571	2.0040	-	-	-
	30.00000	21.00000	105.11025	-1.1512	-1.1369	1.7022	-	-	-
	30.66667	21.00000	105.11025	-1.1913	-0.72149	1.3231	-	-	-
	31.33333	21.00000	105.11025	-1.0326	-0.45304	0.97276	-	-	-
	32.00000	21.00000	105.11025	-0.80957	-0.27991	0.69239	-	-	-
	32.66667	21.00000	105.11025	-0.56443	-0.16197	0.49011	-	-	-
	33.33333	21.00000	105.11025	-0.32379	-0.079234	0.35381	-	-	-
	34.00000	21.00000	105.11025	-0.091292	-0.019146	0.25504	-	-	-
	34.66667	21.00000	105.11025	0.0	0.0	0.18063	-	-	-
	35.33333	21.00000	105.11025	0.0	0.0	0.12583	-	-	-
	36.00000	21.00000	105.11025	0.0	0.0	0.075103	-	-	-
	36.66667	21.00000	105.11025	0.0	0.0	0.027852	-	-	-
	37.33333	21.00000	105.11025	0.0	0.0	0.0011620	-	-	-
	38.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	38.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	39.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	40.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	40.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	41.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	42.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	42.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	43.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	45.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	47.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	49.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	50.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	0.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	0.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	1.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	2.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	2.66667	22.00000	105.11550	0.0	0.0	0.078179	-	-	-
	3.33333	22.00000	105.11550	0.0	0.0	0.25451	-	-	-
	4.00000	22.00000	105.11550	0.0	0.0	0.43084	-	-	-
	4.66667	22.00000	105.11550	0.0	0.0	0.60718	-	-	-
	5.33333	22.00000	105.11550	0.033789	-0.0063354	0.78351	-	-	-
	6.00000	22.00000	105.11550	0.17735	-0.033253	0.95984	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	6.66667	22.00000	105.11550		0.32062	-0.060536	1.1316	-	-
	7.33333	22.00000	105.11550		0.43902	-0.089125	1.2625	-	-
	8.00000	22.00000	105.11550		0.56049	-0.12304	1.3930	-	-
	8.66667	22.00000	105.11550		0.68562	-0.16382	1.5229	-	-
	9.33333	22.00000	105.11550		0.90399	-0.28483	1.6708	-	-
	10.00000	22.00000	105.11550		1.1185	-0.42785	1.8153	-	-
	10.66667	22.00000	105.11550		1.3098	-0.58246	1.9584	-	-
	11.33333	22.00000	105.11550		1.4732	-0.74966	2.1017	-	-
	12.00000	22.00000	105.11550		1.6025	-0.93140	2.2434	-	-
	12.66667	22.00000	105.11550		1.6894	-1.1319	2.3792	-	-
	13.33333	22.00000	105.11550		1.7192	-1.3597	2.5031	-	-
	14.00000	22.00000	105.11550		1.6629	-1.6284	2.6084	-	-
	14.66667	22.00000	105.11550		1.4597	-1.9480	2.6886	-	-
	15.33333	22.00000	105.11550		1.0082	-2.2811	2.7372	-	-
	16.00000	22.00000	105.11550		0.25296	-2.4607	2.7654	-	-
	16.66667	22.00000	105.11550		-0.42953	-2.3185	2.7557	-	-
	17.33333	22.00000	105.11550		-0.41704	-2.2694	2.7687	-	-
	18.00000	22.00000	105.11550		-0.38517	-2.2440	2.7958	-	-
	18.66667	22.00000	105.11550		-0.34933	-2.2317	2.8388	-	-
	19.33333	22.00000	105.11550		-0.31303	-2.2390	2.9012	-	-
	20.00000	22.00000	105.11550		-0.28630	-2.2721	2.9857	-	-
	20.66667	22.00000	105.11550		-0.28778	-2.3296	3.0899	-	-
	21.33333	22.00000	105.11550		-0.24492	-2.4820	3.2214	-	-
	22.00000	22.00000	105.11550		-0.25519	-2.6292	3.3383	-	-
	22.66667	22.00000	105.11550		-0.51505	-2.5356	3.2430	-	-
	23.33333	22.00000	105.11550		-0.61864	-2.4014	3.1599	-	-
	24.00000	22.00000	105.11550		-0.59640	-2.3509	3.1499	-	-
	24.66667	22.00000	105.11550		-0.51220	-2.3897	3.2141	-	-
	25.33333	22.00000	105.11550		-0.40545	-2.5002	3.3456	-	-
	26.00000	22.00000	105.11550		-0.48123	-2.2574	3.0502	-	-
	26.66667	22.00000	105.11550		-0.72297	-2.0699	2.7495	-	-
	27.33333	22.00000	105.11550		-0.81236	-1.8157	2.4287	-	-
	28.00000	22.00000	105.11550		-0.70188	-1.6046	2.1461	-	-
	28.66667	22.00000	105.11550		-0.58494	-1.4485	1.9069	-	-
	29.33333	22.00000	105.11550		-0.54293	-1.3304	1.7019	-	-
	30.00000	22.00000	105.11550		-0.74363	-1.1271	1.4652	-	-
	30.66667	22.00000	105.11550		-0.80840	-0.85468	1.1931	-	-
	31.33333	22.00000	105.11550		-0.74211	-0.59731	0.92952	-	-
	32.00000	22.00000	105.11550		-0.59150	-0.38526	0.70589	-	-
	32.66667	22.00000	105.11550		-0.39350	-0.21785	0.53314	-	-
	33.33333	22.00000	105.11550		-0.19343	-0.091935	0.40280	-	-
	34.00000	22.00000	105.11550		0.0	0.0	0.29023	-	-
	34.66667	22.00000	105.11550		0.0	0.0	0.21429	-	-
	35.33333	22.00000	105.11550		0.0	0.0	0.14462	-	-
	36.00000	22.00000	105.11550		0.0	0.0	0.080321	-	-
	36.66667	22.00000	105.11550		0.0	0.0	0.020633	-	-
	37.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	38.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	38.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	39.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	40.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	40.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	41.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	42.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	42.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	43.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	44.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	44.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	45.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	46.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	46.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	47.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	48.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	48.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	49.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	50.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	0.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	0.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	1.33333	23.00000	105.12075		0.0	0.0	0.046391	-	-
	2.00000	23.00000	105.12075		0.0	0.0	0.17732	-	-
	2.66667	23.00000	105.12075		0.0	0.0	0.30801	-	-
	3.33333	23.00000	105.12075		0.0	0.0	0.43844	-	-
	4.00000	23.00000	105.12075		0.0	0.0	0.56856	-	-
	4.66667	23.00000	105.12075		0.0	0.0	0.69833	-	-
	5.33333	23.00000	105.12075		0.052675	-0.013573	0.82768	-	-
	6.00000	23.00000	105.12075		0.16242	-0.044585	0.95653	-	-
	6.66667	23.00000	105.12075		0.27209	-0.079914	1.0848	-	-
	7.33333	23.00000	105.12075		0.38226	-0.12071	1.2123	-	-
	8.00000	23.00000	105.12075		0.49323	-0.16842	1.3390	-	-
	8.66667	23.00000	105.12075		0.60491	-0.22484	1.4646	-	-
	9.33333	23.00000	105.12075		0.71669	-0.29224	1.5889	-	-
	10.00000	23.00000	105.12075		0.86668	-0.41595	1.7215	-	-
	10.66667	23.00000	105.12075		1.0244	-0.58305	1.8538	-	-
	11.33333	23.00000	105.12075		1.1514	-0.76267	1.9803	-	-
	12.00000	23.00000	105.12075		1.2404	-0.95600	2.1015	-	-
	12.66667	23.00000	105.12075		1.2815	-1.1644	2.2154	-	-
	13.33333	23.00000	105.12075		1.2596	-1.3880	2.3186	-	-
	14.00000	23.00000	105.12075		1.1529	-1.6223	2.4065	-	-
	14.66667	23.00000	105.12075		0.93494	-1.8490	2.4740	-	-
	15.33333	23.00000	105.12075		0.58856	-2.0257	2.5158	-	-
	16.00000	23.00000	105.12075		0.13767	-2.0889	2.5349	-	-
	16.66667	23.00000	105.12075		-0.33275	-1.9950	2.5497	-	-
	17.33333	23.00000	105.12075		-0.35674	-1.9264	2.5627	-	-
	18.00000	23.00000	105.12075		-0.34941	-1.8868	2.5896	-	-
	18.66667	23.00000	105.12075		-0.32313	-1.8724	2.6270	-	-
	19.33333	23.00000	105.12075		-0.29780	-1.8716	2.6749	-	-
	20.00000	23.00000	105.12075		-0.28161	-1.8813	2.7320	-	-
	20.66667	23.00000	105.12075		-0.28108	-1.8963	2.7935	-	-
	21.33333	23.00000	105.12075		-0.29954	-1.9052	2.8508	-	-
	22.00000	23.00000	105.12075		-0.32976	-1.8969	2.8936	-	-
	22.66667	23.00000	105.12075		-0.41700	-1.9060	2.8860	-	-
	23.33333	23.00000	105.12075		-0.52099	-1.8816	2.8618	-	-
	24.00000	23.00000	105.12075		-0.54149	-1.8864	2.8654	-	-
	24.66667	23.00000	105.12075		-0.50507	-1.9375	2.9080	-	-
	25.33333	23.00000	105.12075		-0.45638	-2.0474	2.9938	-	-
	26.00000	23.00000	105.12075		-0.54946	-1.9798	2.8213	-	-
	26.66667	23.00000	105.12075		-0.67735	-1.7751	2.5174	-	-
	27.33333	23.00000	105.12075		-0.70670	-1.5417	2.2170	-	-
	28.00000	23.00000	105.12075		-0.62845	-1.3408	1.9452	-	-
	28.66667	23.00000	105.12075		-0.53621	-1.1803	1.7049	-	-
	29.33333	23.00000	105.12075		-0.47204	-1.0529	1.4924	-	-
	30.00000	23.00000	105.12075		-0.52327	-0.89867	1.2820	-	-
	30.66667	23.00000	105.12075		-0.52476	-0.70599	1.0695	-	-
	31.33333	23.00000	105.12075		-0.46127	-0.50333	0.86974	-	-
	32.00000	23.00000	105.12075		-0.33927	-0.31265	0.69522	-	-
	32.66667	23.00000	105.12075		-0.18219	-0.14722	0.54790	-	-
	33.33333	23.00000	105.12075		-0.018265	-0.013257	0.41593	-	-
	34.00000	23.00000	105.12075		0.0	0.0	0.31450	-	-
	34.66667	23.00000	105.12075		0.0	0.0	0.22565	-	-
	35.33333	23.00000	105.12075		0.0	0.0	0.14393	-	-
	36.00000	23.00000	105.12075		0.0	0.0	0.068376	-	-
	36.66667	23.00000	105.12075		0.0	0.0	0.0078356	-	-
	37.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	38.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	38.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	39.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	40.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	40.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	41.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	42.00000	23.00000	105.12075		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	42.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	43.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	44.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	44.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	45.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	46.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	46.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	47.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	48.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	48.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	49.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	50.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	0.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	0.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	1.33333	24.00000	105.12600		0.0	0.0	0.0030733	-	-
	2.00000	24.00000	105.12600		0.0	0.0	0.13207	-	-
	2.66667	24.00000	105.12600		0.0	0.0	0.26066	-	-
	3.33333	24.00000	105.12600		0.0	0.0	0.38878	-	-
	4.00000	24.00000	105.12600		0.0	0.0	0.51638	-	-
	4.66667	24.00000	105.12600		0.0	0.0	0.64336	-	-
	5.33333	24.00000	105.12600		0.0030665	-0.0010723	0.76961	-	-
	6.00000	24.00000	105.12600		0.10670	-0.039750	0.89503	-	-
	6.66667	24.00000	105.12600		0.20867	-0.083175	1.0194	-	-
	7.33333	24.00000	105.12600		0.30919	-0.13251	1.1427	-	-
	8.00000	24.00000	105.12600		0.40814	-0.18914	1.2645	-	-
	8.66667	24.00000	105.12600		0.50493	-0.25470	1.3845	-	-
	9.33333	24.00000	105.12600		0.59829	-0.33109	1.5024	-	-
	10.00000	24.00000	105.12600		0.68607	-0.42050	1.6176	-	-
	10.66667	24.00000	105.12600		0.76486	-0.52527	1.7295	-	-
	11.33333	24.00000	105.12600		0.85422	-0.68824	1.8453	-	-
	12.00000	24.00000	105.12600		0.91546	-0.87278	1.9539	-	-
	12.66667	24.00000	105.12600		0.93125	-1.0632	2.0526	-	-
	13.33333	24.00000	105.12600		0.89220	-1.2548	2.1399	-	-
	14.00000	24.00000	105.12600		0.78859	-1.4378	2.2133	-	-
	14.66667	24.00000	105.12600		0.61409	-1.5955	2.2696	-	-
	15.33333	24.00000	105.12600		0.37267	-1.7043	2.3056	-	-
	16.00000	24.00000	105.12600		0.085781	-1.7399	2.3192	-	-
	16.66667	24.00000	105.12600		-0.20824	-1.6907	2.3108	-	-
	17.33333	24.00000	105.12600		-0.30007	-1.6204	2.3237	-	-
	18.00000	24.00000	105.12600		-0.29349	-1.5849	2.3445	-	-
	18.66667	24.00000	105.12600		-0.28700	-1.5498	2.3710	-	-
	19.33333	24.00000	105.12600		-0.28058	-1.5152	2.4021	-	-
	20.00000	24.00000	105.12600		-0.26973	-1.4946	2.4354	-	-
	20.66667	24.00000	105.12600		-0.26061	-1.4853	2.4670	-	-
	21.33333	24.00000	105.12600		-0.25877	-1.4694	2.4912	-	-
	22.00000	24.00000	105.12600		-0.26072	-1.4406	2.5018	-	-
	22.66667	24.00000	105.12600		-0.30595	-1.3870	2.4894	-	-
	23.33333	24.00000	105.12600		-0.44493	-1.3357	2.5085	-	-
	24.00000	24.00000	105.12600		-0.49742	-1.3491	2.5461	-	-
	24.66667	24.00000	105.12600		-0.48534	-1.4293	2.6019	-	-
	25.33333	24.00000	105.12600		-0.48422	-1.5408	2.6731	-	-
	26.00000	24.00000	105.12600		-0.51830	-1.5520	2.6156	-	-
	26.66667	24.00000	105.12600		-0.57321	-1.3708	2.3353	-	-
	27.33333	24.00000	105.12600		-0.57342	-1.1726	2.0653	-	-
	28.00000	24.00000	105.12600		-0.51709	-0.99540	1.8149	-	-
	28.66667	24.00000	105.12600		-0.44535	-0.84614	1.5861	-	-
	29.33333	24.00000	105.12600		-0.37855	-0.72203	1.3782	-	-
	30.00000	24.00000	105.12600		-0.35449	-0.58922	1.1837	-	-
	30.66667	24.00000	105.12600		-0.30568	-0.43622	1.0005	-	-
	31.33333	24.00000	105.12600		-0.22169	-0.27331	0.83111	-	-
	32.00000	24.00000	105.12600		-0.10049	-0.11152	0.67508	-	-
	32.66667	24.00000	105.12600		-0.0037753	-0.0025590	0.53218	-	-
	33.33333	24.00000	105.12600		0.0	0.0	0.41598	-	-
	34.00000	24.00000	105.12600		0.0	0.0	0.30938	-	-
	34.66667	24.00000	105.12600		0.0	0.0	0.21121	-	-
	35.33333	24.00000	105.12600		0.0	0.0	0.12044	-	-
	36.00000	24.00000	105.12600		0.0	0.0	0.036197	-	-
	36.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	37.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	38.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	38.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	39.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	40.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	40.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	41.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	42.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	42.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	43.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	44.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	44.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	45.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	46.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	46.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	47.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	48.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	48.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	49.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	50.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	0.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	0.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	1.33333	25.00000	105.13125		0.0	0.0	0.0	-	-
	2.00000	25.00000	105.13125		0.0	0.0	0.074134	-	-
	2.66667	25.00000	105.13125		0.0	0.0	0.20013	-	-
	3.33333	25.00000	105.13125		0.0	0.0	0.32543	-	-
	4.00000	25.00000	105.13125		0.0	0.0	0.44994	-	-
	4.66667	25.00000	105.13125		0.0	0.0	0.57354	-	-
	5.33333	25.00000	105.13125		0.0	0.0	0.69608	-	-
	6.00000	25.00000	105.13125		0.041025	-0.019306	0.81740	-	-
	6.66667	25.00000	105.13125		0.13515	-0.068050	0.93729	-	-
	7.33333	25.00000	105.13125		0.22607	-0.12238	1.0555	-	-
	8.00000	25.00000	105.13125		0.31337	-0.18343	1.1717	-	-
	8.66667	25.00000	105.13125		0.39620	-0.25245	1.2855	-	-
	9.33333	25.00000	105.13125		0.47310	-0.33071	1.3964	-	-
	10.00000	25.00000	105.13125		0.54184	-0.41949	1.5038	-	-
	10.66667	25.00000	105.13125		0.59922	-0.51981	1.6070	-	-
	11.33333	25.00000	105.13125		0.64094	-0.63216	1.7049	-	-
	12.00000	25.00000	105.13125		0.66150	-0.75600	1.7964	-	-
	12.66667	25.00000	105.13125		0.65439	-0.88899	1.8800	-	-
	13.33333	25.00000	105.13125		0.61763	-1.0431	1.9571	-	-
	14.00000	25.00000	105.13125		0.53685	-1.1876	2.0210	-	-
	14.66667	25.00000	105.13125		0.41082	-1.3059	2.0694	-	-
	15.33333	25.00000	105.13125		0.24634	-1.3860	2.1008	-	-
	16.00000	25.00000	105.13125		0.057467	-1.4177	2.1140	-	-
	16.66667	25.00000	105.13125		-0.13615	-1.3976	2.1088	-	-
	17.33333	25.00000	105.13125		-0.24923	-1.3458	2.0868	-	-
	18.00000	25.00000	105.13125		-0.24324	-1.3135	2.0703	-	-
	18.66667	25.00000	105.13125		-0.23739	-1.2819	2.0850	-	-
	19.33333	25.00000	105.13125		-0.23161	-1.2507	2.1007	-	-
	20.00000	25.00000	105.13125		-0.22591	-1.2199	2.1151	-	-
	20.66667	25.00000	105.13125		-0.22028	-1.1895	2.1251	-	-
	21.33333	25.00000	105.13125		-0.21472	-1.1595	2.1272	-	-
	22.00000	25.00000	105.13125		-0.20922	-1.1298	2.1173	-	-
	22.66667	25.00000	105.13125		-0.20379	-1.1005	2.0919	-	-
	23.33333	25.00000	105.13125		-0.28875	-0.96688	2.1366	-	-
	24.00000	25.00000	105.13125		-0.36807	-0.96535	2.1999	-	-
	24.66667	25.00000	105.13125		-0.41811	-0.97289	2.2682	-	-
	25.33333	25.00000	105.13125		-0.44504	-0.99733	2.3447	-	-
	26.00000	25.00000	105.13125		-0.45161	-1.0449	2.4043	-	-
	26.66667	25.00000	105.13125		-0.45523	-0.89609	2.1622	-	-
	27.33333	25.00000	105.13125		-0.43561	-0.73383	1.9254	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	28.00000	25.00000	105.13125	-0.39239	-0.58431	1.7003	-	-	-
	28.66667	25.00000	105.13125	-0.33487	-0.45323	1.4892	-	-	-
	29.33333	25.00000	105.13125	-0.26962	-0.34002	1.2929	-	-	-
	30.00000	25.00000	105.13125	-0.20190	-0.22364	1.1081	-	-	-
	30.66667	25.00000	105.13125	-0.12166	-0.10699	0.93385	-	-	-
	31.33333	25.00000	105.13125	-0.046905	-0.040167	0.77954	-	-	-
	32.00000	25.00000	105.13125	0.0	0.0	0.63738	-	-	-
	32.66667	25.00000	105.13125	0.0	0.0	0.50628	-	-	-
	33.33333	25.00000	105.13125	0.0	0.0	0.38517	-	-	-
	34.00000	25.00000	105.13125	0.0	0.0	0.27304	-	-	-
	34.66667	25.00000	105.13125	0.0	0.0	0.16897	-	-	-
	35.33333	25.00000	105.13125	0.0	0.0	0.072117	-	-	-
	36.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	36.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	37.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	38.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	38.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	39.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	40.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	40.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	41.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	42.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	42.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	43.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	44.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	44.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	45.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	46.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	46.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	47.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	48.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	48.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	49.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	50.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	0.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	0.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	1.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	2.00000	26.00000	105.13650	0.0	0.0	0.0042321	-	-	-
	2.66667	26.00000	105.13650	0.0	0.0	0.12723	-	-	-
	3.33333	26.00000	105.13650	0.0	0.0	0.24930	-	-	-
	4.00000	26.00000	105.13650	0.0	0.0	0.37030	-	-	-
	4.66667	26.00000	105.13650	0.0	0.0	0.49008	-	-	-
	5.33333	26.00000	105.13650	0.0	0.0	0.60847	-	-	-
	6.00000	26.00000	105.13650	0.0	0.0	0.72526	-	-	-
	6.66667	26.00000	105.13650	0.055894	-0.034006	0.84019	-	-	-
	7.33333	26.00000	105.13650	0.13829	-0.090460	0.95296	-	-	-
	8.00000	26.00000	105.13650	0.21557	-0.15248	1.0632	-	-	-
	8.66667	26.00000	105.13650	0.28686	-0.22086	1.1705	-	-	-
	9.33333	26.00000	105.13650	0.35079	-0.29630	1.2743	-	-	-
	10.00000	26.00000	105.13650	0.40547	-0.37931	1.3740	-	-	-
	10.66667	26.00000	105.13650	0.44837	-0.46998	1.4688	-	-	-
	11.33333	26.00000	105.13650	0.47639	-0.56776	1.5577	-	-	-
	12.00000	26.00000	105.13650	0.48599	-0.67113	1.6398	-	-	-
	12.66667	26.00000	105.13650	0.47348	-0.77722	1.7137	-	-	-
	13.33333	26.00000	105.13650	0.43568	-0.88149	1.7780	-	-	-
	14.00000	26.00000	105.13650	0.37083	-0.97765	1.8314	-	-	-
	14.66667	26.00000	105.13650	0.27972	-1.0581	1.8721	-	-	-
	15.33333	26.00000	105.13650	0.16659	-1.1149	1.8991	-	-	-
	16.00000	26.00000	105.13650	0.039363	-1.1415	1.9113	-	-	-
	16.66667	26.00000	105.13650	-0.091303	-1.1348	1.9083	-	-	-
	17.33333	26.00000	105.13650	-0.20325	-1.0976	1.8901	-	-	-
	18.00000	26.00000	105.13650	-0.19790	-1.0686	1.8658	-	-	-
	18.66667	26.00000	105.13650	-0.19260	-1.0401	1.8416	-	-	-
	19.33333	26.00000	105.13650	-0.18737	-1.0118	1.8173	-	-	-
	20.00000	26.00000	105.13650	-0.18220	-0.98389	1.7930	-	-	-
	20.66667	26.00000	105.13650	-0.17709	-0.95628	1.7745	-	-	-
	21.33333	26.00000	105.13650	-0.17204	-0.92900	1.7607	-	-	-
	22.00000	26.00000	105.13650	-0.16704	-0.90201	1.7363	-	-	-
	22.66667	26.00000	105.13650	-0.16210	-0.87532	1.6992	-	-	-
	23.33333	26.00000	105.13650	-0.20337	-0.79785	1.7321	-	-	-
	24.00000	26.00000	105.13650	-0.24496	-0.69406	1.8248	-	-	-
	24.66667	26.00000	105.13650	-0.27844	-0.65420	1.9182	-	-	-
	25.33333	26.00000	105.13650	-0.30889	-0.69595	2.0149	-	-	-
	26.00000	26.00000	105.13650	-0.32568	-0.74959	2.1167	-	-	-
	26.66667	26.00000	105.13650	-0.32465	-0.65158	1.9702	-	-	-
	27.33333	26.00000	105.13650	-0.30378	-0.51962	1.7646	-	-	-
	28.00000	26.00000	105.13650	-0.26705	-0.39715	1.5654	-	-	-
	28.66667	26.00000	105.13650	-0.21795	-0.28625	1.3746	-	-	-
	29.33333	26.00000	105.13650	-0.15982	-0.18776	1.1936	-	-	-
	30.00000	26.00000	105.13650	-0.095522	-0.10153	1.0228	-	-	-
	30.66667	26.00000	105.13650	-0.027310	-0.026743	0.86258	-	-	-
	31.33333	26.00000	105.13650	0.0	0.0	0.71260	-	-	-
	32.00000	26.00000	105.13650	0.0	0.0	0.57247	-	-	-
	32.66667	26.00000	105.13650	0.0	0.0	0.44161	-	-	-
	33.33333	26.00000	105.13650	0.0	0.0	0.31938	-	-	-
	34.00000	26.00000	105.13650	0.0	0.0	0.20514	-	-	-
	34.66667	26.00000	105.13650	0.0	0.0	0.098216	-	-	-
	35.33333	26.00000	105.13650	0.0	0.0	0.0028721	-	-	-
	36.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	36.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	37.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	38.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	38.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	39.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	40.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	40.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	41.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	42.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	42.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	43.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	44.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	44.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	45.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	46.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	46.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	47.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	48.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	48.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	49.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	50.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	0.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	0.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	1.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	2.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	2.66667	27.00000	105.14175	0.0	0.0	0.042867	-	-	-
	3.33333	27.00000	105.14175	0.0	0.0	0.16139	-	-	-
	4.00000	27.00000	105.14175	0.0	0.0	0.27858	-	-	-
	4.66667	27.00000	105.14175	0.0	0.0	0.39426	-	-	-
	5.33333	27.00000	105.14175	0.0	0.0	0.50822	-	-	-
	6.00000	27.00000	105.14175	0.0	0.0	0.62023	-	-	-
	6.66667	27.00000	105.14175	0.0	0.0	0.73000	-	-	-
	7.33333	27.00000	105.14175	0.049827	-0.038214	0.83720	-	-	-
	8.00000	27.00000	105.14175	0.11933	-0.098956	0.94146	-	-	-
	8.66667	27.00000	105.14175	0.18200	-0.16429	1.0423	-	-	-
	9.33333	27.00000	105.14175	0.23677	-0.23447	1.1392	-	-	-
	10.00000	27.00000	105.14175	0.28220	-0.30951	1.2316	-	-	-
	10.66667	27.00000	105.14175	0.31654	-0.38900	1.3186	-	-	-
	11.33333	27.00000	105.14175	0.33778	-0.47196	1.3996	-	-	-
	12.00000	27.00000	105.14175	0.34385	-0.55670	1.4735	-	-	-
	12.66667	27.00000	105.14175	0.33288	-0.64064	1.5394	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	13.33333	27.00000	105.14175		0.30364	-0.72026	1.5961	-	-
	14.00000	27.00000	105.14175		0.25600	-0.79127	1.6426	-	-
	14.66667	27.00000	105.14175		0.19142	-0.84892	1.6779	-	-
	15.33333	27.00000	105.14175		0.11327	-0.88870	1.7010	-	-
	16.00000	27.00000	105.14175		0.026680	-0.90713	1.7114	-	-
	16.66667	27.00000	105.14175		-0.061935	-0.90248	1.7088	-	-
	17.33333	27.00000	105.14175		-0.14586	-0.87519	1.6932	-	-
	18.00000	27.00000	105.14175		-0.15672	-0.84630	1.6692	-	-
	18.66667	27.00000	105.14175		-0.15189	-0.82022	1.6449	-	-
	19.33333	27.00000	105.14175		-0.14711	-0.79440	1.6206	-	-
	20.00000	27.00000	105.14175		-0.14238	-0.76885	1.5963	-	-
	20.66667	27.00000	105.14175		-0.13770	-0.74356	1.5721	-	-
	21.33333	27.00000	105.14175		-0.13306	-0.71853	1.5478	-	-
	22.00000	27.00000	105.14175		-0.12847	-0.69373	1.5235	-	-
	22.66667	27.00000	105.14175		-0.12392	-0.66917	1.4992	-	-
	23.33333	27.00000	105.14175		-0.13881	-0.62464	1.4404	-	-
	24.00000	27.00000	105.14175		-0.16897	-0.54917	1.4229	-	-
	24.66667	27.00000	105.14175		-0.18512	-0.47085	1.5375	-	-
	25.33333	27.00000	105.14175		-0.18830	-0.39342	1.6525	-	-
	26.00000	27.00000	105.14175		-0.20493	-0.44686	1.7696	-	-
	26.66667	27.00000	105.14175		-0.20471	-0.42848	1.7377	-	-
	27.33333	27.00000	105.14175		-0.18195	-0.32587	1.5612	-	-
	28.00000	27.00000	105.14175		-0.14683	-0.22793	1.3869	-	-
	28.66667	27.00000	105.14175		-0.10143	-0.13662	1.2170	-	-
	29.33333	27.00000	105.14175		-0.047848	-0.053065	1.0528	-	-
	30.00000	27.00000	105.14175		-0.0051382	-0.0047712	0.89534	-	-
	30.66667	27.00000	105.14175		0.0	0.0	0.74524	-	-
	31.33333	27.00000	105.14175		0.0	0.0	0.60274	-	-
	32.00000	27.00000	105.14175		0.0	0.0	0.46783	-	-
	32.66667	27.00000	105.14175		0.0	0.0	0.34035	-	-
	33.33333	27.00000	105.14175		0.0	0.0	0.22001	-	-
	34.00000	27.00000	105.14175		0.0	0.0	0.10644	-	-
	34.66667	27.00000	105.14175		0.0	0.0	0.012987	-	-
	35.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	36.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	36.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	37.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	38.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	38.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	39.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	40.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	40.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	41.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	42.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	42.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	43.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	44.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	44.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	45.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	46.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	46.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	47.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	48.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	48.66667	27.00000	105.14175		0.0	0.0	0.0	-	-
	49.33333	27.00000	105.14175		0.0	0.0	0.0	-	-
	50.00000	27.00000	105.14175		0.0	0.0	0.0	-	-
	0.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	0.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	1.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	2.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	2.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	3.33333	28.00000	105.14700		0.0	0.0	0.062740	-	-
	4.00000	28.00000	105.14700		0.0	0.0	0.17593	-	-
	4.66667	28.00000	105.14700		0.0	0.0	0.28734	-	-
	5.33333	28.00000	105.14700		0.0	0.0	0.39675	-	-
	6.00000	28.00000	105.14700		0.0	0.0	0.50389	-	-
	6.66667	28.00000	105.14700		0.0	0.0	0.60847	-	-
	7.33333	28.00000	105.14700		0.0	0.0	0.71016	-	-
	8.00000	28.00000	105.14700		0.027200	-0.025873	0.80855	-	-
	8.66667	28.00000	105.14700		0.084130	-0.087108	0.90321	-	-
	9.33333	28.00000	105.14700		0.13315	-0.15125	0.99362	-	-
	10.00000	28.00000	105.14700		0.17331	-0.21803	1.0792	-	-
	10.66667	28.00000	105.14700		0.20350	-0.28686	1.1593	-	-
	11.33333	28.00000	105.14700		0.22256	-0.35670	1.2333	-	-
	12.00000	28.00000	105.14700		0.22940	-0.42602	1.3002	-	-
	12.66667	28.00000	105.14700		0.22322	-0.49277	1.3594	-	-
	13.33333	28.00000	105.14700		0.20376	-0.55441	1.4100	-	-
	14.00000	28.00000	105.14700		0.17149	-0.60802	1.4511	-	-
	14.66667	28.00000	105.14700		0.12791	-0.65065	1.4821	-	-
	15.33333	28.00000	105.14700		0.075512	-0.67961	1.5024	-	-
	16.00000	28.00000	105.14700		0.017767	-0.69290	1.5115	-	-
	16.66667	28.00000	105.14700		-0.041255	-0.68955	1.5092	-	-
	17.33333	28.00000	105.14700		-0.097324	-0.66982	1.4956	-	-
	18.00000	28.00000	105.14700		-0.11897	-0.64242	1.4725	-	-
	18.66667	28.00000	105.14700		-0.11451	-0.61833	1.4482	-	-
	19.33333	28.00000	105.14700		-0.11008	-0.59445	1.4240	-	-
	20.00000	28.00000	105.14700		-0.10570	-0.57078	1.3997	-	-
	20.66667	28.00000	105.14700		-0.10135	-0.54731	1.3754	-	-
	21.33333	28.00000	105.14700		-0.097041	-0.52402	1.3511	-	-
	22.00000	28.00000	105.14700		-0.092762	-0.50092	1.3269	-	-
	22.66667	28.00000	105.14700		-0.088516	-0.47799	1.3026	-	-
	23.33333	28.00000	105.14700		-0.088798	-0.45082	1.2689	-	-
	24.00000	28.00000	105.14700		-0.10812	-0.39645	1.1813	-	-
	24.66667	28.00000	105.14700		-0.11791	-0.33836	1.1347	-	-
	25.33333	28.00000	105.14700		-0.11844	-0.27919	1.2659	-	-
	26.00000	28.00000	105.14700		-0.11054	-0.22108	1.3970	-	-
	26.66667	28.00000	105.14700		-0.098215	-0.17929	1.4672	-	-
	27.33333	28.00000	105.14700		-0.074145	-0.11380	1.3169	-	-
	28.00000	28.00000	105.14700		-0.048139	-0.066191	1.1659	-	-
	28.66667	28.00000	105.14700		-0.018426	-0.022946	1.0161	-	-
	29.33333	28.00000	105.14700		0.0	0.0	0.86916	-	-
	30.00000	28.00000	105.14700		0.0	0.0	0.72612	-	-
	30.66667	28.00000	105.14700		0.0	0.0	0.58781	-	-
	31.33333	28.00000	105.14700		0.0	0.0	0.45474	-	-
	32.00000	28.00000	105.14700		0.0	0.0	0.32722	-	-
	32.66667	28.00000	105.14700		0.0	0.0	0.20536	-	-
	33.33333	28.00000	105.14700		0.0	0.0	0.089142	-	-
	34.00000	28.00000	105.14700		0.0	0.0	0.015685	-	-
	34.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	35.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	36.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	36.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	37.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	38.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	38.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	39.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	40.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	40.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	41.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	42.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	42.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	43.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	44.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	44.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	45.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	46.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	46.66667	28.00000	105.14700		0.0	0.0	0.0	-	-
	47.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	48.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	48.66667	28.00000	105.14700		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	49.33333	28.00000	105.14700		0.0	0.0	0.0	-	-
	50.00000	28.00000	105.14700		0.0	0.0	0.0	-	-
	0.00000	29.00000	105.15225		0.0	0.0	0.0	-	-
	0.66667	29.00000	105.15225		0.0	0.0	0.0	-	-
	1.33333	29.00000	105.15225		0.0	0.0	0.0	-	-
	2.00000	29.00000	105.15225		0.0	0.0	0.0	-	-
	2.66667	29.00000	105.15225		0.0	0.0	0.0	-	-
	3.33333	29.00000	105.15225		0.0	0.0	0.0	-	-
	4.00000	29.00000	105.15225		0.0	0.0	0.063479	-	-
	4.66667	29.00000	105.15225		0.0	0.0	0.17057	-	-
	5.33333	29.00000	105.15225		0.0	0.0	0.27540	-	-
	6.00000	29.00000	105.15225		0.0	0.0	0.37771	-	-
	6.66667	29.00000	105.15225		0.0	0.0	0.47720	-	-
	7.33333	29.00000	105.15225		0.0	0.0	0.57354	-	-
	8.00000	29.00000	105.15225		0.0	0.0	0.66634	-	-
	8.66667	29.00000	105.15225		0.0	0.0	0.75518	-	-
	9.33333	29.00000	105.15225	0.039925	-0.051166	0.83959	-	-	-
	10.00000	29.00000	105.15225	0.077830	-0.11047	0.91905	-	-	-
	10.66667	29.00000	105.15225	0.10696	-0.17010	0.99298	-	-	-
	11.33333	29.00000	105.15225	0.12672	-0.22914	1.0608	-	-	-
	12.00000	29.00000	105.15225	0.13667	-0.28635	1.1218	-	-	-
	12.66667	29.00000	105.15225	0.13659	-0.34017	1.1754	-	-	-
	13.33333	29.00000	105.15225	0.12666	-0.38881	1.2210	-	-	-
	14.00000	29.00000	105.15225	0.10758	-0.43033	1.2578	-	-	-
	14.66667	29.00000	105.15225	0.080643	-0.46282	1.2855	-	-	-
	15.33333	29.00000	105.15225	0.047729	-0.48464	1.3035	-	-	-
	16.00000	29.00000	105.15225	0.011240	-0.49458	1.3115	-	-	-
	16.66667	29.00000	105.15225	-0.026095	-0.49208	1.3095	-	-	-
	17.33333	29.00000	105.15225	-0.061468	-0.47728	1.2975	-	-	-
	18.00000	29.00000	105.15225	-0.083880	-0.45295	1.2759	-	-	-
	18.66667	29.00000	105.15225	-0.079697	-0.43037	1.2516	-	-	-
	19.33333	29.00000	105.15225	-0.075542	-0.40793	1.2273	-	-	-
	20.00000	29.00000	105.15225	-0.071413	-0.38563	1.2030	-	-	-
	20.66667	29.00000	105.15225	-0.067309	-0.36347	1.1788	-	-	-
	21.33333	29.00000	105.15225	-0.063229	-0.34144	1.1545	-	-	-
	22.00000	29.00000	105.15225	-0.059171	-0.31952	1.1302	-	-	-
	22.66667	29.00000	105.15225	-0.055134	-0.29772	1.1059	-	-	-
	23.33333	29.00000	105.15225	-0.051117	-0.27603	1.0816	-	-	-
	24.00000	29.00000	105.15225	-0.058623	-0.23938	1.0156	-	-	-
	24.66667	29.00000	105.15225	-0.061636	-0.19697	0.93996	-	-	-
	25.33333	29.00000	105.15225	-0.058082	-0.15246	0.86177	-	-	-
	26.00000	29.00000	105.15225	-0.048259	-0.10749	1.0048	-	-	-
	26.66667	29.00000	105.15225	-0.032734	-0.063314	1.1485	-	-	-
	27.33333	29.00000	105.15225	-0.012217	-0.020883	1.0403	-	-	-
	28.00000	29.00000	105.15225	0.0	0.0	0.91062	-	-	-
	28.66667	29.00000	105.15225	0.0	0.0	0.78003	-	-	-
	29.33333	29.00000	105.15225	0.0	0.0	0.64994	-	-	-
	30.00000	29.00000	105.15225	0.0	0.0	0.52155	-	-	-
	30.66667	29.00000	105.15225	0.0	0.0	0.39575	-	-	-
	31.33333	29.00000	105.15225	0.0	0.0	0.27324	-	-	-
	32.00000	29.00000	105.15225	0.0	0.0	0.15447	-	-	-
	32.66667	29.00000	105.15225	0.0	0.0	0.066536	-	-	-
	33.33333	29.00000	105.15225	0.0	0.0	0.0080666	-	-	-
	34.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	34.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	35.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	36.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	36.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	37.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	38.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	38.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	39.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	40.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	40.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	41.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	43.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	45.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	47.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	49.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	50.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	0.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	0.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	1.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	2.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	2.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	3.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	4.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	4.66667	30.00000	105.15750	0.0	0.0	0.045069	-	-	-
	5.33333	30.00000	105.15750	0.0	0.0	0.14540	-	-	-
	6.00000	30.00000	105.15750	0.0	0.0	0.24301	-	-	-
	6.66667	30.00000	105.15750	0.0	0.0	0.33759	-	-	-
	7.33333	30.00000	105.15750	0.0	0.0	0.42884	-	-	-
	8.00000	30.00000	105.15750	0.0	0.0	0.51638	-	-	-
	8.66667	30.00000	105.15750	0.0	0.0	0.59983	-	-	-
	9.33333	30.00000	105.15750	0.0	0.0	0.67875	-	-	-
	10.00000	30.00000	105.15750	0.0	0.0	0.75269	-	-	-
	10.66667	30.00000	105.15750	0.023917	-0.042359	0.82115	-	-	-
	11.33333	30.00000	105.15750	0.046157	-0.092946	0.88363	-	-	-
	12.00000	30.00000	105.15750	0.060409	-0.14095	0.93958	-	-	-
	12.66667	30.00000	105.15750	0.066792	-0.18525	0.98850	-	-	-
	13.33333	30.00000	105.15750	0.065693	-0.22458	1.0299	-	-	-
	14.00000	30.00000	105.15750	0.057836	-0.25763	1.0632	-	-	-
	14.66667	30.00000	105.15750	0.044308	-0.28318	1.0882	-	-	-
	15.33333	30.00000	105.15750	0.026547	-0.30018	1.1044	-	-	-
	16.00000	30.00000	105.15750	0.0062835	-0.30789	1.1116	-	-	-
	16.66667	30.00000	105.15750	-0.014569	-0.30595	1.1098	-	-	-
	17.33333	30.00000	105.15750	-0.034054	-0.29447	1.0989	-	-	-
	18.00000	30.00000	105.15750	-0.050315	-0.27394	1.0792	-	-	-
	18.66667	30.00000	105.15750	-0.046718	-0.25228	1.0549	-	-	-
	19.33333	30.00000	105.15750	-0.042737	-0.23078	1.0307	-	-	-
	20.00000	30.00000	105.15750	-0.038770	-0.20936	1.0064	-	-	-
	20.66667	30.00000	105.15750	-0.034818	-0.18801	0.98210	-	-	-
	21.33333	30.00000	105.15750	-0.030877	-0.16674	0.95782	-	-	-
	22.00000	30.00000	105.15750	-0.026948	-0.14552	0.93354	-	-	-
	22.66667	30.00000	105.15750	-0.023027	-0.12435	0.90927	-	-	-
	23.33333	30.00000	105.15750	-0.019115	-0.10322	0.88499	-	-	-
	24.00000	30.00000	105.15750	-0.017446	-0.078507	0.83975	-	-	-
	24.66667	30.00000	105.15750	-0.013727	-0.048341	0.77711	-	-	-
	25.33333	30.00000	105.15750	-0.0053748	-0.015549	0.71121	-	-	-
	26.00000	30.00000	105.15750	0.0	0.0	0.64316	-	-	-
	26.66667	30.00000	105.15750	0.0	0.0	0.75122	-	-	-
	27.33333	30.00000	105.15750	0.0	0.0	0.73801	-	-	-
	28.00000	30.00000	105.15750	0.0	0.0	0.62778	-	-	-
	28.66667	30.00000	105.15750	0.0	0.0	0.51501	-	-	-
	29.33333	30.00000	105.15750	0.0	0.0	0.40105	-	-	-
	30.00000	30.00000	105.15750	0.0	0.0	0.28704	-	-	-
	30.66667	30.00000	105.15750	0.0	0.0	0.17394	-	-	-
	31.33333	30.00000	105.15750	0.0	0.0	0.10638	-	-	-
	32.00000	30.00000	105.15750	0.0	0.0	0.045949	-	-	-
	32.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	33.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	34.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	34.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	35.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	36.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	36.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	37.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	38.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	38.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	39.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	40.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	40.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	41.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	42.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	42.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	43.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	44.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	44.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	45.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	46.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	46.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	47.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	48.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	48.66667	30.00000	105.15750		0.0	0.0	0.0	-	-
	49.33333	30.00000	105.15750		0.0	0.0	0.0	-	-
	50.00000	30.00000	105.15750		0.0	0.0	0.0	-	-
	0.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	0.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	1.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	2.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	2.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	3.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	4.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	4.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	5.33333	31.00000	105.16275		0.0	0.0	0.0078561	-	-
	6.00000	31.00000	105.16275		0.0	0.0	0.10094	-	-
	6.66667	31.00000	105.16275		0.0	0.0	0.19086	-	-
	7.33333	31.00000	105.16275		0.0	0.0	0.27731	-	-
	8.00000	31.00000	105.16275		0.0	0.0	0.35995	-	-
	8.66667	31.00000	105.16275		0.0	0.0	0.43844	-	-
	9.33333	31.00000	105.16275		0.0	0.0	0.51238	-	-
	10.00000	31.00000	105.16275		0.0	0.0	0.58138	-	-
	10.66667	31.00000	105.16275		0.0	0.0	0.64500	-	-
	11.33333	31.00000	105.16275		0.0	0.0	0.70283	-	-
	12.00000	31.00000	105.16275		0.0	0.0	0.75442	-	-
	12.66667	31.00000	105.16275		0.0091503	-0.027969	0.79934	-	-
	13.33333	31.00000	105.16275		0.016110	-0.060692	0.83720	-	-
	14.00000	31.00000	105.16275		0.017895	-0.087847	0.86764	-	-
	14.66667	31.00000	105.16275		0.015422	-0.10862	0.89034	-	-
	15.33333	31.00000	105.16275		0.0098176	-0.12234	0.90506	-	-
	16.00000	31.00000	105.16275		0.0023803	-0.12854	0.91163	-	-
	16.66667	31.00000	105.16275		-0.0054868	-0.12698	0.90998	-	-
	17.33333	31.00000	105.16275		-0.012355	-0.11774	0.90014	-	-
	18.00000	31.00000	105.16275		-0.016854	-0.10112	0.88221	-	-
	18.66667	31.00000	105.16275		-0.014820	-0.080026	0.85828	-	-
	19.33333	31.00000	105.16275		-0.010920	-0.058967	0.83400	-	-
	20.00000	31.00000	105.16275		-0.0070237	-0.037928	0.80972	-	-
	20.66667	31.00000	105.16275		-0.0031298	-0.016901	0.78544	-	-
	21.33333	31.00000	105.16275		0.0	0.0	0.76117	-	-
	22.00000	31.00000	105.16275		0.0	0.0	0.73689	-	-
	22.66667	31.00000	105.16275		0.0	0.0	0.71261	-	-
	23.33333	31.00000	105.16275		0.0	0.0	0.68833	-	-
	24.00000	31.00000	105.16275		0.0	0.0	0.65623	-	-
	24.66667	31.00000	105.16275		0.0	0.0	0.60475	-	-
	25.33333	31.00000	105.16275		0.0	0.0	0.54961	-	-
	26.00000	31.00000	105.16275		0.0	0.0	0.49172	-	-
	26.66667	31.00000	105.16275		0.0	0.0	0.43193	-	-
	27.33333	31.00000	105.16275		0.0	0.0	0.41508	-	-
	28.00000	31.00000	105.16275		0.0	0.0	0.32244	-	-
	28.66667	31.00000	105.16275		0.0	0.0	0.24788	-	-
	29.33333	31.00000	105.16275		0.0	0.0	0.18672	-	-
	30.00000	31.00000	105.16275		0.0	0.0	0.12629	-	-
	30.66667	31.00000	105.16275		0.0	0.0	0.066854	-	-
	31.33333	31.00000	105.16275		0.0	0.0	0.0086046	-	-
	32.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	32.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	33.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	34.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	34.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	35.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	36.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	36.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	37.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	38.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	38.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	39.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	40.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	40.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	41.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	42.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	42.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	43.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	44.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	44.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	45.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	46.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	46.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	47.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	48.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	48.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	49.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	50.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	0.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	0.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	1.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	2.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	2.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	3.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	4.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	4.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	5.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	6.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	6.66667	32.00000	105.16800		0.0	0.0	0.038029	-	-
	7.33333	32.00000	105.16800		0.0	0.0	0.12000	-	-
	8.00000	32.00000	105.16800		0.0	0.0	0.19812	-	-
	8.66667	32.00000	105.16800		0.0	0.0	0.27206	-	-
	9.33333	32.00000	105.16800		0.0	0.0	0.34150	-	-
	10.00000	32.00000	105.16800		0.0	0.0	0.40607	-	-
	10.66667	32.00000	105.16800		0.0	0.0	0.46541	-	-
	11.33333	32.00000	105.16800		0.0	0.0	0.51916	-	-
	12.00000	32.00000	105.16800		0.0	0.0	0.56697	-	-
	12.66667	32.00000	105.16800		0.0	0.0	0.60847	-	-
	13.33333	32.00000	105.16800		0.0	0.0	0.64336	-	-
	14.00000	32.00000	105.16800		0.0	0.0	0.67133	-	-
	14.66667	32.00000	105.16800		0.0	0.0	0.69216	-	-
	15.33333	32.00000	105.16800		0.0	0.0	0.70564	-	-
	16.00000	32.00000	105.16800		0.0	0.0	0.71166	-	-
	16.66667	32.00000	105.16800		0.0	0.0	0.71016	-	-
	17.33333	32.00000	105.16800		0.0	0.0	0.70114	-	-
	18.00000	32.00000	105.16800		0.0	0.0	0.68470	-	-
	18.66667	32.00000	105.16800		0.0	0.0	0.66162	-	-
	19.33333	32.00000	105.16800		0.0	0.0	0.63735	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	20.00000	32.00000	105.16800	0.0	0.0	0.61307	-	-	-
	20.66667	32.00000	105.16800	0.0	0.0	0.58879	-	-	-
	21.33333	32.00000	105.16800	0.0	0.0	0.56451	-	-	-
	22.00000	32.00000	105.16800	0.0	0.0	0.54023	-	-	-
	22.66667	32.00000	105.16800	0.0	0.0	0.51595	-	-	-
	23.33333	32.00000	105.16800	0.0	0.0	0.49167	-	-	-
	24.00000	32.00000	105.16800	0.0	0.0	0.46672	-	-	-
	24.66667	32.00000	105.16800	0.0	0.0	0.42491	-	-	-
	25.33333	32.00000	105.16800	0.0	0.0	0.37921	-	-	-
	26.00000	32.00000	105.16800	0.0	0.0	0.33040	-	-	-
	26.66667	32.00000	105.16800	0.0	0.0	0.27920	-	-	-
	27.33333	32.00000	105.16800	0.0	0.0	0.22626	-	-	-
	28.00000	32.00000	105.16800	0.0	0.0	0.17216	-	-	-
	28.66667	32.00000	105.16800	0.0	0.0	0.11738	-	-	-
	29.33333	32.00000	105.16800	0.0	0.0	0.062356	-	-	-
	30.00000	32.00000	105.16800	0.0	0.0	0.0074358	-	-	-
	30.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	31.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	32.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	32.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	33.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	34.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	34.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	35.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	36.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	36.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	37.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	38.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	38.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	39.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	40.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	40.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	41.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	42.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	42.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	43.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	44.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	44.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	45.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	46.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	46.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	47.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	48.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	48.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	49.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	50.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	0.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	0.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	1.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	2.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	2.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	3.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	4.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	4.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	5.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	6.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	6.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	7.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	8.00000	33.00000	105.17325	0.0	0.0	0.031737	-	-	-
	8.66667	33.00000	105.17325	0.0	0.0	0.10154	-	-	-
	9.33333	33.00000	105.17325	0.0	0.0	0.16689	-	-	-
	10.00000	33.00000	105.17325	0.0	0.0	0.22750	-	-	-
	10.66667	33.00000	105.17325	0.0	0.0	0.28304	-	-	-
	11.33333	33.00000	105.17325	0.0	0.0	0.33321	-	-	-
	12.00000	33.00000	105.17325	0.0	0.0	0.37771	-	-	-
	12.66667	33.00000	105.17325	0.0	0.0	0.41626	-	-	-
	13.33333	33.00000	105.17325	0.0	0.0	0.44858	-	-	-
	14.00000	33.00000	105.17325	0.0	0.0	0.47446	-	-	-
	14.66667	33.00000	105.17325	0.0	0.0	0.49370	-	-	-
	15.33333	33.00000	105.17325	0.0	0.0	0.50614	-	-	-
	16.00000	33.00000	105.17325	0.0	0.0	0.51169	-	-	-
	16.66667	33.00000	105.17325	0.0	0.0	0.51030	-	-	-
	17.33333	33.00000	105.17325	0.0	0.0	0.50198	-	-	-
	18.00000	33.00000	105.17325	0.0	0.0	0.48681	-	-	-
	18.66667	33.00000	105.17325	0.0	0.0	0.46497	-	-	-
	19.33333	33.00000	105.17325	0.0	0.0	0.44069	-	-	-
	20.00000	33.00000	105.17325	0.0	0.0	0.41641	-	-	-
	20.66667	33.00000	105.17325	0.0	0.0	0.39213	-	-	-
	21.33333	33.00000	105.17325	0.0	0.0	0.36785	-	-	-
	22.00000	33.00000	105.17325	0.0	0.0	0.34357	-	-	-
	22.66667	33.00000	105.17325	0.0	0.0	0.31930	-	-	-
	23.33333	33.00000	105.17325	0.0	0.0	0.29502	-	-	-
	24.00000	33.00000	105.17325	0.0	0.0	0.27074	-	-	-
	24.66667	33.00000	105.17325	0.0	0.0	0.23910	-	-	-
	25.33333	33.00000	105.17325	0.0	0.0	0.20174	-	-	-
	26.00000	33.00000	105.17325	0.0	0.0	0.16103	-	-	-
	26.66667	33.00000	105.17325	0.0	0.0	0.11761	-	-	-
	27.33333	33.00000	105.17325	0.0	0.0	0.072052	-	-	-
	28.00000	33.00000	105.17325	0.0	0.0	0.024869	-	-	-
	28.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	29.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	30.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	30.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	31.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	32.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	32.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	33.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	34.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	34.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	35.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	36.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	36.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	37.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	38.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	38.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	39.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	40.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	40.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	41.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	42.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	42.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	43.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	44.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	44.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	45.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	46.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	46.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	47.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	48.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	48.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	49.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	50.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	0.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	0.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	1.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	2.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	2.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	3.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	4.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	4.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	5.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	6.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	6.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	7.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	8.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	8.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	9.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	10.00000	34.00000	105.17850		0.0	0.0	0.046244	-	-
	10.66667	34.00000	105.17850		0.0	0.0	0.098398	-	-
	11.33333	34.00000	105.17850		0.0	0.0	0.14540	-	-
	12.00000	34.00000	105.17850		0.0	0.0	0.18700	-	-
	12.66667	34.00000	105.17850		0.0	0.0	0.22297	-	-
	13.33333	34.00000	105.17850		0.0	0.0	0.25308	-	-
	14.00000	34.00000	105.17850		0.0	0.0	0.27715	-	-
	14.66667	34.00000	105.17850		0.0	0.0	0.29502	-	-
	15.33333	34.00000	105.17850		0.0	0.0	0.30656	-	-
	16.00000	34.00000	105.17850		0.0	0.0	0.31171	-	-
	16.66667	34.00000	105.17850		0.0	0.0	0.31042	-	-
	17.33333	34.00000	105.17850		0.0	0.0	0.30271	-	-
	18.00000	34.00000	105.17850		0.0	0.0	0.28862	-	-
	18.66667	34.00000	105.17850		0.0	0.0	0.26826	-	-
	19.33333	34.00000	105.17850		0.0	0.0	0.24403	-	-
	20.00000	34.00000	105.17850		0.0	0.0	0.21975	-	-
	20.66667	34.00000	105.17850		0.0	0.0	0.19548	-	-
	21.33333	34.00000	105.17850		0.0	0.0	0.17120	-	-
	22.00000	34.00000	105.17850		0.0	0.0	0.14692	-	-
	22.66667	34.00000	105.17850		0.0	0.0	0.12264	-	-
	23.33333	34.00000	105.17850		0.0	0.0	0.098361	-	-
	24.00000	34.00000	105.17850		0.0	0.0	0.074082	-	-
	24.66667	34.00000	105.17850		0.0	0.0	0.048458	-	-
	25.33333	34.00000	105.17850		0.0	0.0	0.018489	-	-
	26.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	26.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	27.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	28.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	28.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	29.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	30.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	30.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	31.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	32.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	32.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	33.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	34.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	34.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	35.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	36.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	36.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	37.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	38.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	38.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	39.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	40.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	40.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	41.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	42.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	42.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	43.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	44.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	44.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	45.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	46.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	46.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	47.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	48.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	48.66667	34.00000	105.17850		0.0	0.0	0.0	-	-
	49.33333	34.00000	105.17850		0.0	0.0	0.0	-	-
	50.00000	34.00000	105.17850		0.0	0.0	0.0	-	-
	0.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	0.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	1.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	2.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	2.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	3.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	4.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	4.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	5.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	6.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	6.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	7.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	8.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	8.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	9.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	10.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	10.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	11.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	12.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	12.66667	35.00000	105.18375		0.0	0.0	0.028815	-	-
	13.33333	35.00000	105.18375		0.0	0.0	0.056986	-	-
	14.00000	35.00000	105.18375		0.0	0.0	0.079476	-	-
	14.66667	35.00000	105.18375		0.0	0.0	0.096157	-	-
	15.33333	35.00000	105.18375		0.0	0.0	0.10693	-	-
	16.00000	35.00000	105.18375		0.0	0.0	0.11173	-	-
	16.66667	35.00000	105.18375		0.0	0.0	0.11053	-	-
	17.33333	35.00000	105.18375		0.0	0.0	0.10333	-	-
	18.00000	35.00000	105.18375		0.0	0.0	0.090188	-	-
	18.66667	35.00000	105.18375		0.0	0.0	0.071170	-	-
	19.33333	35.00000	105.18375		0.0	0.0	0.047376	-	-
	20.00000	35.00000	105.18375		0.0	0.0	0.023097	-	-
	20.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	21.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	22.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	22.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	23.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	24.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	24.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	25.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	26.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	26.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	27.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	28.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	28.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	29.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	30.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	30.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	31.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	32.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	32.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	33.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	34.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	34.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	35.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	36.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	36.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	37.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	38.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	38.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	39.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	40.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	40.66667	35.00000	105.18375		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	41.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	42.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	42.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	43.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	44.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	44.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	45.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	46.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	46.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	47.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	48.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	48.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	49.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	50.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	0.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	0.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	1.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	2.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	2.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	3.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	4.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	4.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	5.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	6.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	6.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	7.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	8.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	8.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	9.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	10.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	10.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	11.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	12.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	12.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	13.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	14.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	14.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	15.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	16.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	16.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	17.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	18.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	18.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	19.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	20.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	20.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	21.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	22.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	22.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	23.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	24.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	24.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	25.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	26.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	26.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	27.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	28.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	28.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	29.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	30.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	30.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	31.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	32.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	32.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	33.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	34.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	34.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	35.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	36.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	36.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	37.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	38.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	38.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	39.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	40.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	40.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	41.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	42.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	42.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	43.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	44.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	44.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	45.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	46.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	46.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	47.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	48.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	48.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	49.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	50.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	0.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	1.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	3.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	4.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	4.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	5.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	6.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	6.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	7.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	8.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	8.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	9.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	10.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	10.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	11.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	12.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	12.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	13.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	14.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	14.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	15.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	16.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	16.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	17.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	18.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	18.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	19.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	20.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	20.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	21.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	22.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	22.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	23.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	24.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	24.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	25.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	26.00000	37.00000	105.19425		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	26.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	27.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	28.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	28.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	29.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	31.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	33.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	35.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	37.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	39.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	41.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	43.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	45.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	47.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	49.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	50.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	0.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	1.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	3.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	5.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	6.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	6.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	7.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	8.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	8.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	9.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	10.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	10.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	11.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	12.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	12.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	13.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	14.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	14.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	15.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	16.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	16.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	17.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	18.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	18.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	19.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	20.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	20.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	21.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	22.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	22.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	23.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	25.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	27.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	29.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	31.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	33.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	35.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	37.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	39.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	41.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	42.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	42.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	43.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	44.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	44.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	45.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	46.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	46.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	47.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	48.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	48.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	49.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	50.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	0.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	0.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	1.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	2.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	2.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	3.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	4.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	4.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	5.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	6.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	6.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	7.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	8.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	8.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	9.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	10.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	10.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	11.33333	39.00000	105.20475		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	12.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	12.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	13.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	14.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	14.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	15.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	16.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	16.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	17.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	18.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	18.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	19.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	20.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	20.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	21.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	22.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	22.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	23.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	24.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	24.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	25.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	26.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	26.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	27.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	28.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	28.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	29.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	30.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	30.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	31.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	32.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	32.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	33.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	34.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	34.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	35.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	36.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	36.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	37.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	38.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	38.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	39.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	40.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	40.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	41.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	42.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	42.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	43.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	44.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	44.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	45.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	46.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	46.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	47.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	48.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	48.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	49.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	50.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	0.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	0.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	1.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	2.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	2.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	3.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	4.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	4.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	5.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	6.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	6.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	7.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	8.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	8.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	9.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	10.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	10.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	11.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	12.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	12.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	13.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	14.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	14.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	15.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	16.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	16.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	17.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	18.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	18.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	19.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	20.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	20.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	21.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	22.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	22.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	23.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	24.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	24.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	25.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	26.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	26.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	27.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	28.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	28.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	29.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	30.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	30.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	31.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	32.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	32.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	33.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	34.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	34.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	35.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	37.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	39.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	41.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	43.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	45.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	47.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
		48.00000	40.00000	105.21000	0.0	0.0	0.0	-	-
		48.66667	40.00000	105.21000	0.0	0.0	0.0	-	-
		49.33333	40.00000	105.21000	0.0	0.0	0.0	-	-
		50.00000	40.00000	105.21000	0.0	0.0	0.0	-	-
Christchurch Line 1		24.60000	10.40000	103.13000		Point lies within an excavation.			
A									
	1.0000	25.60000	10.40000	103.13000		Point lies within an excavation.			
	2.0000	26.60000	10.40000	103.13000		Point lies within an excavation.			
	3.0000	27.60000	10.40000	103.13000		Point lies within an excavation.			
	4.0000	28.60000	10.40000	103.13000		Point lies within an excavation.			
Christchurch Line 2		28.60000	10.40000	102.31000		Point lies within an excavation.			
B									
	1.2000	28.60000	9.20000	102.31000	0.0	1.5645	1.5365	-1.5645	0.0	270.00
	2.4000	28.60000	8.00000	102.31000	-0.056704	1.0898	1.3985	-1.0898	-0.056704	270.00
Christchurch Line 3		28.60000	8.00000	102.31000	-0.056704	1.0898	1.3985	-0.056704	1.0898	0.0
C									
	0.90000	29.50000	8.00000	102.31000	-0.23961	0.94570	1.1585	-0.23961	0.94570	0.0
	1.8000	30.40000	8.00000	102.31000	-0.67954	0.67954	0.89695	-0.67954	0.67954	0.0
	2.7000	31.30000	8.00000	102.31000	-0.69491	0.39709	0.56558	-0.69491	0.39709	0.0
	3.6000	32.20000	8.00000	102.31000	-0.53891	0.21556	0.31087	-0.53891	0.21556	0.0
Christchurch Line 4		32.20000	8.00000	102.31000	-0.53891	0.21556	0.31087	0.21556	0.53891	90.000
D									
	1.2000	32.20000	9.20000	102.31000	-0.72500	0.0	0.22667	0.0	0.72500	90.000
	2.4000	32.20000	10.40000	102.31000	-0.72500	0.0	0.22667	0.0	0.72500	90.000
Christchurch Line 5		32.30000	10.40000	102.31000	-0.69167	0.0	0.20343	-0.69167	0.0	0.0
E									
	1.0000	33.30000	10.40000	102.31000	-0.35833	0.0	0.059155	-0.35833	0.0	0.0
	2.0000	34.30000	10.40000	102.31000	-0.025000	0.0	0.0047334	-0.025000	0.0	0.0
	3.0000	35.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
	4.0000	36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
Christchurch Line 6		36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
F									
	1.0570	36.35556	11.45556	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	2.1140	36.41111	12.51111	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	3.1710	36.46667	13.56667	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	4.2281	36.52222	14.62222	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	5.2851	36.57778	15.67778	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	6.3421	36.63333	16.73333	102.31000	0.0	0.0	193.68E-6	0.0	0.0	86.987
	7.3991	36.68889	17.78889	102.31000	0.0	0.0	0.0021396	0.0	0.0	86.987
	8.4561	36.74444	18.84444	102.31000	0.0	0.0	0.0078872	0.0	0.0	86.987
	9.5131	36.80000	19.90000	102.31000	0.0	0.0	0.016428	0.0	0.0	86.987
Christchurch Line 7		36.80000	19.90000	102.31000	0.0	0.0	0.016428	0.0	0.0	180.00
G									
	1.1000	35.70000	19.90000	102.31000	0.0	0.0	0.069325	0.0	0.0	180.00
	2.2000	34.60000	19.90000	102.31000	0.0	0.0	0.12768	0.0	0.0	180.00
Christchurch Line 8		34.60000	19.90000	102.31000	0.0	0.0	0.12768	0.0	0.0	90.000
H									
	0.56667	34.60000	20.46667	102.31000	0.0	0.0	0.16005	0.0	0.0	90.000
	1.1333	34.60000	21.03333	102.31000	0.0	0.0	0.18785	0.0	0.0	90.000
	1.7000	34.60000	21.60000	102.31000	0.0	0.0	0.20995	0.0	0.0	90.000
Christchurch Line 9		34.60000	21.60000	102.31000	0.0	0.0	0.20995	0.0	0.0	180.00
I									
	1.0000	33.60000	21.60000	102.31000	-0.16624	-0.060138	0.34312	0.16624	0.060138	180.00
	2.0000	32.60000	21.60000	102.31000	-0.49415	-0.22460	0.53627	0.49415	0.22460	180.00
	3.0000	31.60000	21.60000	102.31000	-0.80002	-0.48416	0.84781	0.80002	0.48416	180.00
Christchurch Line 10		31.60000	21.60000	102.31000	-0.80002	-0.48416	0.84781	0.29233	0.88825	139.40
J									
	1.2293	30.66667	22.40000	102.31000	-0.68410	-0.81594	1.1374	-0.011603	1.0647	139.40
	2.4585	29.73333	23.20000	102.31000	-0.47785	-0.90673	1.3393	-0.22728	0.99942	139.40
	3.6878	28.80000	24.00000	102.31000	-0.42983	-0.81951	1.5429	-0.20698	0.90195	139.40
Christchurch Line 11		28.80000	24.00000	102.31000	-0.42983	-0.81951	1.5429	-0.76332	-0.52316	27.897
K									
	0.96177	29.65000	24.45000	102.31000	-0.31064	-0.49890	1.2514	-0.50797	-0.29558	27.897
	1.9235	30.50000	24.90000	102.31000	-0.15824	-0.16569	0.98530	-0.21738	-0.072392	27.897
Christchurch Line 12		30.50000	24.90000	102.31000	-0.15824	-0.16569	0.98530	-0.066828	0.21915	119.36
L									
	0.91788	30.05000	25.70000	102.31000	-0.12151	-0.12516	1.0393	-0.049515	0.16726	119.36
	1.8358	29.60000	26.50000	102.31000	-0.079988	-0.091583	1.0623	-0.040606	0.11462	119.36
Christchurch Line 13		29.60000	26.50000	102.31000	-0.079988	-0.091583	1.0623	0.12146	0.0057214	226.17
M									
	1.7328	28.40000	25.25000	102.31000	-0.32921	-0.42038	1.5395	0.53125	0.053636	226.17
	3.4655	27.20000	24.00000	102.31000	-0.58207	-1.2113	2.1179	1.2769	0.41898	226.17
Christchurch Line 14		27.20000	24.00000	102.31000	-0.58207	-1.2113	2.1179	0.90851	-0.99031	291.80
N									
	1.0770	27.60000	23.00000	102.31000	-0.67790	-1.4562	2.1044	1.1003	-1.1702	291.80
	2.1541	28.00000	22.00000	102.31000	-0.70188	-1.6046	2.1461	1.2291	-1.2476	291.80
	3.2311	28.40000	21.00000	102.31000	-0.61047	-1.6995	2.2640	1.3512	-1.1980	291.80
	4.3081	28.80000	20.00000	102.31000	-0.40083	-1.8280	2.4396	1.5484	-1.0511	291.80
Christchurch Line 15		28.80000	20.00000	103.13000	-0.40083	-1.8280	2.4396	0.40083	1.8280	180.00
O									
	0.90000	27.90000	20.00000	103.13000	-0.56406	-1.9118	2.6442	0.56406	1.9118	180.00
	1.8000	27.00000	20.00000	103.13000	0.10645	-1.8394	2.9509	-0.10645	1.8394	180.00
Christchurch Line 16		27.00000	20.00000	103.13000	0.10645	-1.8394	2.9509	0.86544	1.6265	211.33
P									
	1.3463	25.85000	19.30000	103.13000	-0.90161	-0.43325	1.2084	0.99542	-0.098705	211.33
	2.6926	24.70000	18.60000	103.13000	1.2257	-2.5975	4.3045	0.30356	2.8561	211.33
Christchurch Line 17		24.70000	18.60000	103.13000	1.2257	-2.5975	4.3045	2.5824	1.2573	269.30
Q									
	1.0251	24.68750	17.57500	103.13000		Point lies within an excavation.			
	2.0502	24.67500	16.55000	103.13000		Point lies within an excavation.			
	3.0752	24.66250	15.52500	103.13000		Point lies within an excavation.			
	4.1003	24.65000	14.50000	103.13000		Point lies within an excavation.			
	5.1254	24.63750	13.47500	103.13000		Point lies within an excavation.			
	6.1505	24.62500	12.45000	103.13000		Point lies within an excavation.			
	7.1755	24.61250	11.42500	103.13000		Point lies within an excavation.			
	8.2006	24.60000	10.40000	103.13000		Point lies within an excavation.			
Well Road A	Line 18	16.70000	21.90000	104.00000	-0.43457	-2.3467	2.7736	0.020376	-2.3865	349.02
	0.97499	17.65714	21.71429	104.00000	-0.41655	-2.3617	2.8313	0.040916	-2.3978	349.02
	1.9500	18.61429	21.52857	104.00000	-0.37399	-2.4011	2.9141	0.090205	-2.4283	349.02
	2.9250	19.57143	21.34286	104.00000	-0.31705	-2.4820	3.0420	0.16152	-2.4970	349.02
	3.9000	20.52857	21.15714	104.00000	-0.19156	-2.7100	3.2680	0.32814	-2.6969	349.02
	4.8750	21.48571	20.97143	104.00000	-0.080871	-3.2148	3.6558	0.53295	-3.1713	349.02
	5.8500	22.44286	20.78571	104.00000	-0.58891	-3.0845	3.6133	0.0094023	-3.1402	349.02
	6.8250	23.40000	20.60000	104.00000	-0.66674	-2.7757	3.4177	-0.12582	-2.8519	349.02
Well Road B	Line 19	23.40000	20.60000	104.00000	-0.66674	-2.7757	3.4177	-2.8370	0.31731	82.875
	0.80623	23.50000	21.40000	104.00000	-0.67440	-2.6078	3.2957	-2.6713	0.34574	82.875
	1.6125	23.60000	22.20000	104.00000	-0.60315	-2.2813	3.0928	-2.3385	0.31554	82.875
Well Road C	Line 20	23.60000	22.20000	102.50000	-0.60315	-2.2813	3.0928	-2.3494	0.21991	80.538
	1.2166	23.80000	23.40000	102.50000	-0.51937	-1.6662	2.7364	-1.7289	0.23838	80.538
	2.4331	24.00000	24.60000	102.50000	-0.43009	-1.0988	2.3397	-1.1546	0.24359	80.538
Well Road D	Line 21	24.00000	24.60000	102.50000	-0.43009	-1.0988	2.3397	-0.22022	-1.1593	349.38
	1.0853	25.06667	24.40000	102.50000	-0.47708	-1.2741	2.5143	-0.23410	-1.3402	349.38
	2.1705	26.13333	24.20000	102.50000	-0.51655	-1.4223	2.5210	-0.24558	-1.4932	349.38
	3.2558	27.20000	24.00000	102.50000	-0.58207	-1.2113	2.1179	-0.34887	-1.2978	349.38
Well Road E	Line 22	27.20000	24.00000	102.50000	-0.58207	-1.2113	2.1179	-1.2769	-0.41898	46.169
	1.7328	28.40000	25.25000	102.50000	-0.32921	-0.42038	1.5395	-0.53125	-0.053636	46.169
	3.4655	29.60000	26.50000	102.50000	-0.079988	-0.091583	1.0623	-0.12146	-0.0057214	46.169
Well Road F	Line 23	29.60000	26.50000	102.50000	-0.079988	-0.091583	1.0623	-0.046142	0.11250	116.57
	1.1180	29.10000	27.50000	102.50000	-0.026268	-0.029070	1.0197	-0.014254	0.036496	116.57
	2.2361	28.60000	28.50000	102.50000	0.0	0.0	0.91600	0.0	0.0	116.57
Well Road G	Line 24	28.60000	28.50000	102.50000	0.0	0.0	0.91600	0.0	0.0	219.81
	0.39051	28.30000	28.25000	102.50000	-0.020085	-0.027130	1.0396	0.032798	0.0079835	219.81
	0.78102	28.00000	28.00000	102.50000	-0.048139	-0.066191	1.1659	0.079356	0.020032	219.81
Well Road H	Line 25	28.00000	28.00000	102.50000	-0.048139	-0.066191	1.1659	0.040813	0.070943	173.88
	0.93868	27.06667	28.10000	102.50000	-0.076857	-0.12513	1.3499	0.063089	0.13260	173.88
	1.8774	26.13333	28.20000	102.50000	-0.095011	-0.18862	1.3469	0.074375	0.19767	173.88
	2.8160	25.20000	28.30000	102.50000	-0.10018	-0.25323	1.1190	0.072631	0.26246	173.88
	3.7547	24.26667	28.40000	102.50000	-0.090973	-0.31386	1.0830	0.057019	0.32176	173.88
	4.6934	23.33333	28.50000	102.50000	-0.067884	-0.36423	1.1791	0.028696	0.36939	173.88
	5.6321	22.40000	28.60000	102.50000	-0.069933	-0.37764	1.1943	0.029304	0.38294	173.88

Type/No.		Coordinates			Displacements			Along the Line	Perpendicular to Line	Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z			
Well Road I	Line 26	22.40000	28.60000	104.00000	-0.069933	-0.37764	1.1943	0.032934	0.38264	174.43
	1.0299	21.37500	28.70000	104.00000	-0.072927	-0.39381	1.2120	0.034344	0.39903	174.43
	2.0597	20.35000	28.80000	104.00000	-0.075935	-0.41005	1.2296	0.035761	0.41549	174.43
	3.0896	19.32500	28.90000	104.00000	-0.078958	-0.42637	1.2473	0.037184	0.43202	174.43
	4.1195	18.30000	29.00000	104.00000	-0.081994	-0.44277	1.2649	0.038614	0.44864	174.43
Well Road J	Line 27	18.30000	29.00000	104.00000	-0.081994	-0.44277	1.2649	0.44996	0.017350	257.30
	0.90976	18.10000	28.11250	104.00000	-0.11423	-0.61686	1.4468	0.62688	0.024171	257.30
	1.8195	17.90000	27.22500	104.00000	-0.14867	-0.80283	1.6286	0.81587	0.031458	257.30
	2.7293	17.70000	26.33750	104.00000	-0.18590	-1.0039	1.8104	1.0202	0.039335	257.30
	3.6390	17.50000	25.45000	104.00000	-0.22651	-1.2231	1.9922	1.2430	0.047928	257.30
	4.5488	17.30000	24.56250	104.00000	-0.27109	-1.4639	2.1764	1.4876	0.057360	257.30
	5.4585	17.10000	23.67500	104.00000	-0.32023	-1.7292	2.3983	1.7573	0.067759	257.30
	6.3683	16.90000	22.78750	104.00000	-0.37453	-2.0224	2.5970	2.0553	0.079248	257.30
	7.2780	16.70000	21.90000	104.00000	-0.43457	-2.3467	2.7736	2.3848	0.091953	257.30
Well Road K	Line 28	22.40000	28.60000	102.50000	-0.069933	-0.37764	1.1943	0.38357	-0.019409	262.41
	1.0088	22.26667	27.60000	102.50000	-0.10500	-0.56701	1.3958	0.57592	-0.029143	262.41
	2.0177	22.13333	26.60000	102.50000	-0.14257	-0.76987	1.5973	0.78196	-0.039569	262.41
	3.0265	22.00000	25.60000	102.50000	-0.18344	-0.99056	1.8884	1.0061	-0.050912	262.41
	4.0354	21.86667	24.60000	102.50000	-0.22841	-1.2334	2.2723	1.2528	-0.063394	262.41
	5.0442	21.73333	23.60000	102.50000	-0.28207	-1.6273	2.6508	1.6503	-0.064529	262.41
	6.0531	21.60000	22.60000	102.50000	-0.31055	-2.1262	3.0259	2.1486	-0.026811	262.41
Well Road L	Line 29	21.60000	22.60000	102.50000	-0.31055	-2.1262	3.0259	0.11247	-2.1459	348.69
	1.0198	22.60000	22.40000	102.50000	-0.44619	-2.3018	3.1158	0.013886	-2.3446	348.69
	2.0396	23.60000	22.20000	102.50000	-0.60315	-2.2813	3.0928	-0.14405	-2.3552	348.69

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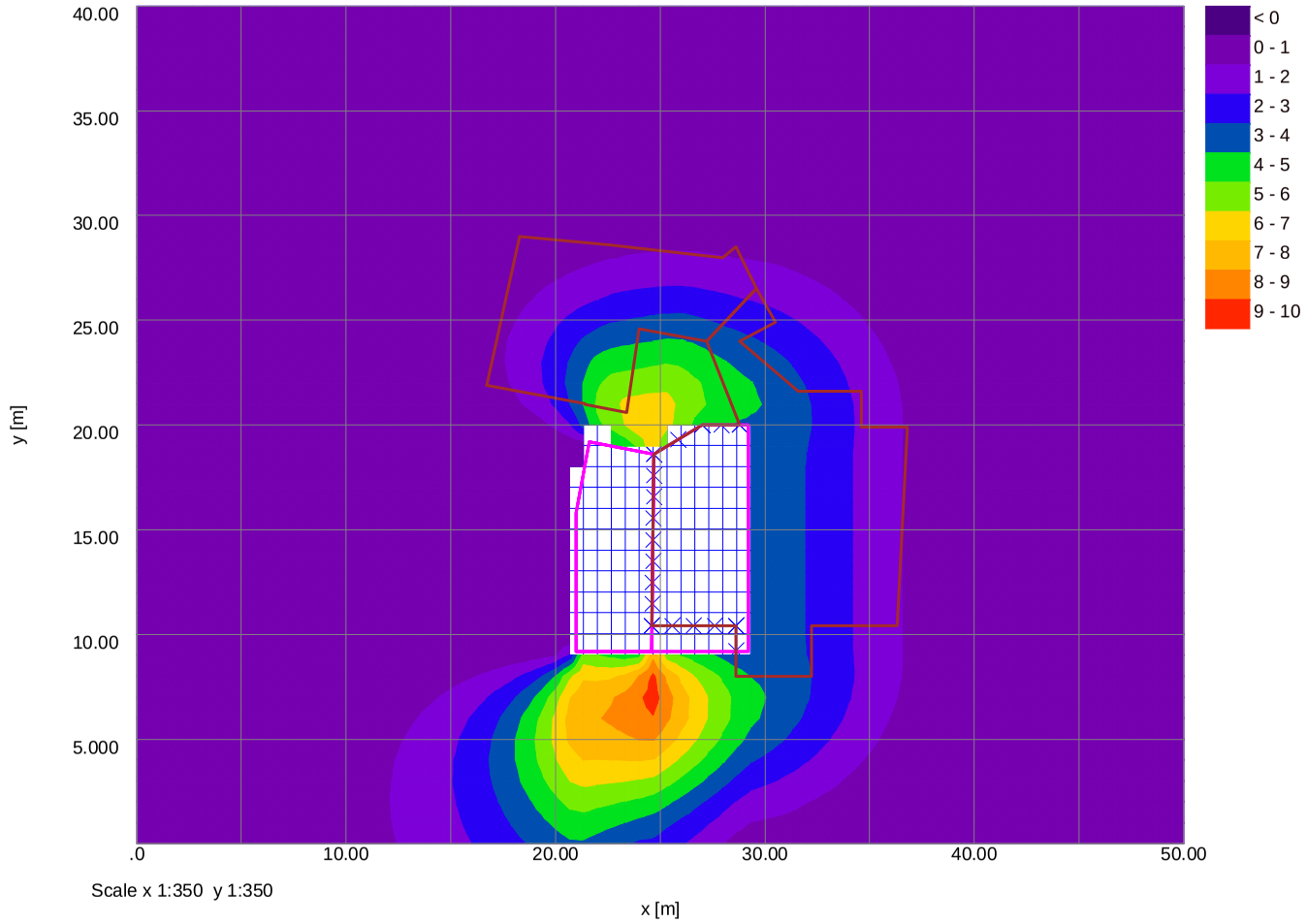
Combined Movements

Job No.	Sheet No.	Rev.
J15258		

Drg. Ref.

Made by	Date	Checked
ML	16-Oct-2016	

Vertical Settlement Contours: Grid 1 (level 105.000m) (Interval 1mm)



Scale x 1:350 y 1:350

Oasys

26 Christchurch Hill, London NW3 1LG

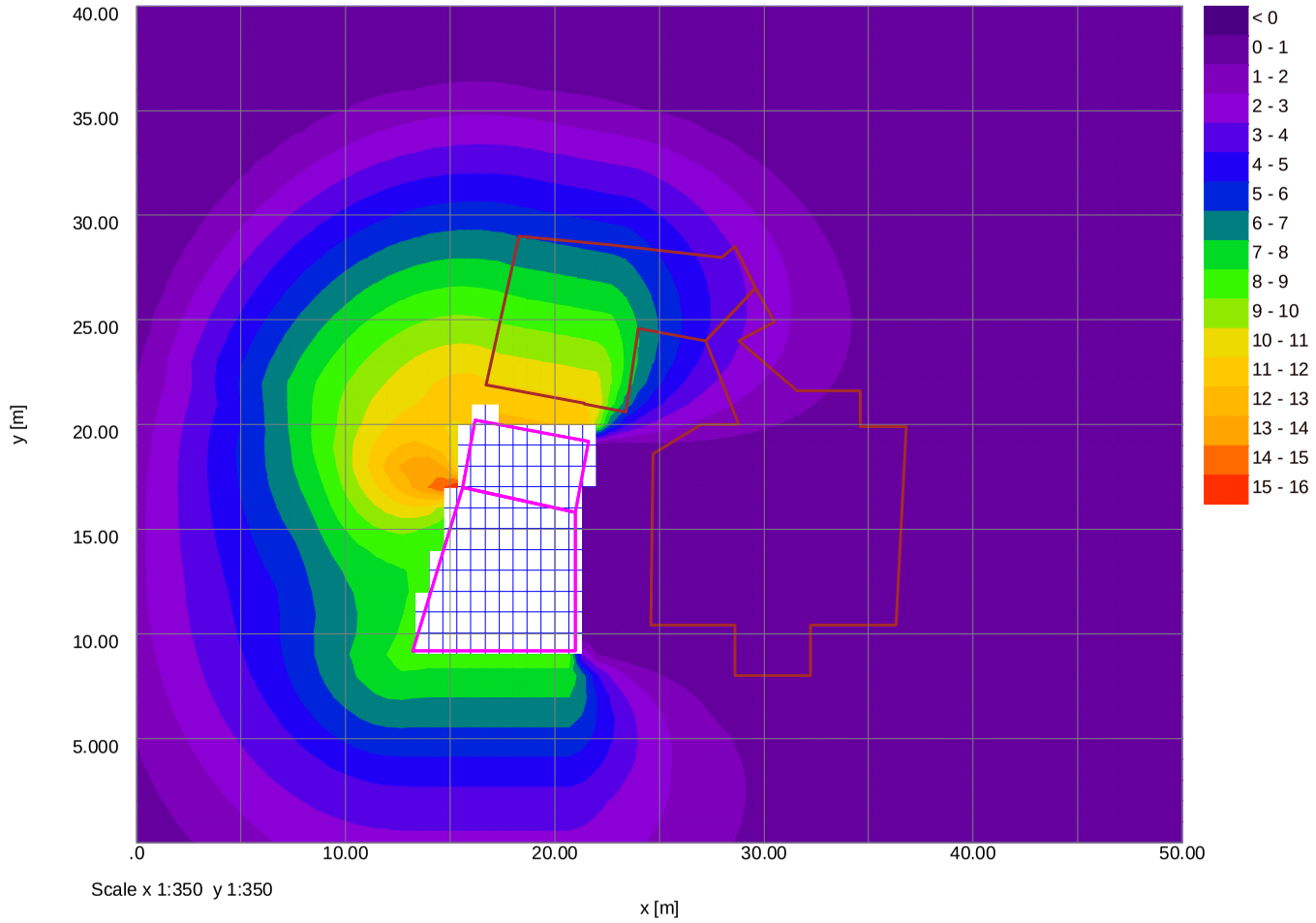
Combined Movements

Job No.	Sheet No.	Rev.
J15258		

Drg. Ref.

Made by	Date	Checked
ML	16-Oct-2016	

Horizontal Displacement Contours: Grid 1 (level 105.000m) Interval 1mm



Displacement and Strain Results

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
		[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
Grid 1	Grid 1	0.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		0.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		1.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		2.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		2.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		3.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		4.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		4.66667	0.00000	105.00000	0.0	0.0	0.010049	-	-	-
		5.33333	0.00000	105.00000	0.0	0.0	0.049473	-	-	-
		6.00000	0.00000	105.00000	0.0	0.0	0.091303	-	-	-
		6.66667	0.00000	105.00000	0.0	0.0	0.13573	-	-	-
		7.33333	0.00000	105.00000	0.0	0.0	0.18296	-	-	-
		8.00000	0.00000	105.00000	0.0	0.0	0.23320	-	-	-
		8.66667	0.00000	105.00000	0.0	0.0	0.32057	-	-	-
		9.33333	0.00000	105.00000	0.0	0.0	0.41889	-	-	-
		10.00000	0.00000	105.00000	0.0	0.0	0.52344	-	-	-
		10.66667	0.00000	105.00000	0.021471	0.019116	0.63467	-	-	-
		11.33333	0.00000	105.00000	0.11204	0.10663	0.76863	-	-	-
		12.00000	0.00000	105.00000	0.20626	0.21085	0.90604	-	-	-
		12.66667	0.00000	105.00000	0.29797	0.32896	1.0504	-	-	-
		13.33333	0.00000	105.00000	0.38512	0.46214	1.2047	-	-	-
		14.00000	0.00000	105.00000	0.47441	0.61936	1.3713	-	-	-
		14.66667	0.00000	105.00000	0.60944	0.84604	1.5620	-	-	-
		15.33333	0.00000	105.00000	0.76063	1.1277	1.7702	-	-	-
		16.00000	0.00000	105.00000	0.89182	1.4381	1.9911	-	-	-
		16.66667	0.00000	105.00000	0.99678	1.7762	2.2264	-	-	-
		17.33333	0.00000	105.00000	1.0688	2.1394	2.4765	-	-	-
		18.00000	0.00000	105.00000	1.1013	2.5232	2.7402	-	-	-
		18.66667	0.00000	105.00000	1.0881	2.9207	3.0147	-	-	-
		19.33333	0.00000	105.00000	1.0243	3.3229	3.2955	-	-	-
		20.00000	0.00000	105.00000	0.90707	3.7191	3.5771	-	-	-
		20.66667	0.00000	105.00000	0.73603	4.0966	3.8528	-	-	-
		21.33333	0.00000	105.00000	0.61240	4.2336	3.8605	-	-	-
		22.00000	0.00000	105.00000	0.55049	4.1626	3.6103	-	-	-
		22.66667	0.00000	105.00000	0.45464	4.0987	3.3577	-	-	-
		23.33333	0.00000	105.00000	0.32526	4.0874	3.0982	-	-	-
		24.00000	0.00000	105.00000	0.16536	4.2604	2.8267	-	-	-
		24.66667	0.00000	105.00000	-0.012441	4.3542	2.7822	-	-	-
		25.33333	0.00000	105.00000	-0.12925	4.0225	2.4385	-	-	-
		26.00000	0.00000	105.00000	-0.22900	3.6786	2.0860	-	-	-
		26.66667	0.00000	105.00000	-0.30835	3.3281	1.7273	-	-	-
		27.33333	0.00000	105.00000	-0.36575	2.9751	1.3654	-	-	-
		28.00000	0.00000	105.00000	-0.40117	2.8105	1.0028	-	-	-
		28.66667	0.00000	105.00000	-0.41590	2.6659	0.64197	-	-	-
		29.33333	0.00000	105.00000	-0.43706	2.5254	0.59617	-	-	-
		30.00000	0.00000	105.00000	-0.54061	2.3739	0.55372	-	-	-
		30.66667	0.00000	105.00000	-0.62415	2.2055	0.50664	-	-	-
		31.33333	0.00000	105.00000	-0.68517	2.0233	0.45625	-	-	-
		32.00000	0.00000	105.00000	-0.72184	1.8303	0.40385	-	-	-
		32.66667	0.00000	105.00000	-0.73306	1.6302	0.35055	-	-	-
		33.33333	0.00000	105.00000	-0.71854	1.4261	0.29715	-	-	-
		34.00000	0.00000	105.00000	-0.67870	1.2212	0.24397	-	-	-
		34.66667	0.00000	105.00000	-0.61459	1.0181	0.19060	-	-	-
		35.33333	0.00000	105.00000	-0.57057	0.85586	0.14827	-	-	-
		36.00000	0.00000	105.00000	-0.52597	0.71161	0.11859	-	-	-
		36.66667	0.00000	105.00000	-0.46112	0.56817	0.094784	-	-	-
		37.33333	0.00000	105.00000	-0.37761	0.42713	0.075706	-	-	-
		38.00000	0.00000	105.00000	-0.27708	0.28967	0.058698	-	-	-
		38.66667	0.00000	105.00000	-0.16117	0.15663	0.039369	-	-	-
		39.33333	0.00000	105.00000	-0.031470	0.028572	0.011409	-	-	-
		40.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		40.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		41.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		43.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		45.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		47.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		49.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		50.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		0.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		0.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		1.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		2.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		2.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		3.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		4.00000	1.00000	105.00525	0.0	0.0	0.0014694	-	-	-
		4.66667	1.00000	105.00525	0.0	0.0	0.036957	-	-	-
		5.33333	1.00000	105.00525	0.0	0.0	0.074725	-	-	-
		6.00000	1.00000	105.00525	0.0	0.0	0.11497	-	-	-
		6.66667	1.00000	105.00525	0.0	0.0	0.15792	-	-	-
		7.33333	1.00000	105.00525	0.0	0.0	0.20381	-	-	-
		8.00000	1.00000	105.00525	0.0	0.0	0.27578	-	-	-
		8.66667	1.00000	105.00525	0.0	0.0	0.36577	-	-	-
		9.33333	1.00000	105.00525	0.0	0.0	0.46194	-	-	-
		10.00000	1.00000	105.00525	0.036747	0.027393	0.56852	-	-	-
		10.66667	1.00000	105.00525	0.13515	0.10725	0.69206	-	-	-
		11.33333	1.00000	105.00525	0.23539	0.19968	0.82044	-	-	-
		12.00000	1.00000	105.00525	0.33637	0.30647	0.95759	-	-	-
		12.66667	1.00000	105.00525	0.43655	0.42957	1.1071	-	-	-
		13.33333	1.00000	105.00525	0.54835	0.58151	1.2720	-	-	-
		14.00000	1.00000	105.00525	0.72157	0.80691	1.4672	-	-	-
		14.66667	1.00000	105.00525	0.90380	1.0778	1.6809	-	-	-
		15.33333	1.00000	105.00525	1.0730	1.3849	1.9144	-	-	-
		16.00000	1.00000	105.00525	1.2221	1.7300	2.1708	-	-	-
		16.66667	1.00000	105.00525	1.3431	2.1135	2.4517	-	-	-
		17.33333	1.00000	105.00525	1.4267	2.5338	2.7571	-	-	-
		18.00000	1.00000	105.00525	1.4631	2.9866	3.0849	-	-	-
		18.66667	1.00000	105.00525	1.4427	3.4645	3.4311	-	-	-
		19.33333	1.00000	105.00525	1.3574	3.9567	3.7898	-	-	-
		20.00000	1.00000	105.00525	1.2016	4.4492	4.1532	-	-	-
		20.66667	1.00000	105.00525	0.97334	4.9254	4.5118	-	-	-
		21.33333	1.00000	105.00525	0.81069	5.1303	4.5827	-	-	-
		22.00000	1.00000	105.00525	0.73419	5.1020	4.3788	-	-	-
		22.66667	1.00000	105.00525	0.61121	5.0863	4.1741	-	-	-
		23.33333	1.00000	105.00525	0.44072	5.0705	3.9620	-	-	-
		24.00000	1.00000	105.00525	0.22566	5.1840	3.7354	-	-	-
		24.66667	1.00000	105.00525	-0.016983	5.3188	3.5256	-	-	-
		25.33333	1.00000	105.00525	-0.17533	4.9426	3.1620	-	-	-
		26.00000	1.00000	105.00525	-0.30844	4.5501	2.7856	-	-	-
		26.66667	1.00000	105.00525	-0.41222	4.1506	2.4003	-	-	-
		27.33333	1.00000	105.00525	-0.48537	3.7527	2.0105	-	-	-
		28.00000	1.00000	105.00525	-0.52896	3.3757	1.6201	-	-	-
		28.66667	1.00000	105.00525	-0.54577	3.2005	1.2327	-	-	-
		29.33333	1.00000	105.00525	-0.57374	3.0341	0.96205	-	-	-
		30.00000	1.00000	105.00525	-0.71717	2.8571	0.89344	-	-	-
		30.66667	1.00000	105.00525	-0.83624	2.6613	0.81765	-	-	-
		31.33333	1.00000	105.00525	-0.92755	2.4504	0.73671	-	-	-
		32.00000	1.00000	105.00525	-0.98867	2.2284	0.65275	-	-	-
		32.66667	1.00000	105.00525	-1.0183	1.9997	0.56790	-	-	-
		33.33333	1.00000	105.00525	-1.0164	1.7687	0.48412	-	-	-
		34.00000	1.00000	105.00525	-0.98403	1.5392	0.40304	-	-	-
		34.66667	1.00000	105.00525	-0.92294	1.3142	0.32570	-	-	-
		35.33333	1.00000	105.00525	-0.83550	1.0965	0.25230	-	-	-
		36.00000	1.00000	105.00525	-0.75339	0.90850	0.18920	-	-	-
		36.66667	1.00000	105.00525	-0.68418	0.75137	0.14538	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	37.33333	1.00000	105.00525	-0.59431	0.59918	0.11153	-	-	-
	38.00000	1.00000	105.00525	-0.48607	0.45293	0.086257	-	-	-
	38.66667	1.00000	105.00525	-0.36160	0.31322	0.066382	-	-	-
	39.33333	1.00000	105.00525	-0.22286	0.18034	0.046702	-	-	-
	40.00000	1.00000	105.00525	-0.071610	0.054370	0.019850	-	-	-
	40.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	41.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	42.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	42.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	43.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	44.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	44.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	45.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	46.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	46.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	47.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	48.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	48.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	49.33333	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	50.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
	0.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	0.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	1.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	2.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	2.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	3.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	4.00000	2.00000	105.01050	0.0	0.0	0.022349	-	-	-
	4.66667	2.00000	105.01050	0.0	0.0	0.055514	-	-	-
	5.33333	2.00000	105.01050	0.0	0.0	0.090944	-	-	-
	6.00000	2.00000	105.01050	0.0	0.0	0.12886	-	-	-
	6.66667	2.00000	105.01050	0.0	0.0	0.16951	-	-	-
	7.33333	2.00000	105.01050	0.0	0.0	0.22303	-	-	-
	8.00000	2.00000	105.01050	0.0	0.0	0.30292	-	-	-
	8.66667	2.00000	105.01050	0.0	0.0	0.38863	-	-	-
	9.33333	2.00000	105.01050	0.035406	0.021851	0.48419	-	-	-
	10.00000	2.00000	105.01050	0.13236	0.086633	0.59538	-	-	-
	10.66667	2.00000	105.01050	0.23349	0.16269	0.71163	-	-	-
	11.33333	2.00000	105.01050	0.33839	0.25204	0.83719	-	-	-
	12.00000	2.00000	105.01050	0.44626	0.35700	0.97608	-	-	-
	12.66667	2.00000	105.01050	0.56900	0.48817	1.1320	-	-	-
	13.33333	2.00000	105.01050	0.75909	0.68463	1.3197	-	-	-
	14.00000	2.00000	105.01050	0.96549	0.92507	1.5295	-	-	-
	14.66667	2.00000	105.01050	1.1684	1.2051	1.7642	-	-	-
	15.33333	2.00000	105.01050	1.3617	1.5294	2.0288	-	-	-
	16.00000	2.00000	105.01050	1.5372	1.9024	2.3269	-	-	-
	16.66667	2.00000	105.01050	1.6846	2.3269	2.6603	-	-	-
	17.33333	2.00000	105.01050	1.7913	2.8034	3.0293	-	-	-
	18.00000	2.00000	105.01050	1.8432	3.3291	3.4316	-	-	-
	18.66667	2.00000	105.01050	1.8256	3.8964	3.8626	-	-	-
	19.33333	2.00000	105.01050	1.7249	4.4927	4.3148	-	-	-
	20.00000	2.00000	105.01050	1.5312	5.0998	4.7782	-	-	-
	20.66667	2.00000	105.01050	1.2396	5.6954	5.2406	-	-	-
	21.33333	2.00000	105.01050	1.0363	5.9823	5.3896	-	-	-
	22.00000	2.00000	105.01050	0.95099	6.0067	5.2417	-	-	-
	22.66667	2.00000	105.01050	0.80217	6.0516	5.0966	-	-	-
	23.33333	2.00000	105.01050	0.58552	6.1019	4.9456	-	-	-
	24.00000	2.00000	105.01050	0.30295	6.1358	4.7788	-	-	-
	24.66667	2.00000	105.01050	-0.022779	6.2996	4.5673	-	-	-
	25.33333	2.00000	105.01050	-0.23315	5.8684	4.1588	-	-	-
	26.00000	2.00000	105.01050	-0.40579	5.4147	3.7238	-	-	-
	26.66667	2.00000	105.01050	-0.53581	4.9531	3.2709	-	-	-
	27.33333	2.00000	105.01050	-0.62292	4.4972	2.8085	-	-	-
	28.00000	2.00000	105.01050	-0.67043	4.0574	2.3443	-	-	-
	28.66667	2.00000	105.01050	-0.68388	3.6858	1.9249	-	-	-
	29.33333	2.00000	105.01050	-0.71558	3.4929	1.5749	-	-	-
	30.00000	2.00000	105.01050	-0.90603	3.2894	1.4591	-	-	-
	30.66667	2.00000	105.01050	-1.0670	3.0640	1.3239	-	-	-
	31.33333	2.00000	105.01050	-1.1933	2.8211	1.1743	-	-	-
	32.00000	2.00000	105.01050	-1.2813	2.5665	1.0154	-	-	-
	32.66667	2.00000	105.01050	-1.3297	2.3060	0.85644	-	-	-
	33.33333	2.00000	105.01050	-1.3389	2.0466	0.73436	-	-	-
	34.00000	2.00000	105.01050	-1.3110	1.7900	0.61612	-	-	-
	34.66667	2.00000	105.01050	-1.2492	1.5431	0.50416	-	-	-
	35.33333	2.00000	105.01050	-1.1572	1.3074	0.40018	-	-	-
	36.00000	2.00000	105.01050	-1.0388	1.0848	0.30489	-	-	-
	36.66667	2.00000	105.01050	-0.92519	0.89215	0.22419	-	-	-
	37.33333	2.00000	105.01050	-0.82484	0.73019	0.16664	-	-	-
	38.00000	2.00000	105.01050	-0.70523	0.57701	0.12344	-	-	-
	38.66667	2.00000	105.01050	-0.56902	0.43278	0.092558	-	-	-
	39.33333	2.00000	105.01050	-0.41856	0.29740	0.069881	-	-	-
	40.00000	2.00000	105.01050	-0.25586	0.17057	0.049008	-	-	-
	40.66667	2.00000	105.01050	-0.082656	0.051900	0.021130	-	-	-
	41.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	42.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	42.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	43.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	44.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	44.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	45.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	46.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	46.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	47.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	48.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	48.66667	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	49.33333	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	50.00000	2.00000	105.01050	0.0	0.0	0.0	-	-	-
	0.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	0.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	1.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	2.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	2.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	3.33333	3.00000	105.01575	0.0	0.0	0.0076059	-	-	-
	4.00000	3.00000	105.01575	0.0	0.0	0.035831	-	-	-
	4.66667	3.00000	105.01575	0.0	0.0	0.066032	-	-	-
	5.33333	3.00000	105.01575	0.0	0.0	0.098413	-	-	-
	6.00000	3.00000	105.01575	0.0	0.0	0.13320	-	-	-
	6.66667	3.00000	105.01575	0.0	0.0	0.17066	-	-	-
	7.33333	3.00000	105.01575	0.0	0.0	0.23598	-	-	-
	8.00000	3.00000	105.01575	0.0	0.0	0.30975	-	-	-
	8.66667	3.00000	105.01575	0.017912	0.0090042	0.38927	-	-	-
	9.33333	3.00000	105.01575	0.10788	0.057333	0.48730	-	-	-
	10.00000	3.00000	105.01575	0.20394	0.11495	0.58877	-	-	-
	10.66667	3.00000	105.01575	0.30588	0.18353	0.69877	-	-	-
	11.33333	3.00000	105.01575	0.41370	0.26534	0.82152	-	-	-
	12.00000	3.00000	105.01575	0.53386	0.36643	0.96114	-	-	-
	12.66667	3.00000	105.01575	0.71738	0.51754	1.1298	-	-	-
	13.33333	3.00000	105.01575	0.93383	0.71198	1.3241	-	-	-
	14.00000	3.00000	105.01575	1.1568	0.94398	1.5456	-	-	-
	14.66667	3.00000	105.01575	1.3824	1.2204	1.8008	-	-	-
	15.33333	3.00000	105.01575	1.6046	1.5489	2.0952	-	-	-
	16.00000	3.00000	105.01575	1.8147	1.9370	2.4336	-	-	-
	16.66667	3.00000	105.01575	2.0003	2.3917	2.8190	-	-	-
	17.33333	3.00000	105.01575	2.1452	2.9178	3.2526	-	-	-
	18.00000	3.00000	105.01575	2.2292	3.5159	3.7332	-	-	-
	18.66667	3.00000	105.01575	2.2299	4.1801	4.2564	-	-	-
	19.33333	3.00000	105.01575	2.1248	4.8961	4.8142	-	-	-
	20.00000	3.00000	105.01575	1.8958	5.6400	5.3946	-	-	-
	20.66667	3.00000	105.01575	1.5332	6.3806	5.9818	-	-	-
	21.33333	3.00000	105.01575	1.2881	6.7658	6.2236	-	-	-
	22.00000	3.00000	105.01575	1.2060	6.8548	6.1396	-	-	-
	22.66667	3.00000	105.01575	1.0375	6.9784	6.0659	-	-	-
	23.33333	3.00000	105.01575	0.77104	7.1160	5.9917	-	-	-
	24.00000	3.00000	105.01575	0.40502	7.2393	5.9031	-	-	-
	24.66667	3.00000	105.01575	-0.030431	7.2990	5.7543	-	-	-
	25.33333	3.00000	105.01575	-0.30774	6.7979	5.2893	-	-	-
	26.00000	3.00000	105.01575	-0.52733	6.2662	4.7944	-	-	-
	26.66667	3.00000	105.01575	-0.68382	5.7264	4.2819	-	-	-
	27.33333	3.00000	105.01575	-0.77978	5.1987	3.7632	-	-	-
	28.00000	3.00000	105.01575	-0.82322	4.6989	3.2472	-	-	-
	28.66667	3.00000	105.01575	-0.82462	4.2361	2.7413	-	-	-
	29.33333	3.00000	105.01575	-0.85594	3.8897	2.3079	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	30.00000	3.00000	105.01575	-1.1051	3.6604	2.1266	-	-	-
	30.66667	3.00000	105.01575	-1.3182	3.4028	1.9419	-	-	-
	31.33333	3.00000	105.01575	-1.4865	3.1234	1.7410	-	-	-
	32.00000	3.00000	105.01575	-1.6045	2.8309	1.5298	-	-	-
	32.66667	3.00000	105.01575	-1.6710	2.5343	1.3139	-	-	-
	33.33333	3.00000	105.01575	-1.6880	2.2417	1.0988	-	-	-
	34.00000	3.00000	105.01575	-1.6597	1.9594	0.88950	-	-	-
	34.66667	3.00000	105.01575	-1.5916	1.6916	0.72346	-	-	-
	35.33333	3.00000	105.01575	-1.4895	1.4407	0.58175	-	-	-
	36.00000	3.00000	105.01575	-1.3588	1.2078	0.45284	-	-	-
	36.66667	3.00000	105.01575	-1.2045	0.99287	0.33777	-	-	-
	37.33333	3.00000	105.01575	-1.0656	0.81229	0.24470	-	-	-
	38.00000	3.00000	105.01575	-0.93047	0.65556	0.17677	-	-	-
	38.66667	3.00000	105.01575	-0.77917	0.51030	0.12733	-	-	-
	39.33333	3.00000	105.01575	-0.61430	0.37585	0.093245	-	-	-
	40.00000	3.00000	105.01575	-0.43803	0.25146	0.069040	-	-	-
	40.66667	3.00000	105.01575	-0.25218	0.13635	0.046702	-	-	-
	41.33333	3.00000	105.01575	-0.058227	0.029754	0.015604	-	-	-
	42.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	42.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	43.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	44.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	44.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	45.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	46.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	46.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	47.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	48.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	48.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	49.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	50.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	0.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	0.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	1.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	2.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	2.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	3.33333	4.00000	105.02100	0.0	0.0	0.017638	-	-	-
	4.00000	4.00000	105.02100	0.0	0.0	0.042425	-	-	-
	4.66667	4.00000	105.02100	0.0	0.0	0.069026	-	-	-
	5.33333	4.00000	105.02100	0.0	0.0	0.097640	-	-	-
	6.00000	4.00000	105.02100	0.0	0.0	0.12849	-	-	-
	6.66667	4.00000	105.02100	0.0	0.0	0.17030	-	-	-
	7.33333	4.00000	105.02100	0.0	0.0	0.23126	-	-	-
	8.00000	4.00000	105.02100	0.0073813	0.0029525	0.29711	-	-	-
	8.66667	4.00000	105.02100	0.069603	0.029346	0.37608	-	-	-
	9.33333	4.00000	105.02100	0.15494	0.069060	0.46115	-	-	-
	10.00000	4.00000	105.02100	0.24702	0.11677	0.55289	-	-	-
	10.66667	4.00000	105.02100	0.34644	0.17434	0.65538	-	-	-
	11.33333	4.00000	105.02100	0.45369	0.24406	0.77274	-	-	-
	12.00000	4.00000	105.02100	0.60709	0.34449	0.91300	-	-	-
	12.66667	4.00000	105.02100	0.81503	0.48556	1.0813	-	-	-
	13.33333	4.00000	105.02100	1.0370	0.65719	1.2754	-	-	-
	14.00000	4.00000	105.02100	1.2722	0.86664	1.5026	-	-	-
	14.66667	4.00000	105.02100	1.5182	1.1227	1.7701	-	-	-
	15.33333	4.00000	105.02100	1.7704	1.4359	2.0848	-	-	-
	16.00000	4.00000	105.02100	2.0206	1.8183	2.4528	-	-	-
	16.66667	4.00000	105.02100	2.2559	2.2826	2.8794	-	-	-
	17.33333	4.00000	105.02100	2.4567	2.8411	3.3684	-	-	-
	18.00000	4.00000	105.02100	2.5959	3.5019	3.9212	-	-	-
	18.66667	4.00000	105.02100	2.6392	4.2649	4.5356	-	-	-
	19.33333	4.00000	105.02100	2.5487	5.1165	5.2046	-	-	-
	20.00000	4.00000	105.02100	2.2904	6.0255	5.9155	-	-	-
	20.66667	4.00000	105.02100	1.8447	6.9446	6.6489	-	-	-
	21.33333	4.00000	105.02100	1.5566	7.4446	6.9965	-	-	-
	22.00000	4.00000	105.02100	1.5002	7.6081	6.9802	-	-	-
	22.66667	4.00000	105.02100	1.3286	7.8341	6.9882	-	-	-
	23.33333	4.00000	105.02100	1.0144	8.0939	7.0079	-	-	-
	24.00000	4.00000	105.02100	0.54498	8.3429	7.0215	-	-	-
	24.66667	4.00000	105.02100	-0.042751	8.4557	6.9581	-	-	-
	25.33333	4.00000	105.02100	-0.42379	7.8410	6.4167	-	-	-
	26.00000	4.00000	105.02100	-0.70465	7.1743	5.8457	-	-	-
	26.66667	4.00000	105.02100	-0.87954	6.4987	5.2623	-	-	-
	27.33333	4.00000	105.02100	-0.95957	5.8495	4.6810	-	-	-
	28.00000	4.00000	105.02100	-0.97911	5.2718	4.1120	-	-	-
	28.66667	4.00000	105.02100	-0.95554	4.7611	3.5623	-	-	-
	29.33333	4.00000	105.02100	-0.98607	4.3512	3.0899	-	-	-
	30.00000	4.00000	105.02100	-1.3327	4.0950	2.8296	-	-	-
	30.66667	4.00000	105.02100	-1.6265	3.7773	2.5532	-	-	-
	31.33333	4.00000	105.02100	-1.8444	3.4111	2.3033	-	-	-
	32.00000	4.00000	105.02100	-1.9736	3.0153	2.0400	-	-	-
	32.66667	4.00000	105.02100	-2.0477	2.6634	1.7741	-	-	-
	33.33333	4.00000	105.02100	-2.0654	2.3365	1.5106	-	-	-
	34.00000	4.00000	105.02100	-2.0282	2.0286	1.2536	-	-	-
	34.66667	4.00000	105.02100	-1.9454	1.7437	1.0084	-	-	-
	35.33333	4.00000	105.02100	-1.8258	1.4831	0.78682	-	-	-
	36.00000	4.00000	105.02100	-1.6767	1.2464	0.62066	-	-	-
	36.66667	4.00000	105.02100	-1.5044	1.0324	0.47249	-	-	-
	37.33333	4.00000	105.02100	-1.3139	0.83914	0.34340	-	-	-
	38.00000	4.00000	105.02100	-1.1553	0.68267	0.24549	-	-	-
	38.66667	4.00000	105.02100	-0.98577	0.54148	0.17296	-	-	-
	39.33333	4.00000	105.02100	-0.80417	0.41267	0.12206	-	-	-
	40.00000	4.00000	105.02100	-0.61268	0.29500	0.088149	-	-	-
	40.66667	4.00000	105.02100	-0.41302	0.18730	0.063920	-	-	-
	41.33333	4.00000	105.02100	-0.20658	0.088532	0.039369	-	-	-
	42.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	42.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	43.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	44.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	44.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	45.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	46.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	46.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	47.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	48.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	48.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	49.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	50.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	0.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	0.66667	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	1.33333	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	2.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	2.66667	5.00000	105.02625	0.0	0.0	0.0026302	-	-	-
	3.33333	5.00000	105.02625	0.0	0.0	0.022019	-	-	-
	4.00000	5.00000	105.02625	0.0	0.0	0.042831	-	-	-
	4.66667	5.00000	105.02625	0.0	0.0	0.065224	-	-	-
	5.33333	5.00000	105.02625	0.0	0.0	0.089381	-	-	-
	6.00000	5.00000	105.02625	0.0	0.0	0.11551	-	-	-
	6.66667	5.00000	105.02625	0.0	0.0	0.15852	-	-	-
	7.33333	5.00000	105.02625	0.0	0.0	0.21034	-	-	-
	8.00000	5.00000	105.02625	0.027375	0.0088444	0.26912	-	-	-
	8.66667	5.00000	105.02625	0.097706	0.033273	0.33739	-	-	-
	9.33333	5.00000	105.02625	0.17441	0.062789	0.40986	-	-	-
	10.00000	5.00000	105.02625	0.25835	0.098644	0.49014	-	-	-
	10.66667	5.00000	105.02625	0.35047	0.14245	0.58195	-	-	-
	11.33333	5.00000	105.02625	0.46093	0.19918	0.68915	-	-	-
	12.00000	5.00000	105.02625	0.63389	0.28639	0.82319	-	-	-
	12.66667	5.00000	105.02625	0.83226	0.39720	0.97953	-	-	-
	13.33333	5.00000	105.02625	1.0493	0.53475	1.1642	-	-	-
	14.00000	5.00000	105.02625	1.2861	0.70659	1.3847	-	-	-
	14.66667	5.00000	105.02625	1.5427	0.92258	1.6490	-	-	-
	15.33333	5.00000	105.02625	1.8176	1.1955	1.9650	-	-	-
	16.00000	5.00000	105.02625	2.1056	1.5416	2.3410	-	-	-
	16.66667	5.00000	105.02625	2.3963	1.9810	2.7854	-	-	-
	17.33333	5.00000	105.02625	2.6698	2.5366	3.3062	-	-	-
	18.00000	5.00000	105.02625	2.8933	3.2313	3.9099	-	-	-
	18.66667	5.00000	105.02625	3.0172	4.0807	4.6005	-	-	-
	19.33333	5.00000	105.02625	2.9764	5.0805	5.3761	-	-	-
	20.00000	5.00000	105.02625	2.7028	6.1925	6.2259	-	-	-
	20.66667	5.00000	105.02625	2.1513	7.3392	7.1272	-	-	-
	21.33333	5.00000	105.02625	1.8114	7.9676	7.5906	-	-	-
	22.00000	5.00000	105.02625	1.8201	8.2036	7.6369	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	22.66667	5.00000	105.02625	1.6840	8.5556	7.7316	-	-	-
	23.33333	5.00000	105.02625	1.3410	8.9901	7.8636	-	-	-
	24.00000	5.00000	105.02625	0.74655	9.4340	8.0108	-	-	-
	24.66667	5.00000	105.02625	-0.061692	9.6856	8.0668	-	-	-
	25.33333	5.00000	105.02625	-0.59508	8.9105	7.4219	-	-	-
	26.00000	5.00000	105.02625	-0.95314	8.0697	6.7555	-	-	-
	26.66667	5.00000	105.02625	-1.1402	7.2412	6.0921	-	-	-
	27.33333	5.00000	105.02625	-1.1921	6.4770	5.4479	-	-	-
	28.00000	5.00000	105.02625	-1.1529	5.8003	4.8320	-	-	-
	28.66667	5.00000	105.02625	-1.0598	5.2148	4.2487	-	-	-
	29.33333	5.00000	105.02625	-1.0854	4.7819	3.7486	-	-	-
	30.00000	5.00000	105.02625	-1.5911	4.5130	3.4484	-	-	-
	30.66667	5.00000	105.02625	-2.0189	4.1422	3.1313	-	-	-
	31.33333	5.00000	105.02625	-2.3271	3.7014	2.8016	-	-	-
	32.00000	5.00000	105.02625	-2.5010	3.2301	2.5003	-	-	-
	32.66667	5.00000	105.02625	-2.5474	2.7609	2.1940	-	-	-
	33.33333	5.00000	105.02625	-2.4835	2.3151	1.8844	-	-	-
	34.00000	5.00000	105.02625	-2.4096	1.9735	1.5872	-	-	-
	34.66667	5.00000	105.02625	-2.3005	1.6808	1.3037	-	-	-
	35.33333	5.00000	105.02625	-2.1543	1.4211	1.0371	-	-	-
	36.00000	5.00000	105.02625	-1.9804	1.1914	0.79473	-	-	-
	36.66667	5.00000	105.02625	-1.7857	0.98832	0.61297	-	-	-
	37.33333	5.00000	105.02625	-1.5757	0.80852	0.45446	-	-	-
	38.00000	5.00000	105.02625	-1.3703	0.65403	0.32345	-	-	-
	38.66667	5.00000	105.02625	-1.1803	0.52368	0.22637	-	-	-
	39.33333	5.00000	105.02625	-0.98064	0.40645	0.15626	-	-	-
	40.00000	5.00000	105.02625	-0.77312	0.30066	0.10917	-	-	-
	40.66667	5.00000	105.02625	-0.55929	0.20486	0.078435	-	-	-
	41.33333	5.00000	105.02625	-0.34030	0.11780	0.054572	-	-	-
	42.00000	5.00000	105.02625	-0.11706	0.038412	0.025231	-	-	-
	42.66667	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	43.33333	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	44.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	44.66667	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	45.33333	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	46.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	46.66667	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	47.33333	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	48.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	48.66667	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	49.33333	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	50.00000	5.00000	105.02625	0.0	0.0	0.0	-	-	-
	0.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	0.66667	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	1.33333	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	2.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	2.66667	6.00000	105.03150	0.0	0.0	0.0063694	-	-	-
	3.33333	6.00000	105.03150	0.0	0.0	0.021580	-	-	-
	4.00000	6.00000	105.03150	0.0	0.0	0.037938	-	-	-
	4.66667	6.00000	105.03150	0.0	0.0	0.055576	-	-	-
	5.33333	6.00000	105.03150	0.0	0.0	0.074649	-	-	-
	6.00000	6.00000	105.03150	0.0	0.0	0.095948	-	-	-
	6.66667	6.00000	105.03150	0.0	0.0	0.13403	-	-	-
	7.33333	6.00000	105.03150	0.0038031	890.48E-6	0.17527	-	-	-
	8.00000	6.00000	105.03150	0.044094	0.010854	0.22470	-	-	-
	8.66667	6.00000	105.03150	0.10213	0.026500	0.27842	-	-	-
	9.33333	6.00000	105.03150	0.16611	0.045562	0.33675	-	-	-
	10.00000	6.00000	105.03150	0.23699	0.068943	0.40270	-	-	-
	10.66667	6.00000	105.03150	0.31590	0.097827	0.47942	-	-	-
	11.33333	6.00000	105.03150	0.42735	0.13938	0.57248	-	-	-
	12.00000	6.00000	105.03150	0.58431	0.19952	0.68672	-	-	-
	12.66667	6.00000	105.03150	0.75939	0.27487	0.82150	-	-	-
	13.33333	6.00000	105.03150	0.95543	0.37021	0.98353	-	-	-
	14.00000	6.00000	105.03150	1.1755	0.49208	1.1800	-	-	-
	14.66667	6.00000	105.03150	1.4225	0.64960	1.4187	-	-	-
	15.33333	6.00000	105.03150	1.6992	0.85560	1.7086	-	-	-
	16.00000	6.00000	105.03150	2.0062	1.1281	2.0596	-	-	-
	16.66667	6.00000	105.03150	2.3403	1.4926	2.4833	-	-	-
	17.33333	6.00000	105.03150	2.6894	1.9839	2.9932	-	-	-
	18.00000	6.00000	105.03150	3.0238	2.6468	3.6043	-	-	-
	18.66667	6.00000	105.03150	3.2833	3.5312	4.3326	-	-	-
	19.33333	6.00000	105.03150	3.3624	4.6712	5.1905	-	-	-
	20.00000	6.00000	105.03150	3.1149	6.0415	6.1790	-	-	-
	20.66667	6.00000	105.03150	2.4127	7.5091	7.2757	-	-	-
	21.33333	6.00000	105.03150	1.9778	8.2772	7.8626	-	-	-
	22.00000	6.00000	105.03150	2.1089	8.5459	7.9484	-	-	-
	22.66667	6.00000	105.03150	2.0878	9.0226	8.1206	-	-	-
	23.33333	6.00000	105.03150	1.7836	9.6980	8.3792	-	-	-
	24.00000	6.00000	105.03150	1.0568	10.466	8.7046	-	-	-
	24.66667	6.00000	105.03150	-0.092888	10.964	8.9367	-	-	-
	25.33333	6.00000	105.03150	-0.85426	9.9263	8.1466	-	-	-
	26.00000	6.00000	105.03150	-1.2806	8.8219	7.3632	-	-	-
	26.66667	6.00000	105.03150	-1.4256	7.8024	6.6177	-	-	-
	27.33333	6.00000	105.03150	-1.3933	6.9313	5.9232	-	-	-
	28.00000	6.00000	105.03150	-1.2718	6.2091	5.2808	-	-	-
	28.66667	6.00000	105.03150	-1.1159	5.6117	4.6869	-	-	-
	29.33333	6.00000	105.03150	-1.1429	5.1700	4.1821	-	-	-
	30.00000	6.00000	105.03150	-1.9113	4.8661	3.8698	-	-	-
	30.66667	6.00000	105.03150	-2.5426	4.3884	3.5425	-	-	-
	31.33333	6.00000	105.03150	-2.9530	3.8183	3.1994	-	-	-
	32.00000	6.00000	105.03150	-3.1467	3.2388	2.8500	-	-	-
	32.66667	6.00000	105.03150	-3.1628	2.6984	2.5203	-	-	-
	33.33333	6.00000	105.03150	-3.0455	2.2168	2.1896	-	-	-
	34.00000	6.00000	105.03150	-2.8317	1.7966	1.8605	-	-	-
	34.66667	6.00000	105.03150	-2.6364	1.4843	1.5462	-	-	-
	35.33333	6.00000	105.03150	-2.4552	1.2436	1.2535	-	-	-
	36.00000	6.00000	105.03150	-2.2517	1.0370	0.98200	-	-	-
	36.66667	6.00000	105.03150	-2.0326	0.85869	0.74547	-	-	-
	37.33333	6.00000	105.03150	-1.8025	0.70395	0.55960	-	-	-
	38.00000	6.00000	105.03150	-1.5646	0.56881	0.40195	-	-	-
	38.66667	6.00000	105.03150	-1.3525	0.45718	0.28113	-	-	-
	39.33333	6.00000	105.03150	-1.1348	0.35835	0.19223	-	-	-
	40.00000	6.00000	105.03150	-0.91178	0.27016	0.13124	-	-	-
	40.66667	6.00000	105.03150	-0.68454	0.19103	0.092013	-	-	-
	41.33333	6.00000	105.03150	-0.45390	0.11971	0.065493	-	-	-
	42.00000	6.00000	105.03150	-0.22049	0.055122	0.039684	-	-	-
	42.66667	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	43.33333	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	44.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	44.66667	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	45.33333	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	46.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	46.66667	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	47.33333	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	48.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	48.66667	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	49.33333	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	50.00000	6.00000	105.03150	0.0	0.0	0.0	-	-	-
	0.00000	7.00000	105.03675	0.0	0.0	0.0	-	-	-
	0.66667	7.00000	105.03675	0.0	0.0	0.0	-	-	-
	1.33333	7.00000	105.03675	0.0	0.0	0.0	-	-	-
	2.00000	7.00000	105.03675	0.0	0.0	0.0	-	-	-
	2.66667	7.00000	105.03675	0.0	0.0	0.0066168	-	-	-
	3.33333	7.00000	105.03675	0.0	0.0	0.017302	-	-	-
	4.00000	7.00000	105.03675	0.0	0.0	0.028811	-	-	-
	4.66667	7.00000	105.03675	0.0	0.0	0.041240	-	-	-
	5.33333	7.00000	105.03675	0.0	0.0	0.054704	-	-	-
	6.00000	7.00000	105.03675	0.0	0.0	0.072104	-	-	-
	6.66667	7.00000	105.03675	0.0	0.0	0.099266	-	-	-
	7.33333	7.00000	105.03675	0.00609096	981.88E-6	0.12873	-	-	-
	8.00000	7.00000	105.03675	0.042907	0.0072613	0.16508	-	-	-
	8.66667	7.00000	105.03675	0.085337	0.015222	0.20330	-	-	-
	9.33333	7.00000	105.03675	0.13250	0.024986	0.24547	-	-	-
	10.00000	7.00000	105.03675	0.18526	0.037053	0.29380	-	-	-
	10.66667	7.00000	105.03675	0.24619	0.052331	0.35067	-	-	-
	11.33333	7.00000	105.03675	0.34070	0.075768	0.42156	-	-	-
	12.00000	7.00000	105.03675	0.46047	0.10756	0.50702	-	-	-
	12.66667	7.00000	105.03675	0.59616	0.14792	0.60930	-	-	-
	13.33333	7.00000	105.03675	0.75103	0.19981	0.73374	-	-	-
	14.00000	7.00000	105.03675	0.92914	0.26747	0.88629	-	-	-
	14.66667	7.00000	105.03675	1.1355	0.35717	1.0738	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	15.33333	7.00000	105.03675		1.3761	0.47832	1.3045	-	-
	16.00000	7.00000	105.03675		1.6580	0.64550	1.5884	-	-
	16.66667	7.00000	105.03675		1.9884	0.88181	1.9387	-	-
	17.33333	7.00000	105.03675		2.3722	1.2247	2.3728	-	-
	18.00000	7.00000	105.03675		2.8035	1.7355	2.9151	-	-
	18.66667	7.00000	105.03675		3.2442	2.5113	3.6000	-	-
	19.33333	7.00000	105.03675		3.5733	3.6867	4.4722	-	-
	20.00000	7.00000	105.03675		3.5030	5.3661	5.5779	-	-
	20.66667	7.00000	105.03675		2.5969	7.3899	6.9233	-	-
	21.33333	7.00000	105.03675		1.9021	8.3544	7.6554	-	-
	22.00000	7.00000	105.03675		2.1983	8.5326	7.7224	-	-
	22.66667	7.00000	105.03675		2.4184	9.0267	7.9232	-	-
	23.33333	7.00000	105.03675		2.3460	9.9562	8.2981	-	-
	24.00000	7.00000	105.03675		1.5786	11.284	8.8660	-	-
	24.66667	7.00000	105.03675		-0.15317	12.298	9.3897	-	-
	25.33333	7.00000	105.03675		-1.2749	10.753	8.3788	-	-
	26.00000	7.00000	105.03675		-1.6722	9.2429	7.4573	-	-
	26.66667	7.00000	105.03675		-1.6385	8.0482	6.6521	-	-
	27.33333	7.00000	105.03675		-1.4433	7.1572	5.9484	-	-
	28.00000	7.00000	105.03675		-1.2176	6.4787	5.3236	-	-
	28.66667	7.00000	105.03675		-1.0083	5.9370	4.7591	-	-
	29.33333	7.00000	105.03675		-1.1398	5.5473	4.2870	-	-
	30.00000	7.00000	105.03675		-2.4374	5.1262	4.0160	-	-
	30.66667	7.00000	105.03675		-3.3483	4.3857	3.7288	-	-
	31.33333	7.00000	105.03675		-3.8064	3.5955	3.4197	-	-
	32.00000	7.00000	105.03675		-3.9270	2.8950	3.0659	-	-
	32.66667	7.00000	105.03675		-3.8329	2.3157	2.7212	-	-
	33.33333	7.00000	105.03675		-3.6071	1.8459	2.3820	-	-
	34.00000	7.00000	105.03675		-3.2997	1.4646	2.0470	-	-
	34.66667	7.00000	105.03675		-2.9401	1.1523	1.7143	-	-
	35.33333	7.00000	105.03675		-2.6994	0.94853	1.4076	-	-
	36.00000	7.00000	105.03675		-2.4667	0.78592	1.1220	-	-
	36.66667	7.00000	105.03675		-2.2256	0.64884	0.86149	-	-
	37.33333	7.00000	105.03675		-1.9788	0.53200	0.64727	-	-
	38.00000	7.00000	105.03675		-1.7284	0.43143	0.47037	-	-
	38.66667	7.00000	105.03675		-1.4907	0.34642	0.32940	-	-
	39.33333	7.00000	105.03675		-1.2572	0.27294	0.22462	-	-
	40.00000	7.00000	105.03675		-1.0209	0.20795	0.15142	-	-
	40.66667	7.00000	105.03675		-0.78230	0.15009	0.10402	-	-
	41.33333	7.00000	105.03675		-0.54197	0.098270	0.073690	-	-
	42.00000	7.00000	105.03675		-0.30022	0.051600	0.048692	-	-
	42.66667	7.00000	105.03675		-0.057296	0.0093602	0.014285	-	-
	43.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	45.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	47.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	49.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	50.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	0.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	0.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	1.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	2.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	2.66667	8.00000	105.04200		0.0	0.0	0.0043894	-	-
	3.33333	8.00000	105.04200		0.0	0.0	0.010299	-	-
	4.00000	8.00000	105.04200		0.0	0.0	0.016659	-	-
	4.66667	8.00000	105.04200		0.0	0.0	0.023556	-	-
	5.33333	8.00000	105.04200		0.0	0.0	0.031025	-	-
	6.00000	8.00000	105.04200		0.0	0.0	0.041634	-	-
	6.66667	8.00000	105.04200		0.0	0.0	0.057109	-	-
	7.33333	8.00000	105.04200		0.0062671	550.28E-6	0.074385	-	-
	8.00000	8.00000	105.04200		0.027971	0.0025820	0.094818	-	-
	8.66667	8.00000	105.04200		0.052061	0.0050654	0.11649	-	-
	9.33333	8.00000	105.04200		0.078988	0.0081245	0.14059	-	-
	10.00000	8.00000	105.04200		0.10931	0.011925	0.16841	-	-
	10.66667	8.00000	105.04200		0.14589	0.016877	0.20130	-	-
	11.33333	8.00000	105.04200		0.20421	0.024638	0.24290	-	-
	12.00000	8.00000	105.04200		0.27504	0.034900	0.29257	-	-
	12.66667	8.00000	105.04200		0.35603	0.048031	0.35246	-	-
	13.33333	8.00000	105.04200		0.44962	0.065088	0.42582	-	-
	14.00000	8.00000	105.04200		0.55899	0.087636	0.51637	-	-
	14.66667	8.00000	105.04200		0.68846	0.11807	0.62853	-	-
	15.33333	8.00000	105.04200		0.84397	0.16019	0.76778	-	-
	16.00000	8.00000	105.04200		1.0339	0.22027	0.94133	-	-
	16.66667	8.00000	105.04200		1.2702	0.30928	1.1592	-	-
	17.33333	8.00000	105.04200		1.5704	0.44758	1.4366	-	-
	18.00000	8.00000	105.04200		1.9596	0.67593	1.7981	-	-
	18.66667	8.00000	105.04200		2.4691	1.0832	2.2875	-	-
	19.33333	8.00000	105.04200		3.1068	1.8797	2.9894	-	-
	20.00000	8.00000	105.04200		3.6582	3.5575	4.0738	-	-
	20.66667	8.00000	105.04200		2.8671	6.7212	5.7966	-	-
	21.33333	8.00000	105.04200		1.3637	8.3437	6.8313	-	-
	22.00000	8.00000	105.04200		1.7249	8.2300	6.7656	-	-
	22.66667	8.00000	105.04200		2.1954	8.3887	6.8486	-	-
	23.33333	8.00000	105.04200		2.6907	9.1688	7.2028	-	-
	24.00000	8.00000	105.04200		2.5085	11.233	8.0546	-	-
	24.66667	8.00000	105.04200		-0.31319	13.653	9.2012	-	-
	25.33333	8.00000	105.04200		-1.9293	10.852	7.7790	-	-
	26.00000	8.00000	105.04200		-1.8338	8.9471	6.7497	-	-
	26.66667	8.00000	105.04200		-1.4378	7.8910	5.9892	-	-
	27.33333	8.00000	105.04200		-1.1097	7.2211	5.3742	-	-
	28.00000	8.00000	105.04200		-0.84929	6.7206	4.8420	-	-
	28.66667	8.00000	105.04200		-0.66318	6.3015	4.3621	-	-
	29.33333	8.00000	105.04200		-1.1723	5.9793	3.9743	-	-
	30.00000	8.00000	105.04200		-3.6608	4.9625	3.8494	-	-
	30.66667	8.00000	105.04200		-4.6829	3.6258	3.6765	-	-
	31.33333	8.00000	105.04200		-4.8826	2.6416	3.4240	-	-
	32.00000	8.00000	105.04200		-4.7339	1.9690	3.1150	-	-
	32.66667	8.00000	105.04200		-4.4333	1.4983	2.7821	-	-
	33.33333	8.00000	105.04200		-4.0596	1.1557	2.4505	-	-
	34.00000	8.00000	105.04200		-3.6472	0.89714	2.1232	-	-
	34.66667	8.00000	105.04200		-3.2128	0.69578	1.8000	-	-
	35.33333	8.00000	105.04200		-2.8509	0.55173	1.4863	-	-
	36.00000	8.00000	105.04200		-2.5989	0.45488	1.2009	-	-
	36.66667	8.00000	105.04200		-2.3449	0.37468	0.93689	-	-
	37.33333	8.00000	105.04200		-2.0897	0.30725	0.70688	-	-
	38.00000	8.00000	105.04200		-1.8341	0.24980	0.51723	-	-
	38.66667	8.00000	105.04200		-1.5839	0.20078	0.36379	-	-
	39.33333	8.00000	105.04200		-1.3391	0.15858	0.24806	-	-
	40.00000	8.00000	105.04200		-1.0933	0.12148	0.16623	-	-
	40.66667	8.00000	105.04200		-0.84689	0.088628	0.11279	-	-
	41.33333	8.00000	105.04200		-0.59987	0.059328	0.079217	-	-
	42.00000	8.00000	105.04200		-0.35241	0.033038	0.053936	-	-
	42.66667	8.00000	105.04200		-0.10458	0.0093186	0.022339	-	-
	43.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	44.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	44.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	45.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	46.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	46.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	47.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	48.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	48.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	49.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	50.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	0.00000	9.00000	105.04725		0.0	0.0	0.0	-	-
	0.66667	9.00000	105.04725		0.0	0.0	0.0	-	-
	1.33333	9.00000	105.04725		0.0	0.0	0.0	-	-
	2.00000	9.00000	105.04725		0.0	0.0	0.0	-	-
	2.66667	9.00000	105.04725		0.0	0.0	785.55E-6	-	-
	3.33333	9.00000	105.04725		0.0	0.0	0.0017760	-	-
	4.00000	9.00000	105.04725		0.0	0.0	0.0028442	-	-
	4.66667	9.00000	105.04725		0.0	0.0	0.0039995	-	-
	5.33333	9.00000	105.04725		0.0	0.0	0.0052531	-	-
	6.00000	9.00000	105.04725		0.0	0.0	0.0074268	-	-
	6.66667	9.00000	105.04725		0.0	0.0	0.010771	-	-
	7.33333	9.00000	105.04725		0.0013136	19.223E-6	0.014453	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	8.00000	9.00000	105.04725	0.0049850	76.692E-6	0.018620	-	-	-
	8.66667	9.00000	105.04725	0.0090682	147.05E-6	0.023010	-	-	-
	9.33333	9.00000	105.04725	0.013643	233.88E-6	0.027826	-	-	-
	10.00000	9.00000	105.04725	0.018808	341.97E-6	0.033285	-	-	-
	10.66667	9.00000	105.04725	0.025393	487.96E-6	0.039621	-	-	-
	11.33333	9.00000	105.04725	0.037325	739.22E-6	0.047678	-	-	-
	12.00000	9.00000	105.04725	0.051524	0.0010672	0.057046	-	-	-
	12.66667	9.00000	105.04725	0.067543	0.0014829	0.068193	-	-	-
	13.33333	9.00000	105.04725	0.085844	0.0020187	0.081761	-	-	-
	14.00000	9.00000	105.04725	0.10705	0.0027233	0.098462	-	-	-
	14.66667	9.00000	105.04725	0.13203	0.0036719	0.11913	-	-	-
	15.33333	9.00000	105.04725	0.16201	0.0049862	0.14478	-	-	-
	16.00000	9.00000	105.04725	0.19888	0.0068737	0.17679	-	-	-
	16.66667	9.00000	105.04725	0.24554	0.0097120	0.21708	-	-	-
	17.33333	9.00000	105.04725	0.30691	0.014249	0.26874	-	-	-
	18.00000	9.00000	105.04725	0.39200	0.022145	0.33716	-	-	-
	18.66667	9.00000	105.04725	0.51949	0.037729	0.43338	-	-	-
	19.33333	9.00000	105.04725	0.73594	0.075460	0.58487	-	-	-
	20.00000	9.00000	105.04725	1.1990	0.21010	0.88793	-	-	-
	20.66667	9.00000	105.04725	2.8003	1.5521	2.0687	-	-	-
	21.33333	9.00000	105.04725	0.29376	8.6690	5.3355	-	-	-
	22.00000	9.00000	105.04725	0.38410	8.2681	4.9964	-	-	-
	22.66667	9.00000	105.04725	0.53427	7.8814	4.6933	-	-	-
	23.33333	9.00000	105.04725	0.83383	7.5454	4.4796	-	-	-
	24.00000	9.00000	105.04725	1.6953	7.5665	4.6296	-	-	-
	24.66667	9.00000	105.04725	-1.6621	13.811	7.7181	-	-	-
	25.33333	9.00000	105.04725	-0.97782	8.7688	5.4983	-	-	-
	26.00000	9.00000	105.04725	-0.47476	8.2472	4.9247	-	-	-
	26.66667	9.00000	105.04725	-0.28698	7.8844	4.5036	-	-	-
	27.33333	9.00000	105.04725	-0.19174	7.5479	4.1271	-	-	-
	28.00000	9.00000	105.04725	-0.13532	7.2191	3.7707	-	-	-
	28.66667	9.00000	105.04725	-0.098635	6.8934	3.4257	-	-	-
	29.33333	9.00000	105.04725	-3.8154	5.6163	3.2886	-	-	-
	30.00000	9.00000	105.04725	-6.3721	1.5813	3.5210	-	-	-
	30.66667	9.00000	105.04725	-6.0622	0.82238	3.4570	-	-	-
	31.33333	9.00000	105.04725	-5.6282	0.52557	3.2635	-	-	-
	32.00000	9.00000	105.04725	-5.1700	0.36817	2.9984	-	-	-
	32.66667	9.00000	105.04725	-4.7042	0.27076	2.7002	-	-	-
	33.33333	9.00000	105.04725	-4.2354	0.20456	2.3941	-	-	-
	34.00000	9.00000	105.04725	-3.7653	0.15666	2.0907	-	-	-
	34.66667	9.00000	105.04725	-3.2945	0.12039	1.7894	-	-	-
	35.33333	9.00000	105.04725	-2.8781	0.093770	1.4878	-	-	-
	36.00000	9.00000	105.04725	-2.6267	0.077210	1.2153	-	-	-
	36.66667	9.00000	105.04725	-2.3756	0.063607	0.95962	-	-	-
	37.33333	9.00000	105.04725	-2.1247	0.052236	0.73093	-	-	-
	38.00000	9.00000	105.04725	-1.8741	0.042589	0.53666	-	-	-
	38.66667	9.00000	105.04725	-1.6238	0.034307	0.37891	-	-	-
	39.33333	9.00000	105.04725	-1.3740	0.027118	0.25845	-	-	-
	40.00000	9.00000	105.04725	-1.1241	0.020817	0.17285	-	-	-
	40.66667	9.00000	105.04725	-0.87421	0.015248	0.11672	-	-	-
	41.33333	9.00000	105.04725	-0.62430	0.010291	0.081614	-	-	-
	42.00000	9.00000	105.04725	-0.37437	0.0058495	0.056034	-	-	-
	42.66667	9.00000	105.04725	-0.12443	0.0018480	0.025423	-	-	-
	43.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	45.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	47.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	49.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	50.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	0.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	0.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	1.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	2.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	2.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	3.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	4.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	4.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	5.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	6.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	6.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	7.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	8.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	8.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	9.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	10.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	10.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	11.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	12.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	12.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	13.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	14.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	14.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	15.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	16.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	16.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	17.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	18.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	18.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	19.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	20.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	20.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	21.33333	10.00000	105.05250		Point lies within an excavation.				
	22.00000	10.00000	105.05250		Point lies within an excavation.				
	22.66667	10.00000	105.05250		Point lies within an excavation.				
	23.33333	10.00000	105.05250		Point lies within an excavation.				
	24.00000	10.00000	105.05250		Point lies within an excavation.				
	24.66667	10.00000	105.05250		Point lies within an excavation.				
	25.33333	10.00000	105.05250		Point lies within an excavation.				
	26.00000	10.00000	105.05250		Point lies within an excavation.				
	26.66667	10.00000	105.05250		Point lies within an excavation.				
	27.33333	10.00000	105.05250		Point lies within an excavation.				
	28.00000	10.00000	105.05250		Point lies within an excavation.				
	28.66667	10.00000	105.05250		Point lies within an excavation.				
	29.33333	10.00000	105.05250	-7.0706	0.0	3.3829	-	-	-
	30.00000	10.00000	105.05250	-6.5983	0.0	3.4866	-	-	-
	30.66667	10.00000	105.05250	-6.1261	0.0	3.4129	-	-	-
	31.33333	10.00000	105.05250	-5.6539	0.0	3.2226	-	-	-
	32.00000	10.00000	105.05250	-5.1817	0.0	2.9638	-	-	-
	32.66667	10.00000	105.05250	-4.7094	0.0	2.6726	-	-	-
	33.33333	10.00000	105.05250	-4.2372	0.0	2.3725	-	-	-
	34.00000	10.00000	105.05250	-3.7650	0.0	2.0748	-	-	-
	34.66667	10.00000	105.05250	-3.2928	0.0	1.7785	-	-	-
	35.33333	10.00000	105.05250	-2.8750	0.0	1.4806	-	-	-
	36.00000	10.00000	105.05250	-2.6250	0.0	1.2116	-	-	-
	36.66667	10.00000	105.05250	-2.3750	0.0	0.95860	-	-	-
	37.33333	10.00000	105.05250	-2.1250	0.0	0.73152	-	-	-
	38.00000	10.00000	105.05250	-1.8750	0.0	0.53718	-	-	-
	38.66667	10.00000	105.05250	-1.6250	0.0	0.37935	-	-	-
	39.33333	10.00000	105.05250	-1.3750	0.0	0.25875	-	-	-
	40.00000	10.00000	105.05250	-1.1250	0.0	0.17304	-	-	-
	40.66667	10.00000	105.05250	-0.87500	0.0	0.11683	-	-	-
	41.33333	10.00000	105.05250	-0.62500	0.0	0.081684	-	-	-
	42.00000	10.00000	105.05250	-0.37500	0.0	0.056093	-	-	-
	42.66667	10.00000	105.05250	-0.12500	0.0	0.025510	-	-	-
	43.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	44.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	44.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	45.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	46.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	46.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	47.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	48.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	48.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	49.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	50.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	0.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	0.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	1.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	2.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	2.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	3.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	4.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	4.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	5.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	6.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	6.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	7.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	8.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	8.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	9.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	10.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	10.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	11.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	12.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	12.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	13.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	14.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	14.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	15.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	16.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	16.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	17.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	18.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	18.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	19.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	20.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	20.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	21.33333	11.00000	105.05775	Point lies within an excavation.					
	22.00000	11.00000	105.05775	Point lies within an excavation.					
	22.66667	11.00000	105.05775	Point lies within an excavation.					
	23.33333	11.00000	105.05775	Point lies within an excavation.					
	24.00000	11.00000	105.05775	Point lies within an excavation.					
	24.66667	11.00000	105.05775	Point lies within an excavation.					
	25.33333	11.00000	105.05775	Point lies within an excavation.					
	26.00000	11.00000	105.05775	Point lies within an excavation.					
	26.66667	11.00000	105.05775	Point lies within an excavation.					
	27.33333	11.00000	105.05775	Point lies within an excavation.					
	28.00000	11.00000	105.05775	Point lies within an excavation.					
	28.66667	11.00000	105.05775	Point lies within an excavation.					
	29.33333	11.00000	105.05775	-7.0706	0.0	3.3829	-	-	-
	30.00000	11.00000	105.05775	-6.5983	0.0	3.4866	-	-	-
	30.66667	11.00000	105.05775	-6.1261	0.0	3.4129	-	-	-
	31.33333	11.00000	105.05775	-5.6539	0.0	3.2226	-	-	-
	32.00000	11.00000	105.05775	-5.1817	0.0	2.9638	-	-	-
	32.66667	11.00000	105.05775	-4.7094	0.0	2.6726	-	-	-
	33.33333	11.00000	105.05775	-4.2372	0.0	2.3725	-	-	-
	34.00000	11.00000	105.05775	-3.7650	0.0	2.0748	-	-	-
	34.66667	11.00000	105.05775	-3.2928	0.0	1.7785	-	-	-
	35.33333	11.00000	105.05775	-2.8750	0.0	1.4806	-	-	-
	36.00000	11.00000	105.05775	-2.6250	0.0	1.2116	-	-	-
	36.66667	11.00000	105.05775	-2.3750	0.0	0.95860	-	-	-
	37.33333	11.00000	105.05775	-2.1250	0.0	0.73152	-	-	-
	38.00000	11.00000	105.05775	-1.8750	0.0	0.53718	-	-	-
	38.66667	11.00000	105.05775	-1.6250	0.0	0.37935	-	-	-
	39.33333	11.00000	105.05775	-1.3750	0.0	0.25875	-	-	-
	40.00000	11.00000	105.05775	-1.1250	0.0	0.17304	-	-	-
	40.66667	11.00000	105.05775	-0.87500	0.0	0.11683	-	-	-
	41.33333	11.00000	105.05775	-0.62500	0.0	0.081684	-	-	-
	42.00000	11.00000	105.05775	-0.37500	0.0	0.056093	-	-	-
	42.66667	11.00000	105.05775	-0.12500	0.0	0.025510	-	-	-
	43.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	44.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	44.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	45.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	46.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	46.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	47.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	48.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	48.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	49.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	50.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	0.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	0.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	1.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	2.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	2.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	3.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	4.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	4.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	5.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	6.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	6.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	7.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	8.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	8.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	9.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	10.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	10.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	11.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	12.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	12.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	13.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	14.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	14.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	15.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	16.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	16.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	17.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	18.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	18.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	19.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	20.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	20.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	21.33333	12.00000	105.06300	Point lies within an excavation.					
	22.00000	12.00000	105.06300	Point lies within an excavation.					
	22.66667	12.00000	105.06300	Point lies within an excavation.					
	23.33333	12.00000	105.06300	Point lies within an excavation.					
	24.00000	12.00000	105.06300	Point lies within an excavation.					
	24.66667	12.00000	105.06300	Point lies within an excavation.					
	25.33333	12.00000	105.06300	Point lies within an excavation.					
	26.00000	12.00000	105.06300	Point lies within an excavation.					
	26.66667	12.00000	105.06300	Point lies within an excavation.					
	27.33333	12.00000	105.06300	Point lies within an excavation.					
	28.00000	12.00000	105.06300	Point lies within an excavation.					
	28.66667	12.00000	105.06300	Point lies within an excavation.					
	29.33333	12.00000	105.06300	-7.0706	0.0	3.3829	-	-	-
	30.00000	12.00000	105.06300	-6.5983	0.0	3.4866	-	-	-
	30.66667	12.00000	105.06300	-6.1261	0.0	3.4129	-	-	-
	31.33333	12.00000	105.06300	-5.6539	0.0	3.2226	-	-	-
	32.00000	12.00000	105.06300	-5.1817	0.0	2.9638	-	-	-
	32.66667	12.00000	105.06300	-4.7094	0.0	2.6726	-	-	-
	33.33333	12.00000	105.06300	-4.2372	0.0	2.3725	-	-	-
	34.00000	12.00000	105.06300	-3.7650	0.0	2.0748	-	-	-
	34.66667	12.00000	105.06300	-3.2928	0.0	1.7785	-	-	-
	35.33333	12.00000	105.06300	-2.8750	0.0	1.4806	-	-	-
	36.00000	12.00000	105.06300	-2.6250	0.0	1.2116	-	-	-
	36.66667	12.00000	105.06300	-2.3750	0.0	0.95860	-	-	-
	37.33333	12.00000	105.06300	-2.1250	0.0	0.73152	-	-	-
	38.00000	12.00000	105.06300	-1.8750	0.0	0.53718	-	-	-
	38.66667	12.00000	105.06300	-1.6250	0.0	0.37935	-	-	-
	39.33333	12.00000	105.06300	-1.3750	0.0	0.25875	-	-	-
	40.00000	12.00000	105.06300	-1.1250	0.0	0.17304	-	-	-
	40.66667	12.00000	105.06300	-0.87500	0.0	0.11683	-	-	-
	41.33333	12.00000	105.06300	-0.62500	0.0	0.081684	-	-	-
	42.00000	12.00000	105.06300	-0.37500	0.0	0.056093	-	-	-
	42.66667	12.00000	105.06300	-0.12500	0.0	0.025510	-	-	-
	43.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	44.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	44.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	45.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	46.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	46.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	47.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	48.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	48.66667	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	49.33333	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	50.00000	12.00000	105.06300		0.0	0.0	0.0	-	-	-
	0.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	0.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	1.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	2.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	2.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	3.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	4.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	4.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	5.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	6.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	6.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	7.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	8.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	8.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	9.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	10.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	10.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	11.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	12.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	12.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	13.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	14.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	14.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	15.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	16.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	16.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	17.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	18.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	18.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	19.33333	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	20.00000	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	20.66667	13.00000	105.06825		0.0	0.0	0.0	-	-	-
	21.33333	13.00000	105.06825		Point lies within an excavation.					
	22.00000	13.00000	105.06825		Point lies within an excavation.					
	22.66667	13.00000	105.06825		Point lies within an excavation.					
	23.33333	13.00000	105.06825		Point lies within an excavation.					
	24.00000	13.00000	105.06825		Point lies within an excavation.					
	24.66667	13.00000	105.06825		Point lies within an excavation.					
	25.33333	13.00000	105.06825		Point lies within an excavation.					
	26.00000	13.00000	105.06825		Point lies within an excavation.					
	26.66667	13.00000	105.06825		Point lies within an excavation.					
	27.33333	13.00000	105.06825		Point lies within an excavation.					
	28.00000	13.00000	105.06825		Point lies within an excavation.					
	28.66667	13.00000	105.06825		Point lies within an excavation.					
	29.33333	13.00000	105.06825	-7.0706	0.0	3.3829	-	-	-	
	30.00000	13.00000	105.06825	-6.5983	0.0	3.4866	-	-	-	
	30.66667	13.00000	105.06825	-6.1261	0.0	3.4129	-	-	-	
	31.33333	13.00000	105.06825	-5.6539	0.0	3.2226	-	-	-	
	32.00000	13.00000	105.06825	-5.1817	0.0	2.9638	-	-	-	
	32.66667	13.00000	105.06825	-4.7094	0.0	2.6726	-	-	-	
	33.33333	13.00000	105.06825	-4.2372	0.0	2.3725	-	-	-	
	34.00000	13.00000	105.06825	-3.7650	0.0	2.0748	-	-	-	
	34.66667	13.00000	105.06825	-3.2928	0.0	1.7785	-	-	-	
	35.33333	13.00000	105.06825	-2.8750	0.0	1.4806	-	-	-	
	36.00000	13.00000	105.06825	-2.6250	0.0	1.2116	-	-	-	
	36.66667	13.00000	105.06825	-2.3750	0.0	0.95860	-	-	-	
	37.33333	13.00000	105.06825	-2.1250	0.0	0.73152	-	-	-	
	38.00000	13.00000	105.06825	-1.8750	0.0	0.53718	-	-	-	
	38.66667	13.00000	105.06825	-1.6250	0.0	0.37935	-	-	-	
	39.33333	13.00000	105.06825	-1.3750	0.0	0.25875	-	-	-	
	40.00000	13.00000	105.06825	-1.1250	0.0	0.17304	-	-	-	
	40.66667	13.00000	105.06825	-0.87500	0.0	0.11683	-	-	-	
	41.33333	13.00000	105.06825	-0.62500	0.0	0.081684	-	-	-	
	42.00000	13.00000	105.06825	-0.37500	0.0	0.056093	-	-	-	
	42.66667	13.00000	105.06825	-0.12500	0.0	0.025510	-	-	-	
	43.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	44.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	44.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	45.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	46.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	46.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	47.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	48.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	48.66667	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	49.33333	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	50.00000	13.00000	105.06825	0.0	0.0	0.0	-	-	-	
	0.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	0.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	1.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	2.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	2.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	3.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	4.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	4.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	5.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	6.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	6.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	7.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	8.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	8.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	9.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	10.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	10.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	11.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	12.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	12.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	13.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	14.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	14.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	15.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	16.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	16.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	17.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	18.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	18.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	19.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	20.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	20.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-	
	21.33333	14.00000	105.07350		Point lies within an excavation.					
	22.00000	14.00000	105.07350		Point lies within an excavation.					
	22.66667	14.00000	105.07350		Point lies within an excavation.					
	23.33333	14.00000	105.07350		Point lies within an excavation.					
	24.00000	14.00000	105.07350		Point lies within an excavation.					
	24.66667	14.00000	105.07350		Point lies within an excavation.					
	25.33333	14.00000	105.07350		Point lies within an excavation.					
	26.00000	14.00000	105.07350		Point lies within an excavation.					
	26.66667	14.00000	105.07350		Point lies within an excavation.					
	27.33333	14.00000	105.07350		Point lies within an excavation.					
	28.00000	14.00000	105.07350		Point lies within an excavation.					
	28.66667	14.00000	105.07350		Point lies within an excavation.					
	29.33333	14.00000	105.07350	-7.0706	0.0	3.3829	-	-	-	
	30.00000	14.00000	105.07350	-6.5983	0.0	3.4866	-	-	-	
	30.66667	14.00000	105.07350	-6.1261	0.0	3.4129	-	-	-	
	31.33333	14.00000	105.07350	-5.6539	0.0	3.2226	-	-	-	
	32.00000	14.00000	105.07350	-5.1817	0.0	2.9638	-	-	-	
	32.66667	14.00000	105.07350	-4.7094	0.0	2.6726	-	-	-	
	33.33333	14.00000	105.07350	-4.2372	0.0	2.3725	-	-	-	
	34.00000	14.00000	105.07350	-3.7650	0.0	2.0748	-	-	-	
	34.66667	14.00000	105.07350	-3.2928	0.0	1.7785	-	-	-	
	35.33333	14.00000	105.07350	-2.8750	0.0	1.4806	-	-	-	
	36.00000	14.00000	105.07350	-2.6250	0.0	1.2116	-	-	-	

Type/No.		Coordinates			Displacements			Angle of Line		
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	x Axis
	36.66667	14.00000	105.07350		-2.3750	0.0	0.95860	-	-	-
	37.33333	14.00000	105.07350		-2.1250	0.0	0.73152	-	-	-
	38.00000	14.00000	105.07350		-1.8750	0.0	0.53718	-	-	-
	38.66667	14.00000	105.07350		-1.6250	0.0	0.37935	-	-	-
	39.33333	14.00000	105.07350		-1.3750	0.0	0.25875	-	-	-
	40.00000	14.00000	105.07350		-1.1250	0.0	0.17304	-	-	-
	40.66667	14.00000	105.07350		-0.87500	0.0	0.11683	-	-	-
	41.33333	14.00000	105.07350		-0.62500	0.0	0.081684	-	-	-
	42.00000	14.00000	105.07350		-0.37500	0.0	0.056093	-	-	-
	42.66667	14.00000	105.07350		-0.12500	0.0	0.025510	-	-	-
	43.33333	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	44.00000	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	44.66667	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	45.33333	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	46.00000	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	46.66667	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	47.33333	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	48.00000	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	48.66667	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	49.33333	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	50.00000	14.00000	105.07350		0.0	0.0	0.0	-	-	-
	0.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	0.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	1.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	2.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	2.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	3.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	4.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	4.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	5.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	6.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	6.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	7.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	8.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	8.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	9.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	10.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	10.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	11.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	12.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	12.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	13.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	14.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	14.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	15.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	16.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	16.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	17.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	18.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	18.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	19.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	20.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	20.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	21.33333	15.00000	105.07875			Point lies within an excavation.				
	22.00000	15.00000	105.07875			Point lies within an excavation.				
	22.66667	15.00000	105.07875			Point lies within an excavation.				
	23.33333	15.00000	105.07875			Point lies within an excavation.				
	24.00000	15.00000	105.07875			Point lies within an excavation.				
	24.66667	15.00000	105.07875			Point lies within an excavation.				
	25.33333	15.00000	105.07875			Point lies within an excavation.				
	26.00000	15.00000	105.07875			Point lies within an excavation.				
	26.66667	15.00000	105.07875			Point lies within an excavation.				
	27.33333	15.00000	105.07875			Point lies within an excavation.				
	28.00000	15.00000	105.07875			Point lies within an excavation.				
	28.66667	15.00000	105.07875			Point lies within an excavation.				
	29.33333	15.00000	105.07875		-7.0706	0.0	3.3829	-	-	-
	30.00000	15.00000	105.07875		-6.5983	0.0	3.4866	-	-	-
	30.66667	15.00000	105.07875		-6.1261	0.0	3.4129	-	-	-
	31.33333	15.00000	105.07875		-5.6539	0.0	3.2226	-	-	-
	32.00000	15.00000	105.07875		-5.1817	0.0	2.9638	-	-	-
	32.66667	15.00000	105.07875		-4.7094	0.0	2.6726	-	-	-
	33.33333	15.00000	105.07875		-4.2372	0.0	2.3725	-	-	-
	34.00000	15.00000	105.07875		-3.7650	0.0	2.0748	-	-	-
	34.66667	15.00000	105.07875		-3.2928	0.0	1.7785	-	-	-
	35.33333	15.00000	105.07875		-2.8750	0.0	1.4806	-	-	-
	36.00000	15.00000	105.07875		-2.6250	0.0	1.2116	-	-	-
	36.66667	15.00000	105.07875		-2.3750	0.0	0.95860	-	-	-
	37.33333	15.00000	105.07875		-2.1250	0.0	0.73152	-	-	-
	38.00000	15.00000	105.07875		-1.8750	0.0	0.53718	-	-	-
	38.66667	15.00000	105.07875		-1.6250	0.0	0.37935	-	-	-
	39.33333	15.00000	105.07875		-1.3750	0.0	0.25875	-	-	-
	40.00000	15.00000	105.07875		-1.1250	0.0	0.17304	-	-	-
	40.66667	15.00000	105.07875		-0.87500	0.0	0.11683	-	-	-
	41.33333	15.00000	105.07875		-0.62500	0.0	0.081684	-	-	-
	42.00000	15.00000	105.07875		-0.37500	0.0	0.056093	-	-	-
	42.66667	15.00000	105.07875		-0.12500	0.0	0.025510	-	-	-
	43.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	44.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	44.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	45.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	46.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	46.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	47.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	48.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	48.66667	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	49.33333	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	50.00000	15.00000	105.07875		0.0	0.0	0.0	-	-	-
	0.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	0.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	1.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	2.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	2.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	3.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	4.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	4.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	5.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	6.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	6.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	7.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	8.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	8.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	9.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	10.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	10.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	11.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	12.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	12.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	13.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	14.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	14.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	15.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	16.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	16.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	17.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	18.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	18.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	19.33333	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	20.00000	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	20.66667	16.00000	105.08400		0.0	0.0	0.0	-	-	-
	21.33333	16.00000	105.08400			Point lies within an excavation.				
	22.00000	16.00000	105.08400			Point lies within an excavation.				
	22.66667	16.00000	105.08400			Point lies within an excavation.				
	23.33333	16.00000	105.08400			Point lies within an excavation.				
	24.00000	16.00000	105.08400			Point lies within an excavation.				
	24.66667	16.00000	105.08400			Point lies within an excavation.				
	25.33333	16.00000	105.08400			Point lies within an excavation.				
	26.00000	16.00000	105.08400			Point lies within an excavation.				
	26.66667	16.00000	105.08400			Point lies within an excavation.				
	27.33333	16.00000	105.08400			Point lies within an excavation.				
	28.00000	16.00000	105.08400			Point lies within an excavation.				
	28.66667	16.00000	105.08400			Point lies within an excavation.				

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	29.33333	16.00000	105.08400	-7.0706	0.0	3.3829	-	-	-
	30.00000	16.00000	105.08400	-6.5983	0.0	3.4866	-	-	-
	30.66667	16.00000	105.08400	-6.1261	0.0	3.4129	-	-	-
	31.33333	16.00000	105.08400	-5.6539	0.0	3.2226	-	-	-
	32.00000	16.00000	105.08400	-5.1817	0.0	2.9638	-	-	-
	32.66667	16.00000	105.08400	-4.7094	0.0	2.6726	-	-	-
	33.33333	16.00000	105.08400	-4.2372	0.0	2.3725	-	-	-
	34.00000	16.00000	105.08400	-3.7650	0.0	2.0748	-	-	-
	34.66667	16.00000	105.08400	-3.2928	0.0	1.7785	-	-	-
	35.33333	16.00000	105.08400	-2.8750	0.0	1.4806	-	-	-
	36.00000	16.00000	105.08400	-2.6250	0.0	1.2116	-	-	-
	36.66667	16.00000	105.08400	-2.3750	0.0	0.95860	-	-	-
	37.33333	16.00000	105.08400	-2.1250	0.0	0.73152	-	-	-
	38.00000	16.00000	105.08400	-1.8750	0.0	0.53718	-	-	-
	38.66667	16.00000	105.08400	-1.6250	0.0	0.37935	-	-	-
	39.33333	16.00000	105.08400	-1.3750	0.0	0.25875	-	-	-
	40.00000	16.00000	105.08400	-1.1250	0.0	0.17304	-	-	-
	40.66667	16.00000	105.08400	-0.87500	0.0	0.11683	-	-	-
	41.33333	16.00000	105.08400	-0.62500	0.0	0.081684	-	-	-
	42.00000	16.00000	105.08400	-0.37500	0.0	0.056093	-	-	-
	42.66667	16.00000	105.08400	-0.12500	0.0	0.025510	-	-	-
	43.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	44.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	44.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	45.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	46.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	46.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	47.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	48.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	48.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	49.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	50.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	0.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	0.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	1.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	2.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	2.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	3.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	4.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	4.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	5.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	6.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	6.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	7.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	8.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	8.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	9.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	10.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	10.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	11.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	12.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	12.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	13.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	14.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	14.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	15.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	16.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	16.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	17.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	18.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	18.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	19.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	20.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	20.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	21.33333	17.00000	105.08925		Point lies within an excavation.				
	22.00000	17.00000	105.08925		Point lies within an excavation.				
	22.66667	17.00000	105.08925		Point lies within an excavation.				
	23.33333	17.00000	105.08925		Point lies within an excavation.				
	24.00000	17.00000	105.08925		Point lies within an excavation.				
	24.66667	17.00000	105.08925		Point lies within an excavation.				
	25.33333	17.00000	105.08925		Point lies within an excavation.				
	26.00000	17.00000	105.08925		Point lies within an excavation.				
	26.66667	17.00000	105.08925		Point lies within an excavation.				
	27.33333	17.00000	105.08925		Point lies within an excavation.				
	28.00000	17.00000	105.08925		Point lies within an excavation.				
	28.66667	17.00000	105.08925		Point lies within an excavation.				
	29.33333	17.00000	105.08925	-7.0706	0.0	3.3829	-	-	-
	30.00000	17.00000	105.08925	-6.5983	0.0	3.4866	-	-	-
	30.66667	17.00000	105.08925	-6.1261	0.0	3.4129	-	-	-
	31.33333	17.00000	105.08925	-5.6539	0.0	3.2226	-	-	-
	32.00000	17.00000	105.08925	-5.1817	0.0	2.9638	-	-	-
	32.66667	17.00000	105.08925	-4.7094	0.0	2.6726	-	-	-
	33.33333	17.00000	105.08925	-4.2372	0.0	2.3725	-	-	-
	34.00000	17.00000	105.08925	-3.7650	0.0	2.0748	-	-	-
	34.66667	17.00000	105.08925	-3.2928	0.0	1.7785	-	-	-
	35.33333	17.00000	105.08925	-2.8750	0.0	1.4806	-	-	-
	36.00000	17.00000	105.08925	-2.6250	0.0	1.2116	-	-	-
	36.66667	17.00000	105.08925	-2.3750	0.0	0.95860	-	-	-
	37.33333	17.00000	105.08925	-2.1250	0.0	0.73152	-	-	-
	38.00000	17.00000	105.08925	-1.8750	0.0	0.53718	-	-	-
	38.66667	17.00000	105.08925	-1.6250	0.0	0.37935	-	-	-
	39.33333	17.00000	105.08925	-1.3750	0.0	0.25875	-	-	-
	40.00000	17.00000	105.08925	-1.1250	0.0	0.17304	-	-	-
	40.66667	17.00000	105.08925	-0.87500	0.0	0.11683	-	-	-
	41.33333	17.00000	105.08925	-0.62500	0.0	0.081684	-	-	-
	42.00000	17.00000	105.08925	-0.37500	0.0	0.056093	-	-	-
	42.66667	17.00000	105.08925	-0.12500	0.0	0.025510	-	-	-
	43.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	44.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	44.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	45.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	46.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	46.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	47.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	48.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	48.66667	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	49.33333	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	50.00000	17.00000	105.08925	0.0	0.0	0.0	-	-	-
	0.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	0.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	1.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	2.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	2.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	3.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	4.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	4.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	5.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	6.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	6.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	7.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	8.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	8.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	9.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	10.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	10.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	11.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	12.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	12.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	13.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	14.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	14.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	15.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	16.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	16.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	17.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	18.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	18.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	19.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	20.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	20.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	21.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along Line	Perpendicular to Line
	22.00000	18.00000	105.09450		Point lies within an excavation.				
	22.66667	18.00000	105.09450		Point lies within an excavation.				
	23.33333	18.00000	105.09450		Point lies within an excavation.				
	24.00000	18.00000	105.09450		Point lies within an excavation.				
	24.66667	18.00000	105.09450		Point lies within an excavation.				
	25.33333	18.00000	105.09450		Point lies within an excavation.				
	26.00000	18.00000	105.09450		Point lies within an excavation.				
	26.66667	18.00000	105.09450		Point lies within an excavation.				
	27.33333	18.00000	105.09450		Point lies within an excavation.				
	28.00000	18.00000	105.09450		Point lies within an excavation.				
	28.66667	18.00000	105.09450		Point lies within an excavation.				
	29.33333	18.00000	105.09450	-7.0706	0.0	3.3829	-	-	-
	30.00000	18.00000	105.09450	-6.5983	0.0	3.4866	-	-	-
	30.66667	18.00000	105.09450	-6.1261	0.0	3.4129	-	-	-
	31.33333	18.00000	105.09450	-5.6539	0.0	3.2226	-	-	-
	32.00000	18.00000	105.09450	-5.1817	0.0	2.9638	-	-	-
	32.66667	18.00000	105.09450	-4.7094	0.0	2.6726	-	-	-
	33.33333	18.00000	105.09450	-4.2372	0.0	2.3725	-	-	-
	34.00000	18.00000	105.09450	-3.7650	0.0	2.0748	-	-	-
	34.66667	18.00000	105.09450	-3.2928	0.0	1.7785	-	-	-
	35.33333	18.00000	105.09450	-2.8750	0.0	1.4806	-	-	-
	36.00000	18.00000	105.09450	-2.6250	0.0	1.2116	-	-	-
	36.66667	18.00000	105.09450	-2.3750	0.0	0.95860	-	-	-
	37.33333	18.00000	105.09450	-2.1250	0.0	0.73152	-	-	-
	38.00000	18.00000	105.09450	-1.8750	0.0	0.53718	-	-	-
	38.66667	18.00000	105.09450	-1.6250	0.0	0.37935	-	-	-
	39.33333	18.00000	105.09450	-1.3750	0.0	0.25875	-	-	-
	40.00000	18.00000	105.09450	-1.1250	0.0	0.17304	-	-	-
	40.66667	18.00000	105.09450	-0.87500	0.0	0.11683	-	-	-
	41.33333	18.00000	105.09450	-0.62500	0.0	0.081684	-	-	-
	42.00000	18.00000	105.09450	-0.37500	0.0	0.056093	-	-	-
	42.66667	18.00000	105.09450	-0.12500	0.0	0.025510	-	-	-
	43.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	44.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	44.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	45.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	46.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	46.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	47.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	48.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	48.66667	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	49.33333	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	50.00000	18.00000	105.09450	0.0	0.0	0.0	-	-	-
	0.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	0.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	1.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	2.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	2.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	3.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	4.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	4.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	5.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	6.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	6.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	7.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	8.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	8.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	9.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	10.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	10.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	11.33333	19.00000	105.09975	0.0030474	-91.193E-6	585.05E-6	-	-	-
	12.00000	19.00000	105.09975	0.0084335	-265.62E-6	0.0012266	-	-	-
	12.66667	19.00000	105.09975	0.014705	-488.82E-6	0.0019113	-	-	-
	13.33333	19.00000	105.09975	0.022018	-774.83E-6	0.0029828	-	-	-
	14.00000	19.00000	105.09975	0.030566	-0.0011427	0.0048272	-	-	-
	14.66667	19.00000	105.09975	0.040594	-0.0016184	0.0078755	-	-	-
	15.33333	19.00000	105.09975	0.052416	-0.0022384	0.012609	-	-	-
	16.00000	19.00000	105.09975	0.066443	-0.0030549	0.019565	-	-	-
	16.66667	19.00000	105.09975	0.083220	-0.0041437	0.029350	-	-	-
	17.33333	19.00000	105.09975	0.10349	-0.0056192	0.042650	-	-	-
	18.00000	19.00000	105.09975	0.12828	-0.0076584	0.060262	-	-	-
	18.66667	19.00000	105.09975	0.15907	-0.010546	0.083131	-	-	-
	19.33333	19.00000	105.09975	0.21038	-0.015681	0.11430	-	-	-
	20.00000	19.00000	105.09975	0.27921	-0.023763	0.15475	-	-	-
	20.66667	19.00000	105.09975	0.37197	-0.036889	0.20966	-	-	-
	21.33333	19.00000	105.09975	0.50235	-0.059685	0.28745	-	-	-
	22.00000	19.00000	105.09975		Point lies within an excavation.				
	22.66667	19.00000	105.09975	-0.34786	-7.2293	3.9248	-	-	-
	23.33333	19.00000	105.09975	0.25450	-7.4097	4.3083	-	-	-
	24.00000	19.00000	105.09975	1.5463	-8.4955	5.1689	-	-	-
	24.66667	19.00000	105.09975	2.2837	-12.669	6.8896	-	-	-
	25.33333	19.00000	105.09975	1.4051	-7.5754	4.7786	-	-	-
	26.00000	19.00000	105.09975		Point lies within an excavation.				
	26.66667	19.00000	105.09975		Point lies within an excavation.				
	27.33333	19.00000	105.09975		Point lies within an excavation.				
	28.00000	19.00000	105.09975		Point lies within an excavation.				
	28.66667	19.00000	105.09975		Point lies within an excavation.				
	29.33333	19.00000	105.09975	-7.3390	-0.023171	3.5319	-	-	-
	30.00000	19.00000	105.09975	-6.8080	-0.015823	3.6007	-	-	-
	30.66667	19.00000	105.09975	-6.2894	-0.010945	3.4991	-	-	-
	31.33333	19.00000	105.09975	-5.7904	-0.0082320	3.2875	-	-	-
	32.00000	19.00000	105.09975	-5.2959	-0.0062609	3.0116	-	-	-
	32.66667	19.00000	105.09975	-4.8048	-0.0047894	2.7068	-	-	-
	33.33333	19.00000	105.09975	-4.3163	-0.0036659	2.3962	-	-	-
	34.00000	19.00000	105.09975	-3.8299	-0.0027915	2.0908	-	-	-
	34.66667	19.00000	105.09975	-3.3451	-0.0020999	1.7889	-	-	-
	35.33333	19.00000	105.09975	-2.9161	-0.0015452	1.4872	-	-	-
	36.00000	19.00000	105.09975	-2.6559	-0.0010948	1.2158	-	-	-
	36.66667	19.00000	105.09975	-2.3967	-725.10E-6	0.96141	-	-	-
	37.33333	19.00000	105.09975	-2.1382	-418.87E-6	0.73341	-	-	-
	38.00000	19.00000	105.09975	-1.8804	-163.04E-6	0.53818	-	-	-
	38.66667	19.00000	105.09975	-1.6250	0.0	0.37935	-	-	-
	39.33333	19.00000	105.09975	-1.3750	0.0	0.25875	-	-	-
	40.00000	19.00000	105.09975	-1.1250	0.0	0.17304	-	-	-
	40.66667	19.00000	105.09975	-0.87500	0.0	0.11683	-	-	-
	41.33333	19.00000	105.09975	-0.62500	0.0	0.081684	-	-	-
	42.00000	19.00000	105.09975	-0.37500	0.0	0.056093	-	-	-
	42.66667	19.00000	105.09975	-0.12500	0.0	0.025510	-	-	-
	43.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	44.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	44.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	45.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	46.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	46.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	47.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	48.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	48.66667	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	49.33333	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	50.00000	19.00000	105.09975	0.0	0.0	0.0	-	-	-
	0.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	0.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	1.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	2.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	2.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	3.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	4.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	4.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	5.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	6.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	6.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	7.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	8.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	8.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	9.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	10.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	10.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	11.33333	20.00000	105.10500	0.012425	-0.0013013	0.0025019	-	-	-
	12.00000	20.00000	105.10500	0.037313	-0.0041132	0.0055743	-	-	-
	12.66667	20.00000	105.10500	0.065167	-0.0075817	0.0085617	-	-	-
	13.33333	20.00000	105.10500	0.096486	-0.011884	0.013006	-	-	-
	14.00000	20.00000	105.10500	0.13189	-0.017256	0.020508	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	14.66667	20.00000	105.10500	0.17215	-0.024020	0.032738	-	-	-
	15.33333	20.00000	105.10500	0.21823	-0.032618	0.051444	-	-	-
	16.00000	20.00000	105.10500	0.27138	-0.043671	0.078476	-	-	-
	16.66667	20.00000	105.10500	0.33322	-0.058072	0.11581	-	-	-
	17.33333	20.00000	105.10500	0.43291	-0.082203	0.18091	-	-	-
	18.00000	20.00000	105.10500	0.61536	-0.13022	0.30150	-	-	-
	18.66667	20.00000	105.10500	0.87495	-0.21438	0.47736	-	-	-
	19.33333	20.00000	105.10500	1.2899	-0.38569	0.74449	-	-	-
	20.00000	20.00000	105.10500	1.9339	-0.77017	1.1649	-	-	-
	20.66667	20.00000	105.10500	2.8562	-1.8113	1.9001	-	-	-
	21.33333	20.00000	105.10500	3.0067	-4.8830	3.3406	-	-	-
	22.00000	20.00000	105.10500	0.80751	-7.4999	4.8065	-	-	-
	22.66667	20.00000	105.10500	1.3792	-8.1427	5.2920	-	-	-
	23.33333	20.00000	105.10500	1.9229	-9.4700	6.0178	-	-	-
	24.00000	20.00000	105.10500	1.9565	-11.348	6.8457	-	-	-
	24.66667	20.00000	105.10500	2.1012	-11.469	6.8902	-	-	-
	25.33333	20.00000	105.10500	1.3226	-10.202	6.3126	-	-	-
	26.00000	20.00000	105.10500	1.1643	-8.3577	5.4435	-	-	-
	26.66667	20.00000	105.10500	1.6500	-7.4474	4.8074	-	-	-
	27.33333	20.00000	105.10500	-1.6022	-8.0168	4.3711	-	-	-
	28.00000	20.00000	105.10500	-1.2616	-7.7002	4.1107	-	-	-
	28.66667	20.00000	105.10500	-0.99342	-7.5156	3.9235	-	-	-
	29.33333	20.00000	105.10500	-7.8529	-0.23638	3.8328	-	-	-
	30.00000	20.00000	105.10500	-7.2121	-0.16212	3.8293	-	-	-
	30.66667	20.00000	105.10500	-6.6118	-0.11397	3.6700	-	-	-
	31.33333	20.00000	105.10500	-6.0590	-0.085501	3.4144	-	-	-
	32.00000	20.00000	105.10500	-5.5192	-0.064732	3.1035	-	-	-
	32.66667	20.00000	105.10500	-4.9895	-0.049219	2.7716	-	-	-
	33.33333	20.00000	105.10500	-4.4679	-0.037402	2.4405	-	-	-
	34.00000	20.00000	105.10500	-3.9526	-0.028246	2.1200	-	-	-
	34.66667	20.00000	105.10500	-3.4426	-0.021051	1.8076	-	-	-
	35.33333	20.00000	105.10500	-2.9914	-0.015325	1.4990	-	-	-
	36.00000	20.00000	105.10500	-2.7115	-0.010719	1.2234	-	-	-
	36.66667	20.00000	105.10500	-2.4346	-0.0069783	0.96640	-	-	-
	37.33333	20.00000	105.10500	-2.1603	-0.0039162	0.73670	-	-	-
	38.00000	20.00000	105.10500	-1.8882	-0.0013912	0.53973	-	-	-
	38.66667	20.00000	105.10500	-1.6250	0.0	0.37935	-	-	-
	39.33333	20.00000	105.10500	-1.3750	0.0	0.25875	-	-	-
	40.00000	20.00000	105.10500	-1.1250	0.0	0.17304	-	-	-
	40.66667	20.00000	105.10500	-0.87500	0.0	0.11683	-	-	-
	41.33333	20.00000	105.10500	-0.62500	0.0	0.081684	-	-	-
	42.00000	20.00000	105.10500	-0.37500	0.0	0.056093	-	-	-
	42.66667	20.00000	105.10500	-0.12500	0.0	0.025510	-	-	-
	43.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	45.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	47.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	49.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	50.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	0.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	0.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	1.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	2.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	2.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	3.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	4.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	4.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	5.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	6.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	6.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	7.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	8.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	8.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	9.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	10.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	10.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	11.33333	21.00000	105.11025	0.013358	-0.0023984	0.0030600	-	-	-
	12.00000	21.00000	105.11025	0.066051	-0.012467	0.011061	-	-	-
	12.66667	21.00000	105.11025	0.12960	-0.025902	0.020958	-	-	-
	13.33333	21.00000	105.11025	0.20501	-0.043609	0.036740	-	-	-
	14.00000	21.00000	105.11025	0.29462	-0.067083	0.063002	-	-	-
	14.66667	21.00000	105.11025	0.40143	-0.098482	0.10483	-	-	-
	15.33333	21.00000	105.11025	0.52929	-0.14100	0.16787	-	-	-
	16.00000	21.00000	105.11025	0.68555	-0.20029	0.25887	-	-	-
	16.66667	21.00000	105.11025	0.89425	-0.29078	0.38746	-	-	-
	17.33333	21.00000	105.11025	1.1544	-0.42474	0.56217	-	-	-
	18.00000	21.00000	105.11025	1.4785	-0.62923	0.79889	-	-	-
	18.66667	21.00000	105.11025	1.8782	-0.95297	1.1197	-	-	-
	19.33333	21.00000	105.11025	2.3608	-1.4904	1.5579	-	-	-
	20.00000	21.00000	105.11025	2.9196	-2.4306	2.1651	-	-	-
	20.66667	21.00000	105.11025	3.2383	-3.9602	2.9858	-	-	-
	21.33333	21.00000	105.11025	2.7496	-6.0510	4.0398	-	-	-
	22.00000	21.00000	105.11025	1.3190	-7.9148	5.1584	-	-	-
	22.66667	21.00000	105.11025	1.6034	-8.8511	5.6587	-	-	-
	23.33333	21.00000	105.11025	1.6294	-10.026	6.2155	-	-	-
	24.00000	21.00000	105.11025	1.7741	-10.148	6.3103	-	-	-
	24.66667	21.00000	105.11025	1.9188	-10.270	6.3891	-	-	-
	25.33333	21.00000	105.11025	1.7784	-10.056	6.2957	-	-	-
	26.00000	21.00000	105.11025	1.2747	-8.8790	5.7674	-	-	-
	26.66667	21.00000	105.11025	0.0030087	-8.5622	5.3001	-	-	-
	27.33333	21.00000	105.11025	-1.8498	-8.1426	4.8980	-	-	-
	28.00000	21.00000	105.11025	-1.5901	-7.6131	4.5823	-	-	-
	28.66667	21.00000	105.11025	-1.3250	-7.2584	4.3371	-	-	-
	29.33333	21.00000	105.11025	-1.9350	-6.9545	4.1435	-	-	-
	30.00000	21.00000	105.11025	-4.7786	-5.2802	3.9551	-	-	-
	30.66667	21.00000	105.11025	-5.6059	-3.6195	3.7204	-	-	-
	31.33333	21.00000	105.11025	-5.5887	-2.5542	3.4280	-	-	-
	32.00000	21.00000	105.11025	-5.2787	-1.8706	3.0981	-	-	-
	32.66667	21.00000	105.11025	-4.8579	-1.4068	2.7560	-	-	-
	33.33333	21.00000	105.11025	-4.3907	-1.0750	2.4194	-	-	-
	34.00000	21.00000	105.11025	-3.9028	-0.82742	2.0956	-	-	-
	34.66667	21.00000	105.11025	-3.4056	-0.63628	1.7805	-	-	-
	35.33333	21.00000	105.11025	-2.9850	-0.49781	1.4747	-	-	-
	36.00000	21.00000	105.11025	-2.7004	-0.40563	1.2005	-	-	-
	36.66667	21.00000	105.11025	-2.4172	-0.32959	0.94639	-	-	-
	37.33333	21.00000	105.11025	-2.1358	-0.26591	0.71990	-	-	-
	38.00000	21.00000	105.11025	-1.8562	-0.21189	0.52541	-	-	-
	38.66667	21.00000	105.11025	-1.5964	-0.16863	0.36848	-	-	-
	39.33333	21.00000	105.11025	-1.3500	-0.13322	0.25128	-	-	-
	40.00000	21.00000	105.11025	-1.1030	-0.10213	0.16828	-	-	-
	40.66667	21.00000	105.11025	-0.85543	-0.074602	0.11401	-	-	-
	41.33333	21.00000	105.11025	-0.60751	-0.050070	0.079962	-	-	-
	42.00000	21.00000	105.11025	-0.35928	-0.028069	0.054598	-	-	-
	42.66667	21.00000	105.11025	-0.11079	-0.0082270	0.023322	-	-	-
	43.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	45.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	47.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	49.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	50.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	0.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	0.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	1.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	2.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	2.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	3.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	4.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	4.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	5.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	6.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	6.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	7.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	8.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	8.66667	22.00000	105.11550	0.0050451	-0.0010922	918.50E-6	-	-	-
	9.33333	22.00000	105.11550	0.013953	-0.0031849	0.0020130	-	-	-
	10.00000	22.00000	105.11550	0.026657	-0.0064344	0.0035509	-	-	-
	10.66667	22.00000	105.11550	0.043746	-0.011203	0.0062065	-	-	-
	11.33333	22.00000	105.11550	0.066583	-0.018147	0.011828	-	-	-
	12.00000	22.00000	105.11550	0.15260	-0.043106	0.029605	-	-	-
	12.66667	22.00000	105.11550	0.25127	-0.074983	0.050195	-	-	-
	13.33333	22.00000	105.11550	0.36457	-0.11588	0.079229	-	-	-
	14.00000	22.00000	105.11550	0.49486	-0.16866	0.12270	-	-	-
	14.66667	22.00000	105.11550	0.64486	-0.23735	0.18696	-	-	-
	15.33333	22.00000	105.11550	0.81768	-0.32760	0.27874	-	-	-
	16.00000	22.00000	105.11550	1.0166	-0.44756	0.40515	-	-	-
	16.66667	22.00000	105.11550	1.2632	-0.61963	0.57720	-	-	-
	17.33333	22.00000	105.11550	1.5652	-0.87024	0.80349	-	-	-
	18.00000	22.00000	105.11550	1.9038	-1.2233	1.0949	-	-	-
	18.66667	22.00000	105.11550	2.2630	-1.7246	1.4675	-	-	-
	19.33333	22.00000	105.11550	2.5984	-2.4337	1.9379	-	-	-
	20.00000	22.00000	105.11550	2.8421	-3.4294	2.5243	-	-	-
	20.66667	22.00000	105.11550	2.8703	-4.7624	3.2312	-	-	-
	21.33333	22.00000	105.11550	2.4461	-6.2854	4.0267	-	-	-
	22.00000	22.00000	105.11550	1.5239	-7.7606	4.8595	-	-	-
	22.66667	22.00000	105.11550	1.3022	-8.7052	5.3492	-	-	-
	23.33333	22.00000	105.11550	1.4469	-8.8268	5.4595	-	-	-
	24.00000	22.00000	105.11550	1.5916	-8.9484	5.5499	-	-	-
	24.66667	22.00000	105.11550	1.7363	-9.0701	5.6450	-	-	-
	25.33333	22.00000	105.11550	1.8811	-9.1917	5.7326	-	-	-
	26.00000	22.00000	105.11550	1.0629	-8.7398	5.4560	-	-	-
	26.66667	22.00000	105.11550	-0.72668	-8.5353	5.1326	-	-	-
	27.33333	22.00000	105.11550	-1.6734	-7.9089	4.7918	-	-	-
	28.00000	22.00000	105.11550	-1.5474	-7.3426	4.4938	-	-	-
	28.66667	22.00000	105.11550	-1.3608	-6.9148	4.2435	-	-	-
	29.33333	22.00000	105.11550	-1.5372	-6.5800	4.0307	-	-	-
	30.00000	22.00000	105.11550	-3.0841	-5.8708	3.8062	-	-	-
	30.66667	22.00000	105.11550	-4.0570	-4.8506	3.5445	-	-	-
	31.33333	22.00000	105.11550	-4.4537	-3.8619	3.2466	-	-	-
	32.00000	22.00000	105.11550	-4.4745	-3.0401	2.9273	-	-	-
	32.66667	22.00000	105.11550	-4.2784	-2.3891	2.6026	-	-	-
	33.33333	22.00000	105.11550	-3.9596	-1.8765	2.2839	-	-	-
	34.00000	22.00000	105.11550	-3.5705	-1.4695	1.9745	-	-	-
	34.66667	22.00000	105.11550	-3.1399	-1.1417	1.6672	-	-	-
	35.33333	22.00000	105.11550	-2.8368	-0.92369	1.3831	-	-	-
	36.00000	22.00000	105.11550	-2.5712	-0.75728	1.1209	-	-	-
	36.66667	22.00000	105.11550	-2.3002	-0.61777	0.87977	-	-	-
	37.33333	22.00000	105.11550	-2.0264	-0.49948	0.66563	-	-	-
	38.00000	22.00000	105.11550	-1.7512	-0.39815	0.48146	-	-	-
	38.66667	22.00000	105.11550	-1.5132	-0.31970	0.33760	-	-	-
	39.33333	22.00000	105.11550	-1.2771	-0.25205	0.23019	-	-	-
	40.00000	22.00000	105.11550	-1.0385	-0.19231	0.15492	-	-	-
	40.66667	22.00000	105.11550	-0.79804	-0.13919	0.10609	-	-	-
	41.33333	22.00000	105.11550	-0.55610	-0.091664	0.075022	-	-	-
	42.00000	22.00000	105.11550	-0.31296	-0.048900	0.050012	-	-	-
	42.66667	22.00000	105.11550	-0.068855	-0.010226	0.016353	-	-	-
	43.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	44.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	44.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	45.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	46.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	46.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	47.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	48.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	48.66667	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	49.33333	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	50.00000	22.00000	105.11550	0.0	0.0	0.0	-	-	-
	0.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	0.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	1.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	2.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	2.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	3.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	4.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	4.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	5.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	6.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	6.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	7.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	8.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	8.66667	23.00000	105.12075	0.0080578	-0.0023675	0.0017309	-	-	-
	9.33333	23.00000	105.12075	0.027189	-0.0084228	0.0043164	-	-	-
	10.00000	23.00000	105.12075	0.050763	-0.016629	0.0070303	-	-	-
	10.66667	23.00000	105.12075	0.079362	-0.027583	0.011072	-	-	-
	11.33333	23.00000	105.12075	0.11365	-0.042068	0.017936	-	-	-
	12.00000	23.00000	105.12075	0.19496	-0.075169	0.038004	-	-	-
	12.66667	23.00000	105.12075	0.31905	-0.12875	0.066164	-	-	-
	13.33333	23.00000	105.12075	0.45805	-0.19608	0.10266	-	-	-
	14.00000	23.00000	105.12075	0.61353	-0.28104	0.15438	-	-	-
	14.66667	23.00000	105.12075	0.78701	-0.38883	0.22836	-	-	-
	15.33333	23.00000	105.12075	0.97961	-0.52633	0.33167	-	-	-
	16.00000	23.00000	105.12075	1.1916	-0.70280	0.47134	-	-	-
	16.66667	23.00000	105.12075	1.4214	-0.93046	0.65420	-	-	-
	17.33333	23.00000	105.12075	1.6862	-1.2451	0.89168	-	-	-
	18.00000	23.00000	105.12075	1.9759	-1.6786	1.1893	-	-	-
	18.66667	23.00000	105.12075	2.2435	-2.2423	1.5514	-	-	-
	19.33333	23.00000	105.12075	2.4438	-2.9601	1.9840	-	-	-
	20.00000	23.00000	105.12075	2.5105	-3.8397	2.4868	-	-	-
	20.66667	23.00000	105.12075	2.3651	-4.8534	3.0492	-	-	-
	21.33333	23.00000	105.12075	2.0238	-6.0260	3.6662	-	-	-
	22.00000	23.00000	105.12075	1.3870	-7.1725	4.2839	-	-	-
	22.66667	23.00000	105.12075	1.1197	-7.5056	4.5303	-	-	-
	23.33333	23.00000	105.12075	1.2645	-7.6272	4.6274	-	-	-
	24.00000	23.00000	105.12075	1.4092	-7.7488	4.7258	-	-	-
	24.66667	23.00000	105.12075	1.5539	-7.8705	4.8251	-	-	-
	25.33333	23.00000	105.12075	1.5352	-8.0850	4.9231	-	-	-
	26.00000	23.00000	105.12075	0.52478	-8.1675	4.8268	-	-	-
	26.66667	23.00000	105.12075	-0.72328	-7.8564	4.5961	-	-	-
	27.33333	23.00000	105.12075	-1.3599	-7.3123	4.3249	-	-	-
	28.00000	23.00000	105.12075	-1.3233	-6.8044	4.0683	-	-	-
	28.66667	23.00000	105.12075	-1.2122	-6.3846	3.8356	-	-	-
	29.33333	23.00000	105.12075	-1.3400	-6.0931	3.6396	-	-	-
	30.00000	23.00000	105.12075	-2.2886	-5.6358	3.4285	-	-	-
	30.66667	23.00000	105.12075	-3.0038	-4.9724	3.1838	-	-	-
	31.33333	23.00000	105.12075	-3.4240	-4.2334	2.9140	-	-	-
	32.00000	23.00000	105.12075	-3.5796	-3.5194	2.6299	-	-	-
	32.66667	23.00000	105.12075	-3.5341	-2.8793	2.3415	-	-	-
	33.33333	23.00000	105.12075	-3.3469	-2.3263	2.0547	-	-	-
	34.00000	23.00000	105.12075	-3.0634	-1.8558	1.7678	-	-	-
	34.66667	23.00000	105.12075	-2.7924	-1.4996	1.4888	-	-	-
	35.33333	23.00000	105.12075	-2.5789	-1.2441	1.2338	-	-	-
	36.00000	23.00000	105.12075	-2.3454	-1.0264	0.99358	-	-	-
	36.66667	23.00000	105.12075	-2.0984	-0.83982	0.77440	-	-	-
	37.33333	23.00000	105.12075	-1.8424	-0.67883	0.58015	-	-	-
	38.00000	23.00000	105.12075	-1.5982	-0.54484	0.41590	-	-	-
	38.66667	23.00000	105.12075	-1.3832	-0.43834	0.29156	-	-	-
	39.33333	23.00000	105.12075	-1.1621	-0.34405	0.19917	-	-	-
	40.00000	23.00000	105.12075	-0.93621	-0.26006	0.13554	-	-	-
	40.66667	23.00000	105.12075	-0.70649	-0.18484	0.094586	-	-	-
	41.33333	23.00000	105.12075	-0.47372	-0.11713	0.067334	-	-	-
	42.00000	23.00000	105.12075	-0.23846	-0.055890	0.041846	-	-	-
	42.66667	23.00000	105.12075	-0.0011790	-262.64E-6	0.0032149	-	-	-
	43.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	44.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	44.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	45.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	46.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	46.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	47.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	48.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	48.66667	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	49.33333	23.00000	105.12075	0.0	0.0	0.0	-	-	-
	50.00000	23.00000	105.12075	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	0.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	0.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	1.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	2.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	2.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	3.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	4.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	4.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	5.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	6.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	6.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	7.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	8.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	8.66667	24.00000	105.12600		186.94E-6	-69.379E-6	378.91E-6	-	-
	9.33333	24.00000	105.12600		0.027384	-0.010716	0.0050830	-	-
	10.00000	24.00000	105.12600		0.059211	-0.024501	0.0089522	-	-
	10.66667	24.00000	105.12600		0.096139	-0.042207	0.013597	-	-
	11.33333	24.00000	105.12600		0.13866	-0.064829	0.020863	-	-
	12.00000	24.00000	105.12600		0.18727	-0.093636	0.032805	-	-
	12.66667	24.00000	105.12600		0.32718	-0.16829	0.067844	-	-
	13.33333	24.00000	105.12600		0.48037	-0.26035	0.10719	-	-
	14.00000	24.00000	105.12600		0.64729	-0.37407	0.15940	-	-
	14.66667	24.00000	105.12600		0.82793	-0.51482	0.23174	-	-
	15.33333	24.00000	105.12600		1.0214	-0.68935	0.33117	-	-
	16.00000	24.00000	105.12600		1.2252	-0.90598	0.46421	-	-
	16.66667	24.00000	105.12600		1.4347	-1.1747	0.63661	-	-
	17.33333	24.00000	105.12600		1.6413	-1.5070	0.85310	-	-
	18.00000	24.00000	105.12600		1.8315	-1.9150	1.1169	-	-
	18.66667	24.00000	105.12600		2.0169	-2.4616	1.4390	-	-
	19.33333	24.00000	105.12600		2.1301	-3.1155	1.8081	-	-
	20.00000	24.00000	105.12600		2.1282	-3.8640	2.2198	-	-
	20.66667	24.00000	105.12600		1.9721	-4.6789	2.6635	-	-
	21.33333	24.00000	105.12600		1.6359	-5.5120	3.1216	-	-
	22.00000	24.00000	105.12600		1.2272	-5.9789	3.4552	-	-
	22.66667	24.00000	105.12600		0.93730	-6.3060	3.7104	-	-
	23.33333	24.00000	105.12600		1.0820	-6.4276	3.8102	-	-
	24.00000	24.00000	105.12600		1.2267	-6.5493	3.9079	-	-
	24.66667	24.00000	105.12600		1.3087	-6.7076	4.0050	-	-
	25.33333	24.00000	105.12600		0.94350	-7.0444	4.0813	-	-
	26.00000	24.00000	105.12600		0.29778	-7.1569	4.0598	-	-
	26.66667	24.00000	105.12600		-0.57956	-6.8837	3.8899	-	-
	27.33333	24.00000	105.12600		-1.0389	-6.4621	3.6752	-	-
	28.00000	24.00000	105.12600		-1.0855	-6.1079	3.4733	-	-
	28.66667	24.00000	105.12600		-1.0746	-5.7946	3.2855	-	-
	29.33333	24.00000	105.12600		-1.1685	-5.5214	3.1149	-	-
	30.00000	24.00000	105.12600		-1.7871	-5.1590	2.9314	-	-
	30.66667	24.00000	105.12600		-2.2862	-4.6707	2.7228	-	-
	31.33333	24.00000	105.12600		-2.6222	-4.1087	2.4953	-	-
	32.00000	24.00000	105.12600		-2.7883	-3.5267	2.2554	-	-
	32.66667	24.00000	105.12600		-2.8023	-2.9644	2.0076	-	-
	33.33333	24.00000	105.12600		-2.6921	-2.4440	1.7522	-	-
	34.00000	24.00000	105.12600		-2.5569	-2.0344	1.5023	-	-
	34.66667	24.00000	105.12600		-2.4228	-1.7165	1.2679	-	-
	35.33333	24.00000	105.12600		-2.2512	-1.4369	1.0429	-	-
	36.00000	24.00000	105.12600		-2.0523	-1.1916	0.83296	-	-
	36.66667	24.00000	105.12600		-1.8334	-0.97611	0.64214	-	-
	37.33333	24.00000	105.12600		-1.6001	-0.78651	0.47255	-	-
	38.00000	24.00000	105.12600		-1.4111	-0.64143	0.33935	-	-
	38.66667	24.00000	105.12600		-1.2169	-0.51420	0.23746	-	-
	39.33333	24.00000	105.12600		-1.0136	-0.40009	0.16347	-	-
	40.00000	24.00000	105.12600		-0.80285	-0.29735	0.11357	-	-
	40.66667	24.00000	105.12600		-0.58624	-0.20450	0.081221	-	-
	41.33333	24.00000	105.12600		-0.36481	-0.12027	0.057018	-	-
	42.00000	24.00000	105.12600		-0.13943	-0.043573	0.028695	-	-
	42.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	43.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	44.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	44.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	45.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	46.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	46.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	47.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	48.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	48.66667	24.00000	105.12600		0.0	0.0	0.0	-	-
	49.33333	24.00000	105.12600		0.0	0.0	0.0	-	-
	50.00000	24.00000	105.12600		0.0	0.0	0.0	-	-
	0.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	0.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	1.33333	25.00000	105.13125		0.0	0.0	0.0	-	-
	2.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	2.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	3.33333	25.00000	105.13125		0.0	0.0	0.0	-	-
	4.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	4.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	5.33333	25.00000	105.13125		0.0	0.0	0.0	-	-
	6.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	6.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	7.33333	25.00000	105.13125		0.0	0.0	0.0	-	-
	8.00000	25.00000	105.13125		0.0	0.0	0.0	-	-
	8.66667	25.00000	105.13125		0.0	0.0	0.0	-	-
	9.33333	25.00000	105.13125		0.013187	-0.0062351	0.0032482	-	-
	10.00000	25.00000	105.13125		0.050731	-0.025366	0.0090022	-	-
	10.66667	25.00000	105.13125		0.093008	-0.049339	0.014190	-	-
	11.33333	25.00000	105.13125		0.14027	-0.079245	0.020902	-	-
	12.00000	25.00000	105.13125		0.19270	-0.11542	0.031360	-	-
	12.66667	25.00000	105.13125		0.27697	-0.17670	0.055111	-	-
	13.33333	25.00000	105.13125		0.43526	-0.28843	0.095704	-	-
	14.00000	25.00000	105.13125		0.60349	-0.42367	0.14399	-	-
	14.66667	25.00000	105.13125		0.78040	-0.58725	0.20729	-	-
	15.33333	25.00000	105.13125		0.96360	-0.78483	0.29231	-	-
	16.00000	25.00000	105.13125		1.1491	-1.0228	0.40500	-	-
	16.66667	25.00000	105.13125		1.3308	-1.3083	0.55019	-	-
	17.33333	25.00000	105.13125		1.4995	-1.6481	0.73131	-	-
	18.00000	25.00000	105.13125		1.6427	-2.0481	0.95000	-	-
	18.66667	25.00000	105.13125		1.7439	-2.5118	1.2056	-	-
	19.33333	25.00000	105.13125		1.7836	-3.0377	1.4949	-	-
	20.00000	25.00000	105.13125		1.7405	-3.6173	1.8114	-	-
	20.66667	25.00000	105.13125		1.5993	-4.2581	2.1498	-	-
	21.33333	25.00000	105.13125		1.4027	-4.7022	2.4323	-	-
	22.00000	25.00000	105.13125		1.1576	-5.0250	2.6797	-	-
	22.66667	25.00000	105.13125		0.88141	-5.2519	2.8944	-	-
	23.33333	25.00000	105.13125		0.93212	-5.3047	2.9881	-	-
	24.00000	25.00000	105.13125		1.0163	-5.4186	3.0865	-	-
	24.66667	25.00000	105.13125		0.84113	-5.7208	3.1774	-	-
	25.33333	25.00000	105.13125		0.55817	-5.9787	3.2364	-	-
	26.00000	25.00000	105.13125		0.15780	-6.1379	3.2525	-	-
	26.66667	25.00000	105.13125		-0.48188	-5.9583	3.1379	-	-
	27.33333	25.00000	105.13125		-0.84100	-5.6673	2.9837	-	-
	28.00000	25.00000	105.13125		-0.90174	-5.3722	2.8265	-	-
	28.66667	25.00000	105.13125		-0.91472	-5.0992	2.6773	-	-
	29.33333	25.00000	105.13125		-0.98745	-4.8514	2.5397	-	-
	30.00000	25.00000	105.13125		-1.4058	-4.5482	2.3911	-	-
	30.66667	25.00000	105.13125		-1.7498	-4.1617	2.2218	-	-
	31.33333	25.00000	105.13125		-1.9929	-3.7164	2.0351	-	-
	32.00000	25.00000	105.13125		-2.1237	-3.2413	1.8331	-	-
	32.66667	25.00000	105.13125		-2.1663	-2.7937	1.6223	-	-
	33.33333	25.00000	105.13125		-2.1763	-2.4317	1.4199	-	-
	34.00000	25.00000	105.13125		-2.1260	-2.0937	1.2173	-	-
	34.66667	25.00000	105.13125		-2.0267	-1.7834	1.0195	-	-
	35.33333	25.00000	105.13125		-1.8884	-1.5016	0.83124	-	-
	36.00000	25.00000	105.13125		-1.7197	-1.2475	0.65609	-	-
	36.66667	25.00000	105.13125		-1.5273	-1.0191	0.49628	-	-
	37.33333	25.00000	105.13125		-1.3586	-0.83519	0.36280	-	-
	38.00000	25.00000	105.13125		-1.1994	-0.68150	0.26061	-	-
	38.66667	25.00000	105.13125		-1.0260	-0.54188	0.18319	-	-
	39.33333	25.00000	105.13125		-0.84081	-0.41487	0.12855	-	-
	40.00000	25.00000	105.13125		-0.64614	-0.29914	0.092185	-	-
	40.66667	25.00000	105.13125		-0.44364	-0.19345	0.066937	-	-
	41.33333	25.00000	105.13125		-0.23466	-0.096702	0.042908	-	-
	42.00000	25.00000	105.13125		-0.020292	-0.0079265	0.0074016	-	-
	42.66667	25.00000	105.13125		0.0	0.0	0.0	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
		43.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		44.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		44.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		45.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		46.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		46.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		47.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		48.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		48.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		49.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		50.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
		0.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		0.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		1.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		2.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		2.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		3.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		4.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		4.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		5.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		6.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		6.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		7.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		8.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		8.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		9.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		10.00000	26.00000	105.13650	0.025639	-0.015029	0.0059778	-	-	-
		10.66667	26.00000	105.13650	0.070801	-0.044035	0.012790	-	-	-
		11.33333	26.00000	105.13650	0.12007	-0.079524	0.019218	-	-	-
		12.00000	26.00000	105.13650	0.17331	-0.12276	0.027586	-	-	-
		12.66667	26.00000	105.13650	0.23022	-0.17524	0.040214	-	-	-
		13.33333	26.00000	105.13650	0.33175	-0.26576	0.070341	-	-	-
		14.00000	26.00000	105.13650	0.49510	-0.41394	0.11512	-	-	-
		14.66667	26.00000	105.13650	0.66251	-0.58944	0.16751	-	-	-
		15.33333	26.00000	105.13650	0.83083	-0.79651	0.23407	-	-	-
		16.00000	26.00000	105.13650	0.99551	-1.0396	0.32038	-	-	-
		16.66667	26.00000	105.13650	1.1503	-1.3228	0.43073	-	-	-
		17.33333	26.00000	105.13650	1.2870	-1.6498	0.56791	-	-	-
		18.00000	26.00000	105.13650	1.3953	-2.0224	0.73291	-	-	-
		18.66667	26.00000	105.13650	1.4629	-2.4402	0.92460	-	-	-
		19.33333	26.00000	105.13650	1.4764	-2.8987	1.1395	-	-	-
		20.00000	26.00000	105.13650	1.4225	-3.3891	1.3719	-	-	-
		20.66667	26.00000	105.13650	1.3300	-3.7690	1.5858	-	-	-
		21.33333	26.00000	105.13650	1.2048	-4.0756	1.7852	-	-	-
		22.00000	26.00000	105.13650	1.0435	-4.3438	1.9734	-	-	-
		22.66667	26.00000	105.13650	0.85916	-4.5621	2.1433	-	-	-
		23.33333	26.00000	105.13650	0.83553	-4.6696	2.2527	-	-	-
		24.00000	26.00000	105.13650	0.71419	-4.8335	2.3308	-	-	-
		24.66667	26.00000	105.13650	0.53455	-4.9814	2.3916	-	-	-
		25.33333	26.00000	105.13650	0.30297	-5.0978	2.4304	-	-	-
		26.00000	26.00000	105.13650	0.027707	-5.1696	2.4435	-	-	-
		26.66667	26.00000	105.13650	-0.40045	-5.0336	2.3783	-	-	-
		27.33333	26.00000	105.13650	-0.66645	-4.7978	2.2689	-	-	-
		28.00000	26.00000	105.13650	-0.72730	-4.5559	2.1549	-	-	-
		28.66667	26.00000	105.13650	-0.75019	-4.3245	2.0451	-	-	-
		29.33333	26.00000	105.13650	-0.80658	-4.1082	1.9431	-	-	-
		30.00000	26.00000	105.13650	-1.0922	-3.8685	1.8318	-	-	-
		30.66667	26.00000	105.13650	-1.3352	-3.5911	1.7040	-	-	-
		31.33333	26.00000	105.13650	-1.5252	-3.2858	1.5625	-	-	-
		32.00000	26.00000	105.13650	-1.6563	-2.9645	1.4104	-	-	-
		32.66667	26.00000	105.13650	-1.7281	-2.6387	1.2512	-	-	-
		33.33333	26.00000	105.13650	-1.7436	-2.3184	1.0888	-	-	-
		34.00000	26.00000	105.13650	-1.7088	-2.0106	0.92708	-	-	-
		34.66667	26.00000	105.13650	-1.6303	-1.7201	0.76968	-	-	-
		35.33333	26.00000	105.13650	-1.5150	-1.4494	0.61964	-	-	-
		36.00000	26.00000	105.13650	-1.3694	-1.1994	0.47890	-	-	-
		36.66667	26.00000	105.13650	-1.2340	-0.99157	0.35651	-	-	-
		37.33333	26.00000	105.13650	-1.1144	-0.82213	0.26283	-	-	-
		38.00000	26.00000	105.13650	-0.97573	-0.66527	0.18942	-	-	-
		38.66667	26.00000	105.13650	-0.82101	-0.52036	0.13562	-	-	-
		39.33333	26.00000	105.13650	-0.65296	-0.38662	0.098509	-	-	-
		40.00000	26.00000	105.13650	-0.47376	-0.26320	0.072778	-	-	-
		40.66667	26.00000	105.13650	-0.28522	-0.14924	0.050565	-	-	-
		41.33333	26.00000	105.13650	-0.088811	-0.043918	0.021373	-	-	-
		42.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		42.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		43.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		44.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		44.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		45.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		46.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		46.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		47.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		48.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		48.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		49.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		50.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
		0.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		0.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		1.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		2.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		2.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		3.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		4.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		4.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		5.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		6.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		6.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		7.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		8.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		8.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		9.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		10.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
		10.66667	27.00000	105.14175	0.031625	-0.022562	0.0077313	-	-	-
		11.33333	27.00000	105.14175	0.080999	-0.061538	0.015704	-	-	-
		12.00000	27.00000	105.14175	0.13317	-0.10820	0.023097	-	-	-
		12.66667	27.00000	105.14175	0.18756	-0.16377	0.032247	-	-	-
		13.33333	27.00000	105.14175	0.24332	-0.22959	0.045351	-	-	-
		14.00000	27.00000	105.14175	0.33670	-0.33651	0.075422	-	-	-
		14.66667	27.00000	105.14175	0.49265	-0.51418	0.12119	-	-	-
		15.33333	27.00000	105.14175	0.64569	-0.71954	0.17214	-	-	-
		16.00000	27.00000	105.14175	0.79139	-0.95528	0.23377	-	-	-
		16.66667	27.00000	105.14175	0.92415	-1.2235	0.31032	-	-	-
		17.33333	27.00000	105.14175	1.0371	-1.5255	0.40453	-	-	-
		18.00000	27.00000	105.14175	1.1223	-1.8608	0.51747	-	-	-
		18.66667	27.00000	105.14175	1.1708	-2.2270	0.64837	-	-	-
		19.33333	27.00000	105.14175	1.1738	-2.6189	0.79460	-	-	-
		20.00000	27.00000	105.14175	1.1460	-2.9521	0.94032	-	-	-
		20.66667	27.00000	105.14175	1.0959	-3.2310	1.0832	-	-	-
		21.33333	27.00000	105.14175	1.0163	-3.4893	1.2251	-	-	-
		22.00000	27.00000	105.14175	0.91307	-3.7178	1.3616	-	-	-
		22.66667	27.00000	105.14175	0.79487	-3.9090	1.4887	-	-	-
		23.33333	27.00000	105.14175	0.61203	-4.0992	1.5855	-	-	-
		24.00000	27.00000	105.14175	0.50835	-4.2250	1.6430	-	-	-
		24.66667	27.00000	105.14175	0.36533	-4.3312	1.6886	-	-	-
		25.33333	27.00000	105.14175	0.18651	-4.4094	1.7181	-	-	-
		26.00000	27.00000	105.14175	-0.021242	-4.4515	1.7282	-	-	-
		26.66667	27.00000	105.14175	-0.30871	-4.3802	1.6983	-	-	-
		27.33333	27.00000	105.14175	-0.51513	-4.1932	1.6264	-	-	-
		28.00000	27.00000	105.14175	-0.56850	-3.9971	1.5500	-	-	-
		28.66667	27.00000	105.14175	-0.59238	-3.8045	1.4760	-	-	-
		29.33333	27.00000	105.14175	-0.63903	-3.6196	1.4071	-	-	-
		30.00000	27.00000	105.14175	-0.85464	-3.4152	1.3293	-	-	-
		30.66667	27.00000	105.14175	-1.0376	-3.1811	1.2373	-	-	-
		31.33333	27.00000	105.14175	-1.1813	-2.9237	1.1336	-	-	-
		32.00000	27.00000	105.14175	-1.2812	-2.6508	1.0210	-	-	-
		32.66667	27.00000	105.14175	-1.3360	-2.3703	0.90242	-	-	-
		33.33333	27.00000	105.14175	-1.3466	-2.0893	0.78093	-	-	-
		34.00000	27.00000	105.14175	-1.3158	-1.8138	0.65928	-	-	-
		34.66667	27.00000	105.14175	-1.2475	-1.5482	0.53974	-	-	-
		35.33333	27.00000	105.14175	-1.1462	-1.2956	0.42375	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	36.00000	27.00000	105.14175	-1.0559	-1.0869	0.32194	-	-	-
	36.66667	27.00000	105.14175	-0.97536	-0.91440	0.24355	-	-	-
	37.33333	27.00000	105.14175	-0.87234	-0.75078	0.18044	-	-	-
	38.00000	27.00000	105.14175	-0.74996	-0.59656	0.13274	-	-	-
	38.66667	27.00000	105.14175	-0.61100	-0.45180	0.098659	-	-	-
	39.33333	27.00000	105.14175	-0.45787	-0.31629	0.074279	-	-	-
	40.00000	27.00000	105.14175	-0.29262	-0.18966	0.053392	-	-	-
	40.66667	27.00000	105.14175	-0.11700	-0.071426	0.027354	-	-	-
	41.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	42.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	42.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	43.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	44.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	44.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	45.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	46.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	46.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	47.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	48.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	48.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	49.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	50.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	0.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	0.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	1.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	2.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	2.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	3.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	4.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	4.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	5.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	6.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	6.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	7.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	8.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	8.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	9.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	10.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	10.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	11.33333	28.00000	105.14700	0.026626	-0.022822	0.0074743	-	-	-
	12.00000	28.00000	105.14700	0.076756	-0.070360	0.016877	-	-	-
	12.66667	28.00000	105.14700	0.12795	-0.12604	0.025008	-	-	-
	13.33333	28.00000	105.14700	0.17924	-0.19081	0.034070	-	-	-
	14.00000	28.00000	105.14700	0.22938	-0.26560	0.046010	-	-	-
	14.66667	28.00000	105.14700	0.28699	-0.36084	0.067490	-	-	-
	15.33333	28.00000	105.14700	0.42671	-0.55614	0.11218	-	-	-
	16.00000	28.00000	105.14700	0.55722	-0.77607	0.15788	-	-	-
	16.66667	28.00000	105.14700	0.67381	-1.0214	0.20911	-	-	-
	17.33333	28.00000	105.14700	0.77106	-1.2917	0.26904	-	-	-
	18.00000	28.00000	105.14700	0.84298	-1.5857	0.33935	-	-	-
	18.66667	28.00000	105.14700	0.88338	-1.8999	0.42017	-	-	-
	19.33333	28.00000	105.14700	0.89879	-2.1881	0.50583	-	-	-
	20.00000	28.00000	105.14700	0.89825	-2.4384	0.59398	-	-	-
	20.66667	28.00000	105.14700	0.87543	-2.6776	0.68597	-	-	-
	21.33333	28.00000	105.14700	0.83266	-2.8991	0.77942	-	-	-
	22.00000	28.00000	105.14700	0.77423	-3.0967	0.87203	-	-	-
	22.66667	28.00000	105.14700	0.62695	-3.3061	0.95913	-	-	-
	23.33333	28.00000	105.14700	0.43694	-3.4830	1.0307	-	-	-
	24.00000	28.00000	105.14700	0.35684	-3.5775	1.0702	-	-	-
	24.66667	28.00000	105.14700	0.24781	-3.6533	1.1024	-	-	-
	25.33333	28.00000	105.14700	0.11330	-3.7049	1.1238	-	-	-
	26.00000	28.00000	105.14700	-0.041258	-3.7271	1.1317	-	-	-
	26.66667	28.00000	105.14700	-0.22834	-3.6942	1.1200	-	-	-
	27.33333	28.00000	105.14700	-0.38441	-3.5472	1.0770	-	-	-
	28.00000	28.00000	105.14700	-0.42648	-3.3898	1.0305	-	-	-
	28.66667	28.00000	105.14700	-0.44596	-3.2318	0.98560	-	-	-
	29.33333	28.00000	105.14700	-0.48107	-3.0767	0.94392	-	-	-
	30.00000	28.00000	105.14700	-0.64065	-2.9044	0.89514	-	-	-
	30.66667	28.00000	105.14700	-0.77472	-2.7070	0.83504	-	-	-
	31.33333	28.00000	105.14700	-0.87854	-2.4894	0.76544	-	-	-
	32.00000	28.00000	105.14700	-0.94886	-2.2570	0.68834	-	-	-
	32.66667	28.00000	105.14700	-0.98405	-2.0155	0.60573	-	-	-
	33.33333	28.00000	105.14700	-0.98408	-1.7703	0.51942	-	-	-
	34.00000	28.00000	105.14700	-0.95022	-1.5262	0.43084	-	-	-
	34.66667	28.00000	105.14700	-0.88471	-1.2869	0.34073	-	-	-
	35.33333	28.00000	105.14700	-0.84863	-1.1069	0.26698	-	-	-
	36.00000	28.00000	105.14700	-0.80158	-0.94304	0.20763	-	-	-
	36.66667	28.00000	105.14700	-0.73100	-0.78321	0.15873	-	-	-
	37.33333	28.00000	105.14700	-0.63939	-0.62891	0.12077	-	-	-
	38.00000	28.00000	105.14700	-0.52919	-0.48108	0.092594	-	-	-
	38.66667	28.00000	105.14700	-0.40263	-0.34025	0.071265	-	-	-
	39.33333	28.00000	105.14700	-0.26177	-0.20666	0.051799	-	-	-
	40.00000	28.00000	105.14700	-0.10841	-0.080304	0.027026	-	-	-
	40.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	41.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	42.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	42.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	43.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	44.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	44.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	45.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	46.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	46.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	47.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	48.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	48.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	49.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	50.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	0.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	0.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	1.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	2.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	2.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	3.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	4.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	4.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	5.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	6.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	6.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	7.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	8.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	8.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	9.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	10.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	10.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	11.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	12.00000	29.00000	105.15225	0.0083574	-0.0085315	0.0035669	-	-	-
	12.66667	29.00000	105.15225	0.056395	-0.061866	0.015104	-	-	-
	13.33333	29.00000	105.15225	0.10370	-0.12294	0.024223	-	-	-
	14.00000	29.00000	105.15225	0.14911	-0.19227	0.032937	-	-	-
	14.66667	29.00000	105.15225	0.19118	-0.27022	0.042934	-	-	-
	15.33333	29.00000	105.15225	0.22821	-0.35689	0.055515	-	-	-
	16.00000	29.00000	105.15225	0.30769	-0.51106	0.088517	-	-	-
	16.66667	29.00000	105.15225	0.41381	-0.72899	0.12888	-	-	-
	17.33333	29.00000	105.15225	0.50223	-0.96498	0.16914	-	-	-
	18.00000	29.00000	105.15225	0.56859	-1.2169	0.21188	-	-	-
	18.66667	29.00000	105.15225	0.61428	-1.4631	0.25672	-	-	-
	19.33333	29.00000	105.15225	0.64732	-1.6875	0.30327	-	-	-
	20.00000	29.00000	105.15225	0.66395	-1.9058	0.35334	-	-	-
	20.66667	29.00000	105.15225	0.66498	-2.1136	0.40646	-	-	-
	21.33333	29.00000	105.15225	0.65243	-2.3061	0.46199	-	-	-
	22.00000	29.00000	105.15225	0.58294	-2.5027	0.51817	-	-	-
	22.66667	29.00000	105.15225	0.46838	-2.6807	0.57008	-	-	-
	23.33333	29.00000	105.15225	0.32875	-2.8240	0.61453	-	-	-
	24.00000	29.00000	105.15225	0.24622	-2.9049	0.64262	-	-	-
	24.66667	29.00000	105.15225	0.16750	-2.9582	0.66390	-	-	-
	25.33333	29.00000	105.15225	0.070107	-2.9907	0.67885	-	-	-
	26.00000	29.00000	105.15225	-0.041695	-2.9989	0.68527	-	-	-
	26.66667	29.00000	105.15225	-0.16262	-2.9804	0.68161	-	-	-
	27.33333	29.00000	105.15225	-0.27120	-2.8711	0.65926	-	-	-
	28.00000	29.00000	105.15225	-0.30031	-2.7464	0.63422	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	28.66667	29.00000	105.15225	-0.31227	-2.6187	0.61015	-	-	-
	29.33333	29.00000	105.15225	-0.33473	-2.4909	0.58796	-	-	-
	30.00000	29.00000	105.15225	-0.44744	-2.3472	0.56037	-	-	-
	30.66667	29.00000	105.15225	-0.54002	-2.1817	0.52418	-	-	-
	31.33333	29.00000	105.15225	-0.60894	-1.9981	0.48029	-	-	-
	32.00000	29.00000	105.15225	-0.65163	-1.8005	0.42959	-	-	-
	32.66667	29.00000	105.15225	-0.66654	-1.5931	0.37287	-	-	-
	33.33333	29.00000	105.15225	-0.65320	-1.3801	0.31058	-	-	-
	34.00000	29.00000	105.15225	-0.63529	-1.1912	0.24868	-	-	-
	34.66667	29.00000	105.15225	-0.63657	-1.0480	0.20381	-	-	-
	35.33333	29.00000	105.15225	-0.61429	-0.90140	0.16377	-	-	-
	36.00000	29.00000	105.15225	-0.58966	-0.75396	0.13002	-	-	-
	36.66667	29.00000	105.15225	-0.50424	-0.60779	0.10299	-	-	-
	37.33333	29.00000	105.15225	-0.41974	-0.46447	0.081800	-	-	-
	38.00000	29.00000	105.15225	-0.31793	-0.32516	0.064044	-	-	-
	38.66667	29.00000	105.15225	-0.20055	-0.19067	0.045573	-	-	-
	39.33333	29.00000	105.15225	-0.069247	-0.061503	0.020303	-	-	-
	40.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	40.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	41.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	43.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	45.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	47.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	49.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	50.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	0.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	0.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	1.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	2.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	2.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	3.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	4.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	4.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	5.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	6.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	6.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	7.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	8.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	8.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	9.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	10.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	10.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	11.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	12.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	12.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	13.33333	30.00000	105.15750	0.021263	-0.027780	0.0080750	-	-	-
	14.00000	30.00000	105.15750	0.063222	-0.089842	0.019293	-	-	-
	14.66667	30.00000	105.15750	0.10177	-0.15852	0.028492	-	-	-
	15.33333	30.00000	105.15750	0.13556	-0.23362	0.037172	-	-	-
	16.00000	30.00000	105.15750	0.16313	-0.31461	0.046448	-	-	-
	16.66667	30.00000	105.15750	0.18299	-0.40061	0.057029	-	-	-
	17.33333	30.00000	105.15750	0.23865	-0.55984	0.087739	-	-	-
	18.00000	30.00000	105.15750	0.30670	-0.76702	0.12126	-	-	-
	18.66667	30.00000	105.15750	0.36307	-0.96897	0.15078	-	-	-
	19.33333	30.00000	105.15750	0.40752	-1.1676	0.17877	-	-	-
	20.00000	30.00000	105.15750	0.44019	-1.3597	0.20648	-	-	-
	20.66667	30.00000	105.15750	0.46200	-1.5420	0.23484	-	-	-
	21.33333	30.00000	105.15750	0.45031	-1.7230	0.26426	-	-	-
	22.00000	30.00000	105.15750	0.40183	-1.8912	0.29337	-	-	-
	22.66667	30.00000	105.15750	0.33033	-2.0340	0.32088	-	-	-
	23.33333	30.00000	105.15750	0.23989	-2.1469	0.34538	-	-	-
	24.00000	30.00000	105.15750	0.16673	-2.2158	0.36328	-	-	-
	24.66667	30.00000	105.15750	0.11464	-2.2520	0.37605	-	-	-
	25.33333	30.00000	105.15750	0.048520	-2.2704	0.38564	-	-	-
	26.00000	30.00000	105.15750	-0.028286	-2.2684	0.39052	-	-	-
	26.66667	30.00000	105.15750	-0.11179	-2.2446	0.38956	-	-	-
	27.33333	30.00000	105.15750	-0.17266	-2.1725	0.37997	-	-	-
	28.00000	30.00000	105.15750	-0.18832	-2.0756	0.36767	-	-	-
	28.66667	30.00000	105.15750	-0.19112	-1.9743	0.35563	-	-	-
	29.33333	30.00000	105.15750	-0.20042	-1.8709	0.34403	-	-	-
	30.00000	30.00000	105.15750	-0.27277	-1.7529	0.32803	-	-	-
	30.66667	30.00000	105.15750	-0.32924	-1.6153	0.30514	-	-	-
	31.33333	30.00000	105.15750	-0.36704	-1.4612	0.27524	-	-	-
	32.00000	30.00000	105.15750	-0.38405	-1.2938	0.23808	-	-	-
	32.66667	30.00000	105.15750	-0.39504	-1.1395	0.19728	-	-	-
	33.33333	30.00000	105.15750	-0.42679	-1.0326	0.17090	-	-	-
	34.00000	30.00000	105.15750	-0.43938	-0.91538	0.14519	-	-	-
	34.66667	30.00000	105.15750	-0.43230	-0.79079	0.12157	-	-	-
	35.33333	30.00000	105.15750	-0.40564	-0.66137	0.10095	-	-	-
	36.00000	30.00000	105.15750	-0.35995	-0.52934	0.083410	-	-	-
	36.66667	30.00000	105.15750	-0.29615	-0.39663	0.068032	-	-	-
	37.33333	30.00000	105.15750	-0.21533	-0.26475	0.052615	-	-	-
	38.00000	30.00000	105.15750	-0.11875	-0.13494	0.033481	-	-	-
	38.66667	30.00000	105.15750	-0.0076884	-0.0081216	0.0052711	-	-	-
	39.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	40.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	40.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	41.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	42.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	42.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	43.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	44.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	44.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	45.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	46.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	46.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	47.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	48.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	48.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	49.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	50.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	0.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	0.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	1.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	2.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	2.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	3.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	4.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	4.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	5.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	6.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	6.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	7.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	8.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	8.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	9.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	10.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	10.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	11.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	12.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	12.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	13.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	14.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	14.66667	31.00000	105.16275	0.011783	-0.020054	0.0062351	-	-	-
	15.33333	31.00000	105.16275	0.044186	-0.083201	0.017952	-	-	-
	16.00000	31.00000	105.16275	0.071299	-0.15024	0.027380	-	-	-
	16.66667	31.00000	105.16275	0.092073	-0.22023	0.035589	-	-	-
	17.33333	31.00000	105.16275	0.10555	-0.29191	0.043302	-	-	-
	18.00000	31.00000	105.16275	0.11095	-0.36367	0.050912	-	-	-
	18.66667	31.00000	105.16275	0.12161	-0.45628	0.066871	-	-	-
	19.33333	31.00000	105.16275	0.17734	-0.63314	0.096211	-	-	-
	20.00000	31.00000	105.16275	0.22476	-0.80348	0.11969	-	-	-
	20.66667	31.00000	105.16275	0.25531	-0.96877	0.13927	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	21.33333	31.00000	105.16275		0.25957	-1.1233	0.15608	-	-
	22.00000	31.00000	105.16275		0.24362	-1.2591	0.17116	-	-
	22.66667	31.00000	105.16275		0.21006	-1.3724	0.18488	-	-
	23.33333	31.00000	105.16275		0.16230	-1.4596	0.19711	-	-
	24.00000	31.00000	105.16275		0.11129	-1.5152	0.20691	-	-
	24.66667	31.00000	105.16275		0.082522	-1.5383	0.21297	-	-
	25.33333	31.00000	105.16275		0.042958	-1.5459	0.21749	-	-
	26.00000	31.00000	105.16275		-0.0047356	-1.5364	0.21955	-	-
	26.66667	31.00000	105.16275		-0.057485	-1.5087	0.21845	-	-
	27.33333	31.00000	105.16275		-0.086380	-1.4568	0.21335	-	-
	28.00000	31.00000	105.16275		-0.088764	-1.3835	0.20557	-	-
	28.66667	31.00000	105.16275		-0.081633	-1.3052	0.19676	-	-
	29.33333	31.00000	105.16275		-0.077733	-1.2236	0.18645	-	-
	30.00000	31.00000	105.16275		-0.11467	-1.1283	0.17145	-	-
	30.66667	31.00000	105.16275		-0.13913	-1.0154	0.14963	-	-
	31.33333	31.00000	105.16275		-0.18528	-0.95534	0.13585	-	-
	32.00000	31.00000	105.16275		-0.22657	-0.89008	0.12482	-	-
	32.66667	31.00000	105.16275		-0.25549	-0.81069	0.11254	-	-
	33.33333	31.00000	105.16275		-0.27028	-0.71930	0.099870	-	-
	34.00000	31.00000	105.16275		-0.26971	-0.61809	0.087461	-	-
	34.66667	31.00000	105.16275		-0.25309	-0.50926	0.075556	-	-
	35.33333	31.00000	105.16275		-0.22018	-0.39488	0.063783	-	-
	36.00000	31.00000	105.16275		-0.17113	-0.27683	0.050944	-	-
	36.66667	31.00000	105.16275		-0.10640	-0.15676	0.034798	-	-
	37.33333	31.00000	105.16275		-0.026683	-0.036087	0.011855	-	-
	38.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	38.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	39.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	40.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	40.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	41.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	42.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	42.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	43.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	44.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	44.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	45.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	46.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	46.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	47.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	48.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	48.66667	31.00000	105.16275		0.0	0.0	0.0	-	-
	49.33333	31.00000	105.16275		0.0	0.0	0.0	-	-
	50.00000	31.00000	105.16275		0.0	0.0	0.0	-	-
	0.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	0.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	1.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	2.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	2.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	3.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	4.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	4.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	5.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	6.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	6.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	7.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	8.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	8.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	9.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	10.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	10.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	11.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	12.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	12.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	13.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	14.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	14.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	15.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	16.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	16.66667	32.00000	105.16800		0.0071820	-0.018634	0.0059439	-	-
	17.33333	32.00000	105.16800		0.024691	-0.074072	0.016244	-	-
	18.00000	32.00000	105.16800		0.036125	-0.12844	0.024531	-	-
	18.66667	32.00000	105.16800		0.041286	-0.18016	0.031366	-	-
	19.33333	32.00000	105.16800		0.040277	-0.22745	0.037088	-	-
	20.00000	32.00000	105.16800		0.033555	-0.26844	0.041851	-	-
	20.66667	32.00000	105.16800		0.062439	-0.37790	0.064990	-	-
	21.33333	32.00000	105.16800		0.091506	-0.50343	0.084509	-	-
	22.00000	32.00000	105.16800		0.10492	-0.61187	0.098411	-	-
	22.66667	32.00000	105.16800		0.10493	-0.70018	0.10836	-	-
	23.33333	32.00000	105.16800		0.094372	-0.76561	0.11523	-	-
	24.00000	32.00000	105.16800		0.076626	-0.80580	0.11927	-	-
	24.66667	32.00000	105.16800		0.066398	-0.81935	0.11963	-	-
	25.33333	32.00000	105.16800		0.049591	-0.81864	0.11818	-	-
	26.00000	32.00000	105.16800		0.026462	-0.80333	0.11478	-	-
	26.66667	32.00000	105.16800		-576.52E-6	-0.77257	0.10908	-	-
	27.33333	32.00000	105.16800		-0.010370	-0.72777	0.10103	-	-
	28.00000	32.00000	105.16800		0.0	-0.67500	0.087537	-	-
	28.66667	32.00000	105.16800		0.0	-0.67500	0.087537	-	-
	29.33333	32.00000	105.16800		-0.0074965	-0.67468	0.087504	-	-
	30.00000	32.00000	105.16800		-0.044236	-0.66354	0.086332	-	-
	30.66667	32.00000	105.16800		-0.077828	-0.63677	0.083569	-	-
	31.33333	32.00000	105.16800		-0.10580	-0.59511	0.079397	-	-
	32.00000	32.00000	105.16800		-0.12591	-0.53963	0.074033	-	-
	32.66667	32.00000	105.16800		-0.13627	-0.47170	0.067633	-	-
	33.33333	32.00000	105.16800		-0.13533	-0.39288	0.060162	-	-
	34.00000	32.00000	105.16800		-0.12195	-0.30487	0.051252	-	-
	34.66667	32.00000	105.16800		-0.095372	-0.20935	0.040029	-	-
	35.33333	32.00000	105.16800		-0.055200	-0.10800	0.024933	-	-
	36.00000	32.00000	105.16800		-0.0013401	-0.0023648	0.0035295	-	-
	36.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	37.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	38.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	38.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	39.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	40.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	40.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	41.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	42.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	42.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	43.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	44.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	44.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	45.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	46.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	46.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	47.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	48.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	48.66667	32.00000	105.16800		0.0	0.0	0.0	-	-
	49.33333	32.00000	105.16800		0.0	0.0	0.0	-	-
	50.00000	32.00000	105.16800		0.0	0.0	0.0	-	-
	0.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	0.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	1.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	2.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	2.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	3.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	4.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	4.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	5.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	6.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	6.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	7.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	8.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	8.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	9.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	10.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	10.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	11.33333	33.00000	105.17325		0.0	0.0	0.0	-	-
	12.00000	33.00000	105.17325		0.0	0.0	0.0	-	-
	12.66667	33.00000	105.17325		0.0	0.0	0.0	-	-
	13.33333	33.00000	105.17325		0.0	0.0	0.0	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	x Axis
	14.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	14.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	15.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	16.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	16.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	17.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	18.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	18.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	19.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	20.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	20.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	21.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	22.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	22.66667	33.00000	105.17325		0.011479	-0.034436	0.010230	-	-	-
	23.33333	33.00000	105.17325		0.029806	-0.10568	0.023115	-	-	-
	24.00000	33.00000	105.17325		0.038648	-0.16747	0.032393	-	-	-
	24.66667	33.00000	105.17325		0.039237	-0.21860	0.039037	-	-	-
	25.33333	33.00000	105.17325		0.033075	-0.25799	0.043650	-	-	-
	26.00000	33.00000	105.17325		0.021904	-0.28476	0.046580	-	-	-
	26.66667	33.00000	105.17325		0.0076487	-0.29830	0.048008	-	-	-
	27.33333	33.00000	105.17325		0.0	-0.30000	0.048185	-	-	-
	28.00000	33.00000	105.17325		0.0	-0.30000	0.048185	-	-	-
	28.66667	33.00000	105.17325		0.0	-0.30000	0.048185	-	-	-
	29.33333	33.00000	105.17325		-0.0030741	-0.29973	0.048156	-	-	-
	30.00000	33.00000	105.17325		-0.017860	-0.29023	0.047161	-	-	-
	30.66667	33.00000	105.17325		-0.030166	-0.26738	0.044695	-	-	-
	31.33333	33.00000	105.17325		-0.038022	-0.23170	0.040614	-	-	-
	32.00000	33.00000	105.17325		-0.039628	-0.18399	0.034629	-	-	-
	32.66667	33.00000	105.17325		-0.033404	-0.12527	0.026224	-	-	-
	33.33333	33.00000	105.17325		-0.018035	-0.056723	0.014551	-	-	-
	34.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	34.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	35.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	36.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	36.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	37.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	38.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	38.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	39.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	40.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	40.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	41.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	42.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	42.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	43.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	44.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	44.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	45.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	46.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	46.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	47.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	48.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	48.66667	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	49.33333	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	50.00000	33.00000	105.17325		0.0	0.0	0.0	-	-	-
	0.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	0.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	1.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	2.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	2.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	3.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	4.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	4.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	5.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	6.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	6.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	7.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	8.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	8.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	9.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	10.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	10.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	11.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	12.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	12.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	13.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	14.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	14.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	15.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	16.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	16.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	17.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	18.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	18.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	19.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	20.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	20.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	21.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	22.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	22.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	23.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	24.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	24.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	25.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	26.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	26.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	27.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	28.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	28.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	29.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	30.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	30.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	31.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	32.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	32.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	33.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	34.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	34.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	35.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	36.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	36.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	37.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	38.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	38.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	39.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	40.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	40.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	41.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	42.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	42.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	43.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	44.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	44.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	45.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	46.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	46.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	47.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	48.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	48.66667	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	49.33333	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	50.00000	34.00000	105.17850		0.0	0.0	0.0	-	-	-
	0.00000	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	0.66667	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	1.33333	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	2.00000	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	2.66667	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	3.33333	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	4.00000	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	4.66667	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	5.33333	35.00000	105.18375		0.0	0.0	0.0	-	-	-
	6.00000	35.00000	105.18375		0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	6.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	7.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	8.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	8.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	9.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	10.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	10.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	11.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	12.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	12.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	13.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	14.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	14.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	15.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	16.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	16.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	17.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	18.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	18.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	19.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	20.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	20.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	21.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	22.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	22.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	23.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	24.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	24.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	25.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	26.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	26.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	27.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	28.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	28.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	29.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	30.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	30.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	31.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	32.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	32.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	33.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	34.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	34.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	35.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	36.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	36.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	37.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	38.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	38.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	39.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	40.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	40.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	41.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	42.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	42.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	43.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	44.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	44.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	45.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	46.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	46.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	47.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	48.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	48.66667	35.00000	105.18375		0.0	0.0	0.0	-	-
	49.33333	35.00000	105.18375		0.0	0.0	0.0	-	-
	50.00000	35.00000	105.18375		0.0	0.0	0.0	-	-
	0.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	0.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	1.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	2.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	2.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	3.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	4.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	4.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	5.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	6.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	6.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	7.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	8.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	8.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	9.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	10.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	10.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	11.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	12.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	12.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	13.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	14.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	14.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	15.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	16.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	16.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	17.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	18.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	18.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	19.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	20.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	20.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	21.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	22.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	22.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	23.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	24.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	24.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	25.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	26.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	26.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	27.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	28.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	28.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	29.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	30.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	30.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	31.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	32.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	32.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	33.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	34.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	34.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	35.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	36.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	36.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	37.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	38.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	38.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	39.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	40.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	40.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	41.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	42.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	42.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	43.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	44.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	44.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	45.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	46.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	46.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	47.33333	36.00000	105.18900		0.0	0.0	0.0	-	-
	48.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	48.66667	36.00000	105.18900		0.0	0.0	0.0	-	-
	49.33333	36.00000	105.18900		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	50.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	0.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	1.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	3.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	4.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	4.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	5.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	6.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	6.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	7.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	8.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	8.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	9.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	10.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	10.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	11.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	12.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	12.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	13.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	14.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	14.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	15.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	16.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	16.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	17.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	18.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	18.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	19.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	20.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	20.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	21.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	22.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	22.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	23.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	24.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	24.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	25.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	26.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	26.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	27.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	28.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	28.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	29.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	31.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	33.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	35.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	37.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	39.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	41.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	43.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	45.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	47.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	49.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	50.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	0.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	1.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	3.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	5.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	6.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	6.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	7.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	8.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	8.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	9.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	10.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	10.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	11.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	12.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	12.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	13.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	14.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	14.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	15.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	16.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	16.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	17.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	18.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	18.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	19.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	20.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	20.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	21.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	22.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	22.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	23.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	25.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	27.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	29.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	31.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	33.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	35.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	37.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	39.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	41.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	42.00000	38.00000	105.19950		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	42.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	43.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	44.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	44.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	45.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	46.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	46.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	47.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	48.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	48.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	49.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	50.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	0.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	0.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	1.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	2.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	2.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	3.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	4.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	4.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	5.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	6.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	6.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	7.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	8.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	8.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	9.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	10.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	10.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	11.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	12.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	12.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	13.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	14.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	14.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	15.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	16.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	16.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	17.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	18.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	18.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	19.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	20.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	20.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	21.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	22.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	22.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	23.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	24.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	24.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	25.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	26.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	26.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	27.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	28.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	28.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	29.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	30.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	30.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	31.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	32.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	32.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	33.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	34.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	34.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	35.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	36.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	36.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	37.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	38.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	38.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	39.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	40.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	40.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	41.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	42.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	42.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	43.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	44.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	44.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	45.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	46.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	46.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	47.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	48.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	48.66667	39.00000	105.20475		0.0	0.0	0.0	-	-
	49.33333	39.00000	105.20475		0.0	0.0	0.0	-	-
	50.00000	39.00000	105.20475		0.0	0.0	0.0	-	-
	0.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	0.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	1.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	2.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	2.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	3.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	4.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	4.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	5.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	6.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	6.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	7.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	8.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	8.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	9.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	10.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	10.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	11.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	12.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	12.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	13.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	14.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	14.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	15.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	16.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	16.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	17.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	18.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	18.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	19.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	20.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	20.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	21.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	22.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	22.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	23.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	24.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	24.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	25.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	26.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	26.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	27.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	28.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	28.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	29.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	30.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	30.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	31.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	32.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	32.66667	40.00000	105.21000		0.0	0.0	0.0	-	-
	33.33333	40.00000	105.21000		0.0	0.0	0.0	-	-
	34.00000	40.00000	105.21000		0.0	0.0	0.0	-	-
	34.66667	40.00000	105.21000		0.0	0.0	0.0	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to Line	to x Axis
	35.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	37.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	39.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	41.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	43.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	45.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	47.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	48.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	48.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	49.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	50.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
Christchurch Line 1	24.60000	10.40000	103.13000		Point lies within an excavation.				
A									
	1.0000	25.60000	10.40000	103.13000		Point lies within an excavation.			
	2.0000	26.60000	10.40000	103.13000		Point lies within an excavation.			
	3.0000	27.60000	10.40000	103.13000		Point lies within an excavation.			
	4.0000	28.60000	10.40000	103.13000		Point lies within an excavation.			
Christchurch Line 2	28.60000	10.40000	102.31000		Point lies within an excavation.				
B									
	1.2000	28.60000	9.20000	102.31000	0.0	7.0866	3.2226	-7.0866	0.0	270.00
	2.4000	28.60000	8.00000	102.31000	-0.67946	6.3410	4.4083	-6.3410	-0.67946	270.00
Christchurch Line 3	28.60000	8.00000	102.31000	-0.67946	6.3410	4.4083	-0.67946	6.3410	0.0	
C									
	0.90000	29.50000	8.00000	102.31000	-1.9240	5.8451	3.9414	-1.9240	5.8451	0.0
	1.8000	30.40000	8.00000	102.31000	-4.4125	4.1273	3.7556	-4.4125	4.1273	0.0
	2.7000	31.30000	8.00000	102.31000	-4.8834	2.6824	3.4382	-4.8834	2.6824	0.0
	3.6000	32.20000	8.00000	102.31000	-4.6548	1.8107	3.0158	-4.6548	1.8107	0.0
Christchurch Line 4	32.20000	8.00000	102.31000	-4.6548	1.8107	3.0158	1.8107	4.6548	90.000	
D									
	1.2000	32.20000	9.20000	102.31000	-5.0400	0.0	2.8785	0.0	5.0400	90.000
	2.4000	32.20000	10.40000	102.31000	-5.0400	0.0	2.8785	0.0	5.0400	90.000
Christchurch Line 5	32.30000	10.40000	102.31000	-4.9692	0.0	2.8350	-4.9692	0.0	0.0	
E									
	1.0000	33.30000	10.40000	102.31000	-4.2608	0.0	2.3875	-4.2608	0.0	0.0
	2.0000	34.30000	10.40000	102.31000	-3.5525	0.0	1.9418	-3.5525	0.0	0.0
	3.0000	35.30000	10.40000	102.31000	-2.8875	0.0	1.4943	-2.8875	0.0	0.0
	4.0000	36.30000	10.40000	102.31000	-2.5125	0.0	1.0951	-2.5125	0.0	0.0
Christchurch Line 6	36.30000	10.40000	102.31000	-2.5125	0.0	1.0951	-0.13205	2.5090	86.987	
F									
	1.0570	36.35556	11.45556	102.31000	-2.4917	0.0	1.0740	-0.13096	2.4882	86.987
	2.1140	36.41111	12.51111	102.31000	-2.4708	0.0	1.0530	-0.12986	2.4674	86.987
	3.1710	36.46667	13.56667	102.31000	-2.4500	0.0	1.0322	-0.12877	2.4466	86.987
	4.2281	36.52222	14.62222	102.31000	-2.4292	0.0	1.0115	-0.12767	2.4258	86.987
	5.2851	36.57778	15.67778	102.31000	-2.4083	0.0	0.99102	-0.12658	2.4050	86.987
	6.3421	36.63333	16.73333	102.31000	-2.3875	0.0	0.97070	-0.12548	2.3842	86.987
	7.3991	36.68889	17.78889	102.31000	-2.3667	0.0	0.95056	-0.12439	2.3634	86.987
	8.4561	36.74444	18.84444	102.31000	-2.3605	-296.77E-6	0.93251	-0.12436	2.3572	86.987
	9.5131	36.80000	19.90000	102.31000	-2.3764	-0.0055276	0.91763	-0.13042	2.3729	86.987
Christchurch Line 7	36.80000	19.90000	102.31000	-2.3764	-0.0055276	0.91763	2.3764	0.0055276	180.00	
G									
	1.1000	35.70000	19.90000	102.31000	-2.8311	-0.011059	1.3449	2.8311	0.011059	180.00
	2.2000	34.60000	19.90000	102.31000	-3.4841	-0.018918	1.8370	3.4841	0.018918	180.00
Christchurch Line 8	34.60000	19.90000	102.31000	-3.4841	-0.018918	1.8370	-0.018918	3.4841	90.000	
H									
	0.56667	34.60000	20.46667	102.31000	-3.5079	-0.32302	1.8373	-0.32302	3.5079	90.000
	1.1333	34.60000	21.03333	102.31000	-3.4500	-0.67312	1.8096	-0.67312	3.4500	90.000
	1.7000	34.60000	21.60000	102.31000	-3.3167	-0.98457	1.7539	-0.98457	3.3167	90.000
Christchurch Line 9	34.60000	21.60000	102.31000	-3.3167	-0.98457	1.7539	3.3167	0.98457	180.00	
I									
	1.0000	33.60000	21.60000	102.31000	-3.9952	-1.4428	2.2227	3.9952	1.4428	180.00
	2.0000	32.60000	21.60000	102.31000	-4.5786	-2.1089	2.7123	4.5786	2.1089	180.00
	3.0000	31.60000	21.60000	102.31000	-4.9149	-3.1251	3.2120	4.9149	3.1251	180.00
Christchurch Line 10	31.60000	21.60000	102.31000	-4.9149	-3.1251	3.2120	1.6979	5.5713	139.40	
J									
	1.2293	30.66667	22.40000	102.31000	-3.5814	-4.9768	3.4177	-0.51968	6.1094	139.40
	2.4585	29.73333	23.20000	102.31000	-1.8442	-5.7550	3.4222	-2.3451	5.5697	139.40
	3.6878	28.80000	24.00000	102.31000	-1.0672	-5.7372	3.2500	-2.9235	5.0506	139.40
Christchurch Line 11	28.80000	24.00000	102.31000	-1.0672	-5.7372	3.2500	-3.6276	-4.5712	27.897	
K									
	0.96177	29.65000	24.45000	102.31000	-1.3422	-5.0875	2.7824	-3.5666	-3.8683	27.897
	1.9235	30.50000	24.90000	102.31000	-1.7176	-4.3247	2.3180	-3.5415	-3.0185	27.897
Christchurch Line 12	30.50000	24.90000	102.31000	-1.7176	-4.3247	2.3180	-2.9273	3.6173	119.36	
L									
	0.91788	30.05000	25.70000	102.31000	-1.2005	-4.0388	1.9899	-2.9316	3.0264	119.36
	1.8358	29.60000	26.50000	102.31000	-0.82500	-3.7872	1.6336	-2.8964	2.5758	119.36
Christchurch Line 13	29.60000	26.50000	102.31000	-0.82500	-3.7872	1.6336	3.3034	2.0276	226.17	
M									
	1.7328	28.40000	25.25000	102.31000	-0.87162	-5.0128	2.5759	4.2198	2.8428	226.17
	3.4655	27.20000	24.00000	102.31000	-1.0233	-6.5419	3.7181	5.4279	3.7923	226.17
Christchurch Line 14	27.20000	24.00000	102.31000	-1.0233	-6.5419	3.7181	5.6940	-3.3797	291.80	
N									
	1.0770	27.60000	23.00000	102.31000	-1.3569	-7.0987	4.2193	6.0870	-3.8962	291.80
	2.1541	28.00000	22.00000	102.31000	-1.5474	-7.3426	4.4938	6.2428	-4.1637	291.80
	3.2311	28.40000	21.00000	102.31000	-1.4292	-7.3837	4.4279	6.3248	-4.0692	291.80
	4.3081	28.80000	20.00000	102.31000	-0.94715	-7.4884	3.8925	6.6011	-3.6605	291.80
Christchurch Line 15	28.80000	20.00000	103.13000	-0.94715	-7.4884	3.8925	0.94715	7.4884	180.00	
O									
	0.90000	27.90000	20.00000	103.13000	-1.3077	-7.7371	4.1443	1.3077	7.7371	180.00
	1.8000	27.00000	20.00000	103.13000	1.9247	-7.2164	4.5409	-1.9247	7.2164	180.00
Christchurch Line 16	27.00000	20.00000	103.13000	1.9247	-7.2164	4.5409	2.1081	7.1650	211.33	
P									
	1.3463	25.85000	19.30000	103.13000	-2.1274	-1.2949	1.3779	2.4905	0.0	211.33
	2.6926	24.70000	18.60000	103.13000	-1.3615	-7.0345	3.3346	4.8205	5.3009	211.33
Christchurch Line 17	24.70000	18.60000	103.13000	-1.3615	-7.0345	3.3346	7.0505	-1.2756	269.30	
Q									
	1.0251	24.68750	17.57500	103.13000		Point lies within an excavation.			
	2.0502	24.67500	16.55000	103.13000		Point lies within an excavation.			
	3.0752	24.66250	15.52500	103.13000		Point lies within an excavation.			
	4.1003	24.65000	14.50000	103.13000		Point lies within an excavation.			
	5.1254	24.63750	13.47500	103.13000		Point lies within an excavation.			
	6.1505	24.62500	12.45000	103.13000		Point lies within an excavation.			
	7.1755	24.61250	11.42500	103.13000		Point lies within an excavation.			
	8.2006	24.60000	10.40000	103.13000		Point lies within an excavation.			
Well Road A	Line 18	16.70000	21.90000	104.00000	1.2512	-0.59664	0.57324	1.3411	-0.35067	349.16
	0.95708	17.64000	21.72000	104.00000	1.6349	-0.87808	0.87194	1.7708	-0.55494	349.16
	1.9142	18.58000	21.54000	104.00000	2.0983	-1.3248	1.2917	2.3100	-0.90651	349.16
	2.8712	19.52000	21.36000	104.00000	2.6413	-2.1086	1.8958	2.9907	-1.5742	349.16
	3.8283	20.46000	21.18000	104.00000	3.1724	-3.6493	2.8031	3.8021	-2.9875	349.16
	4.7854	21.40000	21.00000	104.00000	2.6349	-6.2682	4.1551	3.7667	-5.6608	349.16
Well Road B	Line 19	21.40000	21.00000	102.50000	2.6349	-6.2682	4.1551	3.8130	-5.6297	348.69
	1.0198	22.40000	20.80000	102.50000	1.5056	-8.3570	5.4291	3.1153	-7.8994	348.69
	2.0396	23.40000	20.60000	102.50000	1.7664	-10.297	6.3916	3.7516	-9.7511	348.69
Well Road C	Line 20	23.40000	20.60000	102.50000	1.7664	-10.297	6.3916	-9.9215	-3.2744	81.469
	1.0112	23.55000	21.60000	102.50000	1.5669	-9.3462	5.8028	-9.0103	-2.9360	81.469
	2.0224	23.70000	22.60000	102.50000	1.4170	-8.1740	5.0120	-7.8733	-2.6139	81.469
	3.0336	23.85000	23.60000	102.50000	1.2671	-7.0017	4.2116	-6.7363	-2.2918	81.469
	4.0447	24.00000	24.60000	102.50000	1.1173	-5.8295	3.4150	-5.5993	-1.9696	81.469
Well Road D	Line 21	24.00000	24.60000	102.50000	1.1173	-5.8295	3.4150	2.1724	-5.5238	349.38
	1.0853	25.06667	24.40000	102.50000	0.92717	-6.4690	3.7158	2.1035	-6.1874	349.38
	2.1705	26.13333	24.20000	102.50000	0.10527	-6.8897	3.8690	1.3732	-6.7523	349.38
	3.2558	27.20000	24.00000	102.50000	-1.0233	-6.5419	3.7181	0.19986	-6.6184	349.38
Well Road E	Line 22	27.20000	24.00000	102.50000	-1.0233	-6.5419	3.7181	-5.4279	-3.7923	46.169
	1.7328	28.40000	25.25000	102.50000	-0.87162	-5.0128	2.5759	-4.2198	-2.8428	46.169
	3.4655	29.60000	26.50000	102.50000	-0.82500	-3.7872	1.6336	-3.3034	-2.0276	46.169
Well Road F	Line 23	29.60000	26.50000	102.50000	-0.82500	-3.7872	1.6336	-3.0184	2.4316	116.57
	1.1180	29.10000	27.50000	102.50000	-0.51944	-3.4132	1.1823	-2.8205	1.9910	116.57
	2.2361	28.60000	28.50000	102.50000	-0.37676	-2.9439	0.78564	-2.4646	1.6535	116.57
Well Road G	Line 24	28.60000	28.50000	102.50000	-0.37676	-2.9439	0.78564	2.1741	2.0204	219.81
	0.39051	28.30000	28.25000	102.50000	-0.40406	-3.1644	0.90131	2.3362	2.1723	219.81

Type/No.		Coordinates			Displacements			Angle of Line
Name	Dist.	x	y	z	x	y	z	Along the Line / Perpendicular to Line / x Axis
	0.78102	28.00000	28.00000	102.50000	-0.42648	-3.3898	1.0305	2.4977	2.3311	219.81
Well Road H	Line 25	28.00000	28.00000	102.50000	-0.42648	-3.3898	1.0305	0.062924	3.4160	173.88
	0.93868	27.06667	28.10000	102.50000	-0.34963	-3.5409	1.0463	-0.029589	3.5580	173.88
	1.8774	26.13333	28.20000	102.50000	-0.073419	-3.5818	1.0298	-0.30858	3.5692	173.88
	2.8160	25.20000	28.30000	102.50000	0.12381	-3.4845	0.97101	-0.49432	3.4515	173.88
	3.7547	24.26667	28.40000	102.50000	0.27266	-3.3398	0.89282	-0.62690	3.2917	173.88
	4.6934	23.33333	28.50000	102.50000	0.37788	-3.1572	0.80398	-0.71208	3.0989	173.88
	5.6321	22.40000	28.60000	102.50000	0.58626	-2.8604	0.68343	-0.88764	2.7816	173.88
Well Road I	Line 26	22.40000	28.60000	104.00000	0.58626	-2.8604	0.68343	-0.86123	2.7899	174.43
	1.0299	21.37500	28.70000	104.00000	0.70446	-2.4961	0.54797	-0.94350	2.4159	174.43
	2.0597	20.35000	28.80000	104.00000	0.71005	-2.1273	0.42433	-0.91325	2.0483	174.43
	3.0896	19.32500	28.90000	104.00000	0.67161	-1.7357	0.31896	-0.83698	1.6623	174.43
	4.1195	18.30000	29.00000	104.00000	0.59011	-1.3347	0.23232	-0.71692	1.2710	174.43
Well Road J	Line 27	18.30000	29.00000	104.00000	0.59011	-1.3347	0.23232	1.1723	0.86909	257.30
	0.90976	18.10000	28.11250	104.00000	0.81984	-1.5937	0.33329	1.3745	1.1501	257.30
	1.8195	17.90000	27.22500	104.00000	1.0493	-1.7572	0.45686	1.4835	1.4099	257.30
	2.7293	17.70000	26.33750	104.00000	1.2644	-1.8145	0.58873	1.4921	1.6323	257.30
	3.6390	17.50000	25.45000	104.00000	1.4449	-1.7577	0.70583	1.3970	1.7959	257.30
	4.5488	17.30000	24.56250	104.00000	1.5639	-1.5855	0.78156	1.2029	1.8742	257.30
	5.4585	17.10000	23.67500	104.00000	1.5884	-1.3087	0.79181	0.92745	1.8372	257.30
	6.3683	16.90000	22.78750	104.00000	1.4890	-0.96052	0.72246	0.60967	1.6638	257.30
	7.2780	16.70000	21.90000	104.00000	1.2512	-0.59664	0.57324	0.30698	1.3518	257.30

Specific Building Damage Results - Horizontal Displacements

Structure: Christchurch A | Sub-structure: Sub 1

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Along the Line / Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
1.0000	25.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
2.0000	26.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
3.0000	27.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
4.0000	28.60000	10.40000	103.13000	0.0	0.0	0.0	0.0

Structure: Christchurch B | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.60000	10.40000	102.31000	0.0	0.0	0.0	0.0
1.2000	28.60000	9.20000	102.31000	0.0	7.0866	-7.0866	0.0
2.4000	28.60000	8.00000	102.31000	-0.67946	6.3410	-6.3410	-0.67946

Structure: Christchurch C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.60000	8.00000	102.31000	-0.67946	6.3410	-0.67946	6.3410
0.90000	29.50000	8.00000	102.31000	-1.9240	5.8451	-1.9240	5.8451
1.8000	30.40000	8.00000	102.31000	-4.4125	4.1273	-4.4125	4.1273
2.7000	31.30000	8.00000	102.31000	-4.8834	2.6824	-4.8834	2.6824
3.6000	32.20000	8.00000	102.31000	-4.6548	1.8107	-4.6548	1.8107

Structure: Christchurch D | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.20000	8.00000	102.31000	-4.6548	1.8107	1.8107	4.6548
1.2000	32.20000	9.20000	102.31000	-5.0400	0.0	0.0	5.0400
2.4000	32.20000	10.40000	102.31000	-5.0400	0.0	0.0	5.0400

Structure: Christchurch E | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.30000	10.40000	102.31000	-4.9692	0.0	-4.9692	0.0
1.0000	33.30000	10.40000	102.31000	-4.2608	0.0	-4.2608	0.0
2.0000	34.30000	10.40000	102.31000	-3.5525	0.0	-3.5525	0.0
3.0000	35.30000	10.40000	102.31000	-2.8875	0.0	-2.8875	0.0
4.0000	36.30000	10.40000	102.31000	-2.5125	0.0	-2.5125	0.0

Structure: Christchurch F | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.30000	10.40000	102.31000	-2.5125	0.0	-0.13205	2.5090
1.0570	36.35556	11.45556	102.31000	-2.4917	0.0	-0.13096	2.4882
2.1140	36.41111	12.51111	102.31000	-2.4708	0.0	-0.12986	2.4674
3.1710	36.46667	13.56667	102.31000	-2.4500	0.0	-0.12877	2.4466
4.2281	36.52222	14.62222	102.31000	-2.4292	0.0	-0.12767	2.4258
5.2851	36.57778	15.67778	102.31000	-2.4083	0.0	-0.12658	2.4050
6.3421	36.63333	16.73333	102.31000	-2.3875	0.0	-0.12548	2.3842
7.3991	36.68889	17.78889	102.31000	-2.3667	0.0	-0.12439	2.3634
8.4561	36.74444	18.84444	102.31000	-2.3605	-296.77E-6	-0.12436	2.3572
9.5131	36.80000	19.90000	102.31000	-2.3764	-0.0055276	-0.13042	2.3729

Structure: Christchurch G | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.80000	19.90000	102.31000	-2.3764	-0.0055276	2.3764	0.0055276
1.1000	35.70000	19.90000	102.31000	-2.8311	-0.011059	2.8311	0.011059
2.2000	34.60000	19.90000	102.31000	-3.4841	-0.018918	3.4841	0.018918

Structure: Christchurch H | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.60000	19.90000	102.31000	-3.4841	-0.018918	-0.018918	3.4841
0.56667	34.60000	20.46667	102.31000	-3.5079	-0.32302	-0.32302	3.5079
1.1333	34.60000	21.03333	102.31000	-3.4500	-0.67312	-0.67312	3.4500
1.7000	34.60000	21.60000	102.31000	-3.3167	-0.98457	-0.98457	3.3167

Structure: Christchurch I | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Along Perpendicular

							the Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	34.60000	21.60000	102.31000	-3.3167	-0.98457	3.3167		0.98457
1.0000	33.60000	21.60000	102.31000	-3.9952	-1.4428	3.9952		1.4428
2.0000	32.60000	21.60000	102.31000	-4.5786	-2.1089	4.5786		2.1089
3.0000	31.60000	21.60000	102.31000	-4.9149	-3.1251	4.9149		3.1251

Structure: Christchurch J | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	31.60000	21.60000	102.31000	-4.9149	-3.1251	1.6979	5.5713	
1.2293	30.66667	22.40000	102.31000	-3.5814	-4.9768	-0.51968	6.1094	
2.4585	29.73333	23.20000	102.31000	-1.8442	-5.7550	-2.3451	5.5697	
3.6878	28.80000	24.00000	102.31000	-1.0672	-5.7372	-2.9235	5.0506	

Structure: Christchurch K | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	28.80000	24.00000	102.31000	-1.0672	-5.7372	-3.6276	-4.5712	
0.96177	29.65000	24.45000	102.31000	-1.3422	-5.0875	-3.5666	-3.8683	
1.9235	30.50000	24.90000	102.31000	-1.7176	-4.3247	-3.5415	-3.0185	

Structure: Christchurch L | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	30.50000	24.90000	102.31000	-1.7176	-4.3247	-2.9273	3.6173	
0.91788	30.05000	25.70000	102.31000	-1.2005	-4.0388	-2.9316	3.0264	
1.8358	29.60000	26.50000	102.31000	-0.82500	-3.7872	-2.8964	2.5758	

Structure: Christchurch M | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	29.60000	26.50000	102.31000	-0.82500	-3.7872	3.3034	2.0276	
1.7328	28.40000	25.25000	102.31000	-0.87162	-5.0128	4.2198	2.8428	
3.4655	27.20000	24.00000	102.31000	-1.0233	-6.5419	5.4279	3.7923	

Structure: Christchurch N | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	27.20000	24.00000	102.31000	-1.0233	-6.5419	5.6940	-3.3797	
1.0770	27.60000	23.00000	102.31000	-1.3569	-7.0987	6.0870	-3.8962	
2.1541	28.00000	22.00000	102.31000	-1.5474	-7.3426	6.2428	-4.1637	
3.2311	28.40000	21.00000	102.31000	-1.4292	-7.3837	6.3248	-4.0692	
4.3081	28.80000	20.00000	102.31000	-0.94715	-7.4884	6.6011	-3.6605	

Structure: Christchurch O | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	28.80000	20.00000	103.13000	-0.94715	-7.4884	0.94715	7.4884	
0.90000	27.90000	20.00000	103.13000	-1.3077	-7.7371	1.3077	7.7371	
1.8000	27.00000	20.00000	103.13000	1.9247	-7.2164	-1.9247	7.2164	

Structure: Christchurch P | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	27.00000	20.00000	103.13000	1.9247	-7.2164	2.1081	7.1650	
1.3463	25.85000	19.30000	103.13000	-2.1274	-1.2949	2.4905	0.0	
2.6926	24.70000	18.60000	103.13000	-1.3615	-7.0345	4.8205	5.3009	

Structure: Christchurch Q | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.70000	18.60000	103.13000	-1.3615	-7.0345	7.0505	-1.2756	
1.0251	24.68750	17.57500	103.13000	0.0	0.0	0.0	0.0	
2.0502	24.67500	16.55000	103.13000	0.0	0.0	0.0	0.0	
3.0752	24.66250	15.52500	103.13000	0.0	0.0	0.0	0.0	
4.1003	24.65000	14.50000	103.13000	0.0	0.0	0.0	0.0	
5.1254	24.63750	13.47500	103.13000	0.0	0.0	0.0	0.0	
6.1505	24.62500	12.45000	103.13000	0.0	0.0	0.0	0.0	
7.1755	24.61250	11.42500	103.13000	0.0	0.0	0.0	0.0	
8.2006	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	

Structure: Well Road A | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	16.70000	21.90000	104.00000	1.2512	-0.59664	1.3411	-0.35067	
0.95708	17.64000	21.72000	104.00000	1.6349	-0.87808	1.7708	-0.55494	
1.9142	18.58000	21.54000	104.00000	2.0983	-1.3248	2.3100	-0.90651	
2.8712	19.52000	21.36000	104.00000	2.6413	-2.1086	2.9907	-1.5742	
3.8283	20.46000	21.18000	104.00000	3.1724	-3.6493	3.8021	-2.9875	
4.7854	21.40000	21.00000	104.00000	2.6349	-6.2682	3.7667	-5.6608	

Structure: Well Road B | Sub-structure:

Dist.	Coordinates			Displacements				
	x	y	z	x	y	Along the Line	Perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	21.40000	21.00000	102.50000	2.6349	-6.2682	3.8130	-5.6297	
1.0198	22.40000	20.80000	102.50000	1.5056	-8.3570	3.1153	-7.8994	
2.0396	23.40000	20.60000	102.50000	1.7664	-10.297	3.7516	-9.7511	

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.40000	20.60000	102.50000	1.7664	-10.297	-9.9215	-3.2744
1.0112	23.55000	21.60000	102.50000	1.5669	-9.3462	-9.0103	-2.9360
2.0224	23.70000	22.60000	102.50000	1.4170	-8.1740	-7.8733	-2.6139
3.0336	23.85000	23.60000	102.50000	1.2671	-7.0017	-6.7363	-2.2918
4.0447	24.00000	24.60000	102.50000	1.1173	-5.8295	-5.5993	-1.9696

Structure: Well Road C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.40000	20.60000	102.50000	1.7664	-10.297	-9.9215	-3.2744
1.0112	23.55000	21.60000	102.50000	1.5669	-9.3462	-9.0103	-2.9360
2.0224	23.70000	22.60000	102.50000	1.4170	-8.1740	-7.8733	-2.6139
3.0336	23.85000	23.60000	102.50000	1.2671	-7.0017	-6.7363	-2.2918
4.0447	24.00000	24.60000	102.50000	1.1173	-5.8295	-5.5993	-1.9696

Structure: Well Road D | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.00000	24.60000	102.50000	1.1173	-5.8295	2.1724	-5.5238
1.0853	25.06667	24.40000	102.50000	0.92717	-6.4690	2.1035	-6.1874
2.1705	26.13333	24.20000	102.50000	0.10527	-6.8897	1.3732	-6.7523
3.2558	27.20000	24.00000	102.50000	-1.0233	-6.5419	0.19986	-6.6184

Structure: Well Road E | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.20000	24.00000	102.50000	-1.0233	-6.5419	-5.4279	-3.7923
1.7328	28.40000	25.25000	102.50000	-0.87162	-5.0128	-4.2198	-2.8428
3.4655	29.60000	26.50000	102.50000	-0.82500	-3.7872	-3.3034	-2.0276

Structure: Well Road F | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.60000	26.50000	102.50000	-0.82500	-3.7872	-3.0184	2.4316
1.1180	29.10000	27.50000	102.50000	-0.51944	-3.4132	-2.8205	1.9910
2.2361	28.60000	28.50000	102.50000	-0.37676	-2.9439	-2.4646	1.6535

Structure: Well Road G | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.60000	28.50000	102.50000	-0.37676	-2.9439	2.1741	2.0204
0.39051	28.30000	28.25000	102.50000	-0.40406	-3.1644	2.3362	2.1723
0.78102	28.00000	28.00000	102.50000	-0.42648	-3.3898	2.4977	2.3311

Structure: Well Road H | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.00000	28.00000	102.50000	-0.42648	-3.3898	0.062924	3.4160
0.93868	27.06667	28.10000	102.50000	-0.34963	-3.5409	-0.029589	3.5580
1.8774	26.13333	28.20000	102.50000	-0.073419	-3.5818	-0.30858	3.5692
2.8160	25.20000	28.30000	102.50000	0.12381	-3.4845	-0.49432	3.4515
3.7547	24.26667	28.40000	102.50000	0.27266	-3.3398	-0.62690	3.2917
4.6934	23.33333	28.50000	102.50000	0.37788	-3.1572	-0.71208	3.0989
5.6321	22.40000	28.60000	102.50000	0.58626	-2.8604	-0.88764	2.7816

Structure: Well Road I | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	22.40000	28.60000	104.00000	0.58626	-2.8604	-0.86123	2.7899
1.0299	21.37500	28.70000	104.00000	0.70446	-2.4961	-0.94350	2.4159
2.0597	20.35000	28.80000	104.00000	0.71005	-2.1273	-0.91325	2.0483
3.0896	19.32500	28.90000	104.00000	0.67161	-1.7357	-0.83698	1.6623
4.1195	18.30000	29.00000	104.00000	0.59011	-1.3347	-0.71692	1.2710

Structure: Well Road J | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	18.30000	29.00000	104.00000	0.59011	-1.3347	1.1723	0.86909
0.90976	18.10000	28.11250	104.00000	0.81984	-1.5937	1.3745	1.1501
1.8195	17.90000	27.22500	104.00000	1.0493	-1.7572	1.4835	1.4099
2.7293	17.70000	26.33750	104.00000	1.2644	-1.8145	1.4921	1.6323
3.6390	17.50000	25.45000	104.00000	1.4449	-1.7577	1.3970	1.7959
4.5488	17.30000	24.56250	104.00000	1.5639	-1.5855	1.2029	1.8742
5.4585	17.10000	23.67500	104.00000	1.5884	-1.3087	0.92745	1.8372
6.3683	16.90000	22.78750	104.00000	1.4890	-0.96052	0.60967	1.6638
7.2780	16.70000	21.90000	104.00000	1.2512	-0.59664	0.30698	1.3518

Specific Building Damage Results - Vertical Displacements

Structure: Christchurch A | Sub-structure: Sub 1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.60000	10.40000	103.13000	0.0
1.0000	25.60000	10.40000	103.13000	0.0
2.0000	26.60000	10.40000	103.13000	0.0
3.0000	27.60000	10.40000	103.13000	0.0
4.0000	28.60000	10.40000	103.13000	0.0

Structure: Christchurch B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.60000	10.40000	102.31000	0.0
1.2000	28.60000	9.20000	102.31000	3.2226
2.4000	28.60000	8.00000	102.31000	4.4083

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Structure: Christchurch C | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.60000	8.00000	102.31000	4.4083
0.90000	29.50000	8.00000	102.31000	3.9414
1.8000	30.40000	8.00000	102.31000	3.7556
2.7000	31.30000	8.00000	102.31000	3.4382
3.6000	32.20000	8.00000	102.31000	3.0158

Structure: Christchurch D | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.20000	8.00000	102.31000	3.0158
1.2000	32.20000	9.20000	102.31000	2.8785
2.4000	32.20000	10.40000	102.31000	2.8785

Structure: Christchurch E | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.30000	10.40000	102.31000	2.8350
1.0000	33.30000	10.40000	102.31000	2.3875
2.0000	34.30000	10.40000	102.31000	1.9418
3.0000	35.30000	10.40000	102.31000	1.4943
4.0000	36.30000	10.40000	102.31000	1.0951

Structure: Christchurch F | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.30000	10.40000	102.31000	1.0951
1.0570	36.35556	11.45556	102.31000	1.0740
2.1140	36.41111	12.51111	102.31000	1.0530
3.1710	36.46667	13.56667	102.31000	1.0322
4.2281	36.52222	14.62222	102.31000	1.0115
5.2851	36.57778	15.67778	102.31000	0.99102
6.3421	36.63333	16.73333	102.31000	0.97070
7.3991	36.68889	17.78889	102.31000	0.95056
8.4561	36.74444	18.84444	102.31000	0.93251
9.5131	36.80000	19.90000	102.31000	0.91763

Structure: Christchurch G | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.80000	19.90000	102.31000	0.91763
1.1000	35.70000	19.90000	102.31000	1.3449
2.2000	34.60000	19.90000	102.31000	1.8370

Structure: Christchurch H | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.60000	19.90000	102.31000	1.8370
0.56667	34.60000	20.46667	102.31000	1.8373
1.1333	34.60000	21.03333	102.31000	1.8096
1.7000	34.60000	21.60000	102.31000	1.7539

Structure: Christchurch I | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.60000	21.60000	102.31000	1.7539
1.0000	33.60000	21.60000	102.31000	2.2227
2.0000	32.60000	21.60000	102.31000	2.7123
3.0000	31.60000	21.60000	102.31000	3.2120

Structure: Christchurch J | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	31.60000	21.60000	102.31000	3.2120
1.2293	30.66667	22.40000	102.31000	3.4177
2.4585	29.73333	23.20000	102.31000	3.4222
3.6878	28.80000	24.00000	102.31000	3.2500

Structure: Christchurch K | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.80000	24.00000	102.31000	3.2500
0.96177	29.65000	24.45000	102.31000	2.7824
1.9235	30.50000	24.90000	102.31000	2.3180

Structure: Christchurch L | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	30.50000	24.90000	102.31000	2.3180
0.91788	30.05000	25.70000	102.31000	1.9899
1.8358	29.60000	26.50000	102.31000	1.6336

Structure: Christchurch M | Sub-structure:

Dist.	Coordinates	Displacements

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	29.60000	26.50000	102.31000 1.6336
1.7328	28.40000	25.25000	102.31000 2.5759
3.4655	27.20000	24.00000	102.31000 3.7181

Structure: Christchurch N | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	27.20000	24.00000	102.31000 3.7181
1.0770	27.60000	23.00000	102.31000 4.2193
2.1541	28.00000	22.00000	102.31000 4.4938
3.2311	28.40000	21.00000	102.31000 4.4279
4.3081	28.80000	20.00000	102.31000 3.8925

Structure: Christchurch O | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	28.80000	20.00000	103.13000 3.8925
0.90000	27.90000	20.00000	103.13000 4.1443
1.8000	27.00000	20.00000	103.13000 4.5409

Structure: Christchurch P | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	27.00000	20.00000	103.13000 4.5409
1.3463	25.85000	19.30000	103.13000 1.3779
2.6926	24.70000	18.60000	103.13000 3.3346

Structure: Christchurch Q | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	24.70000	18.60000	103.13000 3.3346
1.0251	24.68750	17.57500	103.13000 0.0
2.0502	24.67500	16.55000	103.13000 0.0
3.0752	24.66250	15.52500	103.13000 0.0
4.1003	24.65000	14.50000	103.13000 0.0
5.1254	24.63750	13.47500	103.13000 0.0
6.1505	24.62500	12.45000	103.13000 0.0
7.1755	24.61250	11.42500	103.13000 0.0
8.2006	24.60000	10.40000	103.13000 0.0

Structure: Well Road A | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	16.70000	21.90000	104.00000 0.57324
0.95708	17.64000	21.72000	104.00000 0.87194
1.9142	18.58000	21.54000	104.00000 1.2917
2.8712	19.52000	21.36000	104.00000 1.8958
3.8283	20.46000	21.18000	104.00000 2.8031
4.7854	21.40000	21.00000	104.00000 4.1551

Structure: Well Road B | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	21.40000	21.00000	102.50000 4.1551
1.0198	22.40000	20.80000	102.50000 5.4291
2.0396	23.40000	20.60000	102.50000 6.3916

Structure: Well Road C | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	23.40000	20.60000	102.50000 6.3916
1.0112	23.55000	21.60000	102.50000 5.8028
2.0224	23.70000	22.60000	102.50000 5.0120
3.0336	23.85000	23.60000	102.50000 4.2116
4.0447	24.00000	24.60000	102.50000 3.4150

Structure: Well Road D | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	24.00000	24.60000	102.50000 3.4150
1.0853	25.06667	24.40000	102.50000 3.7158
2.1705	26.13333	24.20000	102.50000 3.8690
3.2558	27.20000	24.00000	102.50000 3.7181

Structure: Well Road E | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	27.20000	24.00000	102.50000 3.7181
1.7328	28.40000	25.25000	102.50000 2.5759
3.4655	29.60000	26.50000	102.50000 1.6336

Structure: Well Road F | Sub-structure:

Dist. **Coordinates** **Displacements**

x [m]	y [m]	z [m]	z [mm]

Vertical Offset 1

0.0	29.60000	26.50000	102.50000 1.6336

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
1.1180	29.10000	27.50000	102.50000	1.1823
2.2361	28.60000	28.50000	102.50000	0.78564

Structure: Well Road G | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.60000	28.50000	102.50000	0.78564
0.39051	28.30000	28.25000	102.50000	0.90131
0.78102	28.00000	28.00000	102.50000	1.0305

Structure: Well Road H | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.00000	28.00000	102.50000	1.0305
0.93868	27.06667	28.10000	102.50000	1.0463
1.8774	26.13333	28.20000	102.50000	1.0298
2.8160	25.20000	28.30000	102.50000	0.97101
3.7547	24.26667	28.40000	102.50000	0.89282
4.6934	23.33333	28.50000	102.50000	0.80398
5.6321	22.40000	28.60000	102.50000	0.68343

Structure: Well Road I | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	22.40000	28.60000	104.00000	0.68343
1.0299	21.37500	28.70000	104.00000	0.54797
2.0597	20.35000	28.80000	104.00000	0.42433
3.0896	19.32500	28.90000	104.00000	0.31896
4.1195	18.30000	29.00000	104.00000	0.23232

Structure: Well Road J | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	18.30000	29.00000	104.00000	0.23232
0.90976	18.10000	28.11250	104.00000	0.33329
1.8195	17.90000	27.22500	104.00000	0.45686
2.7293	17.70000	26.33750	104.00000	0.58873
3.6390	17.50000	25.45000	104.00000	0.70583
4.5488	17.30000	24.56250	104.00000	0.78156
5.4585	17.10000	23.67500	104.00000	0.79181
6.3683	16.90000	22.78750	104.00000	0.72246
7.2780	16.70000	21.90000	104.00000	0.57324

Specific Building Damage Results - All Segments

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m] [%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.							

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m] [%]	[%]	[%]			[m]	
0	1	1.2000 1.1990 Sagging 0.0	0.062130	0.062130	0.0059406	-0.0027014	698.00	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m] [%]	[%]	[%]			[m]	
0	1	0.0 1.7038 Hogging 0.0077366	-0.20349	0.040941	0.0027727	519.48E-6	2103.1	0 (Negligible)
	2	1.7038 1.8952 Sagging 0.0032543	-0.026836	0.0056810	0.0027727	469.26E-6	7264.6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m] [%]	[%]	[%]			[m]	
0	1	0.0 2.3990 Hogging 0.0028364	-0.075477	0.015183	0.0015112	114.58E-6	10461.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m] [%]	[%]	[%]			[m]	
0	1	0.0 3.9990 Hogging 888.69E-6	0.061423	0.061805	-707.83E-6	447.27E-6	16446.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch F | Sub-structure:

Vertical Offset from Line for Vertical	Segment	Start Length Curvature Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal	Maximum Gradient of Vertical	Min. Radius of Curvature	Damage Category

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 9.5120	Hogging	68.321E-6	17.213E-6	81.074E-6	5.7371E-6	19.991E-6	324260.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 2.1990	Hogging	0.0014582	0.050342	0.050692	-593.27E-6	-447.15E-6	18676.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 1.6990	Sagging	0.0016473	-0.056804	0.011399	618.19E-6	98.316E-6	11451.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 2.9990	Hogging	576.29E-6	0.053278	0.053465	-678.06E-6	-499.54E-6	42678.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 3.6870	Sagging	0.0052411	-0.12533	0.025225	0.0018072	-167.65E-6	7264.5	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 1.9230	Hogging	83.772E-6	0.0044752	0.0044928	-63.405E-6	486.19E-6	284140.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch L | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 1.8350	Sagging	759.50E-6	0.0016816	0.0019826	-38.401E-6	388.16E-6	29908.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch M | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 3.4650	Hogging	0.0028492	0.061303	0.062187	-696.73E-6	-658.68E-6	15059.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch N | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 4.3070	Sagging	0.015925	0.021054	0.034794	-364.80E-6	496.99E-6	2311.3	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch O | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 1.7990	Hogging	0.0040326	-0.15943	0.031971	0.0036045	-442.23E-6	5525.3	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0	1	0.0 2.6920	Hogging	0.094081	0.10072	0.15125	-0.0017277	0.0023488	354.59	3 (Moderate)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	0.0	None	0.0	0.0	0.0	0.0069257	0.0032756	249.67	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	4.7840	Hogging	0.017211	0.050704	0.059489	-847.01E-6	-0.0014127	1903.2	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	2.0390	Sagging	0.0075963	-0.0030294	0.0064418	684.64E-6	-0.0012501	3322.4	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road C | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.0255	Sagging	0.0045329	0.10498	0.10738	-0.0011232	790.59E-6	4095.4	2 (Slight)
	2	3.0255	1.0185	Hogging	2.8958E-6	0.11244	0.11244	-0.0011232	790.59E-6	146030.	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road D | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.2550	Sagging	0.0077395	-0.060576	0.012873	0.0010823	-277.22E-6	3423.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road E | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.4650	Hogging	0.0028497	0.061305	0.062190	-696.73E-6	658.68E-6	15059.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road F | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	2.2350	Hogging	0.0012127	0.024764	0.025008	-318.25E-6	403.61E-6	22819.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road G | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	0.78000	Hogging	860.04E-6	0.041441	0.041502	-414.93E-6	-330.78E-6	11242.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road H | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	5.6310	Sagging	0.0020410	-0.016878	0.0035403	297.30E-6	128.45E-6	23806.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road I | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category
Calculations								Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	4.1180	Hogging	810.82E-6	0.0035002	0.0038591	-116.56E-6	131.54E-6	56228.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road J | Sub-structure:

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature	Damage Category

Calculations							Curve	Curve		
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	2.0752	Hogging	655.41E-6	0.015114	0.015263	-222.18E-6	-144.95E-6	31612.	0 (Negligible)
	2	2.0752	5.2018	Sagging	0.0048002	-0.022658	0.0051670	349.43E-6	164.08E-6	10340.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0	0.062130	-0.0027014	4.4073	0.062130	0.0059406	-0.0027014	-	698.00	1 (Very Slight)

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0077366	-0.20349	519.48E-6	4.4083	0.040941	0.0027727	519.48E-6	2103.1	7264.6	0 (Negligible)

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0028364	-0.075477	114.58E-6	3.0158	0.015183	0.0015112	114.58E-6	10461.	-	0 (Negligible)

Structure: Christchurch E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	888.69E-6	0.061423	447.27E-6	2.8350	0.061805	-707.83E-6	447.27E-6	16446.	-	1 (Very Slight)

Structure: Christchurch F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	68.321E-6	17.213E-6	19.991E-6	1.0951	81.074E-6	5.7371E-6	19.991E-6	324260.	-	0 (Negligible)

Structure: Christchurch G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0014582	0.050342	-447.15E-6	1.8366	0.050692	-593.27E-6	-447.15E-6	18676.	-	1 (Very Slight)

Structure: Christchurch H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0016473	-0.056804	98.316E-6	1.8373	0.011399	618.19E-6	98.316E-6	-	11451.	0 (Negligible)

Structure: Christchurch I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	576.29E-6	0.053278	-499.54E-6	3.2115	0.053465	-678.06E-6	-499.54E-6	42678.	-	1 (Very Slight)

Structure: Christchurch J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0052411	-0.12533	-167.65E-6	3.4222	0.025225	0.0018072	-167.65E-6	-	7264.5	0 (Negligible)

Structure: Christchurch K | Sub-structure:

Vertical Offset from Line for	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal	Maximum Gradient of Vertical	Min. Radius of Curvature	Min. Radius of Curvature	Damage Category

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	83.772E-6	0.0044752	486.19E-6	3.2500	0.0044928	-63.405E-6	486.19E-6	284140.		- 0 (Negligible)

Structure: Christchurch L | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	759.50E-6	0.0016816	388.16E-6	2.3180	0.0019826	-38.401E-6	388.16E-6	-	29908.	0 (Negligible)

Structure: Christchurch M | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0028492	0.061303	-658.68E-6	3.7177	0.062187	-696.73E-6	-658.68E-6	15059.		- 1 (Very Slight)

Structure: Christchurch N | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.015925	0.021054	496.99E-6	4.4925	0.034794	-364.80E-6	496.99E-6	-	2311.3	0 (Negligible)

Structure: Christchurch O | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0040326	-0.15943	-442.23E-6	4.5405	0.031971	0.0036045	-442.23E-6	5525.3		- 0 (Negligible)

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.094081	0.10072	0.0023488	4.5409	0.15125	-0.0017277	0.0023488	354.59		- 3 (Moderate)

Structure: Christchurch Q | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0	0.0	0.0032756	3.3346	0.0	0.0069257	0.0032756	-		- 0 (Negligible)

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.017211	0.050704	-0.0014127	4.1531	0.059489	-847.01E-6	-0.0014127	1903.2		- 1 (Very Slight)

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0075963	-0.0030294	-0.0012501	6.3910	0.0064418	684.64E-6	-0.0012501	-	3322.4	0 (Negligible)

Structure: Well Road C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0045329	0.11244	790.59E-6	6.3916	0.11244	-0.0011232	790.59E-6	146030.	4095.4	2 (Slight)

Structure: Well Road D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0077395	-0.060576	-277.22E-6	3.8689	0.012873	0.0010823	-277.22E-6	-	3423.1	0 (Negligible)

Structure: Well Road E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0028497	0.061305	658.68E-6	3.7181	0.062190	-696.73E-6	658.68E-6	15059.		- 1 (Very Slight)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0012127	0.024764	403.61E-6	1.6336	0.025008	-318.25E-6	403.61E-6	22819.		- 0 (Negligible)

Structure: Well Road F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0012127	0.024764	403.61E-6	1.6336	0.025008	-318.25E-6	403.61E-6	22819.		- 0 (Negligible)

Structure: Well Road G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	860.04E-6	0.041441	-330.78E-6	1.0302	0.041502	-414.93E-6	-330.78E-6	11242.		- 0 (Negligible)

Structure: Well Road H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0020410	-0.016878	128.45E-6	1.0458	0.0035403	297.30E-6	128.45E-6	-	23806.	0 (Negligible)

Structure: Well Road I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	810.82E-6	0.0035002	131.54E-6	0.68343	0.0038591	-116.56E-6	131.54E-6	56228.		- 0 (Negligible)

Structure: Well Road J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0048002	-0.022658	164.08E-6	0.79158	0.015263	349.43E-6	164.08E-6	31612.	10340.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start [m]	End [m]	Curvature	Maximum Slope	Maximum Settlement [mm]	Max. Tensile Strain [%]	Min. Radius of Curvature (Hogging) [m]	Min. Radius of Curvature (Sagging) [m]	Damage Category
Christchurch A	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch B	Maximum Slope		1	1.2000	2.3990	Sagging	**0.0027014**	4.4073	0.062130	-	698.00	1 (Very Slight)
	Maximum Settlement		1	1.2000	2.3990	Sagging	0.0027014	**4.4073**	0.062130	-	698.00	1 (Very Slight)
	Max. Tensile Strain		1	1.2000	2.3990	Sagging	0.0027014	4.4073	**0.062130**	-	698.00	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	1.2000	2.3990	Sagging	0.0027014	4.4073	0.062130	-	**698.00**	1 (Very Slight)
Christchurch C	Maximum Slope		1	0.0	1.7038	Hogging	**519.48E-6**	4.4083	0.040941	2103.1	-	0 (Negligible)
	Maximum Settlement		1	0.0	1.7038	Hogging	519.48E-6	**4.4083**	0.040941	2103.1	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.7038	Hogging	519.48E-6	4.4083	**0.040941**	2103.1	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.7038	Hogging	519.48E-6	4.4083	0.040941	**2103.1**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		2	1.7038	3.5990	Sagging	469.26E-6	3.7754	0.0056810	-	**7264.6**	0 (Negligible)
Christchurch D	Maximum Slope		1	0.0	2.3990	Hogging	**114.58E-6**	3.0158	0.015183	10461.	-	0 (Negligible)
	Maximum Settlement		1	0.0	2.3990	Hogging	114.58E-6	**3.0158**	0.015183	10461.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.3990	Hogging	114.58E-6	3.0158	**0.015183**	10461.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	2.3990	Hogging	114.58E-6	3.0158	0.015183	**10461.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch E	Maximum Slope		1	0.0	3.9990	Hogging	**447.27E-6**	2.8350	0.061805	16446.	-	1 (Very Slight)
	Maximum Settlement		1	0.0	3.9990	Hogging	447.27E-6	**2.8350**	0.061805	16446.	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	3.9990	Hogging	447.27E-6	2.8350	**0.061805**	16446.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	3.9990	Hogging	447.27E-6	2.8350	0.061805	**16446.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch F	Maximum Slope		1	0.0	9.5120	Hogging	**19.991E-6**	1.0951	81.074E-6	324260.	-	0 (Negligible)
	Maximum Settlement		1	0.0	9.5120	Hogging	19.991E-6	**1.0951**	81.074E-6	324260.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	9.5120	Hogging	19.991E-6	1.0951	**81.074E-6**	324260.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	9.5120	Hogging	19.991E-6	1.0951	81.074E-6	**324260.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch G	Maximum Slope		1	0.0	2.1990	Hogging	**447.15E-6**	1.8366	0.050692	18676.	-	1 (Very Slight)
	Maximum Settlement		1	0.0	2.1990	Hogging	447.15E-6	**1.8366**	0.050692	18676.	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	2.1990	Hogging	447.15E-6	1.8366	**0.050692**	18676.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	2.1990	Hogging	447.15E-6	1.8366	0.050692	**18676.**	-	1 (Very Slight)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch H	Maximum Slope		1	0.0	1.6990	Sagging	**98.316E-6**	1.8373	0.011399	-	11451.	0 (Negligible)
	Maximum Settlement		1	0.0	1.6990	Sagging	98.316E-6	**1.8373**	0.011399	-	11451.	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.6990	Sagging	98.316E-6	1.8373	**0.011399**	-	11451.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		1	0.0	1.6990	Sagging	98.316E-6	1.8373	0.011399	-	**11451.**	0 (Negligible)
Christchurch I	Maximum Slope		1	0.0	2.9990	Hogging	**499.54E-6**	3.2115	0.053465	42678.	-	1 (Very Slight)
	Maximum Settlement		1	0.0	2.9990	Hogging	499.54E-6	**3.2115**	0.053465	42678.	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	2.9990	Hogging	499.54E-6	3.2115	**0.053465**	42678.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	2.9990	Hogging	499.54E-6	3.2115	0.053465	**42678.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch J	Maximum Slope		1	0.0	3.6870	Sagging	**167.65E-6**	3.4222	0.025225	-	7264.5	0 (Negligible)
	Maximum Settlement		1	0.0	3.6870	Sagging	167.65E-6	**3.4222**	0.025225	-	7264.5	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.6870	Sagging	167.65E-6	3.4222	**0.025225**	-	7264.5	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		1	0.0	3.6870	Sagging	167.65E-6	3.4222	0.025225	-	**7264.5**	0 (Negligible)
Christchurch K	Maximum Slope		1	0.0	1.9230	Hogging	**486.19E-6**	3.2500	0.0044928	284140.	-	0 (Negligible)
	Maximum Settlement		1	0.0	1.9230	Hogging	486.19E-6	**3.2500**	0.0044928	284140.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.9230	Hogging	486.19E-6	3.2500	**0.0044928**	284140.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.9230	Hogging	486.19E-6	3.2500	0.0044928	**284140.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch L	Maximum Slope		1	0.0	1.8350	Sagging	**388.16E-6**	2.3180	0.0019826	-	29908.	0 (Negligible)
	Maximum Settlement		1	0.0	1.8350	Sagging	388.16E-6	**2.3180**	0.0019826	-	29908.	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.8350	Sagging	388.16E-6	2.3180	**0.0019826**	-	29908.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		1	0.0	1.8350	Sagging	388.16E-6	2.3180	0.0019826	-	**29908.**	0 (Negligible)
Christchurch M	Maximum Slope		1	0.0	3.4650	Hogging	**658.68E-6**	3.7177	0.062187	15059.	-	1 (Very Slight)
	Maximum Settlement		1	0.0	3.4650	Hogging	658.68E-6	**3.7177**	0.062187	15059.	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	3.4650	Hogging	658.68E-6	3.7177	**0.062187**	15059.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	3.4650	Hogging	658.68E-6	3.7177	0.062187	**15059.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch N	Maximum Slope		1	0.0	4.3070	Sagging	**496.99E-6**	4.4925	0.034794	-	2311.3	0 (Negligible)
	Maximum Settlement		1	0.0	4.3070	Sagging	496.99E-6	**4.4925**	0.034794	-	2311.3	0 (Negligible)
	Max. Tensile Strain		1	0.0	4.3070	Sagging	496.99E-6	4.4925	**0.034794**	-	2311.3	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		1	0.0	4.3070	Sagging	496.99E-6	4.4925	0.034794	-	**2311.3**	0 (Negligible)
Christchurch O	Maximum Slope		1	0.0	1.7990	Hogging	**442.23E-6**	4.5405	0.031971	5525.3	-	0 (Negligible)
	Maximum Settlement		1	0.0	1.7990	Hogging	442.23E-6	**4.5405**	0.031971	5525.3	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.7990	Hogging	442.23E-6	4.5405	**0.031971**	5525.3	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.7990	Hogging	442.23E-6	4.5405	0.031971	**5525.3**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch P	Maximum Slope		1	0.0	2.6920	Hogging	**0.0023488**	4.5409	0.15125	354.59	-	3 (Moderate)
	Maximum Settlement		1	0.0	2.6920	Hogging	0.0023488	**4.5409**	0.15125	354.59	-	3 (Moderate)
	Max. Tensile Strain		1	0.0	2.6920	Hogging	0.0023488	4.5409	**0.15125**	354.59	-	3 (Moderate)
	Min. Radius of Curvature (Hogging)		1	0.0	2.6920	Hogging	0.0023488	4.5409	0.15125	**354.59**	-	3 (Moderate)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Christchurch Q	Maximum Slope		1	0.0	0.0	Sagging	**0.0032756**	3.3346	0.0	-	249.67	0 (Negligible)
	Maximum Settlement		1	0.0	0.0	Sagging	0.0032756	**3.3346**	0.0	-	249.67	0 (Negligible)
	Max. Tensile Strain		1	0.0	0.0	Sagging	0.0032756	3.3346	**0.0**	-	249.67	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Well Road A	Maximum Slope		1	0.0	4.7840	Hogging	**0.0014127**	4.1531	0.059489	1903.2	-	1 (Very Slight)
	Maximum Settlement		1	0.0	4.7840	Hogging	0.0014127	**4.1531**	0.059489	1903.2	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	4.7840	Hogging	0.0014127	4.1531	**0.059489**	1903.2	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	4.7840	Hogging	0.0014127	4.1531	0.059489	**1903.2**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	- -		-	-	-	-	- -	
Well Road B	Maximum Slope		1	0.0	2.0390	Sagging	**0.0012501**	6.3910	0.0064418	-	3322.4	0 (Negligible)
	Maximum Settlement		1	0.0	2.0390	Sagging	0.0012501	**6.3910**	0.0064418	-	3322.4	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.0390	Sagging	0.0012501	6.3910	**0.0064418**	-	3322.4	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min. Radius of Curvature (Sagging)		1	0.0	2.0390	Sagging	0.0012501	6.3910	0.0064418	-	**3322.4**	0 (Negligible)
Well Road C	Maximum Slope		1	0.0	3.0255	Sagging	**790.59E-6**	6.3916	0.10738	-	4095.4	2 (Slight)
	Maximum Settlement		1	0.0	3.0255	Sagging	790.59E-6	**6.3916**	0.10738	-	4095.4	2 (Slight)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Max. Tensile Strain		2	3.0255	4.0440	Hogging	790.59E-6	4.2180	**0.11244**	146030.	-	2 (Slight)
	Min. Radius of Curvature (Hogging)		2	3.0255	4.0440	Hogging	790.59E-6	4.2180	0.11244	**146030.**	-	2 (Slight)
	Min. Radius of Curvature (Sagging)		1	0.0	3.0255	Sagging	790.59E-6	6.3916	0.10738	-	**4095.4**	2 (Slight)
Well Road D	Maximum Slope		1	0.0	3.2550	Sagging	**277.22E-6**	3.8689	0.012873	-	3423.1	0 (Negligible)
	Maximum Settlement		1	0.0	3.2550	Sagging	277.22E-6	**3.8689**	0.012873	-	3423.1	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.2550	Sagging	277.22E-6	3.8689	**0.012873**	-	3423.1	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	3.2550	Sagging	277.22E-6	3.8689	0.012873	-	**3423.1**	0 (Negligible)
Well Road E	Maximum Slope		1	0.0	3.4650	Hogging	**658.68E-6**	3.7181	0.062190	15059.	-	1 (Very Slight)
	Maximum Settlement		1	0.0	3.4650	Hogging	658.68E-6	**3.7181**	0.062190	15059.	-	1 (Very Slight)
	Max. Tensile Strain		1	0.0	3.4650	Hogging	658.68E-6	3.7181	**0.062190**	15059.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	3.4650	Hogging	658.68E-6	3.7181	0.062190	**15059.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road F	Maximum Slope		1	0.0	2.2350	Hogging	**403.61E-6**	1.6336	0.025008	22819.	-	0 (Negligible)
	Maximum Settlement		1	0.0	2.2350	Hogging	403.61E-6	**1.6336**	0.025008	22819.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.2350	Hogging	403.61E-6	1.6336	**0.025008**	22819.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	2.2350	Hogging	403.61E-6	1.6336	0.025008	**22819.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road G	Maximum Slope		1	0.0	0.78000	Hogging	**330.78E-6**	1.0302	0.041502	11242.	-	0 (Negligible)
	Maximum Settlement		1	0.0	0.78000	Hogging	330.78E-6	**1.0302**	0.041502	11242.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	0.78000	Hogging	330.78E-6	1.0302	**0.041502**	11242.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	0.78000	Hogging	330.78E-6	1.0302	0.041502	**11242.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road H	Maximum Slope		1	0.0	5.6310	Sagging	**128.45E-6**	1.0458	0.0035403	-	23806.	0 (Negligible)
	Maximum Settlement		1	0.0	5.6310	Sagging	128.45E-6	**1.0458**	0.0035403	-	23806.	0 (Negligible)
	Max. Tensile Strain		1	0.0	5.6310	Sagging	128.45E-6	1.0458	**0.0035403**	-	23806.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	5.6310	Sagging	128.45E-6	1.0458	0.0035403	-	**23806.**	0 (Negligible)
Well Road I	Maximum Slope		1	0.0	4.1180	Hogging	**131.54E-6**	0.68343	0.0038591	56228.	-	0 (Negligible)
	Maximum Settlement		1	0.0	4.1180	Hogging	131.54E-6	**0.68343**	0.0038591	56228.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	4.1180	Hogging	131.54E-6	0.68343	**0.0038591**	56228.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	4.1180	Hogging	131.54E-6	0.68343	0.0038591	**56228.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road J	Maximum Slope		2	2.0752	7.2770	Sagging	**164.08E-6**	0.79158	0.0051670	-	10340.	0 (Negligible)
	Maximum Settlement		2	2.0752	7.2770	Sagging	164.08E-6	**0.79158**	0.0051670	-	10340.	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.0752	Hogging	144.95E-6	0.49393	**0.015263**	31612.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	2.0752	Hogging	144.95E-6	0.49393	0.015263	**31612.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		2	2.0752	7.2770	Sagging	164.08E-6	0.79158	0.0051670	-	**10340.**	0 (Negligible)

Specific Building Damage Results - All Combined Segments

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Tensile Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Tensile Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Tensile Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Tensile Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature Ratio	Deflection	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]	[%]		[%]	[%]	

Structure: Christchurch E | Sub-structure:

No structures have segments combined.

Structure: Christchurch F | Sub-structure:

No structures have segments combined.

Structure: Christchurch G | Sub-structure:

No structures have segments combined.

Structure: Christchurch H | Sub-structure:

No structures have segments combined.

Structure: Christchurch I | Sub-structure:

No structures have segments combined.

Structure: Christchurch J | Sub-structure:

No structures have segments combined.

Structure: Christchurch K | Sub-structure:

No structures have segments combined.

Structure: Christchurch L | Sub-structure:

No structures have segments combined.

Structure: Christchurch M | Sub-structure:

No structures have segments combined.

Structure: Christchurch N | Sub-structure:

No structures have segments combined.

Structure: Christchurch O | Sub-structure:

No structures have segments combined.

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch Q | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Well Road J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

Vertical Offset from Line for Vertical	Combined Segment	Start Length	Curvature Ratio	Deflection	Average Horizontal Strain	Max. Tensile Strain	Damage Category

No structures have segments combined.

Oasys

26 Christchurch Hill, London NW3 1LG

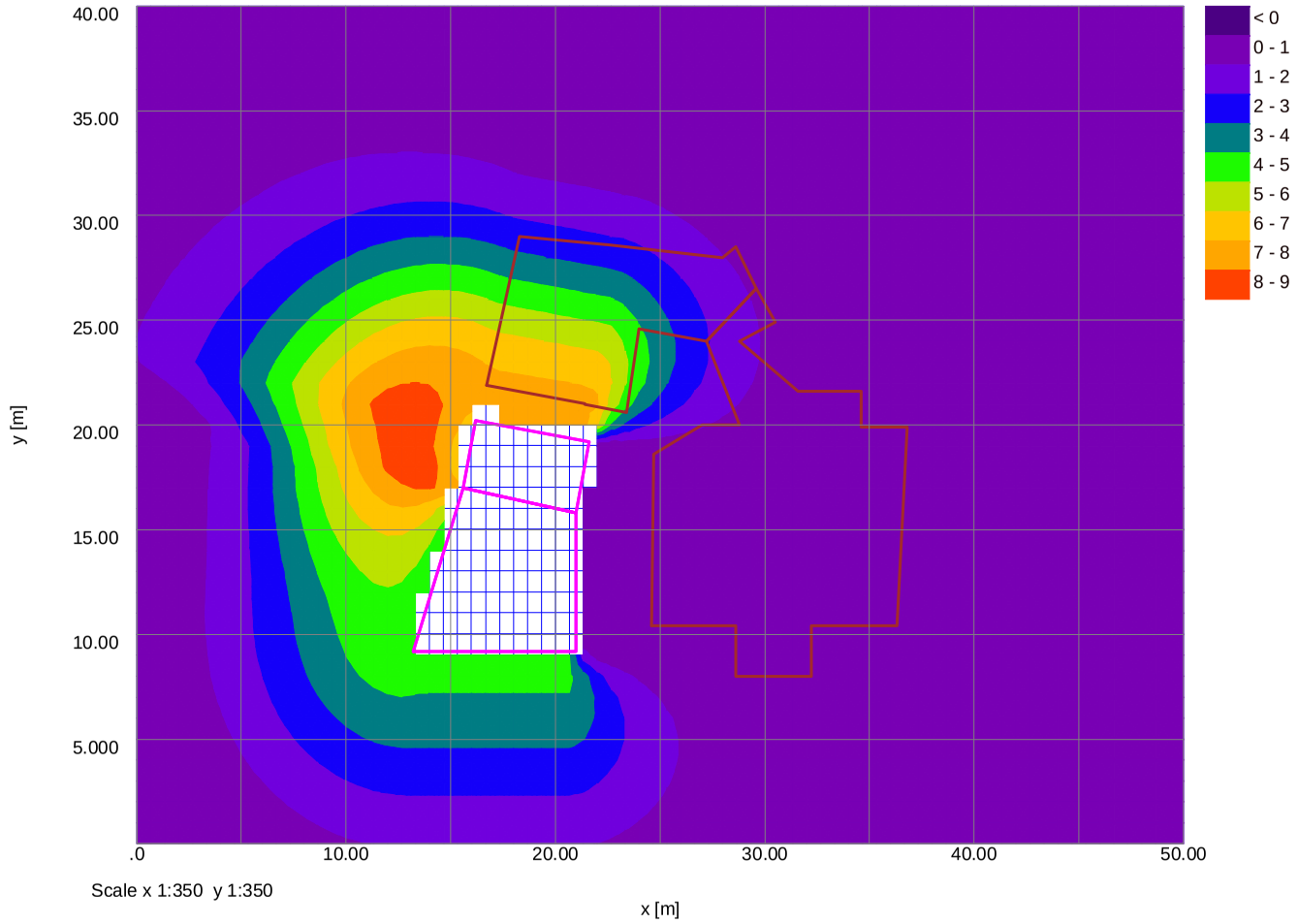
Combined Movements

Job No.	Sheet No.	Rev.
J15258		

Drg. Ref.

Made by	Date	Checked
ML	16-Oct-2016	

Vertical Settlement Contours: Grid 1 (level 105.000m) (Interval 1mm)



Scale x 1:350 y 1:350

Oasys

26 Christchurch Hill, London NW3 1LG

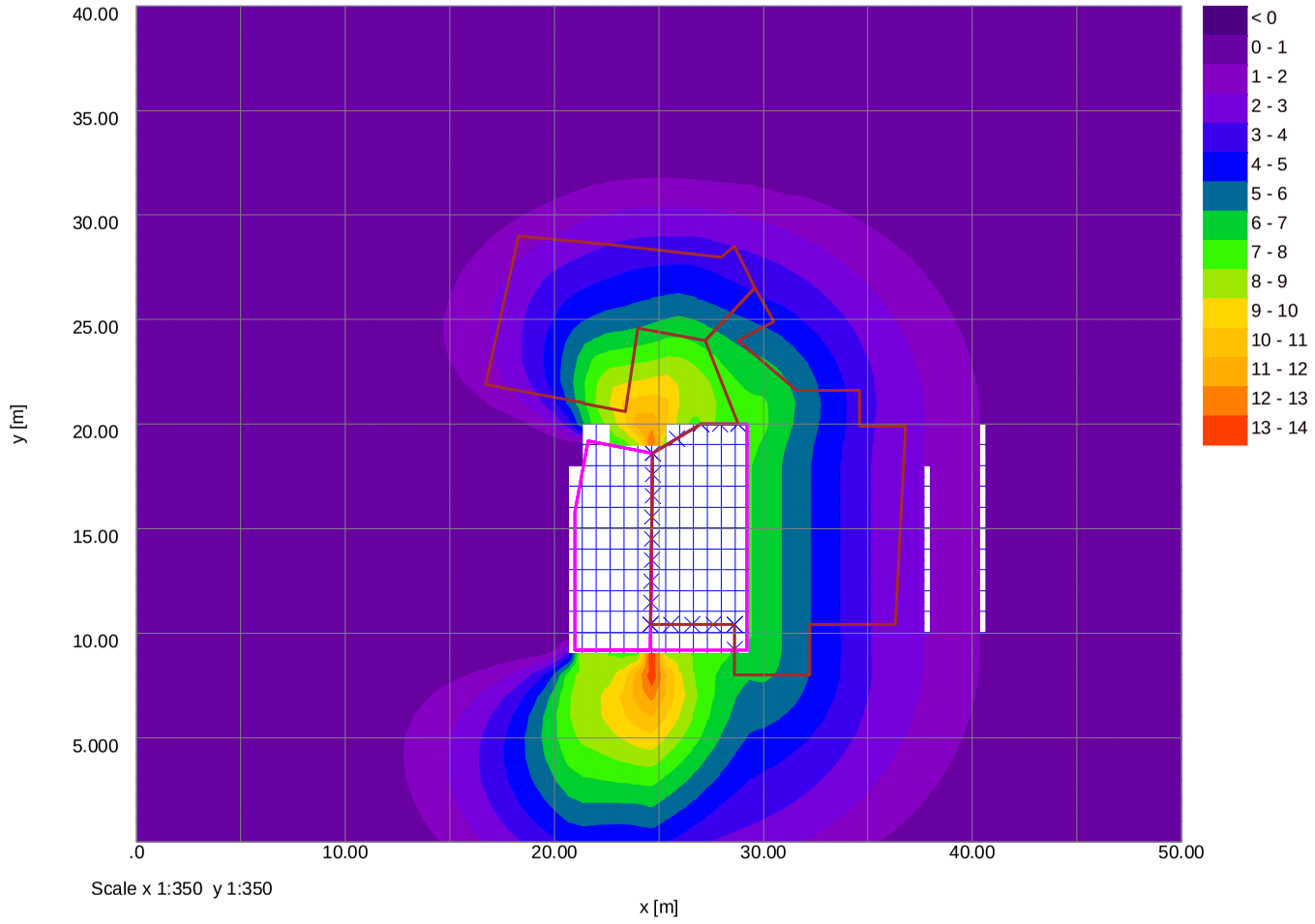
Combined Movements

Job No.	Sheet No.	Rev.
J15258		

Drg. Ref.

Made by	Date	Checked
ML	16-Oct-2016	

Horizontal Displacement Contours: Grid 1 (level 105.000m) Interval 1mm



Displacement and Strain Results

Type/No.		Coordinates			Displacements				Angle of Line
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
Grid 1	Grid 1	0.00000	0.00000	105.00000	0.15698	0.10941	0.036789	-	-	-
		0.66667	0.00000	105.00000	0.31817	0.23355	0.061621	-	-	-
		1.33333	0.00000	105.00000	0.46966	0.36412	0.081721	-	-	-
		2.00000	0.00000	105.00000	0.61022	0.50125	0.10263	-	-	-
		2.66667	0.00000	105.00000	0.73846	0.64499	0.12856	-	-	-
		3.33333	0.00000	105.00000	0.85286	0.79524	0.16247	-	-	-
		4.00000	0.00000	105.00000	0.95174	0.95174	0.20612	-	-	-
		4.66667	0.00000	105.00000	1.0333	1.1140	0.26023	-	-	-
		5.33333	0.00000	105.00000	1.0955	1.2812	0.32450	-	-	-
		6.00000	0.00000	105.00000	1.1365	1.4522	0.39781	-	-	-
		6.66667	0.00000	105.00000	1.1543	1.6254	0.47832	-	-	-
		7.33333	0.00000	105.00000	1.1470	1.7987	0.56360	-	-	-
		8.00000	0.00000	105.00000	1.1150	1.9737	0.65236	-	-	-
		8.66667	0.00000	105.00000	1.0571	2.1476	0.74021	-	-	-
		9.33333	0.00000	105.00000	0.96876	2.3073	0.82270	-	-	-
		10.00000	0.00000	105.00000	0.85128	2.4484	0.89711	-	-	-
		10.66667	0.00000	105.00000	0.70704	2.5668	0.96084	-	-	-
		11.33333	0.00000	105.00000	0.53975	2.6584	1.0116	-	-	-
		12.00000	0.00000	105.00000	0.35514	2.7227	1.0480	-	-	-
		12.66667	0.00000	105.00000	0.16026	2.7646	1.0698	-	-	-
		13.33333	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		14.00000	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		14.66667	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		15.33333	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		16.00000	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		16.66667	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		17.33333	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		18.00000	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		18.66667	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		19.33333	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		20.00000	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		20.66667	0.00000	105.00000	0.0	2.7750	1.0752	-	-	-
		21.33333	0.00000	105.00000	-0.098081	2.7070	1.0484	-	-	-
		22.00000	0.00000	105.00000	-0.27715	2.5498	0.98347	-	-	-
		22.66667	0.00000	105.00000	-0.42936	2.3701	0.90652	-	-	-
		23.33333	0.00000	105.00000	-0.55172	2.1754	0.82108	-	-	-
		24.00000	0.00000	105.00000	-0.64336	1.9730	0.73074	-	-	-
		24.66667	0.00000	105.00000	-0.70522	1.7695	0.63890	-	-	-
		25.33333	0.00000	105.00000	-0.73960	1.5702	0.54859	-	-	-
		26.00000	0.00000	105.00000	-0.74969	1.3794	0.46241	-	-	-
		26.66667	0.00000	105.00000	-0.73912	1.2000	0.38245	-	-	-
		27.33333	0.00000	105.00000	-0.71156	1.0336	0.31026	-	-	-
		28.00000	0.00000	105.00000	-0.67052	0.88126	0.24686	-	-	-
		28.66667	0.00000	105.00000	-0.61915	0.74298	0.19276	-	-	-
		29.33333	0.00000	105.00000	-0.56017	0.61843	0.14800	-	-	-
		30.00000	0.00000	105.00000	-0.49590	0.50692	0.11217	-	-	-
		30.66667	0.00000	105.00000	-0.42820	0.40753	0.084497	-	-	-
		31.33333	0.00000	105.00000	-0.35859	0.31926	0.063812	-	-	-
		32.00000	0.00000	105.00000	-0.28825	0.24108	0.048654	-	-	-
		32.66667	0.00000	105.00000	-0.21809	0.17198	0.037277	-	-	-
		33.33333	0.00000	105.00000	-0.14880	0.11100	0.027692	-	-	-
		34.00000	0.00000	105.00000	-0.080880	0.057238	0.017691	-	-	-
		34.66667	0.00000	105.00000	-0.014695	0.0098923	0.0048789	-	-	-
		35.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		36.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		36.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		37.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		38.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		38.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		39.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		40.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		40.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		41.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		42.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		43.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		44.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		45.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		46.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		47.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		48.66667	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		49.33333	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		50.00000	0.00000	105.00000	0.0	0.0	0.0	-	-	-
		0.00000	1.00000	105.00525	0.33777	0.20983	0.061935	-	-	-
		0.66667	1.00000	105.00525	0.50916	0.33312	0.083137	-	-	-
		1.33333	1.00000	105.00525	0.67125	0.46384	0.10578	-	-	-
		2.00000	1.00000	105.00525	0.82272	0.60235	0.13490	-	-	-
		2.66667	1.00000	105.00525	0.96204	0.74893	0.17414	-	-	-
		3.33333	1.00000	105.00525	1.0875	0.90378	0.22586	-	-	-
		4.00000	1.00000	105.00525	1.1970	1.0669	0.29115	-	-	-
		4.66667	1.00000	105.00525	1.2885	1.2382	0.37000	-	-	-
		5.33333	1.00000	105.00525	1.3595	1.4171	0.46138	-	-	-
		6.00000	1.00000	105.00525	1.4097	1.6068	0.56518	-	-	-
		6.66667	1.00000	105.00525	1.4427	1.8181	0.67917	-	-	-
		7.33333	1.00000	105.00525	1.4426	2.0275	0.79601	-	-	-
		8.00000	1.00000	105.00525	1.4074	2.2319	0.91261	-	-	-
		8.66667	1.00000	105.00525	1.3355	2.4275	1.0255	-	-	-
		9.33333	1.00000	105.00525	1.2261	2.6094	1.1311	-	-	-
		10.00000	1.00000	105.00525	1.0799	2.7721	1.2258	-	-	-
		10.66667	1.00000	105.00525	0.89890	2.9097	1.3066	-	-	-
		11.33333	1.00000	105.00525	0.68742	3.0161	1.3705	-	-	-
		12.00000	1.00000	105.00525	0.45170	3.0859	1.4153	-	-	-
		12.66667	1.00000	105.00525	0.20402	3.1369	1.4426	-	-	-
		13.33333	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		14.00000	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		14.66667	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		15.33333	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		16.00000	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		16.66667	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		17.33333	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		18.00000	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		18.66667	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		19.33333	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		20.00000	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		20.66667	1.00000	105.00525	0.0	3.1500	1.4494	-	-	-
		21.33333	1.00000	105.00525	-0.12453	3.0635	1.4093	-	-	-
		22.00000	1.00000	105.00525	-0.34932	2.8644	1.3154	-	-	-
		22.66667	1.00000	105.00525	-0.53640	2.6391	1.2072	-	-	-
		23.33333	1.00000	105.00525	-0.68245	2.3983	1.0895	-	-	-
		24.00000	1.00000	105.00525	-0.78743	2.1523	0.96712	-	-	-
		24.66667	1.00000	105.00525	-0.85392	1.9097	0.84421	-	-	-
		25.33333	1.00000	105.00525	-0.88626	1.6771	0.72447	-	-	-
		26.00000	1.00000	105.00525	-0.88968	1.4591	0.61094	-	-	-
		26.66667	1.00000	105.00525	-0.86966	1.2585	0.50595	-	-	-
		27.33333	1.00000	105.00525	-0.83136	1.0764	0.41118	-	-	-
		28.00000	1.00000	105.00525	-0.77938	0.91299	0.32769	-	-	-
		28.66667	1.00000	105.00525	-0.71763	0.76755	0.25599	-	-	-
		29.33333	1.00000	105.00525	-0.64931	0.63892	0.19605	-	-	-
		30.00000	1.00000	105.00525	-0.57696	0.52567	0.14743	-	-	-
		30.66667	1.00000	105.00525	-0.50254	0.42630	0.10928	-	-	-
		31.33333	1.00000	105.00525	-0.42756	0.33929	0.080401	-	-	-
		32.00000	1.00000	105.00525	-0.35311	0.26323	0.059328	-	-	-
		32.66667	1.00000	105.00525	-0.27998	0.19679	0.044324	-	-	-
		33.33333	1.00000	105.00525	-0.20874	0.13878	0.033440	-	-	-
		34.00000	1.00000	105.00525	-0.13975	0.088150	0.024540	-	-	-
		34.66667	1.00000	105.00525	-0.073244	0.043947	0.015326	-	-	-
		35.33333	1.00000	105.00525	-0.0093510	0.0053496	0.0033600	-	-	-
		36.00000	1.00000	105.00525	0.0	0.0	0.0	-	-	-
		36.66667	1.00000	105.00525	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	37.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	38.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	38.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	39.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	40.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	40.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	41.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	42.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	42.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	43.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	44.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	44.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	45.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	46.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	46.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	47.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	48.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	48.66667	1.00000	105.00525		0.0	0.0	0.0	-	-
	49.33333	1.00000	105.00525		0.0	0.0	0.0	-	-
	50.00000	1.00000	105.00525		0.0	0.0	0.0	-	-
	0.00000	2.00000	105.01050		0.51490	0.28085	0.080948	-	-
	0.66667	2.00000	105.01050		0.69773	0.40082	0.10442	-	-
	1.33333	2.00000	105.01050		0.87200	0.52908	0.13495	-	-
	2.00000	2.00000	105.01050		1.0363	0.66622	0.17711	-	-
	2.66667	2.00000	105.01050		1.1891	0.81282	0.23401	-	-
	3.33333	2.00000	105.01050		1.3285	0.96944	0.30743	-	-
	4.00000	2.00000	105.01050		1.4522	1.1365	0.39781	-	-
	4.66667	2.00000	105.01050		1.5671	1.3271	0.50868	-	-
	5.33333	2.00000	105.01050		1.6706	1.5446	0.63543	-	-
	6.00000	2.00000	105.01050		1.7437	1.7674	0.77161	-	-
	6.66667	2.00000	105.01050		1.7833	1.9942	0.91449	-	-
	7.33333	2.00000	105.01050		1.7856	2.2228	1.0605	-	-
	8.00000	2.00000	105.01050		1.7472	2.4502	1.2053	-	-
	8.66667	2.00000	105.01050		1.6649	2.6720	1.3447	-	-
	9.33333	2.00000	105.01050		1.5362	2.8824	1.4740	-	-
	10.00000	2.00000	105.01050		1.3602	3.0743	1.5891	-	-
	10.66667	2.00000	105.01050		1.1382	3.2394	1.6862	-	-
	11.33333	2.00000	105.01050		0.87443	3.3686	1.7623	-	-
	12.00000	2.00000	105.01050		0.57655	3.4535	1.8150	-	-
	12.66667	2.00000	105.01050		0.25985	3.5080	1.8458	-	-
	13.33333	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	14.00000	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	14.66667	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	15.33333	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	16.00000	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	16.66667	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	17.33333	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	18.00000	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	18.66667	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	19.33333	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	20.00000	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	20.66667	2.00000	105.01050		0.0	3.5250	1.8539	-	-
	21.33333	2.00000	105.01050		-0.15809	3.4147	1.7962	-	-
	22.00000	2.00000	105.01050		-0.43907	3.1613	1.6651	-	-
	22.66667	2.00000	105.01050		-0.66606	2.8774	1.5187	-	-
	23.33333	2.00000	105.01050		-0.83579	2.5790	1.3632	-	-
	24.00000	2.00000	105.01050		-0.95023	2.2806	1.2047	-	-
	24.66667	2.00000	105.01050		-1.0151	1.9934	1.0481	-	-
	25.33333	2.00000	105.01050		-1.0383	1.7252	0.89747	-	-
	26.00000	2.00000	105.01050		-1.0282	1.4806	0.75614	-	-
	26.66667	2.00000	105.01050		-0.99272	1.2613	0.62640	-	-
	27.33333	2.00000	105.01050		-0.93891	1.0674	0.50979	-	-
	28.00000	2.00000	105.01050		-0.87253	0.89746	0.40720	-	-
	28.66667	2.00000	105.01050		-0.79812	0.74954	0.31890	-	-
	29.33333	2.00000	105.01050		-0.71918	0.62137	0.24468	-	-
	30.00000	2.00000	105.01050		-0.63828	0.51062	0.18392	-	-
	30.66667	2.00000	105.01050		-0.55727	0.41507	0.13562	-	-
	31.33333	2.00000	105.01050		-0.47747	0.33269	0.098505	-	-
	32.00000	2.00000	105.01050		-0.39976	0.26166	0.071035	-	-
	32.66667	2.00000	105.01050		-0.32469	0.20038	0.051466	-	-
	33.33333	2.00000	105.01050		-0.25262	0.14748	0.037878	-	-
	34.00000	2.00000	105.01050		-0.18372	0.10175	0.028199	-	-
	34.66667	2.00000	105.01050		-0.11806	0.062195	0.020235	-	-
	35.33333	2.00000	105.01050		-0.055603	0.027931	0.011680	-	-
	36.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	36.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	37.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	38.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	38.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	39.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	40.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	40.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	41.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	42.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	42.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	43.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	44.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	44.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	45.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	46.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	46.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	47.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	48.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	48.66667	2.00000	105.01050		0.0	0.0	0.0	-	-
	49.33333	2.00000	105.01050		0.0	0.0	0.0	-	-
	50.00000	2.00000	105.01050		0.0	0.0	0.0	-	-
	0.00000	3.00000	105.01575		0.68443	0.32147	0.098750	-	-
	0.66667	3.00000	105.01575		0.87963	0.43514	0.12870	-	-
	1.33333	3.00000	105.01575		1.0673	0.55765	0.17076	-	-
	2.00000	3.00000	105.01575		1.2462	0.68987	0.22904	-	-
	2.66667	3.00000	105.01575		1.4147	0.83268	0.30618	-	-
	3.33333	3.00000	105.01575		1.5793	0.99680	0.40733	-	-
	4.00000	3.00000	105.01575		1.7519	1.2017	0.53269	-	-
	4.66667	3.00000	105.01575		1.8999	1.4157	0.67350	-	-
	5.33333	3.00000	105.01575		2.0202	1.6389	0.82832	-	-
	6.00000	3.00000	105.01575		2.1091	1.8712	0.99438	-	-
	6.66667	3.00000	105.01575		2.1622	2.1118	1.1677	-	-
	7.33333	3.00000	105.01575		2.1746	2.3593	1.3437	-	-
	8.00000	3.00000	105.01575		2.1407	2.6112	1.5168	-	-
	8.66667	3.00000	105.01575		2.0551	2.8633	1.6816	-	-
	9.33333	3.00000	105.01575		1.9123	3.1092	1.8329	-	-
	10.00000	3.00000	105.01575		1.7219	3.3662	1.9713	-	-
	10.66667	3.00000	105.01575		1.4886	3.6580	2.0959	-	-
	11.33333	3.00000	105.01575		1.1737	3.8976	2.1910	-	-
	12.00000	3.00000	105.01575		0.78894	4.0653	2.2556	-	-
	12.66667	3.00000	105.01575		0.35757	4.1568	2.2909	-	-
	13.33333	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	14.00000	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	14.66667	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	15.33333	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	16.00000	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	16.66667	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	17.33333	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	18.00000	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	18.66667	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	19.33333	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	20.00000	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	20.66667	3.00000	105.01575		0.0	4.1883	2.3009	-	-
	21.33333	3.00000	105.01575		-0.21684	4.0332	2.2185	-	-
	22.00000	3.00000	105.01575		-0.59091	3.6636	2.0349	-	-
	22.66667	3.00000	105.01575		-0.87181	3.2431	1.8351	-	-
	23.33333	3.00000	105.01575		-1.0555	2.8047	1.6281	-	-
	24.00000	3.00000	105.01575		-1.1496	2.3758	1.4207	-	-
	24.66667	3.00000	105.01575		-1.1839	2.0019	1.2227	-	-
	25.33333	3.00000	105.01575		-1.1873	1.6988	1.0428	-	-
	26.00000	3.00000	105.01575		-1.1545	1.4316	0.87622	-	-
	26.66667	3.00000	105.01575		-1.0967	1.1999	0.72498	-	-
	27.33333	3.00000	105.01575		-1.0226	1.0011	0.59011	-	-
	28.00000	3.00000	105.01575		-0.93906	0.83174	0.47201	-	-
	28.66667	3.00000	105.01575		-0.85081	0.68805	0.37053	-	-
	29.33333	3.00000	105.01575		-0.76122	0.56635	0.28511	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to Line	x Axis
	30.00000	3.00000	105.01575	-0.67256	0.46332	0.21482	-	-	-
	30.66667	3.00000	105.01575	-0.58629	0.37603	0.15847	-	-	-
	31.33333	3.00000	105.01575	-0.50330	0.30198	0.11464	-	-	-
	32.00000	3.00000	105.01575	-0.42409	0.23903	0.081726	-	-	-
	32.66667	3.00000	105.01575	-0.34891	0.18542	0.057962	-	-	-
	33.33333	3.00000	105.01575	-0.27780	0.13965	0.041465	-	-	-
	34.00000	3.00000	105.01575	-0.21070	0.10049	0.030249	-	-	-
	34.66667	3.00000	105.01575	-0.14747	0.066903	0.022238	-	-	-
	35.33333	3.00000	105.01575	-0.087951	0.038044	0.015288	-	-	-
	36.00000	3.00000	105.01575	-0.031923	0.013195	0.0071908	-	-	-
	36.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	37.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	38.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	38.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	39.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	40.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	40.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	41.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	42.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	42.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	43.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	44.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	44.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	45.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	46.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	46.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	47.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	48.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	48.66667	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	49.33333	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	50.00000	3.00000	105.01575	0.0	0.0	0.0	-	-	-
	0.00000	4.00000	105.02100	0.84179	0.33162	0.11737	-	-	-
	0.66667	4.00000	105.02100	1.0498	0.43554	0.15637	-	-	-
	1.33333	4.00000	105.02100	1.2516	0.54846	0.21188	-	-	-
	2.00000	4.00000	105.02100	1.4461	0.67142	0.28764	-	-	-
	2.66667	4.00000	105.02100	1.6690	0.84290	0.39701	-	-	-
	3.33333	4.00000	105.02100	1.8832	1.0331	0.52636	-	-	-
	4.00000	4.00000	105.02100	2.0766	1.2334	0.67533	-	-	-
	4.66667	4.00000	105.02100	2.2466	1.4448	0.84307	-	-	-
	5.33333	4.00000	105.02100	2.3895	1.6682	1.0271	-	-	-
	6.00000	4.00000	105.02100	2.5013	1.9043	1.2234	-	-	-
	6.66667	4.00000	105.02100	2.5766	2.1537	1.4268	-	-	-
	7.33333	4.00000	105.02100	2.6093	2.4163	1.6313	-	-	-
	8.00000	4.00000	105.02100	2.5916	2.6910	1.8303	-	-	-
	8.66667	4.00000	105.02100	2.5512	3.0168	2.0271	-	-	-
	9.33333	4.00000	105.02100	2.4855	3.4190	2.2156	-	-	-
	10.00000	4.00000	105.02100	2.3129	3.8162	2.3783	-	-	-
	10.66667	4.00000	105.02100	2.0234	4.1882	2.5141	-	-	-
	11.33333	4.00000	105.02100	1.6144	4.5071	2.6201	-	-	-
	12.00000	4.00000	105.02100	1.0968	4.7402	2.6927	-	-	-
	12.66667	4.00000	105.02100	0.49857	4.8561	2.7285	-	-	-
	13.33333	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	14.00000	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	14.66667	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	15.33333	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	16.00000	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	16.66667	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	17.33333	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	18.00000	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	18.66667	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	19.33333	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	20.00000	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	20.66667	4.00000	105.02100	0.0	4.8967	2.7396	-	-	-
	21.33333	4.00000	105.02100	-0.30002	4.6803	2.6235	-	-	-
	22.00000	4.00000	105.02100	-0.80167	4.1687	2.3715	-	-	-
	22.66667	4.00000	105.02100	-1.1542	3.6012	2.1068	-	-	-
	23.33333	4.00000	105.02100	-1.3604	3.0318	1.8437	-	-	-
	24.00000	4.00000	105.02100	-1.4422	2.4998	1.5921	-	-	-
	24.66667	4.00000	105.02100	-1.4295	2.0273	1.3575	-	-	-
	25.33333	4.00000	105.02100	-1.3515	1.6218	1.1415	-	-	-
	26.00000	4.00000	105.02100	-1.2502	1.3003	0.94716	-	-	-
	26.66667	4.00000	105.02100	-1.1635	1.0677	0.78145	-	-	-
	27.33333	4.00000	105.02100	-1.0661	0.87536	0.63526	-	-	-
	28.00000	4.00000	105.02100	-0.96483	0.71673	0.50820	-	-	-
	28.66667	4.00000	105.02100	-0.86385	0.58591	0.39950	-	-	-
	29.33333	4.00000	105.02100	-0.76578	0.47784	0.30813	-	-	-
	30.00000	4.00000	105.02100	-0.67208	0.38831	0.23283	-	-	-
	30.66667	4.00000	105.02100	-0.58350	0.31388	0.17217	-	-	-
	31.33333	4.00000	105.02100	-0.50030	0.25177	0.12460	-	-	-
	32.00000	4.00000	105.02100	-0.42249	0.19972	0.088465	-	-	-
	32.66667	4.00000	105.02100	-0.34988	0.15595	0.062022	-	-	-
	33.33333	4.00000	105.02100	-0.28221	0.11899	0.043460	-	-	-
	34.00000	4.00000	105.02100	-0.21917	0.087668	0.030915	-	-	-
	34.66667	4.00000	105.02100	-0.16042	0.061038	0.022476	-	-	-
	35.33333	4.00000	105.02100	-0.10564	0.038325	0.016196	-	-	-
	36.00000	4.00000	105.02100	-0.054514	0.018898	0.010093	-	-	-
	36.66667	4.00000	105.02100	-0.0067455	0.0022389	0.0021627	-	-	-
	37.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	38.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	38.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	39.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	40.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	40.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	41.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	42.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	42.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	43.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	44.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	44.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	45.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	46.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	46.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	47.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	48.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	48.66667	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	49.33333	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	50.00000	4.00000	105.02100	0.0	0.0	0.0	-	-	-
	0.00000	5.00000	105.02625	0.98196	0.31244	0.13672	-	-	-
	0.66667	5.00000	105.02625	1.2024	0.40293	0.18578	-	-	-
	1.33333	5.00000	105.02625	1.4277	0.50993	0.25930	-	-	-
	2.00000	5.00000	105.02625	1.6957	0.66991	0.36513	-	-	-
	2.66667	5.00000	105.02625	1.9486	0.83855	0.49189	-	-	-
	3.33333	5.00000	105.02625	2.1848	1.0168	0.64179	-	-	-
	4.00000	5.00000	105.02625	2.4020	1.2059	0.81497	-	-	-
	4.66667	5.00000	105.02625	2.5976	1.4071	1.0096	-	-	-
	5.33333	5.00000	105.02625	2.7684	1.6222	1.2221	-	-	-
	6.00000	5.00000	105.02625	2.9100	1.8528	1.4472	-	-	-
	6.66667	5.00000	105.02625	3.0170	2.1011	1.6785	-	-	-
	7.33333	5.00000	105.02625	3.0823	2.3691	1.9085	-	-	-
	8.00000	5.00000	105.02625	3.1952	2.7380	2.1496	-	-	-
	8.66667	5.00000	105.02625	3.2639	3.1695	2.3761	-	-	-
	9.33333	5.00000	105.02625	3.2261	3.6315	2.5821	-	-	-
	10.00000	5.00000	105.02625	3.0563	4.1137	2.7662	-	-	-
	10.66667	5.00000	105.02625	2.7284	4.5941	2.9240	-	-	-
	11.33333	5.00000	105.02625	2.2226	5.0346	3.0489	-	-	-
	12.00000	5.00000	105.02625	1.5387	5.3802	3.1343	-	-	-
	12.66667	5.00000	105.02625	0.71084	5.5684	3.1744	-	-	-
	13.33333	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	14.00000	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	14.66667	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	15.33333	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	16.00000	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	16.66667	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	17.33333	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	18.00000	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	18.66667	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	19.33333	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	20.00000	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	20.66667	5.00000	105.02625	0.0	5.6050	3.1806	-	-	-
	21.33333	5.00000	105.02625	-0.42039	5.2969	3.0148	-	-	-
	22.00000	5.00000	105.02625	-1.0887	4.5723	2.6634	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	22.66667	5.00000	105.02625		-1.5070	3.7976	2.3091	-	-
	23.33333	5.00000	105.02625		-1.7024	3.0644	1.9732	-	-
	24.00000	5.00000	105.02625		-1.7319	2.4247	1.6681	-	-
	24.66667	5.00000	105.02625		-1.6540	1.8946	1.3984	-	-
	25.33333	5.00000	105.02625		-1.5150	1.4684	1.1632	-	-
	26.00000	5.00000	105.02625		-1.3468	1.1313	0.95830	-	-
	26.66667	5.00000	105.02625		-1.1691	0.86652	0.77766	-	-
	27.33333	5.00000	105.02625		-1.0486	0.69539	0.63018	-	-
	28.00000	5.00000	105.02625		-0.93335	0.56001	0.50363	-	-
	28.66667	5.00000	105.02625		-0.82458	0.45173	0.39606	-	-
	29.33333	5.00000	105.02625		-0.72335	0.36457	0.30594	-	-
	30.00000	5.00000	105.02625		-0.62987	0.29394	0.23171	-	-
	30.66667	5.00000	105.02625		-0.54389	0.23631	0.17179	-	-
	31.33333	5.00000	105.02625		-0.46496	0.18898	0.12458	-	-
	32.00000	5.00000	105.02625		-0.39253	0.14988	0.088419	-	-
	32.66667	5.00000	105.02625		-0.32603	0.11737	0.061675	-	-
	33.33333	5.00000	105.02625		-0.26489	0.090205	0.042681	-	-
	34.00000	5.00000	105.02625		-0.20859	0.067391	0.029758	-	-
	34.66667	5.00000	105.02625		-0.15666	0.048145	0.021220	-	-
	35.33333	5.00000	105.02625		-0.10866	0.031841	0.015370	-	-
	36.00000	5.00000	105.02625		-0.064212	0.017979	0.010505	-	-
	36.66667	5.00000	105.02625		-0.022958	0.0061548	0.0049135	-	-
	37.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	38.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	38.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	39.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	40.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	40.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	41.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	42.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	42.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	43.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	44.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	44.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	45.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	46.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	46.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	47.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	48.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	48.66667	5.00000	105.02625		0.0	0.0	0.0	-	-
	49.33333	5.00000	105.02625		0.0	0.0	0.0	-	-
	50.00000	5.00000	105.02625		0.0	0.0	0.0	-	-
	0.00000	6.00000	105.03150		1.0998	0.26661	0.15539	-	-
	0.66667	6.00000	105.03150		1.3558	0.35787	0.22193	-	-
	1.33333	6.00000	105.03150		1.6550	0.49377	0.31782	-	-
	2.00000	6.00000	105.03150		1.9420	0.63675	0.43539	-	-
	2.66667	6.00000	105.03150		2.2157	0.78762	0.57846	-	-
	3.33333	6.00000	105.03150		2.4744	0.94736	0.74855	-	-
	4.00000	6.00000	105.03150		2.7165	1.1172	0.94497	-	-
	4.66667	6.00000	105.03150		2.9398	1.2988	1.1650	-	-
	5.33333	6.00000	105.03150		3.1416	1.4942	1.4038	-	-
	6.00000	6.00000	105.03150		3.3181	1.7059	1.6551	-	-
	6.66667	6.00000	105.03150		3.4646	1.9373	1.9108	-	-
	7.33333	6.00000	105.03150		3.6863	2.2537	2.1825	-	-
	8.00000	6.00000	105.03150		3.9102	2.6444	2.4461	-	-
	8.66667	6.00000	105.03150		4.0541	3.0868	2.6942	-	-
	9.33333	6.00000	105.03150		4.0900	3.5879	2.9270	-	-
	10.00000	6.00000	105.03150		3.9783	4.1499	3.1400	-	-
	10.66667	6.00000	105.03150		3.6662	4.7614	3.3247	-	-
	11.33333	6.00000	105.03150		3.0934	5.3828	3.4712	-	-
	12.00000	6.00000	105.03150		2.2156	5.9287	3.5694	-	-
	12.66667	6.00000	105.03150		1.0521	6.2691	3.6120	-	-
	13.33333	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	14.00000	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	14.66667	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	15.33333	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	16.00000	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	16.66667	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	17.33333	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	18.00000	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	18.66667	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	19.33333	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	20.00000	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	20.66667	6.00000	105.03150		0.0	6.3133	3.6057	-	-
	21.33333	6.00000	105.03150		-0.60969	5.8530	3.3609	-	-
	22.00000	6.00000	105.03150		-1.4940	4.7807	2.8603	-	-
	22.66667	6.00000	105.03150		-1.9322	3.7097	2.3863	-	-
	23.33333	6.00000	105.03150		-2.0377	2.7945	1.9677	-	-
	24.00000	6.00000	105.03150		-1.9485	2.0783	1.6129	-	-
	24.66667	6.00000	105.03150		-1.7665	1.5417	1.3186	-	-
	25.33333	6.00000	105.03150		-1.5520	1.1461	1.0762	-	-
	26.00000	6.00000	105.03150		-1.3356	0.85477	0.87593	-	-
	26.66667	6.00000	105.03150		-1.1314	0.63898	0.70835	-	-
	27.33333	6.00000	105.03150		-0.94745	0.47871	0.56488	-	-
	28.00000	6.00000	105.03150		-0.82886	0.37891	0.45064	-	-
	28.66667	6.00000	105.03150		-0.72237	0.30151	0.35423	-	-
	29.33333	6.00000	105.03150		-0.62700	0.24077	0.27381	-	-
	30.00000	6.00000	105.03150		-0.54159	0.19256	0.20771	-	-
	30.66667	6.00000	105.03150		-0.46495	0.15392	0.15433	-	-
	31.33333	6.00000	105.03150		-0.39602	0.12264	0.11216	-	-
	32.00000	6.00000	105.03150		-0.33381	0.097110	0.079692	-	-
	32.66667	6.00000	105.03150		-0.27750	0.076114	0.055498	-	-
	33.33333	6.00000	105.03150		-0.22634	0.058725	0.038151	-	-
	34.00000	6.00000	105.03150		-0.17971	0.044235	0.026246	-	-
	34.66667	6.00000	105.03150		-0.13706	0.032093	0.018393	-	-
	35.33333	6.00000	105.03150		-0.097945	0.021867	0.013212	-	-
	36.00000	6.00000	105.03150		-0.061953	0.013217	0.0093304	-	-
	36.66667	6.00000	105.03150		-0.028741	0.0058706	0.0053828	-	-
	37.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	38.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	38.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	39.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	40.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	40.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	41.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	42.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	42.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	43.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	44.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	44.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	45.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	46.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	46.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	47.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	48.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	48.66667	6.00000	105.03150		0.0	0.0	0.0	-	-
	49.33333	6.00000	105.03150		0.0	0.0	0.0	-	-
	50.00000	6.00000	105.03150		0.0	0.0	0.0	-	-
	0.00000	7.00000	105.03675		1.2208	0.21795	0.18048	-	-
	0.66667	7.00000	105.03675		1.5467	0.32856	0.26299	-	-
	1.33333	7.00000	105.03675		1.8627	0.44431	0.36583	-	-
	2.00000	7.00000	105.03675		2.1678	0.56567	0.49476	-	-
	2.66667	7.00000	105.03675		2.4611	0.69323	0.65306	-	-
	3.33333	7.00000	105.03675		2.7413	0.82772	0.84163	-	-
	4.00000	7.00000	105.03675		3.0073	0.97015	1.0591	-	-
	4.66667	7.00000	105.03675		3.2573	1.1218	1.3018	-	-
	5.33333	7.00000	105.03675		3.4896	1.2846	1.5639	-	-
	6.00000	7.00000	105.03675		3.7016	1.4610	1.8379	-	-
	6.66667	7.00000	105.03675		3.9441	1.6729	2.1243	-	-
	7.33333	7.00000	105.03675		4.2997	1.9642	2.4217	-	-
	8.00000	7.00000	105.03675		4.6106	2.3006	2.7053	-	-
	8.66667	7.00000	105.03675		4.8608	2.6966	2.9792	-	-
	9.33333	7.00000	105.03675		5.0242	3.1725	3.2409	-	-
	10.00000	7.00000	105.03675		5.0561	3.7533	3.4824	-	-
	10.66667	7.00000	105.03675		4.8795	4.4642	3.6914	-	-
	11.33333	7.00000	105.03675		4.3675	5.3090	3.8537	-	-
	12.00000	7.00000	105.03675		3.3434	6.2096	3.9563	-	-
	12.66667	7.00000	105.03675		1.6816	6.9096	3.9922	-	-
	13.33333	7.00000	105.03675		0.0019315	7.0302	3.9627	-	-
	14.00000	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	14.66667	7.00000	105.03675		0.0	7.0217	3.9592	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	15.33333	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	16.00000	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	16.66667	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	17.33333	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	18.00000	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	18.66667	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	19.33333	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	20.00000	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	20.66667	7.00000	105.03675		0.0	7.0217	3.9592	-	-
	21.33333	7.00000	105.03675		-0.94878	6.2619	3.5735	-	-
	22.00000	7.00000	105.03675		-2.0702	4.5544	2.8355	-	-
	22.66667	7.00000	105.03675		-2.3494	3.1011	2.2167	-	-
	23.33333	7.00000	105.03675		-2.2091	2.0828	1.7340	-	-
	24.00000	7.00000	105.03675		-1.9311	1.4161	1.3652	-	-
	24.66667	7.00000	105.03675		-1.6377	0.98260	1.0828	-	-
	25.33333	7.00000	105.03675		-1.3701	0.69557	0.86418	-	-
	26.00000	7.00000	105.03675		-1.1378	0.50063	0.69252	-	-
	26.66667	7.00000	105.03675		-0.93936	0.36469	0.55504	-	-
	27.33333	7.00000	105.03675		-0.77023	0.26755	0.44184	-	-
	28.00000	7.00000	105.03675		-0.64237	0.20189	0.34845	-	-
	28.66667	7.00000	105.03675		-0.55301	0.15869	0.27367	-	-
	29.33333	7.00000	105.03675		-0.47550	0.12553	0.21157	-	-
	30.00000	7.00000	105.03675		-0.40781	0.099686	0.16064	-	-
	30.66667	7.00000	105.03675		-0.34828	0.079264	0.11954	-	-
	31.33333	7.00000	105.03675		-0.29561	0.062935	0.087022	-	-
	32.00000	7.00000	105.03675		-0.24871	0.049741	0.061917	-	-
	32.66667	7.00000	105.03675		-0.20672	0.038981	0.043114	-	-
	33.33333	7.00000	105.03675		-0.16893	0.030134	0.029542	-	-
	34.00000	7.00000	105.03675		-0.13476	0.022806	0.020161	-	-
	34.66667	7.00000	105.03675		-0.10373	0.016698	0.013954	-	-
	35.33333	7.00000	105.03675		-0.075427	0.011577	0.0099205	-	-
	36.00000	7.00000	105.03675		-0.049517	0.0072625	0.0070762	-	-
	36.66667	7.00000	105.03675		-0.025714	0.0036109	0.0044464	-	-
	37.33333	7.00000	105.03675		-0.0037750	508.47E-6	0.0010655	-	-
	38.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	38.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	39.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	40.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	40.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	41.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	42.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	42.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	43.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	44.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	45.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	46.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	47.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	48.66667	7.00000	105.03675		0.0	0.0	0.0	-	-
	49.33333	7.00000	105.03675		0.0	0.0	0.0	-	-
	50.00000	7.00000	105.03675		0.0	0.0	0.0	-	-
	0.00000	8.00000	105.04200		1.3738	0.18531	0.20859	-	-
	0.66667	8.00000	105.04200		1.7139	0.27422	0.29335	-	-
	1.33333	8.00000	105.04200		2.0449	0.36651	0.40241	-	-
	2.00000	8.00000	105.04200		2.3661	0.46233	0.54119	-	-
	2.66667	8.00000	105.04200		2.6765	0.56185	0.71256	-	-
	3.33333	8.00000	105.04200		2.9753	0.66532	0.91692	-	-
	4.00000	8.00000	105.04200		3.2614	0.77309	1.1522	-	-
	4.66667	8.00000	105.04200		3.5339	0.88569	1.4142	-	-
	5.33333	8.00000	105.04200		3.7915	1.0039	1.6960	-	-
	6.00000	8.00000	105.04200		4.0330	1.1290	1.9891	-	-
	6.66667	8.00000	105.04200		4.3953	1.2886	2.3050	-	-
	7.33333	8.00000	105.04200		4.8126	1.4815	2.6179	-	-
	8.00000	8.00000	105.04200		5.2040	1.7035	2.9217	-	-
	8.66667	8.00000	105.04200		5.5627	1.9680	3.2185	-	-
	9.33333	8.00000	105.04200		5.8765	2.2977	3.5038	-	-
	10.00000	8.00000	105.04200		6.1206	2.7309	3.7662	-	-
	10.66667	8.00000	105.04200		6.2400	3.3344	3.9948	-	-
	11.33333	8.00000	105.04200		6.1001	4.2222	4.1654	-	-
	12.00000	8.00000	105.04200		5.3493	5.5478	4.2513	-	-
	12.66667	8.00000	105.04200		3.1743	7.1974	4.2480	-	-
	13.33333	8.00000	105.04200		0.015772	7.7926	4.1820	-	-
	14.00000	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	14.66667	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	15.33333	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	16.00000	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	16.66667	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	17.33333	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	18.00000	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	18.66667	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	19.33333	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	20.00000	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	20.66667	8.00000	105.04200		0.0	7.7300	4.1483	-	-
	21.33333	8.00000	105.04200		-1.7049	6.1376	3.4300	-	-
	22.00000	8.00000	105.04200		-2.6684	3.2020	2.2901	-	-
	22.66667	8.00000	105.04200		-2.2972	1.6539	1.5890	-	-
	23.33333	8.00000	105.04200		-1.8075	0.92960	1.1561	-	-
	24.00000	8.00000	105.04200		-1.4150	0.56600	0.87040	-	-
	24.66667	8.00000	105.04200		-1.1190	0.36621	0.67047	-	-
	25.33333	8.00000	105.04200		-0.89421	0.24763	0.52456	-	-
	26.00000	8.00000	105.04200		-0.71998	0.17280	0.41464	-	-
	26.66667	8.00000	105.04200		-0.58188	0.12322	0.32945	-	-
	27.33333	8.00000	105.04200		-0.47015	0.089081	0.26131	-	-
	28.00000	8.00000	105.04200		-0.37943	0.065045	0.20471	-	-
	28.66667	8.00000	105.04200		-0.32372	0.050670	0.16065	-	-
	29.33333	8.00000	105.04200		-0.27646	0.039810	0.12418	-	-
	30.00000	8.00000	105.04200		-0.23589	0.031452	0.094329	-	-
	30.66667	8.00000	105.04200		-0.20070	0.024915	0.070257	-	-
	31.33333	8.00000	105.04200		-0.16990	0.019731	0.051203	-	-
	32.00000	8.00000	105.04200		-0.14273	0.015571	0.036468	-	-
	32.66667	8.00000	105.04200		-0.11858	0.012197	0.025401	-	-
	33.33333	8.00000	105.04200		-0.096989	0.0094367	0.017381	-	-
	34.00000	8.00000	105.04200		-0.077564	0.0071598	0.011812	-	-
	34.66667	8.00000	105.04200		-0.060001	0.0052683	0.0081144	-	-
	35.33333	8.00000	105.04200		-0.044044	0.0036874	0.0057253	-	-
	36.00000	8.00000	105.04200		-0.029485	0.0023588	0.0040912	-	-
	36.66667	8.00000	105.04200		-0.016149	0.0012369	0.0026675	-	-
	37.33333	8.00000	105.04200		-0.0038876	285.62E-6	916.41E-6	-	-
	38.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	38.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	39.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	40.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	40.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	41.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	42.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	42.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	43.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	44.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	44.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	45.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	46.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	46.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	47.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	48.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	48.66667	8.00000	105.04200		0.0	0.0	0.0	-	-
	49.33333	8.00000	105.04200		0.0	0.0	0.0	-	-
	50.00000	8.00000	105.04200		0.0	0.0	0.0	-	-
	0.00000	9.00000	105.04725		1.5008	0.13547	0.22707	-	-
	0.66667	9.00000	105.04725		1.8532	0.20058	0.31337	-	-
	1.33333	9.00000	105.04725		2.1970	0.26703	0.42709	-	-
	2.00000	9.00000	105.04725		2.5313	0.33458	0.57341	-	-
	2.66667	9.00000	105.04725		2.8554	0.40289	0.75492	-	-
	3.33333	9.00000	105.04725		3.1683	0.47154	0.97166	-	-
	4.00000	9.00000	105.04725		3.4691	0.53999	1.2211	-	-
	4.66667	9.00000	105.04725		3.7568	0.60757	1.4985	-	-
	5.33333	9.00000	105.04725		4.0305	0.67345	1.7963	-	-
	6.00000	9.00000	105.04725		4.2892	0.73669	2.1052	-	-
	6.66667	9.00000	105.04725		4.7083	0.80158	2.4406	-	-
	7.33333	9.00000	105.04725		5.1570	0.86440	2.7679	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	8.00000	9.00000	105.04725	5.5889	0.92346	3.0870	-	-	-
	8.66667	9.00000	105.04725	6.0042	0.97922	3.3989	-	-	-
	9.33333	9.00000	105.04725	6.4035	1.0341	3.7123	-	-	-
	10.00000	9.00000	105.04725	6.7877	1.0950	4.0024	-	-	-
	10.66667	9.00000	105.04725	7.1574	1.1798	4.2380	-	-	-
	11.33333	9.00000	105.04725	7.5095	1.3360	4.3924	-	-	-
	12.00000	9.00000	105.04725	7.8166	1.7206	4.4331	-	-	-
	12.66667	9.00000	105.04725	7.7696	3.1811	4.3251	-	-	-
	13.33333	9.00000	105.04725	0.039730	8.5786	4.1338	-	-	-
	14.00000	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	14.66667	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	15.33333	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	16.00000	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	16.66667	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	17.33333	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	18.00000	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	18.66667	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	19.33333	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	20.00000	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	20.66667	9.00000	105.04725	0.0	8.4383	4.0429	-	-	-
	21.33333	9.00000	105.04725	-2.4500	1.4700	1.4080	-	-	-
	22.00000	9.00000	105.04725	-0.96826	0.19365	0.52219	-	-	-
	22.66667	9.00000	105.04725	-0.55794	0.066953	0.31063	-	-	-
	23.33333	9.00000	105.04725	-0.37537	0.032175	0.21319	-	-	-
	24.00000	9.00000	105.04725	-0.27275	0.018183	0.15604	-	-	-
	24.66667	9.00000	105.04725	-0.20710	0.011297	0.11828	-	-	-
	25.33333	9.00000	105.04725	-0.16153	0.0074553	0.091607	-	-	-
	26.00000	9.00000	105.04725	-0.12806	0.0051223	0.071924	-	-	-
	26.66667	9.00000	105.04725	-0.10243	0.0036153	0.056898	-	-	-
	27.33333	9.00000	105.04725	-0.082189	0.0025955	0.045031	-	-	-
	28.00000	9.00000	105.04725	-0.065793	0.0018798	0.035256	-	-	-
	28.66667	9.00000	105.04725	-0.055587	0.0014501	0.027596	-	-	-
	29.33333	9.00000	105.04725	-0.047328	0.0011359	0.021329	-	-	-
	30.00000	9.00000	105.04725	-0.040291	895.35E-6	0.016205	-	-	-
	30.66667	9.00000	105.04725	-0.034223	708.07E-6	0.012074	-	-	-
	31.33333	9.00000	105.04725	-0.029938	560.09E-6	0.0088033	-	-	-
	32.00000	9.00000	105.04725	-0.024293	441.69E-6	0.0062728	-	-	-
	32.66667	9.00000	105.04725	-0.020178	345.91E-6	0.0043701	-	-	-
	33.33333	9.00000	105.04725	-0.016508	267.69E-6	0.0029890	-	-	-
	34.00000	9.00000	105.04725	-0.013214	203.29E-6	0.0020280	-	-	-
	34.66667	9.00000	105.04725	-0.010241	149.87E-6	0.0013892	-	-	-
	35.33333	9.00000	105.04725	-0.0075447	105.28E-6	976.93E-6	-	-	-
	36.00000	9.00000	105.04725	-0.0050880	67.839E-6	698.05E-6	-	-	-
	36.66667	9.00000	105.04725	-0.0028402	36.258E-6	460.79E-6	-	-	-
	37.33333	9.00000	105.04725	-775.86E-6	9.5003E-6	174.74E-6	-	-	-
	38.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	38.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	39.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	40.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	40.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	41.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	42.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	42.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	43.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	44.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	45.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	46.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	47.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	48.66667	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	49.33333	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	50.00000	9.00000	105.04725	0.0	0.0	0.0	-	-	-
	0.00000	10.00000	105.05250	1.5993	0.074048	0.23728	-	-	-
	0.66667	10.00000	105.05250	1.9619	0.11418	0.32387	-	-	-
	1.33333	10.00000	105.05250	2.3158	0.15357	0.44015	-	-	-
	2.00000	10.00000	105.05250	2.6603	0.19161	0.59120	-	-	-
	2.66667	10.00000	105.05250	2.9942	0.22748	0.77946	-	-	-
	3.33333	10.00000	105.05250	3.3163	0.26011	1.0048	-	-	-
	4.00000	10.00000	105.05250	3.6255	0.28806	1.2644	-	-	-
	4.66667	10.00000	105.05250	3.9203	0.30954	1.5531	-	-	-
	5.33333	10.00000	105.05250	4.1991	0.32201	1.8633	-	-	-
	6.00000	10.00000	105.05250	4.4602	0.32222	2.1850	-	-	-
	6.66667	10.00000	105.05250	4.8615	0.28615	2.5312	-	-	-
	7.33333	10.00000	105.05250	5.2994	0.21489	2.8701	-	-	-
	8.00000	10.00000	105.05250	5.7115	0.10441	3.2049	-	-	-
	8.66667	10.00000	105.05250	6.0936	-0.060891	3.5567	-	-	-
	9.33333	10.00000	105.05250	6.4391	-0.30492	3.8833	-	-	-
	10.00000	10.00000	105.05250	6.7351	-0.66689	4.1704	-	-	-
	10.66667	10.00000	105.05250	6.9654	-1.1694	4.3973	-	-	-
	11.33333	10.00000	105.05250	7.2655	-1.3800	4.5371	-	-	-
	12.00000	10.00000	105.05250	7.5615	-1.6280	4.5682	-	-	-
	12.66667	10.00000	105.05250	7.8650	-1.9115	4.4582	-	-	-
	13.33333	10.00000	105.05250	8.1834	-2.2388	4.1704	-	-	-
	14.00000	10.00000	105.05250	Point lies within an excavation.					
	14.66667	10.00000	105.05250	Point lies within an excavation.					
	15.33333	10.00000	105.05250	Point lies within an excavation.					
	16.00000	10.00000	105.05250	Point lies within an excavation.					
	16.66667	10.00000	105.05250	Point lies within an excavation.					
	17.33333	10.00000	105.05250	Point lies within an excavation.					
	18.00000	10.00000	105.05250	Point lies within an excavation.					
	18.66667	10.00000	105.05250	Point lies within an excavation.					
	19.33333	10.00000	105.05250	Point lies within an excavation.					
	20.00000	10.00000	105.05250	Point lies within an excavation.					
	20.66667	10.00000	105.05250	Point lies within an excavation.					
	21.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	22.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	22.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	23.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	24.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	24.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	25.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	26.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	26.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	27.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	28.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	28.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	29.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	30.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	30.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	31.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	32.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	32.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	33.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	34.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	34.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	35.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	36.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	36.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	37.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	38.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	38.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	39.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	40.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	40.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	41.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	42.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	42.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	43.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	44.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	44.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	45.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	46.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	46.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	47.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	48.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	48.66667	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	49.33333	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	50.00000	10.00000	105.05250	0.0	0.0	0.0	-	-	-
	0.00000	11.00000	105.05775	1.6677	0.0069118	0.24083	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis Line
	0.66667	11.00000	105.05775	2.0384	0.021743	0.32623	-	-	-
	1.33333	11.00000	105.05775	2.4002	0.033982	0.44276	-	-	-
	2.00000	11.00000	105.05775	2.7519	0.042732	0.59552	-	-	-
	2.66667	11.00000	105.05775	3.0922	0.046833	0.78696	-	-	-
	3.33333	11.00000	105.05775	3.4195	0.044771	1.0169	-	-	-
	4.00000	11.00000	105.05775	3.7318	0.034561	1.2826	-	-	-
	4.66667	11.00000	105.05775	4.0269	0.013585	1.5787	-	-	-
	5.33333	11.00000	105.05775	4.3020	-0.021639	1.8976	-	-	-
	6.00000	11.00000	105.05775	4.5536	-0.075776	2.2293	-	-	-
	6.66667	11.00000	105.05775	4.8698	-0.18066	2.5778	-	-	-
	7.33333	11.00000	105.05775	5.2631	-0.35911	2.9462	-	-	-
	8.00000	11.00000	105.05775	5.6542	-0.44175	3.3242	-	-	-
	8.66667	11.00000	105.05775	6.0213	-0.53276	3.6795	-	-	-
	9.33333	11.00000	105.05775	6.3624	-0.64026	4.0060	-	-	-
	10.00000	11.00000	105.05775	6.6772	-0.77028	4.2922	-	-	-
	10.66667	11.00000	105.05775	6.9693	-0.92779	4.5214	-	-	-
	11.33333	11.00000	105.05775	7.2494	-1.1105	4.6717	-	-	-
	12.00000	11.00000	105.05775	7.5099	-1.3452	4.7169	-	-	-
	12.66667	11.00000	105.05775	7.7640	-1.6401	4.6264	-	-	-
	13.33333	11.00000	105.05775	8.0302	-1.9997	4.3658	-	-	-
	14.00000	11.00000	105.05775		Point lies within an excavation.				
	14.66667	11.00000	105.05775		Point lies within an excavation.				
	15.33333	11.00000	105.05775		Point lies within an excavation.				
	16.00000	11.00000	105.05775		Point lies within an excavation.				
	16.66667	11.00000	105.05775		Point lies within an excavation.				
	17.33333	11.00000	105.05775		Point lies within an excavation.				
	18.00000	11.00000	105.05775		Point lies within an excavation.				
	18.66667	11.00000	105.05775		Point lies within an excavation.				
	19.33333	11.00000	105.05775		Point lies within an excavation.				
	20.00000	11.00000	105.05775		Point lies within an excavation.				
	20.66667	11.00000	105.05775		Point lies within an excavation.				
	21.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	22.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	22.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	23.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	24.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	24.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	25.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	26.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	26.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	27.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	28.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	28.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	29.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	30.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	30.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	31.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	32.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	32.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	33.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	34.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	34.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	35.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	36.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	36.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	37.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	38.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	38.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	39.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	40.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	40.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	41.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	42.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	42.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	43.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	44.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	44.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	45.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	46.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	46.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	47.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	48.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	48.66667	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	49.33333	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	50.00000	11.00000	105.05775	0.0	0.0	0.0	-	-	-
	0.00000	12.00000	105.06300	1.7054	-0.060335	0.23955	-	-	-
	0.66667	12.00000	105.06300	2.0825	-0.070413	0.32234	-	-	-
	1.33333	12.00000	105.06300	2.4503	-0.084576	0.43686	-	-	-
	2.00000	12.00000	105.06300	2.8073	-0.10384	0.58837	-	-	-
	2.66667	12.00000	105.06300	3.1518	-0.12948	0.77949	-	-	-
	3.33333	12.00000	105.06300	3.4816	-0.16314	1.0102	-	-	-
	4.00000	12.00000	105.06300	3.7942	-0.20692	1.2779	-	-	-
	4.66667	12.00000	105.06300	4.1029	-0.21319	1.5781	-	-	-
	5.33333	12.00000	105.06300	4.3988	-0.20984	1.9047	-	-	-
	6.00000	12.00000	105.06300	4.6775	-0.20524	2.2486	-	-	-
	6.66667	12.00000	105.06300	4.9364	-0.20053	2.6187	-	-	-
	7.33333	12.00000	105.06300	5.3437	-0.24995	3.0490	-	-	-
	8.00000	12.00000	105.06300	5.7509	-0.31127	3.4532	-	-	-
	8.66667	12.00000	105.06300	6.1293	-0.38009	3.8284	-	-	-
	9.33333	12.00000	105.06300	6.4756	-0.46135	4.1704	-	-	-
	10.00000	12.00000	105.06300	6.8038	-0.54687	4.4693	-	-	-
	10.66667	12.00000	105.06300	7.0987	-0.65402	4.7095	-	-	-
	11.33333	12.00000	105.06300	7.3494	-0.80555	4.8698	-	-	-
	12.00000	12.00000	105.06300	7.5621	-1.0176	4.9247	-	-	-
	12.66667	12.00000	105.06300	7.7508	-1.3076	4.8441	-	-	-
	13.33333	12.00000	105.06300	7.9400	-1.6899	4.5951	-	-	-
	14.00000	12.00000	105.06300	8.1651	-2.1697	4.1425	-	-	-
	14.66667	12.00000	105.06300		Point lies within an excavation.				
	15.33333	12.00000	105.06300		Point lies within an excavation.				
	16.00000	12.00000	105.06300		Point lies within an excavation.				
	16.66667	12.00000	105.06300		Point lies within an excavation.				
	17.33333	12.00000	105.06300		Point lies within an excavation.				
	18.00000	12.00000	105.06300		Point lies within an excavation.				
	18.66667	12.00000	105.06300		Point lies within an excavation.				
	19.33333	12.00000	105.06300		Point lies within an excavation.				
	20.00000	12.00000	105.06300		Point lies within an excavation.				
	20.66667	12.00000	105.06300		Point lies within an excavation.				
	21.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	22.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	22.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	23.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	24.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	24.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	25.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	26.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	26.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	27.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	28.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	28.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	29.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	30.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	30.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	31.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	32.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	32.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	33.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	34.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	34.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	35.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	36.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	36.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	37.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	38.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	38.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	39.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	40.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	40.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	41.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	42.00000	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	42.66667	12.00000	105.06300	0.0	0.0	0.0	-	-	-
	43.33333	12.00000	105.06300	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to x Axis to Line
	44.00000	12.00000	105.06300		0.0	0.0	0.0	-	-
	44.66667	12.00000	105.06300		0.0	0.0	0.0	-	-
	45.33333	12.00000	105.06300		0.0	0.0	0.0	-	-
	46.00000	12.00000	105.06300		0.0	0.0	0.0	-	-
	46.66667	12.00000	105.06300		0.0	0.0	0.0	-	-
	47.33333	12.00000	105.06300		0.0	0.0	0.0	-	-
	48.00000	12.00000	105.06300		0.0	0.0	0.0	-	-
	48.66667	12.00000	105.06300		0.0	0.0	0.0	-	-
	49.33333	12.00000	105.06300		0.0	0.0	0.0	-	-
	50.00000	12.00000	105.06300		0.0	0.0	0.0	-	-
	0.00000	13.00000	105.06825		1.7124	-0.12265	0.23533	-	-
	0.66667	13.00000	105.06825		2.0948	-0.15683	0.31439	-	-
	1.33333	13.00000	105.06825		2.4729	-0.17938	0.42504	-	-
	2.00000	13.00000	105.06825		2.8459	-0.19351	0.57341	-	-
	2.66667	13.00000	105.06825		3.2114	-0.20422	0.76299	-	-
	3.33333	13.00000	105.06825		3.5680	-0.21130	0.99479	-	-
	4.00000	13.00000	105.06825		3.9146	-0.21460	1.2674	-	-
	4.66667	13.00000	105.06825		4.2495	-0.21401	1.5768	-	-
	5.33333	13.00000	105.06825		4.5707	-0.20953	1.9168	-	-
	6.00000	13.00000	105.06825		4.8760	-0.20132	2.2811	-	-
	6.66667	13.00000	105.06825		5.1625	-0.18979	2.7278	-	-
	7.33333	13.00000	105.06825		5.4728	-0.18989	3.1749	-	-
	8.00000	13.00000	105.06825		5.9076	-0.23532	3.6179	-	-
	8.66667	13.00000	105.06825		6.3116	-0.28215	4.0243	-	-
	9.33333	13.00000	105.06825		6.7087	-0.31555	4.3922	-	-
	10.00000	13.00000	105.06825		7.0694	-0.35175	4.7130	-	-
	10.66667	13.00000	105.06825		7.3715	-0.40987	4.9720	-	-
	11.33333	13.00000	105.06825		7.6090	-0.50584	5.1482	-	-
	12.00000	13.00000	105.06825		7.7801	-0.66277	5.2150	-	-
	12.66667	13.00000	105.06825		7.8928	-0.91127	5.1410	-	-
	13.33333	13.00000	105.06825		7.9730	-1.2862	4.8918	-	-
	14.00000	13.00000	105.06825		8.0729	-1.8155	4.4324	-	-
	14.66667	13.00000	105.06825			Point lies within an excavation.			
	15.33333	13.00000	105.06825			Point lies within an excavation.			
	16.00000	13.00000	105.06825			Point lies within an excavation.			
	16.66667	13.00000	105.06825			Point lies within an excavation.			
	17.33333	13.00000	105.06825			Point lies within an excavation.			
	18.00000	13.00000	105.06825			Point lies within an excavation.			
	18.66667	13.00000	105.06825			Point lies within an excavation.			
	19.33333	13.00000	105.06825			Point lies within an excavation.			
	20.00000	13.00000	105.06825			Point lies within an excavation.			
	20.66667	13.00000	105.06825			Point lies within an excavation.			
	21.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	22.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	22.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	23.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	24.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	24.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	25.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	26.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	26.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	27.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	28.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	28.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	29.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	30.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	30.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	31.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	32.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	32.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	33.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	34.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	34.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	35.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	36.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	36.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	37.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	38.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	38.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	39.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	40.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	40.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	41.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	42.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	42.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	43.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	44.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	44.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	45.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	46.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	46.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	47.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	48.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	48.66667	13.00000	105.06825		0.0	0.0	0.0	-	-
	49.33333	13.00000	105.06825		0.0	0.0	0.0	-	-
	50.00000	13.00000	105.06825		0.0	0.0	0.0	-	-
	0.00000	14.00000	105.07350		1.7108	-0.13195	0.23075	-	-
	0.66667	14.00000	105.07350		2.1128	-0.16057	0.30700	-	-
	1.33333	14.00000	105.07350		2.5103	-0.18623	0.41514	-	-
	2.00000	14.00000	105.07350		2.9028	-0.20864	0.56195	-	-
	2.66667	14.00000	105.07350		3.2893	-0.22748	0.75169	-	-
	3.33333	14.00000	105.07350		3.6691	-0.24240	0.98611	-	-
	4.00000	14.00000	105.07350		4.0409	-0.25301	1.2645	-	-
	4.66667	14.00000	105.07350		4.4034	-0.25890	1.5834	-	-
	5.33333	14.00000	105.07350		4.7549	-0.25966	1.9373	-	-
	6.00000	14.00000	105.07350		5.0932	-0.25488	2.3673	-	-
	6.66667	14.00000	105.07350		5.4156	-0.24421	2.8476	-	-
	7.33333	14.00000	105.07350		5.7189	-0.22745	3.3259	-	-
	8.00000	14.00000	105.07350		6.1161	-0.24081	3.8057	-	-
	8.66667	14.00000	105.07350		6.5902	-0.26165	4.2574	-	-
	9.33333	14.00000	105.07350		7.0576	-0.26228	4.6651	-	-
	10.00000	14.00000	105.07350		7.4722	-0.26021	5.0221	-	-
	10.66667	14.00000	105.07350		7.8210	-0.26227	5.3148	-	-
	11.33333	14.00000	105.07350		8.0878	-0.28171	5.5216	-	-
	12.00000	14.00000	105.07350		8.2552	-0.34283	5.6139	-	-
	12.66667	14.00000	105.07350		8.3102	-0.48727	5.5556	-	-
	13.33333	14.00000	105.07350		8.2593	-0.77986	5.3056	-	-
	14.00000	14.00000	105.07350		8.1572	-1.3033	4.8211	-	-
	14.66667	14.00000	105.07350		8.1387	-2.1190	4.0664	-	-
	15.33333	14.00000	105.07350			Point lies within an excavation.			
	16.00000	14.00000	105.07350			Point lies within an excavation.			
	16.66667	14.00000	105.07350			Point lies within an excavation.			
	17.33333	14.00000	105.07350			Point lies within an excavation.			
	18.00000	14.00000	105.07350			Point lies within an excavation.			
	18.66667	14.00000	105.07350			Point lies within an excavation.			
	19.33333	14.00000	105.07350			Point lies within an excavation.			
	20.00000	14.00000	105.07350			Point lies within an excavation.			
	20.66667	14.00000	105.07350			Point lies within an excavation.			
	21.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	22.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	22.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	23.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	24.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	24.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	25.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	26.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	26.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	27.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	28.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	28.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	29.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	30.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	30.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	31.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	32.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	32.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	33.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	34.00000	14.00000	105.07350		0.0	0.0	0.0	-	-
	34.66667	14.00000	105.07350		0.0	0.0	0.0	-	-
	35.33333	14.00000	105.07350		0.0	0.0	0.0	-	-
	36.00000	14.00000	105.07350		0.0	0.0	0.0	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to x Axis: Perpendicular to Line
	36.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	37.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	38.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	38.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	39.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	40.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	40.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	41.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	42.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	42.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	43.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	44.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	44.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	45.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	46.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	46.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	47.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	48.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	48.66667	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	49.33333	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	50.00000	14.00000	105.07350	0.0	0.0	0.0	-	-	-
	0.00000	15.00000	105.07875	1.7030	-0.13757	0.22815	-	-	-
	0.66667	15.00000	105.07875	2.1215	-0.17731	0.30276	-	-	-
	1.33333	15.00000	105.07875	2.5370	-0.21460	0.40888	-	-	-
	2.00000	15.00000	105.07875	2.9492	-0.24915	0.55418	-	-	-
	2.66667	15.00000	105.07875	3.3576	-0.28062	0.74379	-	-	-
	3.33333	15.00000	105.07875	3.7614	-0.30860	0.98030	-	-	-
	4.00000	15.00000	105.07875	4.1599	-0.33264	1.2638	-	-	-
	4.66667	15.00000	105.07875	4.5522	-0.35219	1.5917	-	-	-
	5.33333	15.00000	105.07875	4.9370	-0.36661	1.9590	-	-	-
	6.00000	15.00000	105.07875	5.3127	-0.37516	2.4497	-	-	-
	6.66667	15.00000	105.07875	5.6772	-0.37699	2.9653	-	-	-
	7.33333	15.00000	105.07875	6.0281	-0.37110	3.4866	-	-	-
	8.00000	15.00000	105.07875	6.3618	-0.35637	3.9975	-	-	-
	8.66667	15.00000	105.07875	6.9342	-0.36908	4.5094	-	-	-
	9.33333	15.00000	105.07875	7.4859	-0.36853	4.9734	-	-	-
	10.00000	15.00000	105.07875	7.9954	-0.35183	5.3850	-	-	-
	10.66667	15.00000	105.07875	8.4478	-0.31842	5.7328	-	-	-
	11.33333	15.00000	105.07875	8.8207	-0.27093	5.9960	-	-	-
	12.00000	15.00000	105.07875	9.0810	-0.22003	6.1443	-	-	-
	12.66667	15.00000	105.07875	9.1817	-0.19534	6.1356	-	-	-
	13.33333	15.00000	105.07875	9.0671	-0.26926	5.9146	-	-	-
	14.00000	15.00000	105.07875	8.7104	-0.59841	5.4130	-	-	-
	14.66667	15.00000	105.07875	8.2459	-1.4419	4.5602	-	-	-
	15.33333	15.00000	105.07875	Point lies within an excavation.					
	16.00000	15.00000	105.07875	Point lies within an excavation.					
	16.66667	15.00000	105.07875	Point lies within an excavation.					
	17.33333	15.00000	105.07875	Point lies within an excavation.					
	18.00000	15.00000	105.07875	Point lies within an excavation.					
	18.66667	15.00000	105.07875	Point lies within an excavation.					
	19.33333	15.00000	105.07875	Point lies within an excavation.					
	20.00000	15.00000	105.07875	Point lies within an excavation.					
	20.66667	15.00000	105.07875	Point lies within an excavation.					
	21.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	22.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	22.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	23.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	24.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	24.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	25.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	26.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	26.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	27.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	28.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	28.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	29.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	30.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	30.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	31.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	32.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	32.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	33.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	34.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	34.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	35.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	36.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	36.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	37.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	38.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	38.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	39.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	40.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	40.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	41.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	42.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	42.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	43.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	44.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	44.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	45.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	46.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	46.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	47.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	48.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	48.66667	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	49.33333	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	50.00000	15.00000	105.07875	0.0	0.0	0.0	-	-	-
	0.00000	16.00000	105.08400	1.6793	-0.15673	0.22598	-	-	-
	0.66667	16.00000	105.08400	2.1134	-0.21045	0.29949	-	-	-
	1.33333	16.00000	105.08400	2.5462	-0.26272	0.40354	-	-	-
	2.00000	16.00000	105.08400	2.9774	-0.31334	0.54674	-	-	-
	2.66667	16.00000	105.08400	3.4068	-0.36208	0.73516	-	-	-
	3.33333	16.00000	105.08400	3.8340	-0.40865	0.97231	-	-	-
	4.00000	16.00000	105.08400	4.2588	-0.45271	1.2592	-	-	-
	4.66667	16.00000	105.08400	4.6806	-0.49384	1.5942	-	-	-
	5.33333	16.00000	105.08400	5.0988	-0.53154	1.9902	-	-	-
	6.00000	16.00000	105.08400	5.5126	-0.56517	2.5141	-	-	-
	6.66667	16.00000	105.08400	5.9212	-0.59392	3.0646	-	-	-
	7.33333	16.00000	105.08400	6.3230	-0.61679	3.6296	-	-	-
	8.00000	16.00000	105.08400	6.7381	-0.62960	4.1940	-	-	-
	8.66667	16.00000	105.08400	7.2753	-0.64263	4.7520	-	-	-
	9.33333	16.00000	105.08400	7.9302	-0.68251	5.2888	-	-	-
	10.00000	16.00000	105.08400	8.5656	-0.70423	5.7744	-	-	-
	10.66667	16.00000	105.08400	9.1733	-0.70210	6.2018	-	-	-
	11.33333	16.00000	105.08400	9.7386	-0.66838	6.5551	-	-	-
	12.00000	16.00000	105.08400	10.235	-0.59292	6.8072	-	-	-
	12.66667	16.00000	105.08400	10.612	-0.46438	6.9170	-	-	-
	13.33333	16.00000	105.08400	10.770	-0.27982	6.8221	-	-	-
	14.00000	16.00000	105.08400	10.506	-0.096552	6.4202	-	-	-
	14.66667	16.00000	105.08400	9.4727	-0.28856	5.5238	-	-	-
	15.33333	16.00000	105.08400	Point lies within an excavation.					
	16.00000	16.00000	105.08400	Point lies within an excavation.					
	16.66667	16.00000	105.08400	Point lies within an excavation.					
	17.33333	16.00000	105.08400	Point lies within an excavation.					
	18.00000	16.00000	105.08400	Point lies within an excavation.					
	18.66667	16.00000	105.08400	Point lies within an excavation.					
	19.33333	16.00000	105.08400	Point lies within an excavation.					
	20.00000	16.00000	105.08400	Point lies within an excavation.					
	20.66667	16.00000	105.08400	Point lies within an excavation.					
	21.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	22.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	22.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	23.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	24.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	24.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	25.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	26.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	26.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	27.33333	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	28.00000	16.00000	105.08400	0.0	0.0	0.0	-	-	-
	28.66667	16.00000	105.08400	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to x Axis: to Line
	29.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	30.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	30.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	31.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	32.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	32.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	33.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	34.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	34.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	35.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	36.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	36.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	37.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	38.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	38.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	39.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	40.00000	16.00000	105.08400		-25.708E-6	4.4709E-6	11.763E-6	-	-
	40.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	41.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	42.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	42.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	43.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	44.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	44.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	45.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	46.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	46.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	47.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	48.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	48.66667	16.00000	105.08400		0.0	0.0	0.0	-	-
	49.33333	16.00000	105.08400		0.0	0.0	0.0	-	-
	50.00000	16.00000	105.08400		0.0	0.0	0.0	-	-
	0.00000	17.00000	105.08925		1.6346	-0.18636	0.22247	-	-
	0.66667	17.00000	105.08925		2.0829	-0.25663	0.29508	-	-
	1.33333	17.00000	105.08925		2.5311	-0.32690	0.39652	-	-
	2.00000	17.00000	105.08925		2.9793	-0.39717	0.53638	-	-
	2.66667	17.00000	105.08925		3.4276	-0.46744	0.72175	-	-
	3.33333	17.00000	105.08925		3.8758	-0.53771	0.95715	-	-
	4.00000	17.00000	105.08925		4.3241	-0.60798	1.2446	-	-
	4.66667	17.00000	105.08925		4.7723	-0.67825	1.5835	-	-
	5.33333	17.00000	105.08925		5.2205	-0.74852	1.9977	-	-
	6.00000	17.00000	105.08925		5.6688	-0.81879	2.5450	-	-
	6.66667	17.00000	105.08925		6.1170	-0.88906	3.1269	-	-
	7.33333	17.00000	105.08925		6.5653	-0.95933	3.7327	-	-
	8.00000	17.00000	105.08925		7.0479	-1.0296	4.3490	-	-
	8.66667	17.00000	105.08925		7.6003	-1.0999	4.9602	-	-
	9.33333	17.00000	105.08925		8.2914	-1.2118	5.5703	-	-
	10.00000	17.00000	105.08925		9.0492	-1.3426	6.1445	-	-
	10.66667	17.00000	105.08925		9.8151	-1.4733	6.6711	-	-
	11.33333	17.00000	105.08925		10.592	-1.6041	7.1430	-	-
	12.00000	17.00000	105.08925		11.381	-1.7348	7.5455	-	-
	12.66667	17.00000	105.08925		12.186	-1.8656	7.8555	-	-
	13.33333	17.00000	105.08925		13.009	-1.9963	8.0415	-	-
	14.00000	17.00000	105.08925		13.852	-2.1271	8.0633	-	-
	14.66667	17.00000	105.08925		14.718	-2.2579	7.8714	-	-
	15.33333	17.00000	105.08925		15.609	-2.3886	7.4071	-	-
	16.00000	17.00000	105.08925		Point lies within an excavation.				
	16.66667	17.00000	105.08925		Point lies within an excavation.				
	17.33333	17.00000	105.08925		Point lies within an excavation.				
	18.00000	17.00000	105.08925		Point lies within an excavation.				
	18.66667	17.00000	105.08925		Point lies within an excavation.				
	19.33333	17.00000	105.08925		Point lies within an excavation.				
	20.00000	17.00000	105.08925		Point lies within an excavation.				
	20.66667	17.00000	105.08925		Point lies within an excavation.				
	21.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	22.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	22.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	23.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	24.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	24.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	25.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	26.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	26.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	27.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	28.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	28.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	29.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	30.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	30.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	31.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	32.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	32.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	33.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	34.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	34.66667	17.00000	105.08925		-0.014772	0.0024872	0.0029103	-	-
	35.33333	17.00000	105.08925		-0.025090	0.0040192	0.0043809	-	-
	36.00000	17.00000	105.08925		-0.029797	0.0045524	0.0046879	-	-
	36.66667	17.00000	105.08925		-0.029598	0.0043218	0.0042854	-	-
	37.33333	17.00000	105.08925		-0.025084	0.0035075	0.0033741	-	-
	38.00000	17.00000	105.08925		-0.021362	0.0028656	0.0028340	-	-
	38.66667	17.00000	105.08925		-0.016729	0.0021564	0.0024375	-	-
	39.33333	17.00000	105.08925		-0.010384	0.0012882	0.0018091	-	-
	40.00000	17.00000	105.08925		-0.0025069	299.74E-6	639.05E-6	-	-
	40.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	41.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	42.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	42.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	43.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	44.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	44.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	45.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	46.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	46.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	47.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	48.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	48.66667	17.00000	105.08925		0.0	0.0	0.0	-	-
	49.33333	17.00000	105.08925		0.0	0.0	0.0	-	-
	50.00000	17.00000	105.08925		0.0	0.0	0.0	-	-
	0.00000	18.00000	105.09450		1.5647	-0.22216	0.21608	-	-
	0.66667	18.00000	105.09450		2.0247	-0.31099	0.28774	-	-
	1.33333	18.00000	105.09450		2.4858	-0.40163	0.38564	-	-
	2.00000	18.00000	105.09450		2.9481	-0.49435	0.52041	-	-
	2.66667	18.00000	105.09450		3.4117	-0.58948	0.70018	-	-
	3.33333	18.00000	105.09450		3.8768	-0.68745	0.93055	-	-
	4.00000	18.00000	105.09450		4.3437	-0.78876	1.2146	-	-
	4.66667	18.00000	105.09450		4.8127	-0.89403	1.5529	-	-
	5.33333	18.00000	105.09450		5.2842	-1.0041	1.9632	-	-
	6.00000	18.00000	105.09450		5.7585	-1.1200	2.5273	-	-
	6.66667	18.00000	105.09450		6.2362	-1.2431	3.1336	-	-
	7.33333	18.00000	105.09450		6.7181	-1.3752	3.7731	-	-
	8.00000	18.00000	105.09450		7.2314	-1.5223	4.4343	-	-
	8.66667	18.00000	105.09450		7.8375	-1.6975	5.1038	-	-
	9.33333	18.00000	105.09450		8.4664	-1.9002	5.7682	-	-
	10.00000	18.00000	105.09450		9.2989	-2.1942	6.4358	-	-
	10.66667	18.00000	105.09450		10.155	-2.4520	7.0750	-	-
	11.33333	18.00000	105.09450		11.033	-2.6676	7.6642	-	-
	12.00000	18.00000	105.09450		11.932	-2.8873	8.1814	-	-
	12.66667	18.00000	105.09450		12.683	-3.2467	8.5393	-	-
	13.33333	18.00000	105.09450		13.061	-3.8488	8.6306	-	-
	14.00000	18.00000	105.09450		12.963	-4.5633	8.4041	-	-
	14.66667	18.00000	105.09450		11.911	-5.1086	7.6651	-	-
	15.33333	18.00000	105.09450		9.8782	-4.0849	6.1239	-	-
	16.00000	18.00000	105.09450		Point lies within an excavation.				
	16.66667	18.00000	105.09450		Point lies within an excavation.				
	17.33333	18.00000	105.09450		Point lies within an excavation.				
	18.00000	18.00000	105.09450		Point lies within an excavation.				
	18.66667	18.00000	105.09450		Point lies within an excavation.				
	19.33333	18.00000	105.09450		Point lies within an excavation.				
	20.00000	18.00000	105.09450		Point lies within an excavation.				
	20.66667	18.00000	105.09450		Point lies within an excavation.				
	21.33333	18.00000	105.09450		Point lies within an excavation.				

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Along the Line	Perpendicular to Line	Angle of Line to x Axis
	22.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	22.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	23.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	24.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	24.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	25.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	26.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	26.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	27.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	28.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	28.66667	18.00000	105.09450		-0.029713	0.0050455	0.015846	-	-	-
	29.33333	18.00000	105.09450		-0.089366	0.013867	0.044194	-	-	-
	30.00000	18.00000	105.09450		-0.13186	0.018838	0.059909	-	-	-
	30.66667	18.00000	105.09450		-0.16080	0.021282	0.066488	-	-	-
	31.33333	18.00000	105.09450		-0.17883	0.022048	0.066671	-	-	-
	32.00000	18.00000	105.09450		-0.18799	0.021691	0.062619	-	-	-
	32.66667	18.00000	105.09450		-0.18983	0.020584	0.056031	-	-	-
	33.33333	18.00000	105.09450		-0.18556	0.018977	0.048212	-	-	-
	34.00000	18.00000	105.09450		-0.17614	0.017046	0.040132	-	-	-
	34.66667	18.00000	105.09450		-0.16235	0.014910	0.032464	-	-	-
	35.33333	18.00000	105.09450		-0.14482	0.012654	0.025602	-	-	-
	36.00000	18.00000	105.09450		-0.12404	0.010337	0.019687	-	-	-
	36.66667	18.00000	105.09450		-0.10046	0.0080011	0.014621	-	-	-
	37.33333	18.00000	105.09450		-0.074415	0.0056758	0.010072	-	-	-
	38.00000	18.00000	105.09450		-0.053376	0.0040519	0.0072501	-	-	-
	38.66667	18.00000	105.09450		-0.040303	0.0028338	0.0057256	-	-	-
	39.33333	18.00000	105.09450		-0.024267	0.0016421	0.0040750	-	-	-
	40.00000	18.00000	105.09450		-0.0073705	480.69E-6	0.0016892	-	-	-
	40.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	41.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	42.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	42.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	43.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	44.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	44.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	45.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	46.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	46.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	47.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	48.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	48.66667	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	49.33333	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	50.00000	18.00000	105.09450		0.0	0.0	0.0	-	-	-
	0.00000	19.00000	105.09975		1.4660	-0.25882	0.20560	-	-	-
	0.66667	19.00000	105.09975		1.9350	-0.36745	0.27620	-	-	-
	1.33333	19.00000	105.09975		2.4056	-0.47989	0.36945	-	-	-
	2.00000	19.00000	105.09975		2.8781	-0.59673	0.49705	-	-	-
	2.66667	19.00000	105.09975		3.3526	-0.71869	0.66820	-	-	-
	3.33333	19.00000	105.09975		3.8293	-0.84664	0.88957	-	-	-
	4.00000	19.00000	105.09975		4.3087	-0.98166	1.1654	-	-	-
	4.66667	19.00000	105.09975		4.7909	-1.1251	1.4973	-	-	-
	5.33333	19.00000	105.09975		5.2666	-1.2545	1.9209	-	-	-
	6.00000	19.00000	105.09975		5.7364	-1.3701	2.5616	-	-	-
	6.66667	19.00000	105.09975		6.2063	-1.4856	3.2434	-	-	-
	7.33333	19.00000	105.09975		6.7532	-1.6156	3.9569	-	-	-
	8.00000	19.00000	105.09975		7.3930	-1.7630	4.6900	-	-	-
	8.66667	19.00000	105.09975		8.0404	-1.9119	5.4281	-	-	-
	9.33333	19.00000	105.09975		8.6624	-2.0922	6.1391	-	-	-
	10.00000	19.00000	105.09975		9.2866	-2.3748	6.7902	-	-	-
	10.66667	19.00000	105.09975		9.9662	-2.7301	7.3731	-	-	-
	11.33333	19.00000	105.09975		10.563	-3.1257	7.8565	-	-	-
	12.00000	19.00000	105.09975		11.035	-3.5587	8.2196	-	-	-
	12.66667	19.00000	105.09975		11.323	-4.0105	8.4261	-	-	-
	13.33333	19.00000	105.09975		11.343	-4.4222	8.4225	-	-	-
	14.00000	19.00000	105.09975		11.023	-4.6464	8.1416	-	-	-
	14.66667	19.00000	105.09975		10.422	-4.4025	7.5180	-	-	-
	15.33333	19.00000	105.09975		9.9781	-3.4351	6.5393	-	-	-
	16.00000	19.00000	105.09975		Point lies within an excavation.					
	16.66667	19.00000	105.09975		Point lies within an excavation.					
	17.33333	19.00000	105.09975		Point lies within an excavation.					
	18.00000	19.00000	105.09975		Point lies within an excavation.					
	18.66667	19.00000	105.09975		Point lies within an excavation.					
	19.33333	19.00000	105.09975		Point lies within an excavation.					
	20.00000	19.00000	105.09975		Point lies within an excavation.					
	20.66667	19.00000	105.09975		Point lies within an excavation.					
	21.33333	19.00000	105.09975		Point lies within an excavation.					
	22.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	22.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	23.33333	19.00000	105.09975		-0.42294	0.048801	0.27872	-	-	-
	24.00000	19.00000	105.09975		-0.62202	0.051835	0.41475	-	-	-
	24.66667	19.00000	105.09975		-0.71249	0.046467	0.47505	-	-	-
	25.33333	19.00000	105.09975		-0.75201	0.040286	0.49559	-	-	-
	26.00000	19.00000	105.09975		-0.76362	0.034710	0.49196	-	-	-
	26.66667	19.00000	105.09975		-0.75829	0.029933	0.47260	-	-	-
	27.33333	19.00000	105.09975		-0.74193	0.025881	0.44281	-	-	-
	28.00000	19.00000	105.09975		-0.71797	0.022437	0.40631	-	-	-
	28.66667	19.00000	105.09975		-0.68858	0.019488	0.36588	-	-	-
	29.33333	19.00000	105.09975		-0.65514	0.016943	0.32366	-	-	-
	30.00000	19.00000	105.09975		-0.61864	0.014729	0.28139	-	-	-
	30.66667	19.00000	105.09975		-0.57973	0.012788	0.24040	-	-	-
	31.33333	19.00000	105.09975		-0.53892	0.011074	0.20177	-	-	-
	32.00000	19.00000	105.09975		-0.49657	0.0095495	0.16629	-	-	-
	32.66667	19.00000	105.09975		-0.45297	0.0081862	0.13452	-	-	-
	33.33333	19.00000	105.09975		-0.40832	0.0069599	0.10679	-	-	-
	34.00000	19.00000	105.09975		-0.36279	0.0058514	0.083208	-	-	-
	34.66667	19.00000	105.09975		-0.31652	0.0048447	0.063686	-	-	-
	35.33333	19.00000	105.09975		-0.26962	0.0039264	0.047917	-	-	-
	36.00000	19.00000	105.09975		-0.22217	0.0030856	0.035395	-	-	-
	36.66667	19.00000	105.09975		-0.17424	0.0023130	0.025417	-	-	-
	37.33333	19.00000	105.09975		-0.12591	0.0016005	0.017080	-	-	-
	38.00000	19.00000	105.09975		-0.090422	0.0011027	0.011781	-	-	-
	38.66667	19.00000	105.09975		-0.064616	757.22E-6	0.0090888	-	-	-
	39.33333	19.00000	105.09975		-0.038649	435.89E-6	0.0063959	-	-	-
	40.00000	19.00000	105.09975		-0.012538	136.28E-6	0.0027811	-	-	-
	40.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	41.33333	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	42.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	42.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	43.33333	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	44.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	44.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	45.33333	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	46.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	46.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	47.33333	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	48.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	48.66667	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	49.33333	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	50.00000	19.00000	105.09975		0.0	0.0	0.0	-	-	-
	0.00000	20.00000	105.10500		1.3341	-0.28494	0.18978	-	-	-
	0.66667	20.00000	105.10500		1.8040	-0.40049	0.25839	-	-	-
	1.33333	20.00000	105.10500		2.2739	-0.51604	0.34433	-	-	-
	2.00000	20.00000	105.10500		2.7438	-0.63160	0.46005	-	-	-
	2.66667	20.00000	105.10500		3.2137	-0.74715	0.61535	-	-	-
	3.33333	20.00000	105.10500		3.6836	-0.86270	0.84194	-	-	-
	4.00000	20.00000	105.10500		4.1534	-0.97826	1.3091	-	-	-
	4.66667	20.00000	105.10500		4.6233	-1.0938	1.8296	-	-	-
	5.33333	20.00000	105.10500		5.0932	-1.2094	2.4029	-	-	-
	6.00000	20.00000	105.10500		5.6934	-1.3594	3.0234	-	-	-
	6.66667	20.00000	105.10500		6.2784	-1.5491	3.6744	-	-	-
	7.33333	20.00000	105.10500		6.8498	-1.7509	4.3498	-	-	-
	8.00000	20.00000	105.10500		7.4055	-1.9662	5.0352	-	-	-
	8.66667	20.00000	105.10500		7.9413	-2.1961	5.7132	-	-	-
	9.33333	20.00000	105.10500		8.4508	-2.4409	6.3639	-	-	-
	10.00000	20.00000	105.10500		8.9246	-2.6999	6.9645	-	-	-
	10.66667	20.00000	105.10500		9.4573	-3.0347	7.5101	-	-	-
	11.33333	20.00000	105.10500		9.9282	-3.3946	7.9564	-	-	-
	12.00000	20.00000	105.10500		10.277	-3.7414	8.2816	-	-	-
	12.66667	20.00000	105.10500		10.478	-4.0363	8.4605	-	-	-
	13.33333	20.00000	105.10500		10.516	-4.2131	8.4609	-	-	-
	14.00000	20.00000	105.10500		10.422	-4.1779	8.2501	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to x Axis: to Line
	14.66667	20.00000	105.10500	10.312	-3.8396	7.8067	-	-	-
	15.33333	20.00000	105.10500	10.390	-3.1930	7.1354	-	-	-
	16.00000	20.00000	105.10500	10.840	-2.3938	6.2715	-	-	-
	16.66667	20.00000	105.10500	Point lies within an excavation.					
	17.33333	20.00000	105.10500	-2.2494	-12.147	7.1672	-	-	-
	18.00000	20.00000	105.10500	-2.2337	-12.062	7.2122	-	-	-
	18.66667	20.00000	105.10500	-2.2181	-11.978	7.2509	-	-	-
	19.33333	20.00000	105.10500	-2.2024	-11.893	7.2836	-	-	-
	20.00000	20.00000	105.10500	-2.1867	-11.808	7.3104	-	-	-
	20.66667	20.00000	105.10500	-2.1711	-11.724	7.3315	-	-	-
	21.33333	20.00000	105.10500	-2.1554	-11.639	7.3470	-	-	-
	22.00000	20.00000	105.10500	-4.3026	-8.6051	6.0377	-	-	-
	22.66667	20.00000	105.10500	-4.7825	-3.5868	3.8480	-	-	-
	23.33333	20.00000	105.10500	-3.8836	-1.7924	2.8143	-	-	-
	24.00000	20.00000	105.10500	-3.1856	-1.0619	2.2339	-	-	-
	24.66667	20.00000	105.10500	-2.6929	-0.70249	1.8500	-	-	-
	25.33333	20.00000	105.10500	-2.3311	-0.49953	1.5656	-	-	-
	26.00000	20.00000	105.10500	-2.0522	-0.37313	1.3386	-	-	-
	26.66667	20.00000	105.10500	-1.8277	-0.28859	1.1484	-	-	-
	27.33333	20.00000	105.10500	-1.6405	-0.22890	0.98424	-	-	-
	28.00000	20.00000	105.10500	-1.4797	-0.18496	0.84006	-	-	-
	28.66667	20.00000	105.10500	-1.3384	-0.15152	0.71235	-	-	-
	29.33333	20.00000	105.10500	-1.2118	-0.12536	0.59897	-	-	-
	30.00000	20.00000	105.10500	-1.0966	-0.10444	0.49856	-	-	-
	30.66667	20.00000	105.10500	-0.99028	-0.087377	0.41015	-	-	-
	31.33333	20.00000	105.10500	-0.89111	-0.073242	0.33302	-	-	-
	32.00000	20.00000	105.10500	-0.79776	-0.061366	0.26654	-	-	-
	32.66667	20.00000	105.10500	-0.70920	-0.051268	0.21006	-	-	-
	33.33333	20.00000	105.10500	-0.62464	-0.042589	0.16290	-	-	-
	34.00000	20.00000	105.10500	-0.54344	-0.035061	0.12429	-	-	-
	34.66667	20.00000	105.10500	-0.46509	-0.028475	0.093331	-	-	-
	35.33333	20.00000	105.10500	-0.38920	-0.022672	0.069012	-	-	-
	36.00000	20.00000	105.10500	-0.31541	-0.017523	0.050168	-	-	-
	36.66667	20.00000	105.10500	-0.24347	-0.012927	0.035479	-	-	-
	37.33333	20.00000	105.10500	-0.17312	-0.0088030	0.023463	-	-	-
	38.00000	20.00000	105.10500	-0.12322	-0.0060105	0.016087	-	-	-
	38.66667	20.00000	105.10500	-0.086813	-0.0040693	0.012263	-	-	-
	39.33333	20.00000	105.10500	-0.051039	-0.0023025	0.0084991	-	-	-
	40.00000	20.00000	105.10500	-0.015828	-688.19E-6	0.0035586	-	-	-
	40.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	41.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	42.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	42.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	43.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	44.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	45.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	46.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	47.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	48.66667	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	49.33333	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	50.00000	20.00000	105.10500	0.0	0.0	0.0	-	-	-
	0.00000	21.00000	105.11025	1.1608	-0.23977	0.16569	-	-	-
	0.66667	21.00000	105.11025	1.6307	-0.35532	0.23356	-	-	-
	1.33333	21.00000	105.11025	2.1006	-0.47088	0.32038	-	-	-
	2.00000	21.00000	105.11025	2.5705	-0.58643	0.63855	-	-	-
	2.66667	21.00000	105.11025	3.0388	-0.70324	0.99245	-	-	-
	3.33333	21.00000	105.11025	3.4878	-0.83461	1.3881	-	-	-
	4.00000	21.00000	105.11025	3.9622	-0.97897	1.8308	-	-	-
	4.66667	21.00000	105.11025	4.5562	-1.1548	2.3218	-	-	-
	5.33333	21.00000	105.11025	5.1391	-1.3384	2.8593	-	-	-
	6.00000	21.00000	105.11025	5.7106	-1.5308	3.4385	-	-	-
	6.66667	21.00000	105.11025	6.2697	-1.7325	4.0518	-	-	-
	7.33333	21.00000	105.11025	6.8138	-1.9438	4.6885	-	-	-
	8.00000	21.00000	105.11025	7.3395	-2.1646	5.3353	-	-	-
	8.66667	21.00000	105.11025	7.8419	-2.3937	5.9764	-	-	-
	9.33333	21.00000	105.11025	8.3147	-2.6289	6.5938	-	-	-
	10.00000	21.00000	105.11025	8.7506	-2.8658	7.1674	-	-	-
	10.66667	21.00000	105.11025	9.1409	-3.0969	7.6757	-	-	-
	11.33333	21.00000	105.11025	9.5408	-3.3700	8.1103	-	-	-
	12.00000	21.00000	105.11025	9.8635	-3.6427	8.4249	-	-	-
	12.66667	21.00000	105.11025	9.9878	-4.0996	8.5245	-	-	-
	13.33333	21.00000	105.11025	9.9842	-4.6054	8.4838	-	-	-
	14.00000	21.00000	105.11025	9.8317	-5.2486	8.2972	-	-	-
	14.66667	21.00000	105.11025	9.4043	-6.2916	7.9818	-	-	-
	15.33333	21.00000	105.11025	8.0096	-8.3717	7.6158	-	-	-
	16.00000	21.00000	105.11025	2.7410	-11.570	7.4152	-	-	-
	16.66667	21.00000	105.11025	-2.1382	-11.546	7.3578	-	-	-
	17.33333	21.00000	105.11025	-2.1225	-11.462	7.3622	-	-	-
	18.00000	21.00000	105.11025	-2.1069	-11.377	7.3615	-	-	-
	18.66667	21.00000	105.11025	-2.0912	-11.293	7.3559	-	-	-
	19.33333	21.00000	105.11025	-2.0756	-11.208	7.3456	-	-	-
	20.00000	21.00000	105.11025	-2.0599	-11.124	7.3306	-	-	-
	20.66667	21.00000	105.11025	-2.0443	-11.039	7.3113	-	-	-
	21.33333	21.00000	105.11025	-2.0286	-10.954	7.2876	-	-	-
	22.00000	21.00000	105.11025	-2.3434	-10.545	7.0942	-	-	-
	22.66667	21.00000	105.11025	-4.2967	-7.2507	5.5708	-	-	-
	23.33333	21.00000	105.11025	-4.6026	-4.7796	4.4132	-	-	-
	24.00000	21.00000	105.11025	-4.2879	-3.2159	3.5678	-	-	-
	24.66667	21.00000	105.11025	-3.8322	-2.2493	2.9364	-	-	-
	25.33333	21.00000	105.11025	-3.3901	-1.6345	2.4465	-	-	-
	26.00000	21.00000	105.11025	-2.9992	-1.2269	2.0525	-	-	-
	26.66667	21.00000	105.11025	-2.6614	-0.94551	1.7266	-	-	-
	27.33333	21.00000	105.11025	-2.3698	-0.74399	1.4515	-	-	-
	28.00000	21.00000	105.11025	-2.1159	-0.59508	1.2162	-	-	-
	28.66667	21.00000	105.11025	-1.8925	-0.48205	1.0134	-	-	-
	29.33333	21.00000	105.11025	-1.6937	-0.39423	0.83827	-	-	-
	30.00000	21.00000	105.11025	-1.5150	-0.32464	0.68704	-	-	-
	30.66667	21.00000	105.11025	-1.3525	-0.26852	0.55708	-	-	-
	31.33333	21.00000	105.11025	-1.2036	-0.22258	0.44621	-	-	-
	32.00000	21.00000	105.11025	-1.0659	-0.18448	0.35259	-	-	-
	32.66667	21.00000	105.11025	-0.93758	-0.15250	0.27457	-	-	-
	33.33333	21.00000	105.11025	-0.81725	-0.12537	0.21055	-	-	-
	34.00000	21.00000	105.11025	-0.70372	-0.10215	0.15898	-	-	-
	34.66667	21.00000	105.11025	-0.59603	-0.082106	0.11824	-	-	-
	35.33333	21.00000	105.11025	-0.49339	-0.064668	0.086649	-	-	-
	36.00000	21.00000	105.11025	-0.39515	-0.049393	0.062419	-	-	-
	36.66667	21.00000	105.11025	-0.30075	-0.035930	0.043648	-	-	-
	37.33333	21.00000	105.11025	-0.20973	-0.023995	0.028298	-	-	-
	38.00000	21.00000	105.11025	-0.15052	-0.016521	0.019841	-	-	-
	38.66667	21.00000	105.11025	-0.10408	-0.010977	0.014983	-	-	-
	39.33333	21.00000	105.11025	-0.058987	-0.0059874	0.010098	-	-	-
	40.00000	21.00000	105.11025	-0.015096	-0.0014767	0.0036367	-	-	-
	40.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	41.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	42.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	42.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	43.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	44.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	45.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	46.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	47.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	48.66667	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	49.33333	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	50.00000	21.00000	105.11025	0.0	0.0	0.0	-	-	-
	0.00000	22.00000	105.11550	0.98617	-0.19519	0.34278	-	-	-
	0.66667	22.00000	105.11550	1.4482	-0.31544	0.62536	-	-	-
	1.33333	22.00000	105.11550	1.9029	-0.44009	0.91297	-	-	-
	2.00000	22.00000	105.11550	2.3492	-0.56943	1.2197	-	-	-
	2.66667	22.00000	105.11550	2.8851	-0.72235	1.5563	-	-	-
	3.33333	22.00000	105.11550	3.4795	-0.89350	1.9309	-	-	-
	4.00000	22.00000	105.11550	4.0648	-1.0707	2.3481	-	-	-
	4.66667	22.00000	105.11550	4.6410	-1.2545	2.8097	-	-	-
	5.33333	22.00000	105.11550	5.2073	-1.4452	3.3146	-	-	-
	6.00000	22.00000	105.11550	5.7624	-1.6428	3.8588	-	-	-
	6.66667	22.00000	105.11550	6.2976	-1.8516	4.4260	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	7.33333	22.00000	105.11550		6.7523	-2.1181	4.9279	-	-
	8.00000	22.00000	105.11550		7.1794	-2.4105	5.4385	-	-
	8.66667	22.00000	105.11550		7.5728	-2.7320	5.9440	-	-
	9.33333	22.00000	105.11550		7.9251	-3.0864	6.4289	-	-
	10.00000	22.00000	105.11550		8.2271	-3.4787	6.8762	-	-
	10.66667	22.00000	105.11550		8.4672	-3.9155	7.2690	-	-
	11.33333	22.00000	105.11550		8.6307	-4.4068	7.5905	-	-
	12.00000	22.00000	105.11550		8.7042	-4.9786	7.8282	-	-
	12.66667	22.00000	105.11550		8.6709	-5.6917	7.9755	-	-
	13.33333	22.00000	105.11550		8.4278	-6.5339	8.0169	-	-
	14.00000	22.00000	105.11550		7.8593	-7.5718	7.9598	-	-
	14.66667	22.00000	105.11550		6.7212	-8.8652	7.8255	-	-
	15.33333	22.00000	105.11550		4.5882	-10.299	7.6523	-	-
	16.00000	22.00000	105.11550		1.1639	-11.233	7.4764	-	-
	16.66667	22.00000	105.11550		-2.0169	-10.887	7.2721	-	-
	17.33333	22.00000	105.11550		-1.9957	-10.777	7.2245	-	-
	18.00000	22.00000	105.11550		-1.9801	-10.692	7.1884	-	-
	18.66667	22.00000	105.11550		-1.9644	-10.608	7.1486	-	-
	19.33333	22.00000	105.11550		-1.9488	-10.523	7.1052	-	-
	20.00000	22.00000	105.11550		-1.9331	-10.439	7.0584	-	-
	20.66667	22.00000	105.11550		-1.9174	-10.354	7.0083	-	-
	21.33333	22.00000	105.11550		-1.9018	-10.270	6.9550	-	-
	22.00000	22.00000	105.11550		-1.8861	-10.185	6.8987	-	-
	22.66667	22.00000	105.11550		-3.2226	-8.4594	6.0259	-	-
	23.33333	22.00000	105.11550		-4.0240	-6.5003	5.0747	-	-
	24.00000	22.00000	105.11550		-4.2100	-4.9116	4.2624	-	-
	24.66667	22.00000	105.11550		-4.0719	-3.7178	3.5833	-	-
	25.33333	22.00000	105.11550		-3.7933	-2.8450	3.0161	-	-
	26.00000	22.00000	105.11550		-3.4694	-2.2078	2.5392	-	-
	26.66667	22.00000	105.11550		-3.1442	-1.7376	2.1347	-	-
	27.33333	22.00000	105.11550		-2.8363	-1.3851	1.7889	-	-
	28.00000	22.00000	105.11550		-2.5516	-1.1163	1.4918	-	-
	28.66667	22.00000	105.11550		-2.2910	-0.90776	1.2361	-	-
	29.33333	22.00000	105.11550		-2.0530	-0.74332	1.0159	-	-
	30.00000	22.00000	105.11550		-1.8352	-0.61173	0.82707	-	-
	30.66667	22.00000	105.11550		-1.6352	-0.50498	0.66597	-	-
	31.33333	22.00000	105.11550		-1.4507	-0.41733	0.52969	-	-
	32.00000	22.00000	105.11550		-1.2797	-0.34455	0.41563	-	-
	32.66667	22.00000	105.11550		-1.1205	-0.28349	0.32144	-	-
	33.33333	22.00000	105.11550		-0.97139	-0.23181	0.24489	-	-
	34.00000	22.00000	105.11550		-0.83119	-0.18769	0.18378	-	-
	34.66667	22.00000	105.11550		-0.69878	-0.14974	0.13591	-	-
	35.33333	22.00000	105.11550		-0.57321	-0.11687	0.099049	-	-
	36.00000	22.00000	105.11550		-0.45366	-0.088212	0.070866	-	-
	36.66667	22.00000	105.11550		-0.33946	-0.063085	0.048940	-	-
	37.33333	22.00000	105.11550		-0.23000	-0.040932	0.030731	-	-
	38.00000	22.00000	105.11550		-0.16940	-0.028922	0.022775	-	-
	38.66667	22.00000	105.11550		-0.11385	-0.018679	0.016988	-	-
	39.33333	22.00000	105.11550		-0.060238	-0.0095113	0.010860	-	-
	40.00000	22.00000	105.11550		-0.0083601	-0.0012722	0.0025439	-	-
	40.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	41.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	42.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	42.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	43.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	44.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	44.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	45.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	46.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	46.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	47.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	48.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	48.66667	22.00000	105.11550		0.0	0.0	0.0	-	-
	49.33333	22.00000	105.11550		0.0	0.0	0.0	-	-
	50.00000	22.00000	105.11550		0.0	0.0	0.0	-	-
	0.00000	23.00000	105.12075		0.84089	-0.15767	0.93910	-	-
	0.66667	23.00000	105.12075		1.2487	-0.26978	1.2199	-	-
	1.33333	23.00000	105.12075		1.8432	-0.43126	1.4960	-	-
	2.00000	23.00000	105.12075		2.3835	-0.60384	1.7042	-	-
	2.66667	23.00000	105.12075		2.9134	-0.78893	1.9346	-	-
	3.33333	23.00000	105.12075		3.4318	-0.98788	2.1951	-	-
	4.00000	23.00000	105.12075		3.9372	-1.2022	2.4908	-	-
	4.66667	23.00000	105.12075		4.4279	-1.4336	2.8238	-	-
	5.33333	23.00000	105.12075		4.9014	-1.6841	3.1936	-	-
	6.00000	23.00000	105.12075		5.3549	-1.9557	3.5969	-	-
	6.66667	23.00000	105.12075		5.7847	-2.2510	4.0279	-	-
	7.33333	23.00000	105.12075		6.1863	-2.5726	4.4787	-	-
	8.00000	23.00000	105.12075		6.5540	-2.9238	4.9393	-	-
	8.66667	23.00000	105.12075		6.8811	-3.3084	5.3977	-	-
	9.33333	23.00000	105.12075		7.1587	-3.7308	5.8410	-	-
	10.00000	23.00000	105.12075		7.3757	-4.1966	6.2554	-	-
	10.66667	23.00000	105.12075		7.5178	-4.7128	6.6269	-	-
	11.33333	23.00000	105.12075		7.5651	-5.2888	6.9425	-	-
	12.00000	23.00000	105.12075		7.4898	-5.9365	7.1911	-	-
	12.66667	23.00000	105.12075		7.2498	-6.6699	7.3646	-	-
	13.33333	23.00000	105.12075		6.7806	-7.4998	7.4599	-	-
	14.00000	23.00000	105.12075		5.9867	-8.4199	7.4801	-	-
	14.66667	23.00000	105.12075		4.7464	-9.3750	7.4345	-	-
	15.33333	23.00000	105.12075		2.9610	-10.177	7.3306	-	-
	16.00000	23.00000	105.12075		0.69744	-10.559	7.1748	-	-
	16.66667	23.00000	105.12075		-1.7191	-10.307	6.9609	-	-
	17.33333	23.00000	105.12075		-1.8689	-10.092	6.8334	-	-
	18.00000	23.00000	105.12075		-1.8532	-10.008	6.7711	-	-
	18.66667	23.00000	105.12075		-1.8376	-9.9230	6.7062	-	-
	19.33333	23.00000	105.12075		-1.8219	-9.8384	6.6388	-	-
	20.00000	23.00000	105.12075		-1.8063	-9.7539	6.5690	-	-
	20.66667	23.00000	105.12075		-1.7906	-9.6693	6.4970	-	-
	21.33333	23.00000	105.12075		-1.7750	-9.5848	6.4227	-	-
	22.00000	23.00000	105.12075		-1.7593	-9.5002	6.3465	-	-
	22.66667	23.00000	105.12075		-2.4350	-8.6747	5.8951	-	-
	23.33333	23.00000	105.12075		-3.2903	-7.2132	5.1478	-	-
	24.00000	23.00000	105.12075		-3.7077	-5.8705	4.4516	-	-
	24.66667	23.00000	105.12075		-3.8158	-4.7283	3.8230	-	-
	25.33333	23.00000	105.12075		-3.7320	-3.7986	3.2656	-	-
	26.00000	23.00000	105.12075		-3.5414	-3.0585	2.7755	-	-
	26.66667	23.00000	105.12075		-3.2987	-2.4740	2.3464	-	-
	27.33333	23.00000	105.12075		-3.0361	-2.0123	1.9718	-	-
	28.00000	23.00000	105.12075		-2.7715	-1.6456	1.6455	-	-
	28.66667	23.00000	105.12075		-2.5144	-1.3521	1.3622	-	-
	29.33333	23.00000	105.12075		-2.2693	-1.1151	1.1173	-	-
	30.00000	23.00000	105.12075		-2.0380	-0.92197	0.90694	-	-
	30.66667	23.00000	105.12075		-1.8207	-0.76310	0.72766	-	-
	31.33333	23.00000	105.12075		-1.6169	-0.63125	0.57640	-	-
	32.00000	23.00000	105.12075		-1.4256	-0.52090	0.45033	-	-
	32.66667	23.00000	105.12075		-1.2459	-0.42780	0.34674	-	-
	33.33333	23.00000	105.12075		-1.0766	-0.34866	0.26304	-	-
	34.00000	23.00000	105.12075		-0.91673	-0.28093	0.19664	-	-
	34.66667	23.00000	105.12075		-0.76539	-0.22259	0.14490	-	-
	35.33333	23.00000	105.12075		-0.62170	-0.17202	0.10517	-	-
	36.00000	23.00000	105.12075		-0.48489	-0.12796	0.074700	-	-
	36.66667	23.00000	105.12075		-0.35428	-0.089354	0.050626	-	-
	37.33333	23.00000	105.12075		-0.24341	-0.058789	0.032424	-	-
	38.00000	23.00000	105.12075		-0.17739	-0.041104	0.024687	-	-
	38.66667	23.00000	105.12075		-0.11397	-0.025375	0.017997	-	-
	39.33333	23.00000	105.12075		-0.052882	-0.011332	0.010358	-	-
	40.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	40.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	41.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	42.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	42.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	43.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	44.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	44.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	45.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	46.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	46.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	47.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	48.00000	23.00000	105.12075		0.0	0.0	0.0	-	-
	48.66667	23.00000	105.12075		0.0	0.0	0.0	-	-
	49.33333	23.00000	105.12075		0.0	0.0	0.0	-	-
	50.00000	23.00000	105.12075		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	0.00000	24.00000	105.12600	0.75949	-0.17815	1.0204	-	-	-
	0.66667	24.00000	105.12600	1.0344	-0.26046	1.1798	-	-	-
	1.33333	24.00000	105.12600	1.5616	-0.44930	1.3699	-	-	-
	2.00000	24.00000	105.12600	2.0771	-0.65056	1.5632	-	-	-
	2.66667	24.00000	105.12600	2.5799	-0.86551	1.7711	-	-	-
	3.33333	24.00000	105.12600	3.0684	-1.0955	2.0022	-	-	-
	4.00000	24.00000	105.12600	3.5411	-1.3421	2.2620	-	-	-
	4.66667	24.00000	105.12600	3.9957	-1.6070	2.5534	-	-	-
	5.33333	24.00000	105.12600	4.4294	-1.8921	2.8768	-	-	-
	6.00000	24.00000	105.12600	4.8391	-2.1993	3.2300	-	-	-
	6.66667	24.00000	105.12600	5.2205	-2.5311	3.6086	-	-	-
	7.33333	24.00000	105.12600	5.5688	-2.8898	4.0060	-	-	-
	8.00000	24.00000	105.12600	5.8777	-3.2784	4.4139	-	-	-
	8.66667	24.00000	105.12600	6.1396	-3.6999	4.8226	-	-	-
	9.33333	24.00000	105.12600	6.3450	-4.1577	5.2212	-	-	-
	10.00000	24.00000	105.12600	6.4820	-4.6557	5.5982	-	-	-
	10.66667	24.00000	105.12600	6.5350	-5.1977	5.9422	-	-	-
	11.33333	24.00000	105.12600	6.4839	-5.7872	6.2425	-	-	-
	12.00000	24.00000	105.12600	6.3023	-6.4262	6.4898	-	-	-
	12.66667	24.00000	105.12600	5.9552	-7.1113	6.6770	-	-	-
	13.33333	24.00000	105.12600	5.3995	-7.8288	6.7997	-	-	-
	14.00000	24.00000	105.12600	4.5875	-8.5436	6.8567	-	-	-
	14.66667	24.00000	105.12600	3.4822	-9.1889	6.8487	-	-	-
	15.33333	24.00000	105.12600	2.0863	-9.6633	6.7774	-	-	-
	16.00000	24.00000	105.12600	0.47592	-9.8539	6.6427	-	-	-
	16.66667	24.00000	105.12600	-1.1945	-9.6879	6.4424	-	-	-
	17.33333	24.00000	105.12600	-1.7421	-9.4072	6.2604	-	-	-
	18.00000	24.00000	105.12600	-1.7264	-9.3227	6.1802	-	-	-
	18.66667	24.00000	105.12600	-1.7108	-9.2381	6.0984	-	-	-
	19.33333	24.00000	105.12600	-1.6951	-9.1536	6.0149	-	-	-
	20.00000	24.00000	105.12600	-1.6794	-9.0690	5.9300	-	-	-
	20.66667	24.00000	105.12600	-1.6638	-8.9845	5.8438	-	-	-
	21.33333	24.00000	105.12600	-1.6481	-8.8999	5.7562	-	-	-
	22.00000	24.00000	105.12600	-1.6325	-8.8154	5.6675	-	-	-
	22.66667	24.00000	105.12600	-1.8819	-8.4684	5.4486	-	-	-
	23.33333	24.00000	105.12600	-2.6595	-7.3649	4.8672	-	-	-
	24.00000	24.00000	105.12600	-3.1403	-6.2806	4.2953	-	-	-
	24.66667	24.00000	105.12600	-3.3766	-5.2850	3.7518	-	-	-
	25.33333	24.00000	105.12600	-3.4315	-4.4119	3.2478	-	-	-
	26.00000	24.00000	105.12600	-3.3627	-3.6684	2.7881	-	-	-
	26.66667	24.00000	105.12600	-3.2153	-3.0461	2.3739	-	-	-
	27.33333	24.00000	105.12600	-3.0218	-2.5299	2.0044	-	-	-
	28.00000	24.00000	105.12600	-2.8041	-2.1031	1.6773	-	-	-
	28.66667	24.00000	105.12600	-2.5765	-1.7501	1.3902	-	-	-
	29.33333	24.00000	105.12600	-2.3479	-1.4573	1.1401	-	-	-
	30.00000	24.00000	105.12600	-2.1234	-1.2134	0.92433	-	-	-
	30.66667	24.00000	105.12600	-1.9061	-1.0091	0.74014	-	-	-
	31.33333	24.00000	105.12600	-1.6975	-0.83712	0.58477	-	-	-
	32.00000	24.00000	105.12600	-1.4982	-0.69148	0.45552	-	-	-
	32.66667	24.00000	105.12600	-1.3083	-0.56744	0.34968	-	-	-
	33.33333	24.00000	105.12600	-1.1274	-0.46121	0.26453	-	-	-
	34.00000	24.00000	105.12600	-0.95517	-0.36974	0.19725	-	-	-
	34.66667	24.00000	105.12600	-0.79104	-0.29059	0.14500	-	-	-
	35.33333	24.00000	105.12600	-0.63443	-0.22174	0.10480	-	-	-
	36.00000	24.00000	105.12600	-0.48478	-0.16159	0.073597	-	-	-
	36.66667	24.00000	105.12600	-0.34154	-0.10881	0.048184	-	-	-
	37.33333	24.00000	105.12600	-0.24543	-0.074876	0.033516	-	-	-
	38.00000	24.00000	105.12600	-0.17271	-0.050549	0.025403	-	-	-
	38.66667	24.00000	105.12600	-0.10279	-0.028910	0.017639	-	-	-
	39.33333	24.00000	105.12600	-0.035449	-0.0095953	0.0079754	-	-	-
	40.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	40.66667	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	41.33333	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	42.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	42.66667	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	43.33333	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	44.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	44.66667	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	45.33333	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	46.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	46.66667	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	47.33333	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	48.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	48.66667	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	49.33333	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	50.00000	24.00000	105.12600	0.0	0.0	0.0	-	-	-
	0.00000	25.00000	105.13125	0.65576	-0.19430	0.92784	-	-	-
	0.66667	25.00000	105.13125	0.88207	-0.27257	1.0657	-	-	-
	1.33333	25.00000	105.13125	1.2474	-0.41899	1.2287	-	-	-
	2.00000	25.00000	105.13125	1.7376	-0.64340	1.4106	-	-	-
	2.66667	25.00000	105.13125	2.2127	-0.88192	1.5988	-	-	-
	3.33333	25.00000	105.13125	2.6713	-1.1358	1.8022	-	-	-
	4.00000	25.00000	105.13125	3.1112	-1.4065	2.0273	-	-	-
	4.66667	25.00000	105.13125	3.5302	-1.6955	2.2778	-	-	-
	5.33333	25.00000	105.13125	3.9251	-2.0044	2.5550	-	-	-
	6.00000	25.00000	105.13125	4.2926	-2.3349	2.8579	-	-	-
	6.66667	25.00000	105.13125	4.6283	-2.6888	3.1833	-	-	-
	7.33333	25.00000	105.13125	4.9269	-3.0679	3.5263	-	-	-
	8.00000	25.00000	105.13125	5.1821	-3.4742	3.8801	-	-	-
	8.66667	25.00000	105.13125	5.3864	-3.9094	4.2367	-	-	-
	9.33333	25.00000	105.13125	5.5303	-4.3752	4.5871	-	-	-
	10.00000	25.00000	105.13125	5.6026	-4.8725	4.9218	-	-	-
	10.66667	25.00000	105.13125	5.5892	-5.4014	5.2313	-	-	-
	11.33333	25.00000	105.13125	5.4733	-5.9599	5.5064	-	-	-
	12.00000	25.00000	105.13125	5.2350	-6.5423	5.7388	-	-	-
	12.66667	25.00000	105.13125	4.8518	-7.1370	5.9217	-	-	-
	13.33333	25.00000	105.13125	4.3010	-7.7230	6.0499	-	-	-
	14.00000	25.00000	105.13125	3.5650	-8.2664	6.1197	-	-	-
	14.66667	25.00000	105.13125	2.6406	-8.7199	6.1290	-	-	-
	15.33333	25.00000	105.13125	1.5497	-9.0272	6.0764	-	-	-
	16.00000	25.00000	105.13125	0.34730	-9.1361	5.9609	-	-	-
	16.66667	25.00000	105.13125	-0.88331	-9.0174	5.7820	-	-	-
	17.33333	25.00000	105.13125	-1.6176	-8.7333	5.5739	-	-	-
	18.00000	25.00000	105.13125	-1.5996	-8.6378	5.4779	-	-	-
	18.66667	25.00000	105.13125	-1.5839	-8.5533	5.3862	-	-	-
	19.33333	25.00000	105.13125	-1.5683	-8.4687	5.2938	-	-	-
	20.00000	25.00000	105.13125	-1.5526	-8.3842	5.2007	-	-	-
	20.66667	25.00000	105.13125	-1.5370	-8.2996	5.1070	-	-	-
	21.33333	25.00000	105.13125	-1.5213	-8.2151	5.0128	-	-	-
	22.00000	25.00000	105.13125	-1.5057	-8.1305	4.9182	-	-	-
	22.66667	25.00000	105.13125	-1.4900	-8.0460	4.8232	-	-	-
	23.33333	25.00000	105.13125	-2.1526	-7.2030	4.3779	-	-	-
	24.00000	25.00000	105.13125	-2.6206	-6.3332	3.9191	-	-	-
	24.66667	25.00000	105.13125	-2.9053	-5.4949	3.4669	-	-	-
	25.33333	25.00000	105.13125	-3.0386	-4.7207	3.0335	-	-	-
	26.00000	25.00000	105.13125	-3.0554	-4.0275	2.6268	-	-	-
	26.66667	25.00000	105.13125	-2.9874	-3.4198	2.2516	-	-	-
	27.33333	25.00000	105.13125	-2.8611	-2.8943	1.9103	-	-	-
	28.00000	25.00000	105.13125	-2.6968	-2.4439	1.6037	-	-	-
	28.66667	25.00000	105.13125	-2.5094	-2.0596	1.3315	-	-	-
	29.33333	25.00000	105.13125	-2.3095	-1.7322	1.0925	-	-	-
	30.00000	25.00000	105.13125	-2.1046	-1.4531	0.88535	-	-	-
	30.66667	25.00000	105.13125	-1.8993	-1.2150	0.70801	-	-	-
	31.33333	25.00000	105.13125	-1.6970	-1.0112	0.55836	-	-	-
	32.00000	25.00000	105.13125	-1.4995	-0.83627	0.43404	-	-	-
	32.66667	25.00000	105.13125	-1.3081	-0.68556	0.33251	-	-	-
	33.33333	25.00000	105.13125	-1.1233	-0.55525	0.25109	-	-	-
	34.00000	25.00000	105.13125	-0.94528	-0.44215	0.18695	-	-	-
	34.66667	25.00000	105.13125	-0.77412	-0.34361	0.13709	-	-	-
	35.33333	25.00000	105.13125	-0.60959	-0.25745	0.098386	-	-	-
	36.00000	25.00000	105.13125	-0.45144	-0.18183	0.067536	-	-	-
	36.66667	25.00000	105.13125	-0.31277	-0.12040	0.043390	-	-	-
	37.33333	25.00000	105.13125	-0.23201	-0.085528	0.033240	-	-	-
	38.00000	25.00000	105.13125	-0.15425	-0.054551	0.024661	-	-	-
	38.66667	25.00000	105.13125	-0.079297	-0.026949	0.015326	-	-	-
	39.33333	25.00000	105.13125	-0.0069711	-0.0022800	0.0027653	-	-	-
	40.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	40.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	41.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	42.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	42.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	43.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	44.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	44.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	45.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	46.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	46.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	47.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	48.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	48.66667	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	49.33333	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	50.00000	25.00000	105.13125	0.0	0.0	0.0	-	-	-
	0.00000	26.00000	105.13650	0.53418	-0.19125	0.82867	-	-	-
	0.66667	26.00000	105.13650	0.75150	-0.28060	0.95678	-	-	-
	1.33333	26.00000	105.13650	0.97825	-0.38165	1.0870	-	-	-
	2.00000	26.00000	105.13650	1.3735	-0.57968	1.2468	-	-	-
	2.66667	26.00000	105.13650	1.8218	-0.83575	1.4199	-	-	-
	3.33333	26.00000	105.13650	2.2513	-1.1068	1.5998	-	-	-
	4.00000	26.00000	105.13650	2.6600	-1.3940	1.7935	-	-	-
	4.66667	26.00000	105.13650	3.0454	-1.6985	2.0058	-	-	-
	5.33333	26.00000	105.13650	3.4044	-2.0215	2.2390	-	-	-
	6.00000	26.00000	105.13650	3.7334	-2.3643	2.4932	-	-	-
	6.66667	26.00000	105.13650	4.0281	-2.7279	2.7666	-	-	-
	7.33333	26.00000	105.13650	4.2836	-3.1134	3.0555	-	-	-
	8.00000	26.00000	105.13650	4.4937	-3.5216	3.3549	-	-	-
	8.66667	26.00000	105.13650	4.6514	-3.9528	3.6582	-	-	-
	9.33333	26.00000	105.13650	4.7484	-4.4068	3.9583	-	-	-
	10.00000	26.00000	105.13650	4.7752	-4.8823	4.2470	-	-	-
	10.66667	26.00000	105.13650	4.7206	-5.3763	4.5165	-	-	-
	11.33333	26.00000	105.13650	4.5725	-5.8835	4.7587	-	-	-
	12.00000	26.00000	105.13650	4.3177	-6.3952	4.9663	-	-	-
	12.66667	26.00000	105.13650	3.9440	-6.8976	5.1328	-	-	-
	13.33333	26.00000	105.13650	3.4418	-7.3711	5.2526	-	-	-
	14.00000	26.00000	105.13650	2.8079	-7.7899	5.3214	-	-	-
	14.66667	26.00000	105.13650	2.0497	-8.1228	5.3361	-	-	-
	15.33333	26.00000	105.13650	1.1891	-8.3380	5.2945	-	-	-
	16.00000	26.00000	105.13650	0.26374	-8.4091	5.1953	-	-	-
	16.66667	26.00000	105.13650	-0.67684	-8.3225	5.0388	-	-	-
	17.33333	26.00000	105.13650	-1.4985	-8.0897	4.8344	-	-	-
	18.00000	26.00000	105.13650	-1.4728	-7.9530	4.7185	-	-	-
	18.66667	26.00000	105.13650	-1.4571	-7.8684	4.6231	-	-	-
	19.33333	26.00000	105.13650	-1.4415	-7.7839	4.5277	-	-	-
	20.00000	26.00000	105.13650	-1.4258	-7.6993	4.4322	-	-	-
	20.66667	26.00000	105.13650	-1.4101	-7.6148	4.3369	-	-	-
	21.33333	26.00000	105.13650	-1.3945	-7.5302	4.2416	-	-	-
	22.00000	26.00000	105.13650	-1.3788	-7.4457	4.1466	-	-	-
	22.66667	26.00000	105.13650	-1.3632	-7.3611	4.0519	-	-	-
	23.33333	26.00000	105.13650	-1.7475	-6.8557	3.7776	-	-	-
	24.00000	26.00000	105.13650	-2.1724	-6.1551	3.4165	-	-	-
	24.66667	26.00000	105.13650	-2.4612	-5.4573	3.0508	-	-	-
	25.33333	26.00000	105.13650	-2.6294	-4.7892	2.6915	-	-	-
	26.00000	26.00000	105.13650	-2.6970	-4.1682	2.3468	-	-	-
	26.66667	26.00000	105.13650	-2.6850	-3.6036	2.0226	-	-	-
	27.33333	26.00000	105.13650	-2.6126	-3.0986	1.7230	-	-	-
	28.00000	26.00000	105.13650	-2.4961	-2.6521	1.4505	-	-	-
	28.66667	26.00000	105.13650	-2.3490	-2.2603	1.2062	-	-	-
	29.33333	26.00000	105.13650	-2.1815	-1.9182	0.99028	-	-	-
	30.00000	26.00000	105.13650	-2.0016	-1.6203	0.80222	-	-	-
	30.66667	26.00000	105.13650	-1.8150	-1.3612	0.64090	-	-	-
	31.33333	26.00000	105.13650	-1.6257	-1.1358	0.50475	-	-	-
	32.00000	26.00000	105.13650	-1.4368	-0.93948	0.39181	-	-	-
	32.66667	26.00000	105.13650	-1.2503	-0.76826	0.29981	-	-	-
	33.33333	26.00000	105.13650	-1.0675	-0.61864	0.22619	-	-	-
	34.00000	26.00000	105.13650	-0.88912	-0.48758	0.16817	-	-	-
	34.66667	26.00000	105.13650	-0.71578	-0.37250	0.12273	-	-	-
	35.33333	26.00000	105.13650	-0.54770	-0.27119	0.086628	-	-	-
	36.00000	26.00000	105.13650	-0.38492	-0.18177	0.056425	-	-	-
	36.66667	26.00000	105.13650	-0.28680	-0.12944	0.041321	-	-	-
	37.33333	26.00000	105.13650	-0.20283	-0.087662	0.031500	-	-	-
	38.00000	26.00000	105.13650	-0.12161	-0.050425	0.021918	-	-	-
	38.66667	26.00000	105.13650	-0.043039	-0.017149	0.010061	-	-	-
	39.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	40.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	40.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	41.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	42.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	42.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	43.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	44.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	44.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	45.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	46.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	46.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	47.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	48.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	48.66667	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	49.33333	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	50.00000	26.00000	105.13650	0.0	0.0	0.0	-	-	-
	0.00000	27.00000	105.14175	0.39788	-0.16701	0.72368	-	-	-
	0.66667	27.00000	105.14175	0.60579	-0.26520	0.84435	-	-	-
	1.33333	27.00000	105.14175	0.80889	-0.36999	0.96231	-	-	-
	2.00000	27.00000	105.14175	1.0587	-0.50699	1.0855	-	-	-
	2.66667	27.00000	105.14175	1.4159	-0.72676	1.2342	-	-	-
	3.33333	27.00000	105.14175	1.8184	-1.0088	1.3967	-	-	-
	4.00000	27.00000	105.14175	2.1985	-1.3058	1.5646	-	-	-
	4.66667	27.00000	105.14175	2.5535	-1.6183	1.7435	-	-	-
	5.33333	27.00000	105.14175	2.8805	-1.9473	1.9369	-	-	-
	6.00000	27.00000	105.14175	3.1762	-2.2934	2.1461	-	-	-
	6.66667	27.00000	105.14175	3.4364	-2.6569	2.3705	-	-	-
	7.33333	27.00000	105.14175	3.6565	-3.0382	2.6078	-	-	-
	8.00000	27.00000	105.14175	3.8313	-3.4369	2.8543	-	-	-
	8.66667	27.00000	105.14175	3.9546	-3.8523	3.1051	-	-	-
	9.33333	27.00000	105.14175	4.0197	-4.2827	3.3543	-	-	-
	10.00000	27.00000	105.14175	4.0191	-4.7253	3.5955	-	-	-
	10.66667	27.00000	105.14175	3.9448	-5.1755	3.8219	-	-	-
	11.33333	27.00000	105.14175	3.7888	-5.6268	4.0267	-	-	-
	12.00000	27.00000	105.14175	3.5436	-6.0699	4.2035	-	-	-
	12.66667	27.00000	105.14175	3.2034	-6.4922	4.3463	-	-	-
	13.33333	27.00000	105.14175	2.7656	-6.8780	4.4499	-	-	-
	14.00000	27.00000	105.14175	2.2330	-7.2086	4.5100	-	-	-
	14.66667	27.00000	105.14175	1.6154	-7.4639	4.5233	-	-	-
	15.33333	27.00000	105.14175	0.93081	-7.6250	4.4875	-	-	-
	16.00000	27.00000	105.14175	0.20526	-7.6774	4.4017	-	-	-
	16.66667	27.00000	105.14175	-0.52953	-7.6140	4.2660	-	-	-
	17.33333	27.00000	105.14175	-1.2401	-7.4374	4.0823	-	-	-
	18.00000	27.00000	105.14175	-1.3459	-7.2681	3.9481	-	-	-
	18.66667	27.00000	105.14175	-1.3303	-7.1836	3.8542	-	-	-
	19.33333	27.00000	105.14175	-1.3146	-7.0990	3.7608	-	-	-
	20.00000	27.00000	105.14175	-1.2990	-7.0145	3.6679	-	-	-
	20.66667	27.00000	105.14175	-1.2833	-6.9299	3.5756	-	-	-
	21.33333	27.00000	105.14175	-1.2677	-6.8454	3.4840	-	-	-
	22.00000	27.00000	105.14175	-1.2520	-6.7608	3.3932	-	-	-
	22.66667	27.00000	105.14175	-1.2363	-6.6763	3.3031	-	-	-
	23.33333	27.00000	105.14175	-1.4204	-6.3918	3.1370	-	-	-
	24.00000	27.00000	105.14175	-1.7920	-5.8240	2.8582	-	-	-
	24.66667	27.00000	105.14175	-2.0622	-5.2452	2.5700	-	-	-
	25.33333	27.00000	105.14175	-2.2381	-4.6760	2.2811	-	-	-
	26.00000	27.00000	105.14175	-2.3307	-4.1318	1.9992	-	-	-
	26.66667	27.00000	105.14175	-2.3533	-3.6228	1.7302	-	-	-
	27.33333	27.00000	105.14175	-2.3189	-3.1548	1.4785	-	-	-
	28.00000	27.00000	105.14175	-2.2400	-2.7301	1.2472	-	-	-
	28.66667	27.00000	105.14175	-2.1275	-2.3483	1.0382	-	-	-
	29.33333	27.00000	105.14175	-1.9903	-2.0075	0.85261	-	-	-
	30.00000	27.00000	105.14175	-1.8358	-1.7047	0.69044	-	-	-
	30.66667	27.00000	105.14175	-1.6699	-1.4366	0.55119	-	-	-
	31.33333	27.00000	105.14175	-1.4969	-1.1996	0.43373	-	-	-
	32.00000	27.00000	105.14175	-1.3204	-0.99028	0.33646	-	-	-
	32.66667	27.00000	105.14175	-1.1427	-0.80542	0.25735	-	-	-
	33.33333	27.00000	105.14175	-0.96587	-0.64208	0.19400	-	-	-
	34.00000	27.00000	105.14175	-0.79109	-0.49762	0.14370	-	-	-
	34.66667	27.00000	105.14175	-0.61931	-0.36969	0.10343	-	-	-
	35.33333	27.00000	105.14175	-0.45113	-0.25623	0.069897	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	36.00000	27.00000	105.14175	-0.33188	-0.17977	0.040116	-	-	-
	36.66667	27.00000	105.14175	-0.24391	-0.12627	0.037966	-	-	-
	37.33333	27.00000	105.14175	-0.15829	-0.078474	0.027791	-	-	-
	38.00000	27.00000	105.14175	-0.075036	-0.035688	0.016089	-	-	-
	38.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	39.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	40.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	40.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	41.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	42.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	42.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	43.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	44.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	44.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	45.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	46.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	46.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	47.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	48.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	48.66667	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	49.33333	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	50.00000	27.00000	105.14175	0.0	0.0	0.0	-	-	-
	0.00000	28.00000	105.14700	0.25003	-0.12039	0.61241	-	-	-
	0.66667	28.00000	105.14700	0.44848	-0.22520	0.72901	-	-	-
	1.33333	28.00000	105.14700	0.64135	-0.33649	0.83828	-	-	-
	2.00000	28.00000	105.14700	0.82786	-0.45474	0.94559	-	-	-
	2.66667	28.00000	105.14700	1.0816	-0.62337	1.0603	-	-	-
	3.33333	28.00000	105.14700	1.3811	-0.84438	1.1912	-	-	-
	4.00000	28.00000	105.14700	1.7357	-1.1454	1.3410	-	-	-
	4.66667	28.00000	105.14700	2.0643	-1.4600	1.4937	-	-	-
	5.33333	28.00000	105.14700	2.3642	-1.7884	1.6537	-	-	-
	6.00000	28.00000	105.14700	2.6322	-2.1309	1.8236	-	-	-
	6.66667	28.00000	105.14700	2.8647	-2.4872	2.0041	-	-	-
	7.33333	28.00000	105.14700	3.0577	-2.8569	2.1941	-	-	-
	8.00000	28.00000	105.14700	3.2068	-3.2390	2.3914	-	-	-
	8.66667	28.00000	105.14700	3.3070	-3.6318	2.5924	-	-	-
	9.33333	28.00000	105.14700	3.3533	-4.0328	2.7926	-	-	-
	10.00000	28.00000	105.14700	3.3400	-4.4385	2.9869	-	-	-
	10.66667	28.00000	105.14700	3.2620	-4.8438	3.1699	-	-	-
	11.33333	28.00000	105.14700	3.1143	-5.2421	3.3359	-	-	-
	12.00000	28.00000	105.14700	2.8931	-5.6250	3.4794	-	-	-
	12.66667	28.00000	105.14700	2.5966	-5.9820	3.5952	-	-	-
	13.33333	28.00000	105.14700	2.2257	-6.3011	3.6787	-	-	-
	14.00000	28.00000	105.14700	1.7851	-6.5690	3.7259	-	-	-
	14.66667	28.00000	105.14700	1.2841	-6.7726	3.7340	-	-	-
	15.33333	28.00000	105.14700	0.73699	-6.9001	3.7007	-	-	-
	16.00000	28.00000	105.14700	0.16213	-6.9430	3.6253	-	-	-
	16.66667	28.00000	105.14700	-0.41896	-6.8974	3.5080	-	-	-
	17.33333	28.00000	105.14700	-0.98397	-6.7649	3.3505	-	-	-
	18.00000	28.00000	105.14700	-1.2202	-6.5883	3.2062	-	-	-
	18.66667	28.00000	105.14700	-1.2035	-6.4987	3.1166	-	-	-
	19.33333	28.00000	105.14700	-1.1878	-6.4142	3.0292	-	-	-
	20.00000	28.00000	105.14700	-1.1722	-6.3296	2.9428	-	-	-
	20.66667	28.00000	105.14700	-1.1565	-6.2451	2.8574	-	-	-
	21.33333	28.00000	105.14700	-1.1408	-6.1605	2.7731	-	-	-
	22.00000	28.00000	105.14700	-1.1252	-6.0760	2.6899	-	-	-
	22.66667	28.00000	105.14700	-1.1095	-5.9914	2.6078	-	-	-
	23.33333	28.00000	105.14700	-1.1524	-5.8508	2.5082	-	-	-
	24.00000	28.00000	105.14700	-1.4695	-5.3883	2.2977	-	-	-
	24.66667	28.00000	105.14700	-1.7105	-4.9084	2.0762	-	-	-
	25.33333	28.00000	105.14700	-1.8780	-4.4268	1.8509	-	-	-
	26.00000	28.00000	105.14700	-1.9780	-3.9560	1.6281	-	-	-
	26.66667	28.00000	105.14700	-2.0184	-3.5056	1.4131	-	-	-
	27.33333	28.00000	105.14700	-2.0081	-3.0821	1.2100	-	-	-
	28.00000	28.00000	105.14700	-1.9559	-2.6893	1.0220	-	-	-
	28.66667	28.00000	105.14700	-1.8701	-2.3288	0.85132	-	-	-
	29.33333	28.00000	105.14700	-1.7582	-2.0007	0.69917	-	-	-
	30.00000	28.00000	105.14700	-1.6265	-1.7040	0.56605	-	-	-
	30.66667	28.00000	105.14700	-1.4804	-1.4368	0.45175	-	-	-
	31.33333	28.00000	105.14700	-1.3241	-1.1971	0.35544	-	-	-
	32.00000	28.00000	105.14700	-1.1612	-0.98258	0.27574	-	-	-
	32.66667	28.00000	105.14700	-0.99437	-0.79071	0.21080	-	-	-
	33.33333	28.00000	105.14700	-0.82578	-0.61934	0.15834	-	-	-
	34.00000	28.00000	105.14700	-0.65703	-0.46628	0.11570	-	-	-
	34.66667	28.00000	105.14700	-0.48934	-0.32955	0.079851	-	-	-
	35.33333	28.00000	105.14700	-0.36249	-0.23228	0.055884	-	-	-
	36.00000	28.00000	105.14700	-0.27313	-0.16691	0.043647	-	-	-
	36.66667	28.00000	105.14700	-0.18536	-0.10827	0.032783	-	-	-
	37.33333	28.00000	105.14700	-0.099370	-0.055580	0.020851	-	-	-
	38.00000	28.00000	105.14700	-0.015264	-0.0081904	0.0052111	-	-	-
	38.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	39.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	40.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	40.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	41.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	42.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	42.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	43.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	44.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	44.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	45.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	46.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	46.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	47.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	48.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	48.66667	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	49.33333	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	50.00000	28.00000	105.14700	0.0	0.0	0.0	-	-	-
	0.00000	29.00000	105.15225	0.093639	-0.050865	0.49271	-	-	-
	0.66667	29.00000	105.15225	0.28293	-0.16029	0.60973	-	-	-
	1.33333	29.00000	105.15225	0.46601	-0.27584	0.71442	-	-	-
	2.00000	29.00000	105.15225	0.64207	-0.39790	0.81243	-	-	-
	2.66667	29.00000	105.15225	0.81021	-0.52684	0.90832	-	-	-
	3.33333	29.00000	105.15225	1.0485	-0.71713	1.0123	-	-	-
	4.00000	29.00000	105.15225	1.2946	-0.93383	1.1214	-	-	-
	4.66667	29.00000	105.15225	1.5855	-1.2296	1.2545	-	-	-
	5.33333	29.00000	105.15225	1.8632	-1.5527	1.3897	-	-	-
	6.00000	29.00000	105.15225	2.1092	-1.8867	1.5282	-	-	-
	6.66667	29.00000	105.15225	2.3207	-2.2311	1.6720	-	-	-
	7.33333	29.00000	105.15225	2.4942	-2.5847	1.8212	-	-	-
	8.00000	29.00000	105.15225	2.6263	-2.9462	1.9750	-	-	-
	8.66667	29.00000	105.15225	2.7131	-3.3133	2.1310	-	-	-
	9.33333	29.00000	105.15225	2.7508	-3.6833	2.2863	-	-	-
	10.00000	29.00000	105.15225	2.7358	-4.0524	2.4369	-	-	-
	10.66667	29.00000	105.15225	2.6647	-4.4155	2.5786	-	-	-
	11.33333	29.00000	105.15225	2.5349	-4.7669	2.7070	-	-	-
	12.00000	29.00000	105.15225	2.3450	-5.0991	2.8174	-	-	-
	12.66667	29.00000	105.15225	2.0951	-5.4041	2.9057	-	-	-
	13.33333	29.00000	105.15225	1.7877	-5.6726	2.9679	-	-	-
	14.00000	29.00000	105.15225	1.4279	-5.8953	3.0007	-	-	-
	14.66667	29.00000	105.15225	1.0238	-6.0634	3.0016	-	-	-
	15.33333	29.00000	105.15225	0.58632	-6.1691	2.9688	-	-	-
	16.00000	29.00000	105.15225	0.12907	-6.2072	2.9015	-	-	-
	16.66667	29.00000	105.15225	-0.33280	-6.1754	2.8002	-	-	-
	17.33333	29.00000	105.15225	-0.78369	-6.0749	2.6662	-	-	-
	18.00000	29.00000	105.15225	-1.0969	-5.9213	2.5233	-	-	-
	18.66667	29.00000	105.15225	-1.0766	-5.8139	2.4394	-	-	-
	19.33333	29.00000	105.15225	-1.0610	-5.7293	2.3611	-	-	-
	20.00000	29.00000	105.15225	-1.0453	-5.6448	2.2841	-	-	-
	20.66667	29.00000	105.15225	-1.0297	-5.5602	2.2083	-	-	-
	21.33333	29.00000	105.15225	-1.0140	-5.4757	2.1340	-	-	-
	22.00000	29.00000	105.15225	-0.99836	-5.3911	2.0610	-	-	-
	22.66667	29.00000	105.15225	-0.98270	-5.3066	1.9893	-	-	-
	23.33333	29.00000	105.15225	-0.96704	-5.2220	1.9191	-	-	-
	24.00000	29.00000	105.15225	-1.1948	-4.8786	1.7739	-	-	-
	24.66667	29.00000	105.15225	-1.4022	-4.4809	1.6086	-	-	-
	25.33333	29.00000	105.15225	-1.5524	-4.0751	1.4384	-	-	-
	26.00000	29.00000	105.15225	-1.6483	-3.6713	1.2684	-	-	-
	26.66667	29.00000	105.15225	-1.6947	-3.2778	1.1030	-	-	-
	27.33333	29.00000	105.15225	-1.6971	-2.9009	0.94573	-	-	-
	28.00000	29.00000	105.15225	-1.6619	-2.5447	0.79945	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	28.66667	29.00000	105.15225	-1.5951	-2.2121	0.66621	-	-	-
	29.33333	29.00000	105.15225	-1.5026	-1.9041	0.54727	-	-	-
	30.00000	29.00000	105.15225	-1.3895	-1.6211	0.44318	-	-	-
	30.66667	29.00000	105.15225	-1.2606	-1.3625	0.35384	-	-	-
	31.33333	29.00000	105.15225	-1.1196	-1.1273	0.27852	-	-	-
	32.00000	29.00000	105.15225	-0.96995	-0.91399	0.21593	-	-	-
	32.66667	29.00000	105.15225	-0.81429	-0.72109	0.16431	-	-	-
	33.33333	29.00000	105.15225	-0.65484	-0.54694	0.12142	-	-	-
	34.00000	29.00000	105.15225	-0.49335	-0.38990	0.084605	-	-	-
	34.66667	29.00000	105.15225	-0.37495	-0.28122	0.060885	-	-	-
	35.33333	29.00000	105.15225	-0.28694	-0.20476	0.048035	-	-	-
	36.00000	29.00000	105.15225	-0.19945	-0.13574	0.036570	-	-	-
	36.66667	29.00000	105.15225	-0.11286	-0.073411	0.024157	-	-	-
	37.33333	29.00000	105.15225	-0.027453	-0.017100	0.0082443	-	-	-
	38.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	38.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	39.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	40.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	40.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	41.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	42.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	43.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	44.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	45.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	46.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	47.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	48.66667	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	49.33333	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	50.00000	29.00000	105.15225	0.0	0.0	0.0	-	-	-
	0.00000	30.00000	105.15750	0.0	0.0	0.37431	-	-	-
	0.66667	30.00000	105.15750	0.11215	-0.070754	0.48333	-	-	-
	1.33333	30.00000	105.15750	0.28613	-0.18062	0.58869	-	-	-
	2.00000	30.00000	105.15750	0.45264	-0.31239	0.68231	-	-	-
	2.66667	30.00000	105.15750	0.61079	-0.44230	0.76912	-	-	-
	3.33333	30.00000	105.15750	0.75959	-0.57855	0.85300	-	-	-
	4.00000	30.00000	105.15750	0.96455	-0.77480	0.94383	-	-	-
	4.66667	30.00000	105.15750	1.1799	-1.0026	1.0385	-	-	-
	5.33333	30.00000	105.15750	1.3827	-1.2487	1.1400	-	-	-
	6.00000	30.00000	105.15750	1.6123	-1.5711	1.2571	-	-	-
	6.66667	30.00000	105.15750	1.8087	-1.9006	1.3734	-	-	-
	7.33333	30.00000	105.15750	1.9694	-2.2359	1.4904	-	-	-
	8.00000	30.00000	105.15750	2.0916	-2.5751	1.6084	-	-	-
	8.66667	30.00000	105.15750	2.1725	-2.9161	1.7265	-	-	-
	9.33333	30.00000	105.15750	2.2095	-3.2558	1.8429	-	-	-
	10.00000	30.00000	105.15750	2.2003	-3.5906	1.9550	-	-	-
	10.66667	30.00000	105.15750	2.1429	-3.9161	2.0598	-	-	-
	11.33333	30.00000	105.15750	2.0363	-4.2271	2.1540	-	-	-
	12.00000	30.00000	105.15750	1.8803	-4.5177	2.2339	-	-	-
	12.66667	30.00000	105.15750	1.6762	-4.7814	2.2964	-	-	-
	13.33333	30.00000	105.15750	1.4269	-5.0113	2.3382	-	-	-
	14.00000	30.00000	105.15750	1.1373	-5.2007	2.3568	-	-	-
	14.66667	30.00000	105.15750	0.81407	-5.3436	2.3501	-	-	-
	15.33333	30.00000	105.15750	0.46592	-5.4346	2.3166	-	-	-
	16.00000	30.00000	105.15750	0.10296	-5.4706	2.2560	-	-	-
	16.66667	30.00000	105.15750	-0.26372	-5.4499	2.1684	-	-	-
	17.33333	30.00000	105.15750	-0.62275	-5.3735	2.0551	-	-	-
	18.00000	30.00000	105.15750	-0.96328	-5.2444	1.9183	-	-	-
	18.66667	30.00000	105.15750	-0.94982	-5.1290	1.8435	-	-	-
	19.33333	30.00000	105.15750	-0.93416	-5.0445	1.7763	-	-	-
	20.00000	30.00000	105.15750	-0.91851	-4.9599	1.7106	-	-	-
	20.66667	30.00000	105.15750	-0.90285	-4.8754	1.6463	-	-	-
	21.33333	30.00000	105.15750	-0.88719	-4.7908	1.5836	-	-	-
	22.00000	30.00000	105.15750	-0.87153	-4.7063	1.5223	-	-	-
	22.66667	30.00000	105.15750	-0.85588	-4.6217	1.4625	-	-	-
	23.33333	30.00000	105.15750	-0.84022	-4.5372	1.4043	-	-	-
	24.00000	30.00000	105.15750	-0.95893	-4.3152	1.3137	-	-	-
	24.66667	30.00000	105.15750	-1.1318	-3.9861	1.1944	-	-	-
	25.33333	30.00000	105.15750	-1.2601	-3.6454	1.0703	-	-	-
	26.00000	30.00000	105.15750	-1.3450	-3.3014	0.94550	-	-	-
	26.66667	30.00000	105.15750	-1.3890	-2.9608	0.82330	-	-	-
	27.33333	30.00000	105.15750	-1.3959	-2.6294	0.70664	-	-	-
	28.00000	30.00000	105.15750	-1.3697	-2.3114	0.59785	-	-	-
	28.66667	30.00000	105.15750	-1.3150	-2.0097	0.49860	-	-	-
	29.33333	30.00000	105.15750	-1.2361	-1.7262	0.40992	-	-	-
	30.00000	30.00000	105.15750	-1.1371	-1.4620	0.33224	-	-	-
	30.66667	30.00000	105.15750	-1.0220	-1.2174	0.26536	-	-	-
	31.33333	30.00000	105.15750	-0.89400	-0.99197	0.20851	-	-	-
	32.00000	30.00000	105.15750	-0.75612	-0.78520	0.16040	-	-	-
	32.66667	30.00000	105.15750	-0.61087	-0.59615	0.11921	-	-	-
	33.33333	30.00000	105.15750	-0.46037	-0.42375	0.082691	-	-	-
	34.00000	30.00000	105.15750	-0.36716	-0.31978	0.063577	-	-	-
	34.66667	30.00000	105.15750	-0.28303	-0.23393	0.050645	-	-	-
	35.33333	30.00000	105.15750	-0.19816	-0.15583	0.038724	-	-	-
	36.00000	30.00000	105.15750	-0.11311	-0.084836	0.025624	-	-	-
	36.66667	30.00000	105.15750	-0.028337	-0.020313	0.0089113	-	-	-
	37.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	38.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	38.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	39.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	40.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	40.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	41.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	42.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	42.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	43.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	44.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	44.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	45.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	46.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	46.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	47.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	48.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	48.66667	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	49.33333	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	50.00000	30.00000	105.15750	0.0	0.0	0.0	-	-	-
	0.00000	31.00000	105.16275	0.0	0.0	0.28097	-	-	-
	0.66667	31.00000	105.16275	0.0	0.0	0.35681	-	-	-
	1.33333	31.00000	105.16275	0.10453	-0.075936	0.45649	-	-	-
	2.00000	31.00000	105.16275	0.26254	-0.19968	0.55177	-	-	-
	2.66667	31.00000	105.16275	0.41197	-0.32876	0.63523	-	-	-
	3.33333	31.00000	105.16275	0.55189	-0.46325	0.71118	-	-	-
	4.00000	31.00000	105.16275	0.68131	-0.60313	0.78298	-	-	-
	4.66667	31.00000	105.16275	0.83762	-0.78436	0.85813	-	-	-
	5.33333	31.00000	105.16275	1.0223	-1.0161	0.93790	-	-	-
	6.00000	31.00000	105.16275	1.1876	-1.2575	1.0182	-	-	-
	6.66667	31.00000	105.16275	1.3313	-1.5081	1.0998	-	-	-
	7.33333	31.00000	105.16275	1.4838	-1.8230	1.1966	-	-	-
	8.00000	31.00000	105.16275	1.6019	-2.1400	1.2886	-	-	-
	8.66667	31.00000	105.16275	1.6827	-2.4557	1.3776	-	-	-
	9.33333	31.00000	105.16275	1.7246	-2.7672	1.4632	-	-	-
	10.00000	31.00000	105.16275	1.7261	-3.0713	1.5439	-	-	-
	10.66667	31.00000	105.16275	1.6863	-3.3639	1.6180	-	-	-
	11.33333	31.00000	105.16275	1.6052	-3.6409	1.6832	-	-	-
	12.00000	31.00000	105.16275	1.4832	-3.8973	1.7371	-	-	-
	12.66667	31.00000	105.16275	1.3223	-4.1281	1.7772	-	-	-
	13.33333	31.00000	105.16275	1.1253	-4.3283	1.8012	-	-	-
	14.00000	31.00000	105.16275	0.89657	-4.4928	1.8071	-	-	-
	14.66667	31.00000	105.16275	0.64170	-4.6173	1.7936	-	-	-
	15.33333	31.00000	105.16275	0.36752	-4.6983	1.7594	-	-	-
	16.00000	31.00000	105.16275	0.081818	-4.7335	1.7044	-	-	-
	16.66667	31.00000	105.16275	-0.20705	-4.7219	1.6288	-	-	-
	17.33333	31.00000	105.16275	-0.49057	-4.6642	1.5338	-	-	-
	18.00000	31.00000	105.16275	-0.76054	-4.5624	1.4210	-	-	-
	18.66667	31.00000	105.16275	-0.82337	-4.4459	1.3422	-	-	-
	19.33333	31.00000	105.16275	-0.80734	-4.3596	1.2869	-	-	-
	20.00000	31.00000	105.16275	-0.79168	-4.2751	1.2334	-	-	-
	20.66667	31.00000	105.16275	-0.77602	-4.1905	1.1814	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to Line	x Axis
	21.33333	31.00000	105.16275	-0.76037	-4.1060	1.1309	-	-	-
	22.00000	31.00000	105.16275	-0.74471	-4.0214	1.0819	-	-	-
	22.66667	31.00000	105.16275	-0.72905	-3.9369	1.0344	-	-	-
	23.33333	31.00000	105.16275	-0.71340	-3.8523	0.98841	-	-	-
	24.00000	31.00000	105.16275	-0.75489	-3.7115	0.93266	-	-	-
	24.66667	31.00000	105.16275	-0.89405	-3.4401	0.84965	-	-	-
	25.33333	31.00000	105.16275	-0.99836	-3.1555	0.76279	-	-	-
	26.00000	31.00000	105.16275	-1.0680	-2.8642	0.67488	-	-	-
	26.66667	31.00000	105.16275	-1.1043	-2.5720	0.58849	-	-	-
	27.33333	31.00000	105.16275	-1.1095	-2.2836	0.50578	-	-	-
	28.00000	31.00000	105.16275	-1.0864	-2.0030	0.42847	-	-	-
	28.66667	31.00000	105.16275	-1.0380	-1.7332	0.35777	-	-	-
	29.33333	31.00000	105.16275	-0.96758	-1.4764	0.29436	-	-	-
	30.00000	31.00000	105.16275	-0.87843	-1.2340	0.23837	-	-	-
	30.66667	31.00000	105.16275	-0.77355	-1.0068	0.18940	-	-	-
	31.33333	31.00000	105.16275	-0.65577	-0.79501	0.14652	-	-	-
	32.00000	31.00000	105.16275	-0.52763	-0.59866	0.10831	-	-	-
	32.66667	31.00000	105.16275	-0.41418	-0.44162	0.078395	-	-	-
	33.33333	31.00000	105.16275	-0.33885	-0.34078	0.063710	-	-	-
	34.00000	31.00000	105.16275	-0.26064	-0.24803	0.051070	-	-	-
	34.66667	31.00000	105.16275	-0.18039	-0.16290	0.038721	-	-	-
	35.33333	31.00000	105.16275	-0.098792	-0.084884	0.024633	-	-	-
	36.00000	31.00000	105.16275	-0.016436	-0.013468	0.0065101	-	-	-
	36.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	37.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	38.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	38.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	39.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	40.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	40.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	41.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	42.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	42.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	43.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	44.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	44.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	45.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	46.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	46.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	47.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	48.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	48.66667	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	49.33333	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	50.00000	31.00000	105.16275	0.0	0.0	0.0	-	-	-
	0.00000	32.00000	105.16800	0.0	0.0	0.18896	-	-	-
	0.66667	32.00000	105.16800	0.0	0.0	0.26089	-	-	-
	1.33333	32.00000	105.16800	0.0	0.0	0.32859	-	-	-
	2.00000	32.00000	105.16800	0.074141	-0.061610	0.41429	-	-	-
	2.66667	32.00000	105.16800	0.21615	-0.18847	0.50122	-	-	-
	3.33333	32.00000	105.16800	0.34871	-0.31980	0.57577	-	-	-
	4.00000	32.00000	105.16800	0.47092	-0.45548	0.64175	-	-	-
	4.66667	32.00000	105.16800	0.58184	-0.59529	0.70213	-	-	-
	5.33333	32.00000	105.16800	0.68046	-0.73891	0.75908	-	-	-
	6.00000	32.00000	105.16800	0.83401	-0.96484	0.82467	-	-	-
	6.66667	32.00000	105.16800	0.96949	-1.2000	0.88831	-	-	-
	7.33333	32.00000	105.16800	1.0826	-1.4408	0.95067	-	-	-
	8.00000	32.00000	105.16800	1.1716	-1.6859	1.0119	-	-	-
	8.66667	32.00000	105.16800	1.2396	-1.9448	1.0756	-	-	-
	9.33333	32.00000	105.16800	1.2901	-2.2308	1.1401	-	-	-
	10.00000	32.00000	105.16800	1.3054	-2.5076	1.1983	-	-	-
	10.66667	32.00000	105.16800	1.2854	-2.7720	1.2496	-	-	-
	11.33333	32.00000	105.16800	1.2303	-3.0204	1.2928	-	-	-
	12.00000	32.00000	105.16800	1.1413	-3.2489	1.3264	-	-	-
	12.66667	32.00000	105.16800	1.0202	-3.4536	1.3489	-	-	-
	13.33333	32.00000	105.16800	0.86995	-3.6305	1.3590	-	-	-
	14.00000	32.00000	105.16800	0.69419	-3.7760	1.3551	-	-	-
	14.66667	32.00000	105.16800	0.49759	-3.8870	1.3365	-	-	-
	15.33333	32.00000	105.16800	0.28563	-3.9609	1.3024	-	-	-
	16.00000	32.00000	105.16800	0.064374	-3.9961	1.2529	-	-	-
	16.66667	32.00000	105.16800	-0.15971	-3.9921	1.1881	-	-	-
	17.33333	32.00000	105.16800	-0.38006	-3.9492	1.1093	-	-	-
	18.00000	32.00000	105.16800	-0.59035	-3.8690	1.0177	-	-	-
	18.66667	32.00000	105.16800	-0.69728	-3.7647	0.94035	-	-	-
	19.33333	32.00000	105.16800	-0.68052	-3.6748	0.89667	-	-	-
	20.00000	32.00000	105.16800	-0.66486	-3.5902	0.85526	-	-	-
	20.66667	32.00000	105.16800	-0.64920	-3.5057	0.81528	-	-	-
	21.33333	32.00000	105.16800	-0.63354	-3.4211	0.77673	-	-	-
	22.00000	32.00000	105.16800	-0.61789	-3.3366	0.73958	-	-	-
	22.66667	32.00000	105.16800	-0.60223	-3.2520	0.70381	-	-	-
	23.33333	32.00000	105.16800	-0.58657	-3.1675	0.66940	-	-	-
	24.00000	32.00000	105.16800	-0.57698	-3.0772	0.63540	-	-	-
	24.66667	32.00000	105.16800	-0.68396	-2.8548	0.58000	-	-	-
	25.33333	32.00000	105.16800	-0.76375	-2.6186	0.52168	-	-	-
	26.00000	32.00000	105.16800	-0.81595	-2.3737	0.46238	-	-	-
	26.66667	32.00000	105.16800	-0.84109	-2.1248	0.40384	-	-	-
	27.33333	32.00000	105.16800	-0.84041	-1.8763	0.34754	-	-	-
	28.00000	32.00000	105.16800	-0.81570	-1.6314	0.29457	-	-	-
	28.66667	32.00000	105.16800	-0.76912	-1.3931	0.24563	-	-	-
	29.33333	32.00000	105.16800	-0.70300	-1.1636	0.20097	-	-	-
	30.00000	32.00000	105.16800	-0.61979	-0.94444	0.16037	-	-	-
	30.66667	32.00000	105.16800	-0.52187	-0.73675	0.12313	-	-	-
	31.33333	32.00000	105.16800	-0.42006	-0.55240	0.089883	-	-	-
	32.00000	32.00000	105.16800	-0.35845	-0.44117	0.074449	-	-	-
	32.66667	32.00000	105.16800	-0.29165	-0.33733	0.061207	-	-	-
	33.33333	32.00000	105.16800	-0.22069	-0.24075	0.048860	-	-	-
	34.00000	32.00000	105.16800	-0.14647	-0.15120	0.035815	-	-	-
	34.66667	32.00000	105.16800	-0.069786	-0.068361	0.020196	-	-	-
	35.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	36.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	36.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	37.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	38.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	38.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	39.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	40.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	40.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	41.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	42.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	42.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	43.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	44.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	44.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	45.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	46.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	46.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	47.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	48.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	48.66667	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	49.33333	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	50.00000	32.00000	105.16800	0.0	0.0	0.0	-	-	-
	0.00000	33.00000	105.17325	0.0	0.0	0.098721	-	-	-
	0.66667	33.00000	105.17325	0.0	0.0	0.16729	-	-	-
	1.33333	33.00000	105.17325	0.0	0.0	0.23171	-	-	-
	2.00000	33.00000	105.17325	0.0	0.0	0.29174	-	-	-
	2.66667	33.00000	105.17325	0.025147	-0.023785	0.35815	-	-	-
	3.33333	33.00000	105.17325	0.15177	-0.15098	0.43882	-	-	-
	4.00000	33.00000	105.17325	0.26836	-0.28156	0.50621	-	-	-
	4.66667	33.00000	105.17325	0.37413	-0.41522	0.56382	-	-	-
	5.33333	33.00000	105.17325	0.46825	-0.55156	0.61432	-	-	-
	6.00000	33.00000	105.17325	0.54989	-0.69006	0.65969	-	-	-
	6.66667	33.00000	105.17325	0.62798	-0.84316	0.70351	-	-	-
	7.33333	33.00000	105.17325	0.73815	-1.0656	0.75281	-	-	-
	8.00000	33.00000	105.17325	0.82637	-1.2899	0.79856	-	-	-
	8.66667	33.00000	105.17325	0.89135	-1.5145	0.84102	-	-	-
	9.33333	33.00000	105.17325	0.93199	-1.7373	0.88001	-	-	-
	10.00000	33.00000	105.17325	0.94742	-1.9560	0.91500	-	-	-
	10.66667	33.00000	105.17325	0.93711	-2.1678	0.94516	-	-	-
	11.33333	33.00000	105.17325	0.90225	-2.3745	0.97166	-	-	-
	12.00000	33.00000	105.17325	0.84436	-2.5801	0.99225	-	-	-
	12.66667	33.00000	105.17325	0.75983	-2.7637	1.0034	-	-	-
	13.33333	33.00000	105.17325	0.65123	-2.9223	1.0044	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line: Along the Line	Perpendicular to x Axis: to Line
	14.00000	33.00000	105.17325	0.52178	-3.0532	0.99470	-	-	-
	14.66667	33.00000	105.17325	0.37537	-3.1539	0.97375	-	-	-
	15.33333	33.00000	105.17325	0.21640	-3.2228	0.94140	-	-	-
	16.00000	33.00000	105.17325	0.049738	-3.2586	0.89777	-	-	-
	16.66667	33.00000	105.17325	-0.11954	-3.2609	0.84337	-	-	-
	17.33333	33.00000	105.17325	-0.28627	-3.2300	0.77910	-	-	-
	18.00000	33.00000	105.17325	-0.44546	-3.1672	0.70626	-	-	-
	18.66667	33.00000	105.17325	-0.56978	-3.0767	0.63358	-	-	-
	19.33333	33.00000	105.17325	-0.55369	-2.9899	0.60144	-	-	-
	20.00000	33.00000	105.17325	-0.53803	-2.9054	0.57106	-	-	-
	20.66667	33.00000	105.17325	-0.52238	-2.8208	0.54192	-	-	-
	21.33333	33.00000	105.17325	-0.50672	-2.7363	0.51399	-	-	-
	22.00000	33.00000	105.17325	-0.49106	-2.6517	0.48723	-	-	-
	22.66667	33.00000	105.17325	-0.47541	-2.5672	0.46161	-	-	-
	23.33333	33.00000	105.17325	-0.45975	-2.4826	0.43707	-	-	-
	24.00000	33.00000	105.17325	-0.44409	-2.3981	0.41359	-	-	-
	24.66667	33.00000	105.17325	-0.49745	-2.2385	0.38064	-	-	-
	25.33333	33.00000	105.17325	-0.55302	-2.0442	0.34278	-	-	-
	26.00000	33.00000	105.17325	-0.58671	-1.8401	0.30394	-	-	-
	26.66667	33.00000	105.17325	-0.59856	-1.6303	0.26519	-	-	-
	27.33333	33.00000	105.17325	-0.58917	-1.4181	0.22732	-	-	-
	28.00000	33.00000	105.17325	-0.55964	-1.2067	0.19088	-	-	-
	28.66667	33.00000	105.17325	-0.51141	-0.99869	0.15603	-	-	-
	29.33333	33.00000	105.17325	-0.44613	-0.79612	0.12258	-	-	-
	30.00000	33.00000	105.17325	-0.38363	-0.63026	0.095527	-	-	-
	30.66667	33.00000	105.17325	-0.33879	-0.51566	0.080918	-	-	-
	31.33333	33.00000	105.17325	-0.28681	-0.40665	0.067964	-	-	-
	32.00000	33.00000	105.17325	-0.22874	-0.30352	0.055777	-	-	-
	32.66667	33.00000	105.17325	-0.16554	-0.20642	0.043186	-	-	-
	33.33333	33.00000	105.17325	-0.098092	-0.11537	0.028729	-	-	-
	34.00000	33.00000	105.17325	-0.027212	-0.030284	0.010660	-	-	-
	34.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	35.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	36.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	36.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	37.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	38.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	38.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	39.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	40.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	40.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	41.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	42.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	42.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	43.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	44.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	44.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	45.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	46.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	46.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	47.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	48.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	48.66667	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	49.33333	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	50.00000	33.00000	105.17325	0.0	0.0	0.0	-	-	-
	0.00000	34.00000	105.17850	0.0	0.0	0.010563	-	-	-
	0.66667	34.00000	105.17850	0.0	0.0	0.076254	-	-	-
	1.33333	34.00000	105.17850	0.0	0.0	0.13792	-	-	-
	2.00000	34.00000	105.17850	0.0	0.0	0.19536	-	-	-
	2.66667	34.00000	105.17850	0.0	0.0	0.24834	-	-	-
	3.33333	34.00000	105.17850	0.0	0.0	0.29665	-	-	-
	4.00000	34.00000	105.17850	0.074624	-0.084410	0.36542	-	-	-
	4.66667	34.00000	105.17850	0.17677	-0.21151	0.42806	-	-	-
	5.33333	34.00000	105.17850	0.26799	-0.34033	0.47960	-	-	-
	6.00000	34.00000	105.17850	0.34763	-0.47032	0.52259	-	-	-
	6.66667	34.00000	105.17850	0.41505	-0.60080	0.55891	-	-	-
	7.33333	34.00000	105.17850	0.46968	-0.73100	0.58990	-	-	-
	8.00000	34.00000	105.17850	0.51100	-0.85998	0.61637	-	-	-
	8.66667	34.00000	105.17850	0.57694	-1.0569	0.64904	-	-	-
	9.33333	34.00000	105.17850	0.62531	-1.2567	0.67720	-	-	-
	10.00000	34.00000	105.17850	0.65193	-1.4511	0.70052	-	-	-
	10.66667	34.00000	105.17850	0.65666	-1.6377	0.71881	-	-	-
	11.33333	34.00000	105.17850	0.63973	-1.8140	0.73171	-	-	-
	12.00000	34.00000	105.17850	0.60184	-1.9775	0.73870	-	-	-
	12.66667	34.00000	105.17850	0.54414	-2.1252	0.73921	-	-	-
	13.33333	34.00000	105.17850	0.46835	-2.2546	0.73272	-	-	-
	14.00000	34.00000	105.17850	0.37671	-2.3630	0.71876	-	-	-
	14.66667	34.00000	105.17850	0.27201	-2.4481	0.69705	-	-	-
	15.33333	34.00000	105.17850	0.15749	-2.5078	0.66750	-	-	-
	16.00000	34.00000	105.17850	0.036820	-2.5406	0.63025	-	-	-
	16.66667	34.00000	105.17850	-0.086079	-2.5455	0.58573	-	-	-
	17.33333	34.00000	105.17850	-0.20712	-2.5220	0.53463	-	-	-
	18.00000	34.00000	105.17850	-0.32220	-2.4702	0.47789	-	-	-
	18.66667	34.00000	105.17850	-0.42737	-2.3910	0.41669	-	-	-
	19.33333	34.00000	105.17850	-0.42687	-2.3051	0.38893	-	-	-
	20.00000	34.00000	105.17850	-0.41121	-2.2205	0.36752	-	-	-
	20.66667	34.00000	105.17850	-0.39555	-2.1360	0.34703	-	-	-
	21.33333	34.00000	105.17850	-0.37990	-2.0514	0.32740	-	-	-
	22.00000	34.00000	105.17850	-0.36424	-1.9669	0.30858	-	-	-
	22.66667	34.00000	105.17850	-0.34858	-1.8823	0.29053	-	-	-
	23.33333	34.00000	105.17850	-0.33293	-1.7978	0.27319	-	-	-
	24.00000	34.00000	105.17850	-0.31727	-1.7132	0.25650	-	-	-
	24.66667	34.00000	105.17850	-0.33103	-1.5976	0.23670	-	-	-
	25.33333	34.00000	105.17850	-0.36318	-1.4398	0.21187	-	-	-
	26.00000	34.00000	105.17850	-0.37808	-1.2717	0.18576	-	-	-
	26.66667	34.00000	105.17850	-0.37546	-1.0967	0.15883	-	-	-
	27.33333	34.00000	105.17850	-0.35551	-0.91770	0.13135	-	-	-
	28.00000	34.00000	105.17850	-0.33067	-0.76468	0.10787	-	-	-
	28.66667	34.00000	105.17850	-0.31184	-0.65311	0.094285	-	-	-
	29.33333	34.00000	105.17850	-0.28400	-0.54351	0.081780	-	-	-
	30.00000	34.00000	105.17850	-0.24792	-0.43682	0.070025	-	-	-
	30.66667	34.00000	105.17850	-0.20445	-0.33374	0.058447	-	-	-
	31.33333	34.00000	105.17850	-0.15444	-0.23483	0.046214	-	-	-
	32.00000	34.00000	105.17850	-0.098705	-0.14046	0.032226	-	-	-
	32.66667	34.00000	105.17850	-0.038061	-0.050901	0.015112	-	-	-
	33.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	34.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	34.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	35.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	36.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	36.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	37.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	38.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	38.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	39.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	40.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	40.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	41.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	42.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	42.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	43.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	44.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	44.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	45.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	46.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	46.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	47.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	48.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	48.66667	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	49.33333	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	50.00000	34.00000	105.17850	0.0	0.0	0.0	-	-	-
	0.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	0.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	1.33333	35.00000	105.18375	0.0	0.0	0.047338	-	-	-
	2.00000	35.00000	105.18375	0.0	0.0	0.10267	-	-	-
	2.66667	35.00000	105.18375	0.0	0.0	0.15376	-	-	-
	3.33333	35.00000	105.18375	0.0	0.0	0.20043	-	-	-
	4.00000	35.00000	105.18375	0.0	0.0	0.24250	-	-	-
	4.66667	35.00000	105.18375	0.0	0.0	0.27981	-	-	-
	5.33333	35.00000	105.18375	0.079687	-0.10853	0.34124	-	-	-
	6.00000	35.00000	105.18375	0.15866	-0.23021	0.38972	-	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to x Axis to Line
	6.66667	35.00000	105.18375	0.22649	-0.35162	0.42829	-	-	-
	7.33333	35.00000	105.18375	0.28277	-0.47199	0.45883	-	-	-
	8.00000	35.00000	105.18375	0.32717	-0.59049	0.48276	-	-	-
	8.66667	35.00000	105.18375	0.35945	-0.70617	0.50103	-	-	-
	9.33333	35.00000	105.18375	0.37952	-0.81799	0.51427	-	-	-
	10.00000	35.00000	105.18375	0.38742	-0.92481	0.52279	-	-	-
	10.66667	35.00000	105.18375	0.40515	-1.0837	0.53583	-	-	-
	11.33333	35.00000	105.18375	0.40707	-1.2379	0.54357	-	-	-
	12.00000	35.00000	105.18375	0.39154	-1.3797	0.54573	-	-	-
	12.66667	35.00000	105.18375	0.35973	-1.5068	0.54227	-	-	-
	13.33333	35.00000	105.18375	0.31320	-1.6170	0.53310	-	-	-
	14.00000	35.00000	105.18375	0.25393	-1.7083	0.51813	-	-	-
	14.66667	35.00000	105.18375	0.18430	-1.7789	0.49738	-	-	-
	15.33333	35.00000	105.18375	0.10699	-1.8271	0.47098	-	-	-
	16.00000	35.00000	105.18375	0.025026	-1.8519	0.43917	-	-	-
	16.66667	35.00000	105.18375	-0.058410	-1.8524	0.40237	-	-	-
	17.33333	35.00000	105.18375	-0.14000	-1.8283	0.36116	-	-	-
	18.00000	35.00000	105.18375	-0.21643	-1.7795	0.31626	-	-	-
	18.66667	35.00000	105.18375	-0.28445	-1.7067	0.26848	-	-	-
	19.33333	35.00000	105.18375	-0.30004	-1.6202	0.23882	-	-	-
	20.00000	35.00000	105.18375	-0.28439	-1.5357	0.22331	-	-	-
	20.66667	35.00000	105.18375	-0.26873	-1.4511	0.20826	-	-	-
	21.33333	35.00000	105.18375	-0.25307	-1.3666	0.19362	-	-	-
	22.00000	35.00000	105.18375	-0.23742	-1.2820	0.17931	-	-	-
	22.66667	35.00000	105.18375	-0.22176	-1.1975	0.16528	-	-	-
	23.33333	35.00000	105.18375	-0.20610	-1.1129	0.15144	-	-	-
	24.00000	35.00000	105.18375	-0.19044	-1.0284	0.13773	-	-	-
	24.66667	35.00000	105.18375	-0.18654	-0.96108	0.12678	-	-	-
	25.33333	35.00000	105.18375	-0.20757	-0.87848	0.11696	-	-	-
	26.00000	35.00000	105.18375	-0.22006	-0.79022	0.10687	-	-	-
	26.66667	35.00000	105.18375	-0.22378	-0.69785	0.096727	-	-	-
	27.33333	35.00000	105.18375	-0.21874	-0.60280	0.086636	-	-	-
	28.00000	35.00000	105.18375	-0.20512	-0.50640	0.076560	-	-	-
	28.66667	35.00000	105.18375	-0.18329	-0.40980	0.066300	-	-	-
	29.33333	35.00000	105.18375	-0.15371	-0.31404	0.055463	-	-	-
	30.00000	35.00000	105.18375	-0.11695	-0.21908	0.043445	-	-	-
	30.66667	35.00000	105.18375	-0.073639	-0.12833	0.029414	-	-	-
	31.33333	35.00000	105.18375	-0.024425	-0.039649	0.012296	-	-	-
	32.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	32.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	33.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	34.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	34.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	35.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	36.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	36.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	37.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	38.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	38.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	39.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	40.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	40.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	41.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	42.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	42.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	43.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	44.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	44.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	45.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	46.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	46.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	47.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	48.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	48.66667	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	49.33333	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	50.00000	35.00000	105.18375	0.0	0.0	0.0	-	-	-
	0.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	0.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	1.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	2.00000	36.00000	105.18900	0.0	0.0	0.013612	-	-	-
	2.66667	36.00000	105.18900	0.0	0.0	0.063235	-	-	-
	3.33333	36.00000	105.18900	0.0	0.0	0.10869	-	-	-
	4.00000	36.00000	105.18900	0.0	0.0	0.14985	-	-	-
	4.66667	36.00000	105.18900	0.0	0.0	0.18657	-	-	-
	5.33333	36.00000	105.18900	0.0	0.0	0.21875	-	-	-
	6.00000	36.00000	105.18900	0.0	0.0	0.24627	-	-	-
	6.66667	36.00000	105.18900	0.051668	-0.085631	0.29224	-	-	-
	7.33333	36.00000	105.18900	0.11050	-0.19691	0.33001	-	-	-
	8.00000	36.00000	105.18900	0.15873	-0.30584	0.35856	-	-	-
	8.66667	36.00000	105.18900	0.19625	-0.41160	0.37942	-	-	-
	9.33333	36.00000	105.18900	0.22306	-0.51326	0.39371	-	-	-
	10.00000	36.00000	105.18900	0.23932	-0.60988	0.40227	-	-	-
	10.66667	36.00000	105.18900	0.24531	-0.70045	0.40569	-	-	-
	11.33333	36.00000	105.18900	0.24147	-0.78396	0.40437	-	-	-
	12.00000	36.00000	105.18900	0.22845	-0.85939	0.39860	-	-	-
	12.66667	36.00000	105.18900	0.20703	-0.92579	0.38857	-	-	-
	13.33333	36.00000	105.18900	0.17821	-0.98223	0.37446	-	-	-
	14.00000	36.00000	105.18900	0.14601	-1.0486	0.36061	-	-	-
	14.66667	36.00000	105.18900	0.10742	-1.1069	0.34287	-	-	-
	15.33333	36.00000	105.18900	0.062833	-1.1455	0.32061	-	-	-
	16.00000	36.00000	105.18900	0.014726	-1.1634	0.29416	-	-	-
	16.66667	36.00000	105.18900	-0.034259	-1.1599	0.26392	-	-	-
	17.33333	36.00000	105.18900	-0.081402	-1.1348	0.23031	-	-	-
	18.00000	36.00000	105.18900	-0.12397	-1.0882	0.19383	-	-	-
	18.66667	36.00000	105.18900	-0.15930	-1.0204	0.15493	-	-	-
	19.33333	36.00000	105.18900	-0.17847	-0.96371	0.12691	-	-	-
	20.00000	36.00000	105.18900	-0.17018	-0.91895	0.12108	-	-	-
	20.66667	36.00000	105.18900	-0.16189	-0.87419	0.11556	-	-	-
	21.33333	36.00000	105.18900	-0.15360	-0.82943	0.11032	-	-	-
	22.00000	36.00000	105.18900	-0.14531	-0.78467	0.10532	-	-	-
	22.66667	36.00000	105.18900	-0.13702	-0.73991	0.10051	-	-	-
	23.33333	36.00000	105.18900	-0.12873	-0.69515	0.095850	-	-	-
	24.00000	36.00000	105.18900	-0.12044	-0.65039	0.091288	-	-	-
	24.66667	36.00000	105.18900	-0.11215	-0.60562	0.086781	-	-	-
	25.33333	36.00000	105.18900	-0.12006	-0.54025	0.080010	-	-	-
	26.00000	36.00000	105.18900	-0.12257	-0.46800	0.072420	-	-	-
	26.66667	36.00000	105.18900	-0.11804	-0.39141	0.064075	-	-	-
	27.33333	36.00000	105.18900	-0.10637	-0.31170	0.054787	-	-	-
	28.00000	36.00000	105.18900	-0.087616	-0.22999	0.044231	-	-	-
	28.66667	36.00000	105.18900	-0.061972	-0.14733	0.031919	-	-	-
	29.33333	36.00000	105.18900	-0.029747	-0.064624	0.017184	-	-	-
	30.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	30.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	31.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	32.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	32.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	33.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	34.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	34.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	35.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	36.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	36.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	37.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	38.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	38.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	39.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	40.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	40.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	41.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	42.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	42.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	43.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	44.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	44.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	45.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	46.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	46.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	47.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	48.00000	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	48.66667	36.00000	105.18900	0.0	0.0	0.0	-	-	-
	49.33333	36.00000	105.18900	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Angle of Line Along the Line	Perpendicular to x Axis to Line
	50.00000	36.00000	105.18900		0.0	0.0	0.0	-	-
	0.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	1.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	2.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	3.33333	37.00000	105.19425		0.0	0.0	0.021222	-	-
	4.00000	37.00000	105.19425		0.0	0.0	0.061804	-	-
	4.66667	37.00000	105.19425		0.0	0.0	0.098268	-	-
	5.33333	37.00000	105.19425		0.0	0.0	0.13053	-	-
	6.00000	37.00000	105.19425		0.0	0.0	0.15852	-	-
	6.66667	37.00000	105.19425		0.0	0.0	0.18220	-	-
	7.33333	37.00000	105.19425		0.0	0.0	0.20155	-	-
	8.00000	37.00000	105.19425		0.0042135	-0.0086325	0.22258	-	-
	8.66667	37.00000	105.19425		0.047302	-0.10549	0.25315	-	-
	9.33333	37.00000	105.19425		0.080994	-0.19816	0.27506	-	-
	10.00000	37.00000	105.19425		0.10548	-0.28583	0.28962	-	-
	10.66667	37.00000	105.19425		0.12109	-0.36765	0.29786	-	-
	11.33333	37.00000	105.19425		0.12827	-0.44278	0.30062	-	-
	12.00000	37.00000	105.19425		0.12760	-0.51040	0.29853	-	-
	12.66667	37.00000	105.19425		0.11982	-0.56971	0.29214	-	-
	13.33333	37.00000	105.19425		0.10579	-0.61998	0.28190	-	-
	14.00000	37.00000	105.19425		0.086503	-0.66057	0.26821	-	-
	14.66667	37.00000	105.19425		0.063062	-0.69094	0.25147	-	-
	15.33333	37.00000	105.19425		0.036662	-0.71068	0.23209	-	-
	16.00000	37.00000	105.19425		0.0085655	-0.71950	0.21048	-	-
	16.66667	37.00000	105.19425		-0.019925	-0.71729	0.18712	-	-
	17.33333	37.00000	105.19425		-0.047498	-0.70408	0.16246	-	-
	18.00000	37.00000	105.19425		-0.072863	-0.68005	0.13700	-	-
	18.66667	37.00000	105.19425		-0.094781	-0.64553	0.11124	-	-
	19.33333	37.00000	105.19425		-0.11132	-0.60115	0.086331	-	-
	20.00000	37.00000	105.19425		-0.10303	-0.55639	0.081826	-	-
	20.66667	37.00000	105.19425		-0.094745	-0.51163	0.077270	-	-
	21.33333	37.00000	105.19425		-0.086456	-0.46686	0.072611	-	-
	22.00000	37.00000	105.19425		-0.078167	-0.42210	0.067797	-	-
	22.66667	37.00000	105.19425		-0.069878	-0.37734	0.062773	-	-
	23.33333	37.00000	105.19425		-0.061589	-0.33258	0.057483	-	-
	24.00000	37.00000	105.19425		-0.053300	-0.28782	0.051871	-	-
	24.66667	37.00000	105.19425		-0.045011	-0.24306	0.045876	-	-
	25.33333	37.00000	105.19425		-0.040386	-0.19255	0.038569	-	-
	26.00000	37.00000	105.19425		-0.033267	-0.13458	0.029415	-	-
	26.66667	37.00000	105.19425		-0.020544	-0.072173	0.018397	-	-
	27.33333	37.00000	105.19425		-0.0020507	-0.0063668	0.0050789	-	-
	28.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	28.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	29.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	30.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	31.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	32.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	33.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	34.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	35.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	36.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	37.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	38.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	39.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	40.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	41.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	42.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	43.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	44.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	45.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	46.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	47.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	48.66667	37.00000	105.19425		0.0	0.0	0.0	-	-
	49.33333	37.00000	105.19425		0.0	0.0	0.0	-	-
	50.00000	37.00000	105.19425		0.0	0.0	0.0	-	-
	0.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	0.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	1.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	2.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	3.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	4.66667	38.00000	105.19950		0.0	0.0	0.014512	-	-
	5.33333	38.00000	105.19950		0.0	0.0	0.047097	-	-
	6.00000	38.00000	105.19950		0.0	0.0	0.075761	-	-
	6.66667	38.00000	105.19950		0.0	0.0	0.10048	-	-
	7.33333	38.00000	105.19950		0.0	0.0	0.12126	-	-
	8.00000	38.00000	105.19950		0.0	0.0	0.13813	-	-
	8.66667	38.00000	105.19950		0.0	0.0	0.15114	-	-
	9.33333	38.00000	105.19950		0.0	0.0	0.16037	-	-
	10.00000	38.00000	105.19950		0.0	0.0	0.16595	-	-
	10.66667	38.00000	105.19950		0.0088811	-0.028569	0.17813	-	-
	11.33333	38.00000	105.19950		0.026376	-0.096470	0.18994	-	-
	12.00000	38.00000	105.19950		0.037135	-0.15738	0.19582	-	-
	12.66667	38.00000	105.19950		0.041815	-0.21065	0.19662	-	-
	13.33333	38.00000	105.19950		0.041179	-0.25570	0.19304	-	-
	14.00000	38.00000	105.19950		0.036088	-0.29199	0.18571	-	-
	14.66667	38.00000	105.19950		0.027488	-0.31910	0.17517	-	-
	15.33333	38.00000	105.19950		0.016393	-0.33669	0.16192	-	-
	16.00000	38.00000	105.19950		0.0038714	-0.34456	0.14643	-	-
	16.66667	38.00000	105.19950		-0.0089817	-0.34259	0.12911	-	-
	17.33333	38.00000	105.19950		-0.021063	-0.33081	0.11038	-	-
	18.00000	38.00000	105.19950		-0.031286	-0.30938	0.090581	-	-
	18.66667	38.00000	105.19950		-0.038601	-0.27855	0.070023	-	-
	19.33333	38.00000	105.19950		-0.042019	-0.23870	0.048932	-	-
	20.00000	38.00000	105.19950		-0.035893	-0.19382	0.038771	-	-
	20.66667	38.00000	105.19950		-0.027603	-0.14906	0.031779	-	-
	21.33333	38.00000	105.19950		-0.019314	-0.10430	0.024217	-	-
	22.00000	38.00000	105.19950		-0.011025	-0.059536	0.016019	-	-
	22.66667	38.00000	105.19950		-0.0027361	-0.014775	0.0071210	-	-
	23.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	24.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	25.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	26.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	27.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	28.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	29.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	30.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	31.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	32.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	33.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	34.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	35.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	36.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	37.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	38.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	39.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.00000	38.00000	105.19950		0.0	0.0	0.0	-	-
	40.66667	38.00000	105.19950		0.0	0.0	0.0	-	-
	41.33333	38.00000	105.19950		0.0	0.0	0.0	-	-
	42.00000	38.00000	105.19950		0.0	0.0	0.0	-	-

Type/No.		Coordinates			Displacements			Angle of Line	
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line
	42.66667	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	43.33333	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	44.00000	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	44.66667	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	45.33333	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	46.00000	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	46.66667	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	47.33333	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	48.00000	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	48.66667	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	49.33333	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	50.00000	38.00000	105.19950	0.0	0.0	0.0	-	-	-
	0.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	0.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	1.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	2.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	2.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	3.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	4.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	4.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	5.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	6.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	6.66667	39.00000	105.20475	0.0	0.0	0.023375	-	-	-
	7.33333	39.00000	105.20475	0.0	0.0	0.045655	-	-	-
	8.00000	39.00000	105.20475	0.0	0.0	0.064385	-	-	-
	8.66667	39.00000	105.20475	0.0	0.0	0.079627	-	-	-
	9.33333	39.00000	105.20475	0.0	0.0	0.091475	-	-	-
	10.00000	39.00000	105.20475	0.0	0.0	0.10004	-	-	-
	10.66667	39.00000	105.20475	0.0	0.0	0.10548	-	-	-
	11.33333	39.00000	105.20475	0.0	0.0	0.10797	-	-	-
	12.00000	39.00000	105.20475	0.0	0.0	0.10771	-	-	-
	12.66667	39.00000	105.20475	0.0	0.0	0.10493	-	-	-
	13.33333	39.00000	105.20475	0.0	0.0	0.099896	-	-	-
	14.00000	39.00000	105.20475	0.0	0.0	0.092894	-	-	-
	14.66667	39.00000	105.20475	0.0	0.0	0.084228	-	-	-
	15.33333	39.00000	105.20475	0.0	0.0	0.074223	-	-	-
	16.00000	39.00000	105.20475	0.0	0.0	0.063216	-	-	-
	16.66667	39.00000	105.20475	0.0	0.0	0.051552	-	-	-
	17.33333	39.00000	105.20475	0.0	0.0	0.039581	-	-	-
	18.00000	39.00000	105.20475	0.0	0.0	0.027652	-	-	-
	18.66667	39.00000	105.20475	0.0	0.0	0.016104	-	-	-
	19.33333	39.00000	105.20475	0.0	0.0	0.0052692	-	-	-
	20.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	20.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	21.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	22.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	22.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	23.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	24.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	24.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	25.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	26.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	26.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	27.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	28.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	28.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	29.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	30.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	30.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	31.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	32.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	32.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	33.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	34.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	34.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	35.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	36.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	36.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	37.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	38.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	38.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	39.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	40.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	40.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	41.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	42.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	42.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	43.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	44.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	44.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	45.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	46.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	46.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	47.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	48.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	48.66667	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	49.33333	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	50.00000	39.00000	105.20475	0.0	0.0	0.0	-	-	-
	0.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	0.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	1.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	2.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	2.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	3.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	4.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	4.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	5.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	6.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	6.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	7.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	8.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	8.66667	40.00000	105.21000	0.0	0.0	0.012220	-	-	-
	9.33333	40.00000	105.21000	0.0	0.0	0.026570	-	-	-
	10.00000	40.00000	105.21000	0.0	0.0	0.037968	-	-	-
	10.66667	40.00000	105.21000	0.0	0.0	0.046554	-	-	-
	11.33333	40.00000	105.21000	0.0	0.0	0.052493	-	-	-
	12.00000	40.00000	105.21000	0.0	0.0	0.055971	-	-	-
	12.66667	40.00000	105.21000	0.0	0.0	0.057202	-	-	-
	13.33333	40.00000	105.21000	0.0	0.0	0.056417	-	-	-
	14.00000	40.00000	105.21000	0.0	0.0	0.053869	-	-	-
	14.66667	40.00000	105.21000	0.0	0.0	0.049827	-	-	-
	15.33333	40.00000	105.21000	0.0	0.0	0.044575	-	-	-
	16.00000	40.00000	105.21000	0.0	0.0	0.038407	-	-	-
	16.66667	40.00000	105.21000	0.0	0.0	0.031623	-	-	-
	17.33333	40.00000	105.21000	0.0	0.0	0.024529	-	-	-
	18.00000	40.00000	105.21000	0.0	0.0	0.017427	-	-	-
	18.66667	40.00000	105.21000	0.0	0.0	0.010615	-	-	-
	19.33333	40.00000	105.21000	0.0	0.0	0.0043821	-	-	-
	20.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	20.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	21.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	22.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	22.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	23.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	24.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	24.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	25.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	26.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	26.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	27.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	28.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	28.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	29.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	30.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	30.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	31.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	32.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	32.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	33.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	34.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	34.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Along the Line	Perpendicular to Line	Angle of Line to x Axis
	35.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	36.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	37.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	38.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	39.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	40.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	41.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	42.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	43.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	44.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	45.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	46.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	47.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	48.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	48.66667	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	49.33333	40.00000	105.21000	0.0	0.0	0.0	-	-	-
	50.00000	40.00000	105.21000	0.0	0.0	0.0	-	-	-
Christchurch Line 1	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	0.0
A									
	1.0000	25.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	0.0
	2.0000	26.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	0.0
	3.0000	27.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	0.0
	4.0000	28.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	0.0
Christchurch Line 2	28.60000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	270.00
B									
	1.2000	28.60000	9.20000	102.31000	0.0	0.0	0.0	0.0	0.0	270.00
	2.4000	28.60000	8.00000	102.31000	-0.32888	0.051928	0.16469	-0.051928	-0.32888	270.00
Christchurch Line 3	28.60000	8.00000	102.31000	-0.32888	0.051928	0.16469	-0.32888	0.051928	0.0
C									
	0.90000	29.50000	8.00000	102.31000	-0.26575	0.037517	0.11613	-0.26575	0.037517	0.0
	1.8000	30.40000	8.00000	102.31000	-0.21420	0.027345	0.079243	-0.21420	0.027345	0.0
	2.7000	31.30000	8.00000	102.31000	-0.17135	0.019963	0.052047	-0.17135	0.019963	0.0
	3.6000	32.20000	8.00000	102.31000	-0.13519	0.014485	0.032792	-0.13519	0.014485	0.0
Christchurch Line 4	32.20000	8.00000	102.31000	-0.13519	0.014485	0.032792	0.014485	0.13519	90.000
D									
	1.2000	32.20000	9.20000	102.31000	0.0	0.0	0.0	0.0	0.0	90.000
	2.4000	32.20000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	90.000
Christchurch Line 5	32.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
E									
	1.0000	33.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
	2.0000	34.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
	3.0000	35.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
	4.0000	36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	0.0
Christchurch Line 6	36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
F									
	1.0570	36.35556	11.45556	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	2.1140	36.41111	12.51111	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	3.1710	36.46667	13.56667	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	4.2281	36.52222	14.62222	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	5.2851	36.57778	15.67778	102.31000	0.0	0.0	0.0	0.0	0.0	86.987
	6.3421	36.63333	16.73333	102.31000	-0.011933	0.0019580	0.0017310	0.0013281	0.012020	86.987
	7.3991	36.68889	17.78889	102.31000	-0.084341	0.0078876	0.012233	0.0034438	0.084639	86.987
	8.4561	36.74444	18.84444	102.31000	-0.15768	0.0037018	0.022793	-0.0045905	0.15765	86.987
	9.5131	36.80000	19.90000	102.31000	-0.22322	-0.010280	0.032050	-0.021998	0.22237	86.987
Christchurch Line 7	36.80000	19.90000	102.31000	-0.22322	-0.010280	0.032050	0.22322	0.010280	180.00
G									
	1.1000	35.70000	19.90000	102.31000	-0.33839	-0.016800	0.056415	0.33839	0.016800	180.00
	2.2000	34.60000	19.90000	102.31000	-0.45826	-0.024676	0.093214	0.45826	0.024676	180.00
Christchurch Line 8	34.60000	19.90000	102.31000	-0.45826	-0.024676	0.093214	-0.024676	0.45826	90.000
H									
	0.56667	34.60000	20.46667	102.31000	-0.53816	-0.052436	0.10892	-0.052436	0.53816	90.000
	1.1333	34.60000	21.03333	102.31000	-0.61058	-0.086107	0.12262	-0.086107	0.61058	90.000
	1.7000	34.60000	21.60000	102.31000	-0.67366	-0.12437	0.13387	-0.12437	0.67366	90.000
Christchurch Line 9	34.60000	21.60000	102.31000	-0.67366	-0.12437	0.13387	0.67366	0.12437	180.00
I									
	1.0000	33.60000	21.60000	102.31000	-0.86208	-0.17242	0.20826	0.86208	0.17242	180.00
	2.0000	32.60000	21.60000	102.31000	-1.0680	-0.23303	0.31321	1.0680	0.23303	180.00
	3.0000	31.60000	21.60000	102.31000	-1.2958	-0.31100	0.45537	1.2958	0.31100	180.00
Christchurch Line 10	31.60000	21.60000	102.31000	-1.2958	-0.31100	0.45537	0.78148	1.0795	139.40
J									
	1.2293	30.66667	22.40000	102.31000	-1.7215	-0.60760	0.69658	0.91166	1.5817	139.40
	2.4585	29.73333	23.20000	102.31000	-2.1552	-1.0600	0.99646	0.94657	2.2074	139.40
	3.6878	28.80000	24.00000	102.31000	-2.5307	-1.6871	1.3373	0.82347	2.9279	139.40
Christchurch Line 11	28.80000	24.00000	102.31000	-2.5307	-1.6871	1.3373	-3.0260	-0.30698	27.897
K									
	0.96177	29.65000	24.45000	102.31000	-2.2402	-1.4610	1.0212	-2.6635	-0.24306	27.897
	1.9235	30.50000	24.90000	102.31000	-1.9552	-1.2522	0.75491	-2.3139	-0.19187	27.897
Christchurch Line 12	30.50000	24.90000	102.31000	-1.9552	-1.2522	0.75491	-0.13284	2.3180	119.36
L									
	0.91788	30.05000	25.70000	102.31000	-2.0257	-1.5582	0.81744	-0.36499	2.5295	119.36
	1.8358	29.60000	26.50000	102.31000	-2.0270	-1.8496	0.85127	-0.61833	2.6734	119.36
Christchurch Line 13	29.60000	26.50000	102.31000	-2.0270	-1.8496	0.85127	2.7380	-0.18132	226.17
M									
	1.7328	28.40000	25.25000	102.31000	-2.5498	-2.2685	1.4081	3.4023	-0.26833	226.17
	3.4655	27.20000	24.00000	102.31000	-3.0630	-2.6254	2.0748	4.0152	-0.39142	226.17
Christchurch Line 14	27.20000	24.00000	102.31000	-3.0630	-2.6254	2.0748	1.3001	-3.8190	291.80
N									
	1.0770	27.60000	23.00000	102.31000	-2.9298	-1.8555	1.8358	0.63472	-3.4094	291.80
	2.1541	28.00000	22.00000	102.31000	-2.5516	-1.1163	1.4918	0.088841	-2.7837	291.80
	3.2311	28.40000	21.00000	102.31000	-1.9786	-0.52374	1.0910	-0.24854	-2.0316	291.80
	4.3081	28.80000	20.00000	102.31000	-1.3121	-0.14579	0.68858	-0.35193	-1.2724	291.80
Christchurch Line 15	28.80000	20.00000	103.13000	-1.3121	-0.14579	0.68858	1.3121	0.14579	180.00
O									
	0.90000	27.90000	20.00000	103.13000	-1.5024	-0.19079	0.86057	1.5024	0.19079	180.00
	1.8000	27.00000	20.00000	103.13000	-1.7302	-0.25633	1.0635	1.7302	0.25633	180.00
Christchurch Line 16	27.00000	20.00000	103.13000	-1.7302	-0.25633	1.0635	1.6112	-0.68066	211.33
P									
	1.3463	25.85000	19.30000	103.13000	-1.1856	-0.027897	0.76793	1.0273	-0.59264	211.33
	2.6926	24.70000	18.60000	103.13000	0.0	0.0	0.0	0.0	0.0	211.33
Christchurch Line 17	24.70000	18.60000	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
Q									
	1.0251	24.68750	17.57500	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	2.0502	24.67500	16.55000	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	3.0752	24.66250	15.52500	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	4.1003	24.65000	14.50000	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	5.1254	24.63750	13.47500	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	6.1505	24.62500	12.45000	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	7.1755	24.61250	11.42500	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
	8.2006	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0	0.0	269.30
Well Road A	Line 18	16.70000	21.90000	104.00000	-2.0233	-10.926	7.2786	0.067649	-11.111	349.16
	0.95708	17.64000	21.72000	104.00000	-2.0240	-10.930	7.2799	0.067674	-11.115	349.16
	1.9142	18.58000	21.54000	104.00000	-2.0248	-10.934	7.2812	0.067699	-11.120	349.16
	2.8712	19.52000	21.36000	104.00000	-2.0255	-10.938	7.2824	0.067724	-11.124	349.16
	3.8283	20.46000	21.18000	104.00000	-2.0263	-10.942	7.2837	0.067749	-11.128	349.16
	4.7854	21.40000	21.00000	104.00000	-2.0270	-10.946	7.2850	0.067774	-11.132	349.16
Well Road B	Line 19	21.40000	21.00000	102.50000	-2.0270	-10.946	7.2850	0.15901	-11.131	348.69
	1.0198	22.40000	20.80000	102.50000	-4.0701	-8.1402	5.9667	-2.3946	-8.7804	348.69
	2.0396	23.40000	20.60000	102.50000	-4.5368	-3.5286	3.8123	-3.7566	-4.3498	348.69
Well Road C	Line 20	23.40000	20.60000	102.50000	-4.5368	-3.5286	3.8123	-4.1625	3.9631	81.469
	1.0112	23.55000	21.60000	102.50000	-4.3638	-5.3709	4.6036	-5.9588	3.5188	81.469
	2.0224	23.70000	22.60000	102.50000	-3.8211	-6.1865	4.7503	-6.6849	2.8611	81.469
	3.0336	23.85000	23.60000	102.50000	-3.2860	-6.4259	4.5270	-6.8423	2.2964	81.469
	4.0447	24.00000	24.60000	102.50000	-2.8203	-6.3456	4.0894	-6.6938	1.8478	81.469
Well Road D	Line 21	24.00000	24.60000	102.50000	-2.8203	-6.3456	4.0894	-1.6025	-6.7567	349.38
	1.0853	25.06667	24.40000	102.50000	-3.2601	-4.8902	3.3683	-2.3031	-5.4072	349.38
	2.1705	26.13333	24.20000	102.50000	-3.2878	-3.6262	2.6830	-2.5632	-4.1700	349.38
	3.2558	27.20000	24.00000	102.50000	-3.0630	-2.6254	2.0748	-2.5267	-3.1449	349.38
Well Road E	Line 22	27.20000	24.00000	102.50000	-3.0630	-2.6254	2.0748	-4.0152	0.39142	46.169
	1.7328	28.40000	25.25000	102.50000	-2.5498	-2.2685	1.4081	-3.4023	0.26833	46.169
	3.4655	29.60000	26.50000	102.50000	-2.0270	-1.8496	0.85127	-2.7380	0.18132	46.169
Well Road F	Line 23	29.60000	26.50000	102.50000	-2.0270	-1.8496	0.85127	-0.74785	2.6401	116.57
	1.1180	29.10000	27.50000	102.50000	-1.9240	-2.1292	0.83345	-1.0440	2.6730	116.57
	2.2361	28.60000	28.50000	102.50000	-1.7427	-2.3153	0.77187	-1.2915	2.5942	116.57
Well Road G	Line 24	28.60000	28.50000	102.50000	-1.7427	-2.3153	0.77187	2.8210	0.66302	219.81
	0.39051	28.30000	28.25000	102.50000	-1.8503	-2.4992	0.89070	3.0214	0.73545	219.81

Type/No.		Coordinates			Displacements			Angle of Line		
Name	Dist.	x	y	z	x	y	z	Along the Line	Perpendicular to Line	to x Axis
	0.78102	28.00000	28.00000	102.50000	-1.9559	-2.6893	1.0220	3.2242	0.81387	210.81
Well Road H	Line 25	28.00000	28.00000	102.50000	-1.9559	-2.6893	1.0220	1.6582	2.8824	173.88
	0.93868	27.06667	28.10000	102.50000	-1.9856	-3.2327	1.2607	1.6300	3.4259	173.88
	1.8774	26.13333	28.20000	102.50000	-1.9229	-3.8175	1.5127	1.5052	4.0006	173.88
	2.8160	25.20000	28.30000	102.50000	-1.7494	-4.4220	1.7655	1.2683	4.5832	173.88
	3.7547	24.26667	28.40000	102.50000	-1.4537	-5.0153	2.0038	0.91115	5.1417	173.88
	4.6934	23.33333	28.50000	102.50000	-1.0361	-5.5591	2.2105	0.43798	5.6379	173.88
	5.6321	22.40000	28.60000	102.50000	-1.0397	-5.6143	2.2566	0.43566	5.6932	173.88
Well Road I	Line 26	22.40000	28.60000	104.00000	-1.0397	-5.6143	2.2566	0.48963	5.6888	174.43
	1.0299	21.37500	28.70000	104.00000	-1.0511	-5.6758	2.3122	0.49499	5.7511	174.43
	2.0597	20.35000	28.80000	104.00000	-1.0625	-5.7374	2.3685	0.50036	5.8134	174.43
	3.0896	19.32500	28.90000	104.00000	-1.0739	-5.7989	2.4254	0.50572	5.8757	174.43
	4.1195	18.30000	29.00000	104.00000	-1.0853	-5.8604	2.4830	0.51108	5.9381	174.43
Well Road J	Line 27	18.30000	29.00000	104.00000	-1.0853	-5.8604	2.4830	5.9556	0.22963	257.30
	0.90976	18.10000	28.11250	104.00000	-1.2025	-6.4935	3.1112	6.5990	0.25444	257.30
	1.8195	17.90000	27.22500	104.00000	-1.3198	-7.1267	3.7913	7.2425	0.27926	257.30
	2.7293	17.70000	26.33750	104.00000	-1.4370	-7.7599	4.5006	7.8860	0.30407	257.30
	3.6390	17.50000	25.45000	104.00000	-1.5543	-8.3930	5.2105	8.5294	0.32888	257.30
	4.5488	17.30000	24.56250	104.00000	-1.6715	-9.0262	5.8865	9.1729	0.35369	257.30
	5.4585	17.10000	23.67500	104.00000	-1.7888	-9.6594	6.4884	9.8163	0.37850	257.30
	6.3683	16.90000	22.78750	104.00000	-1.9060	-10.293	6.9698	10.460	0.40331	257.30
	7.2780	16.70000	21.90000	104.00000	-2.0233	-10.926	7.2786	11.103	0.42812	257.30

Specific Building Damage Results - Horizontal Displacements

Structure: Christchurch A | Sub-structure: Sub 1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
1.0000	25.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
2.0000	26.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
3.0000	27.60000	10.40000	103.13000	0.0	0.0	0.0	0.0
4.0000	28.60000	10.40000	103.13000	0.0	0.0	0.0	0.0

Structure: Christchurch B | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.60000	10.40000	102.31000	0.0	0.0	0.0	0.0
1.2000	28.60000	9.20000	102.31000	0.0	0.0	0.0	0.0
2.4000	28.60000	8.00000	102.31000	-0.32888	0.051928	-0.051928	-0.32888

Structure: Christchurch C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.60000	8.00000	102.31000	-0.32888	0.051928	-0.32888	0.051928
0.90000	29.50000	8.00000	102.31000	-0.26575	0.037517	-0.26575	0.037517
1.8000	30.40000	8.00000	102.31000	-0.21420	0.027345	-0.21420	0.027345
2.7000	31.30000	8.00000	102.31000	-0.17135	0.019963	-0.17135	0.019963
3.6000	32.20000	8.00000	102.31000	-0.13519	0.014485	-0.13519	0.014485

Structure: Christchurch D | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.20000	8.00000	102.31000	-0.13519	0.014485	0.014485	0.13519
1.2000	32.20000	9.20000	102.31000	0.0	0.0	0.0	0.0
2.4000	32.20000	10.40000	102.31000	0.0	0.0	0.0	0.0

Structure: Christchurch E | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.30000	10.40000	102.31000	0.0	0.0	0.0	0.0
1.0000	33.30000	10.40000	102.31000	0.0	0.0	0.0	0.0
2.0000	34.30000	10.40000	102.31000	0.0	0.0	0.0	0.0
3.0000	35.30000	10.40000	102.31000	0.0	0.0	0.0	0.0
4.0000	36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0

Structure: Christchurch F | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.30000	10.40000	102.31000	0.0	0.0	0.0	0.0
1.0570	36.35556	11.45556	102.31000	0.0	0.0	0.0	0.0
2.1140	36.41111	12.51111	102.31000	0.0	0.0	0.0	0.0
3.1710	36.46667	13.56667	102.31000	0.0	0.0	0.0	0.0
4.2281	36.52222	14.62222	102.31000	0.0	0.0	0.0	0.0
5.2851	36.57778	15.67778	102.31000	0.0	0.0	0.0	0.0
6.3421	36.63333	16.73333	102.31000	-0.011933	0.0019580	0.0013281	0.012020
7.3991	36.68889	17.78889	102.31000	-0.084341	0.0078876	0.0034438	0.084639
8.4561	36.74444	18.84444	102.31000	-0.15768	0.0037018	-0.0045905	0.15765
9.5131	36.80000	19.90000	102.31000	-0.22322	-0.010280	-0.021998	0.22237

Structure: Christchurch G | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.80000	19.90000	102.31000	-0.22322	-0.010280	0.22322	0.010280
1.1000	35.70000	19.90000	102.31000	-0.33839	-0.016800	0.33839	0.016800
2.2000	34.60000	19.90000	102.31000	-0.45826	-0.024676	0.45826	0.024676

Structure: Christchurch H | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.60000	19.90000	102.31000	-0.45826	-0.024676	-0.024676	0.45826
0.56667	34.60000	20.46667	102.31000	-0.53816	-0.052436	-0.052436	0.53816
1.1333	34.60000	21.03333	102.31000	-0.61058	-0.086107	-0.086107	0.61058
1.7000	34.60000	21.60000	102.31000	-0.67366	-0.12437	-0.12437	0.67366

Structure: Christchurch I | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line

[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.60000	21.60000	102.31000	-0.67366	-0.12437	0.67366	0.12437
1.0000	33.60000	21.60000	102.31000	-0.86208	-0.17242	0.86208	0.17242
2.0000	32.60000	21.60000	102.31000	-1.0680	-0.23303	1.0680	0.23303
3.0000	31.60000	21.60000	102.31000	-1.2958	-0.31100	1.2958	0.31100

Structure: Christchurch J | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.60000	21.60000	102.31000	-1.2958	-0.31100	0.78148	1.0795
1.2293	30.66667	22.40000	102.31000	-1.7215	-0.60760	0.91166	1.5817
2.4585	29.73333	23.20000	102.31000	-2.1552	-1.0600	0.94657	2.2074
3.6878	28.80000	24.00000	102.31000	-2.5307	-1.6871	0.82347	2.9279

Structure: Christchurch K | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.80000	24.00000	102.31000	-2.5307	-1.6871	-3.0260	-0.30698
0.96177	29.65000	24.45000	102.31000	-2.2402	-1.4610	-2.6635	-0.24306
1.9235	30.50000	24.90000	102.31000	-1.9552	-1.2522	-2.3139	-0.19187

Structure: Christchurch L | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.50000	24.90000	102.31000	-1.9552	-1.2522	-0.13284	2.3180
0.91788	30.05000	25.70000	102.31000	-2.0257	-1.5582	-0.36499	2.5295
1.8358	29.60000	26.50000	102.31000	-2.0270	-1.8496	-0.61833	2.6734

Structure: Christchurch M | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.60000	26.50000	102.31000	-2.0270	-1.8496	2.7380	-0.18132
1.7328	28.40000	25.25000	102.31000	-2.5498	-2.2685	3.4023	-0.26833
3.4655	27.20000	24.00000	102.31000	-3.0630	-2.6254	4.0152	-0.39142

Structure: Christchurch N | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.20000	24.00000	102.31000	-3.0630	-2.6254	1.3001	-3.8190
1.0770	27.60000	23.00000	102.31000	-2.9298	-1.8555	0.63472	-3.4094
2.1541	28.00000	22.00000	102.31000	-2.5516	-1.1163	0.088841	-2.7837
3.2311	28.40000	21.00000	102.31000	-1.9786	-0.52374	-0.24854	-2.0316
4.3081	28.80000	20.00000	102.31000	-1.3121	-0.14579	-0.35193	-1.2724

Structure: Christchurch O | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	28.80000	20.00000	103.13000	-1.3121	-0.14579	1.3121	0.14579
0.90000	27.90000	20.00000	103.13000	-1.5024	-0.19079	1.5024	0.19079
1.8000	27.00000	20.00000	103.13000	-1.7302	-0.25633	1.7302	0.25633

Structure: Christchurch P | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.00000	20.00000	103.13000	-1.7302	-0.25633	1.6112	-0.68066
1.3463	25.85000	19.30000	103.13000	-1.1856	-0.027897	1.0273	-0.59264
2.6926	24.70000	18.60000	103.13000	0.0	0.0	0.0	0.0

Structure: Christchurch Q | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.70000	18.60000	103.13000	0.0	0.0	0.0	0.0
1.0251	24.68750	17.57500	103.13000	0.0	0.0	0.0	0.0
2.0502	24.67500	16.55000	103.13000	0.0	0.0	0.0	0.0
3.0752	24.66250	15.52500	103.13000	0.0	0.0	0.0	0.0
4.1003	24.65000	14.50000	103.13000	0.0	0.0	0.0	0.0
5.1254	24.63750	13.47500	103.13000	0.0	0.0	0.0	0.0
6.1505	24.62500	12.45000	103.13000	0.0	0.0	0.0	0.0
7.1755	24.61250	11.42500	103.13000	0.0	0.0	0.0	0.0
8.2006	24.60000	10.40000	103.13000	0.0	0.0	0.0	0.0

Structure: Well Road A | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	16.70000	21.90000	104.00000	-2.0233	-10.926	0.067649	-11.111
0.95708	17.64000	21.72000	104.00000	-2.0240	-10.930	0.067674	-11.115
1.9142	18.58000	21.54000	104.00000	-2.0248	-10.934	0.067699	-11.120
2.8712	19.52000	21.36000	104.00000	-2.0255	-10.938	0.067724	-11.124
3.8283	20.46000	21.18000	104.00000	-2.0263	-10.942	0.067749	-11.128
4.7854	21.40000	21.00000	104.00000	-2.0270	-10.946	0.067774	-11.132

Structure: Well Road B | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Along the Line	Perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.40000	21.00000	102.50000	-2.0270	-10.946	0.15901	-11.131
1.0198	22.40000	20.80000	102.50000	-4.0701	-8.1402	-2.3946	-8.7804
2.0396	23.40000	20.60000	102.50000	-4.5368	-3.5286	-3.7566	-4.3498

Structure: Well Road C | Sub-structure:

Dist.	Coordinates			Displacements

x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]
0.0	23.40000	20.60000	102.50000	-4.5368	-3.5286	-4.1625	3.9631
1.0112	23.55000	21.60000	102.50000	-4.3638	-5.3709	-5.9588	3.5188
2.0224	23.70000	22.60000	102.50000	-3.8211	-6.1865	-6.6849	2.8611
3.0336	23.85000	23.60000	102.50000	-3.2860	-6.4259	-6.8423	2.2964
4.0447	24.00000	24.60000	102.50000	-2.8203	-6.3456	-6.6938	1.8478

Structure: Well Road D | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	24.00000	24.60000	102.50000	-2.8203	-6.3456	-1.6025	-6.7567
1.0853	25.06667	24.40000	102.50000	-3.2601	-4.8902	-2.3031	-5.4072
2.1705	26.13333	24.20000	102.50000	-3.2878	-3.6262	-2.5632	-4.1700
3.2558	27.20000	24.00000	102.50000	-3.0630	-2.6254	-2.5267	-3.1449

Structure: Well Road E | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	27.20000	24.00000	102.50000	-3.0630	-2.6254	-4.0152	0.39142
1.7328	28.40000	25.25000	102.50000	-2.5498	-2.2685	-3.4023	0.26833
3.4655	29.60000	26.50000	102.50000	-2.0270	-1.8496	-2.7380	0.18132

Structure: Well Road F | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	29.60000	26.50000	102.50000	-2.0270	-1.8496	-0.74785	2.6401
1.1180	29.10000	27.50000	102.50000	-1.9240	-2.1292	-1.0440	2.6730
2.2361	28.60000	28.50000	102.50000	-1.7427	-2.3153	-1.2915	2.5942

Structure: Well Road G | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	28.60000	28.50000	102.50000	-1.7427	-2.3153	2.8210	0.66302
0.39051	28.30000	28.25000	102.50000	-1.8503	-2.4992	3.0214	0.73545
0.78102	28.00000	28.00000	102.50000	-1.9559	-2.6893	3.2242	0.81387

Structure: Well Road H | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	28.00000	28.00000	102.50000	-1.9559	-2.6893	1.6582	2.8824
0.93868	27.06667	28.10000	102.50000	-1.9856	-3.2327	1.6300	3.4259
1.8774	26.13333	28.20000	102.50000	-1.9229	-3.8175	1.5052	4.0006
2.8160	25.20000	28.30000	102.50000	-1.7494	-4.4220	1.2683	4.5832
3.7547	24.26667	28.40000	102.50000	-1.4537	-5.0153	0.91115	5.1417
4.6934	23.33333	28.50000	102.50000	-1.0361	-5.5591	0.43798	5.6379
5.6321	22.40000	28.60000	102.50000	-1.0397	-5.6143	0.43566	5.6932

Structure: Well Road I | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	22.40000	28.60000	104.00000	-1.0397	-5.6143	0.48963	5.6888
1.0299	21.37500	28.70000	104.00000	-1.0511	-5.6758	0.49499	5.7511
2.0597	20.35000	28.80000	104.00000	-1.0625	-5.7374	0.50036	5.8134
3.0896	19.32500	28.90000	104.00000	-1.0739	-5.7989	0.50572	5.8757
4.1195	18.30000	29.00000	104.00000	-1.0853	-5.8604	0.51108	5.9381

Structure: Well Road J | Sub-structure:

Dist.	Coordinates			Displacements			
x [m]	y [m]	z [m]	x [mm]	y [mm]	Along the Line [mm]	Perpendicular to Line [mm]	
0.0	18.30000	29.00000	104.00000	-1.0853	-5.8604	5.9556	0.22963
0.90976	18.10000	28.11250	104.00000	-1.2025	-6.4935	6.5990	0.25444
1.8195	17.90000	27.22500	104.00000	-1.3198	-7.1267	7.2425	0.27926
2.7293	17.70000	26.33750	104.00000	-1.4370	-7.7599	7.8860	0.30407
3.6390	17.50000	25.45000	104.00000	-1.5543	-8.3930	8.5294	0.32888
4.5488	17.30000	24.56250	104.00000	-1.6715	-9.0262	9.1729	0.35369
5.4585	17.10000	23.67500	104.00000	-1.7888	-9.6594	9.8163	0.37850
6.3683	16.90000	22.78750	104.00000	-1.9060	-10.293	10.460	0.40331
7.2780	16.70000	21.90000	104.00000	-2.0233	-10.926	11.103	0.42812

Specific Building Damage Results - Vertical Displacements

Structure: Christchurch A | Sub-structure: Sub 1

Dist.	Coordinates			Displacements
x [m]	y [m]	z [m]	z [mm]	

Vertical Offset 1

0.0	24.60000	10.40000	103.13000	0.0
1.0000	25.60000	10.40000	103.13000	0.0
2.0000	26.60000	10.40000	103.13000	0.0
3.0000	27.60000	10.40000	103.13000	0.0
4.0000	28.60000	10.40000	103.13000	0.0

Structure: Christchurch B | Sub-structure:

Dist.	Coordinates			Displacements
x [m]	y [m]	z [m]	z [mm]	

Vertical Offset 1

0.0	28.60000	10.40000	102.31000	0.0
1.2000	28.60000	9.20000	102.31000	0.0
2.4000	28.60000	8.00000	102.31000	0.16469

Structure: Christchurch C | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.60000	8.00000	102.31000	0.16469
0.90000	29.50000	8.00000	102.31000	0.11613
1.8000	30.40000	8.00000	102.31000	0.079243
2.7000	31.30000	8.00000	102.31000	0.052047
3.6000	32.20000	8.00000	102.31000	0.032792

Structure: Christchurch D | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.20000	8.00000	102.31000	0.032792
1.2000	32.20000	9.20000	102.31000	0.0
2.4000	32.20000	10.40000	102.31000	0.0

Structure: Christchurch E | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.30000	10.40000	102.31000	0.0
1.0000	33.30000	10.40000	102.31000	0.0
2.0000	34.30000	10.40000	102.31000	0.0
3.0000	35.30000	10.40000	102.31000	0.0
4.0000	36.30000	10.40000	102.31000	0.0

Structure: Christchurch F | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.30000	10.40000	102.31000	0.0
1.0570	36.35556	11.45556	102.31000	0.0
2.1140	36.41111	12.51111	102.31000	0.0
3.1710	36.46667	13.56667	102.31000	0.0
4.2281	36.52222	14.62222	102.31000	0.0
5.2851	36.57778	15.67778	102.31000	0.0
6.3421	36.63333	16.73333	102.31000	0.0017310
7.3991	36.68889	17.78889	102.31000	0.012233
8.4561	36.74444	18.84444	102.31000	0.022793
9.5131	36.80000	19.90000	102.31000	0.032050

Structure: Christchurch G | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.80000	19.90000	102.31000	0.032050
1.1000	35.70000	19.90000	102.31000	0.056415
2.2000	34.60000	19.90000	102.31000	0.093214

Structure: Christchurch H | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.60000	19.90000	102.31000	0.093214
0.56667	34.60000	20.46667	102.31000	0.10892
1.1333	34.60000	21.03333	102.31000	0.12262
1.7000	34.60000	21.60000	102.31000	0.13387

Structure: Christchurch I | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.60000	21.60000	102.31000	0.13387
1.0000	33.60000	21.60000	102.31000	0.20826
2.0000	32.60000	21.60000	102.31000	0.31321
3.0000	31.60000	21.60000	102.31000	0.45537

Structure: Christchurch J | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	31.60000	21.60000	102.31000	0.45537
1.2293	30.66667	22.40000	102.31000	0.69658
2.4585	29.73333	23.20000	102.31000	0.99646
3.6878	28.80000	24.00000	102.31000	1.3373

Structure: Christchurch K | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.80000	24.00000	102.31000	1.3373
0.96177	29.65000	24.45000	102.31000	1.0212
1.9235	30.50000	24.90000	102.31000	0.75491

Structure: Christchurch L | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	30.50000	24.90000	102.31000	0.75491
0.91788	30.05000	25.70000	102.31000	0.81744
1.8358	29.60000	26.50000	102.31000	0.85127

Structure: Christchurch M | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
0.0	29.60000	26.50000	102.31000	0.85127
1.7328	28.40000	25.25000	102.31000	1.4081
3.4655	27.20000	24.00000	102.31000	2.0748

Structure: Christchurch N | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.20000	24.00000	102.31000	2.0748
1.0770	27.60000	23.00000	102.31000	1.8358
2.1541	28.00000	22.00000	102.31000	1.4918
3.2311	28.40000	21.00000	102.31000	1.0910
4.3081	28.80000	20.00000	102.31000	0.68858

Structure: Christchurch O | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.80000	20.00000	103.13000	0.68858
0.90000	27.90000	20.00000	103.13000	0.86057
1.8000	27.00000	20.00000	103.13000	1.0635

Structure: Christchurch P | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.00000	20.00000	103.13000	1.0635
1.3463	25.85000	19.30000	103.13000	0.76793
2.6926	24.70000	18.60000	103.13000	0.0

Structure: Christchurch Q | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.70000	18.60000	103.13000	0.0
1.0251	24.68750	17.57500	103.13000	0.0
2.0502	24.67500	16.55000	103.13000	0.0
3.0752	24.66250	15.52500	103.13000	0.0
4.1003	24.65000	14.50000	103.13000	0.0
5.1254	24.63750	13.47500	103.13000	0.0
6.1505	24.62500	12.45000	103.13000	0.0
7.1755	24.61250	11.42500	103.13000	0.0
8.2006	24.60000	10.40000	103.13000	0.0

Structure: Well Road A | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	16.70000	21.90000	104.00000	7.2786
0.95708	17.64000	21.72000	104.00000	7.2799
1.9142	18.58000	21.54000	104.00000	7.2812
2.8712	19.52000	21.36000	104.00000	7.2824
3.8283	20.46000	21.18000	104.00000	7.2837
4.7854	21.40000	21.00000	104.00000	7.2850

Structure: Well Road B | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	21.40000	21.00000	102.50000	7.2850
1.0198	22.40000	20.80000	102.50000	5.9667
2.0396	23.40000	20.60000	102.50000	3.8123

Structure: Well Road C | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.40000	20.60000	102.50000	3.8123
1.0112	23.55000	21.60000	102.50000	4.6036
2.0224	23.70000	22.60000	102.50000	4.7503
3.0336	23.85000	23.60000	102.50000	4.5270
4.0447	24.00000	24.60000	102.50000	4.0894

Structure: Well Road D | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.00000	24.60000	102.50000	4.0894
1.0853	25.06667	24.40000	102.50000	3.3683
2.1705	26.13333	24.20000	102.50000	2.6830
3.2558	27.20000	24.00000	102.50000	2.0748

Structure: Well Road E | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.20000	24.00000	102.50000	2.0748
1.7328	28.40000	25.25000	102.50000	1.4081
3.4655	29.60000	26.50000	102.50000	0.85127

Structure: Well Road F | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	29.60000	26.50000	102.50000	0.85127
1.1180	29.10000	27.50000	102.50000	0.83345
2.2361	28.60000	28.50000	102.50000	0.77187

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Structure: Well Road G | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.60000	28.50000	102.50000	0.77187
0.39051	28.30000	28.25000	102.50000	0.89070
0.78102	28.00000	28.00000	102.50000	1.0220

Structure: Well Road H | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.00000	28.00000	102.50000	1.0220
0.93868	27.06667	28.10000	102.50000	1.2607
1.8774	26.13333	28.20000	102.50000	1.5127
2.8160	25.20000	28.30000	102.50000	1.7655
3.7547	24.26667	28.40000	102.50000	2.0038
4.6934	23.33333	28.50000	102.50000	2.2105
5.6321	22.40000	28.60000	102.50000	2.2566

Structure: Well Road I | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	22.40000	28.60000	104.00000	2.2566
1.0299	21.37500	28.70000	104.00000	2.3122
2.0597	20.35000	28.80000	104.00000	2.3685
3.0896	19.32500	28.90000	104.00000	2.4254
4.1195	18.30000	29.00000	104.00000	2.4830

Structure: Well Road J | Sub-structure:

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	18.30000	29.00000	104.00000	2.4830
0.90976	18.10000	28.11250	104.00000	3.1112
1.8195	17.90000	27.22500	104.00000	3.7913
2.7293	17.70000	26.33750	104.00000	4.5006
3.6390	17.50000	25.45000	104.00000	5.2105
4.5488	17.30000	24.56250	104.00000	5.8865
5.4585	17.10000	23.67500	104.00000	6.4884
6.3683	16.90000	22.78750	104.00000	6.9698
7.2780	16.70000	21.90000	104.00000	7.2786

Specific Building Damage Results - All Segments

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	2.3990	0.0	None	0.0	0.0	0.0	43.275E-6	-137.25E-6	8739.3	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	0.90000	None	0.0	0.0070146	0.0070145	-70.141E-6	53.957E-6	66536.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.56667	1.1323	Sagging	106.81E-6	-0.0063466	0.0012708	67.525E-6	-27.719E-6	125690.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	2.9990	Hogging	0.0011657	0.020739	0.021118	-227.75E-6	-142.13E-6	25719.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.6870	Hogging	0.0014306	0.0011410	0.0020199	-105.89E-6	-277.26E-6	23948.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	1.9230	Hogging	0.0012814	0.037018	0.037288	-376.73E-6	328.52E-6	18581.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch L | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	1.8350	Sagging	774.35E-6	-0.026446	0.0053074	276.07E-6	-68.147E-6	29327.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch M | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.4650	Hogging	0.0015705	0.036853	0.037340	-383.21E-6	-384.66E-6	27315.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch N | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	3.8263	Sagging	0.0026262	-0.041966	0.0085111	618.15E-6	373.66E-6	9902.3	0 (Negligible)
	2	3.8263	0.48067	Sagging	0.0	-0.0095994	0.0019199	96.004E-6	373.66E-6	93839.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch O | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	1.7990	Hogging	851.58E-6	0.023229	0.023409	-253.01E-6	-225.45E-6	26160.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0	1	0.0	1.3463	Hogging	0.0	-0.043374	0.0086749	763.62E-6	570.84E-6	3830.4	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Christchurch Q | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature	Damage Category

[m]		[m]	[m]	[%]	[%]	[%]		[m]	
0	All settlements are less than the Settlement Trough Limit Sensitivity.								

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	4.7840	Sagging	0.0	2.6255E-6	3.1829E-6	0.0	-1.3590E-6	96.105E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	2.0390	Sagging	0.020286	-0.19200	0.040098	0.0025104	0.0021154	1241.7	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	4.0440	Sagging	0.019742	-0.062595	0.016899	0.0017795	-783.86E-6	1428.9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	3.2550	Hogging	0.0019530	-0.028392	0.0057880	645.92E-6	664.87E-6	13430.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	3.4650	Hogging	0.0015704	0.036852	0.037340	-383.21E-6	384.66E-6	27315.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	2.2350	Sagging	969.34E-6	-0.024314	0.0048940	264.93E-6	55.095E-6	28536.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	0.78000	Hogging	792.64E-6	0.051620	0.051676	-519.06E-6	-336.13E-6	12199.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	1.8859	Hogging	352.72E-6	-0.0082256	0.0016576	252.46E-6	-269.40E-6	53647.	0 (Negligible)
	2	1.8859	3.7451	Sagging	0.0037234	-0.028502	0.0060643	504.33E-6	-269.40E-6	4566.6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	4.1180	Hogging	32.675E-6	520.87E-6	535.33E-6	-5.2087E-6	-55.923E-6	1.5353E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: Well Road J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature [m]	Damage Category
0	1	0.0	2.7018	Hogging	0.0016186	0.070728	0.071204	-706.78E-6	-779.08E-6	14409.	1 (Very Slight)
	2	2.7018	4.5752	Sagging	0.0070182	0.070728	0.077089	-706.78E-6	-779.75E-6	4462.4	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0		0.0	0.0	-137.25E-6	0.16456	0.0	43.275E-6	-137.25E-6	-	- 0 (Negligible)

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0		0.0	0.0070146	53.957E-6	0.16469	0.0070145	-70.141E-6	53.957E-6	-	- 0 (Negligible)

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Christchurch H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	106.81E-6	-0.0063466	-27.719E-6	0.13385	0.0012708	67.525E-6	-27.719E-6	-	125690.	0 (Negligible)

Structure: Christchurch I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0011657	0.020739	-142.13E-6	0.45522	0.021118	-227.75E-6	-142.13E-6	25719.		- 0 (Negligible)

Structure: Christchurch J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0014306	0.0011410	-277.26E-6	1.3370	0.0020199	-105.89E-6	-277.26E-6	23948.		- 0 (Negligible)

Structure: Christchurch K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0012814	0.037018	328.52E-6	1.3373	0.037288	-376.73E-6	328.52E-6	18581.		- 0 (Negligible)

Structure: Christchurch L | Sub-structure:

Vertical Offset from	Deflection Ratio	Average Horizontal	Maximum Slope	Maximum Settlement	Max. Tensile	Maximum Gradient of	Maximum Gradient of	Min. Radius of	Min. Radius of	Damage Category

Line for Vertical Movement Calculations	Strain		Strain	Horizontal Displacement Curve	Vertical Displacement Curve	Curvature (Hogging)	Curvature (Sagging)	
[m]	[%]	[%]	[mm]	[%]		[m]	[m]	
0	774.35E-6	-0.026446	-68.147E-6	0.85125	0.0053074	276.07E-6	-68.147E-6	- 29327. 0 (Negligible)

Structure: Christchurch M | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0015705	0.036853	-384.66E-6	2.0746	0.037340	-383.21E-6	-384.66E-6	27315.		- 0 (Negligible)

Structure: Christchurch N | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0026262	-0.041966	373.66E-6	2.0748	0.0085111	618.15E-6	373.66E-6	-	9902.3	0 (Negligible)

Structure: Christchurch O | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	851.58E-6	0.023229	-225.45E-6	1.0633	0.023409	-253.01E-6	-225.45E-6	26160.		- 0 (Negligible)

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0	-0.043374	570.84E-6	1.0635	0.0086749	763.62E-6	570.84E-6	3830.4		- 0 (Negligible)

Structure: Christchurch Q | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0	2.6255E-6	-1.3590E-6	7.2850	3.1829E-6	0.0	-1.3590E-6	-	96.105E+6	0 (Negligible)

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.020286	-0.19200	0.0021154	7.2850	0.040098	0.0025104	0.0021154	-	1241.7	0 (Negligible)

Structure: Well Road C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.019742	-0.062595	-783.86E-6	4.7475	0.016899	0.0017795	-783.86E-6	-	1428.9	0 (Negligible)

Structure: Well Road D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0019530	-0.028392	664.87E-6	4.0894	0.0057880	645.92E-6	664.87E-6	13430.		- 0 (Negligible)

Structure: Well Road E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0015704	0.036852	384.66E-6	2.0748	0.037340	-383.21E-6	384.66E-6	27315.		- 0 (Negligible)

Structure: Well Road F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	969.34E-6	-0.024314	55.095E-6	0.85127	0.0048940	264.93E-6	55.095E-6	-	28536.	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement	Maximum Gradient of Vertical Displacement	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category

Structure: Well Road G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	792.64E-6	0.051620	-336.13E-6	1.0217	0.051676	-519.06E-6	-336.13E-6	12199.		- 1 (Very Slight)

Structure: Well Road H | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0037234	-0.028502	-269.40E-6	2.2566	0.0060643	504.33E-6	-269.40E-6	53647.	4566.6	0 (Negligible)

Structure: Well Road I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	32.675E-6	520.87E-6	-55.923E-6	2.4829	535.33E-6	-5.2087E-6	-55.923E-6	1.5353E+6		- 0 (Negligible)

Structure: Well Road J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Maximum Gradient of Horizontal Displacement Curve	Maximum Gradient of Vertical Displacement Curve	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0	0.0070182	0.070728	-779.75E-6	7.2782	0.077089	-706.78E-6	-779.75E-6	14409.	4462.4	2 (Slight)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start [m]	End [m]	Curvature	Maximum Slope	Maximum Settlement [mm]	Max. Tensile Strain [%]	Min. Radius of Curvature (Hogging) [m]	Min. Radius of Curvature (Sagging) [m]	Damage Category
Christchurch A	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch B	Maximum Slope		1	2.3990	2.3990 Sagging	**137.25E-6**	0.16456	0.0	-	8739.3	0 (Negligible)	
	Maximum Settlement		1	2.3990	2.3990 Sagging	137.25E-6	**0.16456**	0.0	-	8739.3	0 (Negligible)	
	Max. Tensile Strain		1	2.3990	2.3990 Sagging	137.25E-6	0.16456	**0.0**	-	8739.3	0 (Negligible)	
	Min. Radius of Curvature (Hogging)		-	-	- -	-	-	-	-	-	-	
	Min. Radius of Curvature (Sagging)		-	-	- -	-	-	-	-	-	-	
Christchurch C	Maximum Slope		1	0.0	0.90000 Sagging	**53.957E-6**	0.16469	0.0070145	-	66536.	0 (Negligible)	
	Maximum Settlement		1	0.0	0.90000 Sagging	53.957E-6	**0.16469**	0.0070145	-	66536.	0 (Negligible)	
	Max. Tensile Strain		1	0.0	0.90000 Sagging	53.957E-6	0.16469	**0.0070145**	-	66536.	0 (Negligible)	
	Min. Radius of Curvature (Hogging)		-	-	- -	-	-	-	-	-	-	
	Min. Radius of Curvature (Sagging)		-	-	- -	-	-	-	-	-	-	
Christchurch D	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch E	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch F	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch G	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Christchurch H	Maximum Slope		1	0.56667	1.6990 Sagging	**27.719E-6**	0.13385	0.0012708	-	125690.	0 (Negligible)	
	Maximum Settlement		1	0.56667	1.6990 Sagging	27.719E-6	**0.13385**	0.0012708	-	125690.	0 (Negligible)	
	Max. Tensile Strain		1	0.56667	1.6990 Sagging	27.719E-6	0.13385	**0.0012708**	-	125690.	0 (Negligible)	
	Min. Radius of Curvature (Hogging)		-	-	- -	-	-	-	-	-	-	
	Min. Radius of Curvature (Sagging)		1	0.56667	1.6990 Sagging	27.719E-6	0.13385	0.0012708	-	**125690.**	0 (Negligible)	
Christchurch I	Maximum Slope		1	0.0	2.9990 Hogging	**142.13E-6**	0.45522	0.021118	25719.	-	0 (Negligible)	
	Maximum Settlement		1	0.0	2.9990 Hogging	142.13E-6	**0.45522**	0.021118	25719.	-	0 (Negligible)	
	Max. Tensile Strain		1	0.0	2.9990 Hogging	142.13E-6	0.45522	**0.021118**	25719.	-	0 (Negligible)	
	Min. Radius of Curvature (Hogging)		1	0.0	2.9990 Hogging	142.13E-6	0.45522	0.021118	**25719.**	-	0 (Negligible)	
	Min. Radius of Curvature (Sagging)		-	-	- -	-	-	-	-	-	-	
Christchurch J	Maximum Slope		1	0.0	3.6870 Hogging	**277.26E-6**	1.3370	0.0020199	23948.	-	0 (Negligible)	
	Maximum Settlement		1	0.0	3.6870 Hogging	277.26E-6	**1.3370**	0.0020199	23948.	-	0 (Negligible)	
	Max. Tensile Strain		1	0.0	3.6870 Hogging	277.26E-6	1.3370	**0.0020199**	23948.	-	0 (Negligible)	
	Min. Radius of Curvature (Hogging)		1	0.0	3.6870 Hogging	277.26E-6	1.3370	0.0020199	**23948.**	-	0 (Negligible)	
	Min. Radius of Curvature (Sagging)		-	-	- -	-	-	-	-	-	-	
Christchurch K	Maximum Slope		1	0.0	1.9230 Hogging	**328.52E-6**	1.3373	0.037288	18581.	-	0 (Negligible)	

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Maximum Settlement		1	0.0	1.9230	Hogging	328.52E-6	**1.3373**	0.037288	18581.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.9230	Hogging	328.52E-6	1.3373	**0.037288**	18581.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.9230	Hogging	328.52E-6	1.3373	0.037288	**18581.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch L	Maximum Slope		1	0.0	1.8350	Sagging	**68.147E-6**	0.85125	0.0053074	-	29327.	0 (Negligible)
	Maximum Settlement		1	0.0	1.8350	Sagging	68.147E-6	**0.85125**	0.0053074	-	29327.	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.8350	Sagging	68.147E-6	0.85125	**0.0053074**	-	29327.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	1.8350	Sagging	68.147E-6	0.85125	0.0053074	-	**29327.**	0 (Negligible)
Christchurch M	Maximum Slope		1	0.0	3.4650	Hogging	**384.66E-6**	2.0746	0.037340	27315.	-	0 (Negligible)
	Maximum Settlement		1	0.0	3.4650	Hogging	384.66E-6	**2.0746**	0.037340	27315.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.4650	Hogging	384.66E-6	2.0746	**0.037340**	27315.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	3.4650	Hogging	384.66E-6	2.0746	0.037340	**27315.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch N	Maximum Slope		1	0.0	3.8263	Sagging	**373.66E-6**	2.0748	0.0085111	-	9902.3	0 (Negligible)
	Maximum Settlement		1	0.0	3.8263	Sagging	373.66E-6	**2.0748**	0.0085111	-	9902.3	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.8263	Sagging	373.66E-6	2.0748	**0.0085111**	-	9902.3	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	3.8263	Sagging	373.66E-6	2.0748	0.0085111	-	**9902.3**	0 (Negligible)
Christchurch O	Maximum Slope		1	0.0	1.7990	Hogging	**225.45E-6**	1.0633	0.023409	26160.	-	0 (Negligible)
	Maximum Settlement		1	0.0	1.7990	Hogging	225.45E-6	**1.0633**	0.023409	26160.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.7990	Hogging	225.45E-6	1.0633	**0.023409**	26160.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.7990	Hogging	225.45E-6	1.0633	0.023409	**26160.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch P	Maximum Slope		1	0.0	1.3463	Hogging	**570.84E-6**	1.0635	0.0086749	3830.4	-	0 (Negligible)
	Maximum Settlement		1	0.0	1.3463	Hogging	570.84E-6	**1.0635**	0.0086749	3830.4	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	1.3463	Hogging	570.84E-6	1.0635	**0.0086749**	3830.4	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.3463	Hogging	570.84E-6	1.0635	0.0086749	**3830.4**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Christchurch Q	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
Well Road A	Maximum Slope		1	0.0	4.7840	Sagging	**1.3590E-6**	7.2850	3.1829E-6	-	96.105E+6	0 (Negligible)
	Maximum Settlement		1	0.0	4.7840	Sagging	1.3590E-6	**7.2850**	3.1829E-6	-	96.105E+6	0 (Negligible)
	Max. Tensile Strain		1	0.0	4.7840	Sagging	1.3590E-6	7.2850	**3.1829E-6**	-	96.105E+6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	4.7840	Sagging	1.3590E-6	7.2850	3.1829E-6	-	**96.105E+6**	0 (Negligible)
Well Road B	Maximum Slope		1	0.0	2.0390	Sagging	**0.0021154**	7.2850	0.040098	-	1241.7	0 (Negligible)
	Maximum Settlement		1	0.0	2.0390	Sagging	0.0021154	**7.2850**	0.040098	-	1241.7	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.0390	Sagging	0.0021154	7.2850	**0.040098**	-	1241.7	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	2.0390	Sagging	0.0021154	7.2850	0.040098	-	**1241.7**	0 (Negligible)
Well Road C	Maximum Slope		1	0.0	4.0440	Sagging	**783.86E-6**	4.7475	0.016899	-	1428.9	0 (Negligible)
	Maximum Settlement		1	0.0	4.0440	Sagging	783.86E-6	**4.7475**	0.016899	-	1428.9	0 (Negligible)
	Max. Tensile Strain		1	0.0	4.0440	Sagging	783.86E-6	4.7475	**0.016899**	-	1428.9	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	4.0440	Sagging	783.86E-6	4.7475	0.016899	-	**1428.9**	0 (Negligible)
Well Road D	Maximum Slope		1	0.0	3.2550	Hogging	**664.87E-6**	4.0894	0.0057880	13430.	-	0 (Negligible)
	Maximum Settlement		1	0.0	3.2550	Hogging	664.87E-6	**4.0894**	0.0057880	13430.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.2550	Hogging	664.87E-6	4.0894	**0.0057880**	13430.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	3.2550	Hogging	664.87E-6	4.0894	0.0057880	**13430.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road E	Maximum Slope		1	0.0	3.4650	Hogging	**384.66E-6**	2.0748	0.037340	27315.	-	0 (Negligible)
	Maximum Settlement		1	0.0	3.4650	Hogging	384.66E-6	**2.0748**	0.037340	27315.	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	3.4650	Hogging	384.66E-6	2.0748	**0.037340**	27315.	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	3.4650	Hogging	384.66E-6	2.0748	0.037340	**27315.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road F	Maximum Slope		1	0.0	2.2350	Sagging	**55.095E-6**	0.85127	0.0048940	-	28536.	0 (Negligible)
	Maximum Settlement		1	0.0	2.2350	Sagging	55.095E-6	**0.85127**	0.0048940	-	28536.	0 (Negligible)
	Max. Tensile Strain		1	0.0	2.2350	Sagging	55.095E-6	0.85127	**0.0048940**	-	28536.	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)		1	0.0	2.2350	Sagging	55.095E-6	0.85127	0.0048940	-	**28536.**	0 (Negligible)
Well Road G	Maximum Slope		1	0.0	0.78000	Hogging	**336.13E-6**	1.0217	0.051676	12199.	-	1 (Very Slight)
	Maximum		1	0.0	0.78000	Hogging	336.13E-6	**1.0217**	0.051676	12199.	-	1 (Very Slight)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Maximum Slope	Maximum Settlement	Max. Tensile Strain	Min. Radius of Curvature (Hogging)	Min. Radius of Curvature (Sagging)	Damage Category
	Settlement											
	Max. Tensile Strain		1	0.0	0.78000	Hogging	336.13E-6	1.0217	**0.051676**	12199.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	0.78000	Hogging	336.13E-6	1.0217	0.051676	**12199.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road H	Maximum Slope		1	0.0	1.8859	Hogging	**269.40E-6**	1.5150	0.0016576	53647.	-	0 (Negligible)
	Maximum Settlement		2	1.8859	5.6310	Sagging	269.40E-6	**2.2566**	0.0060643	-	4566.6	0 (Negligible)
	Max. Tensile Strain		2	1.8859	5.6310	Sagging	269.40E-6	2.2566	**0.0060643**	-	4566.6	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	1.8859	Hogging	269.40E-6	1.5150	0.0016576	**53647.**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		2	1.8859	5.6310	Sagging	269.40E-6	2.2566	0.0060643	-	**4566.6**	0 (Negligible)
Well Road I	Maximum Slope		1	0.0	4.1180	Hogging	**55.923E-6**	2.4829	535.33E-6	1.5353E+6	-	0 (Negligible)
	Maximum Settlement		1	0.0	4.1180	Hogging	55.923E-6	**2.4829**	535.33E-6	1.5353E+6	-	0 (Negligible)
	Max. Tensile Strain		1	0.0	4.1180	Hogging	55.923E-6	2.4829	**535.33E-6**	1.5353E+6	-	0 (Negligible)
	Min. Radius of Curvature (Hogging)		1	0.0	4.1180	Hogging	55.923E-6	2.4829	535.33E-6	**1.5353E+6**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
Well Road J	Maximum Slope		2	2.7018	7.2770	Sagging	**779.75E-6**	7.2782	0.077089	-	4462.4	2 (Slight)
	Maximum Settlement		2	2.7018	7.2770	Sagging	779.75E-6	**7.2782**	0.077089	-	4462.4	2 (Slight)
	Max. Tensile Strain		2	2.7018	7.2770	Sagging	779.75E-6	7.2782	**0.077089**	-	4462.4	2 (Slight)
	Min. Radius of Curvature (Hogging)		1	0.0	2.7018	Hogging	779.08E-6	4.4792	0.071204	**14409.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)		2	2.7018	7.2770	Sagging	779.75E-6	7.2782	0.077089	-	**4462.4**	2 (Slight)

Specific Building Damage Results - All Combined Segments

Structure: Christchurch A | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch E | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch F | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch G | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	

No structures have segments combined.

Structure: Christchurch H | Sub-structure:

Vertical Offset from Line for Vertical	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max. Tensile Strain	Damage Category

Movement Calculations [m]	[m]	[m]	[%]	[%]	[%]

No structures have segments combined.

Structure: Christchurch I | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch J | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch K | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch L | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch M | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch N | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch O | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch P | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Christchurch Q | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Well Road A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Structure: Well Road B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations [m]	Combined Start Segment [m]	Length [m]	Curvature Ratio [%]	Deflection [%]	Average Horizontal Strain [%]	Max. Tensile Strain [%]	Damage Category

No structures have segments combined.

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature Ratio	Deflection	Average Horizontal Strain	Max. Tensile Strain	Damage Category
[m]		[m]	[m]	[%]		[%]	[%]	

Structure: Well Road C | Sub-structure:

No structures have segments combined.

Structure: Well Road D | Sub-structure:

No structures have segments combined.

Structure: Well Road E | Sub-structure:

No structures have segments combined.

Structure: Well Road F | Sub-structure:

No structures have segments combined.

Structure: Well Road G | Sub-structure:

No structures have segments combined.

Structure: Well Road H | Sub-structure:

No structures have segments combined.

Structure: Well Road I | Sub-structure:

No structures have segments combined.

Structure: Well Road J | Sub-structure:

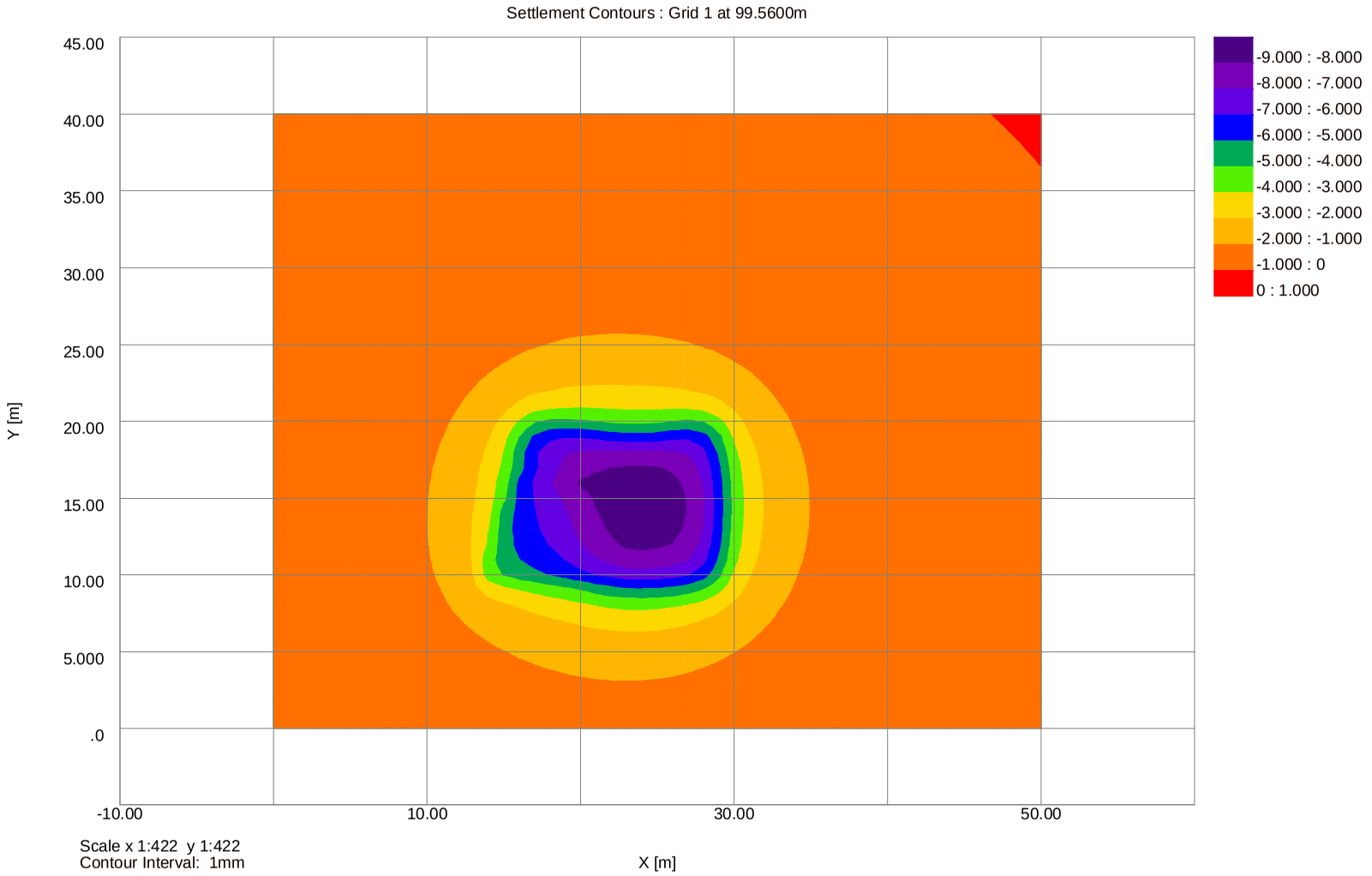
No structures have segments combined.

Oasys

26 Christchurch Hill, London NW3 1LG

Short-term undrained movements

Job No.	Sheet No.	Rev.
J15258		
Drg. Ref.		
Made by ML	Date	Checked



RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: 43.90 [m OD]

The maximum displacement difference between
Boussinesq method (-8.0292mm) and Mindlin method (-6.7695mm)
occurs at point X=24.688m Y=17.575m Level 103.13mOD and is 1.2597mm

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
Slab 1	27.18669	18.56703	100.53000	-6.7957	100.21	-62.381	-164.02	-364.57E-6
Slab 2	26.92491	13.28498	100.53000	-8.2437	100.21	-62.608	-173.99	-218.22E-6
Slab 3	22.85201	13.98222	100.53000	-8.9717	100.21	-62.586	-173.43	-225.97E-6
Slab 4	18.62597	18.04286	100.53000	-7.2855	100.21	-62.473	-164.89	-355.32E-6
Slab 5	17.56045	12.61269	99.56000	-6.0331	99.121	-40.854	-120.43	-31.023E-6
Grid 1	0.00000	0.00000	99.56000	-0.084814	99.121	-523.11E-6	-0.23352	3.3678E-6
	1.00000	0.00000	99.56000	-0.099062	99.121	-611.17E-6	-0.25708	3.7061E-6
	2.00000	0.00000	99.56000	-0.11471	99.121	-716.22E-6	-0.28355	4.0858E-6
	3.00000	0.00000	99.56000	-0.13186	99.121	-841.87E-6	-0.31331	4.5125E-6
	4.00000	0.00000	99.56000	-0.15059	99.121	-992.52E-6	-0.34678	4.9918E-6
	5.00000	0.00000	99.56000	-0.17098	99.121	-0.0011735	-0.38440	5.5303E-6
	6.00000	0.00000	99.56000	-0.19309	99.121	-0.0013915	-0.42667	6.1344E-6
	7.00000	0.00000	99.56000	-0.21692	99.121	-0.0016542	-0.47404	6.8108E-6
	8.00000	0.00000	99.56000	-0.24245	99.121	-0.0019713	-0.52697	7.5655E-6
	9.00000	0.00000	99.56000	-0.26958	99.121	-0.0023540	-0.58585	8.4038E-6
	10.00000	0.00000	99.56000	-0.29813	99.121	-0.0028158	-0.65094	9.3287E-6
	11.00000	0.00000	99.56000	-0.32785	99.121	-0.0033718	-0.72232	10.341E-6
	12.00000	0.00000	99.56000	-0.35835	99.121	-0.0040396	-0.79984	11.437E-6
	13.00000	0.00000	99.56000	-0.38916	99.121	-0.0048378	-0.88308	12.611E-6
	14.00000	0.00000	99.56000	-0.41974	99.121	-0.0057861	-0.97134	13.851E-6
	15.00000	0.00000	99.56000	-0.44946	99.121	-0.0069023	-1.0636	15.142E-6
	16.00000	0.00000	99.56000	-0.47767	99.121	-0.0081989	-1.1585	16.463E-6
	17.00000	0.00000	99.56000	-0.50373	99.121	-0.0096766	-1.2543	17.790E-6
	18.00000	0.00000	99.56000	-0.52700	99.121	-0.011317	-1.3487	19.090E-6
	19.00000	0.00000	99.56000	-0.54686	99.121	-0.013073	-1.4391	20.326E-6
	20.00000	0.00000	99.56000	-0.56275	99.121	-0.014866	-1.5222	21.454E-6
	21.00000	0.00000	99.56000	-0.57417	99.121	-0.016587	-1.5941	22.424E-6
	22.00000	0.00000	99.56000	-0.58069	99.121	-0.018109	-1.6511	23.184E-6
	23.00000	0.00000	99.56000	-0.58201	99.121	-0.019303	-1.6895	23.690E-6
	24.00000	0.00000	99.56000	-0.57797	99.121	-0.020061	-1.7065	23.904E-6
	25.00000	0.00000	99.56000	-0.56858	99.121	-0.020310	-1.7003	23.803E-6
	26.00000	0.00000	99.56000	-0.55403	99.121	-0.020023	-1.6706	23.384E-6
	27.00000	0.00000	99.56000	-0.53474	99.121	-0.019221	-1.6185	22.663E-6
	28.00000	0.00000	99.56000	-0.51130	99.121	-0.017973	-1.5467	21.675E-6
	29.00000	0.00000	99.56000	-0.48446	99.121	-0.016385	-1.4589	20.469E-6
	30.00000	0.00000	99.56000	-0.45505	99.121	-0.014589	-1.3598	19.108E-6
	31.00000	0.00000	99.56000	-0.42397	99.121	-0.012717	-1.2541	17.656E-6
	32.00000	0.00000	99.56000	-0.39206	99.121	-0.010887	-1.1464	16.172E-6
	33.00000	0.00000	99.56000	-0.36007	99.121	-0.0091861	-1.0405	14.708E-6
	34.00000	0.00000	99.56000	-0.32863	99.121	-0.0076657	-0.93922	13.303E-6
	35.00000	0.00000	99.56000	-0.29821	99.121	-0.0063477	-0.84447	11.985E-6
	36.00000	0.00000	99.56000	-0.26918	99.121	-0.0052309	-0.75733	10.768E-6
	37.00000	0.00000	99.56000	-0.24177	99.121	-0.0042999	-0.67820	9.6598E-6
	38.00000	0.00000	99.56000	-0.21609	99.121	-0.0035325	-0.60701	8.6596E-6
	39.00000	0.00000	99.56000	-0.19221	99.121	-0.0029044	-0.54340	7.7634E-6
	40.00000	0.00000	99.56000	-0.17013	99.121	-0.0023925	-0.48682	6.9642E-6
	41.00000	0.00000	99.56000	-0.14979	99.121	-0.0019760	-0.43664	6.2537E-6
	42.00000	0.00000	99.56000	-0.13114	99.121	-0.0016372	-0.39221	5.6234E-6
	43.00000	0.00000	99.56000	-0.11408	99.121	-0.0013613	-0.35291	5.0647E-6
	44.00000	0.00000	99.56000	-0.098520	99.121	-0.0011362	-0.31813	4.5697E-6
	45.00000	0.00000	99.56000	-0.084357	99.121	-952.06E-6	-0.28735	4.1308E-6
	46.00000	0.00000	99.56000	-0.071492	99.121	-800.91E-6	-0.26008	3.7414E-6
	47.00000	0.00000	99.56000	-0.059826	99.121	-676.44E-6	-0.23589	3.3955E-6
	48.00000	0.00000	99.56000	-0.049263	99.121	-573.57E-6	-0.21439	3.0879E-6
	49.00000	0.00000	99.56000	-0.039714	99.121	-488.24E-6	-0.19526	2.8138E-6
	50.00000	0.00000	99.56000	-0.031093	99.121	-417.18E-6	-0.17820	2.5691E-6
	0.00000	1.00000	99.56000	-0.094032	99.121	-578.12E-6	-0.24844	3.5820E-6
	1.00000	1.00000	99.56000	-0.10974	99.121	-679.75E-6	-0.27469	3.9588E-6
	2.00000	1.00000	99.56000	-0.12708	99.121	-802.09E-6	-0.30441	4.3850E-6
	3.00000	1.00000	99.56000	-0.14620	99.121	-949.88E-6	-0.33811	4.8678E-6
	4.00000	1.00000	99.56000	-0.16723	99.121	-0.0011290	-0.37636	5.4153E-6
	5.00000	1.00000	99.56000	-0.19029	99.121	-0.0013467	-0.41980	6.0366E-6
	6.00000	1.00000	99.56000	-0.21549	99.121	-0.0016121	-0.46914	6.7414E-6
	7.00000	1.00000	99.56000	-0.24289	99.121	-0.0019367	-0.52511	7.5400E-6
	8.00000	1.00000	99.56000	-0.27251	99.121	-0.0023343	-0.58846	8.4425E-6
	9.00000	1.00000	99.56000	-0.30430	99.121	-0.0028221	-0.65987	9.4581E-6
	10.00000	1.00000	99.56000	-0.33807	99.121	-0.0034210	-0.73990	10.594E-6
	11.00000	1.00000	99.56000	-0.37355	99.121	-0.0041559	-0.82884	11.853E-6
	12.00000	1.00000	99.56000	-0.41028	99.121	-0.0050561	-0.92668	13.235E-6
	13.00000	1.00000	99.56000	-0.44768	99.121	-0.0061558	-1.0330	14.731E-6
	14.00000	1.00000	99.56000	-0.48505	99.121	-0.0074933	-1.1470	16.328E-6
	15.00000	1.00000	99.56000	-0.52157	99.121	-0.0091092	-1.2676	18.008E-6
	16.00000	1.00000	99.56000	-0.55643	99.121	-0.011041	-1.3930	19.745E-6
	17.00000	1.00000	99.56000	-0.58877	99.121	-0.013312	-1.5213	21.509E-6
	18.00000	1.00000	99.56000	-0.61780	99.121	-0.015914	-1.6498	23.262E-6
	19.00000	1.00000	99.56000	-0.64275	99.121	-0.018787	-1.7748	24.951E-6
	20.00000	1.00000	99.56000	-0.66287	99.121	-0.021801	-1.8916	26.516E-6
	21.00000	1.00000	99.56000	-0.67752	99.121	-0.024761	-1.9946	27.882E-6
	22.00000	1.00000	99.56000	-0.68608	99.121	-0.027421	-2.0777	28.972E-6
	23.00000	1.00000	99.56000	-0.68813	99.121	-0.029535	-2.1349	29.712E-6
	24.00000	1.00000	99.56000	-0.68337	99.121	-0.030891	-2.1617	30.041E-6
	25.00000	1.00000	99.56000	-0.67178	99.121	-0.031353	-2.1549	29.922E-6
	26.00000	1.00000	99.56000	-0.65360	99.121	-0.030867	-2.1137	29.346E-6
	27.00000	1.00000	99.56000	-0.62933	99.121	-0.029472	-2.0400	28.337E-6
	28.00000	1.00000	99.56000	-0.59978	99.121	-0.027297	-1.9378	26.946E-6
	29.00000	1.00000	99.56000	-0.56599	99.121	-0.024544	-1.8130	25.255E-6
	30.00000	1.00000	99.56000	-0.52913	99.121	-0.021466	-1.6732	23.359E-6
	31.00000	1.00000	99.56000	-0.49044	99.121	-0.018320	-1.5258	21.357E-6
	32.00000	1.00000	99.56000	-0.45105	99.121	-0.015321	-1.3700	19.341E-6
	33.00000	1.00000	99.56000	-0.41196	99.121	-0.012614	-1.2352	17.385E-6
	34.00000	1.00000	99.56000	-0.37397	99.121	-0.010272	-1.1013	15.543E-6
	35.00000	1.00000	99.56000	-0.33764	99.121	-0.0083078	-0.97847	13.845E-6
	36.00000	1.00000	99.56000	-0.30334	99.121	-0.0066961	-0.86769	12.307E-6
	37.00000	1.00000	99.56000	-0.27129	99.121	-0.0053928	-0.76895	10.930E-6
	38.00000	1.00000	99.56000	-0.24158	99.121	-0.0043484	-0.68163	9.7076E-6
	39.00000	1.00000	99.56000	-0.21420	99.121	-0.0035153	-0.60484	8.6289E-6
	40.00000	1.00000	99.56000	-0.18909	99.121	-0.0028520	-0.53752	7.6804E-6
	41.00000	1.00000	99.56000	-0.16615	99.121	-0.0023235	-0.47860	6.8479E-6
	42.00000	1.00000	99.56000	-0.14526	99.121	-0.0019015	-0.42706	6.1178E-6
	43.00000	1.00000	99.56000	-0.12627	99.121	-0.0015637	-0.38195	5.4776E-6
	44.00000	1.00000	99.56000	-0.10906	99.121	-0.0012921	-0.34243	4.9156E-6
	45.00000	1.00000	99.56000	-0.093472	99.121	-0.0010729	-0.30775	4.4217E-6
	46.00000	1.00000	99.56000	-0.079380	99.121	-895.23E-6	-0.27728	3.9870E-6
	47.00000	1.00000	99.56000	-0.066655	99.121	-750.51E-6	-0.25044	3.6037E-6
	48.00000	1.00000	99.56000	-0.055180	99.121	-632.09E-6	-0.22676	3.2649E-6
	49.00000	1.00000	99.56000	-0.044842	99.121	-534.75E-6	-0.20581	2.9649E-6
	50.00000	1.00000	99.56000	-0.035539	99.121	-454.37E-6	-0.18723	2.6986E-6
	0.00000	2.00000	99.56000	-0.10341	99.121	-637.46E-6	-0.26387	3.8035E-6
	1.00000	2.00000	99.56000	-0.12066	99.121	-754.40E-6	-0.29304	4.2219E-6
	2.00000	2.00000	99.56000	-0.13982	99.121	-896.50E-6	-0.32633	4.6991E-6
	3.00000	2.00000	99.56000	-0.16107	99.121	-0.0010699	-0.36441	5.2444E-6
	4.00000	2.00000	99.56000	-0.18461	99.121	-0.0012824	-0.40806	5.8690E-6
	5.00000	2.00000	99.56000	-0.21063	99.121	-0.0015438	-0.45819	6.5854E-6
	6.00000	2.00000	99.56000	-0.23931	99.121	-0.0018670	-0.51582	7.4081E-6
	7.00000	2.00000	99.56000	-0.27081	99.121	-0.0022680	-0.58207	8.3527E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	8.00000	2.00000	99.56000	-0.30521	99.121	-0.0027674	-0.65817	9.4357E-6
	9.00000	2.00000	99.56000	-0.34252	99.121	-0.0033913	-0.74528	10.673E-6
	10.00000	2.00000	99.56000	-0.38263	99.121	-0.0041720	-0.84446	12.079E-6
	11.00000	2.00000	99.56000	-0.42522	99.121	-0.0051498	-0.95644	13.663E-6
	12.00000	2.00000	99.56000	-0.46978	99.121	-0.0063736	-1.0814	15.425E-6
	13.00000	2.00000	99.56000	-0.51556	99.121	-0.0079030	-1.2191	17.357E-6
	14.00000	2.00000	99.56000	-0.56162	99.121	-0.0098103	-1.3684	19.442E-6
	15.00000	2.00000	99.56000	-0.60692	99.121	-0.012181	-1.5280	21.656E-6
	16.00000	2.00000	99.56000	-0.65035	99.121	-0.015110	-1.6962	23.969E-6
	17.00000	2.00000	99.56000	-0.69085	99.121	-0.018682	-1.8706	26.346E-6
	18.00000	2.00000	99.56000	-0.72740	99.121	-0.022937	-2.0482	28.740E-6
	19.00000	2.00000	99.56000	-0.75904	99.121	-0.027818	-2.2245	31.087E-6
	20.00000	2.00000	99.56000	-0.78484	99.121	-0.033117	-2.3927	33.299E-6
	21.00000	2.00000	99.56000	-0.80390	99.121	-0.038460	-2.5442	35.266E-6
	22.00000	2.00000	99.56000	-0.81539	99.121	-0.043351	-2.6689	36.863E-6
	23.00000	2.00000	99.56000	-0.81861	99.121	-0.047277	-2.7570	37.972E-6
	24.00000	2.00000	99.56000	-0.81312	99.121	-0.049818	-2.8004	38.490E-6
	25.00000	2.00000	99.56000	-0.79877	99.121	-0.050708	-2.7938	38.356E-6
	26.00000	2.00000	99.56000	-0.77582	99.121	-0.049848	-2.7357	37.549E-6
	27.00000	2.00000	99.56000	-0.74492	99.121	-0.047306	-2.6284	36.103E-6
	28.00000	2.00000	99.56000	-0.70716	99.121	-0.043320	-2.4785	34.100E-6
	29.00000	2.00000	99.56000	-0.66401	99.121	-0.038297	-2.2959	31.667E-6
	30.00000	2.00000	99.56000	-0.61715	99.121	-0.032754	-2.0929	28.961E-6
	31.00000	2.00000	99.56000	-0.56835	99.121	-0.027215	-1.8821	26.141E-6
	32.00000	2.00000	99.56000	-0.51921	99.121	-0.022098	-1.6745	23.351E-6
	33.00000	2.00000	99.56000	-0.47105	99.121	-0.017649	-1.4785	20.699E-6
	34.00000	2.00000	99.56000	-0.42486	99.121	-0.013951	-1.2991	18.254E-6
	35.00000	2.00000	99.56000	-0.38128	99.121	-0.010972	-1.1383	16.050E-6
	36.00000	2.00000	99.56000	-0.34068	99.121	-0.0086194	-0.99661	14.095E-6
	37.00000	2.00000	99.56000	-0.30319	99.121	-0.0067831	-0.87293	12.379E-6
	38.00000	2.00000	99.56000	-0.26882	99.121	-0.0053576	-0.76567	10.884E-6
	39.00000	2.00000	99.56000	-0.23748	99.121	-0.0042525	-0.67297	9.5859E-6
	40.00000	2.00000	99.56000	-0.20900	99.121	-0.0033943	-0.59296	8.4616E-6
	41.00000	2.00000	99.56000	-0.18319	99.121	-0.0027256	-0.52391	7.4882E-6
	42.00000	2.00000	99.56000	-0.15987	99.121	-0.0022022	-0.46425	6.6448E-6
	43.00000	2.00000	99.56000	-0.13881	99.121	-0.0017903	-0.41263	5.9132E-6
	44.00000	2.00000	99.56000	-0.11983	99.121	-0.0014643	-0.36786	5.2774E-6
	45.00000	2.00000	99.56000	-0.10274	99.121	-0.0012048	-0.32894	4.7236E-6
	46.00000	2.00000	99.56000	-0.087365	99.121	-997.01E-6	-0.29501	4.2400E-6
	47.00000	2.00000	99.56000	-0.073542	99.121	-829.63E-6	-0.26535	3.8166E-6
	48.00000	2.00000	99.56000	-0.061123	99.121	-694.04E-6	-0.23934	3.4449E-6
	49.00000	2.00000	99.56000	-0.049976	99.121	-583.59E-6	-0.21648	3.1177E-6
	50.00000	2.00000	99.56000	-0.039976	99.121	-493.12E-6	-0.19631	2.8289E-6
	0.00000	3.00000	99.56000	-0.11286	99.121	-701.00E-6	-0.27968	4.0303E-6
	1.00000	3.00000	99.56000	-0.13172	99.121	-835.10E-6	-0.31199	4.4936E-6
	2.00000	3.00000	99.56000	-0.15279	99.121	-999.60E-6	-0.34916	5.0261E-6
	3.00000	3.00000	99.56000	-0.17632	99.121	-0.0012024	-0.39208	5.6404E-6
	4.00000	3.00000	99.56000	-0.20259	99.121	-0.0014539	-0.44179	6.3513E-6
	5.00000	3.00000	99.56000	-0.23186	99.121	-0.0017673	-0.49955	7.1762E-6
	6.00000	3.00000	99.56000	-0.26444	99.121	-0.0021602	-0.56684	8.1361E-6
	7.00000	3.00000	99.56000	-0.30060	99.121	-0.0026558	-0.64537	9.2548E-6
	8.00000	3.00000	99.56000	-0.34056	99.121	-0.0032843	-0.73708	10.559E-6
	9.00000	3.00000	99.56000	-0.38446	99.121	-0.0040855	-0.84402	12.077E-6
	10.00000	3.00000	99.56000	-0.43229	99.121	-0.0051105	-0.96816	13.835E-6
	11.00000	3.00000	99.56000	-0.48376	99.121	-0.0064244	-1.1110	15.852E-6
	12.00000	3.00000	99.56000	-0.53828	99.121	-0.0081081	-1.2734	18.136E-6
	13.00000	3.00000	99.56000	-0.59490	99.121	-0.010262	-1.4549	20.677E-6
	14.00000	3.00000	99.56000	-0.65234	99.121	-0.013017	-1.6540	23.448E-6
	15.00000	3.00000	99.56000	-0.70912	99.121	-0.016544	-1.8698	26.413E-6
	16.00000	3.00000	99.56000	-0.76379	99.121	-0.021062	-2.0975	29.537E-6
	17.00000	3.00000	99.56000	-0.81497	99.121	-0.026818	-2.3382	32.781E-6
	18.00000	3.00000	99.56000	-0.86143	99.121	-0.034018	-2.5882	36.098E-6
	19.00000	3.00000	99.56000	-0.90201	99.121	-0.042695	-2.8424	39.410E-6
	20.00000	3.00000	99.56000	-0.93554	99.121	-0.052537	-3.0915	42.599E-6
	21.00000	3.00000	99.56000	-0.96080	99.121	-0.062790	-3.3217	45.494E-6
	22.00000	3.00000	99.56000	-0.97658	99.121	-0.072351	-3.5157	47.894E-6
	23.00000	3.00000	99.56000	-0.98180	99.121	-0.080076	-3.6561	49.597E-6
	24.00000	3.00000	99.56000	-0.97568	99.121	-0.085086	-3.7288	50.434E-6
	25.00000	3.00000	99.56000	-0.95788	99.121	-0.086879	-3.7246	50.295E-6
	26.00000	3.00000	99.56000	-0.92862	99.121	-0.085279	-3.6403	49.141E-6
	27.00000	3.00000	99.56000	-0.88871	99.121	-0.080394	-3.4794	47.018E-6
	28.00000	3.00000	99.56000	-0.83965	99.121	-0.072658	-3.2520	44.053E-6
	29.00000	3.00000	99.56000	-0.78354	99.121	-0.062901	-2.9750	40.456E-6
	30.00000	3.00000	99.56000	-0.72292	99.121	-0.052271	-2.6698	36.488E-6
	31.00000	3.00000	99.56000	-0.66040	99.121	-0.041942	-2.3586	32.418E-6
	32.00000	3.00000	99.56000	-0.59829	99.121	-0.032780	-2.0596	28.476E-6
	33.00000	3.00000	99.56000	-0.53839	99.121	-0.025193	-1.7851	24.822E-6
	34.00000	3.00000	99.56000	-0.48187	99.121	-0.019200	-1.5412	21.541E-6
	35.00000	3.00000	99.56000	-0.42940	99.121	-0.014606	-1.3289	18.659E-6
	36.00000	3.00000	99.56000	-0.38125	99.121	-0.011140	-1.1466	16.164E-6
	37.00000	3.00000	99.56000	-0.33741	99.121	-0.0085419	-0.99140	14.023E-6
	38.00000	3.00000	99.56000	-0.29771	99.121	-0.0065958	-0.85962	12.194E-6
	39.00000	3.00000	99.56000	-0.26191	99.121	-0.0051331	-0.74787	10.635E-6
	40.00000	3.00000	99.56000	-0.22970	99.121	-0.0040273	-0.65302	9.3061E-6
	41.00000	3.00000	99.56000	-0.20078	99.121	-0.0031857	-0.57236	8.1716E-6
	42.00000	3.00000	99.56000	-0.17483	99.121	-0.0025401	-0.50358	7.2011E-6
	43.00000	3.00000	99.56000	-0.15157	99.121	-0.0020410	-0.44474	6.3685E-6
	44.00000	3.00000	99.56000	-0.13074	99.121	-0.0016522	-0.39423	5.6521E-6
	45.00000	3.00000	99.56000	-0.11208	99.121	-0.0013470	-0.35072	5.0336E-6
	46.00000	3.00000	99.56000	-0.095369	99.121	-0.0011055	-0.31310	4.4979E-6
	47.00000	3.00000	99.56000	-0.080415	99.121	-913.16E-6	-0.28045	4.0322E-6
	48.00000	3.00000	99.56000	-0.067034	99.121	-758.86E-6	-0.25202	3.6261E-6
	49.00000	3.00000	99.56000	-0.055064	99.121	-634.27E-6	-0.22717	3.2707E-6
	50.00000	3.00000	99.56000	-0.044361	99.121	-533.04E-6	-0.20537	2.9587E-6
	0.00000	4.00000	99.56000	-0.12226	99.121	-768.49E-6	-0.29572	4.2603E-6
	1.00000	4.00000	99.56000	-0.14278	99.121	-921.64E-6	-0.33137	4.7712E-6
	2.00000	4.00000	99.56000	-0.16585	99.121	-0.0011113	-0.37272	5.3633E-6
	3.00000	4.00000	99.56000	-0.19179	99.121	-0.0013477	-0.42091	6.0527E-6
	4.00000	4.00000	99.56000	-0.22096	99.121	-0.0016443	-0.47733	6.8590E-6
	5.00000	4.00000	99.56000	-0.25377	99.121	-0.0020190	-0.54371	7.8065E-6
	6.00000	4.00000	99.56000	-0.29066	99.121	-0.0024960	-0.62217	8.9248E-6
	7.00000	4.00000	99.56000	-0.33208	99.121	-0.0031083	-0.71528	10.250E-6
	8.00000	4.00000	99.56000	-0.37847	99.121	-0.0039011	-0.82615	11.825E-6
	9.00000	4.00000	99.56000	-0.43021	99.121	-0.0049361	-0.95833	13.700E-6
	10.00000	4.00000	99.56000	-0.48750	99.121	-0.0062968	-1.1156	15.923E-6
	11.00000	4.00000	99.56000	-0.55020	99.121	-0.0080920	-1.3012	18.540E-6
	12.00000	4.00000	99.56000	-0.61768	99.121	-0.010457	-1.5170	21.571E-6
	13.00000	4.00000	99.56000	-0.68866	99.121	-0.013559	-1.7626	25.001E-6
	14.00000	4.00000	99.56000	-0.76131	99.121	-0.017615	-2.0349	28.778E-6
	15.00000	4.00000	99.56000	-0.83347	99.121	-0.022945	-2.3304	32.837E-6
	16.00000	4.00000	99.56000	-0.90308	99.121	-0.030032	-2.6469	37.123E-6
	17.00000	4.00000	99.56000	-0.96842	99.121	-0.039536	-2.9844	41.609E-6
	18.00000	4.00000	99.56000	-1.0281	99.121	-0.052185	-3.3429	46.264E-6
	19.00000	4.00000	99.56000	-1.0807	99.121	-0.068466	-3.7189	51.014E-6
	20.00000	4.00000	99.56000	-1.1250	99.121	-0.088066	-4.1003	55.698E-6
	21.00000	4.00000	99.56000	-1.1593	99.121	-0.10936	-4.4642	60.054E-6
	22.00000	4.00000	99.56000	-1.1816	99.121	-0.12959	-4.7791	63.745E-6
	23.00000	4.00000	99.56000	-1.1903	99.121	-0.14588	-5.0124	66.423E-6
	24.00000	4.00000	99.56000	-1.1839	99.121	-0.15634	-5.1384	67.798E-6
	25.00000	4.00000	99.56000	-1.1619	99.121	-0.16011	-5.1417	67.680E-6
	26.00000	4.00000	99.56000	-1.1242	99.121	-0.15699	-5.0163	65.997E-6
	27.00000	4.00000	99.56000	-1.0718	99.121	-0.14704	-4.7663	62.800E-6
	28.00000	4.00000	99.56000	-1.0067	99.121	-0.13094	-4.4071	58.285E-6
	29.00000	4.00000	99.56000	-0.93208	99.121	-0.11043	-3.9678	52.801E-6
	30.00000	4.00000	99.56000	-0.85186	99.121	-0.088316	-3.4886	46.806E-6
	31.00000	4.00000	99.56000	-0.77015	99.121	-0.067589	-3.0109	40.772E-6
	32.00000	4.00000	99.56000	-0.69043	99.121	-0.050199	-2.5667	35.081E-6
	33.00000	4.00000	99.56000	-0.61509	99.121	-0.036712	-2.1740	29.966E-6
	34.00000	4.00000	99.56000	-0.54548	99.121	-0.026744	-1.8377	25.517E-6
	35.00000	4.00000	99.56000	-0.48211	99.121	-0.019557	-1.5551	21.728E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	36.00000	4.00000	99.56000	-0.42497	99.121	-0.014420	-1.3200	18.538E-6
	37.00000	4.00000	99.56000	-0.37376	99.121	-0.010743	-1.1252	15.869E-6
	38.00000	4.00000	99.56000	-0.32804	99.121	-0.0080957	-0.96358	13.638E-6
	39.00000	4.00000	99.56000	-0.28728	99.121	-0.0061705	-0.82932	11.773E-6
	40.00000	4.00000	99.56000	-0.25100	99.121	-0.0047556	-0.71735	10.208E-6
	41.00000	4.00000	99.56000	-0.21871	99.121	-0.0037042	-0.62357	8.8926E-6
	42.00000	4.00000	99.56000	-0.18998	99.121	-0.0029143	-0.54466	7.7812E-6
	43.00000	4.00000	99.56000	-0.16441	99.121	-0.0023144	-0.47793	6.8385E-6
	44.00000	4.00000	99.56000	-0.14164	99.121	-0.0018543	-0.42124	6.0355E-6
	45.00000	4.00000	99.56000	-0.12136	99.121	-0.0014980	-0.37285	5.3483E-6
	46.00000	4.00000	99.56000	-0.10330	99.121	-0.0012196	-0.33134	4.7578E-6
	47.00000	4.00000	99.56000	-0.087196	99.121	-0.0010001	-0.29558	4.2481E-6
	48.00000	4.00000	99.56000	-0.072843	99.121	-825.75E-6	-0.26464	3.8065E-6
	49.00000	4.00000	99.56000	-0.060049	99.121	-686.17E-6	-0.23775	3.4222E-6
	50.00000	4.00000	99.56000	-0.048644	99.121	-573.63E-6	-0.21430	3.0866E-6
	0.00000	5.00000	99.56000	-0.13147	99.121	-839.49E-6	-0.31181	4.4907E-6
	1.00000	5.00000	99.56000	-0.15369	99.121	-0.0010136	-0.35094	5.0513E-6
	2.00000	5.00000	99.56000	-0.17880	99.121	-0.0012313	-0.39671	5.7065E-6
	3.00000	5.00000	99.56000	-0.20724	99.121	-0.0015057	-0.45057	6.4765E-6
	4.00000	5.00000	99.56000	-0.23947	99.121	-0.0018540	-0.51432	7.3870E-6
	5.00000	5.00000	99.56000	-0.27606	99.121	-0.0023004	-0.59030	8.4707E-6
	6.00000	5.00000	99.56000	-0.31763	99.121	-0.0028780	-0.68149	9.7696E-6
	7.00000	5.00000	99.56000	-0.36491	99.121	-0.0036339	-0.79174	11.337E-6
	8.00000	5.00000	99.56000	-0.41867	99.121	-0.0046362	-0.92599	13.243E-6
	9.00000	5.00000	99.56000	-0.47968	99.121	-0.0059842	-1.0904	15.572E-6
	10.00000	5.00000	99.56000	-0.54860	99.121	-0.0078223	-1.2924	18.425E-6
	11.00000	5.00000	99.56000	-0.62569	99.121	-0.010352	-1.5395	21.902E-6
	12.00000	5.00000	99.56000	-0.71042	99.121	-0.013823	-1.8368	26.067E-6
	13.00000	5.00000	99.56000	-0.80111	99.121	-0.018509	-2.1835	30.897E-6
	14.00000	5.00000	99.56000	-0.89486	99.121	-0.024715	-2.5716	36.262E-6
	15.00000	5.00000	99.56000	-0.98821	99.121	-0.032962	-2.9912	41.996E-6
	16.00000	5.00000	99.56000	-1.0781	99.121	-0.044256	-3.4388	48.002E-6
	17.00000	5.00000	99.56000	-1.1624	99.121	-0.060285	-3.9195	54.283E-6
	18.00000	5.00000	99.56000	-1.2397	99.121	-0.083387	-4.4432	60.881E-6
	19.00000	5.00000	99.56000	-1.3089	99.121	-0.11596	-5.0152	67.768E-6
	20.00000	5.00000	99.56000	-1.3686	99.121	-0.15869	-5.6237	74.742E-6
	21.00000	5.00000	99.56000	-1.4165	99.121	-0.20794	-6.2293	81.389E-6
	22.00000	5.00000	99.56000	-1.4494	99.121	-0.25550	-6.7682	87.142E-6
	23.00000	5.00000	99.56000	-1.4642	99.121	-0.29297	-7.1741	91.404E-6
	24.00000	5.00000	99.56000	-1.4587	99.121	-0.31612	-7.4001	93.677E-6
	25.00000	5.00000	99.56000	-1.4315	99.121	-0.32441	-7.4222	93.636E-6
	26.00000	5.00000	99.56000	-1.3825	99.121	-0.31803	-7.2308	91.135E-6
	27.00000	5.00000	99.56000	-1.3124	99.121	-0.29656	-6.8274	86.213E-6
	28.00000	5.00000	99.56000	-1.2238	99.121	-0.26011	-6.2317	79.152E-6
	29.00000	5.00000	99.56000	-1.1214	99.121	-0.21218	-5.4947	70.539E-6
	30.00000	5.00000	99.56000	-1.0120	99.121	-0.16083	-4.6979	61.206E-6
	31.00000	5.00000	99.56000	-0.90237	99.121	-0.11503	-3.9276	52.017E-6
	32.00000	5.00000	99.56000	-0.79808	99.121	-0.079612	-3.2436	43.627E-6
	33.00000	5.00000	99.56000	-0.70221	99.121	-0.054554	-2.6684	36.368E-6
	34.00000	5.00000	99.56000	-0.61596	99.121	-0.037583	-2.1992	30.294E-6
	35.00000	5.00000	99.56000	-0.53929	99.121	-0.026240	-1.8213	25.302E-6
	36.00000	5.00000	99.56000	-0.47157	99.121	-0.018626	-1.5181	21.230E-6
	37.00000	5.00000	99.56000	-0.41192	99.121	-0.013452	-1.2742	17.914E-6
	38.00000	5.00000	99.56000	-0.35945	99.121	-0.0098794	-1.0770	15.207E-6
	39.00000	5.00000	99.56000	-0.31328	99.121	-0.0073699	-0.91661	12.988E-6
	40.00000	5.00000	99.56000	-0.27261	99.121	-0.0055779	-0.78524	11.158E-6
	41.00000	5.00000	99.56000	-0.23676	99.121	-0.0042780	-0.67691	9.6420E-6
	42.00000	5.00000	99.56000	-0.20512	99.121	-0.0033212	-0.58695	8.3776E-6
	43.00000	5.00000	99.56000	-0.17715	99.121	-0.0026073	-0.51176	7.3170E-6
	44.00000	5.00000	99.56000	-0.15240	99.121	-0.0020680	-0.44853	6.4223E-6
	45.00000	5.00000	99.56000	-0.13048	99.121	-0.0016559	-0.39502	5.6634E-6
	46.00000	5.00000	99.56000	-0.11105	99.121	-0.0013375	-0.34949	5.0162E-6
	47.00000	5.00000	99.56000	-0.093797	99.121	-0.0010892	-0.31054	4.4615E-6
	48.00000	5.00000	99.56000	-0.078480	99.121	-893.72E-6	-0.27705	3.9837E-6
	49.00000	5.00000	99.56000	-0.064870	99.121	-738.51E-6	-0.24811	3.5702E-6
	50.00000	5.00000	99.56000	-0.052775	99.121	-614.28E-6	-0.22299	3.2109E-6
	0.00000	6.00000	99.56000	-0.14036	99.121	-913.34E-6	-0.32769	4.7182E-6
	1.00000	6.00000	99.56000	-0.16426	99.121	-0.0011102	-0.37042	5.3299E-6
	2.00000	6.00000	99.56000	-0.19144	99.121	-0.0013589	-0.42080	6.0506E-6
	3.00000	6.00000	99.56000	-0.22240	99.121	-0.0016756	-0.48063	6.9055E-6
	4.00000	6.00000	99.56000	-0.25778	99.121	-0.0020828	-0.55223	7.9274E-6
	5.00000	6.00000	99.56000	-0.29831	99.121	-0.0026120	-0.63869	9.1597E-6
	6.00000	6.00000	99.56000	-0.34488	99.121	-0.0033085	-0.74411	10.660E-6
	7.00000	6.00000	99.56000	-0.39855	99.121	-0.0042396	-0.87412	12.507E-6
	8.00000	6.00000	99.56000	-0.46059	99.121	-0.0055084	-1.0365	14.809E-6
	9.00000	6.00000	99.56000	-0.53242	99.121	-0.0072806	-1.2420	17.716E-6
	10.00000	6.00000	99.56000	-0.61557	99.121	-0.0098297	-1.5054	21.429E-6
	11.00000	6.00000	99.56000	-0.71130	99.121	-0.013601	-1.8450	26.197E-6
	12.00000	6.00000	99.56000	-0.81981	99.121	-0.019219	-2.2780	32.238E-6
	13.00000	6.00000	99.56000	-0.93895	99.121	-0.027234	-2.8057	39.552E-6
	14.00000	6.00000	99.56000	-1.0636	99.121	-0.037780	-3.4020	47.750E-6
	15.00000	6.00000	99.56000	-1.1874	99.121	-0.051225	-4.0311	56.298E-6
	16.00000	6.00000	99.56000	-1.3054	99.121	-0.069521	-4.6821	64.954E-6
	17.00000	6.00000	99.56000	-1.4152	99.121	-0.096916	-5.3765	73.843E-6
	18.00000	6.00000	99.56000	-1.5162	99.121	-0.14055	-6.1534	83.223E-6
	19.00000	6.00000	99.56000	-1.6086	99.121	-0.21054	-7.0502	93.195E-6
	20.00000	6.00000	99.56000	-1.6913	99.121	-0.31533	-8.0720	103.47E-6
	21.00000	6.00000	99.56000	-1.7611	99.121	-0.44786	-9.1502	113.35E-6
	22.00000	6.00000	99.56000	-1.8122	99.121	-0.57759	-10.137	122.03E-6
	23.00000	6.00000	99.56000	-1.8386	99.121	-0.67357	-10.881	128.65E-6
	24.00000	6.00000	99.56000	-1.8361	99.121	-0.72778	-11.297	132.33E-6
	25.00000	6.00000	99.56000	-1.8031	99.121	-0.74642	-11.361	132.45E-6
	26.00000	6.00000	99.56000	-1.7387	99.121	-0.73334	-11.064	128.69E-6
	27.00000	6.00000	99.56000	-1.6430	99.121	-0.68446	-10.389	121.03E-6
	28.00000	6.00000	99.56000	-1.5183	99.121	-0.59300	-9.3433	109.83E-6
	29.00000	6.00000	99.56000	-1.3718	99.121	-0.46345	-8.0100	96.114E-6
	30.00000	6.00000	99.56000	-1.2157	99.121	-0.32401	-6.5764	81.373E-6
	31.00000	6.00000	99.56000	-1.0634	99.121	-0.20904	-5.2526	67.159E-6
	32.00000	6.00000	99.56000	-0.92383	99.121	-0.13075	-4.1546	54.628E-6
	33.00000	6.00000	99.56000	-0.80044	99.121	-0.082247	-3.2944	44.251E-6
	34.00000	6.00000	99.56000	-0.69314	99.121	-0.052949	-2.6346	35.947E-6
	35.00000	6.00000	99.56000	-0.60045	99.121	-0.035071	-2.1295	29.392E-6
	36.00000	6.00000	99.56000	-0.52045	99.121	-0.023892	-1.7402	24.227E-6
	37.00000	6.00000	99.56000	-0.45133	99.121	-0.016702	-1.4371	20.138E-6
	38.00000	6.00000	99.56000	-0.39146	99.121	-0.011948	-1.1984	16.880E-6
	39.00000	6.00000	99.56000	-0.33947	99.121	-0.0087227	-1.0084	14.262E-6
	40.00000	6.00000	99.56000	-0.29418	99.121	-0.0064844	-0.85560	12.140E-6
	41.00000	6.00000	99.56000	-0.25463	99.121	-0.0048985	-0.73147	10.407E-6
	42.00000	6.00000	99.56000	-0.21999	99.121	-0.0037540	-0.62974	8.9800E-6
	43.00000	6.00000	99.56000	-0.18959	99.121	-0.0029144	-0.54566	7.7957E-6
	44.00000	6.00000	99.56000	-0.16286	99.121	-0.0022893	-0.47562	6.8061E-6
	45.00000	6.00000	99.56000	-0.13930	99.121	-0.0018175	-0.41688	5.9737E-6
	46.00000	6.00000	99.56000	-0.11850	99.121	-0.0014572	-0.36726	5.2690E-6
	47.00000	6.00000	99.56000	-0.10013	99.121	-0.0011788	-0.32510	4.6689E-6
	48.00000	6.00000	99.56000	-0.083864	99.121	-961.55E-6	-0.28905	4.1550E-6
	49.00000	6.00000	99.56000	-0.069462	99.121	-790.37E-6	-0.25808	3.7127E-6
	50.00000	6.00000	99.56000	-0.056699	99.121	-654.31E-6	-0.23132	3.3301E-6
	0.00000	7.00000	99.56000	-0.14876	99.121	-989.18E-6	-0.34313	4.9390E-6
	1.00000	7.00000	99.56000	-0.17430	99.121	-0.0012105	-0.38947	5.6022E-6
	2.00000	7.00000	99.56000	-0.20350	99.121	-0.0014927	-0.44454	6.3895E-6
	3.00000	7.00000	99.56000	-0.23698	99.121	-0.0018561	-0.51052	7.3317E-6
	4.00000	7.00000	99.56000	-0.27551	99.121	-0.0023292	-0.59033	8.4698E-6
	5.00000	7.00000	99.56000	-0.32005	99.121	-0.0029529	-0.68792	9.8597E-6
	6.00000	7.00000	99.56000	-0.37178	99.121	-0.0037881	-0.80881	11.579E-6
	7.00000	7.00000	99.56000	-0.43221	99.121	-0.0049292	-0.96092	13.737E-6
	8.00000	7.00000	99.56000	-0.50325	99.121	-0.0065319	-1.1561	16.501E-6
	9.00000	7.00000	99.56000	-0.58736	99.121	-0.0088764	-1.4125	20.122E-6
	10.00000	7.00000	99.56000	-0.68761	99.121	-0.012521	-1.7596	25.004E-6
	11.00000	7.00000	99.56000	-0.80754	99.121	-0.018682	-2.2447	31.778E-6
	12.00000	7.00000	99.56000	-0.95006	99.121	-0.029907	-2.9335	41.290E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	7.00000	99.56000	-1.1137	99.121	-0.049182	-3.8636	53.955E-6
	14.00000	7.00000	99.56000	-1.2881	99.121	-0.074013	-4.9337	68.412E-6
	15.00000	7.00000	99.56000	-1.4586	99.121	-0.099637	-5.9770	82.443E-6
	16.00000	7.00000	99.56000	-1.6164	99.121	-0.13009	-6.9637	95.444E-6
	17.00000	7.00000	99.56000	-1.7604	99.121	-0.17673	-7.9762	108.11E-6
	18.00000	7.00000	99.56000	-1.8930	99.121	-0.26033	-9.1360	121.31E-6
	19.00000	7.00000	99.56000	-2.0179	99.121	-0.42059	-10.578	135.27E-6
	20.00000	7.00000	99.56000	-2.1371	99.121	-0.71698	-12.396	148.75E-6
	21.00000	7.00000	99.56000	-2.2467	99.121	-1.1584	-14.487	159.88E-6
	22.00000	7.00000	99.56000	-2.3328	99.121	-1.5947	-16.453	169.43E-6
	23.00000	7.00000	99.56000	-2.3813	99.121	-1.8743	-17.887	178.08E-6
	24.00000	7.00000	99.56000	-2.3863	99.121	-2.0045	-18.657	183.58E-6
	25.00000	7.00000	99.56000	-2.3471	99.121	-2.0456	-18.805	183.94E-6
	26.00000	7.00000	99.56000	-2.2625	99.121	-2.0218	-18.344	178.28E-6
	27.00000	7.00000	99.56000	-2.1294	99.121	-1.9079	-17.189	166.47E-6
	28.00000	7.00000	99.56000	-1.9466	99.121	-1.6501	-15.236	149.34E-6
	29.00000	7.00000	99.56000	-1.7225	99.121	-1.2213	-12.563	129.22E-6
	30.00000	7.00000	99.56000	-1.4836	99.121	-0.74714	-9.6787	107.99E-6
	31.00000	7.00000	99.56000	-1.2611	99.121	-0.40749	-7.2106	86.945E-6
	32.00000	7.00000	99.56000	-1.0696	99.121	-0.22023	-5.3752	68.452E-6
	33.00000	7.00000	99.56000	-0.90944	99.121	-0.12425	-4.0723	53.716E-6
	34.00000	7.00000	99.56000	-0.77605	99.121	-0.073983	-3.1466	42.464E-6
	35.00000	7.00000	99.56000	-0.66452	99.121	-0.046304	-2.4772	33.951E-6
	36.00000	7.00000	99.56000	-0.57067	99.121	-0.030239	-1.9830	27.475E-6
	37.00000	7.00000	99.56000	-0.49118	99.121	-0.020463	-1.6108	22.497E-6
	38.00000	7.00000	99.56000	-0.42342	99.121	-0.014267	-1.3253	18.621E-6
	39.00000	7.00000	99.56000	-0.36533	99.121	-0.010202	-1.1028	15.567E-6
	40.00000	7.00000	99.56000	-0.31528	99.121	-0.0074550	-0.92688	13.133E-6
	41.00000	7.00000	99.56000	-0.27196	99.121	-0.0055512	-0.78608	11.172E-6
	42.00000	7.00000	99.56000	-0.23433	99.121	-0.0042025	-0.67211	9.5757E-6
	43.00000	7.00000	99.56000	-0.20151	99.121	-0.0032285	-0.57892	8.2650E-6
	44.00000	7.00000	99.56000	-0.17282	99.121	-0.0025130	-0.50200	7.1794E-6
	45.00000	7.00000	99.56000	-0.14766	99.121	-0.0019794	-0.43800	6.2733E-6
	46.00000	7.00000	99.56000	-0.12555	99.121	-0.0015759	-0.38432	5.5116E-6
	47.00000	7.00000	99.56000	-0.10608	99.121	-0.0012670	-0.33899	4.8669E-6
	48.00000	7.00000	99.56000	-0.088917	99.121	-0.0010278	-0.30046	4.3178E-6
	49.00000	7.00000	99.56000	-0.073759	99.121	-840.71E-6	-0.26751	3.8474E-6
	50.00000	7.00000	99.56000	-0.060360	99.121	-692.94E-6	-0.23916	3.4424E-6
	0.00000	8.00000	99.56000	-0.15652	99.121	-0.0010659	-0.35782	5.1489E-6
	1.00000	8.00000	99.56000	-0.18360	99.121	-0.0013129	-0.40772	5.8627E-6
	2.00000	8.00000	99.56000	-0.21472	99.121	-0.0016311	-0.46744	6.7160E-6
	3.00000	8.00000	99.56000	-0.25061	99.121	-0.0020452	-0.53959	7.7455E-6
	4.00000	8.00000	99.56000	-0.29220	99.121	-0.0025909	-0.62771	9.0012E-6
	5.00000	8.00000	99.56000	-0.34067	99.121	-0.0033205	-0.73674	10.552E-6
	6.00000	8.00000	99.56000	-0.39753	99.121	-0.0043140	-0.87379	12.499E-6
	7.00000	8.00000	99.56000	-0.46481	99.121	-0.0057005	-1.0495	14.990E-6
	8.00000	8.00000	99.56000	-0.54522	99.121	-0.0077069	-1.2809	18.263E-6
	9.00000	8.00000	99.56000	-0.64256	99.121	-0.010790	-1.5969	22.717E-6
	10.00000	8.00000	99.56000	-0.76232	99.121	-0.016066	-2.0521	29.095E-6
	11.00000	8.00000	99.56000	-0.91265	99.121	-0.027106	-2.7623	38.926E-6
	12.00000	8.00000	99.56000	-1.1051	99.121	-0.058917	-3.9999	55.511E-6
	13.00000	8.00000	99.56000	-1.3482	99.121	-0.16448	-6.2425	83.474E-6
	14.00000	8.00000	99.56000	-1.6171	99.121	-0.31402	-9.0240	117.35E-6
	15.00000	8.00000	99.56000	-1.8655	99.121	-0.39062	-11.126	144.53E-6
	16.00000	8.00000	99.56000	-2.0809	99.121	-0.44459	-12.707	165.13E-6
	17.00000	8.00000	99.56000	-2.2698	99.121	-0.52160	-14.181	183.19E-6
	18.00000	8.00000	99.56000	-2.4431	99.121	-0.67683	-15.890	201.24E-6
	19.00000	8.00000	99.56000	-2.6132	99.121	-1.0477	-18.214	218.82E-6
	20.00000	8.00000	99.56000	-2.7946	99.121	-1.9887	-21.562	226.45E-6
	21.00000	8.00000	99.56000	-2.9906	99.121	-3.8560	-25.787	206.45E-6
	22.00000	8.00000	99.56000	-3.1576	99.121	-5.7128	-29.840	184.42E-6
	23.00000	8.00000	99.56000	-3.2506	99.121	-6.6137	-32.646	185.93E-6
	24.00000	8.00000	99.56000	-3.2690	99.121	-6.8991	-34.003	193.20E-6
	25.00000	8.00000	99.56000	-3.2236	99.121	-6.9768	-34.289	193.96E-6
	26.00000	8.00000	99.56000	-3.1150	99.121	-6.9667	-33.626	184.77E-6
	27.00000	8.00000	99.56000	-2.9294	99.121	-6.7159	-31.676	167.38E-6
	28.00000	8.00000	99.56000	-2.6486	99.121	-5.9273	-27.855	146.26E-6
	29.00000	8.00000	99.56000	-2.2662	99.121	-4.1299	-21.794	136.55E-6
	30.00000	8.00000	99.56000	-1.8508	99.121	-1.9991	-15.078	131.84E-6
	31.00000	8.00000	99.56000	-1.5025	99.121	-0.82933	-10.082	110.26E-6
	32.00000	8.00000	99.56000	-1.2345	99.121	-0.36879	-6.9538	84.903E-6
	33.00000	8.00000	99.56000	-1.0269	99.121	-0.18377	-4.9990	64.578E-6
	34.00000	8.00000	99.56000	-0.86246	99.121	-0.10093	-3.7239	49.673E-6
	35.00000	8.00000	99.56000	-0.72972	99.121	-0.059768	-2.8545	38.843E-6
	36.00000	8.00000	99.56000	-0.62084	99.121	-0.037499	-2.2391	30.877E-6
	37.00000	8.00000	99.56000	-0.53040	99.121	-0.024619	-1.7899	24.917E-6
	38.00000	8.00000	99.56000	-0.45449	99.121	-0.016762	-1.4538	20.378E-6
	39.00000	8.00000	99.56000	-0.39022	99.121	-0.011758	-1.1969	16.866E-6
	40.00000	8.00000	99.56000	-0.33541	99.121	-0.0084580	-0.99710	14.109E-6
	41.00000	8.00000	99.56000	-0.28839	99.121	-0.0062154	-0.83930	11.916E-6
	42.00000	8.00000	99.56000	-0.24782	99.121	-0.0046529	-0.71301	10.150E-6
	43.00000	8.00000	99.56000	-0.21267	99.121	-0.0035403	-0.61075	8.7136E-6
	44.00000	8.00000	99.56000	-0.18210	99.121	-0.0027328	-0.52707	7.5337E-6
	45.00000	8.00000	99.56000	-0.15541	99.121	-0.0021369	-0.45794	6.5560E-6
	46.00000	8.00000	99.56000	-0.13206	99.121	-0.0016905	-0.40034	5.7391E-6
	47.00000	8.00000	99.56000	-0.11157	99.121	-0.0013515	-0.35197	5.0516E-6
	48.00000	8.00000	99.56000	-0.093556	99.121	-0.0010909	-0.31106	4.4689E-6
	49.00000	8.00000	99.56000	-0.077693	99.121	-888.38E-6	-0.27623	3.9721E-6
	50.00000	8.00000	99.56000	-0.063706	99.121	-729.33E-6	-0.24640	3.5458E-6
	0.00000	9.00000	99.56000	-0.16346	99.121	-0.0011420	-0.37145	5.3436E-6
	1.00000	9.00000	99.56000	-0.19196	99.121	-0.0014158	-0.42476	6.1056E-6
	2.00000	9.00000	99.56000	-0.22484	99.121	-0.0017717	-0.48896	7.0223E-6
	3.00000	9.00000	99.56000	-0.26295	99.121	-0.0022398	-0.56708	8.1362E-6
	4.00000	9.00000	99.56000	-0.30738	99.121	-0.0028641	-0.66333	9.5065E-6
	5.00000	9.00000	99.56000	-0.35953	99.121	-0.0037102	-0.78364	11.216E-6
	6.00000	9.00000	99.56000	-0.42126	99.121	-0.0048803	-0.93678	13.389E-6
	7.00000	9.00000	99.56000	-0.49508	99.121	-0.0065440	-1.1363	16.214E-6
	8.00000	9.00000	99.56000	-0.58459	99.121	-0.0090124	-1.4048	20.005E-6
	9.00000	9.00000	99.56000	-0.69509	99.121	-0.012958	-1.7834	25.330E-6
	10.00000	9.00000	99.56000	-0.83501	99.121	-0.020283	-2.3591	33.369E-6
	11.00000	9.00000	99.56000	-1.0193	99.121	-0.039214	-3.3608	47.090E-6
	12.00000	9.00000	99.56000	-1.2786	99.121	-0.14335	-5.6815	76.249E-6
	13.00000	9.00000	99.56000	-1.7079	99.121	-2.6079	-15.889	117.11E-6
	14.00000	9.00000	99.56000	-2.3082	99.121	-9.3147	-34.512	95.363E-6
	15.00000	9.00000	99.56000	-2.6952	99.121	-9.7613	-40.054	156.38E-6
	16.00000	9.00000	99.56000	-2.9911	99.121	-9.8670	-42.705	190.26E-6
	17.00000	9.00000	99.56000	-3.2361	99.121	-9.9863	-44.809	215.62E-6
	18.00000	9.00000	99.56000	-3.4583	99.121	-10.247	-47.224	239.32E-6
	19.00000	9.00000	99.56000	-3.6868	99.121	-11.006	-50.781	257.90E-6
	20.00000	9.00000	99.56000	-3.9712	99.121	-13.670	-56.421	223.74E-6
	21.00000	9.00000	99.56000	-4.3054	99.121	-17.715	-57.312	60.503E-6
	22.00000	9.00000	99.56000	-4.6041	99.121	-21.739	-57.968	-105.26E-6
	23.00000	9.00000	99.56000	-4.7785	99.121	-24.304	-62.835	-146.32E-6
	24.00000	9.00000	99.56000	-4.8121	99.121	-24.732	-64.916	-134.72E-6
	25.00000	9.00000	99.56000	-4.7588	99.121	-24.802	-65.349	-131.49E-6
	26.00000	9.00000	99.56000	-4.6305	99.121	-25.022	-64.591	-152.07E-6
	27.00000	9.00000	99.56000	-4.3790	99.121	-24.563	-61.538	-176.42E-6
	28.00000	9.00000	99.56000	-3.9441	99.121	-22.422	-54.403	-186.78E-6
	29.00000	9.00000	99.56000	-3.2067	99.121	-15.033	-40.334	-69.195E-6
	30.00000	9.00000	99.56000	-2.3533	99.121	-5.3031	-23.883	115.77E-6
	31.00000	9.00000	99.56000	-1.7819	99.121	-1.5800	-13.904	133.05E-6
	32.00000	9.00000	99.56000	-1.4111	99.121	-0.57843	-8.8201	102.87E-6
	33.00000	9.00000	99.56000	-1.1474	99.121	-0.25785	-6.0234	76.225E-6
	34.00000	9.00000	99.56000	-0.94871	99.121	-0.13212	-4.3359	57.200E-6
	35.00000	9.00000	99.56000	-0.79350	99.121	-0.074637	-3.2429	43.835E-6
	36.00000	9.00000	99.56000	-0.66916	99.121	-0.045258	-2.4969	34.283E-6
	37.00000	9.00000	99.56000	-0.56771	99.121	-0.028951	-1.9671	27.301E-6
	38.00000	9.00000	99.56000	-0.48373	99.121	-0.019311	-1.5790	22.086E-6
	39.00000	9.00000	99.56000	-0.41344	99.121	-0.013323	-1.2875	18.114E-6
	40.00000	9.00000	99.56000	-0.35405	99.121	-0.0094514	-1.0639	15.036E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	41.00000	9.00000	99.56000	-0.30348	99.121	-0.0068651	-0.88948	12.616E-6
	42.00000	9.00000	99.56000	-0.26015	99.121	-0.0050885	-0.75126	10.686E-6
	43.00000	9.00000	99.56000	-0.22282	99.121	-0.0038388	-0.64030	9.1296E-6
	44.00000	9.00000	99.56000	-0.19050	99.121	-0.0029415	-0.55018	7.8602E-6
	45.00000	9.00000	99.56000	-0.16241	99.121	-0.0022853	-0.47622	6.8149E-6
	46.00000	9.00000	99.56000	-0.13791	99.121	-0.0017977	-0.41494	5.9465E-6
	47.00000	9.00000	99.56000	-0.11648	99.121	-0.0014301	-0.36375	5.2192E-6
	48.00000	9.00000	99.56000	-0.097701	99.121	-0.0011492	-0.32065	4.6056E-6
	49.00000	9.00000	99.56000	-0.081200	99.121	-932.20E-6	-0.28409	4.0843E-6
	50.00000	9.00000	99.56000	-0.066682	99.121	-762.63E-6	-0.25289	3.6386E-6
	0.00000	10.00000	99.56000	-0.16943	99.121	-0.0012160	-0.38373	5.5186E-6
	1.00000	10.00000	99.56000	-0.19916	99.121	-0.0015160	-0.44017	6.3250E-6
	2.00000	10.00000	99.56000	-0.23359	99.121	-0.0019116	-0.50852	7.3002E-6
	3.00000	10.00000	99.56000	-0.27365	99.121	-0.0024361	-0.59222	8.4927E-6
	4.00000	10.00000	99.56000	-0.32059	99.121	-0.0031438	-0.69608	9.9698E-6
	5.00000	10.00000	99.56000	-0.37599	99.121	-0.0041152	-0.82699	11.828E-6
	6.00000	10.00000	99.56000	-0.44203	99.121	-0.0054778	-0.99525	14.212E-6
	7.00000	10.00000	99.56000	-0.52168	99.121	-0.0074455	-1.2171	17.348E-6
	8.00000	10.00000	99.56000	-0.61929	99.121	-0.010414	-1.5200	21.616E-6
	9.00000	10.00000	99.56000	-0.74147	99.121	-0.015250	-1.9554	27.727E-6
	10.00000	10.00000	99.56000	-0.89918	99.121	-0.024449	-2.6359	37.207E-6
	11.00000	10.00000	99.56000	-1.1129	99.121	-0.049219	-3.8738	54.103E-6
	12.00000	10.00000	99.56000	-1.4291	99.121	-0.19690	-6.9879	92.885E-6
	13.00000	10.00000	99.56000	-2.0376	99.121	-5.0476	-24.134	130.55E-6
	14.00000	10.00000	99.56000	-3.4498	99.121	-35.569	-79.450	-395.77E-6
	15.00000	10.00000	99.56000	-4.0722	99.121	-38.901	-95.094	-313.74E-6
	16.00000	10.00000	99.56000	-4.4684	99.121	-39.112	-99.416	-260.19E-6
	17.00000	10.00000	99.56000	-4.7777	99.121	-39.282	-102.30	-225.75E-6
	18.00000	10.00000	99.56000	-5.0533	99.121	-39.657	-105.49	-195.79E-6
	19.00000	10.00000	99.56000	-5.3443	99.121	-40.853	-110.37	-177.00E-6
	20.00000	10.00000	99.56000	-5.7443	99.121	-45.611	-118.39	-267.81E-6
	21.00000	10.00000	99.56000	-6.0360	99.121	-44.551	-105.07	-415.03E-6
	22.00000	10.00000	99.56000	-6.2851	99.121	-43.460	-91.444	-565.31E-6
	23.00000	10.00000	99.56000	-6.5519	99.121	-48.046	-98.428	-663.70E-6
	24.00000	10.00000	99.56000	-6.5991	99.121	-48.567	-101.22	-645.85E-6
	25.00000	10.00000	99.56000	-6.5365	99.121	-48.592	-101.78	-638.82E-6
	26.00000	10.00000	99.56000	-6.3923	99.121	-49.164	-100.98	-675.29E-6
	27.00000	10.00000	99.56000	-6.0726	99.121	-48.485	-96.759	-707.04E-6
	28.00000	10.00000	99.56000	-5.4680	99.121	-44.709	-85.896	-700.30E-6
	29.00000	10.00000	99.56000	-4.2955	99.121	-29.725	-62.128	-392.71E-6
	30.00000	10.00000	99.56000	-2.8879	99.121	-9.3771	-33.646	80.073E-6
	31.00000	10.00000	99.56000	-2.0623	99.121	-2.4206	-17.912	154.64E-6
	32.00000	10.00000	99.56000	-1.5832	99.121	-0.80127	-10.715	120.68E-6
	33.00000	10.00000	99.56000	-1.2626	99.121	-0.33440	-7.0415	87.673E-6
	34.00000	10.00000	99.56000	-1.0299	99.121	-0.16374	-4.9338	64.505E-6
	35.00000	10.00000	99.56000	-0.85278	99.121	-0.089487	-3.6169	48.618E-6
	36.00000	10.00000	99.56000	-0.71357	99.121	-0.052903	-2.7419	37.507E-6
	37.00000	10.00000	99.56000	-0.60165	99.121	-0.033166	-2.1335	29.533E-6
	38.00000	10.00000	99.56000	-0.51011	99.121	-0.021761	-1.6953	23.668E-6
	39.00000	10.00000	99.56000	-0.43422	99.121	-0.014809	-1.3708	19.259E-6
	40.00000	10.00000	99.56000	-0.37062	99.121	-0.010386	-1.1249	15.880E-6
	41.00000	10.00000	99.56000	-0.31683	99.121	-0.0074703	-0.93486	13.248E-6
	42.00000	10.00000	99.56000	-0.27100	99.121	-0.0054908	-0.78560	11.167E-6
	43.00000	10.00000	99.56000	-0.23170	99.121	-0.0041124	-0.66667	9.5006E-6
	44.00000	10.00000	99.56000	-0.19782	99.121	-0.0031313	-0.57069	8.1498E-6
	45.00000	10.00000	99.56000	-0.16849	99.121	-0.0024194	-0.49236	7.0435E-6
	46.00000	10.00000	99.56000	-0.14298	99.121	-0.0018940	-0.42779	6.1288E-6
	47.00000	10.00000	99.56000	-0.12073	99.121	-0.0015002	-0.37407	5.3660E-6
	48.00000	10.00000	99.56000	-0.10128	99.121	-0.0012011	-0.32901	4.7247E-6
	49.00000	10.00000	99.56000	-0.084220	99.121	-971.00E-6	-0.29093	4.1819E-6
	50.00000	10.00000	99.56000	-0.069239	99.121	-791.98E-6	-0.25852	3.7191E-6
	0.00000	11.00000	99.56000	-0.17429	99.121	-0.0012859	-0.39434	5.6696E-6
	1.00000	11.00000	99.56000	-0.20504	99.121	-0.0016135	-0.45355	6.5151E-6
	2.00000	11.00000	99.56000	-0.24073	99.121	-0.0020471	-0.52558	7.5420E-6
	3.00000	11.00000	99.56000	-0.28240	99.121	-0.0026292	-0.61423	8.8039E-6
	4.00000	11.00000	99.56000	-0.33140	99.121	-0.0034232	-0.72486	10.376E-6
	5.00000	11.00000	99.56000	-0.38947	99.121	-0.0045268	-0.86519	12.365E-6
	6.00000	11.00000	99.56000	-0.45902	99.121	-0.0060954	-1.0468	14.934E-6
	7.00000	11.00000	99.56000	-0.54338	99.121	-0.0083901	-1.2880	18.336E-6
	8.00000	11.00000	99.56000	-0.64743	99.121	-0.011888	-1.6196	22.998E-6
	9.00000	11.00000	99.56000	-0.77860	99.121	-0.017590	-2.0988	29.708E-6
	10.00000	11.00000	99.56000	-0.94914	99.121	-0.028137	-2.8467	40.108E-6
	11.00000	11.00000	99.56000	-1.1813	99.121	-0.053536	-4.1752	58.290E-6
	12.00000	11.00000	99.56000	-1.5210	99.121	-0.15807	-7.1567	97.027E-6
	13.00000	11.00000	99.56000	-2.0819	99.121	-1.4284	-17.880	197.39E-6
	14.00000	11.00000	99.56000	-3.6307	99.121	-33.271	-76.784	-334.36E-6
	15.00000	11.00000	99.56000	-4.4685	99.121	-39.652	-102.40	-240.37E-6
	16.00000	11.00000	99.56000	-4.9722	99.121	-40.045	-108.90	-163.10E-6
	17.00000	11.00000	99.56000	-5.3492	99.121	-40.269	-112.67	-118.21E-6
	18.00000	11.00000	99.56000	-5.6779	99.121	-40.738	-116.60	-81.486E-6
	19.00000	11.00000	99.56000	-6.0235	99.121	-42.216	-122.55	-59.458E-6
	20.00000	11.00000	99.56000	-6.5016	99.121	-47.986	-132.45	-167.10E-6
	21.00000	11.00000	99.56000	-6.9158	99.121	-49.474	-121.36	-392.99E-6
	22.00000	11.00000	99.56000	-7.2807	99.121	-50.924	-109.89	-622.56E-6
	23.00000	11.00000	99.56000	-7.6039	99.121	-56.485	-118.53	-739.44E-6
	24.00000	11.00000	99.56000	-7.6653	99.121	-57.178	-121.94	-720.04E-6
	25.00000	11.00000	99.56000	-7.5959	99.121	-57.233	-122.62	-712.60E-6
	26.00000	11.00000	99.56000	-7.4282	99.121	-57.864	-121.61	-754.71E-6
	27.00000	11.00000	99.56000	-7.0509	99.121	-57.009	-116.44	-792.66E-6
	28.00000	11.00000	99.56000	-6.3286	99.121	-52.417	-103.14	-785.65E-6
	29.00000	11.00000	99.56000	-4.9381	99.121	-34.883	-74.436	-438.67E-6
	30.00000	11.00000	99.56000	-3.2789	99.121	-11.303	-40.222	91.666E-6
	31.00000	11.00000	99.56000	-2.2958	99.121	-2.9693	-21.077	176.69E-6
	32.00000	11.00000	99.56000	-1.7323	99.121	-0.97427	-12.330	136.58E-6
	33.00000	11.00000	99.56000	-1.3633	99.121	-0.39896	-7.9358	97.846E-6
	34.00000	11.00000	99.56000	-1.1009	99.121	-0.19148	-5.4645	71.001E-6
	35.00000	11.00000	99.56000	-0.90432	99.121	-0.10274	-3.9490	52.862E-6
	36.00000	11.00000	99.56000	-0.75193	99.121	-0.059765	-2.9586	40.354E-6
	37.00000	11.00000	99.56000	-0.63077	99.121	-0.036946	-2.2798	31.492E-6
	38.00000	11.00000	99.56000	-0.53260	99.121	-0.023950	-1.7969	25.047E-6
	39.00000	11.00000	99.56000	-0.45184	99.121	-0.016130	-1.4431	20.250E-6
	40.00000	11.00000	99.56000	-0.38459	99.121	-0.011210	-1.1774	16.606E-6
	41.00000	11.00000	99.56000	-0.32803	99.121	-0.0080007	-0.97371	13.789E-6
	42.00000	11.00000	99.56000	-0.28007	99.121	-0.0058410	-0.81485	11.577E-6
	43.00000	11.00000	99.56000	-0.23910	99.121	-0.0043490	-0.68901	9.8147E-6
	44.00000	11.00000	99.56000	-0.20391	99.121	-0.0032945	-0.58799	8.3938E-6
	45.00000	11.00000	99.56000	-0.17352	99.121	-0.0025341	-0.50592	7.2354E-6
	46.00000	11.00000	99.56000	-0.14717	99.121	-0.0019759	-0.43854	6.2813E-6
	47.00000	11.00000	99.56000	-0.12423	99.121	-0.0015597	-0.38268	5.4883E-6
	48.00000	11.00000	99.56000	-0.10422	99.121	-0.0012449	-0.33597	4.8239E-6
	49.00000	11.00000	99.56000	-0.086697	99.121	-0.0010036	-0.29660	4.2628E-6
	50.00000	11.00000	99.56000	-0.071334	99.121	-816.61E-6	-0.26318	3.7858E-6
	0.00000	12.00000	99.56000	-0.17793	99.121	-0.0013496	-0.40301	5.7928E-6
	1.00000	12.00000	99.56000	-0.20943	99.121	-0.0017027	-0.46453	6.6706E-6
	2.00000	12.00000	99.56000	-0.24607	99.121	-0.0021740	-0.53962	7.7404E-6
	3.00000	12.00000	99.56000	-0.28894	99.121	-0.0028129	-0.63242	9.0599E-6
	4.00000	12.00000	99.56000	-0.33945	99.121	-0.0036939	-0.74870	10.710E-6
	5.00000	12.00000	99.56000	-0.39948	99.121	-0.0049335	-0.89687	12.807E-6
	6.00000	12.00000	99.56000	-0.47157	99.121	-0.0067184	-1.0895	15.526E-6
	7.00000	12.00000	99.56000	-0.55927	99.121	-0.0093629	-1.3461	19.137E-6
	8.00000	12.00000	99.56000	-0.66769	99.121	-0.013430	-1.6995	24.090E-6
	9.00000	12.00000	99.56000	-0.80457	99.121	-0.020032	-2.2079	31.185E-6
	10.00000	12.00000	99.56000	-0.98226	99.121	-0.031772	-2.9881	42.002E-6
	11.00000	12.00000	99.56000	-1.2219	99.121	-0.056626	-4.3108	60.124E-6
	12.00000	12.00000	99.56000	-1.5636	99.121	-0.13279	-6.9644	95.336E-6
	13.00000	12.00000	99.56000	-2.0928	99.121	-0.65642	-14.337	179.57E-6
	14.00000	12.00000	99.56000	-3.1386	99.121	-12.797	-49.858	166.50E-6
	15.00000	12.00000	99.56000	-4.6094	99.121	-39.332	-101.68	-236.88E-6
	16.00000	12.00000	99.56000	-5.2265	99.121	-40.168	-111.46	-131.29E-6
	17.00000	12.00000	99.56000	-5.6729	99.121	-40.462	-116.26	-74.380E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	18.00000	12.00000	99.56000	-6.0521	99.121	-41.001	-120.90	-30.603E-6
	19.00000	12.00000	99.56000	-6.4414	99.121	-42.614	-127.59	-3.6767E-6
	20.00000	12.00000	99.56000	-6.9643	99.121	-48.688	-138.48	-110.09E-6
	21.00000	12.00000	99.56000	-7.4273	99.121	-50.718	-128.66	-341.18E-6
	22.00000	12.00000	99.56000	-7.8344	99.121	-52.703	-118.39	-576.70E-6
	23.00000	12.00000	99.56000	-8.1827	99.121	-58.555	-127.82	-694.69E-6
	24.00000	12.00000	99.56000	-8.2521	99.121	-59.363	-131.61	-674.81E-6
	25.00000	12.00000	99.56000	-8.1759	99.121	-59.443	-132.33	-667.90E-6
	26.00000	12.00000	99.56000	-7.9857	99.121	-60.039	-131.05	-712.41E-6
	27.00000	12.00000	99.56000	-7.5669	99.121	-59.076	-125.23	-755.04E-6
	28.00000	12.00000	99.56000	-6.7770	99.121	-54.211	-110.71	-753.94E-6
	29.00000	12.00000	99.56000	-5.2911	99.121	-36.138	-80.104	-411.05E-6
	30.00000	12.00000	99.56000	-3.5292	99.121	-11.942	-43.818	116.05E-6
	31.00000	12.00000	99.56000	-2.4649	99.121	-3.2336	-23.147	195.24E-6
	32.00000	12.00000	99.56000	-1.8468	99.121	-1.0808	-13.508	149.06E-6
	33.00000	12.00000	99.56000	-1.4427	99.121	-0.44456	-8.6271	105.90E-6
	34.00000	12.00000	99.56000	-1.1572	99.121	-0.21257	-5.8859	76.201E-6
	35.00000	12.00000	99.56000	-0.94527	99.121	-0.11321	-4.2156	56.277E-6
	36.00000	12.00000	99.56000	-0.78233	99.121	-0.065287	-3.1331	42.647E-6
	37.00000	12.00000	99.56000	-0.65377	99.121	-0.040012	-2.3974	33.066E-6
	38.00000	12.00000	99.56000	-0.55027	99.121	-0.025728	-1.8783	26.151E-6
	39.00000	12.00000	99.56000	-0.46562	99.121	-0.017200	-1.5007	21.041E-6
	40.00000	12.00000	99.56000	-0.39548	99.121	-0.011877	-1.2191	17.183E-6
	41.00000	12.00000	99.56000	-0.33673	99.121	-0.0084275	-1.0045	14.217E-6
	42.00000	12.00000	99.56000	-0.28708	99.121	-0.0061216	-0.83789	11.899E-6
	43.00000	12.00000	99.56000	-0.24481	99.121	-0.0045378	-0.70655	10.061E-6
	44.00000	12.00000	99.56000	-0.20859	99.121	-0.0034242	-0.60152	8.5847E-6
	45.00000	12.00000	99.56000	-0.17738	99.121	-0.0026249	-0.51650	7.3850E-6
	46.00000	12.00000	99.56000	-0.15037	99.121	-0.0020406	-0.44690	6.3998E-6
	47.00000	12.00000	99.56000	-0.12691	99.121	-0.0016065	-0.38935	5.5833E-6
	48.00000	12.00000	99.56000	-0.10646	99.121	-0.0012792	-0.34135	4.9006E-6
	49.00000	12.00000	99.56000	-0.088586	99.121	-0.0010292	-0.30099	4.3253E-6
	50.00000	12.00000	99.56000	-0.072929	99.121	-835.81E-6	-0.26678	3.8371E-6
	0.00000	13.00000	99.56000	-0.18027	99.121	-0.0014050	-0.40951	5.8847E-6
	1.00000	13.00000	99.56000	-0.21224	99.121	-0.0017813	-0.47278	6.7869E-6
	2.00000	13.00000	99.56000	-0.24947	99.121	-0.0022876	-0.55021	7.8892E-6
	3.00000	13.00000	99.56000	-0.29308	99.121	-0.0029801	-0.64617	9.2523E-6
	4.00000	13.00000	99.56000	-0.34451	99.121	-0.0039455	-0.76677	10.961E-6
	5.00000	13.00000	99.56000	-0.40571	99.121	-0.0053202	-0.92087	13.139E-6
	6.00000	13.00000	99.56000	-0.47927	99.121	-0.0073269	-1.1217	15.967E-6
	7.00000	13.00000	99.56000	-0.56879	99.121	-0.010342	-1.3896	19.726E-6
	8.00000	13.00000	99.56000	-0.67942	99.121	-0.015036	-1.7578	24.868E-6
	9.00000	13.00000	99.56000	-0.81878	99.121	-0.022686	-2.2838	32.171E-6
	10.00000	13.00000	99.56000	-0.99861	99.121	-0.036002	-3.0750	43.080E-6
	11.00000	13.00000	99.56000	-1.2381	99.121	-0.061882	-4.3595	60.602E-6
	12.00000	13.00000	99.56000	-1.5708	99.121	-0.12513	-6.7170	92.077E-6
	13.00000	13.00000	99.56000	-2.0637	99.121	-0.40702	-12.237	159.94E-6
	14.00000	13.00000	99.56000	-2.9752	99.121	-8.0875	-37.610	193.80E-6
	15.00000	13.00000	99.56000	-4.5822	99.121	-37.768	-96.305	-246.83E-6
	16.00000	13.00000	99.56000	-5.3385	99.121	-40.275	-112.30	-123.78E-6
	17.00000	13.00000	99.56000	-5.8585	99.121	-40.700	-118.51	-52.191E-6
	18.00000	13.00000	99.56000	-6.2878	99.121	-41.322	-123.89	-1.1166E-6
	19.00000	13.00000	99.56000	-6.7133	99.121	-43.016	-131.13	30.303E-6
	20.00000	13.00000	99.56000	-7.2622	99.121	-49.171	-142.46	-73.401E-6
	21.00000	13.00000	99.56000	-7.7419	99.121	-51.278	-132.95	-303.16E-6
	22.00000	13.00000	99.56000	-8.1590	99.121	-53.327	-122.91	-538.18E-6
	23.00000	13.00000	99.56000	-8.5134	99.121	-59.255	-132.54	-656.69E-6
	24.00000	13.00000	99.56000	-8.5883	99.121	-60.224	-136.55	-640.65E-6
	25.00000	13.00000	99.56000	-8.5063	99.121	-60.350	-137.25	-636.04E-6
	26.00000	13.00000	99.56000	-8.2930	99.121	-60.761	-135.57	-678.18E-6
	27.00000	13.00000	99.56000	-7.8448	99.121	-59.680	-129.26	-722.71E-6
	28.00000	13.00000	99.56000	-7.0179	99.121	-54.712	-114.14	-725.95E-6
	29.00000	13.00000	99.56000	-5.4866	99.121	-36.503	-82.767	-388.30E-6
	30.00000	13.00000	99.56000	-3.6773	99.121	-12.163	-45.677	133.38E-6
	31.00000	13.00000	99.56000	-2.5719	99.121	-3.3494	-24.344	207.57E-6
	32.00000	13.00000	99.56000	-1.9227	99.121	-1.1373	-14.251	157.38E-6
	33.00000	13.00000	99.56000	-1.4965	99.121	-0.47202	-9.0864	111.37E-6
	34.00000	13.00000	99.56000	-1.1958	99.121	-0.22626	-6.1742	79.791E-6
	35.00000	13.00000	99.56000	-0.97346	99.121	-0.12030	-4.4007	58.656E-6
	36.00000	13.00000	99.56000	-0.80325	99.121	-0.069115	-3.2549	44.250E-6
	37.00000	13.00000	99.56000	-0.66955	99.121	-0.042161	-2.4796	34.167E-6
	38.00000	13.00000	99.56000	-0.56238	99.121	-0.026980	-1.9352	26.922E-6
	39.00000	13.00000	99.56000	-0.47503	99.121	-0.017955	-1.5409	21.591E-6
	40.00000	13.00000	99.56000	-0.40289	99.121	-0.012346	-1.2481	17.584E-6
	41.00000	13.00000	99.56000	-0.34263	99.121	-0.0087272	-1.0258	14.514E-6
	42.00000	13.00000	99.56000	-0.29183	99.121	-0.0063180	-0.85383	12.122E-6
	43.00000	13.00000	99.56000	-0.24866	99.121	-0.0046696	-0.71865	10.231E-6
	44.00000	13.00000	99.56000	-0.21174	99.121	-0.0035145	-0.61084	8.7160E-6
	45.00000	13.00000	99.56000	-0.17998	99.121	-0.0026879	-0.52376	7.4877E-6
	46.00000	13.00000	99.56000	-0.15253	99.121	-0.0020854	-0.45263	6.4812E-6
	47.00000	13.00000	99.56000	-0.12871	99.121	-0.0016388	-0.39393	5.6483E-6
	48.00000	13.00000	99.56000	-0.10796	99.121	-0.0013029	-0.34504	4.9531E-6
	49.00000	13.00000	99.56000	-0.089950	99.121	-0.0010467	-0.30398	4.3681E-6
	50.00000	13.00000	99.56000	-0.073995	99.121	-849.02E-6	-0.26924	3.8722E-6
	0.00000	14.00000	99.56000	-0.18124	99.121	-0.0014496	-0.41365	5.9428E-6
	1.00000	14.00000	99.56000	-0.21339	99.121	-0.0018458	-0.47805	6.8607E-6
	2.00000	14.00000	99.56000	-0.25084	99.121	-0.0023825	-0.55701	7.9837E-6
	3.00000	14.00000	99.56000	-0.29470	99.121	-0.0031229	-0.65502	9.3746E-6
	4.00000	14.00000	99.56000	-0.34644	99.121	-0.0041654	-0.77843	11.121E-6
	5.00000	14.00000	99.56000	-0.40798	99.121	-0.0056678	-0.93637	13.349E-6
	6.00000	14.00000	99.56000	-0.48191	99.121	-0.0078916	-1.1424	16.244E-6
	7.00000	14.00000	99.56000	-0.57176	99.121	-0.011287	-1.4174	20.088E-6
	8.00000	14.00000	99.56000	-0.68254	99.121	-0.016666	-1.7945	25.329E-6
	9.00000	14.00000	99.56000	-0.82150	99.121	-0.025574	-2.3295	32.709E-6
	10.00000	14.00000	99.56000	-0.99953	99.121	-0.041181	-3.1225	43.543E-6
	11.00000	14.00000	99.56000	-1.2337	99.121	-0.070768	-4.3704	60.373E-6
	12.00000	14.00000	99.56000	-1.5527	99.121	-0.13506	-6.5241	88.844E-6
	13.00000	14.00000	99.56000	-2.0098	99.121	-0.32992	-10.941	144.48E-6
	14.00000	14.00000	99.56000	-2.7239	99.121	-2.0316	-24.700	270.13E-6
	15.00000	14.00000	99.56000	-4.4386	99.121	-35.126	-87.618	-257.88E-6
	16.00000	14.00000	99.56000	-5.3580	99.121	-40.563	-112.55	-132.72E-6
	17.00000	14.00000	99.56000	-5.9639	99.121	-41.322	-120.93	-44.078E-6
	18.00000	14.00000	99.56000	-6.4506	99.121	-42.167	-127.42	13.357E-6
	19.00000	14.00000	99.56000	-6.9130	99.121	-44.028	-135.30	46.705E-6
	20.00000	14.00000	99.56000	-7.4756	99.121	-50.215	-146.73	-56.790E-6
	21.00000	14.00000	99.56000	-7.9443	99.121	-52.111	-136.73	-284.68E-6
	22.00000	14.00000	99.56000	-8.3386	99.121	-53.859	-125.94	-517.41E-6
	23.00000	14.00000	99.56000	-8.6801	99.121	-59.707	-135.16	-638.30E-6
	24.00000	14.00000	99.56000	-8.7677	99.121	-61.193	-139.42	-641.20E-6
	25.00000	14.00000	99.56000	-8.6876	99.121	-61.563	-140.13	-646.95E-6
	26.00000	14.00000	99.56000	-8.4356	99.121	-61.190	-137.68	-666.35E-6
	27.00000	14.00000	99.56000	-7.9661	99.121	-59.891	-130.92	-707.87E-6
	28.00000	14.00000	99.56000	-7.1222	99.121	-54.865	-115.50	-712.78E-6
	29.00000	14.00000	99.56000	-5.5728	99.121	-36.616	-83.846	-377.53E-6
	30.00000	14.00000	99.56000	-3.7448	99.121	-12.238	-46.469	141.63E-6
	31.00000	14.00000	99.56000	-2.6224	99.121	-3.3934	-24.885	213.51E-6
	32.00000	14.00000	99.56000	-1.9594	99.121	-1.1614	-14.605	161.47E-6
	33.00000	14.00000	99.56000	-1.5230	99.121	-0.48472	-9.3133	114.11E-6
	34.00000	14.00000	99.56000	-1.2150	99.121	-0.23294	-6.3198	81.614E-6
	35.00000	14.00000	99.56000	-0.98750	99.121	-0.12388	-4.4953	59.874E-6
	36.00000	14.00000	99.56000	-0.81367	99.121	-0.071079	-3.3176	45.073E-6
	37.00000	14.00000	99.56000	-0.67740	99.121	-0.043273	-2.5220	34.733E-6
	38.00000	14.00000	99.56000	-0.56837	99.121	-0.027630	-1.9645	27.319E-6
	39.00000	14.00000	99.56000	-0.47968	99.121	-0.018347	-1.5616	21.875E-6
	40.00000	14.00000	99.56000	-0.40654	99.121	-0.012589	-1.2630	17.790E-6
	41.00000	14.00000	99.56000	-0.34553	99.121	-0.0088827	-1.0367	14.666E-6
	42.00000	14.00000	99.56000	-0.29416	99.121	-0.0064199	-0.86202	12.236E-6
	43.00000	14.00000	99.56000	-0.25055	99.121	-0.0047378	-0.72486	10.318E-6
	44.00000	14.00000	99.56000	-0.21328	99.121	-0.0035611	-0.61562	8.7835E-6
	45.00000	14.00000	99.56000	-0.18125	99.121	-0.0027205	-0.52750	7.5405E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	46.00000	14.00000	99.56000	-0.15358	99.121	-0.0021085	-0.45558	6.5229E-6
	47.00000	14.00000	99.56000	-0.12958	99.121	-0.0016555	-0.39628	5.6817E-6
	48.00000	14.00000	99.56000	-0.10869	99.121	-0.0013151	-0.34693	4.9800E-6
	49.00000	14.00000	99.56000	-0.090463	99.121	-0.0010558	-0.30552	4.3901E-6
	50.00000	14.00000	99.56000	-0.074513	99.121	-855.85E-6	-0.27050	3.8903E-6
	0.00000	15.00000	99.56000	-0.18083	99.121	-0.0014816	-0.41529	5.9653E-6
	1.00000	15.00000	99.56000	-0.21287	99.121	-0.0018930	-0.48017	6.8895E-6
	2.00000	15.00000	99.56000	-0.25016	99.121	-0.0024536	-0.55977	8.0208E-6
	3.00000	15.00000	99.56000	-0.29380	99.121	-0.0032328	-0.65865	9.4225E-6
	4.00000	15.00000	99.56000	-0.34522	99.121	-0.0043397	-0.78324	11.183E-6
	5.00000	15.00000	99.56000	-0.40630	99.121	-0.0059526	-0.94278	13.429E-6
	6.00000	15.00000	99.56000	-0.47953	99.121	-0.0083727	-1.1510	16.347E-6
	7.00000	15.00000	99.56000	-0.56831	99.121	-0.012131	-1.4287	20.216E-6
	8.00000	15.00000	99.56000	-0.67738	99.121	-0.018209	-1.8090	25.473E-6
	9.00000	15.00000	99.56000	-0.81350	99.121	-0.028531	-2.3466	32.828E-6
	10.00000	15.00000	99.56000	-0.98669	99.121	-0.047136	-3.1370	43.494E-6
	11.00000	15.00000	99.56000	-1.2123	99.121	-0.083305	-4.3606	59.685E-6
	12.00000	15.00000	99.56000	-1.5153	99.121	-0.16136	-6.4004	85.902E-6
	13.00000	15.00000	99.56000	-1.9404	99.121	-0.36398	-10.260	133.11E-6
	14.00000	15.00000	99.56000	-2.5796	99.121	-1.3027	-20.037	234.18E-6
	15.00000	15.00000	99.56000	-3.8129	99.121	-16.847	-62.005	166.48E-6
	16.00000	15.00000	99.56000	-5.3172	99.121	-41.559	-112.28	-180.04E-6
	17.00000	15.00000	99.56000	-6.0437	99.121	-43.524	-124.71	-85.184E-6
	18.00000	15.00000	99.56000	-6.6177	99.121	-45.277	-133.36	-35.844E-6
	19.00000	15.00000	99.56000	-7.1399	99.121	-47.980	-142.61	-19.290E-6
	20.00000	15.00000	99.56000	-7.7172	99.121	-54.516	-154.14	-136.66E-6
	21.00000	15.00000	99.56000	-8.1183	99.121	-55.145	-142.16	-337.97E-6
	22.00000	15.00000	99.56000	-8.4105	99.121	-54.960	-128.57	-527.24E-6
	23.00000	15.00000	99.56000	-8.6998	99.121	-60.087	-136.23	-639.29E-6
	24.00000	15.00000	99.56000	-8.7847	99.121	-61.846	-140.25	-657.56E-6
	25.00000	15.00000	99.56000	-8.7057	99.121	-62.381	-140.87	-671.79E-6
	26.00000	15.00000	99.56000	-8.4293	99.121	-61.373	-137.83	-672.11E-6
	27.00000	15.00000	99.56000	-7.9545	99.121	-59.909	-130.86	-709.44E-6
	28.00000	15.00000	99.56000	-7.1128	99.121	-54.863	-115.44	-713.62E-6
	29.00000	15.00000	99.56000	-5.5665	99.121	-36.615	-83.811	-377.99E-6
	30.00000	15.00000	99.56000	-3.7408	99.121	-12.238	-46.455	141.42E-6
	31.00000	15.00000	99.56000	-2.6198	99.121	-3.3941	-24.882	213.43E-6
	32.00000	15.00000	99.56000	-1.9577	99.121	-1.1619	-14.605	161.44E-6
	33.00000	15.00000	99.56000	-1.5218	99.121	-0.48502	-9.3139	114.11E-6
	34.00000	15.00000	99.56000	-1.2141	99.121	-0.23311	-6.3204	81.615E-6
	35.00000	15.00000	99.56000	-0.98677	99.121	-0.12396	-4.4958	59.877E-6
	36.00000	15.00000	99.56000	-0.81309	99.121	-0.071122	-3.3179	45.076E-6
	37.00000	15.00000	99.56000	-0.67694	99.121	-0.043296	-2.5222	34.736E-6
	38.00000	15.00000	99.56000	-0.56801	99.121	-0.027642	-1.9646	27.322E-6
	39.00000	15.00000	99.56000	-0.47938	99.121	-0.018354	-1.5618	21.877E-6
	40.00000	15.00000	99.56000	-0.40630	99.121	-0.012593	-1.2631	17.792E-6
	41.00000	15.00000	99.56000	-0.34533	99.121	-0.0088854	-1.0369	14.668E-6
	42.00000	15.00000	99.56000	-0.29399	99.121	-0.0064216	-0.86212	12.238E-6
	43.00000	15.00000	99.56000	-0.25041	99.121	-0.0047390	-0.72496	10.320E-6
	44.00000	15.00000	99.56000	-0.21316	99.121	-0.0035621	-0.61571	8.7847E-6
	45.00000	15.00000	99.56000	-0.18115	99.121	-0.0027212	-0.52757	7.5416E-6
	46.00000	15.00000	99.56000	-0.15350	99.121	-0.0021091	-0.45564	6.5239E-6
	47.00000	15.00000	99.56000	-0.12951	99.121	-0.0016559	-0.39634	5.6826E-6
	48.00000	15.00000	99.56000	-0.10864	99.121	-0.0013155	-0.34699	4.9808E-6
	49.00000	15.00000	99.56000	-0.090415	99.121	-0.0010561	-0.30557	4.3908E-6
	50.00000	15.00000	99.56000	-0.074471	99.121	-856.09E-6	-0.27055	3.8909E-6
	0.00000	16.00000	99.56000	-0.17906	99.121	-0.0014991	-0.41440	5.9516E-6
	1.00000	16.00000	99.56000	-0.21070	99.121	-0.0019200	-0.47907	6.8723E-6
	2.00000	16.00000	99.56000	-0.24746	99.121	-0.0024962	-0.55840	7.9989E-6
	3.00000	16.00000	99.56000	-0.29042	99.121	-0.0033017	-0.65691	9.3942E-6
	4.00000	16.00000	99.56000	-0.34094	99.121	-0.0044542	-0.78099	11.146E-6
	5.00000	16.00000	99.56000	-0.40080	99.121	-0.0061490	-0.93980	13.378E-6
	6.00000	16.00000	99.56000	-0.47235	99.121	-0.0087223	-1.1469	16.273E-6
	7.00000	16.00000	99.56000	-0.55878	99.121	-0.012781	-1.4230	20.104E-6
	8.00000	16.00000	99.56000	-0.66449	99.121	-0.019479	-1.8006	25.296E-6
	9.00000	16.00000	99.56000	-0.79571	99.121	-0.031166	-2.3337	32.527E-6
	10.00000	16.00000	99.56000	-0.96158	99.121	-0.053015	-3.1159	42.932E-6
	11.00000	16.00000	99.56000	-1.1760	99.121	-0.097602	-4.3221	58.503E-6
	12.00000	16.00000	99.56000	-1.4617	99.121	-0.19966	-6.3119	82.950E-6
	13.00000	16.00000	99.56000	-1.8582	99.121	-0.47328	-9.9415	123.73E-6
	14.00000	16.00000	99.56000	-2.4445	99.121	-1.4356	-17.927	197.75E-6
	15.00000	16.00000	99.56000	-3.5569	99.121	-13.783	-50.074	126.71E-6
	16.00000	16.00000	99.56000	-5.2238	99.121	-43.097	-104.43	-361.02E-6
	17.00000	16.00000	99.56000	-6.1607	99.121	-49.415	-123.18	-363.94E-6
	18.00000	16.00000	99.56000	-6.8978	99.121	-54.438	-135.92	-397.77E-6
	19.00000	16.00000	99.56000	-7.5341	99.121	-59.954	-147.59	-468.65E-6
	20.00000	16.00000	99.56000	-8.1303	99.121	-67.476	-159.08	-629.47E-6
	21.00000	16.00000	99.56000	-8.3304	99.121	-63.506	-145.98	-646.73E-6
	22.00000	16.00000	99.56000	-8.3560	99.121	-57.024	-129.99	-596.55E-6
	23.00000	16.00000	99.56000	-8.5413	99.121	-60.176	-134.93	-662.06E-6
	24.00000	16.00000	99.56000	-8.5984	99.121	-61.623	-138.01	-680.33E-6
	25.00000	16.00000	99.56000	-8.5198	99.121	-62.133	-138.47	-695.89E-6
	26.00000	16.00000	99.56000	-8.2559	99.121	-61.100	-135.55	-693.31E-6
	27.00000	16.00000	99.56000	-7.8036	99.121	-59.679	-128.92	-727.68E-6
	28.00000	16.00000	99.56000	-6.9883	99.121	-54.696	-113.90	-728.66E-6
	29.00000	16.00000	99.56000	-5.4681	99.121	-36.502	-82.665	-389.70E-6
	30.00000	16.00000	99.56000	-3.6660	99.121	-12.167	-45.648	132.79E-6
	31.00000	16.00000	99.56000	-2.5646	99.121	-3.3531	-24.341	207.37E-6
	32.00000	16.00000	99.56000	-1.9177	99.121	-1.1396	-14.255	157.33E-6
	33.00000	16.00000	99.56000	-1.4929	99.121	-0.47317	-9.0900	111.37E-6
	34.00000	16.00000	99.56000	-1.1931	99.121	-0.22682	-6.1767	79.803E-6
	35.00000	16.00000	99.56000	-0.97131	99.121	-0.12058	-4.4023	58.668E-6
	36.00000	16.00000	99.56000	-0.80155	99.121	-0.069251	-3.2560	44.259E-6
	37.00000	16.00000	99.56000	-0.66819	99.121	-0.042230	-2.4804	34.175E-6
	38.00000	16.00000	99.56000	-0.56128	99.121	-0.027017	-1.9357	26.929E-6
	39.00000	16.00000	99.56000	-0.47414	99.121	-0.017975	-1.5414	21.597E-6
	40.00000	16.00000	99.56000	-0.40216	99.121	-0.012358	-1.2485	17.589E-6
	41.00000	16.00000	99.56000	-0.34203	99.121	-0.0087350	-1.0261	14.518E-6
	42.00000	16.00000	99.56000	-0.29133	99.121	-0.0063233	-0.85414	12.126E-6
	43.00000	16.00000	99.56000	-0.24825	99.121	-0.0046733	-0.71893	10.235E-6
	44.00000	16.00000	99.56000	-0.21140	99.121	-0.0035172	-0.61109	8.7196E-6
	45.00000	16.00000	99.56000	-0.17969	99.121	-0.0026900	-0.52399	7.4909E-6
	46.00000	16.00000	99.56000	-0.15229	99.121	-0.0020870	-0.45284	6.4841E-6
	47.00000	16.00000	99.56000	-0.12850	99.121	-0.0016401	-0.39411	5.6509E-6
	48.00000	16.00000	99.56000	-0.10779	99.121	-0.0013039	-0.34520	4.9554E-6
	49.00000	16.00000	99.56000	-0.089705	99.121	-0.0010476	-0.30413	4.3702E-6
	50.00000	16.00000	99.56000	-0.073872	99.121	-849.73E-6	-0.26937	3.8741E-6
	0.00000	17.00000	99.56000	-0.17598	99.121	-0.0015008	-0.41097	5.9017E-6
	1.00000	17.00000	99.56000	-0.20694	99.121	-0.0019247	-0.47476	6.8094E-6
	2.00000	17.00000	99.56000	-0.24285	99.121	-0.0025066	-0.55290	7.9187E-6
	3.00000	17.00000	99.56000	-0.28470	99.121	-0.0033230	-0.64981	9.2902E-6
	4.00000	17.00000	99.56000	-0.33378	99.121	-0.0044968	-0.77168	11.009E-6
	5.00000	17.00000	99.56000	-0.39174	99.121	-0.0062337	-0.92741	13.194E-6
	6.00000	17.00000	99.56000	-0.46074	99.121	-0.0088931	-1.1301	16.022E-6
	7.00000	17.00000	99.56000	-0.54371	99.121	-0.013135	-1.3999	19.753E-6
	8.00000	17.00000	99.56000	-0.64463	99.121	-0.020245	-1.7683	24.793E-6
	9.00000	17.00000	99.56000	-0.76916	99.121	-0.032922	-2.2877	31.783E-6
	10.00000	17.00000	99.56000	-0.92554	99.121	-0.057354	-3.0501	41.788E-6
	11.00000	17.00000	99.56000	-1.1265	99.121	-0.10943	-4.2284	56.627E-6
	12.00000	17.00000	99.56000	-1.3927	99.121	-0.23636	-6.1803	79.440E-6
	13.00000	17.00000	99.56000	-1.7618	99.121	-0.60753	-9.7397	114.95E-6
	14.00000	17.00000	99.56000	-2.3119	99.121	-1.9921	-17.148	162.21E-6
	15.00000	17.00000	99.56000	-3.2258	99.121	-8.2883	-34.456	139.26E-6
	16.00000	17.00000	99.56000	-4.6285	99.121	-25.424	-64.270	-174.27E-6
	17.00000	17.00000	99.56000	-5.8292	99.121	-38.620	-88.211	-401.44E-6
	18.00000	17.00000	99.56000	-6.6291	99.121	-45.162	-102.93	-472.72E-6
	19.00000	17.00000	99.56000	-7.1964	99.121	-49.490	-113.13	-513.15E-6
	20.00000	17.00000	99.56000	-7.6091	99.121	-53.083	-120.83	-557.88E-6
	21.00000	17.00000	99.56000	-7.8662	99.121	-55.601	-124.17	-619.08E-6
	22.00000	17.00000	99.56000	-8.0228	99.121	-57.570	-125.87	-680.15E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	23.00000	17.00000	99.56000	-8.1116	99.121	-58.886	-128.58	-698.04E-6
	24.00000	17.00000	99.56000	-8.1352	99.121	-59.795	-130.54	-709.25E-6
	25.00000	17.00000	99.56000	-8.0711	99.121	-60.328	-131.14	-723.71E-6
	26.00000	17.00000	99.56000	-7.8649	99.121	-59.861	-129.40	-728.68E-6
	27.00000	17.00000	99.56000	-7.4783	99.121	-58.881	-124.10	-762.96E-6
	28.00000	17.00000	99.56000	-6.7256	99.121	-54.170	-110.24	-758.95E-6
	29.00000	17.00000	99.56000	-5.2636	99.121	-36.161	-80.002	-413.55E-6
	30.00000	17.00000	99.56000	-3.5136	99.121	-11.968	-43.835	115.16E-6
	31.00000	17.00000	99.56000	-2.4547	99.121	-3.2478	-23.177	195.04E-6
	32.00000	17.00000	99.56000	-1.8395	99.121	-1.0871	-13.528	149.07E-6
	33.00000	17.00000	99.56000	-1.4371	99.121	-0.44725	-8.6382	105.94E-6
	34.00000	17.00000	99.56000	-1.1529	99.121	-0.21372	-5.8918	76.238E-6
	35.00000	17.00000	99.56000	-0.94183	99.121	-0.11372	-4.2189	56.303E-6
	36.00000	17.00000	99.56000	-0.77959	99.121	-0.065525	-3.1351	42.666E-6
	37.00000	17.00000	99.56000	-0.65156	99.121	-0.040129	-2.3987	33.080E-6
	38.00000	17.00000	99.56000	-0.54849	99.121	-0.025789	-1.8793	26.163E-6
	39.00000	17.00000	99.56000	-0.46417	99.121	-0.017234	-1.5015	21.051E-6
	40.00000	17.00000	99.56000	-0.39429	99.121	-0.011897	-1.2197	17.192E-6
	41.00000	17.00000	99.56000	-0.33575	99.121	-0.0084402	-1.0050	14.225E-6
	42.00000	17.00000	99.56000	-0.28627	99.121	-0.0061301	-0.83841	11.906E-6
	43.00000	17.00000	99.56000	-0.24414	99.121	-0.0045438	-0.70702	10.068E-6
	44.00000	17.00000	99.56000	-0.20802	99.121	-0.0034286	-0.60194	8.5906E-6
	45.00000	17.00000	99.56000	-0.17691	99.121	-0.0026283	-0.51687	7.3903E-6
	46.00000	17.00000	99.56000	-0.14998	99.121	-0.0020433	-0.44723	6.4046E-6
	47.00000	17.00000	99.56000	-0.12658	99.121	-0.0016086	-0.38966	5.5876E-6
	48.00000	17.00000	99.56000	-0.10618	99.121	-0.0012809	-0.34163	4.9045E-6
	49.00000	17.00000	99.56000	-0.088347	99.121	-0.0010306	-0.30123	4.3288E-6
	50.00000	17.00000	99.56000	-0.072726	99.121	-836.98E-6	-0.26700	3.8403E-6
	0.00000	18.00000	99.56000	-0.17168	99.121	-0.0014862	-0.40510	5.8171E-6
	1.00000	18.00000	99.56000	-0.20172	99.121	-0.0019060	-0.46735	6.7026E-6
	2.00000	18.00000	99.56000	-0.23646	99.121	-0.0024828	-0.54343	7.7823E-6
	3.00000	18.00000	99.56000	-0.27683	99.121	-0.0032929	-0.63756	9.1136E-6
	4.00000	18.00000	99.56000	-0.32400	99.121	-0.0044596	-0.75560	10.777E-6
	5.00000	18.00000	99.56000	-0.37946	99.121	-0.0061903	-0.90596	12.884E-6
	6.00000	18.00000	99.56000	-0.44518	99.121	-0.0088498	-1.1010	15.601E-6
	7.00000	18.00000	99.56000	-0.52374	99.121	-0.013113	-1.3596	19.170E-6
	8.00000	18.00000	99.56000	-0.61869	99.121	-0.020311	-1.7115	23.966E-6
	9.00000	18.00000	99.56000	-0.73500	99.121	-0.033276	-2.2061	30.582E-6
	10.00000	18.00000	99.56000	-0.87993	99.121	-0.058623	-2.9302	39.991E-6
	11.00000	18.00000	99.56000	-1.0647	99.121	-0.11374	-4.0488	53.832E-6
	12.00000	18.00000	99.56000	-1.3080	99.121	-0.25171	-5.9065	74.796E-6
	13.00000	18.00000	99.56000	-1.6448	99.121	-0.66869	-9.3128	106.09E-6
	14.00000	18.00000	99.56000	-2.1524	99.121	-2.2691	-16.414	139.49E-6
	15.00000	18.00000	99.56000	-3.0388	99.121	-9.6317	-32.848	57.401E-6
	16.00000	18.00000	99.56000	-4.5609	99.121	-31.495	-63.486	-450.11E-6
	17.00000	18.00000	99.56000	-5.8597	99.121	-48.315	-89.967	-798.25E-6
	18.00000	18.00000	99.56000	-6.5531	99.121	-53.125	-102.92	-819.77E-6
	19.00000	18.00000	99.56000	-6.9384	99.121	-54.381	-108.91	-787.40E-6
	20.00000	18.00000	99.56000	-7.1467	99.121	-54.511	-111.58	-754.28E-6
	21.00000	18.00000	99.56000	-7.2216	99.121	-53.776	-111.94	-717.09E-6
	22.00000	18.00000	99.56000	-7.2055	99.121	-52.283	-111.09	-664.42E-6
	23.00000	18.00000	99.56000	-7.1951	99.121	-51.820	-111.14	-643.45E-6
	24.00000	18.00000	99.56000	-7.1880	99.121	-52.105	-112.09	-642.08E-6
	25.00000	18.00000	99.56000	-7.1732	99.121	-53.176	-113.76	-664.51E-6
	26.00000	18.00000	99.56000	-7.1233	99.121	-55.245	-115.56	-728.51E-6
	27.00000	18.00000	99.56000	-6.8929	99.121	-56.238	-113.84	-796.80E-6
	28.00000	18.00000	99.56000	-6.2647	99.121	-52.492	-102.64	-796.16E-6
	29.00000	18.00000	99.56000	-4.9150	99.121	-35.112	-74.660	-445.39E-6
	30.00000	18.00000	99.56000	-3.2665	99.121	-11.429	-40.459	89.604E-6
	31.00000	18.00000	99.56000	-2.2859	99.121	-3.0144	-21.200	176.51E-6
	32.00000	18.00000	99.56000	-1.7239	99.121	-0.98901	-12.384	136.72E-6
	33.00000	18.00000	99.56000	-1.3564	99.121	-0.40404	-7.9594	97.968E-6
	34.00000	18.00000	99.56000	-1.0952	99.121	-0.19339	-5.4754	71.076E-6
	35.00000	18.00000	99.56000	-0.89977	99.121	-0.10352	-3.9544	52.907E-6
	36.00000	18.00000	99.56000	-0.74826	99.121	-0.060107	-2.9616	40.383E-6
	37.00000	18.00000	99.56000	-0.62781	99.121	-0.037108	-2.2817	31.513E-6
	38.00000	18.00000	99.56000	-0.53019	99.121	-0.024032	-1.7983	25.064E-6
	39.00000	18.00000	99.56000	-0.44987	99.121	-0.016175	-1.4442	20.264E-6
	40.00000	18.00000	99.56000	-0.38297	99.121	-0.011237	-1.1783	16.619E-6
	41.00000	18.00000	99.56000	-0.32670	99.121	-0.0080176	-0.97454	13.801E-6
	42.00000	18.00000	99.56000	-0.27896	99.121	-0.0058524	-0.81558	11.587E-6
	43.00000	18.00000	99.56000	-0.23818	99.121	-0.0043572	-0.68966	9.8238E-6
	44.00000	18.00000	99.56000	-0.20314	99.121	-0.0033005	-0.58857	8.4021E-6
	45.00000	18.00000	99.56000	-0.17287	99.121	-0.0025387	-0.50644	7.2428E-6
	46.00000	18.00000	99.56000	-0.14662	99.121	-0.0019796	-0.43901	6.2879E-6
	47.00000	18.00000	99.56000	-0.12378	99.121	-0.0015627	-0.38310	5.4943E-6
	48.00000	18.00000	99.56000	-0.10383	99.121	-0.0012473	-0.33634	4.8292E-6
	49.00000	18.00000	99.56000	-0.086369	99.121	-0.0010056	-0.29694	4.2676E-6
	50.00000	18.00000	99.56000	-0.071055	99.121	-818.23E-6	-0.26349	3.7901E-6
	0.00000	19.00000	99.56000	-0.16626	99.121	-0.0014555	-0.39694	5.7000E-6
	1.00000	19.00000	99.56000	-0.19517	99.121	-0.0018642	-0.45705	6.5550E-6
	2.00000	19.00000	99.56000	-0.22849	99.121	-0.0024249	-0.53029	7.5939E-6
	3.00000	19.00000	99.56000	-0.26706	99.121	-0.0032111	-0.62055	8.8703E-6
	4.00000	19.00000	99.56000	-0.31192	99.121	-0.0043413	-0.73327	10.458E-6
	5.00000	19.00000	99.56000	-0.36442	99.121	-0.0060149	-0.87617	12.460E-6
	6.00000	19.00000	99.56000	-0.42625	99.121	-0.0085810	-1.0605	15.025E-6
	7.00000	19.00000	99.56000	-0.49966	99.121	-0.012685	-1.3035	18.373E-6
	8.00000	19.00000	99.56000	-0.58770	99.121	-0.019592	-1.6317	22.838E-6
	9.00000	19.00000	99.56000	-0.69458	99.121	-0.031982	-2.0894	28.944E-6
	10.00000	19.00000	99.56000	-0.82640	99.121	-0.056058	-2.7535	37.538E-6
	11.00000	19.00000	99.56000	-0.99251	99.121	-0.10789	-3.7688	50.022E-6
	12.00000	19.00000	99.56000	-1.2084	99.121	-0.23532	-5.4332	68.638E-6
	13.00000	19.00000	99.56000	-1.5030	99.121	-0.60777	-8.4317	95.951E-6
	14.00000	19.00000	99.56000	-1.9395	99.121	-1.9558	-14.529	125.77E-6
	15.00000	19.00000	99.56000	-2.6842	99.121	-7.8156	-28.347	71.144E-6
	16.00000	19.00000	99.56000	-4.0146	99.121	-27.086	-55.389	-375.61E-6
	17.00000	19.00000	99.56000	-5.2393	99.121	-44.582	-80.221	-777.15E-6
	18.00000	19.00000	99.56000	-5.7810	99.121	-47.753	-89.906	-774.65E-6
	19.00000	19.00000	99.56000	-5.9704	99.121	-46.116	-91.400	-681.68E-6
	20.00000	19.00000	99.56000	-5.9702	99.121	-42.774	-89.133	-569.02E-6
	21.00000	19.00000	99.56000	-5.8184	99.121	-37.578	-84.259	-413.46E-6
	22.00000	19.00000	99.56000	-5.5835	99.121	-31.276	-78.571	-221.54E-6
	23.00000	19.00000	99.56000	-5.4861	99.121	-29.181	-76.341	-162.66E-6
	24.00000	19.00000	99.56000	-5.4679	99.121	-29.217	-76.802	-157.52E-6
	25.00000	19.00000	99.56000	-5.5375	99.121	-31.756	-80.253	-218.01E-6
	26.00000	19.00000	99.56000	-5.7766	99.121	-40.072	-87.970	-468.20E-6
	27.00000	19.00000	99.56000	-5.8525	99.121	-46.945	-92.801	-697.43E-6
	28.00000	19.00000	99.56000	-5.4487	99.121	-46.136	-86.624	-751.86E-6
	29.00000	19.00000	99.56000	-4.3206	99.121	-31.129	-63.678	-431.36E-6
	30.00000	19.00000	99.56000	-2.8924	99.121	-9.8507	-34.428	70.787E-6
	31.00000	19.00000	99.56000	-2.0555	99.121	-2.5266	-18.186	154.00E-6
	32.00000	19.00000	99.56000	-1.5745	99.121	-0.82730	-10.812	120.95E-6
	33.00000	19.00000	99.56000	-1.2546	99.121	-0.34203	-7.0785	87.878E-6
	34.00000	19.00000	99.56000	-1.0232	99.121	-0.16634	-4.9495	64.619E-6
	35.00000	19.00000	99.56000	-0.84730	99.121	-0.090486	-3.6243	48.682E-6
	36.00000	19.00000	99.56000	-0.70910	99.121	-0.053327	-2.7459	37.547E-6
	37.00000	19.00000	99.56000	-0.59801	99.121	-0.033362	-2.1360	29.561E-6
	38.00000	19.00000	99.56000	-0.50714	99.121	-0.021860	-1.6971	23.689E-6
	39.00000	19.00000	99.56000	-0.43179	99.121	-0.014864	-1.3722	19.277E-6
	40.00000	19.00000	99.56000	-0.36862	99.121	-0.010418	-1.1261	15.896E-6
	41.00000	19.00000	99.56000	-0.31518	99.121	-0.0074908	-0.93591	13.263E-6
	42.00000	19.00000	99.56000	-0.26963	99.121	-0.0055047	-0.78654	11.180E-6
	43.00000	19.00000	99.56000	-0.23056	99.121	-0.0041224	-0.66750	9.5123E-6
	44.00000	19.00000	99.56000	-0.19686	99.121	-0.0031387	-0.57144	8.1603E-6
	45.00000	19.00000	99.56000	-0.16768	99.121	-0.0024251	-0.49303	7.0529E-6
	46.00000	19.00000	99.56000	-0.14230	99.121	-0.0018985	-0.42839	6.1373E-6
	47.00000	19.00000	99.56000	-0.12016	99.121	-0.0015039	-0.37461	5.3736E-6
	48.00000	19.00000	99.56000	-0.10079	99.121	-0.0012041	-0.32949	4.7316E-6
	49.00000	19.00000	99.56000	-0.083897	99.121	-973.46E-6	-0.29136	4.1880E-6
	50.00000	19.00000	99.56000	-0.068888	99.121	-794.03E-6	-0.25891	3.7246E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	0.00000	20.00000	99.56000	-0.15986	99.121	-0.0014098	-0.38671	5.5534E-6
	1.00000	20.00000	99.56000	-0.18745	99.121	-0.0018008	-0.44417	6.3706E-6
	2.00000	20.00000	99.56000	-0.21913	99.121	-0.0023352	-0.51387	7.3594E-6
	3.00000	20.00000	99.56000	-0.25565	99.121	-0.0030812	-0.59936	8.5682E-6
	4.00000	20.00000	99.56000	-0.29792	99.121	-0.0041480	-0.70550	10.063E-6
	5.00000	20.00000	99.56000	-0.34708	99.121	-0.0057174	-0.83918	11.935E-6
	6.00000	20.00000	99.56000	-0.40460	99.121	-0.0081046	-1.0103	14.317E-6
	7.00000	20.00000	99.56000	-0.47235	99.121	-0.011883	-1.2338	17.396E-6
	8.00000	20.00000	99.56000	-0.55284	99.121	-0.018158	-1.5324	21.459E-6
	9.00000	20.00000	99.56000	-0.64948	99.121	-0.029207	-1.9432	26.942E-6
	10.00000	20.00000	99.56000	-0.76708	99.121	-0.050125	-2.5289	34.535E-6
	11.00000	20.00000	99.56000	-0.91280	99.121	-0.093469	-3.4034	45.345E-6
	12.00000	20.00000	99.56000	-1.0981	99.121	-0.19415	-4.7899	61.091E-6
	13.00000	20.00000	99.56000	-1.3429	99.121	-0.46443	-7.1656	83.812E-6
	14.00000	20.00000	99.56000	-1.6867	99.121	-1.3336	-11.648	111.03E-6
	15.00000	20.00000	99.56000	-2.2212	99.121	-4.6805	-20.889	99.422E-6
	16.00000	20.00000	99.56000	-3.1019	99.121	-15.682	-38.141	-129.31E-6
	17.00000	20.00000	99.56000	-3.9210	99.121	-26.017	-54.002	-349.16E-6
	18.00000	20.00000	99.56000	-4.2184	99.121	-25.501	-58.506	-261.32E-6
	19.00000	20.00000	99.56000	-4.2545	99.121	-21.705	-56.943	-118.68E-6
	20.00000	20.00000	99.56000	-4.1775	99.121	-17.589	-53.174	5.9126E-6
	21.00000	20.00000	99.56000	-4.0400	99.121	-13.583	-48.568	113.51E-6
	22.00000	20.00000	99.56000	-3.8952	99.121	-10.222	-44.452	200.15E-6
	23.00000	20.00000	99.56000	-3.8222	99.121	-8.9501	-42.665	229.62E-6
	24.00000	20.00000	99.56000	-3.8069	99.121	-9.0362	-43.006	230.82E-6
	25.00000	20.00000	99.56000	-3.8623	99.121	-10.877	-45.888	192.50E-6
	26.00000	20.00000	99.56000	-4.0487	99.121	-16.848	-52.446	27.602E-6
	27.00000	20.00000	99.56000	-4.1961	99.121	-23.979	-58.491	-195.22E-6
	28.00000	20.00000	99.56000	-4.0107	99.121	-26.143	-56.893	-312.68E-6
	29.00000	20.00000	99.56000	-3.2951	99.121	-18.095	-43.219	-160.69E-6
	30.00000	20.00000	99.56000	-2.3720	99.121	-6.1067	-25.059	97.850E-6
	31.00000	20.00000	99.56000	-1.7766	99.121	-1.7228	-14.259	132.00E-6
	32.00000	20.00000	99.56000	-1.4019	99.121	-0.60976	-8.9367	103.20E-6
	33.00000	20.00000	99.56000	-1.1386	99.121	-0.26655	-6.0665	76.472E-6
	34.00000	20.00000	99.56000	-0.94117	99.121	-0.13500	-4.3538	57.334E-6
	35.00000	20.00000	99.56000	-0.78726	99.121	-0.075726	-3.2514	43.910E-6
	36.00000	20.00000	99.56000	-0.66405	99.121	-0.045717	-2.5015	34.330E-6
	37.00000	20.00000	99.56000	-0.56352	99.121	-0.029163	-1.9701	27.334E-6
	38.00000	20.00000	99.56000	-0.48030	99.121	-0.019418	-1.5812	22.112E-6
	39.00000	20.00000	99.56000	-0.41061	99.121	-0.013382	-1.2892	18.136E-6
	40.00000	20.00000	99.56000	-0.35171	99.121	-0.0094869	-1.0654	15.056E-6
	41.00000	20.00000	99.56000	-0.30154	99.121	-0.0068880	-0.89075	12.633E-6
	42.00000	20.00000	99.56000	-0.25854	99.121	-0.0051043	-0.75239	10.702E-6
	43.00000	20.00000	99.56000	-0.22147	99.121	-0.0038503	-0.64131	9.1438E-6
	44.00000	20.00000	99.56000	-0.18936	99.121	-0.0029502	-0.55108	7.8729E-6
	45.00000	20.00000	99.56000	-0.16145	99.121	-0.0022921	-0.47703	6.8264E-6
	46.00000	20.00000	99.56000	-0.13710	99.121	-0.0018031	-0.41567	5.9568E-6
	47.00000	20.00000	99.56000	-0.11580	99.121	-0.0014344	-0.36440	5.2284E-6
	48.00000	20.00000	99.56000	-0.097124	99.121	-0.0011528	-0.32123	4.6138E-6
	49.00000	20.00000	99.56000	-0.080710	99.121	-935.13E-6	-0.28461	4.0917E-6
	50.00000	20.00000	99.56000	-0.066264	99.121	-765.06E-6	-0.25336	3.6453E-6
	0.00000	21.00000	99.56000	-0.15261	99.121	-0.0013508	-0.37467	5.3812E-6
	1.00000	21.00000	99.56000	-0.17875	99.121	-0.0017186	-0.42905	6.1548E-6
	2.00000	21.00000	99.56000	-0.20864	99.121	-0.0022182	-0.49468	7.0859E-6
	3.00000	21.00000	99.56000	-0.24293	99.121	-0.0029106	-0.57467	8.2171E-6
	4.00000	21.00000	99.56000	-0.28238	99.121	-0.0038921	-0.67329	9.6063E-6
	5.00000	21.00000	99.56000	-0.32798	99.121	-0.0053206	-0.79645	11.332E-6
	6.00000	21.00000	99.56000	-0.38091	99.121	-0.0074642	-0.95259	13.506E-6
	7.00000	21.00000	99.56000	-0.44271	99.121	-0.010799	-1.1540	16.285E-6
	8.00000	21.00000	99.56000	-0.51535	99.121	-0.016211	-1.4191	19.899E-6
	9.00000	21.00000	99.56000	-0.60142	99.121	-0.025452	-1.7769	24.691E-6
	10.00000	21.00000	99.56000	-0.70447	99.121	-0.042216	-2.2743	31.183E-6
	11.00000	21.00000	99.56000	-0.82946	99.121	-0.074919	-2.9914	40.170E-6
	12.00000	21.00000	99.56000	-0.98371	99.121	-0.14452	-4.0719	52.827E-6
	13.00000	21.00000	99.56000	-1.1784	99.121	-0.30873	-5.7863	70.566E-6
	14.00000	21.00000	99.56000	-1.4314	99.121	-0.74287	-8.6548	93.305E-6
	15.00000	21.00000	99.56000	-1.7693	99.121	-1.9809	-13.566	110.68E-6
	16.00000	21.00000	99.56000	-2.2003	99.121	-4.8205	-20.899	93.465E-6
	17.00000	21.00000	99.56000	-2.5864	99.121	-7.1851	-27.334	83.909E-6
	18.00000	21.00000	99.56000	-2.7964	99.121	-7.0096	-29.725	126.27E-6
	19.00000	21.00000	99.56000	-2.8830	99.121	-5.9204	-29.473	170.05E-6
	20.00000	21.00000	99.56000	-2.9012	99.121	-4.8015	-28.147	199.53E-6
	21.00000	21.00000	99.56000	-2.8808	99.121	-3.8289	-26.512	218.16E-6
	22.00000	21.00000	99.56000	-2.8461	99.121	-3.1102	-25.126	229.34E-6
	23.00000	21.00000	99.56000	-2.8181	99.121	-2.7921	-24.468	233.65E-6
	24.00000	21.00000	99.56000	-2.8028	99.121	-2.8546	-24.671	233.87E-6
	25.00000	21.00000	99.56000	-2.8041	99.121	-3.4280	-25.877	226.40E-6
	26.00000	21.00000	99.56000	-2.8179	99.121	-4.8010	-28.071	198.45E-6
	27.00000	21.00000	99.56000	-2.7926	99.121	-6.5457	-29.892	148.90E-6
	28.00000	21.00000	99.56000	-2.6296	99.121	-7.0853	-28.708	108.20E-6
	29.00000	21.00000	99.56000	-2.2789	99.121	-5.1840	-23.118	109.85E-6
	30.00000	21.00000	99.56000	-1.8498	99.121	-2.3840	-15.774	125.19E-6
	31.00000	21.00000	99.56000	-1.4929	99.121	-0.92380	-10.342	109.92E-6
	32.00000	21.00000	99.56000	-1.2237	99.121	-0.39327	-7.0492	85.220E-6
	33.00000	21.00000	99.56000	-1.0171	99.121	-0.19117	-5.0367	64.803E-6
	34.00000	21.00000	99.56000	-0.85418	99.121	-0.10351	-3.7404	49.801E-6
	35.00000	21.00000	99.56000	-0.72286	99.121	-0.060772	-2.8627	38.918E-6
	36.00000	21.00000	99.56000	-0.61520	99.121	-0.037932	-2.2438	30.927E-6
	37.00000	21.00000	99.56000	-0.52577	99.121	-0.024824	-1.7931	24.954E-6
	38.00000	21.00000	99.56000	-0.45068	99.121	-0.016868	-1.4562	20.408E-6
	39.00000	21.00000	99.56000	-0.38707	99.121	-0.011819	-1.1989	16.892E-6
	40.00000	21.00000	99.56000	-0.33280	99.121	-0.0084949	-0.99878	14.132E-6
	41.00000	21.00000	99.56000	-0.28621	99.121	-0.0062399	-0.84078	11.936E-6
	42.00000	21.00000	99.56000	-0.24600	99.121	-0.0046701	-0.71433	10.168E-6
	43.00000	21.00000	99.56000	-0.21115	99.121	-0.0035529	-0.61193	8.7302E-6
	44.00000	21.00000	99.56000	-0.18082	99.121	-0.0027425	-0.52812	7.5486E-6
	45.00000	21.00000	99.56000	-0.15433	99.121	-0.0021445	-0.45888	6.5693E-6
	46.00000	21.00000	99.56000	-0.13114	99.121	-0.0016966	-0.40118	5.7511E-6
	47.00000	21.00000	99.56000	-0.11079	99.121	-0.0013564	-0.35273	5.0624E-6
	48.00000	21.00000	99.56000	-0.092897	99.121	-0.0010950	-0.31174	4.4786E-6
	49.00000	21.00000	99.56000	-0.077133	99.121	-891.74E-6	-0.27684	3.9807E-6
	50.00000	21.00000	99.56000	-0.063228	99.121	-732.13E-6	-0.24694	3.5536E-6
	0.00000	22.00000	99.56000	-0.14466	99.121	-0.0012809	-0.36113	5.1876E-6
	1.00000	22.00000	99.56000	-0.16925	99.121	-0.0016212	-0.41212	5.9132E-6
	2.00000	22.00000	99.56000	-0.19725	99.121	-0.0020798	-0.47327	6.7811E-6
	3.00000	22.00000	99.56000	-0.22918	99.121	-0.0027090	-0.54728	7.8283E-6
	4.00000	22.00000	99.56000	-0.26571	99.121	-0.0035906	-0.63776	9.1036E-6
	5.00000	22.00000	99.56000	-0.30762	99.121	-0.0048552	-0.74964	10.673E-6
	6.00000	22.00000	99.56000	-0.35587	99.121	-0.0067187	-0.88979	12.627E-6
	7.00000	22.00000	99.56000	-0.41166	99.121	-0.0095509	-1.0679	15.090E-6
	8.00000	22.00000	99.56000	-0.47645	99.121	-0.014012	-1.2983	18.240E-6
	9.00000	22.00000	99.56000	-0.55213	99.121	-0.021330	-1.6019	22.330E-6
	10.00000	22.00000	99.56000	-0.64109	99.121	-0.033908	-2.0112	27.724E-6
	11.00000	22.00000	99.56000	-0.74644	99.121	-0.056686	-2.5768	34.944E-6
	12.00000	22.00000	99.56000	-0.87220	99.121	-0.10032	-3.3795	44.700E-6
	13.00000	22.00000	99.56000	-1.0234	99.121	-0.18863	-4.5467	57.800E-6
	14.00000	22.00000	99.56000	-1.2054	99.121	-0.37382	-6.2609	74.622E-6
	15.00000	22.00000	99.56000	-1.4202	99.121	-0.74656	-8.6911	93.671E-6
	16.00000	22.00000	99.56000	-1.6539	99.121	-1.3250	-11.659	111.57E-6
	17.00000	22.00000	99.56000	-1.8657	99.121	-1.7946	-14.275	129.09E-6
	18.00000	22.00000	99.56000	-2.0195	99.121	-1.8840	-15.760	146.77E-6
	19.00000	22.00000	99.56000	-2.1143	99.121	-1.7342	-16.232	160.14E-6
	20.00000	22.00000	99.56000	-2.1643	99.121	-1.5166	-16.118	167.97E-6
	21.00000	22.00000	99.56000	-2.1835	99.121	-1.3082	-15.755	171.77E-6
	22.00000	22.00000	99.56000	-2.1837	99.121	-1.1519	-15.392	173.32E-6
	23.00000	22.00000	99.56000	-2.1739	99.121	-1.0793	-15.209	173.81E-6
	24.00000	22.00000	99.56000	-2.1583	99.121	-1.1053	-15.286	173.80E-6
	25.00000	22.00000	99.56000	-2.1360	99.121	-1.2501	-15.627	172.44E-6
	26.00000	22.00000	99.56000	-2.0990	99.121	-1.5156	-16.076	167.40E-6
	27.00000	22.00000	99.56000	-2.0268	99.121	-1.7827	-16.142	156.73E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	28.00000	22.00000	99.56000	-1.8942	99.121	-1.7938	-15.137	141.64E-6
	29.00000	22.00000	99.56000	-1.6965	99.121	-1.4054	-12.825	125.00E-6
	30.00000	22.00000	99.56000	-1.4661	99.121	-0.84945	-9.9062	106.83E-6
	31.00000	22.00000	99.56000	-1.2463	99.121	-0.44652	-7.3309	86.992E-6
	32.00000	22.00000	99.56000	-1.0569	99.121	-0.23377	-5.4306	68.667E-6
	33.00000	22.00000	99.56000	-0.89873	99.121	-0.12912	-4.0979	53.875E-6
	34.00000	22.00000	99.56000	-0.76717	99.121	-0.075869	-3.1592	42.565E-6
	35.00000	22.00000	99.56000	-0.65721	99.121	-0.047097	-2.4842	34.018E-6
	36.00000	22.00000	99.56000	-0.56466	99.121	-0.030602	-1.9875	27.524E-6
	37.00000	22.00000	99.56000	-0.48622	99.121	-0.020644	-1.6140	22.535E-6
	38.00000	22.00000	99.56000	-0.41932	99.121	-0.014365	-1.3278	18.654E-6
	39.00000	22.00000	99.56000	-0.36193	99.121	-0.010259	-1.1049	15.596E-6
	40.00000	22.00000	99.56000	-0.31245	99.121	-0.0074915	-0.92877	13.159E-6
	41.00000	22.00000	99.56000	-0.26960	99.121	-0.0055761	-0.78776	11.195E-6
	42.00000	22.00000	99.56000	-0.23235	99.121	-0.0042204	-0.67361	9.5967E-6
	43.00000	22.00000	99.56000	-0.19985	99.121	-0.0032420	-0.58026	8.2838E-6
	44.00000	22.00000	99.56000	-0.17141	99.121	-0.0025235	-0.50320	7.1964E-6
	45.00000	22.00000	99.56000	-0.14647	99.121	-0.0019876	-0.43907	6.2886E-6
	46.00000	22.00000	99.56000	-0.12454	99.121	-0.0015825	-0.38529	5.5252E-6
	47.00000	22.00000	99.56000	-0.10523	99.121	-0.0012724	-0.33985	4.8791E-6
	48.00000	22.00000	99.56000	-0.088188	99.121	-0.0010323	-0.30123	4.3288E-6
	49.00000	22.00000	99.56000	-0.073137	99.121	-844.44E-6	-0.26820	3.8573E-6
	50.00000	22.00000	99.56000	-0.059830	99.121	-696.06E-6	-0.23978	3.4512E-6
	0.00000	23.00000	99.56000	-0.13617	99.121	-0.0012029	-0.34640	4.9772E-6
	1.00000	23.00000	99.56000	-0.15916	99.121	-0.0015129	-0.39380	5.6519E-6
	2.00000	23.00000	99.56000	-0.18519	99.121	-0.0019266	-0.45025	6.4535E-6
	3.00000	23.00000	99.56000	-0.21472	99.121	-0.0024876	-0.51801	7.4130E-6
	4.00000	23.00000	99.56000	-0.24829	99.121	-0.0032624	-0.60008	8.5707E-6
	5.00000	23.00000	99.56000	-0.28650	99.121	-0.0043544	-0.70043	9.9802E-6
	6.00000	23.00000	99.56000	-0.33012	99.121	-0.0059292	-0.82445	11.712E-6
	7.00000	23.00000	99.56000	-0.38002	99.121	-0.0082582	-0.97955	13.863E-6
	8.00000	23.00000	99.56000	-0.43727	99.121	-0.011801	-1.1760	16.562E-6
	9.00000	23.00000	99.56000	-0.50313	99.121	-0.017356	-1.4285	19.985E-6
	10.00000	23.00000	99.56000	-0.57910	99.121	-0.026353	-1.7576	24.372E-6
	11.00000	23.00000	99.56000	-0.66691	99.121	-0.041402	-2.1928	30.034E-6
	12.00000	23.00000	99.56000	-0.76843	99.121	-0.067289	-2.7746	37.355E-6
	13.00000	23.00000	99.56000	-0.88528	99.121	-0.11248	-3.5547	46.713E-6
	14.00000	23.00000	99.56000	-1.0179	99.121	-0.18991	-4.5830	58.270E-6
	15.00000	23.00000	99.56000	-1.1633	99.121	-0.31093	-5.8633	71.589E-6
	16.00000	23.00000	99.56000	-1.3119	99.121	-0.46185	-7.2715	85.462E-6
	17.00000	23.00000	99.56000	-1.4482	99.121	-0.58739	-8.5395	98.404E-6
	18.00000	23.00000	99.56000	-1.5582	99.121	-0.64164	-9.4368	109.07E-6
	19.00000	23.00000	99.56000	-1.6374	99.121	-0.63317	-9.9321	116.63E-6
	20.00000	23.00000	99.56000	-1.6884	99.121	-0.59312	-10.128	121.22E-6
	21.00000	23.00000	99.56000	-1.7164	99.121	-0.54606	-10.150	123.59E-6
	22.00000	23.00000	99.56000	-1.7268	99.121	-0.50835	-10.108	124.62E-6
	23.00000	23.00000	99.56000	-1.7237	99.121	-0.49084	-10.075	124.91E-6
	24.00000	23.00000	99.56000	-1.7090	99.121	-0.49935	-10.086	124.70E-6
	25.00000	23.00000	99.56000	-1.6817	99.121	-0.53498	-10.121	123.65E-6
	26.00000	23.00000	99.56000	-1.6373	99.121	-0.58739	-10.090	120.91E-6
	27.00000	23.00000	99.56000	-1.5682	99.121	-0.62368	-9.8180	115.39E-6
	28.00000	23.00000	99.56000	-1.4682	99.121	-0.59767	-9.1260	106.47E-6
	29.00000	23.00000	99.56000	-1.3389	99.121	-0.49229	-7.9895	94.560E-6
	30.00000	23.00000	99.56000	-1.1927	99.121	-0.34801	-6.6154	80.893E-6
	31.00000	23.00000	99.56000	-1.0459	99.121	-0.22212	-5.2896	67.127E-6
	32.00000	23.00000	99.56000	-0.90994	99.121	-0.13676	-4.1783	54.710E-6
	33.00000	23.00000	99.56000	-0.78915	99.121	-0.084885	-3.3083	44.338E-6
	34.00000	23.00000	99.56000	-0.68391	99.121	-0.054127	-2.6430	36.018E-6
	35.00000	23.00000	99.56000	-0.59287	99.121	-0.035621	-2.1351	29.449E-6
	36.00000	23.00000	99.56000	-0.51421	99.121	-0.024165	-1.7443	24.273E-6
	37.00000	23.00000	99.56000	-0.44617	99.121	-0.016848	-1.4403	20.179E-6
	38.00000	23.00000	99.56000	-0.38718	99.121	-0.012032	-1.2011	16.916E-6
	39.00000	23.00000	99.56000	-0.33590	99.121	-0.0087752	-1.0108	14.294E-6
	40.00000	23.00000	99.56000	-0.29120	99.121	-0.0065193	-0.85769	12.169E-6
	41.00000	23.00000	99.56000	-0.25212	99.121	-0.0049232	-0.73333	10.433E-6
	42.00000	23.00000	99.56000	-0.21788	99.121	-0.0037723	-0.63140	9.0034E-6
	43.00000	23.00000	99.56000	-0.18782	99.121	-0.0029284	-0.54715	7.8168E-6
	44.00000	23.00000	99.56000	-0.16135	99.121	-0.0023003	-0.47696	6.8251E-6
	45.00000	23.00000	99.56000	-0.13802	99.121	-0.0018264	-0.41807	5.9906E-6
	46.00000	23.00000	99.56000	-0.11742	99.121	-0.0014644	-0.36833	5.2842E-6
	47.00000	23.00000	99.56000	-0.099202	99.121	-0.0011847	-0.32605	4.6825E-6
	48.00000	23.00000	99.56000	-0.083076	99.121	-966.42E-6	-0.28991	4.1673E-6
	49.00000	23.00000	99.56000	-0.068789	99.121	-794.43E-6	-0.25884	3.7237E-6
	50.00000	23.00000	99.56000	-0.056123	99.121	-657.72E-6	-0.23201	3.3400E-6
	0.00000	24.00000	99.56000	-0.12728	99.121	-0.0011194	-0.33082	4.7546E-6
	1.00000	24.00000	99.56000	-0.14864	99.121	-0.0013979	-0.37453	5.3771E-6
	2.00000	24.00000	99.56000	-0.17270	99.121	-0.0017654	-0.42619	6.1112E-6
	3.00000	24.00000	99.56000	-0.19984	99.121	-0.0022570	-0.48766	6.9823E-6
	4.00000	24.00000	99.56000	-0.23047	99.121	-0.0029250	-0.56135	8.0231E-6
	5.00000	24.00000	99.56000	-0.26507	99.121	-0.0038484	-0.65037	9.2755E-6
	6.00000	24.00000	99.56000	-0.30422	99.121	-0.0051484	-0.75883	10.794E-6
	7.00000	24.00000	99.56000	-0.34853	99.121	-0.0070148	-0.89214	12.648E-6
	8.00000	24.00000	99.56000	-0.39873	99.121	-0.0097505	-1.0575	14.929E-6
	9.00000	24.00000	99.56000	-0.45563	99.121	-0.013844	-1.2644	17.755E-6
	10.00000	24.00000	99.56000	-0.52006	99.121	-0.020091	-1.5253	21.272E-6
	11.00000	24.00000	99.56000	-0.59286	99.121	-0.029771	-1.8562	25.654E-6
	12.00000	24.00000	99.56000	-0.67467	99.121	-0.044866	-2.2756	31.086E-6
	13.00000	24.00000	99.56000	-0.76560	99.121	-0.068138	-2.8017	37.711E-6
	14.00000	24.00000	99.56000	-0.86461	99.121	-0.10245	-3.4428	45.525E-6
	15.00000	24.00000	99.56000	-0.96863	99.121	-0.14827	-4.1804	54.239E-6
	16.00000	24.00000	99.56000	-1.0720	99.121	-0.19952	-4.9518	63.207E-6
	17.00000	24.00000	99.56000	-1.1673	99.121	-0.24351	-5.6594	71.565E-6
	18.00000	24.00000	99.56000	-1.2479	99.121	-0.26975	-6.2191	78.549E-6
	19.00000	24.00000	99.56000	-1.3103	99.121	-0.27747	-6.6018	83.770E-6
	20.00000	24.00000	99.56000	-1.3543	99.121	-0.27279	-6.8291	87.273E-6
	21.00000	24.00000	99.56000	-1.3814	99.121	-0.26299	-6.9444	89.374E-6
	22.00000	24.00000	99.56000	-1.3937	99.121	-0.25394	-6.9916	90.454E-6
	23.00000	24.00000	99.56000	-1.3931	99.121	-0.24965	-7.0024	90.797E-6
	24.00000	24.00000	99.56000	-1.3803	99.121	-0.25195	-6.9884	90.494E-6
	25.00000	24.00000	99.56000	-1.3548	99.121	-0.26000	-6.9363	89.386E-6
	26.00000	24.00000	99.56000	-1.3147	99.121	-0.26900	-6.8048	87.085E-6
	27.00000	24.00000	99.56000	-1.2575	99.121	-0.26967	-6.5334	83.115E-6
	28.00000	24.00000	99.56000	-1.1821	99.121	-0.25225	-6.0736	77.198E-6
	29.00000	24.00000	99.56000	-1.0905	99.121	-0.21456	-5.4321	69.526E-6
	30.00000	24.00000	99.56000	-0.98886	99.121	-0.16570	-4.6836	60.786E-6
	31.00000	24.00000	99.56000	-0.88457	99.121	-0.11887	-3.9308	51.895E-6
	32.00000	24.00000	99.56000	-0.78398	99.121	-0.081914	-3.2505	43.627E-6
	33.00000	24.00000	99.56000	-0.69083	99.121	-0.055795	-2.6749	36.408E-6
	34.00000	24.00000	99.56000	-0.60666	99.121	-0.038233	-2.2045	30.343E-6
	35.00000	24.00000	99.56000	-0.53164	99.121	-0.026585	-1.8257	25.351E-6
	36.00000	24.00000	99.56000	-0.46524	99.121	-0.018818	-1.5218	21.276E-6
	37.00000	24.00000	99.56000	-0.40666	99.121	-0.013565	-1.2774	17.956E-6
	38.00000	24.00000	99.56000	-0.35506	99.121	-0.0099494	-1.0798	15.245E-6
	39.00000	24.00000	99.56000	-0.30960	99.121	-0.0074164	-0.91914	13.022E-6
	40.00000	24.00000	99.56000	-0.26953	99.121	-0.0056105	-0.78751	11.190E-6
	41.00000	24.00000	99.56000	-0.23416	99.121	-0.0043020	-0.67894	9.6705E-6
	42.00000	24.00000	99.56000	-0.20292	99.121	-0.0033394	-0.58877	8.4033E-6
	43.00000	24.00000	99.56000	-0.17529	99.121	-0.0026216	-0.51340	7.3401E-6
	44.00000	24.00000	99.56000	-0.15083	99.121	-0.0020794	-0.44999	6.4431E-6
	45.00000	24.00000	99.56000	-0.12914	99.121	-0.0016651	-0.39633	5.6820E-6
	46.00000	24.00000	99.56000	-0.10990	99.121	-0.0013451	-0.35066	5.0329E-6
	47.00000	24.00000	99.56000	-0.092819	99.121	-0.0010955	-0.31159	4.4764E-6
	48.00000	24.00000	99.56000	-0.077643	99.121	-898.92E-6	-0.27798	3.9970E-6
	49.00000	24.00000	99.56000	-0.064155	99.121	-742.85E-6	-0.24895	3.5822E-6
	50.00000	24.00000	99.56000	-0.052162	99.121	-617.93E-6	-0.22374	3.2217E-6
	0.00000	25.00000	99.56000	-0.11814	99.121	-0.0010333	-0.31468	4.5240E-6
	1.00000	25.00000	99.56000	-0.13787	99.121	-0.0012804	-0.35471	5.0944E-6
	2.00000	25.00000	99.56000	-0.15999	99.121	-0.0016023	-0.40163	5.7616E-6
	3.00000	25.00000	99.56000	-0.18478	99.121	-0.0020267	-0.45694	6.5463E-6
	4.00000	25.00000	99.56000	-0.21257	99.121	-0.0025935	-0.52254	7.4741E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	5.00000	25.00000	99.56000	-0.24372	99.121	-0.0033609	-0.60081	8.5771E-6
	6.00000	25.00000	99.56000	-0.27864	99.121	-0.0044145	-0.69477	9.8954E-6
	7.00000	25.00000	99.56000	-0.31776	99.121	-0.0058820	-0.80824	11.479E-6
	8.00000	25.00000	99.56000	-0.36154	99.121	-0.0079544	-0.94604	13.390E-6
	9.00000	25.00000	99.56000	-0.41045	99.121	-0.010918	-1.1141	15.701E-6
	10.00000	25.00000	99.56000	-0.46490	99.121	-0.015193	-1.3197	18.500E-6
	11.00000	25.00000	99.56000	-0.52519	99.121	-0.021379	-1.5708	21.876E-6
	12.00000	25.00000	99.56000	-0.59136	99.121	-0.030258	-1.8751	25.908E-6
	13.00000	25.00000	99.56000	-0.66292	99.121	-0.042683	-2.2377	30.632E-6
	14.00000	25.00000	99.56000	-0.73862	99.121	-0.059180	-2.6562	35.989E-6
	15.00000	25.00000	99.56000	-0.81609	99.121	-0.079192	-3.1150	41.779E-6
	16.00000	25.00000	99.56000	-0.89187	99.121	-0.10038	-3.5824	47.643E-6
	17.00000	25.00000	99.56000	-0.96187	99.121	-0.11910	-4.0168	53.135E-6
	18.00000	25.00000	99.56000	-1.0224	99.121	-0.13231	-4.3818	57.859E-6
	19.00000	25.00000	99.56000	-1.0711	99.121	-0.13922	-4.6592	61.585E-6
	20.00000	25.00000	99.56000	-1.1071	99.121	-0.14115	-4.8507	64.281E-6
	21.00000	25.00000	99.56000	-1.1304	99.121	-0.14026	-4.9698	66.050E-6
	22.00000	25.00000	99.56000	-1.1419	99.121	-0.13863	-5.0332	67.041E-6
	23.00000	25.00000	99.56000	-1.1421	99.121	-0.13772	-5.0532	67.371E-6
	24.00000	25.00000	99.56000	-1.1315	99.121	-0.13810	-5.0337	67.072E-6
	25.00000	25.00000	99.56000	-1.1098	99.121	-0.13921	-4.9678	66.067E-6
	26.00000	25.00000	99.56000	-1.0763	99.121	-0.13924	-4.8387	64.190E-6
	27.00000	25.00000	99.56000	-1.0307	99.121	-0.13542	-4.6256	61.262E-6
	28.00000	25.00000	99.56000	-0.97310	99.121	-0.12539	-4.3163	57.209E-6
	29.00000	25.00000	99.56000	-0.90533	99.121	-0.10899	-3.9199	52.167E-6
	30.00000	25.00000	99.56000	-0.83071	99.121	-0.088764	-3.4685	46.494E-6
	31.00000	25.00000	99.56000	-0.75331	99.121	-0.068490	-3.0053	40.653E-6
	32.00000	25.00000	99.56000	-0.67686	99.121	-0.050967	-2.5676	35.060E-6
	33.00000	25.00000	99.56000	-0.60403	99.121	-0.037237	-2.1772	29.990E-6
	34.00000	25.00000	99.56000	-0.53637	99.121	-0.027075	-1.8415	25.558E-6
	35.00000	25.00000	99.56000	-0.47457	99.121	-0.019762	-1.5590	21.775E-6
	36.00000	25.00000	99.56000	-0.41869	99.121	-0.014548	-1.3236	18.585E-6
	37.00000	25.00000	99.56000	-0.36852	99.121	-0.010827	-1.1285	15.913E-6
	38.00000	25.00000	99.56000	-0.32363	99.121	-0.0081530	-0.96659	13.679E-6
	39.00000	25.00000	99.56000	-0.28358	99.121	-0.0062113	-0.83204	11.810E-6
	40.00000	25.00000	99.56000	-0.24787	99.121	-0.0047859	-0.71980	10.243E-6
	41.00000	25.00000	99.56000	-0.21606	99.121	-0.0037273	-0.62577	8.9235E-6
	42.00000	25.00000	99.56000	-0.18773	99.121	-0.0029324	-0.54663	7.8091E-6
	43.00000	25.00000	99.56000	-0.16250	99.121	-0.0023289	-0.47970	6.8636E-6
	44.00000	25.00000	99.56000	-0.14001	99.121	-0.0018660	-0.42282	6.0579E-6
	45.00000	25.00000	99.56000	-0.11997	99.121	-0.0015076	-0.37426	5.3684E-6
	46.00000	25.00000	99.56000	-0.10211	99.121	-0.0012274	-0.33260	4.7758E-6
	47.00000	25.00000	99.56000	-0.086177	99.121	-0.0010066	-0.29671	4.2643E-6
	48.00000	25.00000	99.56000	-0.071970	99.121	-831.21E-6	-0.26565	3.8209E-6
	49.00000	25.00000	99.56000	-0.059300	99.121	-690.74E-6	-0.23866	3.4352E-6
	50.00000	25.00000	99.56000	-0.048002	99.121	-577.48E-6	-0.21511	3.0982E-6
	0.00000	26.00000	99.56000	-0.10887	99.121	-946.89E-6	-0.29828	4.2897E-6
	1.00000	26.00000	99.56000	-0.12701	99.121	-0.0011637	-0.33470	4.8009E-6
	2.00000	26.00000	99.56000	-0.14724	99.121	-0.0014424	-0.37704	5.4116E-6
	3.00000	26.00000	99.56000	-0.16977	99.121	-0.0018043	-0.42648	6.1137E-6
	4.00000	26.00000	99.56000	-0.19485	99.121	-0.0022790	-0.48447	6.9350E-6
	5.00000	26.00000	99.56000	-0.22276	99.121	-0.0029082	-0.55279	7.8996E-6
	6.00000	26.00000	99.56000	-0.25376	99.121	-0.0037506	-0.63361	9.0363E-6
	7.00000	26.00000	99.56000	-0.28814	99.121	-0.0048894	-0.72955	10.380E-6
	8.00000	26.00000	99.56000	-0.32618	99.121	-0.0064415	-0.84374	11.970E-6
	9.00000	26.00000	99.56000	-0.36811	99.121	-0.0085685	-0.97978	13.853E-6
	10.00000	26.00000	99.56000	-0.41408	99.121	-0.011487	-1.1416	16.075E-6
	11.00000	26.00000	99.56000	-0.46409	99.121	-0.015468	-1.3329	18.680E-6
	12.00000	26.00000	99.56000	-0.51791	99.121	-0.020812	-1.5566	21.695E-6
	13.00000	26.00000	99.56000	-0.57492	99.121	-0.027763	-1.8130	25.114E-6
	14.00000	26.00000	99.56000	-0.63398	99.121	-0.036347	-2.0978	28.876E-6
	15.00000	26.00000	99.56000	-0.69337	99.121	-0.046160	-2.4005	32.844E-6
	16.00000	26.00000	99.56000	-0.75085	99.121	-0.056260	-2.7043	36.815E-6
	17.00000	26.00000	99.56000	-0.80394	99.121	-0.065393	-2.9889	40.549E-6
	18.00000	26.00000	99.56000	-0.85038	99.121	-0.072504	-3.2363	43.831E-6
	19.00000	26.00000	99.56000	-0.88849	99.121	-0.077181	-3.4354	46.518E-6
	20.00000	26.00000	99.56000	-0.91735	99.121	-0.079692	-3.5834	48.557E-6
	21.00000	26.00000	99.56000	-0.93664	99.121	-0.080697	-3.6833	49.965E-6
	22.00000	26.00000	99.56000	-0.94644	99.121	-0.080915	-3.7407	50.789E-6
	23.00000	26.00000	99.56000	-0.94694	99.121	-0.080874	-3.7600	51.070E-6
	24.00000	26.00000	99.56000	-0.93827	99.121	-0.080752	-3.7421	50.817E-6
	25.00000	26.00000	99.56000	-0.92043	99.121	-0.080295	-3.6841	49.994E-6
	26.00000	26.00000	99.56000	-0.89337	99.121	-0.078840	-3.5794	48.537E-6
	27.00000	26.00000	99.56000	-0.85723	99.121	-0.075529	-3.4217	46.391E-6
	28.00000	26.00000	99.56000	-0.81263	99.121	-0.069749	-3.2091	43.557E-6
	29.00000	26.00000	99.56000	-0.76097	99.121	-0.061587	-2.9489	40.134E-6
	30.00000	26.00000	99.56000	-0.70430	99.121	-0.051924	-2.6570	36.317E-6
	31.00000	26.00000	99.56000	-0.64509	99.121	-0.042031	-2.3544	32.353E-6
	32.00000	26.00000	99.56000	-0.58568	99.121	-0.032995	-2.0601	28.474E-6
	33.00000	26.00000	99.56000	-0.52794	99.121	-0.025402	-1.7879	24.853E-6
	34.00000	26.00000	99.56000	-0.47317	99.121	-0.019366	-1.5448	21.586E-6
	35.00000	26.00000	99.56000	-0.42212	99.121	-0.014728	-1.3327	18.709E-6
	36.00000	26.00000	99.56000	-0.37514	99.121	-0.011228	-1.1504	16.214E-6
	37.00000	26.00000	99.56000	-0.33226	99.121	-0.0086060	-0.99489	14.070E-6
	38.00000	26.00000	99.56000	-0.29337	99.121	-0.0066434	-0.86282	12.238E-6
	39.00000	26.00000	99.56000	-0.25823	99.121	-0.0051692	-0.75077	10.676E-6
	40.00000	26.00000	99.56000	-0.22658	99.121	-0.0040554	-0.65564	9.3430E-6
	41.00000	26.00000	99.56000	-0.19812	99.121	-0.0032078	-0.57471	8.2049E-6
	42.00000	26.00000	99.56000	-0.17256	99.121	-0.0025579	-0.50569	7.2309E-6
	43.00000	26.00000	99.56000	-0.14964	99.121	-0.0020555	-0.44663	6.3953E-6
	44.00000	26.00000	99.56000	-0.12908	99.121	-0.0016640	-0.39592	5.6761E-6
	45.00000	26.00000	99.56000	-0.11066	99.121	-0.0013567	-0.35223	5.0551E-6
	46.00000	26.00000	99.56000	-0.094151	99.121	-0.0011136	-0.31444	4.5171E-6
	47.00000	26.00000	99.56000	-0.079369	99.121	-919.90E-6	-0.28165	4.0494E-6
	48.00000	26.00000	99.56000	-0.066135	99.121	-764.51E-6	-0.25309	3.6415E-6
	49.00000	26.00000	99.56000	-0.054291	99.121	-639.03E-6	-0.22813	3.2845E-6
	50.00000	26.00000	99.56000	-0.043697	99.121	-537.06E-6	-0.20624	2.9711E-6
	0.00000	27.00000	99.56000	-0.099598	99.121	-862.28E-6	-0.28187	4.0550E-6
	1.00000	27.00000	99.56000	-0.11620	99.121	-0.0010507	-0.31483	4.5254E-6
	2.00000	27.00000	99.56000	-0.13461	99.121	-0.0012897	-0.35282	5.0666E-6
	3.00000	27.00000	99.56000	-0.15500	99.121	-0.0015952	-0.39676	5.6914E-6
	4.00000	27.00000	99.56000	-0.17754	99.121	-0.0019887	-0.44775	6.4144E-6
	5.00000	27.00000	99.56000	-0.20244	99.121	-0.0024994	-0.50706	7.2535E-6
	6.00000	27.00000	99.56000	-0.22986	99.121	-0.0031668	-0.57624	8.2287E-6
	7.00000	27.00000	99.56000	-0.25998	99.121	-0.0040436	-0.65702	9.3635E-6
	8.00000	27.00000	99.56000	-0.29295	99.121	-0.0051997	-0.75138	10.683E-6
	9.00000	27.00000	99.56000	-0.32885	99.121	-0.0067246	-0.86139	12.214E-6
	10.00000	27.00000	99.56000	-0.36768	99.121	-0.0087272	-0.98910	13.981E-6
	11.00000	27.00000	99.56000	-0.40930	99.121	-0.011328	-1.1361	16.002E-6
	12.00000	27.00000	99.56000	-0.45337	99.121	-0.014638	-1.3030	18.281E-6
	13.00000	27.00000	99.56000	-0.49930	99.121	-0.018715	-1.4887	20.800E-6
	14.00000	27.00000	99.56000	-0.54614	99.121	-0.023502	-1.6895	23.507E-6
	15.00000	27.00000	99.56000	-0.59265	99.121	-0.028770	-1.8984	26.311E-6
	16.00000	27.00000	99.56000	-0.63730	99.121	-0.034110	-2.1060	29.092E-6
	17.00000	27.00000	99.56000	-0.67848	99.121	-0.039025	-2.3012	31.713E-6
	18.00000	27.00000	99.56000	-0.71468	99.121	-0.043093	-2.4742	34.047E-6
	19.00000	27.00000	99.56000	-0.74471	99.121	-0.046103	-2.6180	36.004E-6
	20.00000	27.00000	99.56000	-0.76778	99.121	-0.048084	-2.7292	37.533E-6
	21.00000	27.00000	99.56000	-0.78344	99.121	-0.049232	-2.8076	38.620E-6
	22.00000	27.00000	99.56000	-0.79154	99.121	-0.049790	-2.8542	39.273E-6
	23.00000	27.00000	99.56000	-0.79207	99.121	-0.049942	-2.8702	39.499E-6
	24.00000	27.00000	99.56000	-0.78508	99.121	-0.049744	-2.8559	39.299E-6
	25.00000	27.00000	99.56000	-0.77064	99.121	-0.049091	-2.8097	38.658E-6
	26.00000	27.00000	99.56000	-0.74892	99.121	-0.047746	-2.7298	37.556E-6
	27.00000	27.00000	99.56000	-0.72026	99.121	-0.045438	-2.6147	35.985E-6
	28.00000	27.00000	99.56000	-0.68529	99.121	-0.042014	-2.4654	33.967E-6
	29.00000	27.00000	99.56000	-0.64509	99.121	-0.037565	-2.2872	31.573E-6
	30.00000	27.00000	99.56000	-0.60103	99.121	-0.032446	-2.0891	28.919E-6
	31.00000	27.00000	99.56000	-0.55473	99.121	-0.027155	-1.8820	26.144E-6
	32.00000	27.00000	99.56000	-0.50773	99.121	-0.022152	-1.6769	23.383E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	33.00000	27.00000	99.56000	-0.46138	99.121	-0.017739	-1.4822	20.748E-6
	34.00000	27.00000	99.56000	-0.41670	99.121	-0.014042	-1.3032	18.310E-6
	35.00000	27.00000	99.56000	-0.37438	99.121	-0.011051	-1.1425	16.107E-6
	36.00000	27.00000	99.56000	-0.33482	99.121	-0.0086838	-1.0006	14.150E-6
	37.00000	27.00000	99.56000	-0.29822	99.121	-0.0068345	-0.87667	12.431E-6
	38.00000	27.00000	99.56000	-0.26459	99.121	-0.0053986	-0.76909	10.932E-6
	39.00000	27.00000	99.56000	-0.23387	99.121	-0.0042852	-0.67606	9.6294E-6
	40.00000	27.00000	99.56000	-0.20592	99.121	-0.0034206	-0.59574	8.5009E-6
	41.00000	27.00000	99.56000	-0.18056	99.121	-0.0027469	-0.52640	7.5235E-6
	42.00000	27.00000	99.56000	-0.15761	99.121	-0.0022196	-0.46649	6.6765E-6
	43.00000	27.00000	99.56000	-0.13687	99.121	-0.0018046	-0.41463	5.9416E-6
	44.00000	27.00000	99.56000	-0.11817	99.121	-0.0014762	-0.36965	5.3028E-6
	45.00000	27.00000	99.56000	-0.10131	99.121	-0.0012147	-0.33053	4.7463E-6
	46.00000	27.00000	99.56000	-0.086134	99.121	-0.0010052	-0.29643	4.2603E-6
	47.00000	27.00000	99.56000	-0.072481	99.121	-836.52E-6	-0.26662	3.8347E-6
	48.00000	27.00000	99.56000	-0.060210	99.121	-699.84E-6	-0.24048	3.4612E-6
	49.00000	27.00000	99.56000	-0.049188	99.121	-588.48E-6	-0.21750	3.1323E-6
	50.00000	27.00000	99.56000	-0.039298	99.121	-497.27E-6	-0.19723	2.8420E-6
	0.00000	28.00000	99.56000	-0.090416	99.121	-781.03E-6	-0.26565	3.8232E-6
	1.00000	28.00000	99.56000	-0.10555	99.121	-943.49E-6	-0.29535	4.2473E-6
	2.00000	28.00000	99.56000	-0.12224	99.121	-0.0011468	-0.32929	4.7312E-6
	3.00000	28.00000	99.56000	-0.14062	99.121	-0.0014026	-0.36817	5.2846E-6
	4.00000	28.00000	99.56000	-0.16081	99.121	-0.0017264	-0.41280	5.9185E-6
	5.00000	28.00000	99.56000	-0.18295	99.121	-0.0021381	-0.46411	6.6455E-6
	6.00000	28.00000	99.56000	-0.20713	99.121	-0.0026638	-0.52313	7.4796E-6
	7.00000	28.00000	99.56000	-0.23346	99.121	-0.0033365	-0.59101	8.4358E-6
	8.00000	28.00000	99.56000	-0.26200	99.121	-0.0041971	-0.66894	9.5299E-6
	9.00000	28.00000	99.56000	-0.29273	99.121	-0.0052944	-0.75808	10.776E-6
	10.00000	28.00000	99.56000	-0.32558	99.121	-0.0066826	-0.85938	12.187E-6
	11.00000	28.00000	99.56000	-0.36035	99.121	-0.0084140	-0.97339	13.767E-6
	12.00000	28.00000	99.56000	-0.39668	99.121	-0.010527	-1.0998	15.511E-6
	13.00000	28.00000	99.56000	-0.43404	99.121	-0.013024	-1.2373	17.398E-6
	14.00000	28.00000	99.56000	-0.47170	99.121	-0.015853	-1.3830	19.390E-6
	15.00000	28.00000	99.56000	-0.50871	99.121	-0.018888	-1.5323	21.425E-6
	16.00000	28.00000	99.56000	-0.54402	99.121	-0.021936	-1.6794	23.429E-6
	17.00000	28.00000	99.56000	-0.57650	99.121	-0.024778	-1.8179	25.316E-6
	18.00000	28.00000	99.56000	-0.60510	99.121	-0.027223	-1.9420	27.012E-6
	19.00000	28.00000	99.56000	-0.62896	99.121	-0.029157	-2.0470	28.452E-6
	20.00000	28.00000	99.56000	-0.64742	99.121	-0.030558	-2.1302	29.598E-6
	21.00000	28.00000	99.56000	-0.66006	99.121	-0.031476	-2.1900	30.427E-6
	22.00000	28.00000	99.56000	-0.66667	99.121	-0.031987	-2.2264	30.933E-6
	23.00000	28.00000	99.56000	-0.66715	99.121	-0.032152	-2.2391	31.111E-6
	24.00000	28.00000	99.56000	-0.66152	99.121	-0.031986	-2.2281	30.958E-6
	25.00000	28.00000	99.56000	-0.64989	99.121	-0.031448	-2.1929	30.470E-6
	26.00000	28.00000	99.56000	-0.63247	99.121	-0.030456	-2.1331	29.645E-6
	27.00000	28.00000	99.56000	-0.60961	99.121	-0.028928	-2.0489	28.488E-6
	28.00000	28.00000	99.56000	-0.58189	99.121	-0.026836	-1.9420	27.028E-6
	29.00000	28.00000	99.56000	-0.55011	99.121	-0.024248	-1.8161	25.312E-6
	30.00000	28.00000	99.56000	-0.51527	99.121	-0.021326	-1.6766	23.414E-6
	31.00000	28.00000	99.56000	-0.47845	99.121	-0.018289	-1.5300	21.418E-6
	32.00000	28.00000	99.56000	-0.44075	99.121	-0.015352	-1.3827	19.407E-6
	33.00000	28.00000	99.56000	-0.40314	99.121	-0.012672	-1.2401	17.454E-6
	34.00000	28.00000	99.56000	-0.36642	99.121	-0.010336	-1.1062	15.611E-6
	35.00000	28.00000	99.56000	-0.33117	99.121	-0.0083676	-0.98316	13.911E-6
	36.00000	28.00000	99.56000	-0.29781	99.121	-0.0067484	-0.87207	12.368E-6
	37.00000	28.00000	99.56000	-0.26655	99.121	-0.0054370	-0.77295	10.986E-6
	38.00000	28.00000	99.56000	-0.23751	99.121	-0.0043851	-0.68526	9.7587E-6
	39.00000	28.00000	99.56000	-0.21070	99.121	-0.0035456	-0.60811	8.6751E-6
	40.00000	28.00000	99.56000	-0.18609	99.121	-0.0028769	-0.54045	7.7218E-6
	41.00000	28.00000	99.56000	-0.16357	99.121	-0.0023441	-0.48122	6.8850E-6
	42.00000	28.00000	99.56000	-0.14304	99.121	-0.0019186	-0.42940	6.1511E-6
	43.00000	28.00000	99.56000	-0.12436	99.121	-0.0015778	-0.38404	5.5073E-6
	44.00000	28.00000	99.56000	-0.10741	99.121	-0.0013039	-0.34429	4.9422E-6
	45.00000	28.00000	99.56000	-0.092046	99.121	-0.0010828	-0.30942	4.4455E-6
	46.00000	28.00000	99.56000	-0.078149	99.121	-903.52E-6	-0.27877	4.0083E-6
	47.00000	28.00000	99.56000	-0.065592	99.121	-757.48E-6	-0.25178	3.6227E-6
	48.00000	28.00000	99.56000	-0.054261	99.121	-637.98E-6	-0.22795	3.2819E-6
	49.00000	28.00000	99.56000	-0.044048	99.121	-539.74E-6	-0.20687	2.9802E-6
	50.00000	28.00000	99.56000	-0.034854	99.121	-458.61E-6	-0.18818	2.7124E-6
	0.00000	29.00000	99.56000	-0.081413	99.121	-704.26E-6	-0.24982	3.5966E-6
	1.00000	29.00000	99.56000	-0.095158	99.121	-843.45E-6	-0.27647	3.9775E-6
	2.00000	29.00000	99.56000	-0.11024	99.121	-0.0010153	-0.30668	4.4087E-6
	3.00000	29.00000	99.56000	-0.12675	99.121	-0.0012283	-0.34097	4.8973E-6
	4.00000	29.00000	99.56000	-0.14478	99.121	-0.0014932	-0.37993	5.4513E-6
	5.00000	29.00000	99.56000	-0.16441	99.121	-0.0018238	-0.42419	6.0796E-6
	6.00000	29.00000	99.56000	-0.18570	99.121	-0.0022367	-0.47447	6.7916E-6
	7.00000	29.00000	99.56000	-0.20868	99.121	-0.0027525	-0.53147	7.5969E-6
	8.00000	29.00000	99.56000	-0.23337	99.121	-0.0033948	-0.59591	8.5045E-6
	9.00000	29.00000	99.56000	-0.25969	99.121	-0.0041900	-0.66838	9.5220E-6
	10.00000	29.00000	99.56000	-0.28754	99.121	-0.0051645	-0.74925	10.654E-6
	11.00000	29.00000	99.56000	-0.31670	99.121	-0.0063402	-0.83855	11.899E-6
	12.00000	29.00000	99.56000	-0.34684	99.121	-0.0077277	-0.93573	13.250E-6
	13.00000	29.00000	99.56000	-0.37750	99.121	-0.0093176	-1.0395	14.687E-6
	14.00000	29.00000	99.56000	-0.40810	99.121	-0.011072	-1.1477	16.182E-6
	15.00000	29.00000	99.56000	-0.43793	99.121	-0.012919	-1.2573	17.692E-6
	16.00000	29.00000	99.56000	-0.46623	99.121	-0.014764	-1.3645	19.169E-6
	17.00000	29.00000	99.56000	-0.49219	99.121	-0.016498	-1.4655	20.559E-6
	18.00000	29.00000	99.56000	-0.51505	99.121	-0.018027	-1.5563	21.812E-6
	19.00000	29.00000	99.56000	-0.53415	99.121	-0.019285	-1.6340	22.886E-6
	20.00000	29.00000	99.56000	-0.54899	99.121	-0.020245	-1.6963	23.748E-6
	21.00000	29.00000	99.56000	-0.55920	99.121	-0.020912	-1.7418	24.379E-6
	22.00000	29.00000	99.56000	-0.56456	99.121	-0.021305	-1.7697	24.767E-6
	23.00000	29.00000	99.56000	-0.56498	99.121	-0.021440	-1.7797	24.906E-6
	24.00000	29.00000	99.56000	-0.56044	99.121	-0.021320	-1.7714	24.792E-6
	25.00000	29.00000	99.56000	-0.55106	99.121	-0.020930	-1.7449	24.424E-6
	26.00000	29.00000	99.56000	-0.53703	99.121	-0.020244	-1.7002	23.805E-6
	27.00000	29.00000	99.56000	-0.51869	99.121	-0.019241	-1.6382	22.947E-6
	28.00000	29.00000	99.56000	-0.49650	99.121	-0.017927	-1.5602	21.873E-6
	29.00000	29.00000	99.56000	-0.47107	99.121	-0.016346	-1.4690	20.618E-6
	30.00000	29.00000	99.56000	-0.44313	99.121	-0.014582	-1.3681	19.229E-6
	31.00000	29.00000	99.56000	-0.41347	99.121	-0.012742	-1.2615	17.761E-6
	32.00000	29.00000	99.56000	-0.38288	99.121	-0.010934	-1.1531	16.267E-6
	33.00000	29.00000	99.56000	-0.35209	99.121	-0.0092417	-1.0467	14.795E-6
	34.00000	29.00000	99.56000	-0.32171	99.121	-0.0077223	-0.94492	13.383E-6
	35.00000	29.00000	99.56000	-0.29223	99.121	-0.0064005	-0.84968	12.058E-6
	36.00000	29.00000	99.56000	-0.26401	99.121	-0.0052777	-0.76206	10.835E-6
	37.00000	29.00000	99.56000	-0.23729	99.121	-0.0043402	-0.68246	9.7199E-6
	38.00000	29.00000	99.56000	-0.21222	99.121	-0.0035666	-0.61084	8.7137E-6
	39.00000	29.00000	99.56000	-0.18887	99.121	-0.0029330	-0.54682	7.8119E-6
	40.00000	29.00000	99.56000	-0.16723	99.121	-0.0024164	-0.48988	7.0075E-6
	41.00000	29.00000	99.56000	-0.14729	99.121	-0.0019960	-0.43937	6.2924E-6
	42.00000	29.00000	99.56000	-0.12897	99.121	-0.0016539	-0.39464	5.6580E-6
	43.00000	29.00000	99.56000	-0.11220	99.121	-0.0013753	-0.35507	5.0956E-6
	44.00000	29.00000	99.56000	-0.096896	99.121	-0.0011479	-0.32007	4.5972E-6
	45.00000	29.00000	99.56000	-0.082951	99.121	-961.90E-6	-0.28908	4.1554E-6
	46.00000	29.00000	99.56000	-0.070274	99.121	-809.20E-6	-0.26163	3.7634E-6
	47.00000	29.00000	99.56000	-0.058770	99.121	-683.44E-6	-0.23727	3.4152E-6
	48.00000	29.00000	99.56000	-0.048348	99.121	-579.50E-6	-0.21562	3.1055E-6
	49.00000	29.00000	99.56000	-0.038921	99.121	-493.27E-6	-0.19636	2.8296E-6
	50.00000	29.00000	99.56000	-0.030408	99.121	-421.47E-6	-0.17919	2.5834E-6
	0.00000	30.00000	99.56000	-0.072660	99.121	-632.71E-6	-0.23449	3.3772E-6
	1.00000	30.00000	99.56000	-0.085103	99.121	-751.35E-6	-0.25835	3.7184E-6
	2.00000	30.00000	99.56000	-0.098690	99.121	-895.90E-6	-0.28516	4.1014E-6
	3.00000	30.00000	99.56000	-0.11348	99.121	-0.0010725	-0.31533	4.5317E-6
	4.00000	30.00000	99.56000	-0.12954	99.121	-0.0012886	-0.34926	5.0149E-6
	5.00000	30.00000	99.56000	-0.14691	99.121	-0.0015534	-0.38740	5.5571E-6
	6.00000	30.00000	99.56000	-0.16562	99.121	-0.0018777	-0.43020	6.1645E-6
	7.00000	30.00000	99.56000	-0.18566	99.121	-0.0022738	-0.47811	6.8430E-6
	8.00000	30.00000	99.56000	-0.20702	99.121	-0.0027556	-0.53152	7.5974E-6
	9.00000	30.00000	99.56000	-0.22959	99.121	-0.0033369	-0.59068	8.4311E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	10.00000	30.00000	99.56000	-0.25326	99.121	-0.0040304	-0.65569	9.3447E-6
	11.00000	30.00000	99.56000	-0.27781	99.121	-0.0048445	-0.72632	10.335E-6
	12.00000	30.00000	99.56000	-0.30294	99.121	-0.0057800	-0.80199	11.393E-6
	13.00000	30.00000	99.56000	-0.32829	99.121	-0.0068261	-0.88160	12.503E-6
	14.00000	30.00000	99.56000	-0.35338	99.121	-0.0079574	-0.96355	13.644E-6
	15.00000	30.00000	99.56000	-0.37769	99.121	-0.0091331	-1.0457	14.786E-6
	16.00000	30.00000	99.56000	-0.40062	99.121	-0.010301	-1.1257	15.896E-6
	17.00000	30.00000	99.56000	-0.42158	99.121	-0.011404	-1.2008	16.938E-6
	18.00000	30.00000	99.56000	-0.44003	99.121	-0.012391	-1.2686	17.879E-6
	19.00000	30.00000	99.56000	-0.45545	99.121	-0.013223	-1.3268	18.689E-6
	20.00000	30.00000	99.56000	-0.46744	99.121	-0.013878	-1.3738	19.343E-6
	21.00000	30.00000	99.56000	-0.47571	99.121	-0.014347	-1.4084	19.824E-6
	22.00000	30.00000	99.56000	-0.48007	99.121	-0.014632	-1.4298	20.123E-6
	23.00000	30.00000	99.56000	-0.48041	99.121	-0.014734	-1.4375	20.231E-6
	24.00000	30.00000	99.56000	-0.47674	99.121	-0.014653	-1.4314	20.145E-6
	25.00000	30.00000	99.56000	-0.46915	99.121	-0.014383	-1.4115	19.867E-6
	26.00000	30.00000	99.56000	-0.45780	99.121	-0.013917	-1.3780	19.402E-6
	27.00000	30.00000	99.56000	-0.44297	99.121	-0.013254	-1.3318	18.759E-6
	28.00000	30.00000	99.56000	-0.42505	99.121	-0.012407	-1.2740	17.958E-6
	29.00000	30.00000	99.56000	-0.40449	99.121	-0.011404	-1.2066	17.023E-6
	30.00000	30.00000	99.56000	-0.38186	99.121	-0.010292	-1.1320	15.987E-6
	31.00000	30.00000	99.56000	-0.35772	99.121	-0.0091291	-1.0527	14.887E-6
	32.00000	30.00000	99.56000	-0.33267	99.121	-0.0079711	-0.97140	13.757E-6
	33.00000	30.00000	99.56000	-0.30725	99.121	-0.0068673	-0.89056	12.631E-6
	34.00000	30.00000	99.56000	-0.28196	99.121	-0.0058526	-0.81215	11.537E-6
	35.00000	30.00000	99.56000	-0.25719	99.121	-0.0049471	-0.73764	10.495E-6
	36.00000	30.00000	99.56000	-0.23326	99.121	-0.0041573	-0.66799	9.5179E-6
	37.00000	30.00000	99.56000	-0.21040	99.121	-0.0034806	-0.60374	8.6144E-6
	38.00000	30.00000	99.56000	-0.18875	99.121	-0.0029083	-0.54505	7.7873E-6
	39.00000	30.00000	99.56000	-0.16842	99.121	-0.0024287	-0.49186	7.0358E-6
	40.00000	30.00000	99.56000	-0.14944	99.121	-0.0020292	-0.44391	6.3570E-6
	41.00000	30.00000	99.56000	-0.13181	99.121	-0.0016978	-0.40087	5.7464E-6
	42.00000	30.00000	99.56000	-0.11551	99.121	-0.0014233	-0.36233	5.1988E-6
	43.00000	30.00000	99.56000	-0.10050	99.121	-0.0011962	-0.32788	4.7085E-6
	44.00000	30.00000	99.56000	-0.086718	99.121	-0.0010081	-0.29711	4.2701E-6
	45.00000	30.00000	99.56000	-0.074100	99.121	-852.15E-6	-0.26965	3.8781E-6
	46.00000	30.00000	99.56000	-0.062576	99.121	-722.62E-6	-0.24512	3.5276E-6
	47.00000	30.00000	99.56000	-0.052074	99.121	-614.78E-6	-0.22321	3.2141E-6
	48.00000	30.00000	99.56000	-0.042523	99.121	-524.77E-6	-0.20361	2.9334E-6
	49.00000	30.00000	99.56000	-0.033854	99.121	-449.42E-6	-0.18605	2.6819E-6
	50.00000	30.00000	99.56000	-0.026000	99.121	-386.15E-6	-0.17032	2.4561E-6
	0.00000	31.00000	99.56000	-0.064213	99.121	-566.76E-6	-0.21978	3.1665E-6
	1.00000	31.00000	99.56000	-0.075445	99.121	-667.51E-6	-0.24108	3.4713E-6
	2.00000	31.00000	99.56000	-0.087652	99.121	-788.70E-6	-0.26484	3.8109E-6
	3.00000	31.00000	99.56000	-0.10087	99.121	-934.71E-6	-0.29133	4.1892E-6
	4.00000	31.00000	99.56000	-0.11515	99.121	-0.0011107	-0.32084	4.6101E-6
	5.00000	31.00000	99.56000	-0.13049	99.121	-0.0013227	-0.35369	5.0778E-6
	6.00000	31.00000	99.56000	-0.14691	99.121	-0.0015776	-0.39015	5.5961E-6
	7.00000	31.00000	99.56000	-0.16439	99.121	-0.0018830	-0.43049	6.1684E-6
	8.00000	31.00000	99.56000	-0.18286	99.121	-0.0022466	-0.47488	6.7972E-6
	9.00000	31.00000	99.56000	-0.20225	99.121	-0.0026757	-0.52342	7.4832E-6
	10.00000	31.00000	99.56000	-0.22241	99.121	-0.0031761	-0.57603	8.2253E-6
	11.00000	31.00000	99.56000	-0.24315	99.121	-0.0037503	-0.63242	9.0191E-6
	12.00000	31.00000	99.56000	-0.26422	99.121	-0.0043960	-0.69203	9.8565E-6
	13.00000	31.00000	99.56000	-0.28531	99.121	-0.0051042	-0.75399	10.725E-6
	14.00000	31.00000	99.56000	-0.30605	99.121	-0.0058580	-0.81710	11.609E-6
	15.00000	31.00000	99.56000	-0.32601	99.121	-0.0066330	-0.87986	12.486E-6
	16.00000	31.00000	99.56000	-0.34476	99.121	-0.0073993	-0.94056	13.334E-6
	17.00000	31.00000	99.56000	-0.36185	99.121	-0.0081248	-0.99743	14.128E-6
	18.00000	31.00000	99.56000	-0.37685	99.121	-0.0087796	-1.0487	14.845E-6
	19.00000	31.00000	99.56000	-0.38939	99.121	-0.0093397	-1.0929	15.462E-6
	20.00000	31.00000	99.56000	-0.39915	99.121	-0.0097884	-1.1287	15.962E-6
	21.00000	31.00000	99.56000	-0.40588	99.121	-0.010116	-1.1552	16.332E-6
	22.00000	31.00000	99.56000	-0.40943	99.121	-0.010319	-1.1717	16.563E-6
	23.00000	31.00000	99.56000	-0.40971	99.121	-0.010394	-1.1777	16.647E-6
	24.00000	31.00000	99.56000	-0.40673	99.121	-0.010339	-1.1732	16.583E-6
	25.00000	31.00000	99.56000	-0.40054	99.121	-0.010155	-1.1581	16.373E-6
	26.00000	31.00000	99.56000	-0.39131	99.121	-0.0098386	-1.1328	16.019E-6
	27.00000	31.00000	99.56000	-0.37925	99.121	-0.0093956	-1.0980	15.533E-6
	28.00000	31.00000	99.56000	-0.36466	99.121	-0.0088365	-1.0546	14.927E-6
	29.00000	31.00000	99.56000	-0.34790	99.121	-0.0081809	-1.0039	14.220E-6
	30.00000	31.00000	99.56000	-0.32939	99.121	-0.0074563	-0.94769	13.435E-6
	31.00000	31.00000	99.56000	-0.30958	99.121	-0.0066949	-0.88766	12.597E-6
	32.00000	31.00000	99.56000	-0.28890	99.121	-0.0059294	-0.82564	11.730E-6
	33.00000	31.00000	99.56000	-0.26779	99.121	-0.0051887	-0.76332	10.857E-6
	34.00000	31.00000	99.56000	-0.24662	99.121	-0.0044951	-0.70216	9.9992E-6
	35.00000	31.00000	99.56000	-0.22573	99.121	-0.0038630	-0.64328	9.1718E-6
	36.00000	31.00000	99.56000	-0.20538	99.121	-0.0032995	-0.58750	8.3865E-6
	37.00000	31.00000	99.56000	-0.18578	99.121	-0.0028061	-0.53534	7.6507E-6
	38.00000	31.00000	99.56000	-0.16709	99.121	-0.0023797	-0.48707	6.9684E-6
	39.00000	31.00000	99.56000	-0.14939	99.121	-0.0020150	-0.44276	6.3410E-6
	40.00000	31.00000	99.56000	-0.13275	99.121	-0.0017054	-0.40235	5.7676E-6
	41.00000	31.00000	99.56000	-0.11719	99.121	-0.0014439	-0.36566	5.2463E-6
	42.00000	31.00000	99.56000	-0.10272	99.121	-0.0012238	-0.33246	4.7739E-6
	43.00000	31.00000	99.56000	-0.089311	99.121	-0.0010389	-0.30250	4.3470E-6
	44.00000	31.00000	99.56000	-0.076938	99.121	-883.69E-6	-0.27551	3.9618E-6
	45.00000	31.00000	99.56000	-0.065554	99.121	-753.35E-6	-0.25121	3.6147E-6
	46.00000	31.00000	99.56000	-0.055110	99.121	-643.82E-6	-0.22935	3.3020E-6
	47.00000	31.00000	99.56000	-0.045553	99.121	-551.67E-6	-0.20968	3.0204E-6
	48.00000	31.00000	99.56000	-0.036830	99.121	-473.99E-6	-0.19197	2.7666E-6
	49.00000	31.00000	99.56000	-0.028885	99.121	-408.39E-6	-0.17602	2.5379E-6
	50.00000	31.00000	99.56000	-0.021665	99.121	-352.85E-6	-0.16164	2.3315E-6
	0.00000	32.00000	99.56000	-0.056116	99.121	-506.54E-6	-0.20576	2.9654E-6
	1.00000	32.00000	99.56000	-0.066228	99.121	-591.85E-6	-0.22474	3.2373E-6
	2.00000	32.00000	99.56000	-0.077169	99.121	-693.23E-6	-0.24575	3.5380E-6
	3.00000	32.00000	99.56000	-0.088964	99.121	-813.78E-6	-0.26899	3.8702E-6
	4.00000	32.00000	99.56000	-0.10163	99.121	-957.01E-6	-0.29466	4.2367E-6
	5.00000	32.00000	99.56000	-0.11517	99.121	-0.0011269	-0.32296	4.6401E-6
	6.00000	32.00000	99.56000	-0.12957	99.121	-0.0013278	-0.35405	5.0829E-6
	7.00000	32.00000	99.56000	-0.14480	99.121	-0.0015643	-0.38808	5.5666E-6
	8.00000	32.00000	99.56000	-0.16080	99.121	-0.0018406	-0.42511	6.0923E-6
	9.00000	32.00000	99.56000	-0.17747	99.121	-0.0021606	-0.46514	6.6594E-6
	10.00000	32.00000	99.56000	-0.19468	99.121	-0.0025264	-0.50800	7.2659E-6
	11.00000	32.00000	99.56000	-0.21227	99.121	-0.0029384	-0.55341	7.9073E-6
	12.00000	32.00000	99.56000	-0.23001	99.121	-0.0033934	-0.60088	8.5767E-6
	13.00000	32.00000	99.56000	-0.24765	99.121	-0.0038846	-0.64970	9.2642E-6
	14.00000	32.00000	99.56000	-0.26489	99.121	-0.0044008	-0.69898	9.9572E-6
	15.00000	32.00000	99.56000	-0.28141	99.121	-0.0049267	-0.74763	10.641E-6
	16.00000	32.00000	99.56000	-0.29686	99.121	-0.0054444	-0.79444	11.298E-6
	17.00000	32.00000	99.56000	-0.31090	99.121	-0.0059347	-0.83814	11.911E-6
	18.00000	32.00000	99.56000	-0.32319	99.121	-0.0063793	-0.87752	12.463E-6
	19.00000	32.00000	99.56000	-0.33346	99.121	-0.0067628	-0.91146	12.939E-6
	20.00000	32.00000	99.56000	-0.34144	99.121	-0.0070733	-0.93901	13.326E-6
	21.00000	32.00000	99.56000	-0.34695	99.121	-0.0073029	-0.95943	13.612E-6
	22.00000	32.00000	99.56000	-0.34985	99.121	-0.0074465	-0.97217	13.791E-6
	23.00000	32.00000	99.56000	-0.35009	99.121	-0.0075011	-0.97692	13.858E-6
	24.00000	32.00000	99.56000	-0.34765	99.121	-0.0074653	-0.97352	13.810E-6
	25.00000	32.00000	99.56000	-0.34258	99.121	-0.0073387	-0.96205	13.649E-6
	26.00000	32.00000	99.56000	-0.33503	99.121	-0.0071229	-0.94278	13.379E-6
	27.00000	32.00000	99.56000	-0.32515	99.121	-0.0068225	-0.91624	13.006E-6
	28.00000	32.00000	99.56000	-0.31318	99.121	-0.0064459	-0.88317	12.543E-6
	29.00000	32.00000	99.56000	-0.29942	99.121	-0.0060063	-0.84455	12.001E-6
	30.00000	32.00000	99.56000	-0.28418	99.121	-0.0055206	-0.80153	11.397E-6
	31.00000	32.00000	99.56000	-0.26779	99.121	-0.0050080	-0.75538	10.750E-6
	32.00000	32.00000	99.56000	-0.25061	99.121	-0.0044883	-0.70737	10.075E-6
	33.00000	32.00000	99.56000	-0.23297	99.121	-0.0039792	-0.65870	9.3907E-6
	34.00000	32.00000	99.56000	-0.21518	99.121	-0.0034951	-0.61045	8.7112E-6
	35.00000	32.00000	99.56000	-0.19749	99.121	-0.0030462	-0.56349	8.0489E-6
	36.00000	32.00000	99.56000	-0.18015	99.121	-0.0026387	-0.51848	7.4132E-6
	37.00000	32.00000	99.56000	-0.16332	99.121	-0.0022750	-0.47590	6.8107E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	38.00000	32.00000	99.56000	-0.14716	99.121	-0.0019549	-0.43603	6.2458E-6
	39.00000	32.00000	99.56000	-0.13175	99.121	-0.0016762	-0.39902	5.7206E-6
	40.00000	32.00000	99.56000	-0.11717	99.121	-0.0014354	-0.36489	5.2355E-6
	41.00000	32.00000	99.56000	-0.10346	99.121	-0.0012288	-0.33359	4.7900E-6
	42.00000	32.00000	99.56000	-0.090632	99.121	-0.0010522	-0.30500	4.3826E-6
	43.00000	32.00000	99.56000	-0.078684	99.121	-901.75E-6	-0.27896	4.0110E-6
	44.00000	32.00000	99.56000	-0.067601	99.121	-773.77E-6	-0.25529	3.6730E-6
	45.00000	32.00000	99.56000	-0.057357	99.121	-665.02E-6	-0.23383	3.3661E-6
	46.00000	32.00000	99.56000	-0.047919	99.121	-572.62E-6	-0.21437	3.0876E-6
	47.00000	32.00000	99.56000	-0.039249	99.121	-494.07E-6	-0.19674	2.8351E-6
	48.00000	32.00000	99.56000	-0.031306	99.121	-427.23E-6	-0.18077	2.6061E-6
	49.00000	32.00000	99.56000	-0.024048	99.121	-370.29E-6	-0.16631	2.3986E-6
	50.00000	32.00000	99.56000	-0.017433	99.121	-321.70E-6	-0.15320	2.2103E-6
	0.00000	33.00000	99.56000	-0.048399	99.121	-451.96E-6	-0.19246	2.7747E-6
	1.00000	33.00000	99.56000	-0.057483	99.121	-524.06E-6	-0.20935	3.0169E-6
	2.00000	33.00000	99.56000	-0.067269	99.121	-608.77E-6	-0.22792	3.2828E-6
	3.00000	33.00000	99.56000	-0.077770	99.121	-708.25E-6	-0.24831	3.5744E-6
	4.00000	33.00000	99.56000	-0.088992	99.121	-824.89E-6	-0.27063	3.8936E-6
	5.00000	33.00000	99.56000	-0.10093	99.121	-961.29E-6	-0.29503	4.2418E-6
	6.00000	33.00000	99.56000	-0.11355	99.121	-0.0011202	-0.32159	4.6205E-6
	7.00000	33.00000	99.56000	-0.12683	99.121	-0.0013042	-0.35037	5.0304E-6
	8.00000	33.00000	99.56000	-0.14069	99.121	-0.0015158	-0.38138	5.4715E-6
	9.00000	33.00000	99.56000	-0.15504	99.121	-0.0017567	-0.41455	5.9425E-6
	10.00000	33.00000	99.56000	-0.16977	99.121	-0.0020276	-0.44971	6.4412E-6
	11.00000	33.00000	99.56000	-0.18473	99.121	-0.0023278	-0.48657	6.9634E-6
	12.00000	33.00000	99.56000	-0.19973	99.121	-0.0026544	-0.52473	7.5032E-6
	13.00000	33.00000	99.56000	-0.21456	99.121	-0.0030024	-0.56363	8.0529E-6
	14.00000	33.00000	99.56000	-0.22898	99.121	-0.0033640	-0.60258	8.6026E-6
	15.00000	33.00000	99.56000	-0.24273	99.121	-0.0037297	-0.64078	9.1414E-6
	16.00000	33.00000	99.56000	-0.25554	99.121	-0.0040879	-0.67735	9.6567E-6
	17.00000	33.00000	99.56000	-0.26714	99.121	-0.0044269	-0.71138	10.136E-6
	18.00000	33.00000	99.56000	-0.27729	99.121	-0.0047349	-0.74198	10.567E-6
	19.00000	33.00000	99.56000	-0.28574	99.121	-0.0050018	-0.76834	10.938E-6
	20.00000	33.00000	99.56000	-0.29231	99.121	-0.0052194	-0.78974	11.239E-6
	21.00000	33.00000	99.56000	-0.29684	99.121	-0.0053814	-0.80563	11.463E-6
	22.00000	33.00000	99.56000	-0.29923	99.121	-0.0054837	-0.81558	11.603E-6
	23.00000	33.00000	99.56000	-0.29942	99.121	-0.0055235	-0.81933	11.656E-6
	24.00000	33.00000	99.56000	-0.29741	99.121	-0.0054998	-0.81677	11.620E-6
	25.00000	33.00000	99.56000	-0.29325	99.121	-0.0054126	-0.80797	11.496E-6
	26.00000	33.00000	99.56000	-0.28703	99.121	-0.0052637	-0.79314	11.287E-6
	27.00000	33.00000	99.56000	-0.27889	99.121	-0.0050569	-0.77270	10.999E-6
	28.00000	33.00000	99.56000	-0.26902	99.121	-0.0047985	-0.74720	10.640E-6
	29.00000	33.00000	99.56000	-0.25764	99.121	-0.0044973	-0.71735	10.220E-6
	30.00000	33.00000	99.56000	-0.24500	99.121	-0.0041640	-0.68400	9.7500E-6
	31.00000	33.00000	99.56000	-0.23137	99.121	-0.0038107	-0.64805	9.2433E-6
	32.00000	33.00000	99.56000	-0.21702	99.121	-0.0034497	-0.61041	8.7126E-6
	33.00000	33.00000	99.56000	-0.20221	99.121	-0.0030924	-0.57196	8.1700E-6
	34.00000	33.00000	99.56000	-0.18718	99.121	-0.0027483	-0.53351	7.6267E-6
	35.00000	33.00000	99.56000	-0.17216	99.121	-0.0024245	-0.49573	7.0922E-6
	36.00000	33.00000	99.56000	-0.15734	99.121	-0.0021260	-0.45915	6.5741E-6
	37.00000	33.00000	99.56000	-0.14287	99.121	-0.0018552	-0.42419	6.0783E-6
	38.00000	33.00000	99.56000	-0.12888	99.121	-0.0016130	-0.39112	5.6086E-6
	39.00000	33.00000	99.56000	-0.11547	99.121	-0.0013987	-0.36010	5.1676E-6
	40.00000	33.00000	99.56000	-0.10271	99.121	-0.0012107	-0.33122	4.7564E-6
	41.00000	33.00000	99.56000	-0.090633	99.121	-0.0010470	-0.30448	4.3753E-6
	42.00000	33.00000	99.56000	-0.079277	99.121	-905.07E-6	-0.27983	4.0236E-6
	43.00000	33.00000	99.56000	-0.068647	99.121	-782.59E-6	-0.25719	3.7002E-6
	44.00000	33.00000	99.56000	-0.058741	99.121	-677.14E-6	-0.23646	3.4038E-6
	45.00000	33.00000	99.56000	-0.049544	99.121	-586.50E-6	-0.21751	3.1326E-6
	46.00000	33.00000	99.56000	-0.041037	99.121	-508.66E-6	-0.20021	2.8848E-6
	47.00000	33.00000	99.56000	-0.033193	99.121	-441.83E-6	-0.18444	2.6587E-6
	48.00000	33.00000	99.56000	-0.025982	99.121	-384.45E-6	-0.17006	2.4525E-6
	49.00000	33.00000	99.56000	-0.019372	99.121	-335.14E-6	-0.15696	2.2645E-6
	50.00000	33.00000	99.56000	-0.013329	99.121	-292.73E-6	-0.14503	2.0930E-6
	0.00000	34.00000	99.56000	-0.041085	99.121	-402.80E-6	-0.17990	2.5945E-6
	1.00000	34.00000	99.56000	-0.049228	99.121	-463.66E-6	-0.19493	2.8101E-6
	2.00000	34.00000	99.56000	-0.057964	99.121	-534.41E-6	-0.21134	3.0453E-6
	3.00000	34.00000	99.56000	-0.067299	99.121	-616.53E-6	-0.22921	3.3012E-6
	4.00000	34.00000	99.56000	-0.077230	99.121	-711.64E-6	-0.24865	3.5792E-6
	5.00000	34.00000	99.56000	-0.087741	99.121	-821.42E-6	-0.26971	3.8802E-6
	6.00000	34.00000	99.56000	-0.098804	99.121	-947.56E-6	-0.29244	4.2048E-6
	7.00000	34.00000	99.56000	-0.11038	99.121	-0.0010916	-0.31685	4.5530E-6
	8.00000	34.00000	99.56000	-0.12239	99.121	-0.0012548	-0.34292	4.9244E-6
	9.00000	34.00000	99.56000	-0.13477	99.121	-0.0014380	-0.37055	5.3175E-6
	10.00000	34.00000	99.56000	-0.14740	99.121	-0.0016410	-0.39956	5.7300E-6
	11.00000	34.00000	99.56000	-0.16016	99.121	-0.0018628	-0.42971	6.1581E-6
	12.00000	34.00000	99.56000	-0.17288	99.121	-0.0021011	-0.46065	6.5970E-6
	13.00000	34.00000	99.56000	-0.18540	99.121	-0.0023520	-0.49195	7.0404E-6
	14.00000	34.00000	99.56000	-0.19752	99.121	-0.0026105	-0.52307	7.4810E-6
	15.00000	34.00000	99.56000	-0.20902	99.121	-0.0028700	-0.55340	7.9102E-6
	16.00000	34.00000	99.56000	-0.21971	99.121	-0.0031231	-0.58231	8.3188E-6
	17.00000	34.00000	99.56000	-0.22936	99.121	-0.0033620	-0.60911	8.6976E-6
	18.00000	34.00000	99.56000	-0.23778	99.121	-0.0035792	-0.63316	9.0373E-6
	19.00000	34.00000	99.56000	-0.24478	99.121	-0.0037679	-0.65385	9.3295E-6
	20.00000	34.00000	99.56000	-0.25021	99.121	-0.0039223	-0.67065	9.5666E-6
	21.00000	34.00000	99.56000	-0.25396	99.121	-0.0040378	-0.68312	9.7427E-6
	22.00000	34.00000	99.56000	-0.25594	99.121	-0.0041113	-0.69095	9.8532E-6
	23.00000	34.00000	99.56000	-0.25609	99.121	-0.0041405	-0.69394	9.8953E-6
	24.00000	34.00000	99.56000	-0.25443	99.121	-0.0041247	-0.69200	9.8678E-6
	25.00000	34.00000	99.56000	-0.25099	99.121	-0.0040640	-0.68518	9.7714E-6
	26.00000	34.00000	99.56000	-0.24584	99.121	-0.0039600	-0.67366	9.6087E-6
	27.00000	34.00000	99.56000	-0.23909	99.121	-0.0038156	-0.65774	9.3839E-6
	28.00000	34.00000	99.56000	-0.23091	99.121	-0.0036353	-0.63785	9.1030E-6
	29.00000	34.00000	99.56000	-0.22145	99.121	-0.0034240	-0.61452	8.7734E-6
	30.00000	34.00000	99.56000	-0.21091	99.121	-0.0031916	-0.58835	8.4036E-6
	31.00000	34.00000	99.56000	-0.19951	99.121	-0.0029431	-0.56001	8.0030E-6
	32.00000	34.00000	99.56000	-0.18746	99.121	-0.0026875	-0.53018	7.5809E-6
	33.00000	34.00000	99.56000	-0.17497	99.121	-0.0024322	-0.49950	7.1465E-6
	34.00000	34.00000	99.56000	-0.16224	99.121	-0.0021835	-0.46858	6.7084E-6
	35.00000	34.00000	99.56000	-0.14944	99.121	-0.0019466	-0.43793	6.2738E-6
	36.00000	34.00000	99.56000	-0.13674	99.121	-0.0017253	-0.40801	5.8489E-6
	37.00000	34.00000	99.56000	-0.12428	99.121	-0.0015216	-0.37914	5.4386E-6
	38.00000	34.00000	99.56000	-0.11217	99.121	-0.0013369	-0.35158	5.0465E-6
	39.00000	34.00000	99.56000	-0.10049	99.121	-0.0011711	-0.32549	4.6750E-6
	40.00000	34.00000	99.56000	-0.089321	99.121	-0.0010236	-0.30099	4.3256E-6
	41.00000	34.00000	99.56000	-0.078698	99.121	-893.48E-6	-0.27810	3.9990E-6
	42.00000	34.00000	99.56000	-0.068657	99.121	-779.25E-6	-0.25683	3.6952E-6
	43.00000	34.00000	99.56000	-0.059215	99.121	-679.44E-6	-0.23714	3.4136E-6
	44.00000	34.00000	99.56000	-0.050377	99.121	-592.51E-6	-0.21898	3.1536E-6
	45.00000	34.00000	99.56000	-0.042138	99.121	-516.99E-6	-0.20225	2.9141E-6
	46.00000	34.00000	99.56000	-0.034488	99.121	-451.47E-6	-0.18689	2.6938E-6
	47.00000	34.00000	99.56000	-0.027409	99.121	-394.70E-6	-0.17279	2.4916E-6
	48.00000	34.00000	99.56000	-0.020880	99.121	-345.51E-6	-0.15986	2.3060E-6
	49.00000	34.00000	99.56000	-0.014877	99.121	-302.90E-6	-0.14802	2.1359E-6
	50.00000	34.00000	99.56000	-0.0093738	99.121	-265.96E-6	-0.13717	1.9801E-6
	0.00000	35.00000	99.56000	-0.034187	99.121	-358.73E-6	-0.16810	2.4251E-6
	1.00000	35.00000	99.56000	-0.041471	99.121	-410.09E-6	-0.18147	2.6169E-6
	2.00000	35.00000	99.56000	-0.049257	99.121	-469.18E-6	-0.19596	2.8248E-6
	3.00000	35.00000	99.56000	-0.057544	99.121	-537.03E-6	-0.21164	3.0496E-6
	4.00000	35.00000	99.56000	-0.066322	99.121	-614.73E-6	-0.22857	3.2920E-6
	5.00000	35.00000	99.56000	-0.075573	99.121	-703.36E-6	-0.24678	3.5525E-6
	6.00000	35.00000	99.56000	-0.085265	99.121	-803.93E-6	-0.26628	3.8312E-6
	7.00000	35.00000	99.56000	-0.095354	99.121	-917.33E-6	-0.28705	4.1279E-6
	8.00000	35.00000	99.56000	-0.10578	99.121	-0.0010442	-0.30905	4.4418E-6
	9.00000	35.00000	99.56000	-0.11647	99.121	-0.0011846	-0.33217	4.7714E-6
	10.00000	35.00000	99.56000	-0.12732	99.121	-0.0013384	-0.35626	5.1144E-6
	11.00000	35.00000	99.56000	-0.13822	99.121	-0.0015044	-0.38109	5.4677E-6
	12.00000	35.00000	99.56000	-0.14905	99.121	-0.0016808	-0.40638	5.8273E-6
	13.00000	35.00000	99.56000	-0.15966	99.121	-0.0018648	-0.43178	6.1880E-6
	14.00000	35.00000	99.56000	-0.16988	99.121	-0.0020527	-0.45688	6.5443E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	15.00000	35.00000	99.56000	-0.17956	99.121	-0.0022401	-0.48122	6.8895E-6
	16.00000	35.00000	99.56000	-0.18851	99.121	-0.0024220	-0.50430	7.2167E-6
	17.00000	35.00000	99.56000	-0.19658	99.121	-0.0025934	-0.52563	7.5190E-6
	18.00000	35.00000	99.56000	-0.20360	99.121	-0.0027491	-0.54473	7.7894E-6
	19.00000	35.00000	99.56000	-0.20943	99.121	-0.0028845	-0.56112	8.0216E-6
	20.00000	35.00000	99.56000	-0.21395	99.121	-0.0029954	-0.57443	8.2100E-6
	21.00000	35.00000	99.56000	-0.21706	99.121	-0.0030787	-0.58431	8.3499E-6
	22.00000	35.00000	99.56000	-0.21870	99.121	-0.0031320	-0.59053	8.4378E-6
	23.00000	35.00000	99.56000	-0.21883	99.121	-0.0031536	-0.59293	8.4717E-6
	24.00000	35.00000	99.56000	-0.21745	99.121	-0.0031430	-0.59144	8.4506E-6
	25.00000	35.00000	99.56000	-0.21459	99.121	-0.0031003	-0.58611	8.3750E-6
	26.00000	35.00000	99.56000	-0.21031	99.121	-0.0030268	-0.57707	8.2470E-6
	27.00000	35.00000	99.56000	-0.20469	99.121	-0.0029245	-0.56456	8.0697E-6
	28.00000	35.00000	99.56000	-0.19786	99.121	-0.0027966	-0.54888	7.8477E-6
	29.00000	35.00000	99.56000	-0.18996	99.121	-0.0026472	-0.53044	7.5865E-6
	30.00000	35.00000	99.56000	-0.18113	99.121	-0.0024810	-0.50969	7.2925E-6
	31.00000	35.00000	99.56000	-0.17155	99.121	-0.0023032	-0.48712	6.9725E-6
	32.00000	35.00000	99.56000	-0.16139	99.121	-0.0021190	-0.46324	6.6337E-6
	33.00000	35.00000	99.56000	-0.15082	99.121	-0.0019336	-0.43853	6.2830E-6
	34.00000	35.00000	99.56000	-0.13999	99.121	-0.0017513	-0.41345	5.9268E-6
	35.00000	35.00000	99.56000	-0.12906	99.121	-0.0015757	-0.38841	5.5709E-6
	36.00000	35.00000	99.56000	-0.11817	99.121	-0.0014097	-0.36377	5.2203E-6
	37.00000	35.00000	99.56000	-0.10742	99.121	-0.0012552	-0.33980	4.8791E-6
	38.00000	35.00000	99.56000	-0.096924	99.121	-0.0011131	-0.31673	4.5503E-6
	39.00000	35.00000	99.56000	-0.086754	99.121	-984.06E-6	-0.29472	4.2363E-6
	40.00000	35.00000	99.56000	-0.076975	99.121	-867.85E-6	-0.27387	3.9386E-6
	41.00000	35.00000	99.56000	-0.067634	99.121	-764.02E-6	-0.25424	3.6582E-6
	42.00000	35.00000	99.56000	-0.058765	99.121	-671.81E-6	-0.23586	3.3954E-6
	43.00000	35.00000	99.56000	-0.050390	99.121	-590.33E-6	-0.21872	3.1501E-6
	44.00000	35.00000	99.56000	-0.042518	99.121	-518.62E-6	-0.20280	2.9219E-6
	45.00000	35.00000	99.56000	-0.035152	99.121	-455.67E-6	-0.18804	2.7104E-6
	46.00000	35.00000	99.56000	-0.028287	99.121	-400.55E-6	-0.17439	2.5146E-6
	47.00000	35.00000	99.56000	-0.021914	99.121	-352.34E-6	-0.16179	2.3338E-6
	48.00000	35.00000	99.56000	-0.016018	99.121	-310.23E-6	-0.15018	2.1671E-6
	49.00000	35.00000	99.56000	-0.010581	99.121	-273.45E-6	-0.13949	2.0133E-6
	50.00000	35.00000	99.56000	-0.0055844	99.121	-241.34E-6	-0.12964	1.8718E-6
	0.00000	36.00000	99.56000	-0.027710	99.121	-319.38E-6	-0.15704	2.2662E-6
	1.00000	36.00000	99.56000	-0.034214	99.121	-362.72E-6	-0.16892	2.4369E-6
	2.00000	36.00000	99.56000	-0.041142	99.121	-412.11E-6	-0.18173	2.6207E-6
	3.00000	36.00000	99.56000	-0.048488	99.121	-468.26E-6	-0.19550	2.8182E-6
	4.00000	36.00000	99.56000	-0.056241	99.121	-531.89E-6	-0.21027	3.0298E-6
	5.00000	36.00000	99.56000	-0.064377	99.121	-603.67E-6	-0.22604	3.2556E-6
	6.00000	36.00000	99.56000	-0.072866	99.121	-684.22E-6	-0.24280	3.4956E-6
	7.00000	36.00000	99.56000	-0.081664	99.121	-774.01E-6	-0.26054	3.7492E-6
	8.00000	36.00000	99.56000	-0.090716	99.121	-873.28E-6	-0.27918	4.0155E-6
	9.00000	36.00000	99.56000	-0.099953	99.121	-981.97E-6	-0.29862	4.2931E-6
	10.00000	36.00000	99.56000	-0.10929	99.121	-0.0010996	-0.31873	4.5799E-6
	11.00000	36.00000	99.56000	-0.11864	99.121	-0.0012254	-0.33931	4.8732E-6
	12.00000	36.00000	99.56000	-0.12788	99.121	-0.0013576	-0.36013	5.1698E-6
	13.00000	36.00000	99.56000	-0.13689	99.121	-0.0014944	-0.38091	5.4656E-6
	14.00000	36.00000	99.56000	-0.14555	99.121	-0.0016330	-0.40133	5.7560E-6
	15.00000	36.00000	99.56000	-0.15372	99.121	-0.0017705	-0.42103	6.0360E-6
	16.00000	36.00000	99.56000	-0.16125	99.121	-0.0019034	-0.43964	6.3004E-6
	17.00000	36.00000	99.56000	-0.16803	99.121	-0.0020282	-0.45678	6.5439E-6
	18.00000	36.00000	99.56000	-0.17391	99.121	-0.0021414	-0.47208	6.7611E-6
	19.00000	36.00000	99.56000	-0.17878	99.121	-0.0022398	-0.48520	6.9473E-6
	20.00000	36.00000	99.56000	-0.18256	99.121	-0.0023205	-0.49583	7.0982E-6
	21.00000	36.00000	99.56000	-0.18516	99.121	-0.0023813	-0.50373	7.2102E-6
	22.00000	36.00000	99.56000	-0.18653	99.121	-0.0024203	-0.50871	7.2808E-6
	23.00000	36.00000	99.56000	-0.18664	99.121	-0.0024365	-0.51065	7.3083E-6
	24.00000	36.00000	99.56000	-0.18549	99.121	-0.0024293	-0.50950	7.2919E-6
	25.00000	36.00000	99.56000	-0.18310	99.121	-0.0023989	-0.50530	7.2322E-6
	26.00000	36.00000	99.56000	-0.17952	99.121	-0.0023462	-0.49814	7.1306E-6
	27.00000	36.00000	99.56000	-0.17482	99.121	-0.0022728	-0.48820	6.9895E-6
	28.00000	36.00000	99.56000	-0.16910	99.121	-0.0021808	-0.47573	6.8124E-6
	29.00000	36.00000	99.56000	-0.16246	99.121	-0.0020731	-0.46102	6.6034E-6
	30.00000	36.00000	99.56000	-0.15504	99.121	-0.0019528	-0.44440	6.3674E-6
	31.00000	36.00000	99.56000	-0.14696	99.121	-0.0018236	-0.42626	6.1096E-6
	32.00000	36.00000	99.56000	-0.13836	99.121	-0.0016890	-0.40696	5.8353E-6
	33.00000	36.00000	99.56000	-0.12938	99.121	-0.0015524	-0.38689	5.5498E-6
	34.00000	36.00000	99.56000	-0.12015	99.121	-0.0014169	-0.36639	5.2581E-6
	35.00000	36.00000	99.56000	-0.11079	99.121	-0.0012853	-0.34579	4.9648E-6
	36.00000	36.00000	99.56000	-0.10143	99.121	-0.0011595	-0.32538	4.6738E-6
	37.00000	36.00000	99.56000	-0.092146	99.121	-0.0010411	-0.30537	4.3885E-6
	38.00000	36.00000	99.56000	-0.083039	99.121	-931.09E-6	-0.28598	4.1117E-6
	39.00000	36.00000	99.56000	-0.074178	99.121	-829.98E-6	-0.26733	3.8454E-6
	40.00000	36.00000	99.56000	-0.065620	99.121	-737.93E-6	-0.24954	3.5911E-6
	41.00000	36.00000	99.56000	-0.057412	99.121	-654.76E-6	-0.23268	3.3498E-6
	42.00000	36.00000	99.56000	-0.049586	99.121	-580.12E-6	-0.21677	3.1221E-6
	43.00000	36.00000	99.56000	-0.042165	99.121	-513.47E-6	-0.20183	2.9081E-6
	44.00000	36.00000	99.56000	-0.035165	99.121	-454.22E-6	-0.18786	2.7078E-6
	45.00000	36.00000	99.56000	-0.028591	99.121	-401.72E-6	-0.17483	2.5210E-6
	46.00000	36.00000	99.56000	-0.022445	99.121	-355.33E-6	-0.16271	2.3470E-6
	47.00000	36.00000	99.56000	-0.016720	99.121	-314.42E-6	-0.15146	2.1854E-6
	48.00000	36.00000	99.56000	-0.011408	99.121	-278.38E-6	-0.14103	2.0356E-6
	49.00000	36.00000	99.56000	-0.0064974	99.121	-246.67E-6	-0.13138	1.8968E-6
	50.00000	36.00000	99.56000	-0.0019730	99.121	-218.79E-6	-0.12245	1.7683E-6
	0.00000	37.00000	99.56000	-0.021653	99.121	-284.34E-6	-0.14670	2.1176E-6
	1.00000	37.00000	99.56000	-0.027450	99.121	-320.93E-6	-0.15727	2.2695E-6
	2.00000	37.00000	99.56000	-0.033605	99.121	-362.26E-6	-0.16860	2.4322E-6
	3.00000	37.00000	99.56000	-0.040111	99.121	-408.81E-6	-0.18070	2.6059E-6
	4.00000	37.00000	99.56000	-0.046951	99.121	-461.05E-6	-0.19360	2.7908E-6
	5.00000	37.00000	99.56000	-0.054103	99.121	-519.40E-6	-0.20728	2.9870E-6
	6.00000	37.00000	99.56000	-0.061536	99.121	-584.21E-6	-0.22174	3.1940E-6
	7.00000	37.00000	99.56000	-0.069210	99.121	-655.71E-6	-0.23692	3.4114E-6
	8.00000	37.00000	99.56000	-0.077074	99.121	-733.94E-6	-0.25277	3.6382E-6
	9.00000	37.00000	99.56000	-0.085067	99.121	-818.73E-6	-0.26920	3.8730E-6
	10.00000	37.00000	99.56000	-0.093116	99.121	-909.63E-6	-0.28607	4.1140E-6
	11.00000	37.00000	99.56000	-0.10114	99.121	-0.0010058	-0.30323	4.3590E-6
	12.00000	37.00000	99.56000	-0.10904	99.121	-0.0011062	-0.32049	4.6052E-6
	13.00000	37.00000	99.56000	-0.11673	99.121	-0.0012091	-0.33762	4.8494E-6
	14.00000	37.00000	99.56000	-0.12408	99.121	-0.0013128	-0.35436	5.0879E-6
	15.00000	37.00000	99.56000	-0.13100	99.121	-0.0014150	-0.37044	5.3169E-6
	16.00000	37.00000	99.56000	-0.13737	99.121	-0.0015134	-0.38557	5.5323E-6
	17.00000	37.00000	99.56000	-0.14307	99.121	-0.0016056	-0.39946	5.7300E-6
	18.00000	37.00000	99.56000	-0.14802	99.121	-0.0016890	-0.41183	5.9060E-6
	19.00000	37.00000	99.56000	-0.15212	99.121	-0.0017614	-0.42241	6.0565E-6
	20.00000	37.00000	99.56000	-0.15529	99.121	-0.0018209	-0.43099	6.1784E-6
	21.00000	37.00000	99.56000	-0.15747	99.121	-0.0018657	-0.43735	6.2689E-6
	22.00000	37.00000	99.56000	-0.15862	99.121	-0.0018946	-0.44137	6.3260E-6
	23.00000	37.00000	99.56000	-0.15871	99.121	-0.0019068	-0.44295	6.3484E-6
	24.00000	37.00000	99.56000	-0.15774	99.121	-0.0019019	-0.44206	6.3357E-6
	25.00000	37.00000	99.56000	-0.15574	99.121	-0.0018800	-0.43871	6.2880E-6
	26.00000	37.00000	99.56000	-0.15273	99.121	-0.0018418	-0.43299	6.2066E-6
	27.00000	37.00000	99.56000	-0.14879	99.121	-0.0017884	-0.42503	6.0934E-6
	28.00000	37.00000	99.56000	-0.14397	99.121	-0.0017214	-0.41502	5.9509E-6
	29.00000	37.00000	99.56000	-0.13838	99.121	-0.0016426	-0.40317	5.7823E-6
	30.00000	37.00000	99.56000	-0.13211	99.121	-0.0015544	-0.38975	5.5913E-6
	31.00000	37.00000	99.56000	-0.12527	99.121	-0.0014591	-0.37504	5.3818E-6
	32.00000	37.00000	99.56000	-0.11797	99.121	-0.0013594	-0.35932	5.1579E-6
	33.00000	37.00000	99.56000	-0.11032	99.121	-0.0012575	-0.34289	4.9238E-6
	34.00000	37.00000	99.56000	-0.10243	99.121	-0.0011557	-0.32602	4.6833E-6
	35.00000	37.00000	99.56000	-0.094409	99.121	-0.0010559	-0.30896	4.4400E-6
	36.00000	37.00000	99.56000	-0.086342	99.121	-959.64E-6	-0.29195	4.1971E-6
	37.00000	37.00000	99.56000	-0.078320	99.121	-868.18E-6	-0.27517	3.9576E-6
	38.00000	37.00000	99.56000	-0.070415	99.121	-782.34E-6	-0.25880	3.7235E-6
	39.00000	37.00000	99.56000	-0.062693	99.121	-702.66E-6	-0.24295	3.4969E-6
	40.00000	37.00000	99.56000	-0.055206	99.121	-629.36E-6	-0.22772	3.2790E-6
	41.00000	37.00000	99.56000	-0.047995	99.121	-562.48E-6	-0.21319	3.0709E-6
	42.00000	37.00000	99.56000	-0.041095	99.121	-501.86E-6	-0.19939	2.8732E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	43.00000	37.00000	99.56000	-0.034529	99.121	-447.21E-6	-0.18636	2.6863E-6
	44.00000	37.00000	99.56000	-0.028313	99.121	-398.17E-6	-0.17409	2.5103E-6
	45.00000	37.00000	99.56000	-0.022457	99.121	-354.34E-6	-0.16258	2.3452E-6
	46.00000	37.00000	99.56000	-0.016963	99.121	-315.28E-6	-0.15182	2.1906E-6
	47.00000	37.00000	99.56000	-0.011833	99.121	-280.55E-6	-0.14177	2.0462E-6
	48.00000	37.00000	99.56000	-0.0070589	99.121	-249.72E-6	-0.13241	1.9116E-6
	49.00000	37.00000	99.56000	-0.0026345	99.121	-222.40E-6	-0.12370	1.7863E-6
	50.00000	37.00000	99.56000	0.0014512	99.121	-198.20E-6	-0.11560	1.6699E-6
	0.00000	38.00000	99.56000	-0.016011	99.121	-253.20E-6	-0.13706	1.9790E-6
	1.00000	38.00000	99.56000	-0.021169	99.121	-284.13E-6	-0.14646	2.1142E-6
	2.00000	38.00000	99.56000	-0.026630	99.121	-318.77E-6	-0.15648	2.2582E-6
	3.00000	38.00000	99.56000	-0.032384	99.121	-357.44E-6	-0.16714	2.4112E-6
	4.00000	38.00000	99.56000	-0.038413	99.121	-400.46E-6	-0.17842	2.5731E-6
	5.00000	38.00000	99.56000	-0.044696	99.121	-448.06E-6	-0.19032	2.7438E-6
	6.00000	38.00000	99.56000	-0.051204	99.121	-500.45E-6	-0.20281	2.9229E-6
	7.00000	38.00000	99.56000	-0.057898	99.121	-557.70E-6	-0.21586	3.1098E-6
	8.00000	38.00000	99.56000	-0.064734	99.121	-619.76E-6	-0.22939	3.3036E-6
	9.00000	38.00000	99.56000	-0.071656	99.121	-686.41E-6	-0.24333	3.5031E-6
	10.00000	38.00000	99.56000	-0.078603	99.121	-757.23E-6	-0.25756	3.7066E-6
	11.00000	38.00000	99.56000	-0.085502	99.121	-831.55E-6	-0.27195	3.9123E-6
	12.00000	38.00000	99.56000	-0.092277	99.121	-908.48E-6	-0.28634	4.1179E-6
	13.00000	38.00000	99.56000	-0.098842	99.121	-986.86E-6	-0.30055	4.3208E-6
	14.00000	38.00000	99.56000	-0.10511	99.121	-0.0010653	-0.31437	4.5181E-6
	15.00000	38.00000	99.56000	-0.11098	99.121	-0.0011423	-0.32760	4.7068E-6
	16.00000	38.00000	99.56000	-0.11638	99.121	-0.0012161	-0.33999	4.8836E-6
	17.00000	38.00000	99.56000	-0.12121	99.121	-0.0012850	-0.35134	5.0453E-6
	18.00000	38.00000	99.56000	-0.12539	99.121	-0.0013472	-0.36142	5.1890E-6
	19.00000	38.00000	99.56000	-0.12884	99.121	-0.0014012	-0.37003	5.3117E-6
	20.00000	38.00000	99.56000	-0.13151	99.121	-0.0014455	-0.37700	5.4109E-6
	21.00000	38.00000	99.56000	-0.13335	99.121	-0.0014789	-0.38217	5.4846E-6
	22.00000	38.00000	99.56000	-0.13431	99.121	-0.0015005	-0.38545	5.5311E-6
	23.00000	38.00000	99.56000	-0.13439	99.121	-0.0015098	-0.38674	5.5496E-6
	24.00000	38.00000	99.56000	-0.13357	99.121	-0.0015064	-0.38604	5.5395E-6
	25.00000	38.00000	99.56000	-0.13189	99.121	-0.0014905	-0.38335	5.5012E-6
	26.00000	38.00000	99.56000	-0.12936	99.121	-0.0014625	-0.37875	5.4355E-6
	27.00000	38.00000	99.56000	-0.12603	99.121	-0.0014232	-0.37232	5.3439E-6
	28.00000	38.00000	99.56000	-0.12197	99.121	-0.0013737	-0.36420	5.2283E-6
	29.00000	38.00000	99.56000	-0.11724	99.121	-0.0013154	-0.35459	5.0911E-6
	30.00000	38.00000	99.56000	-0.11193	99.121	-0.0012498	-0.34366	4.9353E-6
	31.00000	38.00000	99.56000	-0.10612	99.121	-0.0011787	-0.33163	4.7638E-6
	32.00000	38.00000	99.56000	-0.099903	99.121	-0.0011039	-0.31873	4.5797E-6
	33.00000	38.00000	99.56000	-0.093372	99.121	-0.0010270	-0.30518	4.3864E-6
	34.00000	38.00000	99.56000	-0.086615	99.121	-949.64E-6	-0.29121	4.1868E-6
	35.00000	38.00000	99.56000	-0.079719	99.121	-873.22E-6	-0.27700	3.9838E-6
	36.00000	38.00000	99.56000	-0.072764	99.121	-798.93E-6	-0.26274	3.7801E-6
	37.00000	38.00000	99.56000	-0.065821	99.121	-727.71E-6	-0.24861	3.5780E-6
	38.00000	38.00000	99.56000	-0.058956	99.121	-660.27E-6	-0.23472	3.3793E-6
	39.00000	38.00000	99.56000	-0.052225	99.121	-597.09E-6	-0.22120	3.1857E-6
	40.00000	38.00000	99.56000	-0.045675	99.121	-538.44E-6	-0.20813	2.9985E-6
	41.00000	38.00000	99.56000	-0.039345	99.121	-484.43E-6	-0.19558	2.8186E-6
	42.00000	38.00000	99.56000	-0.033267	99.121	-435.02E-6	-0.18359	2.6467E-6
	43.00000	38.00000	99.56000	-0.027463	99.121	-390.09E-6	-0.17220	2.4832E-6
	44.00000	38.00000	99.56000	-0.021951	99.121	-349.43E-6	-0.16141	2.3284E-6
	45.00000	38.00000	99.56000	-0.016742	99.121	-312.79E-6	-0.15124	2.1823E-6
	46.00000	38.00000	99.56000	-0.011843	99.121	-279.86E-6	-0.14167	2.0448E-6
	47.00000	38.00000	99.56000	-0.0072537	99.121	-250.36E-6	-0.13270	1.9158E-6
	48.00000	38.00000	99.56000	-0.0029736	99.121	-223.99E-6	-0.12429	1.7949E-6
	49.00000	38.00000	99.56000	0.0010025	99.121	-200.45E-6	-0.11644	1.6819E-6
	50.00000	38.00000	99.56000	0.0046020	99.121	-179.46E-6	-0.10910	1.5763E-6
	0.00000	39.00000	99.56000	-0.010775	99.121	-225.59E-6	-0.12808	1.8498E-6
	1.00000	39.00000	99.56000	-0.015357	99.121	-251.76E-6	-0.13645	1.9702E-6
	2.00000	39.00000	99.56000	-0.020195	99.121	-280.83E-6	-0.14533	2.0979E-6
	3.00000	39.00000	99.56000	-0.025277	99.121	-313.04E-6	-0.15471	2.2327E-6
	4.00000	39.00000	99.56000	-0.030587	99.121	-348.57E-6	-0.16460	2.3747E-6
	5.00000	39.00000	99.56000	-0.036104	99.121	-387.55E-6	-0.17497	2.5236E-6
	6.00000	39.00000	99.56000	-0.041799	99.121	-430.09E-6	-0.18580	2.6790E-6
	7.00000	39.00000	99.56000	-0.047640	99.121	-476.18E-6	-0.19704	2.8402E-6
	8.00000	39.00000	99.56000	-0.053583	99.121	-525.72E-6	-0.20864	3.0064E-6
	9.00000	39.00000	99.56000	-0.059583	99.121	-578.49E-6	-0.22051	3.1765E-6
	10.00000	39.00000	99.56000	-0.065584	99.121	-634.12E-6	-0.23257	3.3492E-6
	11.00000	39.00000	99.56000	-0.071526	99.121	-692.06E-6	-0.24470	3.5228E-6
	12.00000	39.00000	99.56000	-0.077343	99.121	-751.61E-6	-0.25677	3.6955E-6
	13.00000	39.00000	99.56000	-0.082964	99.121	-811.91E-6	-0.26863	3.8651E-6
	14.00000	39.00000	99.56000	-0.088315	99.121	-871.92E-6	-0.28013	4.0293E-6
	15.00000	39.00000	99.56000	-0.093322	99.121	-930.52E-6	-0.29108	4.1858E-6
	16.00000	39.00000	99.56000	-0.097909	99.121	-986.48E-6	-0.30131	4.3319E-6
	17.00000	39.00000	99.56000	-0.10201	99.121	-0.0010386	-0.31065	4.4652E-6
	18.00000	39.00000	99.56000	-0.10555	99.121	-0.0010855	-0.31893	4.5834E-6
	19.00000	39.00000	99.56000	-0.10847	99.121	-0.0011262	-0.32599	4.6841E-6
	20.00000	39.00000	99.56000	-0.11072	99.121	-0.0011595	-0.33169	4.7655E-6
	21.00000	39.00000	99.56000	-0.11227	99.121	-0.0011847	-0.33593	4.8259E-6
	22.00000	39.00000	99.56000	-0.11309	99.121	-0.0012011	-0.33861	4.8641E-6
	23.00000	39.00000	99.56000	-0.11315	99.121	-0.0012082	-0.33968	4.8794E-6
	24.00000	39.00000	99.56000	-0.11246	99.121	-0.0012058	-0.33912	4.8714E-6
	25.00000	39.00000	99.56000	-0.11104	99.121	-0.0011941	-0.33695	4.8403E-6
	26.00000	39.00000	99.56000	-0.10890	99.121	-0.0011733	-0.33321	4.7869E-6
	27.00000	39.00000	99.56000	-0.10609	99.121	-0.0011441	-0.32797	4.7121E-6
	28.00000	39.00000	99.56000	-0.10265	99.121	-0.0011071	-0.32135	4.6176E-6
	29.00000	39.00000	99.56000	-0.098637	99.121	-0.0010634	-0.31348	4.5053E-6
	30.00000	39.00000	99.56000	-0.094124	99.121	-0.0010142	-0.30451	4.3772E-6
	31.00000	39.00000	99.56000	-0.089177	99.121	-960.53E-6	-0.29461	4.2358E-6
	32.00000	39.00000	99.56000	-0.083872	99.121	-903.77E-6	-0.28395	4.0835E-6
	33.00000	39.00000	99.56000	-0.078284	99.121	-845.12E-6	-0.27271	3.9228E-6
	34.00000	39.00000	99.56000	-0.072487	99.121	-785.75E-6	-0.26105	3.7562E-6
	35.00000	39.00000	99.56000	-0.066552	99.121	-726.70E-6	-0.24915	3.5859E-6
	36.00000	39.00000	99.56000	-0.060547	99.121	-668.86E-6	-0.23715	3.4142E-6
	37.00000	39.00000	99.56000	-0.054534	99.121	-612.99E-6	-0.22518	3.2428E-6
	38.00000	39.00000	99.56000	-0.048569	99.121	-559.65E-6	-0.21336	3.0735E-6
	39.00000	39.00000	99.56000	-0.042701	99.121	-509.26E-6	-0.20178	2.9076E-6
	40.00000	39.00000	99.56000	-0.036972	99.121	-462.09E-6	-0.19053	2.7462E-6
	41.00000	39.00000	99.56000	-0.031419	99.121	-418.29E-6	-0.17966	2.5904E-6
	42.00000	39.00000	99.56000	-0.026068	99.121	-377.89E-6	-0.16922	2.4406E-6
	43.00000	39.00000	99.56000	-0.020945	99.121	-340.85E-6	-0.15925	2.2973E-6
	44.00000	39.00000	99.56000	-0.016064	99.121	-307.06E-6	-0.14975	2.1610E-6
	45.00000	39.00000	99.56000	-0.011439	99.121	-276.36E-6	-0.14075	2.0316E-6
	46.00000	39.00000	99.56000	-0.0070770	99.121	-248.58E-6	-0.13224	1.9093E-6
	47.00000	39.00000	99.56000	-0.0029815	99.121	-223.51E-6	-0.12422	1.7939E-6
	48.00000	39.00000	99.56000	847.27E-6	99.121	-200.93E-6	-0.11668	1.6853E-6
	49.00000	39.00000	99.56000	0.0044116	99.121	-180.65E-6	-0.10959	1.5834E-6
	50.00000	39.00000	99.56000	0.0077164	99.121	-162.46E-6	-0.10295	1.4877E-6
	0.00000	40.00000	99.56000	-0.0059318	99.121	-201.12E-6	-0.11973	1.7296E-6
	1.00000	40.00000	99.56000	-0.0099955	99.121	-223.29E-6	-0.12719	1.8370E-6
	2.00000	40.00000	99.56000	-0.014275	99.121	-247.75E-6	-0.13506	1.9502E-6
	3.00000	40.00000	99.56000	-0.018759	99.121	-274.64E-6	-0.14334	2.0693E-6
	4.00000	40.00000	99.56000	-0.023432	99.121	-304.07E-6	-0.15202	2.1940E-6
	5.00000	40.00000	99.56000	-0.028272	99.121	-336.12E-6	-0.16108	2.3242E-6
	6.00000	40.00000	99.56000	-0.033255	99.121	-370.81E-6	-0.17049	2.4593E-6
	7.00000	40.00000	99.56000	-0.038349	99.121	-408.11E-6	-0.18020	2.5987E-6
	8.00000	40.00000	99.56000	-0.043519	99.121	-447.90E-6	-0.19018	2.7418E-6
	9.00000	40.00000	99.56000	-0.048722	99.121	-489.97E-6	-0.20033	2.8874E-6
	10.00000	40.00000	99.56000	-0.053911	99.121	-533.99E-6	-0.21060	3.0346E-6
	11.00000	40.00000	99.56000	-0.059035	99.121	-579.53E-6	-0.22088	3.1818E-6
	12.00000	40.00000	99.56000	-0.064037	99.121	-626.04E-6	-0.23106	3.3276E-6
	13.00000	40.00000	99.56000	-0.068858	99.121	-672.86E-6	-0.24102	3.4701E-6
	14.00000	40.00000	99.56000	-0.073437	99.121	-719.23E-6	-0.25063	3.6077E-6
	15.00000	40.00000	99.56000	-0.077712	99.121	-764.30E-6	-0.25976	3.7382E-6
	16.00000	40.00000	99.56000	-0.081621	99.121	-807.18E-6	-0.26826	3.8598E-6
	17.00000	40.00000	99.56000	-0.085106	99.121	-846.96E-6	-0.27600	3.9705E-6
	18.00000	40.00000	99.56000	-0.088113	99.121	-882.75E-6	-0.28284	4.0683E-6
	19.00000	40.00000	99.56000	-0.090592	99.121	-913.70E-6	-0.28867	4.1516E-6

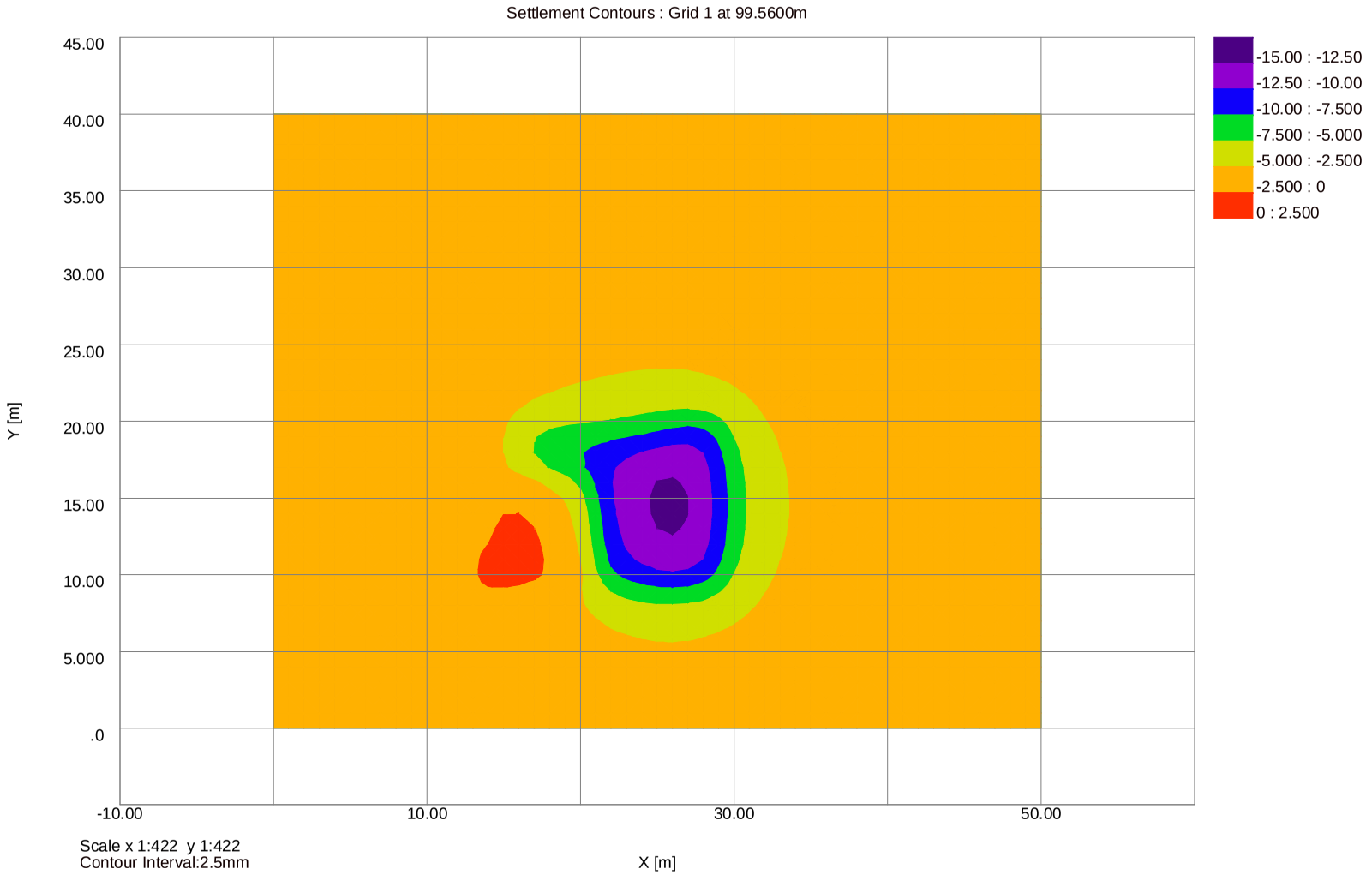
Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	20.00000	40.00000	99.56000	-0.092504	99.121	-939.08E-6	-0.29338	4.2188E-6
	21.00000	40.00000	99.56000	-0.093816	99.121	-958.26E-6	-0.29687	4.2687E-6
	22.00000	40.00000	99.56000	-0.094505	99.121	-970.75E-6	-0.29908	4.3003E-6
	23.00000	40.00000	99.56000	-0.094560	99.121	-976.24E-6	-0.29997	4.3130E-6
	24.00000	40.00000	99.56000	-0.093979	99.121	-974.60E-6	-0.29953	4.3066E-6
	25.00000	40.00000	99.56000	-0.092772	99.121	-965.88E-6	-0.29776	4.2812E-6
	26.00000	40.00000	99.56000	-0.090960	99.121	-950.30E-6	-0.29469	4.2374E-6
	27.00000	40.00000	99.56000	-0.088573	99.121	-928.29E-6	-0.29040	4.1760E-6
	28.00000	40.00000	99.56000	-0.085651	99.121	-900.39E-6	-0.28496	4.0982E-6
	29.00000	40.00000	99.56000	-0.082241	99.121	-867.33E-6	-0.27847	4.0055E-6
	30.00000	40.00000	99.56000	-0.078397	99.121	-829.90E-6	-0.27106	3.8995E-6
	31.00000	40.00000	99.56000	-0.074175	99.121	-788.99E-6	-0.26285	3.7821E-6
	32.00000	40.00000	99.56000	-0.069638	99.121	-745.50E-6	-0.25398	3.6553E-6
	33.00000	40.00000	99.56000	-0.064848	99.121	-700.34E-6	-0.24460	3.5209E-6
	34.00000	40.00000	99.56000	-0.059865	99.121	-654.35E-6	-0.23483	3.3811E-6
	35.00000	40.00000	99.56000	-0.054751	99.121	-608.33E-6	-0.22480	3.2375E-6
	36.00000	40.00000	99.56000	-0.049562	99.121	-562.95E-6	-0.21464	3.0920E-6
	37.00000	40.00000	99.56000	-0.044352	99.121	-518.80E-6	-0.20447	2.9461E-6
	38.00000	40.00000	99.56000	-0.039167	99.121	-476.35E-6	-0.19436	2.8013E-6
	39.00000	40.00000	99.56000	-0.034052	99.121	-435.93E-6	-0.18442	2.6586E-6
	40.00000	40.00000	99.56000	-0.029043	99.121	-397.81E-6	-0.17470	2.5192E-6
	41.00000	40.00000	99.56000	-0.024173	99.121	-362.14E-6	-0.16526	2.3837E-6
	42.00000	40.00000	99.56000	-0.019468	99.121	-328.98E-6	-0.15615	2.2529E-6
	43.00000	40.00000	99.56000	-0.014950	99.121	-298.35E-6	-0.14740	2.1272E-6
	44.00000	40.00000	99.56000	-0.010634	99.121	-270.20E-6	-0.13904	2.0070E-6
	45.00000	40.00000	99.56000	-0.0065344	99.121	-244.45E-6	-0.13106	1.8923E-6
	46.00000	40.00000	99.56000	-0.0026583	99.121	-220.97E-6	-0.12349	1.7834E-6
	47.00000	40.00000	99.56000	989.18E-6	99.121	-199.64E-6	-0.11632	1.6802E-6
	48.00000	40.00000	99.56000	0.0044062	99.121	-180.31E-6	-0.10954	1.5826E-6
	49.00000	40.00000	99.56000	0.0075933	99.121	-162.83E-6	-0.10315	1.4906E-6
	50.00000	40.00000	99.56000	0.010553	99.121	-147.05E-6	-0.097134	1.4039E-6
Line 18	24.60000	10.40000	103.13000	-7.3634	102.82	0.0	0.0	0.0
	25.60000	10.40000	103.13000	-7.3958	102.82	0.0	0.0	0.0
	26.60000	10.40000	103.13000	-7.1501	102.82	0.0	0.0	0.0
	27.60000	10.40000	103.13000	-6.6932	102.82	0.0	0.0	0.0
	28.60000	10.40000	103.13000	-5.8249	102.82	0.0	0.0	0.0
Line 18	28.60000	10.40000	102.31000	-5.8249	102.11	0.0	0.0	0.0
	28.60000	9.20000	102.31000	-4.0650	102.11	0.0	0.0	0.0
	28.60000	8.00000	102.31000	-2.2873	102.11	0.0	0.0	0.0
Line 18	28.60000	8.00000	102.31000	-2.2873	102.11	0.0	0.0	0.0
	29.50000	8.00000	102.31000	-1.9512	102.11	0.0	0.0	0.0
	30.40000	8.00000	102.31000	-1.6318	102.11	0.0	0.0	0.0
	31.30000	8.00000	102.31000	-1.3678	102.11	0.0	0.0	0.0
	32.20000	8.00000	102.31000	-1.1558	102.11	0.0	0.0	0.0
Line 18	32.20000	8.00000	102.31000	-1.1558	102.11	0.0	0.0	0.0
	32.20000	9.20000	102.31000	-1.3404	102.11	0.0	0.0	0.0
	32.20000	10.40000	102.31000	-1.5135	102.11	0.0	0.0	0.0
Line 18	32.30000	10.40000	102.31000	-1.4789	102.11	0.0	0.0	0.0
	33.30000	10.40000	102.31000	-1.1900	102.11	0.0	0.0	0.0
	34.30000	10.40000	102.31000	-0.97561	102.11	0.0	0.0	0.0
	35.30000	10.40000	102.31000	-0.81035	102.11	0.0	0.0	0.0
	36.30000	10.40000	102.31000	-0.67944	102.11	0.0	0.0	0.0
Line 18	36.30000	10.40000	102.31000	-0.67944	102.11	0.0	0.0	0.0
	36.35556	11.45556	102.31000	-0.70560	102.11	0.0	0.0	0.0
	36.41111	12.51111	102.31000	-0.72240	102.11	0.0	0.0	0.0
	36.46667	13.56667	102.31000	-0.72900	102.11	0.0	0.0	0.0
	36.52222	14.62222	102.31000	-0.72513	102.11	0.0	0.0	0.0
	36.57778	15.67778	102.31000	-0.71109	102.11	0.0	0.0	0.0
	36.63334	16.73333	102.31000	-0.68768	102.11	0.0	0.0	0.0
	36.68889	17.78889	102.31000	-0.65617	102.11	0.0	0.0	0.0
	36.74445	18.84444	102.31000	-0.61820	102.11	0.0	0.0	0.0
	36.80000	19.90000	102.31000	-0.57562	102.11	0.0	0.0	0.0
Line 18	36.80000	19.90000	102.31000	-0.57562	102.11	0.0	0.0	0.0
	35.70000	19.90000	102.31000	-0.68989	102.11	0.0	0.0	0.0
	34.60000	19.90000	102.31000	-0.83318	102.11	0.0	0.0	0.0
Line 18	34.60000	19.90000	102.31000	-0.83318	102.11	0.0	0.0	0.0
	34.60000	20.46667	102.31000	-0.79402	102.11	0.0	0.0	0.0
	34.60000	21.03333	102.31000	-0.75397	102.11	0.0	0.0	0.0
	34.60000	21.60000	102.31000	-0.71365	102.11	0.0	0.0	0.0
Line 18	34.60000	21.60000	102.31000	-0.71365	102.11	0.0	0.0	0.0
	33.60000	21.60000	102.31000	-0.83684	102.11	0.0	0.0	0.0
	32.60000	21.60000	102.31000	-0.98596	102.11	0.0	0.0	0.0
	31.60000	21.60000	102.31000	-1.1677	102.11	0.0	0.0	0.0
Line 18	31.60000	21.60000	102.31000	-1.1677	102.11	0.0	0.0	0.0
	30.66667	22.40000	102.31000	-1.1847	102.11	0.0	0.0	0.0
	29.73333	23.20000	102.31000	-1.1510	102.11	0.0	0.0	0.0
	28.80000	24.00000	102.31000	-1.0818	102.11	0.0	0.0	0.0
Line 18	28.80000	24.00000	102.31000	-1.0818	102.11	0.0	0.0	0.0
	29.65000	24.45000	102.31000	-0.92303	102.11	0.0	0.0	0.0
	30.50000	24.90000	102.31000	-0.78868	102.11	0.0	0.0	0.0
Line 18	30.50000	24.90000	102.31000	-0.78868	102.11	0.0	0.0	0.0
	30.05000	25.70000	102.31000	-0.72223	102.11	0.0	0.0	0.0
	29.60000	26.50000	102.31000	-0.65850	102.11	0.0	0.0	0.0
Line 18	29.60000	26.50000	102.31000	-0.65850	102.11	0.0	0.0	0.0
	28.40000	25.25000	102.31000	-0.88575	102.11	0.0	0.0	0.0
	27.20000	24.00000	102.31000	-1.2113	102.11	0.0	0.0	0.0
Line 18	27.20000	24.00000	102.31000	-1.2113	102.11	0.0	0.0	0.0
	27.60000	23.00000	102.31000	-1.4631	102.11	0.0	0.0	0.0
	28.00000	22.00000	102.31000	-1.8116	102.11	0.0	0.0	0.0
	28.40000	21.00000	102.31000	-2.3490	102.11	0.0	0.0	0.0
	28.80000	20.00000	102.31000	-3.7402	102.11	0.0	0.0	0.0
Line 18	28.80000	20.00000	103.13000	-3.7402	102.82	0.0	0.0	0.0
	27.90000	20.00000	103.13000	-4.2579	102.82	0.0	0.0	0.0
	27.00000	20.00000	103.13000	-4.1367	102.82	0.0	0.0	0.0
Line 18	27.00000	20.00000	103.13000	-4.1367	102.82	0.0	0.0	0.0
	25.85000	19.30000	103.13000	-5.3030	102.82	0.0	0.0	0.0
	24.70000	18.60000	103.13000	-6.6338	102.82	0.0	0.0	0.0
Line 18	24.70000	18.60000	103.13000	-6.6338	102.82	0.0	0.0	0.0
	24.68750	17.57500	103.13000	-8.0292	102.82	0.0	0.0	0.0
	24.67500	16.55000	103.13000	-8.7815	102.82	0.0	0.0	0.0
	24.66250	15.52500	103.13000	-9.0830	102.82	0.0	0.0	0.0
	24.65000	14.50000	103.13000	-9.1640	102.82	0.0	0.0	0.0
	24.63750	13.47500	103.13000	-8.7784	102.82	0.0	0.0	0.0
	24.62500	12.45000	103.13000	-8.5320	102.82	0.0	0.0	0.0
	24.61250	11.42500	103.13000	-8.1071	102.82	0.0	0.0	0.0
	24.60000	10.40000	103.13000	-7.3634	102.82	0.0	0.0	0.0

Oasys

26 Christchurch Hill, London NW3 1LG

Total drained movements

Job No.	Sheet No.	Rev.
J15258		
Drg. Ref.		
Made by ML	Date	Checked



RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: 43.90 [m OD]

The maximum displacement difference between
Boussinesq method (-14.683mm) and Mindlin method (-10.993mm)
occurs at point X=24.663m Y=15.525m Level 103.13mOD and is 3.6894mm

Name	Location				Stresses			
	X	Y	Z[Level]	Z	Calc Level	Vert Stress	Sum Princ	Vert Strain
	[m]	[m]	[mOD]	[mm]	[mOD]	[kN/m²]	[kN/m²]	[-]
Slab 1	27.18669	18.56703	100.53000	-12.024	100.21	-50.928	-106.81	-0.0020896
Slab 2	26.92491	13.28498	100.53000	-14.451	100.21	-51.111	-113.15	-0.0020345
Slab 3	22.85201	13.98222	100.53000	-12.564	100.21	-42.614	-94.974	-0.0016896
Slab 4	18.62597	18.04286	100.53000	-7.6590	100.21	-32.062	-68.159	-0.0013059
Slab 5	17.56045	12.61269	99.56000	-0.18461	99.121	12.700	20.934	534.96E-6
Grid 1	0.00000	0.00000	99.56000	-0.16312	99.121	-335.18E-6	-0.094785	0.0
	1.00000	0.00000	99.56000	-0.17615	99.121	-390.84E-6	-0.10353	0.0
	2.00000	0.00000	99.56000	-0.19021	99.121	-457.13E-6	-0.11327	1.0698E-6
	3.00000	0.00000	99.56000	-0.20538	99.121	-536.30E-6	-0.12412	1.1703E-6
	4.00000	0.00000	99.56000	-0.22176	99.121	-631.13E-6	-0.13622	1.2819E-6
	5.00000	0.00000	99.56000	-0.23946	99.121	-745.04E-6	-0.14975	1.4062E-6
	6.00000	0.00000	99.56000	-0.25860	99.121	-882.24E-6	-0.16489	1.5449E-6
	7.00000	0.00000	99.56000	-0.27932	99.121	-0.0010480	-0.18187	1.6996E-6
	8.00000	0.00000	99.56000	-0.30180	99.121	-0.0012487	-0.20096	1.8727E-6
	9.00000	0.00000	99.56000	-0.32624	99.121	-0.0014924	-0.22247	2.0667E-6
	10.00000	0.00000	99.56000	-0.35285	99.121	-0.0017890	-0.24675	2.2846E-6
	11.00000	0.00000	99.56000	-0.38189	99.121	-0.0021505	-0.27422	2.5295E-6
	12.00000	0.00000	99.56000	-0.41360	99.121	-0.0025911	-0.30534	2.8051E-6
	13.00000	0.00000	99.56000	-0.44821	99.121	-0.0031272	-0.34055	3.1148E-6
	14.00000	0.00000	99.56000	-0.48586	99.121	-0.0037764	-0.38026	3.4615E-6
	15.00000	0.00000	99.56000	-0.52656	99.121	-0.0045559	-0.42472	3.8466E-6
	16.00000	0.00000	99.56000	-0.57009	99.121	-0.0054789	-0.47391	4.2691E-6
	17.00000	0.00000	99.56000	-0.61598	99.121	-0.0065503	-0.52740	4.7247E-6
	18.00000	0.00000	99.56000	-0.66340	99.121	-0.0077607	-0.58426	5.2047E-6
	19.00000	0.00000	99.56000	-0.71118	99.121	-0.0090797	-0.64290	5.6958E-6
	20.00000	0.00000	99.56000	-0.75781	99.121	-0.010453	-0.70113	6.1796E-6
	21.00000	0.00000	99.56000	-0.80156	99.121	-0.011801	-0.75620	6.6344E-6
	22.00000	0.00000	99.56000	-0.84056	99.121	-0.013030	-0.80508	7.0362E-6
	23.00000	0.00000	99.56000	-0.87300	99.121	-0.014040	-0.84473	7.3614E-6
	24.00000	0.00000	99.56000	-0.89733	99.121	-0.014741	-0.87252	7.5896E-6
	25.00000	0.00000	99.56000	-0.91235	99.121	-0.015068	-0.88651	7.7060E-6
	26.00000	0.00000	99.56000	-0.91743	99.121	-0.014984	-0.88570	7.7031E-6
	27.00000	0.00000	99.56000	-0.91246	99.121	-0.014493	-0.87020	7.5815E-6
	28.00000	0.00000	99.56000	-0.89792	99.121	-0.013639	-0.84117	7.3502E-6
	29.00000	0.00000	99.56000	-0.87481	99.121	-0.012499	-0.80074	7.0250E-6
	30.00000	0.00000	99.56000	-0.84446	99.121	-0.011173	-0.75165	6.6269E-6
	31.00000	0.00000	99.56000	-0.80846	99.121	-0.0097681	-0.69694	6.1789E-6
	32.00000	0.00000	99.56000	-0.76840	99.121	-0.0083791	-0.63953	5.7038E-6
	33.00000	0.00000	99.56000	-0.72582	99.121	-0.0070782	-0.58193	5.2218E-6
	34.00000	0.00000	99.56000	-0.68206	99.121	-0.0059100	-0.52609	4.7492E-6
	35.00000	0.00000	99.56000	-0.63820	99.121	-0.0048942	-0.47337	4.2978E-6
	36.00000	0.00000	99.56000	-0.59510	99.121	-0.0040318	-0.42456	3.8755E-6
	37.00000	0.00000	99.56000	-0.55338	99.121	-0.0033121	-0.38005	3.4864E-6
	38.00000	0.00000	99.56000	-0.51346	99.121	-0.0027186	-0.33990	3.1322E-6
	39.00000	0.00000	99.56000	-0.47560	99.121	-0.0022329	-0.30395	2.8125E-6
	40.00000	0.00000	99.56000	-0.43996	99.121	-0.0018372	-0.27195	2.5257E-6
	41.00000	0.00000	99.56000	-0.40659	99.121	-0.0015155	-0.24356	2.2696E-6
	42.00000	0.00000	99.56000	-0.37547	99.121	-0.0012541	-0.21843	2.0415E-6
	43.00000	0.00000	99.56000	-0.34654	99.121	-0.0010414	-0.19622	1.8388E-6
	44.00000	0.00000	99.56000	-0.31972	99.121	-867.99E-6	-0.17658	1.6588E-6
	45.00000	0.00000	99.56000	-0.29490	99.121	-726.29E-6	-0.15921	1.4989E-6
	46.00000	0.00000	99.56000	-0.27197	99.121	-610.14E-6	-0.14385	1.3569E-6
	47.00000	0.00000	99.56000	-0.25080	99.121	-514.61E-6	-0.13023	1.2307E-6
	48.00000	0.00000	99.56000	-0.23127	99.121	-435.76E-6	-0.11815	1.1184E-6
	49.00000	0.00000	99.56000	-0.21327	99.121	-370.43E-6	-0.10742	1.0182E-6
	50.00000	0.00000	99.56000	-0.19668	99.121	-316.10E-6	-0.097859	0.0
	0.00000	1.00000	99.56000	-0.17029	99.121	-368.04E-6	-0.099839	0.0
	1.00000	1.00000	99.56000	-0.18412	99.121	-431.59E-6	-0.10937	1.0336E-6
	2.00000	1.00000	99.56000	-0.19907	99.121	-507.87E-6	-0.12002	1.1323E-6
	3.00000	1.00000	99.56000	-0.21524	99.121	-599.74E-6	-0.13194	1.2423E-6
	4.00000	1.00000	99.56000	-0.23272	99.121	-710.77E-6	-0.14530	1.3652E-6
	5.00000	1.00000	99.56000	-0.25165	99.121	-845.42E-6	-0.16031	1.5027E-6
	6.00000	1.00000	99.56000	-0.27216	99.121	-0.0010093	-0.17721	1.6567E-6
	7.00000	1.00000	99.56000	-0.29443	99.121	-0.0012095	-0.19626	1.8295E-6
	8.00000	1.00000	99.56000	-0.31868	99.121	-0.0014552	-0.21783	2.0240E-6
	9.00000	1.00000	99.56000	-0.34517	99.121	-0.0017577	-0.24232	2.2435E-6
	10.00000	1.00000	99.56000	-0.37420	99.121	-0.0021320	-0.27026	2.4922E-6
	11.00000	1.00000	99.56000	-0.40616	99.121	-0.0025968	-0.30226	2.7749E-6
	12.00000	1.00000	99.56000	-0.44145	99.121	-0.0031759	-0.33907	3.0976E-6
	13.00000	1.00000	99.56000	-0.48051	99.121	-0.0038981	-0.38151	3.4665E-6
	14.00000	1.00000	99.56000	-0.52369	99.121	-0.0047974	-0.43039	3.8875E-6
	15.00000	1.00000	99.56000	-0.57119	99.121	-0.0059105	-0.48642	4.3652E-6
	16.00000	1.00000	99.56000	-0.62296	99.121	-0.0072720	-0.54995	4.9010E-6
	17.00000	1.00000	99.56000	-0.67855	99.121	-0.0089063	-0.62078	5.4917E-6
	18.00000	1.00000	99.56000	-0.73701	99.121	-0.010814	-0.69788	6.1272E-6
	19.00000	1.00000	99.56000	-0.79688	99.121	-0.012960	-0.77920	6.7898E-6
	20.00000	1.00000	99.56000	-0.85614	99.121	-0.015255	-0.86158	7.4538E-6
	21.00000	1.00000	99.56000	-0.91238	99.121	-0.017561	-0.94081	8.0868E-6
	22.00000	1.00000	99.56000	-0.96293	99.121	-0.019698	-1.0121	8.6525E-6
	23.00000	1.00000	99.56000	-1.0052	99.121	-0.021479	-1.0705	9.1144E-6
	24.00000	1.00000	99.56000	-1.0369	99.121	-0.022730	-1.1117	9.4409E-6
	25.00000	1.00000	99.56000	-1.0564	99.121	-0.023323	-1.1326	9.6085E-6
	26.00000	1.00000	99.56000	-1.0626	99.121	-0.023189	-1.1315	9.6055E-6
	27.00000	1.00000	99.56000	-1.0556	99.121	-0.022332	-1.1085	9.4330E-6
	28.00000	1.00000	99.56000	-1.0359	99.121	-0.020830	-1.0656	9.1051E-6
	29.00000	1.00000	99.56000	-1.0053	99.121	-0.018833	-1.0063	8.6469E-6
	30.00000	1.00000	99.56000	-0.96553	99.121	-0.016538	-0.93510	8.0909E-6
	31.00000	1.00000	99.56000	-0.91903	99.121	-0.014154	-0.85694	7.4729E-6
	32.00000	1.00000	99.56000	-0.86893	99.121	-0.011857	-0.77642	6.8269E-6
	33.00000	1.00000	99.56000	-0.81464	99.121	-0.0097706	-0.69729	6.1821E-6
	34.00000	1.00000	99.56000	-0.76058	99.121	-0.0079580	-0.62223	5.5608E-6
	35.00000	1.00000	99.56000	-0.70720	99.121	-0.0064341	-0.55287	4.9780E-6
	36.00000	1.00000	99.56000	-0.65548	99.121	-0.0051822	-0.49002	4.4422E-6
	37.00000	1.00000	99.56000	-0.60607	99.121	-0.0041695	-0.43382	3.9571E-6
	38.00000	1.00000	99.56000	-0.55937	99.121	-0.0033580	-0.38405	3.5224E-6
	39.00000	1.00000	99.56000	-0.51559	99.121	-0.0027111	-0.34024	3.1360E-6
	40.00000	1.00000	99.56000	-0.47479	99.121	-0.0021964	-0.30184	2.7942E-6
	41.00000	1.00000	99.56000	-0.43694	99.121	-0.0017867	-0.26825	2.4928E-6
	42.00000	1.00000	99.56000	-0.40194	99.121	-0.0014601	-0.23889	2.2276E-6
	43.00000	1.00000	99.56000	-0.36966	99.121	-0.0011988	-0.21323	1.9944E-6
	44.00000	1.00000	99.56000	-0.33994	99.121	-989.07E-6	-0.19078	1.7892E-6
	45.00000	1.00000	99.56000	-0.31262	99.121	-820.03E-6	-0.17111	1.6087E-6
	46.00000	1.00000	99.56000	-0.28751	99.121	-683.18E-6	-0.15385	1.4496E-6
	47.00000	1.00000	99.56000	-0.26446	99.121	-571.87E-6	-0.13868	1.3092E-6
	48.00000	1.00000	99.56000	-0.24329	99.121	-480.93E-6	-0.12532	1.1851E-6
	49.00000	1.00000	99.56000	-0.22387	99.121	-406.28E-6	-0.11351	1.0752E-6
	50.00000	1.00000	99.56000	-0.20604	99.121	-344.71E-6	-0.10307	0.0
	0.00000	2.00000	99.56000	-0.17744	99.121	-403.09E-6	-0.10499	0.0
	1.00000	2.00000	99.56000	-0.19208	99.121	-475.41E-6	-0.11534	1.0889E-6
	2.00000	2.00000	99.56000	-0.20793	99.121	-562.88E-6	-0.12696	1.1962E-6
	3.00000	2.00000	99.56000	-0.22509	99.121	-669.12E-6	-0.14001	1.3164E-6
	4.00000	2.00000	99.56000	-0.24368	99.121	-798.64E-6	-0.15471	1.4512E-6
	5.00000	2.00000	99.56000	-0.26382	99.121	-957.22E-6	-0.17129	1.6025E-6
	6.00000	2.00000	99.56000	-0.28569	99.121	-0.0011522	-0.19004	1.7726E-6
	7.00000	2.00000	99.56000	-0.30947	99.121	-0.0013932	-0.21129	1.9643E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	8.00000	2.00000	99.56000	-0.33542	99.121	-0.0016924	-0.23546	2.1809E-6
	9.00000	2.00000	99.56000	-0.36385	99.121	-0.0020661	-0.26310	2.4267E-6
	10.00000	2.00000	99.56000	-0.39519	99.121	-0.0025360	-0.29490	2.7073E-6
	11.00000	2.00000	99.56000	-0.42997	99.121	-0.0031309	-0.33177	3.0296E-6
	12.00000	2.00000	99.56000	-0.46883	99.121	-0.0038894	-0.37487	3.4027E-6
	13.00000	2.00000	99.56000	-0.51250	99.121	-0.0048617	-0.42560	3.8373E-6
	14.00000	2.00000	99.56000	-0.56170	99.121	-0.0061115	-0.48552	4.3447E-6
	15.00000	2.00000	99.56000	-0.61700	99.121	-0.0077144	-0.55616	4.9354E-6
	16.00000	2.00000	99.56000	-0.67863	99.121	-0.0097525	-0.63868	5.6158E-6
	17.00000	2.00000	99.56000	-0.74630	99.121	-0.012300	-0.73348	6.3855E-6
	18.00000	2.00000	99.56000	-0.81901	99.121	-0.015399	-0.83975	7.2342E-6
	19.00000	2.00000	99.56000	-0.89492	99.121	-0.019019	-0.95492	8.1388E-6
	20.00000	2.00000	99.56000	-0.97133	99.121	-0.023025	-1.0744	9.0627E-6
	21.00000	2.00000	99.56000	-1.0448	99.121	-0.027158	-1.1916	9.9573E-6
	22.00000	2.00000	99.56000	-1.1116	99.121	-0.031063	-1.2987	10.767E-6
	23.00000	2.00000	99.56000	-1.1677	99.121	-0.034356	-1.3873	11.434E-6
	24.00000	2.00000	99.56000	-1.2098	99.121	-0.036695	-1.4504	11.908E-6
	25.00000	2.00000	99.56000	-1.2353	99.121	-0.037829	-1.4825	12.153E-6
	26.00000	2.00000	99.56000	-1.2431	99.121	-0.037615	-1.4810	12.151E-6
	27.00000	2.00000	99.56000	-1.2328	99.121	-0.036047	-1.4458	11.902E-6
	28.00000	2.00000	99.56000	-1.2058	99.121	-0.033268	-1.3804	11.430E-6
	29.00000	2.00000	99.56000	-1.1642	99.121	-0.029582	-1.2905	10.774E-6
	30.00000	2.00000	99.56000	-1.1112	99.121	-0.025403	-1.1840	9.9858E-6
	31.00000	2.00000	99.56000	-1.0501	99.121	-0.021160	-1.0693	9.1215E-6
	32.00000	2.00000	99.56000	-0.98434	99.121	-0.017204	-0.95373	8.2326E-6
	33.00000	2.00000	99.56000	-0.91668	99.121	-0.013746	-0.84299	7.3615E-6
	34.00000	2.00000	99.56000	-0.84940	99.121	-0.010863	-0.74067	6.5386E-6
	35.00000	2.00000	99.56000	-0.78411	99.121	-0.0085363	-0.64855	5.7820E-6
	36.00000	2.00000	99.56000	-0.72186	99.121	-0.0066984	-0.56708	5.1001E-6
	37.00000	2.00000	99.56000	-0.66328	99.121	-0.0052641	-0.49587	4.4942E-6
	38.00000	2.00000	99.56000	-0.60865	99.121	-0.0041515	-0.43410	3.9608E-6
	39.00000	2.00000	99.56000	-0.55806	99.121	-0.0032898	-0.38073	3.4942E-6
	40.00000	2.00000	99.56000	-0.51144	99.121	-0.0026214	-0.33471	3.0876E-6
	41.00000	2.00000	99.56000	-0.46861	99.121	-0.0021014	-0.29505	2.7339E-6
	42.00000	2.00000	99.56000	-0.42935	99.121	-0.0016949	-0.26084	2.4264E-6
	43.00000	2.00000	99.56000	-0.39344	99.121	-0.0013755	-0.23129	2.1589E-6
	44.00000	2.00000	99.56000	-0.36061	99.121	-0.0011231	-0.20571	1.9260E-6
	45.00000	2.00000	99.56000	-0.33061	99.121	-922.50E-6	-0.18351	1.7228E-6
	46.00000	2.00000	99.56000	-0.30322	99.121	-762.12E-6	-0.16421	1.5452E-6
	47.00000	2.00000	99.56000	-0.27819	99.121	-633.14E-6	-0.14736	1.3897E-6
	48.00000	2.00000	99.56000	-0.25534	99.121	-528.82E-6	-0.13263	1.2531E-6
	49.00000	2.00000	99.56000	-0.23445	99.121	-443.96E-6	-0.11970	1.1329E-6
	50.00000	2.00000	99.56000	-0.21535	99.121	-374.57E-6	-0.10832	1.0268E-6
	0.00000	3.00000	99.56000	-0.18453	99.121	-440.23E-6	-0.11020	1.0412E-6
	1.00000	3.00000	99.56000	-0.19999	99.121	-522.20E-6	-0.12141	1.1449E-6
	2.00000	3.00000	99.56000	-0.21675	99.121	-622.13E-6	-0.13404	1.2614E-6
	3.00000	3.00000	99.56000	-0.23491	99.121	-744.49E-6	-0.14829	1.3922E-6
	4.00000	3.00000	99.56000	-0.25458	99.121	-894.98E-6	-0.16439	1.5393E-6
	5.00000	3.00000	99.56000	-0.27592	99.121	-0.0010810	-0.18262	1.7049E-6
	6.00000	3.00000	99.56000	-0.29909	99.121	-0.0013119	-0.20330	1.8917E-6
	7.00000	3.00000	99.56000	-0.32428	99.121	-0.0016002	-0.22681	2.1025E-6
	8.00000	3.00000	99.56000	-0.35177	99.121	-0.0019624	-0.25364	2.3412E-6
	9.00000	3.00000	99.56000	-0.38193	99.121	-0.0024206	-0.28443	2.6126E-6
	10.00000	3.00000	99.56000	-0.41528	99.121	-0.0030054	-0.32005	2.9235E-6
	11.00000	3.00000	99.56000	-0.45252	99.121	-0.0037597	-0.36176	3.2833E-6
	12.00000	3.00000	99.56000	-0.49460	99.121	-0.0047444	-0.41127	3.7054E-6
	13.00000	3.00000	99.56000	-0.54272	99.121	-0.0060454	-0.47091	4.2072E-6
	14.00000	3.00000	99.56000	-0.59815	99.121	-0.0077799	-0.54354	4.8095E-6
	15.00000	3.00000	99.56000	-0.66211	99.121	-0.010100	-0.63222	5.5331E-6
	16.00000	3.00000	99.56000	-0.73541	99.121	-0.013192	-0.73977	6.3946E-6
	17.00000	3.00000	99.56000	-0.81815	99.121	-0.017255	-0.86804	7.4003E-6
	18.00000	3.00000	99.56000	-0.90940	99.121	-0.022457	-1.0171	8.5411E-6
	19.00000	3.00000	99.56000	-1.0070	99.121	-0.028843	-1.1842	9.7876E-6
	20.00000	3.00000	99.56000	-1.1072	99.121	-0.036220	-1.3627	11.087E-6
	21.00000	3.00000	99.56000	-1.2051	99.121	-0.044078	-1.5420	12.366E-6
	22.00000	3.00000	99.56000	-1.2950	99.121	-0.051647	-1.7085	13.538E-6
	23.00000	3.00000	99.56000	-1.3710	99.121	-0.058094	-1.8479	14.513E-6
	24.00000	3.00000	99.56000	-1.4281	99.121	-0.062715	-1.9478	15.211E-6
	25.00000	3.00000	99.56000	-1.4624	99.121	-0.065008	-1.9990	15.574E-6
	26.00000	3.00000	99.56000	-1.4720	99.121	-0.064679	-1.9969	15.573E-6
	27.00000	3.00000	99.56000	-1.4567	99.121	-0.061662	-1.9413	15.210E-6
	28.00000	3.00000	99.56000	-1.4184	99.121	-0.056210	-1.8376	14.523E-6
	29.00000	3.00000	99.56000	-1.3608	99.121	-0.048957	-1.6962	13.575E-6
	30.00000	3.00000	99.56000	-1.2885	99.121	-0.040840	-1.5310	12.448E-6
	31.00000	3.00000	99.56000	-1.2069	99.121	-0.032838	-1.3570	11.228E-6
	32.00000	3.00000	99.56000	-1.1207	99.121	-0.025684	-1.1866	9.9946E-6
	33.00000	3.00000	99.56000	-1.0341	99.121	-0.019735	-1.0285	8.8094E-6
	34.00000	3.00000	99.56000	-0.94973	99.121	-0.015027	-0.88704	7.7135E-6
	35.00000	3.00000	99.56000	-0.86952	99.121	-0.011416	-0.76357	6.7281E-6
	36.00000	3.00000	99.56000	-0.79445	99.121	-0.0086930	-0.65746	5.8591E-6
	37.00000	3.00000	99.56000	-0.72497	99.121	-0.0066537	-0.56707	5.1026E-6
	38.00000	3.00000	99.56000	-0.66115	99.121	-0.0051281	-0.49041	4.4492E-6
	39.00000	3.00000	99.56000	-0.60281	99.121	-0.0039830	-0.42550	3.8874E-6
	40.00000	3.00000	99.56000	-0.54967	99.121	-0.0031188	-0.37051	3.4053E-6
	41.00000	3.00000	99.56000	-0.50135	99.121	-0.0024622	-0.32385	2.9917E-6
	42.00000	3.00000	99.56000	-0.45748	99.121	-0.0019594	-0.28414	2.6366E-6
	43.00000	3.00000	99.56000	-0.41766	99.121	-0.0015714	-0.25026	2.3312E-6
	44.00000	3.00000	99.56000	-0.38152	99.121	-0.0012696	-0.22125	2.0679E-6
	45.00000	3.00000	99.56000	-0.34873	99.121	-0.0010331	-0.19631	1.8402E-6
	46.00000	3.00000	99.56000	-0.31894	99.121	-846.40E-6	-0.17481	1.6429E-6
	47.00000	3.00000	99.56000	-0.29189	99.121	-697.90E-6	-0.15619	1.4713E-6
	48.00000	3.00000	99.56000	-0.26728	99.121	-578.98E-6	-0.14002	1.3217E-6
	49.00000	3.00000	99.56000	-0.24490	99.121	-483.12E-6	-0.12591	1.1907E-6
	50.00000	3.00000	99.56000	-0.22451	99.121	-405.35E-6	-0.11358	1.0758E-6
	0.00000	4.00000	99.56000	-0.19154	99.121	-479.25E-6	-0.11545	1.0897E-6
	1.00000	4.00000	99.56000	-0.20782	99.121	-571.79E-6	-0.12755	1.2015E-6
	2.00000	4.00000	99.56000	-0.22548	99.121	-685.47E-6	-0.14123	1.3273E-6
	3.00000	4.00000	99.56000	-0.24463	99.121	-825.80E-6	-0.15673	1.4691E-6
	4.00000	4.00000	99.56000	-0.26539	99.121	-999.90E-6	-0.17430	1.6291E-6
	5.00000	4.00000	99.56000	-0.28789	99.121	-0.0012170	-0.19424	1.8095E-6
	6.00000	4.00000	99.56000	-0.31228	99.121	-0.0014890	-0.21689	2.0130E-6
	7.00000	4.00000	99.56000	-0.33875	99.121	-0.0018319	-0.24268	2.2426E-6
	8.00000	4.00000	99.56000	-0.36755	99.121	-0.0022668	-0.27208	2.5020E-6
	9.00000	4.00000	99.56000	-0.39905	99.121	-0.0028226	-0.30578	2.7959E-6
	10.00000	4.00000	99.56000	-0.43383	99.121	-0.0035400	-0.34471	3.1311E-6
	11.00000	4.00000	99.56000	-0.47276	99.121	-0.0044794	-0.39041	3.5189E-6
	12.00000	4.00000	99.56000	-0.51716	99.121	-0.0057331	-0.44530	3.9774E-6
	13.00000	4.00000	99.56000	-0.56886	99.121	-0.0074439	-0.51313	4.5346E-6
	14.00000	4.00000	99.56000	-0.63010	99.121	-0.0098259	-0.59899	5.2274E-6
	15.00000	4.00000	99.56000	-0.70319	99.121	-0.013182	-0.70889	6.0963E-6
	16.00000	4.00000	99.56000	-0.79001	99.121	-0.017918	-0.84888	7.1763E-6
	17.00000	4.00000	99.56000	-0.89148	99.121	-0.024543	-1.0240	8.4870E-6
	18.00000	4.00000	99.56000	-1.0071	99.121	-0.033605	-1.2371	10.023E-6
	19.00000	4.00000	99.56000	-1.1343	99.121	-0.045488	-1.4864	11.746E-6
	20.00000	4.00000	99.56000	-1.2684	99.121	-0.060030	-1.7629	13.578E-6
	21.00000	4.00000	99.56000	-1.4019	99.121	-0.076160	-2.0488	15.408E-6
	22.00000	4.00000	99.56000	-1.5261	99.121	-0.091994	-2.3190	17.105E-6
	23.00000	4.00000	99.56000	-1.6316	99.121	-0.10552	-2.5473	18.529E-6
	24.00000	4.00000	99.56000	-1.7108	99.121	-0.11523	-2.7117	19.556E-6
	25.00000	4.00000	99.56000	-1.7578	99.121	-0.12019	-2.7968	20.092E-6
	26.00000	4.00000	99.56000	-1.7698	99.121	-0.11977	-2.7942	20.091E-6
	27.00000	4.00000	99.56000	-1.7465	99.121	-0.11366	-2.7030	19.564E-6
	28.00000	4.00000	99.56000	-1.6909	99.121	-0.10217	-2.5315	18.571E-6
	29.00000	4.00000	99.56000	-1.6086	99.121	-0.086686	-2.2984	17.214E-6
	30.00000	4.00000	99.56000	-1.5075	99.121	-0.069564	-2.0305	15.615E-6
	31.00000	4.00000	99.56000	-1.3959	99.121	-0.053311	-1.7560	13.901E-6
	32.00000	4.00000	99.56000	-1.2813	99.121	-0.039593	-1.4970	12.191E-6
	33.00000	4.00000	99.56000	-1.1691	99.121	-0.028927	-1.2662	10.576E-6
	34.00000	4.00000	99.56000	-1.0626	99.121	-0.021040	-1.0679	9.1154E-6
	35.00000	4.00000	99.56000	-0.96378	99.121	-0.015356	-0.90126	7.8321E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	36.00000	4.00000	99.56000	-0.87321	99.121	-0.011298	-0.76268	6.7263E-6
	37.00000	4.00000	99.56000	-0.79091	99.121	-0.0083989	-0.64798	5.7845E-6
	38.00000	4.00000	99.56000	-0.71652	99.121	-0.0063145	-0.55310	4.9871E-6
	39.00000	4.00000	99.56000	-0.64947	99.121	-0.0048019	-0.47446	4.3137E-6
	40.00000	4.00000	99.56000	-0.58912	99.121	-0.0036925	-0.40905	3.7451E-6
	41.00000	4.00000	99.56000	-0.53484	99.121	-0.0028697	-0.35443	3.2641E-6
	42.00000	4.00000	99.56000	-0.48601	99.121	-0.0022528	-0.30860	2.8563E-6
	43.00000	4.00000	99.56000	-0.44206	99.121	-0.0017854	-0.26996	2.5094E-6
	44.00000	4.00000	99.56000	-0.40246	99.121	-0.0014275	-0.23723	2.2134E-6
	45.00000	4.00000	99.56000	-0.36676	99.121	-0.0011509	-0.20936	1.9597E-6
	46.00000	4.00000	99.56000	-0.33452	99.121	-935.13E-6	-0.18553	1.7416E-6
	47.00000	4.00000	99.56000	-0.30538	99.121	-765.41E-6	-0.16506	1.5533E-6
	48.00000	4.00000	99.56000	-0.27901	99.121	-630.81E-6	-0.14740	1.3901E-6
	49.00000	4.00000	99.56000	-0.25512	99.121	-523.25E-6	-0.13209	1.2482E-6
	50.00000	4.00000	99.56000	-0.23345	99.121	-436.68E-6	-0.11877	1.1243E-6
	0.00000	5.00000	99.56000	-0.19842	99.121	-519.90E-6	-0.12069	1.1380E-6
	1.00000	5.00000	99.56000	-0.21553	99.121	-623.89E-6	-0.13371	1.2580E-6
	2.00000	5.00000	99.56000	-0.23410	99.121	-752.63E-6	-0.14849	1.3936E-6
	3.00000	5.00000	99.56000	-0.25424	99.121	-912.86E-6	-0.16528	1.5468E-6
	4.00000	5.00000	99.56000	-0.27607	99.121	-0.0011133	-0.18437	1.7200E-6
	5.00000	5.00000	99.56000	-0.29969	99.121	-0.0013655	-0.20608	1.9155E-6
	6.00000	5.00000	99.56000	-0.32522	99.121	-0.0016842	-0.23075	2.1358E-6
	7.00000	5.00000	99.56000	-0.35281	99.121	-0.0020892	-0.25876	2.3834E-6
	8.00000	5.00000	99.56000	-0.38261	99.121	-0.0026064	-0.29052	2.6608E-6
	9.00000	5.00000	99.56000	-0.41491	99.121	-0.0032707	-0.32650	2.9705E-6
	10.00000	5.00000	99.56000	-0.45020	99.121	-0.0041306	-0.36743	3.3167E-6
	11.00000	5.00000	99.56000	-0.48941	99.121	-0.0052600	-0.41467	3.7084E-6
	12.00000	5.00000	99.56000	-0.53422	99.121	-0.0067849	-0.47116	4.1666E-6
	13.00000	5.00000	99.56000	-0.58735	99.121	-0.0089337	-0.54266	4.7339E-6
	14.00000	5.00000	99.56000	-0.65261	99.121	-0.012099	-0.63846	5.4775E-6
	15.00000	5.00000	99.56000	-0.73425	99.121	-0.016882	-0.77039	6.4767E-6
	16.00000	5.00000	99.56000	-0.83608	99.121	-0.024153	-0.95082	7.8008E-6
	17.00000	5.00000	99.56000	-0.96060	99.121	-0.035160	-1.1914	9.4906E-6
	18.00000	5.00000	99.56000	-1.1084	99.121	-0.051573	-1.5019	11.543E-6
	19.00000	5.00000	99.56000	-1.2772	99.121	-0.075144	-1.8861	13.892E-6
	20.00000	5.00000	99.56000	-1.4608	99.121	-0.10649	-2.3342	16.409E-6
	21.00000	5.00000	99.56000	-1.6483	99.121	-0.14327	-2.8150	18.928E-6
	22.00000	5.00000	99.56000	-1.8249	99.121	-0.17996	-3.2782	21.280E-6
	23.00000	5.00000	99.56000	-1.9757	99.121	-0.21083	-3.6706	23.286E-6
	24.00000	5.00000	99.56000	-2.0883	99.121	-0.23272	-3.9529	24.746E-6
	25.00000	5.00000	99.56000	-2.1544	99.121	-0.24434	-4.1008	25.503E-6
	26.00000	5.00000	99.56000	-2.1695	99.121	-0.24439	-4.0998	25.492E-6
	27.00000	5.00000	99.56000	-2.1333	99.121	-0.23136	-3.9450	24.749E-6
	28.00000	5.00000	99.56000	-2.0499	99.121	-0.20495	-3.6469	23.398E-6
	29.00000	5.00000	99.56000	-1.9285	99.121	-0.16813	-3.2397	21.595E-6
	30.00000	5.00000	99.56000	-1.7825	99.121	-0.12777	-2.7790	19.480E-6
	31.00000	5.00000	99.56000	-1.6261	99.121	-0.091426	-2.3240	17.185E-6
	32.00000	5.00000	99.56000	-1.4707	99.121	-0.063210	-1.9158	14.874E-6
	33.00000	5.00000	99.56000	-1.3238	99.121	-0.043235	-1.5715	12.700E-6
	34.00000	5.00000	99.56000	-1.1887	99.121	-0.029716	-1.2904	10.765E-6
	35.00000	5.00000	99.56000	-1.0668	99.121	-0.020694	-1.0645	9.1024E-6
	36.00000	5.00000	99.56000	-0.95768	99.121	-0.014651	-0.88369	7.7029E-6
	37.00000	5.00000	99.56000	-0.86051	99.121	-0.010553	-0.73869	6.5374E-6
	38.00000	5.00000	99.56000	-0.77417	99.121	-0.0077293	-0.62188	5.5707E-6
	39.00000	5.00000	99.56000	-0.69748	99.121	-0.0057509	-0.52720	4.7691E-6
	40.00000	5.00000	99.56000	-0.62931	99.121	-0.0043415	-0.44993	4.1030E-6
	41.00000	5.00000	99.56000	-0.56865	99.121	-0.0033216	-0.38642	3.5476E-6
	42.00000	5.00000	99.56000	-0.51459	99.121	-0.0025725	-0.33388	3.0824E-6
	43.00000	5.00000	99.56000	-0.46632	99.121	-0.0020149	-0.29011	2.6912E-6
	44.00000	5.00000	99.56000	-0.42316	99.121	-0.0015946	-0.25343	2.3605E-6
	45.00000	5.00000	99.56000	-0.38448	99.121	-0.0012741	-0.22249	2.0796E-6
	46.00000	5.00000	99.56000	-0.34975	99.121	-0.0010270	-0.19624	1.8399E-6
	47.00000	5.00000	99.56000	-0.31852	99.121	-834.65E-6	-0.17386	1.6344E-6
	48.00000	5.00000	99.56000	-0.29038	99.121	-683.53E-6	-0.15467	1.4575E-6
	49.00000	5.00000	99.56000	-0.26500	99.121	-563.77E-6	-0.13814	1.3044E-6
	50.00000	5.00000	99.56000	-0.24205	99.121	-468.09E-6	-0.12383	1.1715E-6
	0.00000	6.00000	99.56000	-0.20514	99.121	-561.81E-6	-0.12587	1.1858E-6
	1.00000	6.00000	99.56000	-0.22307	99.121	-678.10E-6	-0.13984	1.3142E-6
	2.00000	6.00000	99.56000	-0.24256	99.121	-823.20E-6	-0.15575	1.4598E-6
	3.00000	6.00000	99.56000	-0.26371	99.121	-0.0010053	-0.17389	1.6248E-6
	4.00000	6.00000	99.56000	-0.28660	99.121	-0.0012351	-0.19456	1.8116E-6
	5.00000	6.00000	99.56000	-0.31133	99.121	-0.0015266	-0.21811	2.0225E-6
	6.00000	6.00000	99.56000	-0.33795	99.121	-0.0018982	-0.24483	2.2597E-6
	7.00000	6.00000	99.56000	-0.36649	99.121	-0.0023734	-0.27501	2.5242E-6
	8.00000	6.00000	99.56000	-0.39696	99.121	-0.0029823	-0.30877	2.8156E-6
	9.00000	6.00000	99.56000	-0.42938	99.121	-0.0037614	-0.34602	3.1309E-6
	10.00000	6.00000	99.56000	-0.46389	99.121	-0.0047531	-0.38639	3.4641E-6
	11.00000	6.00000	99.56000	-0.50109	99.121	-0.0060093	-0.42959	3.8093E-6
	12.00000	6.00000	99.56000	-0.54267	99.121	-0.0076311	-0.47720	4.1760E-6
	13.00000	6.00000	99.56000	-0.59248	99.121	-0.0099293	-0.53702	4.6215E-6
	14.00000	6.00000	99.56000	-0.65702	99.121	-0.013679	-0.62731	5.2777E-6
	15.00000	6.00000	99.56000	-0.74428	99.121	-0.020161	-0.77327	6.3141E-6
	16.00000	6.00000	99.56000	-0.86141	99.121	-0.031177	-0.99950	7.8642E-6
	17.00000	6.00000	99.56000	-1.0137	99.121	-0.049624	-1.3297	9.9890E-6
	18.00000	6.00000	99.56000	-1.2040	99.121	-0.080398	-1.7897	12.654E-6
	19.00000	6.00000	99.56000	-1.4321	99.121	-0.13067	-2.4035	15.676E-6
	20.00000	6.00000	99.56000	-1.6911	99.121	-0.20674	-3.1733	18.709E-6
	21.00000	6.00000	99.56000	-1.9644	99.121	-0.30425	-4.0445	21.479E-6
	22.00000	6.00000	99.56000	-2.2258	99.121	-0.40252	-4.8984	24.037E-6
	23.00000	6.00000	99.56000	-2.4484	99.121	-0.48089	-5.6128	26.401E-6
	24.00000	6.00000	99.56000	-2.6131	99.121	-0.53420	-6.1195	28.210E-6
	25.00000	6.00000	99.56000	-2.7086	99.121	-0.56432	-6.3903	29.081E-6
	26.00000	6.00000	99.56000	-2.7286	99.121	-0.56855	-6.4015	28.944E-6
	27.00000	6.00000	99.56000	-2.6714	99.121	-0.53980	-6.1314	27.999E-6
	28.00000	6.00000	99.56000	-2.5420	99.121	-0.47229	-5.5827	26.609E-6
	29.00000	6.00000	99.56000	-2.3551	99.121	-0.37085	-4.8152	25.071E-6
	30.00000	6.00000	99.56000	-2.1352	99.121	-0.25962	-3.9582	23.236E-6
	31.00000	6.00000	99.56000	-1.9085	99.121	-0.16737	-3.1549	20.818E-6
	32.00000	6.00000	99.56000	-1.6937	99.121	-0.10447	-2.4856	17.992E-6
	33.00000	6.00000	99.56000	-1.4995	99.121	-0.065536	-1.9614	15.180E-6
	34.00000	6.00000	99.56000	-1.3279	99.121	-0.042062	-1.5606	12.663E-6
	35.00000	6.00000	99.56000	-1.1777	99.121	-0.027771	-1.2549	10.534E-6
	36.00000	6.00000	99.56000	-1.0469	99.121	-0.018859	-1.0203	8.7807E-6
	37.00000	6.00000	99.56000	-0.93281	99.121	-0.013143	-0.83843	7.3525E-6
	38.00000	6.00000	99.56000	-0.83323	99.121	-0.0093735	-0.69590	6.1917E-6
	39.00000	6.00000	99.56000	-0.74608	99.121	-0.0068236	-0.58294	5.2464E-6
	40.00000	6.00000	99.56000	-0.66958	99.121	-0.0050585	-0.49247	4.4731E-6
	41.00000	6.00000	99.56000	-0.60223	99.121	-0.0038111	-0.41929	3.8372E-6
	42.00000	6.00000	99.56000	-0.54276	99.121	-0.0029131	-0.35955	3.3112E-6
	43.00000	6.00000	99.56000	-0.49008	99.121	-0.0022560	-0.31037	2.8733E-6
	44.00000	6.00000	99.56000	-0.44330	99.121	-0.0017679	-0.26957	2.5066E-6
	45.00000	6.00000	99.56000	-0.40163	99.121	-0.0014004	-0.23546	2.1978E-6
	46.00000	6.00000	99.56000	-0.36443	99.121	-0.0011203	-0.20675	1.9362E-6
	47.00000	6.00000	99.56000	-0.33113	99.121	-904.35E-6	-0.18244	1.7134E-6
	48.00000	6.00000	99.56000	-0.30125	99.121	-736.18E-6	-0.16173	1.5227E-6
	49.00000	6.00000	99.56000	-0.27440	99.121	-603.94E-6	-0.14398	1.3586E-6
	50.00000	6.00000	99.56000	-0.25021	99.121	-499.04E-6	-0.12870	1.2168E-6
	0.00000	7.00000	99.56000	-0.21166	99.121	-604.51E-6	-0.13095	1.2325E-6
	1.00000	7.00000	99.56000	-0.23043	99.121	-733.89E-6	-0.14589	1.3696E-6
	2.00000	7.00000	99.56000	-0.25085	99.121	-896.62E-6	-0.16297	1.5254E-6
	3.00000	7.00000	99.56000	-0.27301	99.121	-0.0011026	-0.18250	1.7026E-6
	4.00000	7.00000	99.56000	-0.29700	99.121	-0.0013648	-0.20484	1.9035E-6
	5.00000	7.00000	99.56000	-0.32285	99.121	-0.0017004	-0.23031	2.1305E-6
	6.00000	7.00000	99.56000	-0.35055	99.121	-0.0021317	-0.25917	2.3849E-6
	7.00000	7.00000	99.56000	-0.37996	99.121	-0.0026867	-0.29151	2.6657E-6
	8.00000	7.00000	99.56000	-0.41083	99.121	-0.0033977	-0.32695	2.9674E-6
	9.00000	7.00000	99.56000	-0.44270	99.121	-0.0042934	-0.36418	3.2758E-6
	10.00000	7.00000	99.56000	-0.47489	99.121	-0.0053688	-0.40000	3.5601E-6
	11.00000	7.00000	99.56000	-0.50672	99.121	-0.0064951	-0.42797	3.7654E-6
	12.00000	7.00000	99.56000	-0.53853	99.121	-0.0072646	-0.43890	3.8265E-6

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	7.00000	99.56000	-0.57456	99.121	-0.0074183	-0.43444	3.7744E-6
	14.00000	7.00000	99.56000	-0.62674	99.121	-0.0090729	-0.45830	3.9093E-6
	15.00000	7.00000	99.56000	-0.71135	99.121	-0.016202	-0.57991	4.6724E-6
	16.00000	7.00000	99.56000	-0.84136	99.121	-0.032143	-0.84550	6.3174E-6
	17.00000	7.00000	99.56000	-1.0256	99.121	-0.062719	-1.2926	8.8694E-6
	18.00000	7.00000	99.56000	-1.2716	99.121	-0.12133	-1.9795	12.114E-6
	19.00000	7.00000	99.56000	-1.5850	99.121	-0.23595	-2.9940	15.278E-6
	20.00000	7.00000	99.56000	-1.9644	99.121	-0.44988	-4.4169	16.626E-6
	21.00000	7.00000	99.56000	-2.3858	99.121	-0.77192	-6.1771	14.961E-6
	22.00000	7.00000	99.56000	-2.7949	99.121	-1.0972	-7.9264	13.004E-6
	23.00000	7.00000	99.56000	-3.1364	99.121	-1.3229	-9.3155	13.338E-6
	24.00000	7.00000	99.56000	-3.3834	99.121	-1.4629	-10.261	14.364E-6
	25.00000	7.00000	99.56000	-3.5259	99.121	-1.5538	-10.788	14.188E-6
	26.00000	7.00000	99.56000	-3.5556	99.121	-1.5852	-10.858	13.033E-6
	27.00000	7.00000	99.56000	-3.4653	99.121	-1.5228	-10.385	12.083E-6
	28.00000	7.00000	99.56000	-3.2569	99.121	-1.3281	-9.3112	12.996E-6
	29.00000	7.00000	99.56000	-2.9515	99.121	-0.98603	-7.7100	17.363E-6
	30.00000	7.00000	99.56000	-2.5990	99.121	-0.60326	-5.9307	22.371E-6
	31.00000	7.00000	99.56000	-2.2564	99.121	-0.32838	-4.3961	23.481E-6
	32.00000	7.00000	99.56000	-1.9535	99.121	-0.17694	-3.2558	21.239E-6
	33.00000	7.00000	99.56000	-1.6957	99.121	-0.099472	-2.4498	17.936E-6
	34.00000	7.00000	99.56000	-1.4782	99.121	-0.059010	-1.8803	14.773E-6
	35.00000	7.00000	99.56000	-1.2947	99.121	-0.036796	-1.4709	12.100E-6
	36.00000	7.00000	99.56000	-1.1391	99.121	-0.023944	-1.1704	9.9381E-6
	37.00000	7.00000	99.56000	-1.0063	99.121	-0.016147	-0.94528	8.2123E-6
	38.00000	7.00000	99.56000	-0.89251	99.121	-0.011221	-0.77358	6.8363E-6
	39.00000	7.00000	99.56000	-0.79431	99.121	-0.0079985	-0.64045	5.7348E-6
	40.00000	7.00000	99.56000	-0.70916	99.121	-0.0058273	-0.53573	4.8472E-6
	41.00000	7.00000	99.56000	-0.63496	99.121	-0.0043267	-0.45230	4.1268E-6
	42.00000	7.00000	99.56000	-0.57001	99.121	-0.0032665	-0.38506	3.5376E-6
	43.00000	7.00000	99.56000	-0.51292	99.121	-0.0025029	-0.33032	3.0520E-6
	44.00000	7.00000	99.56000	-0.46255	99.121	-0.0019433	-0.28533	2.6490E-6
	45.00000	7.00000	99.56000	-0.41794	99.121	-0.0015270	-0.24803	2.3122E-6
	46.00000	7.00000	99.56000	-0.37832	99.121	-0.0012129	-0.21687	2.0288E-6
	47.00000	7.00000	99.56000	-0.34301	99.121	-972.99E-6	-0.19066	1.7890E-6
	48.00000	7.00000	99.56000	-0.31147	99.121	-787.64E-6	-0.16845	1.5848E-6
	49.00000	7.00000	99.56000	-0.28321	99.121	-642.96E-6	-0.14952	1.4099E-6
	50.00000	7.00000	99.56000	-0.25784	99.121	-528.91E-6	-0.13329	1.2595E-6
	0.00000	8.00000	99.56000	-0.21793	99.121	-647.43E-6	-0.13588	1.2777E-6
	1.00000	8.00000	99.56000	-0.23755	99.121	-790.56E-6	-0.15180	1.4235E-6
	2.00000	8.00000	99.56000	-0.25892	99.121	-972.07E-6	-0.17008	1.5899E-6
	3.00000	8.00000	99.56000	-0.28214	99.121	-0.0012039	-0.19107	1.7796E-6
	4.00000	8.00000	99.56000	-0.30727	99.121	-0.0015018	-0.21516	1.9955E-6
	5.00000	8.00000	99.56000	-0.33432	99.121	-0.0018868	-0.24269	2.2396E-6
	6.00000	8.00000	99.56000	-0.36317	99.121	-0.0023861	-0.27387	2.5124E-6
	7.00000	8.00000	99.56000	-0.39352	99.121	-0.0030331	-0.30854	2.8104E-6
	8.00000	8.00000	99.56000	-0.42476	99.121	-0.0038618	-0.34563	3.1213E-6
	9.00000	8.00000	99.56000	-0.45572	99.121	-0.0048807	-0.38192	3.4134E-6
	10.00000	8.00000	99.56000	-0.48429	99.121	-0.0059586	-0.40879	3.6109E-6
	11.00000	8.00000	99.56000	-0.50685	99.121	-0.0062810	-0.40333	3.5394E-6
	12.00000	8.00000	99.56000	-0.51789	99.121	-0.0014608	-0.30405	2.8583E-6
	13.00000	8.00000	99.56000	-0.51508	99.121	0.025082	355.48E-6	1.4533E-6
	14.00000	8.00000	99.56000	-0.52291	99.121	0.061546	0.36230	0.0
	15.00000	8.00000	99.56000	-0.58460	99.121	0.065283	0.42052	0.0
	16.00000	8.00000	99.56000	-0.72002	99.121	0.044894	0.15537	1.1034E-6
	17.00000	8.00000	99.56000	-0.93875	99.121	-0.0036250	-0.43069	3.9584E-6
	18.00000	8.00000	99.56000	-1.2543	99.121	-0.11204	-1.4429	7.4601E-6
	19.00000	8.00000	99.56000	-1.6885	99.121	-0.37725	-3.1399	8.4831E-6
	20.00000	8.00000	99.56000	-2.2684	99.121	-1.0623	-5.9717	-3.8929E-6
	21.00000	8.00000	99.56000	-2.9825	99.121	-2.4680	-10.144	-45.140E-6
	22.00000	8.00000	99.56000	-3.6849	99.121	-3.8823	-14.322	-86.838E-6
	23.00000	8.00000	99.56000	-4.2297	99.121	-4.6052	-17.184	-101.12E-6
	24.00000	8.00000	99.56000	-4.6050	99.121	-4.9868	-18.971	-105.99E-6
	25.00000	8.00000	99.56000	-4.8277	99.121	-5.3340	-20.078	-115.44E-6
	26.00000	8.00000	99.56000	-4.8822	99.121	-5.5354	-20.389	-124.13E-6
	27.00000	8.00000	99.56000	-4.7441	99.121	-5.4189	-19.599	-125.01E-6
	28.00000	8.00000	99.56000	-4.3979	99.121	-4.8091	-17.409	-110.79E-6
	29.00000	8.00000	99.56000	-3.8521	99.121	-3.3560	-13.649	-62.787E-6
	30.00000	8.00000	99.56000	-3.2255	99.121	-1.6232	-9.3984	-3.2960E-6
	31.00000	8.00000	99.56000	-2.6796	99.121	-0.67160	-6.2319	21.318E-6
	32.00000	8.00000	99.56000	-2.2481	99.121	-0.29756	-4.2591	23.945E-6
	33.00000	8.00000	99.56000	-1.9080	99.121	-0.14768	-3.0351	20.802E-6
	34.00000	8.00000	99.56000	-1.6358	99.121	-0.080772	-2.2427	17.018E-6
	35.00000	8.00000	99.56000	-1.4144	99.121	-0.047634	-1.7064	13.751E-6
	36.00000	8.00000	99.56000	-1.2317	99.121	-0.029770	-1.3294	11.139E-6
	37.00000	8.00000	99.56000	-1.0791	99.121	-0.019472	-1.0559	9.0904E-6
	38.00000	8.00000	99.56000	-0.95047	99.121	-0.013211	-0.85257	7.4854E-6
	39.00000	8.00000	99.56000	-0.84098	99.121	-0.0092365	-0.69804	6.2204E-6
	40.00000	8.00000	99.56000	-0.74712	99.121	-0.0066228	-0.57850	5.2150E-6
	41.00000	8.00000	99.56000	-0.66611	99.121	-0.0048521	-0.48457	4.4087E-6
	42.00000	8.00000	99.56000	-0.59577	99.121	-0.0036218	-0.40976	3.7560E-6
	43.00000	8.00000	99.56000	-0.53438	99.121	-0.0027481	-0.34946	3.2231E-6
	44.00000	8.00000	99.56000	-0.48055	99.121	-0.0021158	-0.30034	2.7843E-6
	45.00000	8.00000	99.56000	-0.43313	99.121	-0.0016503	-0.25993	2.4202E-6
	46.00000	8.00000	99.56000	-0.39120	99.121	-0.0013024	-0.22640	2.1158E-6
	47.00000	8.00000	99.56000	-0.35399	99.121	-0.0010388	-0.19834	1.8596E-6
	48.00000	8.00000	99.56000	-0.32087	99.121	-836.69E-6	-0.17471	1.6425E-6
	49.00000	8.00000	99.56000	-0.29130	99.121	-679.91E-6	-0.15465	1.4575E-6
	50.00000	8.00000	99.56000	-0.26482	99.121	-557.06E-6	-0.13753	1.2989E-6
	0.00000	9.00000	99.56000	-0.22392	99.121	-689.83E-6	-0.14059	1.3208E-6
	1.00000	9.00000	99.56000	-0.24439	99.121	-847.21E-6	-0.15750	1.4754E-6
	2.00000	9.00000	99.56000	-0.26674	99.121	-0.0010485	-0.17701	1.6525E-6
	3.00000	9.00000	99.56000	-0.29106	99.121	-0.0013080	-0.19952	1.8553E-6
	4.00000	9.00000	99.56000	-0.31742	99.121	-0.0016449	-0.22547	2.0870E-6
	5.00000	9.00000	99.56000	-0.34579	99.121	-0.0020852	-0.25526	2.3497E-6
	6.00000	9.00000	99.56000	-0.37600	99.121	-0.0026628	-0.28907	2.6434E-6
	7.00000	9.00000	99.56000	-0.40757	99.121	-0.0034189	-0.32655	2.9623E-6
	8.00000	9.00000	99.56000	-0.43953	99.121	-0.0043927	-0.36596	3.2873E-6
	9.00000	9.00000	99.56000	-0.46993	99.121	-0.0055710	-0.40191	3.5668E-6
	10.00000	9.00000	99.56000	-0.49488	99.121	-0.0066402	-0.41870	3.6673E-6
	11.00000	9.00000	99.56000	-0.50626	99.121	-0.0053595	-0.36544	3.2260E-6
	12.00000	9.00000	99.56000	-0.48455	99.121	0.021937	-0.018631	1.4544E-6
	13.00000	9.00000	99.56000	-0.36170	99.121	0.83037	2.3485	25.494E-6
	14.00000	9.00000	99.56000	-0.15452	99.121	3.0430	6.8452	110.47E-6
	15.00000	9.00000	99.56000	-0.14892	99.121	3.1623	7.7025	109.11E-6
	16.00000	9.00000	99.56000	-0.27643	99.121	3.1440	7.5407	109.61E-6
	17.00000	9.00000	99.56000	-0.52866	99.121	3.0730	6.8124	112.53E-6
	18.00000	9.00000	99.56000	-0.92369	99.121	2.8915	5.3905	115.75E-6
	19.00000	9.00000	99.56000	-1.5127	99.121	2.3468	2.6903	110.26E-6
	20.00000	9.00000	99.56000	-2.4110	99.121	0.32965	-2.8940	47.158E-6
	21.00000	9.00000	99.56000	-3.8184	99.121	-7.1507	-15.262	-267.57E-6
	22.00000	9.00000	99.56000	-5.2156	99.121	-14.648	-27.661	-583.00E-6
	23.00000	9.00000	99.56000	-6.0862	99.121	-16.753	-33.389	-649.78E-6
	24.00000	9.00000	99.56000	-6.6419	99.121	-17.677	-36.552	-672.81E-6
	25.00000	9.00000	99.56000	-7.0112	99.121	-19.106	-38.942	-732.71E-6
	26.00000	9.00000	99.56000	-7.1339	99.121	-20.096	-39.987	-780.09E-6
	27.00000	9.00000	99.56000	-6.9374	99.121	-19.945	-38.805	-782.73E-6
	28.00000	9.00000	99.56000	-6.3722	99.121	-18.262	-34.587	-725.82E-6
	29.00000	9.00000	99.56000	-5.3141	99.121	-12.252	-25.663	-463.18E-6
	30.00000	9.00000	99.56000	-4.0571	99.121	-4.3181	-15.089	-104.73E-6
	31.00000	9.00000	99.56000	-3.1662	99.121	-1.2832	-8.6879	9.5705E-6
	32.00000	9.00000	99.56000	-2.5638	99.121	-0.46800	-5.4506	25.580E-6
	33.00000	9.00000	99.56000	-2.1268	99.121	-0.20774	-3.6848	23.603E-6
	34.00000	9.00000	99.56000	-1.7940	99.121	-0.10598	-2.6284	19.287E-6
	35.00000	9.00000	99.56000	-1.5322	99.121	-0.059618	-1.9498	15.411E-6
	36.00000	9.00000	99.56000	-1.3214	99.121	-0.036004	-1.4900	12.332E-6
	37.00000	9.00000	99.56000	-1.1488	99.121	-0.022942	-1.1658	9.9519E-6
	38.00000	9.00000	99.56000	-1.0053	99.121	-0.015246	-0.92980	8.1147E-6
	39.00000	9.00000	99.56000	-0.88476	99.121	-0.010482	-0.75364	6.6862E-6
	40.00000	9.00000	99.56000	-0.78245	99.121	-0.0074113	-0.61932	5.5644E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	41.00000	9.00000	99.56000	-0.69490	99.121	-0.0053662	-0.51508	4.6741E-6
	42.00000	9.00000	99.56000	-0.61945	99.121	-0.0039656	-0.43291	3.9602E-6
	43.00000	9.00000	99.56000	-0.55400	99.121	-0.0029832	-0.36728	3.3819E-6
	44.00000	9.00000	99.56000	-0.49692	99.121	-0.0022796	-0.31422	2.9091E-6
	45.00000	9.00000	99.56000	-0.44688	99.121	-0.0017665	-0.27086	2.5193E-6
	46.00000	9.00000	99.56000	-0.40282	99.121	-0.0013861	-0.23510	2.1952E-6
	47.00000	9.00000	99.56000	-0.36387	99.121	-0.0011000	-0.20534	1.9237E-6
	48.00000	9.00000	99.56000	-0.32930	99.121	-882.01E-6	-0.18038	1.6948E-6
	49.00000	9.00000	99.56000	-0.29853	99.121	-713.89E-6	-0.15929	1.5004E-6
	50.00000	9.00000	99.56000	-0.27105	99.121	-582.81E-6	-0.14135	1.3343E-6
	0.00000	10.00000	99.56000	-0.22956	99.121	-730.88E-6	-0.14501	1.3612E-6
	1.00000	10.00000	99.56000	-0.25089	99.121	-902.75E-6	-0.16291	1.5245E-6
	2.00000	10.00000	99.56000	-0.27424	99.121	-0.0011245	-0.18366	1.7124E-6
	3.00000	10.00000	99.56000	-0.29972	99.121	-0.0014133	-0.20774	1.9288E-6
	4.00000	10.00000	99.56000	-0.32742	99.121	-0.0017925	-0.23569	2.1773E-6
	5.00000	10.00000	99.56000	-0.35731	99.121	-0.0022943	-0.26797	2.4606E-6
	6.00000	10.00000	99.56000	-0.38919	99.121	-0.0029621	-0.30487	2.7790E-6
	7.00000	10.00000	99.56000	-0.42248	99.121	-0.0038504	-0.34601	3.1257E-6
	8.00000	10.00000	99.56000	-0.45598	99.121	-0.0050138	-0.38930	3.4771E-6
	9.00000	10.00000	99.56000	-0.48715	99.121	-0.0064441	-0.42794	3.7681E-6
	10.00000	10.00000	99.56000	-0.51075	99.121	-0.0077382	-0.44128	3.8220E-6
	11.00000	10.00000	99.56000	-0.51505	99.121	-0.0058329	-0.35881	3.1344E-6
	12.00000	10.00000	99.56000	-0.46949	99.121	0.033895	0.15267	0.0
	13.00000	10.00000	99.56000	-0.23723	99.121	1.6325	4.3014	53.178E-6
	14.00000	10.00000	99.56000	0.47365	99.121	11.758	18.469	504.14E-6
	15.00000	10.00000	99.56000	0.61922	99.121	12.828	21.885	533.20E-6
	16.00000	10.00000	99.56000	0.51285	99.121	12.828	21.972	532.35E-6
	17.00000	10.00000	99.56000	0.23154	99.121	12.734	21.124	535.12E-6
	18.00000	10.00000	99.56000	-0.24204	99.121	12.474	19.282	537.85E-6
	19.00000	10.00000	99.56000	-0.99039	99.121	11.615	15.508	524.48E-6
	20.00000	10.00000	99.56000	-2.2386	99.121	7.9406	6.7424	395.91E-6
	21.00000	10.00000	99.56000	-4.6195	99.121	-10.624	-18.345	-439.47E-6
	22.00000	10.00000	99.56000	-6.9918	99.121	-29.216	-43.490	-0.0012759
	23.00000	10.00000	99.56000	-8.2205	99.121	-33.033	-52.523	-0.0014101
	24.00000	10.00000	99.56000	-8.9662	99.121	-34.594	-57.194	-0.0014555
	25.00000	10.00000	99.56000	-9.5065	99.121	-37.521	-61.125	-0.0015875
	26.00000	10.00000	99.56000	-9.7139	99.121	-39.599	-63.090	-0.0016891
	27.00000	10.00000	99.56000	-9.4567	99.121	-39.426	-61.504	-0.0016945
	28.00000	10.00000	99.56000	-8.6494	99.121	-36.442	-54.996	-0.0015842
	29.00000	10.00000	99.56000	-6.9727	99.121	-24.241	-39.804	-0.0010226
	30.00000	10.00000	99.56000	-4.9339	99.121	-7.6416	-21.408	-236.59E-6
	31.00000	10.00000	99.56000	-3.6542	99.121	-1.9681	-11.268	-5.2322E-6
	32.00000	10.00000	99.56000	-2.8723	99.121	-0.64923	-6.6628	26.787E-6
	33.00000	10.00000	99.56000	-2.3368	99.121	-0.26983	-4.3318	26.259E-6
	34.00000	10.00000	99.56000	-1.9436	99.121	-0.13156	-3.0061	21.458E-6
	35.00000	10.00000	99.56000	-1.6423	99.121	-0.071591	-2.1846	16.989E-6
	36.00000	10.00000	99.56000	-1.4045	99.121	-0.042149	-1.6430	13.456E-6
	37.00000	10.00000	99.56000	-1.2126	99.121	-0.026319	-1.2691	10.756E-6
	38.00000	10.00000	99.56000	-1.0552	99.121	-0.017204	-1.0017	8.6971E-6
	39.00000	10.00000	99.56000	-0.92423	99.121	-0.011666	-0.80490	7.1136E-6
	40.00000	10.00000	99.56000	-0.81409	99.121	-0.0081535	-0.65664	5.8825E-6
	41.00000	10.00000	99.56000	-0.72054	99.121	-0.0058455	-0.54274	4.9141E-6
	42.00000	10.00000	99.56000	-0.64042	99.121	-0.0042833	-0.45376	4.1435E-6
	43.00000	10.00000	99.56000	-0.57131	99.121	-0.0031985	-0.38322	3.5236E-6
	44.00000	10.00000	99.56000	-0.51131	99.121	-0.0024286	-0.32656	3.0200E-6
	45.00000	10.00000	99.56000	-0.45893	99.121	-0.0018714	-0.28054	2.6069E-6
	46.00000	10.00000	99.56000	-0.41297	99.121	-0.0014613	-0.24277	2.2651E-6
	47.00000	10.00000	99.56000	-0.37247	99.121	-0.0011547	-0.21148	1.9800E-6
	48.00000	10.00000	99.56000	-0.33663	99.121	-922.29E-6	-0.18533	1.7404E-6
	49.00000	10.00000	99.56000	-0.30480	99.121	-743.95E-6	-0.16332	1.5377E-6
	50.00000	10.00000	99.56000	-0.27644	99.121	-605.51E-6	-0.14466	1.3651E-6
	0.00000	11.00000	99.56000	-0.23478	99.121	-769.57E-6	-0.14907	1.3982E-6
	1.00000	11.00000	99.56000	-0.25697	99.121	-955.84E-6	-0.16793	1.5700E-6
	2.00000	11.00000	99.56000	-0.28134	99.121	-0.0011983	-0.18992	1.7687E-6
	3.00000	11.00000	99.56000	-0.30804	99.121	-0.0015174	-0.21561	1.9989E-6
	4.00000	11.00000	99.56000	-0.33720	99.121	-0.0019416	-0.24566	2.2651E-6
	5.00000	11.00000	99.56000	-0.36883	99.121	-0.0025111	-0.28070	2.5713E-6
	6.00000	11.00000	99.56000	-0.40277	99.121	-0.0032824	-0.32124	2.9188E-6
	7.00000	11.00000	99.56000	-0.43847	99.121	-0.0043305	-0.36714	3.3023E-6
	8.00000	11.00000	99.56000	-0.47469	99.121	-0.0057438	-0.41657	3.6987E-6
	9.00000	11.00000	99.56000	-0.50878	99.121	-0.0075693	-0.46292	4.0413E-6
	10.00000	11.00000	99.56000	-0.53516	99.121	-0.0095179	-0.48561	4.1478E-6
	11.00000	11.00000	99.56000	-0.54161	99.121	-0.0091873	-0.41764	3.5090E-6
	12.00000	11.00000	99.56000	-0.49907	99.121	0.013327	0.0042514	0.0
	13.00000	11.00000	99.56000	-0.32538	99.121	0.41691	2.3684	1.2883E-6
	14.00000	11.00000	99.56000	0.45097	99.121	10.975	17.385	469.12E-6
	15.00000	11.00000	99.56000	0.71982	99.121	13.048	23.309	532.16E-6
	16.00000	11.00000	99.56000	0.63990	99.121	13.089	23.769	530.12E-6
	17.00000	11.00000	99.56000	0.33589	99.121	12.977	22.843	532.59E-6
	18.00000	11.00000	99.56000	-0.20328	99.121	12.656	20.658	535.09E-6
	19.00000	11.00000	99.56000	-1.0771	99.121	11.596	16.087	517.73E-6
	20.00000	11.00000	99.56000	-2.5580	99.121	7.1694	5.4578	363.55E-6
	21.00000	11.00000	99.56000	-5.3276	99.121	-13.521	-23.388	-558.91E-6
	22.00000	11.00000	99.56000	-8.0893	99.121	-34.245	-52.309	-0.0014826
	23.00000	11.00000	99.56000	-9.5541	99.121	-38.850	-63.285	-0.0016437
	24.00000	11.00000	99.56000	-10.438	99.121	-40.761	-68.983	-0.0016996
	25.00000	11.00000	99.56000	-11.072	99.121	-44.164	-73.706	-0.0018515
	26.00000	11.00000	99.56000	-11.312	99.121	-46.578	-76.052	-0.0019690
	27.00000	11.00000	99.56000	-10.998	99.121	-46.350	-74.097	-0.0019747
	28.00000	11.00000	99.56000	-10.021	99.121	-42.722	-66.118	-0.0018412
	29.00000	11.00000	99.56000	-8.0170	99.121	-28.447	-47.760	-0.0011899
	30.00000	11.00000	99.56000	-5.5968	99.121	-9.2114	-25.651	-286.69E-6
	31.00000	11.00000	99.56000	-4.0657	99.121	-2.4149	-13.301	-11.498E-6
	32.00000	11.00000	99.56000	-3.1417	99.121	-0.78982	-7.6945	28.609E-6
	33.00000	11.00000	99.56000	-2.5218	99.121	-0.32218	-4.9003	28.722E-6
	34.00000	11.00000	99.56000	-2.0753	99.121	-0.15399	-3.3416	23.403E-6
	35.00000	11.00000	99.56000	-1.7388	99.121	-0.082276	-2.3934	18.389E-6
	36.00000	11.00000	99.56000	-1.4767	99.121	-0.047664	-1.7786	14.448E-6
	37.00000	11.00000	99.56000	-1.2678	99.121	-0.029349	-1.3602	11.462E-6
	38.00000	11.00000	99.56000	-1.0980	99.121	-0.018953	-1.0646	9.2044E-6
	39.00000	11.00000	99.56000	-0.95798	99.121	-0.012718	-0.84943	7.4836E-6
	40.00000	11.00000	99.56000	-0.84101	99.121	-0.0088082	-0.68885	6.1563E-6
	41.00000	11.00000	99.56000	-0.74225	99.121	-0.0062655	-0.56648	5.1194E-6
	42.00000	11.00000	99.56000	-0.65811	99.121	-0.0045597	-0.47155	4.2996E-6
	43.00000	11.00000	99.56000	-0.58585	99.121	-0.0033848	-0.39674	3.6438E-6
	44.00000	11.00000	99.56000	-0.52336	99.121	-0.0025567	-0.33699	3.1135E-6
	45.00000	11.00000	99.56000	-0.46899	99.121	-0.0019612	-0.28868	2.6805E-6
	46.00000	11.00000	99.56000	-0.42143	99.121	-0.0015253	-0.24920	2.3236E-6
	47.00000	11.00000	99.56000	-0.37962	99.121	-0.0012010	-0.21661	2.0269E-6
	48.00000	11.00000	99.56000	-0.34271	99.121	-956.28E-6	-0.18947	1.7784E-6
	49.00000	11.00000	99.56000	-0.31000	99.121	-769.22E-6	-0.16668	1.5688E-6
	50.00000	11.00000	99.56000	-0.28090	99.121	-624.52E-6	-0.14741	1.3906E-6
	0.00000	12.00000	99.56000	-0.23950	99.121	-804.80E-6	-0.15267	1.4311E-6
	1.00000	12.00000	99.56000	-0.26253	99.121	-0.0010049	-0.17245	1.6109E-6
	2.00000	12.00000	99.56000	-0.28792	99.121	-0.0012678	-0.19564	1.8201E-6
	3.00000	12.00000	99.56000	-0.31589	99.121	-0.0016173	-0.22294	2.0641E-6
	4.00000	12.00000	99.56000	-0.34661	99.121	-0.0020881	-0.25516	2.3486E-6
	5.00000	12.00000	99.56000	-0.38019	99.121	-0.0027303	-0.29319	2.6794E-6
	6.00000	12.00000	99.56000	-0.41658	99.121	-0.0036173	-0.33787	3.0604E-6
	7.00000	12.00000	99.56000	-0.45541	99.121	-0.0048546	-0.38966	3.4899E-6
	8.00000	12.00000	99.56000	-0.49567	99.121	-0.0065858	-0.44769	3.9510E-6
	9.00000	12.00000	99.56000	-0.53510	99.121	-0.0089691	-0.50714	4.3881E-6
	10.00000	12.00000	99.56000	-0.56884	99.121	-0.011993	-0.55190	4.6457E-6
	11.00000	12.00000	99.56000	-0.58650	99.121	-0.014387	-0.53062	4.3007E-6
	12.00000	12.00000	99.56000	-0.56497	99.121	-0.0056741	-0.26223	2.2088E-6
	13.00000	12.00000	99.56000	-0.44727	99.121	0.14231	1.1149	-2.5272E-6
	14.00000	12.00000	99.56000	-0.0062353	99.121	4.1376	9.7774	145.66E-6
	15.00000	12.00000	99.56000	0.61323	99.121	12.894	22.491	531.15E-6
	16.00000	12.00000	99.56000	0.56360	99.121	13.058	23.589	530.03E-6
	17.00000	12.00000	99.56000	0.24283	99.121	12.932	22.631	532.00E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	18.00000	12.00000	99.56000	-0.34416	99.121	12.570	20.206	534.47E-6
	19.00000	12.00000	99.56000	-1.2984	99.121	11.417	15.172	516.19E-6
	20.00000	12.00000	99.56000	-2.9006	99.121	6.7704	3.7294	357.12E-6
	21.00000	12.00000	99.56000	-5.8296	99.121	-14.319	-26.308	-577.00E-6
	22.00000	12.00000	99.56000	-8.7495	99.121	-35.446	-56.425	-0.0015125
	23.00000	12.00000	99.56000	-10.333	99.121	-40.287	-68.237	-0.0016793
	24.00000	12.00000	99.56000	-11.295	99.121	-42.337	-74.457	-0.0017382
	25.00000	12.00000	99.56000	-11.969	99.121	-45.844	-79.486	-0.0018932
	26.00000	12.00000	99.56000	-12.211	99.121	-48.298	-81.885	-0.0020125
	27.00000	12.00000	99.56000	-11.853	99.121	-48.015	-79.649	-0.0020176
	28.00000	12.00000	99.56000	-10.777	99.121	-44.178	-70.950	-0.0018790
	29.00000	12.00000	99.56000	-8.6221	99.121	-29.468	-51.396	-0.0012139
	30.00000	12.00000	99.56000	-6.0356	99.121	-9.7311	-27.958	-294.54E-6
	31.00000	12.00000	99.56000	-4.3689	99.121	-2.6296	-14.627	-11.142E-6
	32.00000	12.00000	99.56000	-3.3510	99.121	-0.87623	-8.4464	30.869E-6
	33.00000	12.00000	99.56000	-2.6688	99.121	-0.35909	-5.3394	30.829E-6
	34.00000	12.00000	99.56000	-2.1809	99.121	-0.17101	-3.6081	24.993E-6
	35.00000	12.00000	99.56000	-1.8162	99.121	-0.090709	-2.5613	19.524E-6
	36.00000	12.00000	99.56000	-1.5346	99.121	-0.052100	-1.8879	15.248E-6
	37.00000	12.00000	99.56000	-1.3119	99.121	-0.031805	-1.4335	12.029E-6
	38.00000	12.00000	99.56000	-1.1321	99.121	-0.020373	-1.1151	9.6109E-6
	39.00000	12.00000	99.56000	-0.98475	99.121	-0.013570	-0.88505	7.7789E-6
	40.00000	12.00000	99.56000	-0.86228	99.121	-0.0093372	-0.71449	6.3738E-6
	41.00000	12.00000	99.56000	-0.75936	99.121	-0.0066033	-0.58529	5.2819E-6
	42.00000	12.00000	99.56000	-0.67201	99.121	-0.0047811	-0.48559	4.4226E-6
	43.00000	12.00000	99.56000	-0.59725	99.121	-0.0035333	-0.40738	3.7382E-6
	44.00000	12.00000	99.56000	-0.53279	99.121	-0.0026584	-0.34517	3.1868E-6
	45.00000	12.00000	99.56000	-0.47685	99.121	-0.0020322	-0.29505	2.7380E-6
	46.00000	12.00000	99.56000	-0.42802	99.121	-0.0015756	-0.25421	2.3692E-6
	47.00000	12.00000	99.56000	-0.38518	99.121	-0.0012373	-0.22060	2.0634E-6
	48.00000	12.00000	99.56000	-0.34743	99.121	-982.86E-6	-0.19267	1.8079E-6
	49.00000	12.00000	99.56000	-0.31403	99.121	-788.93E-6	-0.16928	1.5928E-6
	50.00000	12.00000	99.56000	-0.28436	99.121	-639.31E-6	-0.14954	1.4104E-6
	0.00000	13.00000	99.56000	-0.24364	99.121	-835.36E-6	-0.15574	1.4590E-6
	1.00000	13.00000	99.56000	-0.26747	99.121	-0.0010482	-0.17635	1.6461E-6
	2.00000	13.00000	99.56000	-0.29386	99.121	-0.0013302	-0.20067	1.8652E-6
	3.00000	13.00000	99.56000	-0.32309	99.121	-0.0017092	-0.22952	2.1224E-6
	4.00000	13.00000	99.56000	-0.35542	99.121	-0.0022263	-0.26390	2.4251E-6
	5.00000	13.00000	99.56000	-0.39110	99.121	-0.0029435	-0.30500	2.7814E-6
	6.00000	13.00000	99.56000	-0.43026	99.121	-0.0039552	-0.35419	3.1987E-6
	7.00000	13.00000	99.56000	-0.47283	99.121	-0.0054067	-0.41277	3.6814E-6
	8.00000	13.00000	99.56000	-0.51829	99.121	-0.0075204	-0.48140	4.2231E-6
	9.00000	13.00000	99.56000	-0.56515	99.121	-0.010621	-0.55837	4.7880E-6
	10.00000	13.00000	99.56000	-0.61005	99.121	-0.015095	-0.63444	5.2644E-6
	11.00000	13.00000	99.56000	-0.64557	99.121	-0.020886	-0.67700	5.3402E-6
	12.00000	13.00000	99.56000	-0.65530	99.121	-0.023608	-0.57172	4.1629E-6
	13.00000	13.00000	99.56000	-0.59963	99.121	0.030572	0.18176	0.0
	14.00000	13.00000	99.56000	-0.30346	99.121	2.5191	5.9500	88.709E-6
	15.00000	13.00000	99.56000	0.35943	99.121	12.283	20.221	517.64E-6
	16.00000	13.00000	99.56000	0.35166	99.121	12.950	22.637	532.99E-6
	17.00000	13.00000	99.56000	0.015459	99.121	12.806	21.678	533.89E-6
	18.00000	13.00000	99.56000	-0.60569	99.121	12.404	19.064	535.85E-6
	19.00000	13.00000	99.56000	-1.6027	99.121	11.201	13.783	517.13E-6
	20.00000	13.00000	99.56000	-3.2525	99.121	6.4964	2.0586	357.37E-6
	21.00000	13.00000	99.56000	-6.2303	99.121	-14.659	-28.278	-577.66E-6
	22.00000	13.00000	99.56000	-9.1954	99.121	-35.850	-58.678	-0.0015141
	23.00000	13.00000	99.56000	-10.818	99.121	-40.764	-70.750	-0.0016827
	24.00000	13.00000	99.56000	-11.811	99.121	-42.947	-77.226	-0.0017467
	25.00000	13.00000	99.56000	-12.498	99.121	-46.507	-82.361	-0.0019038
	26.00000	13.00000	99.56000	-12.722	99.121	-48.851	-84.626	-0.0020180
	27.00000	13.00000	99.56000	-12.328	99.121	-48.493	-82.161	-0.0020211
	28.00000	13.00000	99.56000	-11.196	99.121	-44.581	-73.116	-0.0018814
	29.00000	13.00000	99.56000	-8.9684	99.121	-29.763	-53.089	-0.0012147
	30.00000	13.00000	99.56000	-6.3023	99.121	-9.9107	-29.144	-293.49E-6
	31.00000	13.00000	99.56000	-4.5648	99.121	-2.7235	-15.390	-9.2065E-6
	32.00000	13.00000	99.56000	-3.4919	99.121	-0.92199	-8.9190	32.786E-6
	33.00000	13.00000	99.56000	-2.7702	99.121	-0.38128	-5.6309	32.361E-6
	34.00000	13.00000	99.56000	-2.2546	99.121	-0.18206	-3.7904	26.116E-6
	35.00000	13.00000	99.56000	-1.8705	99.121	-0.096416	-2.6779	20.321E-6
	36.00000	13.00000	99.56000	-1.5753	99.121	-0.055172	-1.9643	15.810E-6
	37.00000	13.00000	99.56000	-1.3428	99.121	-0.033524	-1.4849	12.426E-6
	38.00000	13.00000	99.56000	-1.1560	99.121	-0.021371	-1.1505	9.8950E-6
	39.00000	13.00000	99.56000	-1.0035	99.121	-0.014170	-0.90993	7.9848E-6
	40.00000	13.00000	99.56000	-0.87714	99.121	-0.0097088	-0.73236	6.5251E-6
	41.00000	13.00000	99.56000	-0.77128	99.121	-0.0068400	-0.59837	5.3948E-6
	42.00000	13.00000	99.56000	-0.68168	99.121	-0.0049358	-0.49532	4.5079E-6
	43.00000	13.00000	99.56000	-0.60517	99.121	-0.0036367	-0.41474	3.8034E-6
	44.00000	13.00000	99.56000	-0.53933	99.121	-0.0027290	-0.35082	3.2373E-6
	45.00000	13.00000	99.56000	-0.48230	99.121	-0.0020813	-0.29943	2.7776E-6
	46.00000	13.00000	99.56000	-0.43259	99.121	-0.0016104	-0.25766	2.4005E-6
	47.00000	13.00000	99.56000	-0.38904	99.121	-0.0012623	-0.22334	2.0885E-6
	48.00000	13.00000	99.56000	-0.35071	99.121	-0.0010011	-0.19487	1.8282E-6
	49.00000	13.00000	99.56000	-0.31682	99.121	-802.45E-6	-0.17106	1.6092E-6
	50.00000	13.00000	99.56000	-0.28676	99.121	-649.44E-6	-0.15100	1.4239E-6
	0.00000	14.00000	99.56000	-0.24710	99.121	-860.02E-6	-0.15817	1.4811E-6
	1.00000	14.00000	99.56000	-0.27166	99.121	-0.0010838	-0.17950	1.6746E-6
	2.00000	14.00000	99.56000	-0.29899	99.121	-0.0013828	-0.20482	1.9023E-6
	3.00000	14.00000	99.56000	-0.32942	99.121	-0.0017885	-0.23508	2.1716E-6
	4.00000	14.00000	99.56000	-0.36335	99.121	-0.0023492	-0.27149	2.4915E-6
	5.00000	14.00000	99.56000	-0.40116	99.121	-0.0031393	-0.31559	2.8725E-6
	6.00000	14.00000	99.56000	-0.44325	99.121	-0.0042774	-0.36934	3.3267E-6
	7.00000	14.00000	99.56000	-0.48993	99.121	-0.0059569	-0.43510	3.8657E-6
	8.00000	14.00000	99.56000	-0.54130	99.121	-0.0085005	-0.51548	4.4960E-6
	9.00000	14.00000	99.56000	-0.59699	99.121	-0.012455	-0.61264	5.2067E-6
	10.00000	14.00000	99.56000	-0.65554	99.121	-0.018740	-0.72556	5.9348E-6
	11.00000	14.00000	99.56000	-0.71307	99.121	-0.028731	-0.84106	6.4726E-6
	12.00000	14.00000	99.56000	-0.76004	99.121	-0.043010	-0.89935	6.2075E-6
	13.00000	14.00000	99.56000	-0.77179	99.121	-0.044233	-0.62921	3.5216E-6
	14.00000	14.00000	99.56000	-0.67256	99.121	0.39957	1.7300	6.4604E-6
	15.00000	14.00000	99.56000	-0.020446	99.121	11.191	16.634	488.97E-6
	16.00000	14.00000	99.56000	0.0040215	99.121	12.672	20.790	534.74E-6
	17.00000	14.00000	99.56000	-0.36114	99.121	12.453	19.740	532.18E-6
	18.00000	14.00000	99.56000	-1.0161	99.121	11.947	16.851	530.72E-6
	19.00000	14.00000	99.56000	-2.0307	99.121	10.660	11.392	508.84E-6
	20.00000	14.00000	99.56000	-3.6696	99.121	5.9413	-0.28143	347.79E-6
	21.00000	14.00000	99.56000	-6.6061	99.121	-15.105	-30.288	-584.10E-6
	22.00000	14.00000	99.56000	-9.5206	99.121	-36.147	-60.281	-0.0015158
	23.00000	14.00000	99.56000	-11.112	99.121	-41.047	-72.164	-0.0016854
	24.00000	14.00000	99.56000	-12.110	99.121	-43.602	-78.817	-0.0017694
	25.00000	14.00000	99.56000	-12.793	99.121	-47.341	-84.001	-0.0019364
	26.00000	14.00000	99.56000	-12.971	99.121	-49.158	-85.869	-0.0020238
	27.00000	14.00000	99.56000	-12.547	99.121	-48.654	-83.175	-0.0020206
	28.00000	14.00000	99.56000	-11.388	99.121	-44.702	-73.970	-0.0018802
	29.00000	14.00000	99.56000	-9.1284	99.121	-29.853	-53.771	-0.0012133
	30.00000	14.00000	99.56000	-6.4293	99.121	-9.9707	-29.647	-292.11E-6
	31.00000	14.00000	99.56000	-4.6612	99.121	-2.7590	-15.734	-7.9346E-6
	32.00000	14.00000	99.56000	-3.5633	99.121	-0.94141	-9.1441	33.837E-6
	33.00000	14.00000	99.56000	-2.8224	99.121	-0.39151	-5.7749	33.161E-6
	34.00000	14.00000	99.56000	-2.2930	99.121	-0.18743	-3.8826	26.696E-6
	35.00000	14.00000	99.56000	-1.8990	99.121	-0.099285	-2.7375	20.732E-6
	36.00000	14.00000	99.56000	-1.5967	99.121	-0.056743	-2.0037	16.100E-6
	37.00000	14.00000	99.56000	-1.3591	99.121	-0.034411	-1.5114	12.632E-6
	38.00000	14.00000	99.56000	-1.1687	99.121	-0.021888	-1.1688	10.042E-6
	39.00000	14.00000	99.56000	-1.0134	99.121	-0.014481	-0.92278	8.0912E-6
	40.00000	14.00000	99.56000	-0.88503	99.121	-0.0099009	-0.74159	6.6033E-6
	41.00000	14.00000	99.56000	-0.77763	99.121	-0.0069621	-0.60512	5.4530E-6
	42.00000	14.00000	99.56000	-0.68684	99.121	-0.0050154	-0.50034	4.5519E-6
	43.00000	14.00000	99.56000	-0.60940	99.121	-0.0036898	-0.41854	3.8371E-6
	44.00000	14.00000	99.56000	-0.54284	99.121	-0.0027652	-0.35373	3.2634E-6
	45.00000	14.00000	99.56000	-0.48522	99.121	-0.0021064	-0.30170	2.7980E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	46.00000	14.00000	99.56000	-0.43504	99.121	-0.0016282	-0.25944	2.4167E-6
	47.00000	14.00000	99.56000	-0.39112	99.121	-0.0012751	-0.22475	2.1015E-6
	48.00000	14.00000	99.56000	-0.35247	99.121	-0.0010104	-0.19601	1.8386E-6
	49.00000	14.00000	99.56000	-0.31833	99.121	-809.33E-6	-0.17199	1.6178E-6
	50.00000	14.00000	99.56000	-0.28805	99.121	-654.59E-6	-0.15175	1.4309E-6
	0.00000	15.00000	99.56000	-0.24979	99.121	-877.61E-6	-0.15988	1.4966E-6
	1.00000	15.00000	99.56000	-0.27498	99.121	-0.0011100	-0.18178	1.6951E-6
	2.00000	15.00000	99.56000	-0.30313	99.121	-0.0014225	-0.20791	1.9299E-6
	3.00000	15.00000	99.56000	-0.33466	99.121	-0.0018504	-0.23935	2.2094E-6
	4.00000	15.00000	99.56000	-0.37006	99.121	-0.0024484	-0.27752	2.5441E-6
	5.00000	15.00000	99.56000	-0.40990	99.121	-0.0033034	-0.32432	2.9474E-6
	6.00000	15.00000	99.56000	-0.45484	99.121	-0.0045590	-0.38230	3.4358E-6
	7.00000	15.00000	99.56000	-0.50563	99.121	-0.0064604	-0.45495	4.0286E-6
	8.00000	15.00000	99.56000	-0.56308	99.121	-0.0094452	-0.54703	4.7465E-6
	9.00000	15.00000	99.56000	-0.62804	99.121	-0.014330	-0.66488	5.6036E-6
	10.00000	15.00000	99.56000	-0.70117	99.121	-0.022714	-0.81646	6.5839E-6
	11.00000	15.00000	99.56000	-0.78250	99.121	-0.037861	-1.0089	7.5672E-6
	12.00000	15.00000	99.56000	-0.86983	99.121	-0.066362	-1.2345	8.0954E-6
	13.00000	15.00000	99.56000	-0.95346	99.121	-0.11659	-1.3888	6.6715E-6
	14.00000	15.00000	99.56000	-0.99457	99.121	-0.071719	-0.64803	2.1074E-6
	15.00000	15.00000	99.56000	-0.76048	99.121	4.5180	7.6429	188.42E-6
	16.00000	15.00000	99.56000	-0.54068	99.121	11.750	17.013	517.74E-6
	17.00000	15.00000	99.56000	-0.98633	99.121	11.161	15.436	498.81E-6
	18.00000	15.00000	99.56000	-1.7048	99.121	10.203	11.832	478.05E-6
	19.00000	15.00000	99.56000	-2.7332	99.121	8.4988	6.0031	435.49E-6
	20.00000	15.00000	99.56000	-4.3044	99.121	3.6368	-5.2947	262.47E-6
	21.00000	15.00000	99.56000	-7.0618	99.121	-16.687	-33.732	-642.66E-6
	22.00000	15.00000	99.56000	-9.7687	99.121	-36.694	-61.859	-0.0015324
	23.00000	15.00000	99.56000	-11.234	99.121	-41.239	-72.780	-0.0016906
	24.00000	15.00000	99.56000	-12.186	99.121	-44.022	-79.267	-0.0017894
	25.00000	15.00000	99.56000	-12.846	99.121	-47.885	-84.390	-0.0019642
	26.00000	15.00000	99.56000	-12.983	99.121	-49.276	-85.936	-0.0020300
	27.00000	15.00000	99.56000	-12.546	99.121	-48.662	-83.132	-0.0020215
	28.00000	15.00000	99.56000	-11.386	99.121	-44.698	-73.929	-0.0018804
	29.00000	15.00000	99.56000	-9.1286	99.121	-29.852	-53.750	-0.0012135
	30.00000	15.00000	99.56000	-6.4308	99.121	-9.9708	-29.639	-292.19E-6
	31.00000	15.00000	99.56000	-4.6633	99.121	-2.7595	-15.733	-7.9739E-6
	32.00000	15.00000	99.56000	-3.5654	99.121	-0.94179	-9.1447	33.821E-6
	33.00000	15.00000	99.56000	-2.8243	99.121	-0.39174	-5.7759	33.157E-6
	34.00000	15.00000	99.56000	-2.2946	99.121	-0.18755	-3.8833	26.697E-6
	35.00000	15.00000	99.56000	-1.9004	99.121	-0.099344	-2.7381	20.734E-6
	36.00000	15.00000	99.56000	-1.5979	99.121	-0.056771	-2.0041	16.102E-6
	37.00000	15.00000	99.56000	-1.3602	99.121	-0.034425	-1.5117	12.634E-6
	38.00000	15.00000	99.56000	-1.1695	99.121	-0.021894	-1.1690	10.044E-6
	39.00000	15.00000	99.56000	-1.0141	99.121	-0.014483	-0.92296	8.0928E-6
	40.00000	15.00000	99.56000	-0.88566	99.121	-0.0099022	-0.74173	6.6047E-6
	41.00000	15.00000	99.56000	-0.77818	99.121	-0.0069627	-0.60524	5.4542E-6
	42.00000	15.00000	99.56000	-0.68731	99.121	-0.0050156	-0.50045	4.5529E-6
	43.00000	15.00000	99.56000	-0.60982	99.121	-0.0036899	-0.41863	3.8379E-6
	44.00000	15.00000	99.56000	-0.54320	99.121	-0.0027652	-0.35381	3.2641E-6
	45.00000	15.00000	99.56000	-0.48553	99.121	-0.0021064	-0.30177	2.7987E-6
	46.00000	15.00000	99.56000	-0.43532	99.121	-0.0016282	-0.25950	2.4173E-6
	47.00000	15.00000	99.56000	-0.39136	99.121	-0.0012751	-0.22480	2.1020E-6
	48.00000	15.00000	99.56000	-0.35269	99.121	-0.0010105	-0.19606	1.8391E-6
	49.00000	15.00000	99.56000	-0.31852	99.121	-809.35E-6	-0.17203	1.6182E-6
	50.00000	15.00000	99.56000	-0.28822	99.121	-654.61E-6	-0.15179	1.4312E-6
	0.00000	16.00000	99.56000	-0.25162	99.121	-887.14E-6	-0.16079	1.5049E-6
	1.00000	16.00000	99.56000	-0.27731	99.121	-0.0011250	-0.18308	1.7068E-6
	2.00000	16.00000	99.56000	-0.30612	99.121	-0.0014467	-0.20978	1.9466E-6
	3.00000	16.00000	99.56000	-0.33856	99.121	-0.0018902	-0.24209	2.2336E-6
	4.00000	16.00000	99.56000	-0.37521	99.121	-0.0025157	-0.28160	2.5797E-6
	5.00000	16.00000	99.56000	-0.41682	99.121	-0.0034208	-0.33052	3.0007E-6
	6.00000	16.00000	99.56000	-0.46429	99.121	-0.0047712	-0.39198	3.5172E-6
	7.00000	16.00000	99.56000	-0.51879	99.121	-0.0068608	-0.47049	4.1557E-6
	8.00000	16.00000	99.56000	-0.58183	99.121	-0.010240	-0.57279	4.9497E-6
	9.00000	16.00000	99.56000	-0.65542	99.121	-0.016005	-0.70931	5.9363E-6
	10.00000	16.00000	99.56000	-0.74234	99.121	-0.026520	-0.89676	7.1401E-6
	11.00000	16.00000	99.56000	-0.84650	99.121	-0.047355	-1.1628	8.5051E-6
	12.00000	16.00000	99.56000	-0.97349	99.121	-0.093115	-1.5529	9.6241E-6
	13.00000	16.00000	99.56000	-1.1307	99.121	-0.20618	-2.1280	8.6240E-6
	14.00000	16.00000	99.56000	-1.3225	99.121	-0.49463	-2.7815	-1.8031E-6
	15.00000	16.00000	99.56000	-1.4180	99.121	1.6906	0.61423	92.240E-6
	16.00000	16.00000	99.56000	-1.4880	99.121	7.2559	6.9989	353.66E-6
	17.00000	16.00000	99.56000	-2.1681	99.121	4.7450	3.0937	245.64E-6
	18.00000	16.00000	99.56000	-3.0270	99.121	2.1193	-2.1531	143.93E-6
	19.00000	16.00000	99.56000	-4.0870	99.121	-0.99410	-8.6568	26.060E-6
	20.00000	16.00000	99.56000	-5.5094	99.121	-6.1777	-18.736	-177.43E-6
	21.00000	16.00000	99.56000	-7.7569	99.121	-22.400	-41.389	-900.30E-6
	22.00000	16.00000	99.56000	-9.9138	99.121	-37.658	-63.389	-0.0015735
	23.00000	16.00000	99.56000	-11.133	99.121	-41.179	-72.174	-0.0016930
	24.00000	16.00000	99.56000	-11.981	99.121	-43.817	-78.000	-0.0017898
	25.00000	16.00000	99.56000	-12.600	99.121	-47.673	-82.960	-0.0019657
	26.00000	16.00000	99.56000	-12.733	99.121	-49.054	-84.547	-0.0020306
	27.00000	16.00000	99.56000	-12.316	99.121	-48.478	-81.930	-0.0020225
	28.00000	16.00000	99.56000	-11.189	99.121	-44.564	-72.968	-0.0018819
	29.00000	16.00000	99.56000	-8.9692	99.121	-29.761	-53.029	-0.0012151
	30.00000	16.00000	99.56000	-6.3077	99.121	-9.9135	-29.130	-293.79E-6
	31.00000	16.00000	99.56000	-4.5716	99.121	-2.7263	-15.392	-9.3539E-6
	32.00000	16.00000	99.56000	-3.4985	99.121	-0.92371	-8.9237	32.731E-6
	33.00000	16.00000	99.56000	-2.7760	99.121	-0.38215	-5.6348	32.348E-6
	34.00000	16.00000	99.56000	-2.2595	99.121	-0.18247	-3.7931	26.119E-6
	35.00000	16.00000	99.56000	-1.8747	99.121	-0.096609	-2.6797	20.328E-6
	36.00000	16.00000	99.56000	-1.5788	99.121	-0.055261	-1.9656	15.817E-6
	37.00000	16.00000	99.56000	-1.3458	99.121	-0.033565	-1.4858	12.433E-6
	38.00000	16.00000	99.56000	-1.1586	99.121	-0.021390	-1.1512	9.9005E-6
	39.00000	16.00000	99.56000	-1.0057	99.121	-0.014179	-0.91046	7.9895E-6
	40.00000	16.00000	99.56000	-0.87903	99.121	-0.0097126	-0.73280	6.5292E-6
	41.00000	16.00000	99.56000	-0.77292	99.121	-0.0068417	-0.59873	5.3982E-6
	42.00000	16.00000	99.56000	-0.68310	99.121	-0.0049365	-0.49563	4.5109E-6
	43.00000	16.00000	99.56000	-0.60641	99.121	-0.0036370	-0.41501	3.8060E-6
	44.00000	16.00000	99.56000	-0.54041	99.121	-0.0027291	-0.35105	3.2396E-6
	45.00000	16.00000	99.56000	-0.48324	99.121	-0.0020814	-0.29964	2.7795E-6
	46.00000	16.00000	99.56000	-0.43342	99.121	-0.0016105	-0.25784	2.4022E-6
	47.00000	16.00000	99.56000	-0.38977	99.121	-0.0012624	-0.22349	2.0900E-6
	48.00000	16.00000	99.56000	-0.35135	99.121	-0.0010012	-0.19501	1.8295E-6
	49.00000	16.00000	99.56000	-0.31739	99.121	-802.51E-6	-0.17119	1.6104E-6
	50.00000	16.00000	99.56000	-0.28726	99.121	-649.50E-6	-0.15110	1.4249E-6
	0.00000	17.00000	99.56000	-0.25250	99.121	-887.87E-6	-0.16086	1.5055E-6
	1.00000	17.00000	99.56000	-0.27853	99.121	-0.0011276	-0.18331	1.7089E-6
	2.00000	17.00000	99.56000	-0.30781	99.121	-0.0014531	-0.21030	1.9512E-6
	3.00000	17.00000	99.56000	-0.34090	99.121	-0.0019040	-0.24308	2.2424E-6
	4.00000	17.00000	99.56000	-0.37849	99.121	-0.0025439	-0.28338	2.5953E-6
	5.00000	17.00000	99.56000	-0.42145	99.121	-0.0034775	-0.33365	3.0277E-6
	6.00000	17.00000	99.56000	-0.47089	99.121	-0.0048862	-0.39743	3.5632E-6
	7.00000	17.00000	99.56000	-0.52833	99.121	-0.0070995	-0.48001	4.2340E-6
	8.00000	17.00000	99.56000	-0.59584	99.121	-0.010754	-0.58970	5.0836E-6
	9.00000	17.00000	99.56000	-0.67641	99.121	-0.017174	-0.74015	6.1670E-6
	10.00000	17.00000	99.56000	-0.77452	99.121	-0.029376	-0.95517	7.5397E-6
	11.00000	17.00000	99.56000	-0.89737	99.121	-0.055065	-1.2796	9.1885E-6
	12.00000	17.00000	99.56000	-1.0574	99.121	-0.11697	-1.8059	10.687E-6
	13.00000	17.00000	99.56000	-1.2781	99.121	-0.29590	-2.7450	9.3859E-6
	14.00000	17.00000	99.56000	-1.6111	99.121	-0.94957	-4.6280	-10.351E-6
	15.00000	17.00000	99.56000	-2.1923	99.121	-3.7954	-8.7424	-135.81E-6
	16.00000	17.00000	99.56000	-3.2009	99.121	-11.652	-16.602	-516.03E-6
	17.00000	17.00000	99.56000	-4.2605	99.121	-18.240	-24.942	-817.90E-6
	18.00000	17.00000	99.56000	-5.1866	99.121	-21.648	-31.155	-955.71E-6
	19.00000	17.00000	99.56000	-6.1093	99.121	-24.093	-36.655	-0.0010445
	20.00000	17.00000	99.56000	-7.1572	99.121	-26.843	-43.211	-0.0011407
	21.00000	17.00000	99.56000	-8.4423	99.121	-31.794	-52.776	-0.0013357
	22.00000	17.00000	99.56000	-9.7378	99.121	-37.574	-62.650	-0.0015758

Name	Location			Stresses				
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	23.00000	17.00000	99.56000	-10.669	99.121	-40.146	-68.864	-0.0016650
	24.00000	17.00000	99.56000	-11.381	99.121	-42.452	-73.763	-0.0017515
	25.00000	17.00000	99.56000	-11.961	99.121	-46.293	-78.621	-0.0019276
	26.00000	17.00000	99.56000	-12.139	99.121	-48.085	-80.797	-0.0020106
	27.00000	17.00000	99.56000	-11.799	99.121	-47.844	-78.933	-0.0020146
	28.00000	17.00000	99.56000	-10.759	99.121	-44.142	-70.663	-0.0018797
	29.00000	17.00000	99.56000	-8.6269	99.121	-29.486	-51.343	-0.0012155
	30.00000	17.00000	99.56000	-6.0485	99.121	-9.7519	-27.978	-295.55E-6
	31.00000	17.00000	99.56000	-4.3824	99.121	-2.6411	-14.652	-11.562E-6
	32.00000	17.00000	99.56000	-3.3629	99.121	-0.88128	-8.4633	30.739E-6
	33.00000	17.00000	99.56000	-2.6788	99.121	-0.36118	-5.3492	30.802E-6
	34.00000	17.00000	99.56000	-2.1892	99.121	-0.17188	-3.6138	24.997E-6
	35.00000	17.00000	99.56000	-1.8231	99.121	-0.091077	-2.5647	19.536E-6
	36.00000	17.00000	99.56000	-1.5405	99.121	-0.052260	-1.8901	15.260E-6
	37.00000	17.00000	99.56000	-1.3168	99.121	-0.031875	-1.4350	12.040E-6
	38.00000	17.00000	99.56000	-1.1364	99.121	-0.020404	-1.1163	9.6200E-6
	39.00000	17.00000	99.56000	-0.98837	99.121	-0.013584	-0.88594	7.7867E-6
	40.00000	17.00000	99.56000	-0.86540	99.121	-0.0093434	-0.71522	6.3804E-6
	41.00000	17.00000	99.56000	-0.76206	99.121	-0.0066060	-0.58590	5.2877E-6
	42.00000	17.00000	99.56000	-0.67435	99.121	-0.0047823	-0.48610	4.4276E-6
	43.00000	17.00000	99.56000	-0.59929	99.121	-0.0035338	-0.40783	3.7424E-6
	44.00000	17.00000	99.56000	-0.53457	99.121	-0.0026586	-0.34556	3.1905E-6
	45.00000	17.00000	99.56000	-0.47841	99.121	-0.0020323	-0.29539	2.7412E-6
	46.00000	17.00000	99.56000	-0.42939	99.121	-0.0015757	-0.25451	2.3720E-6
	47.00000	17.00000	99.56000	-0.38639	99.121	-0.0012374	-0.22086	2.0660E-6
	48.00000	17.00000	99.56000	-0.34850	99.121	-982.96E-6	-0.19290	1.8101E-6
	49.00000	17.00000	99.56000	-0.31497	99.121	-789.03E-6	-0.16949	1.5947E-6
	50.00000	17.00000	99.56000	-0.28520	99.121	-639.42E-6	-0.14972	1.4121E-6
	0.00000	18.00000	99.56000	-0.25239	99.121	-879.47E-6	-0.16004	1.4980E-6
	1.00000	18.00000	99.56000	-0.27857	99.121	-0.0011173	-0.18243	1.7010E-6
	2.00000	18.00000	99.56000	-0.30808	99.121	-0.0014406	-0.20938	1.9431E-6
	3.00000	18.00000	99.56000	-0.34153	99.121	-0.0018895	-0.24219	2.2346E-6
	4.00000	18.00000	99.56000	-0.37966	99.121	-0.0025283	-0.28265	2.5891E-6
	5.00000	18.00000	99.56000	-0.42342	99.121	-0.0034641	-0.33332	3.0252E-6
	6.00000	18.00000	99.56000	-0.47410	99.121	-0.0048837	-0.39795	3.5684E-6
	7.00000	18.00000	99.56000	-0.53341	99.121	-0.0071309	-0.48229	4.2543E-6
	8.00000	18.00000	99.56000	-0.60379	99.121	-0.010879	-0.59546	5.1320E-6
	9.00000	18.00000	99.56000	-0.68882	99.121	-0.017555	-0.75286	6.2679E-6
	10.00000	18.00000	99.56000	-0.79405	99.121	-0.030484	-0.98220	7.7369E-6
	11.00000	18.00000	99.56000	-0.92860	99.121	-0.058403	-1.3377	9.5564E-6
	12.00000	18.00000	99.56000	-1.1087	99.121	-0.12803	-1.9368	11.311E-6
	13.00000	18.00000	99.56000	-1.3667	99.121	-0.33842	-3.0679	10.041E-6
	14.00000	18.00000	99.56000	-1.7767	99.121	-1.1489	-5.5392	-13.108E-6
	15.00000	18.00000	99.56000	-2.5323	99.121	-4.9007	-11.618	-172.16E-6
	16.00000	18.00000	99.56000	-3.8683	99.121	-16.090	-23.530	-706.69E-6
	17.00000	18.00000	99.56000	-5.1136	99.121	-24.721	-34.148	-0.0011052
	18.00000	18.00000	99.56000	-5.9520	99.121	-27.238	-39.753	-0.0011971
	19.00000	18.00000	99.56000	-6.6367	99.121	-28.042	-43.165	-0.0012108
	20.00000	18.00000	99.56000	-7.3170	99.121	-28.700	-46.348	-0.0012182
	21.00000	18.00000	99.56000	-8.0918	99.121	-30.596	-50.617	-0.0012870
	22.00000	18.00000	99.56000	-8.9068	99.121	-33.612	-55.584	-0.0014141
	23.00000	18.00000	99.56000	-9.5611	99.121	-35.192	-59.479	-0.0014682
	24.00000	18.00000	99.56000	-10.122	99.121	-36.930	-63.294	-0.0015322
	25.00000	18.00000	99.56000	-10.679	99.121	-40.863	-68.253	-0.0017126
	26.00000	18.00000	99.56000	-11.011	99.121	-44.445	-72.254	-0.0018819
	27.00000	18.00000	99.56000	-10.867	99.121	-45.723	-72.477	-0.0019540
	28.00000	18.00000	99.56000	-10.003	99.121	-42.784	-65.832	-0.0018476
	29.00000	18.00000	99.56000	-8.0431	99.121	-28.634	-47.929	-0.0011991
	30.00000	18.00000	99.56000	-5.6270	99.121	-9.3145	-25.819	-291.04E-6
	31.00000	18.00000	99.56000	-4.0896	99.121	-2.4515	-13.390	-12.766E-6
	32.00000	18.00000	99.56000	-3.1600	99.121	-0.80168	-7.7351	28.313E-6
	33.00000	18.00000	99.56000	-2.5362	99.121	-0.32620	-4.9193	28.672E-6
	34.00000	18.00000	99.56000	-2.0870	99.121	-0.15545	-3.3511	23.410E-6
	35.00000	18.00000	99.56000	-1.7484	99.121	-0.082846	-2.3987	18.407E-6
	36.00000	18.00000	99.56000	-1.4848	99.121	-0.047897	-1.7818	14.465E-6
	37.00000	18.00000	99.56000	-1.2746	99.121	-0.029447	-1.3623	11.477E-6
	38.00000	18.00000	99.56000	-1.1038	99.121	-0.018995	-1.0662	9.2172E-6
	39.00000	18.00000	99.56000	-0.96297	99.121	-0.012736	-0.85066	7.4945E-6
	40.00000	18.00000	99.56000	-0.84531	99.121	-0.0088164	-0.68985	6.1655E-6
	41.00000	18.00000	99.56000	-0.74598	99.121	-0.0062691	-0.56732	5.1274E-6
	42.00000	18.00000	99.56000	-0.66135	99.121	-0.0045613	-0.47226	4.3064E-6
	43.00000	18.00000	99.56000	-0.58867	99.121	-0.0033855	-0.39736	3.6497E-6
	44.00000	18.00000	99.56000	-0.52583	99.121	-0.0025570	-0.33753	3.1187E-6
	45.00000	18.00000	99.56000	-0.47116	99.121	-0.0019614	-0.28915	2.6850E-6
	46.00000	18.00000	99.56000	-0.42333	99.121	-0.0015254	-0.24961	2.3276E-6
	47.00000	18.00000	99.56000	-0.38130	99.121	-0.0012011	-0.21697	2.0304E-6
	48.00000	18.00000	99.56000	-0.34419	99.121	-956.43E-6	-0.18979	1.7815E-6
	49.00000	18.00000	99.56000	-0.31131	99.121	-769.37E-6	-0.16696	1.5715E-6
	50.00000	18.00000	99.56000	-0.28206	99.121	-624.68E-6	-0.14766	1.3931E-6
	0.00000	19.00000	99.56000	-0.25125	99.121	-862.03E-6	-0.15834	1.4826E-6
	1.00000	19.00000	99.56000	-0.27737	99.121	-0.0010941	-0.18042	1.6829E-6
	2.00000	19.00000	99.56000	-0.30686	99.121	-0.0014092	-0.20700	1.9219E-6
	3.00000	19.00000	99.56000	-0.34033	99.121	-0.0018463	-0.23937	2.2098E-6
	4.00000	19.00000	99.56000	-0.37855	99.121	-0.0024679	-0.27931	2.5603E-6
	5.00000	19.00000	99.56000	-0.42252	99.121	-0.0033777	-0.32937	2.9920E-6
	6.00000	19.00000	99.56000	-0.47357	99.121	-0.0047567	-0.39329	3.5307E-6
	7.00000	19.00000	99.56000	-0.53351	99.121	-0.0069373	-0.47681	4.2125E-6
	8.00000	19.00000	99.56000	-0.60490	99.121	-0.010569	-0.58908	5.0883E-6
	9.00000	19.00000	99.56000	-0.69149	99.121	-0.017021	-0.74549	6.2276E-6
	10.00000	19.00000	99.56000	-0.79904	99.121	-0.029458	-0.97365	7.7137E-6
	11.00000	19.00000	99.56000	-0.93691	99.121	-0.056079	-1.3271	9.5888E-6
	12.00000	19.00000	99.56000	-1.1214	99.121	-0.12133	-1.9198	11.537E-6
	13.00000	19.00000	99.56000	-1.3836	99.121	-0.31189	-3.0231	11.149E-6
	14.00000	19.00000	99.56000	-1.7898	99.121	-1.0024	-5.3567	-6.3660E-6
	15.00000	19.00000	99.56000	-2.4986	99.121	-4.0080	-10.840	-127.85E-6
	16.00000	19.00000	99.56000	-3.7409	99.121	-13.899	-21.809	-596.12E-6
	17.00000	19.00000	99.56000	-4.9451	99.121	-22.889	-32.034	-0.0010193
	18.00000	19.00000	99.56000	-5.6300	99.121	-24.552	-36.296	-0.0010746
	19.00000	19.00000	99.56000	-6.0699	99.121	-23.811	-37.566	-0.0010193
	20.00000	19.00000	99.56000	-6.4255	99.121	-22.413	-37.907	-934.79E-6
	21.00000	19.00000	99.56000	-6.7602	99.121	-20.832	-38.211	-840.03E-6
	22.00000	19.00000	99.56000	-7.1056	99.121	-19.617	-38.993	-761.85E-6
	23.00000	19.00000	99.56000	-7.4952	99.121	-19.723	-40.666	-751.83E-6
	24.00000	19.00000	99.56000	-7.9030	99.121	-20.766	-43.303	-786.86E-6
	25.00000	19.00000	99.56000	-8.4117	99.121	-24.495	-48.059	-957.41E-6
	26.00000	19.00000	99.56000	-9.0195	99.121	-32.298	-54.934	-0.0013441
	27.00000	19.00000	99.56000	-9.2536	99.121	-38.191	-59.050	-0.0016465
	28.00000	19.00000	99.56000	-8.7039	99.121	-37.611	-55.531	-0.0016469
	29.00000	19.00000	99.56000	-7.0771	99.121	-25.388	-40.847	-0.0010791
	30.00000	19.00000	99.56000	-4.9985	99.121	-8.0282	-21.935	-253.94E-6
	31.00000	19.00000	99.56000	-3.6913	99.121	-2.0545	-11.457	-8.4165E-6
	32.00000	19.00000	99.56000	-2.8972	99.121	-0.67031	-6.7323	26.236E-6
	33.00000	19.00000	99.56000	-2.3554	99.121	-0.27593	-4.3602	26.180E-6
	34.00000	19.00000	99.56000	-1.9584	99.121	-0.13358	-3.0193	21.467E-6
	35.00000	19.00000	99.56000	-1.6544	99.121	-0.072333	-2.1915	17.012E-6
	36.00000	19.00000	99.56000	-1.4146	99.121	-0.042440	-1.6471	13.479E-6
	37.00000	19.00000	99.56000	-1.2211	99.121	-0.026439	-1.2719	10.776E-6
	38.00000	19.00000	99.56000	-1.0625	99.121	-0.017255	-1.0037	8.7133E-6
	39.00000	19.00000	99.56000	-0.93050	99.121	-0.011688	-0.80644	7.1273E-6
	40.00000	19.00000	99.56000	-0.81950	99.121	-0.0081630	-0.65790	5.8942E-6
	41.00000	19.00000	99.56000	-0.72523	99.121	-0.0058496	-0.54380	4.9241E-6
	42.00000	19.00000	99.56000	-0.64450	99.121	-0.0042850	-0.45467	4.1522E-6
	43.00000	19.00000	99.56000	-0.57487	99.121	-0.0031993	-0.38400	3.5312E-6
	44.00000	19.00000	99.56000	-0.51442	99.121	-0.0024289	-0.32724	3.0266E-6
	45.00000	19.00000	99.56000	-0.46166	99.121	-0.0018716	-0.28114	2.6126E-6
	46.00000	19.00000	99.56000	-0.41538	99.121	-0.0014615	-0.24329	2.2701E-6
	47.00000	19.00000	99.56000	-0.37459	99.121	-0.0011549	-0.21194	1.9844E-6
	48.00000	19.00000	99.56000	-0.33850	99.121	-922.48E-6	-0.18574	1.7443E-6
	49.00000	19.00000	99.56000	-0.30646	99.121	-744.15E-6	-0.16368	1.5412E-6
	50.00000	19.00000	99.56000	-0.27791	99.121	-605.71E-6	-0.14498	1.3682E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	0.00000	20.00000	99.56000	-0.24907	99.121	-836.09E-6	-0.15578	1.4594E-6
	1.00000	20.00000	99.56000	-0.27493	99.121	-0.0010587	-0.17732	1.6550E-6
	2.00000	20.00000	99.56000	-0.30413	99.121	-0.0013600	-0.20322	1.8881E-6
	3.00000	20.00000	99.56000	-0.33728	99.121	-0.0017764	-0.23470	2.1686E-6
	4.00000	20.00000	99.56000	-0.37514	99.121	-0.0023656	-0.27346	2.5096E-6
	5.00000	20.00000	99.56000	-0.41869	99.121	-0.0032234	-0.32193	2.9289E-6
	6.00000	20.00000	99.56000	-0.46924	99.121	-0.0045143	-0.38363	3.4512E-6
	7.00000	20.00000	99.56000	-0.52855	99.121	-0.0065365	-0.46391	4.1109E-6
	8.00000	20.00000	99.56000	-0.59909	99.121	-0.0098616	-0.57118	4.9561E-6
	9.00000	20.00000	99.56000	-0.68438	99.121	-0.015665	-0.71929	6.0527E-6
	10.00000	20.00000	99.56000	-0.78969	99.121	-0.026567	-0.93240	7.4824E-6
	11.00000	20.00000	99.56000	-0.92321	99.121	-0.049024	-1.2554	9.3045E-6
	12.00000	20.00000	99.56000	-1.0984	99.121	-0.10097	-1.7782	11.349E-6
	13.00000	20.00000	99.56000	-1.3386	99.121	-0.24008	-2.6972	12.164E-6
	14.00000	20.00000	99.56000	-1.6876	99.121	-0.68689	-4.4769	3.4417E-6
	15.00000	20.00000	99.56000	-2.2348	99.121	-2.4062	-8.2245	-60.137E-6
	16.00000	20.00000	99.56000	-3.1073	99.121	-8.0564	-15.308	-319.72E-6
	17.00000	20.00000	99.56000	-3.9579	99.121	-13.370	-21.913	-564.39E-6
	18.00000	20.00000	99.56000	-4.4006	99.121	-13.128	-23.995	-530.19E-6
	19.00000	20.00000	99.56000	-4.6467	99.121	-11.233	-23.788	-422.12E-6
	20.00000	20.00000	99.56000	-4.8311	99.121	-9.2503	-22.969	-314.90E-6
	21.00000	20.00000	99.56000	-5.0050	99.121	-7.5036	-22.197	-220.94E-6
	22.00000	20.00000	99.56000	-5.1982	99.121	-6.2596	-21.913	-151.43E-6
	23.00000	20.00000	99.56000	-5.4398	99.121	-6.0021	-22.554	-130.28E-6
	24.00000	20.00000	99.56000	-5.7135	99.121	-6.4792	-24.125	-142.78E-6
	25.00000	20.00000	99.56000	-6.0499	99.121	-8.3960	-27.211	-224.23E-6
	26.00000	20.00000	99.56000	-6.4956	99.121	-13.555	-32.422	-473.40E-6
	27.00000	20.00000	99.56000	-6.7950	99.121	-19.493	-36.959	-774.38E-6
	28.00000	20.00000	99.56000	-6.5477	99.121	-21.305	-36.279	-886.18E-6
	29.00000	20.00000	99.56000	-5.5097	99.121	-14.753	-27.581	-589.88E-6
	30.00000	20.00000	99.56000	-4.1489	99.121	-4.9742	-15.876	-135.22E-6
	31.00000	20.00000	99.56000	-3.2119	99.121	-1.3996	-8.9316	5.1677E-6
	32.00000	20.00000	99.56000	-2.5933	99.121	-0.49342	-5.5339	24.910E-6
	33.00000	20.00000	99.56000	-2.1486	99.121	-0.21471	-3.7177	23.516E-6
	34.00000	20.00000	99.56000	-1.8113	99.121	-0.10823	-2.6434	19.301E-6
	35.00000	20.00000	99.56000	-1.5464	99.121	-0.060424	-1.9576	15.439E-6
	36.00000	20.00000	99.56000	-1.3334	99.121	-0.036316	-1.4947	12.359E-6
	37.00000	20.00000	99.56000	-1.1589	99.121	-0.023069	-1.1689	9.9748E-6
	38.00000	20.00000	99.56000	-1.0140	99.121	-0.015300	-0.93211	8.1340E-6
	39.00000	20.00000	99.56000	-0.89221	99.121	-0.010505	-0.75546	6.7025E-6
	40.00000	20.00000	99.56000	-0.78889	99.121	-0.0074211	-0.62082	5.5784E-6
	41.00000	20.00000	99.56000	-0.70049	99.121	-0.0053704	-0.51634	4.6861E-6
	42.00000	20.00000	99.56000	-0.62432	99.121	-0.0039674	-0.43400	3.9706E-6
	43.00000	20.00000	99.56000	-0.55826	99.121	-0.0029839	-0.36822	3.3909E-6
	44.00000	20.00000	99.56000	-0.50065	99.121	-0.0022800	-0.31504	2.9170E-6
	45.00000	20.00000	99.56000	-0.45016	99.121	-0.0017667	-0.27158	2.5262E-6
	46.00000	20.00000	99.56000	-0.40571	99.121	-0.0013863	-0.23573	2.2013E-6
	47.00000	20.00000	99.56000	-0.36641	99.121	-0.0011002	-0.20589	1.9291E-6
	48.00000	20.00000	99.56000	-0.33155	99.121	-882.25E-6	-0.18087	1.6995E-6
	49.00000	20.00000	99.56000	-0.30052	99.121	-714.14E-6	-0.15972	1.5046E-6
	50.00000	20.00000	99.56000	-0.27282	99.121	-583.06E-6	-0.14173	1.3380E-6
	0.00000	21.00000	99.56000	-0.24587	99.121	-802.61E-6	-0.15243	1.4288E-6
	1.00000	21.00000	99.56000	-0.27128	99.121	-0.0010126	-0.17322	1.6179E-6
	2.00000	21.00000	99.56000	-0.29993	99.121	-0.0012953	-0.19814	1.8427E-6
	3.00000	21.00000	99.56000	-0.33243	99.121	-0.0016834	-0.22832	2.1123E-6
	4.00000	21.00000	99.56000	-0.36948	99.121	-0.0022282	-0.26533	2.4389E-6
	5.00000	21.00000	99.56000	-0.41202	99.121	-0.0030133	-0.31136	2.8389E-6
	6.00000	21.00000	99.56000	-0.46127	99.121	-0.0041797	-0.36957	3.3346E-6
	7.00000	21.00000	99.56000	-0.51883	99.121	-0.0059765	-0.44463	3.9568E-6
	8.00000	21.00000	99.56000	-0.58690	99.121	-0.0088658	-0.54370	4.7479E-6
	9.00000	21.00000	99.56000	-0.66852	99.121	-0.013756	-0.67817	5.7655E-6
	10.00000	21.00000	99.56000	-0.76801	99.121	-0.022561	-0.86693	7.0813E-6
	11.00000	21.00000	99.56000	-0.89170	99.121	-0.039625	-1.1428	8.7603E-6
	12.00000	21.00000	99.56000	-1.0491	99.121	-0.075759	-1.5655	10.753E-6
	13.00000	21.00000	99.56000	-1.2544	99.121	-0.16068	-2.2487	12.435E-6
	14.00000	21.00000	99.56000	-1.5294	99.121	-0.38458	-3.4121	10.693E-6
	15.00000	21.00000	99.56000	-1.9029	99.121	-1.0219	-5.4317	-6.7731E-6
	16.00000	21.00000	99.56000	-2.3819	99.121	-2.4828	-8.4804	-62.110E-6
	17.00000	21.00000	99.56000	-2.8432	99.121	-3.7033	-11.217	-106.51E-6
	18.00000	21.00000	99.56000	-3.1691	99.121	-3.6267	-12.373	-90.862E-6
	19.00000	21.00000	99.56000	-3.4032	99.121	-3.0936	-12.552	-58.174E-6
	20.00000	21.00000	99.56000	-3.5960	99.121	-2.5692	-12.425	-28.941E-6
	21.00000	21.00000	99.56000	-3.7729	99.121	-2.1564	-12.317	-6.0125E-6
	22.00000	21.00000	99.56000	-3.9467	99.121	-1.9040	-12.418	9.6216E-6
	23.00000	21.00000	99.56000	-4.1231	99.121	-1.8640	-12.858	16.203E-6
	24.00000	21.00000	99.56000	-4.2992	99.121	-2.0524	-13.703	13.440E-6
	25.00000	21.00000	99.56000	-4.4737	99.121	-2.6286	-15.094	-6.5609E-6
	26.00000	21.00000	99.56000	-4.6283	99.121	-3.8275	-17.010	-57.644E-6
	27.00000	21.00000	99.56000	-4.6758	99.121	-5.2959	-18.552	-128.00E-6
	28.00000	21.00000	99.56000	-4.4721	99.121	-5.7587	-18.025	-159.98E-6
	29.00000	21.00000	99.56000	-3.9549	99.121	-4.2175	-14.546	-104.15E-6
	30.00000	21.00000	99.56000	-3.2949	99.121	-1.9375	-9.8718	-16.968E-6
	31.00000	21.00000	99.56000	-2.7234	99.121	-0.74857	-6.4129	18.599E-6
	32.00000	21.00000	99.56000	-2.2791	99.121	-0.31738	-4.3287	23.468E-6
	33.00000	21.00000	99.56000	-1.9319	99.121	-0.15357	-3.0647	20.746E-6
	34.00000	21.00000	99.56000	-1.6551	99.121	-0.082756	-2.2570	17.040E-6
	35.00000	21.00000	99.56000	-1.4304	99.121	-0.048366	-1.7142	13.784E-6
	36.00000	21.00000	99.56000	-1.2452	99.121	-0.030058	-1.3342	11.169E-6
	37.00000	21.00000	99.56000	-1.0906	99.121	-0.019590	-1.0593	9.1163E-6
	38.00000	21.00000	99.56000	-0.96032	99.121	-0.013261	-0.85514	7.5073E-6
	39.00000	21.00000	99.56000	-0.84949	99.121	-0.0092578	-0.70010	6.2391E-6
	40.00000	21.00000	99.56000	-0.75449	99.121	-0.0066318	-0.58020	5.2310E-6
	41.00000	21.00000	99.56000	-0.67252	99.121	-0.0048559	-0.48602	4.4225E-6
	42.00000	21.00000	99.56000	-0.60137	99.121	-0.0036234	-0.41101	3.7680E-6
	43.00000	21.00000	99.56000	-0.53928	99.121	-0.0027488	-0.35055	3.2335E-6
	44.00000	21.00000	99.56000	-0.48484	99.121	-0.0021161	-0.30129	2.7935E-6
	45.00000	21.00000	99.56000	-0.43691	99.121	-0.0016505	-0.26076	2.4282E-6
	46.00000	21.00000	99.56000	-0.39453	99.121	-0.0013026	-0.22713	2.1228E-6
	47.00000	21.00000	99.56000	-0.35693	99.121	-0.0010391	-0.19899	1.8658E-6
	48.00000	21.00000	99.56000	-0.32347	99.121	-836.99E-6	-0.17527	1.6480E-6
	49.00000	21.00000	99.56000	-0.29360	99.121	-680.22E-6	-0.15515	1.4623E-6
	50.00000	21.00000	99.56000	-0.26687	99.121	-557.36E-6	-0.13798	1.3032E-6
	0.00000	22.00000	99.56000	-0.24171	99.121	-762.89E-6	-0.14836	1.3918E-6
	1.00000	22.00000	99.56000	-0.26647	99.121	-957.91E-6	-0.16822	1.5726E-6
	2.00000	22.00000	99.56000	-0.29435	99.121	-0.0012184	-0.19191	1.7869E-6
	3.00000	22.00000	99.56000	-0.32589	99.121	-0.0015728	-0.22047	2.0428E-6
	4.00000	22.00000	99.56000	-0.36175	99.121	-0.0020648	-0.25528	2.3511E-6
	5.00000	22.00000	99.56000	-0.40277	99.121	-0.0027639	-0.29824	2.7263E-6
	6.00000	22.00000	99.56000	-0.45004	99.121	-0.0037846	-0.35202	3.1877E-6
	7.00000	22.00000	99.56000	-0.50494	99.121	-0.0053216	-0.42051	3.7614E-6
	8.00000	22.00000	99.56000	-0.56931	99.121	-0.0077210	-0.50941	4.4825E-6
	9.00000	22.00000	99.56000	-0.64557	99.121	-0.011625	-0.62738	5.3977E-6
	10.00000	22.00000	99.56000	-0.73699	99.121	-0.018283	-0.78786	6.5644E-6
	11.00000	22.00000	99.56000	-0.84799	99.121	-0.030259	-1.0123	8.0412E-6
	12.00000	22.00000	99.56000	-0.98442	99.121	-0.053072	-1.3352	9.8417E-6
	13.00000	22.00000	99.56000	-1.1537	99.121	-0.099029	-1.8114	11.782E-6
	14.00000	22.00000	99.56000	-1.3640	99.121	-0.19508	-2.5204	13.066E-6
	15.00000	22.00000	99.56000	-1.6198	99.121	-0.38801	-3.5384	11.716E-6
	16.00000	22.00000	99.56000	-1.9093	99.121	-0.68756	-4.8016	6.5460E-6
	17.00000	22.00000	99.56000	-2.1941	99.121	-0.93315	-5.9556	3.4530E-6
	18.00000	22.00000	99.56000	-2.4397	99.121	-0.98677	-6.6925	7.4721E-6
	19.00000	22.00000	99.56000	-2.6441	99.121	-0.92277	-7.0711	14.853E-6
	20.00000	22.00000	99.56000	-2.8193	99.121	-0.83170	-7.2741	22.108E-6
	21.00000	22.00000	99.56000	-2.9754	99.121	-0.75500	-7.4379	28.148E-6
	22.00000	22.00000	99.56000	-3.1177	99.121	-0.71328	-7.6487	32.611E-6
	23.00000	22.00000	99.56000	-3.2469	99.121	-0.72100	-7.9587	35.163E-6
	24.00000	22.00000	99.56000	-3.3594	99.121	-0.79118	-8.3930	35.291E-6
	25.00000	22.00000	99.56000	-3.4465	99.121	-0.94675	-8.9491	31.639E-6
	26.00000	22.00000	99.56000	-3.4887	99.121	-1.1911	-9.5201	22.975E-6
	27.00000	22.00000	99.56000	-3.4495	99.121	-1.4273	-9.7826	11.797E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	28.00000	22.00000	99.56000	-3.2887	99.121	-1.4474	-9.2927	5.8879E-6
	29.00000	22.00000	99.56000	-3.0024	99.121	-1.1368	-7.9083	10.527E-6
	30.00000	22.00000	99.56000	-2.6465	99.121	-0.68671	-6.0959	19.124E-6
	31.00000	22.00000	99.56000	-2.2946	99.121	-0.36007	-4.4854	22.505E-6
	32.00000	22.00000	99.56000	-1.9840	99.121	-0.18781	-3.2991	21.026E-6
	33.00000	22.00000	99.56000	-1.7205	99.121	-0.10329	-2.4714	17.923E-6
	34.00000	22.00000	99.56000	-1.4988	99.121	-0.060431	-1.8919	14.804E-6
	35.00000	22.00000	99.56000	-1.3120	99.121	-0.037353	-1.4779	12.136E-6
	36.00000	22.00000	99.56000	-1.1538	99.121	-0.024172	-1.1751	9.9709E-6
	37.00000	22.00000	99.56000	-1.0190	99.121	-0.016243	-0.94878	8.2405E-6
	38.00000	22.00000	99.56000	-0.90341	99.121	-0.011262	-0.77632	6.8605E-6
	39.00000	22.00000	99.56000	-0.80375	99.121	-0.0080160	-0.64269	5.7555E-6
	40.00000	22.00000	99.56000	-0.71736	99.121	-0.0058347	-0.53762	4.8651E-6
	41.00000	22.00000	99.56000	-0.64211	99.121	-0.0043298	-0.45391	4.1423E-6
	42.00000	22.00000	99.56000	-0.57626	99.121	-0.0032678	-0.38646	3.5510E-6
	43.00000	22.00000	99.56000	-0.51840	99.121	-0.0025035	-0.33154	3.0638E-6
	44.00000	22.00000	99.56000	-0.46736	99.121	-0.0019437	-0.28639	2.6593E-6
	45.00000	22.00000	99.56000	-0.42218	99.121	-0.0015273	-0.24897	2.3212E-6
	46.00000	22.00000	99.56000	-0.38206	99.121	-0.0012132	-0.21770	2.0368E-6
	47.00000	22.00000	99.56000	-0.34632	99.121	-973.32E-6	-0.19138	1.7960E-6
	48.00000	22.00000	99.56000	-0.31440	99.121	-788.00E-6	-0.16909	1.5910E-6
	49.00000	22.00000	99.56000	-0.28581	99.121	-643.32E-6	-0.15009	1.4154E-6
	50.00000	22.00000	99.56000	-0.26015	99.121	-529.27E-6	-0.13379	1.2643E-6
	0.00000	23.00000	99.56000	-0.23665	99.121	-718.41E-6	-0.14368	1.3490E-6
	1.00000	23.00000	99.56000	-0.26060	99.121	-896.83E-6	-0.16246	1.5205E-6
	2.00000	23.00000	99.56000	-0.28750	99.121	-0.0011330	-0.18475	1.7225E-6
	3.00000	23.00000	99.56000	-0.31783	99.121	-0.0014506	-0.21145	1.9625E-6
	4.00000	23.00000	99.56000	-0.35218	99.121	-0.0018854	-0.24373	2.2497E-6
	5.00000	23.00000	99.56000	-0.39129	99.121	-0.0024931	-0.28319	2.5964E-6
	6.00000	23.00000	99.56000	-0.43606	99.121	-0.0033618	-0.33202	3.0186E-6
	7.00000	23.00000	99.56000	-0.48765	99.121	-0.0046355	-0.39326	3.5374E-6
	8.00000	23.00000	99.56000	-0.54751	99.121	-0.0065568	-0.47122	4.1805E-6
	9.00000	23.00000	99.56000	-0.61746	99.121	-0.0095459	-0.57206	4.9830E-6
	10.00000	23.00000	99.56000	-0.69981	99.121	-0.014352	-0.70469	5.9876E-6
	11.00000	23.00000	99.56000	-0.79738	99.121	-0.022338	-0.88191	7.2393E-6
	12.00000	23.00000	99.56000	-0.91344	99.121	-0.035997	-1.1217	8.7671E-6
	13.00000	23.00000	99.56000	-1.0514	99.121	-0.059736	-1.4473	10.540E-6
	14.00000	23.00000	99.56000	-1.2133	99.121	-0.10029	-1.8823	12.395E-6
	15.00000	23.00000	99.56000	-1.3981	99.121	-0.16364	-2.4324	14.041E-6
	16.00000	23.00000	99.56000	-1.5972	99.121	-0.24300	-3.0518	15.428E-6
	17.00000	23.00000	99.56000	-1.7956	99.121	-0.31037	-3.6361	17.171E-6
	18.00000	23.00000	99.56000	-1.9796	99.121	-0.34269	-4.0961	19.746E-6
	19.00000	23.00000	99.56000	-2.1435	99.121	-0.34504	-4.4230	22.774E-6
	20.00000	23.00000	99.56000	-2.2882	99.121	-0.33406	-4.6603	25.709E-6
	21.00000	23.00000	99.56000	-2.4160	99.121	-0.32269	-4.8565	28.268E-6
	22.00000	23.00000	99.56000	-2.5278	99.121	-0.31910	-5.0477	30.328E-6
	23.00000	23.00000	99.56000	-2.6223	99.121	-0.32862	-5.2540	31.771E-6
	24.00000	23.00000	99.56000	-2.6956	99.121	-0.35496	-5.4778	32.408E-6
	25.00000	23.00000	99.56000	-2.7403	99.121	-0.39944	-5.6973	31.949E-6
	26.00000	23.00000	99.56000	-2.7447	99.121	-0.45401	-5.8472	30.231E-6
	27.00000	23.00000	99.56000	-2.6936	99.121	-0.49213	-5.8118	27.675E-6
	28.00000	23.00000	99.56000	-2.5759	99.121	-0.47664	-5.4748	25.312E-6
	29.00000	23.00000	99.56000	-2.3953	99.121	-0.39438	-4.8236	23.786E-6
	30.00000	23.00000	99.56000	-2.1746	99.121	-0.27902	-3.9979	22.493E-6
	31.00000	23.00000	99.56000	-1.9435	99.121	-0.17783	-3.1885	20.536E-6
	32.00000	23.00000	99.56000	-1.7236	99.121	-0.10918	-2.5076	17.931E-6
	33.00000	23.00000	99.56000	-1.5248	99.121	-0.067535	-1.9751	15.196E-6
	34.00000	23.00000	99.56000	-1.3494	99.121	-0.042903	-1.5694	12.699E-6
	35.00000	23.00000	99.56000	-1.1961	99.121	-0.028129	-1.2609	10.572E-6
	36.00000	23.00000	99.56000	-1.0626	99.121	-0.019013	-1.0248	8.8151E-6
	37.00000	23.00000	99.56000	-0.94642	99.121	-0.013210	-0.84194	7.3825E-6
	38.00000	23.00000	99.56000	-0.84501	99.121	-0.0094026	-0.69876	6.2177E-6
	39.00000	23.00000	99.56000	-0.75631	99.121	-0.0068361	-0.58534	5.2688E-6
	40.00000	23.00000	99.56000	-0.67850	99.121	-0.0050637	-0.49451	4.4926E-6
	41.00000	23.00000	99.56000	-0.61003	99.121	-0.0038132	-0.42105	3.8542E-6
	42.00000	23.00000	99.56000	-0.54959	99.121	-0.0029141	-0.36108	3.3259E-6
	43.00000	23.00000	99.56000	-0.49608	99.121	-0.0022565	-0.31171	2.8862E-6
	44.00000	23.00000	99.56000	-0.44858	99.121	-0.0017682	-0.27074	2.5180E-6
	45.00000	23.00000	99.56000	-0.40628	99.121	-0.0014007	-0.23649	2.2078E-6
	46.00000	23.00000	99.56000	-0.36854	99.121	-0.0011207	-0.20766	1.9450E-6
	47.00000	23.00000	99.56000	-0.33477	99.121	-904.76E-6	-0.18324	1.7212E-6
	48.00000	23.00000	99.56000	-0.30448	99.121	-736.60E-6	-0.16244	1.5296E-6
	49.00000	23.00000	99.56000	-0.27727	99.121	-604.37E-6	-0.14461	1.3647E-6
	50.00000	23.00000	99.56000	-0.25276	99.121	-499.45E-6	-0.12926	1.2221E-6
	0.00000	24.00000	99.56000	-0.23079	99.121	-670.73E-6	-0.13849	1.3016E-6
	1.00000	24.00000	99.56000	-0.25380	99.121	-831.76E-6	-0.15610	1.4627E-6
	2.00000	24.00000	99.56000	-0.27955	99.121	-0.0010426	-0.17686	1.6514E-6
	3.00000	24.00000	99.56000	-0.30847	99.121	-0.0013225	-0.20155	1.8741E-6
	4.00000	24.00000	99.56000	-0.34107	99.121	-0.0016999	-0.23113	2.1385E-6
	5.00000	24.00000	99.56000	-0.37796	99.121	-0.0022173	-0.26690	2.4547E-6
	6.00000	24.00000	99.56000	-0.41990	99.121	-0.0029401	-0.31058	2.8355E-6
	7.00000	24.00000	99.56000	-0.46779	99.121	-0.0039696	-0.36447	3.2974E-6
	8.00000	24.00000	99.56000	-0.52273	99.121	-0.0054670	-0.43166	3.8608E-6
	9.00000	24.00000	99.56000	-0.58603	99.121	-0.0076917	-0.51634	4.5513E-6
	10.00000	24.00000	99.56000	-0.65920	99.121	-0.011064	-0.62406	5.3982E-6
	11.00000	24.00000	99.56000	-0.74395	99.121	-0.016259	-0.76203	6.4320E-6
	12.00000	24.00000	99.56000	-0.84194	99.121	-0.024321	-0.93895	7.6763E-6
	13.00000	24.00000	99.56000	-0.95442	99.121	-0.036707	-1.1638	9.1329E-6
	14.00000	24.00000	99.56000	-1.0815	99.121	-0.054951	-1.4419	10.766E-6
	15.00000	24.00000	99.56000	-1.2211	99.121	-0.079374	-1.7683	12.507E-6
	16.00000	24.00000	99.56000	-1.3681	99.121	-0.10699	-2.1200	14.308E-6
	17.00000	24.00000	99.56000	-1.5152	99.121	-0.13144	-2.4600	16.178E-6
	18.00000	24.00000	99.56000	-1.6555	99.121	-0.14757	-2.7560	18.107E-6
	19.00000	24.00000	99.56000	-1.7844	99.121	-0.15520	-2.9977	20.002E-6
	20.00000	24.00000	99.56000	-1.9001	99.121	-0.15768	-3.1933	21.753E-6
	21.00000	24.00000	99.56000	-2.0017	99.121	-0.15877	-3.3582	23.285E-6
	22.00000	24.00000	99.56000	-2.0884	99.121	-0.16142	-3.5050	24.552E-6
	23.00000	24.00000	99.56000	-2.1582	99.121	-0.16751	-3.6398	25.503E-6
	24.00000	24.00000	99.56000	-2.2075	99.121	-0.17783	-3.7589	26.057E-6
	25.00000	24.00000	99.56000	-2.2316	99.121	-0.19148	-3.8461	26.109E-6
	26.00000	24.00000	99.56000	-2.2240	99.121	-0.20449	-3.8697	25.581E-6
	27.00000	24.00000	99.56000	-2.1786	99.121	-0.20937	-3.7877	24.504E-6
	28.00000	24.00000	99.56000	-2.0924	99.121	-0.19832	-3.5679	23.018E-6
	29.00000	24.00000	99.56000	-1.9694	99.121	-0.16980	-3.2156	21.264E-6
	30.00000	24.00000	99.56000	-1.8206	99.121	-0.13147	-2.7813	19.287E-6
	31.00000	24.00000	99.56000	-1.6602	99.121	-0.094315	-2.3342	17.117E-6
	32.00000	24.00000	99.56000	-1.5005	99.121	-0.064894	-1.9262	14.876E-6
	33.00000	24.00000	99.56000	-1.3495	99.121	-0.044095	-1.5799	12.732E-6
	34.00000	24.00000	99.56000	-1.2110	99.121	-0.030129	-1.2971	10.805E-6
	35.00000	24.00000	99.56000	-1.0860	99.121	-0.020887	-1.0698	9.1418E-6
	36.00000	24.00000	99.56000	-0.97425	99.121	-0.014739	-0.88792	7.7387E-6
	37.00000	24.00000	99.56000	-0.87489	99.121	-0.010592	-0.74219	6.5690E-6
	38.00000	24.00000	99.56000	-0.78667	99.121	-0.0077467	-0.62484	5.5983E-6
	39.00000	24.00000	99.56000	-0.70837	99.121	-0.0057583	-0.52973	4.7932E-6
	40.00000	24.00000	99.56000	-0.63883	99.121	-0.0043446	-0.45211	4.1239E-6
	41.00000	24.00000	99.56000	-0.57699	99.121	-0.0033228	-0.38832	3.5658E-6
	42.00000	24.00000	99.56000	-0.52191	99.121	-0.0025731	-0.33553	3.0984E-6
	43.00000	24.00000	99.56000	-0.47277	99.121	-0.0020153	-0.29156	2.7052E-6
	44.00000	24.00000	99.56000	-0.42884	99.121	-0.0015949	-0.25470	2.3728E-6
	45.00000	24.00000	99.56000	-0.38950	99.121	-0.0012745	-0.22361	2.0904E-6
	46.00000	24.00000	99.56000	-0.35419	99.121	-0.0010274	-0.19723	1.8494E-6
	47.00000	24.00000	99.56000	-0.32246	99.121	-835.13E-6	-0.17473	1.6428E-6
	48.00000	24.00000	99.56000	-0.29388	99.121	-684.02E-6	-0.15544	1.4649E-6
	49.00000	24.00000	99.56000	-0.26811	99.121	-564.26E-6	-0.13882	1.3110E-6
	50.00000	24.00000	99.56000	-0.24482	99.121	-468.57E-6	-0.12444	1.1773E-6
	0.00000	25.00000	99.56000	-0.22424	99.121	-621.36E-6	-0.13293	1.2506E-6
	1.00000	25.00000	99.56000	-0.24619	99.121	-764.93E-6	-0.14930	1.4007E-6
	2.00000	25.00000	99.56000	-0.27067	99.121	-950.68E-6	-0.16847	1.5755E-6
	3.00000	25.00000	99.56000	-0.29804	99.121	-0.0011939	-0.19107	1.7802E-6
	4.00000	25.00000	99.56000	-0.32872	99.121	-0.0015163	-0.21790	2.0211E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	5.00000	25.00000	99.56000	-0.36322	99.121	-0.0019497	-0.24997	2.3064E-6
	6.00000	25.00000	99.56000	-0.40214	99.121	-0.0025404	-0.28859	2.6459E-6
	7.00000	25.00000	99.56000	-0.44616	99.121	-0.0033575	-0.33544	3.0519E-6
	8.00000	25.00000	99.56000	-0.49608	99.121	-0.0045036	-0.39267	3.5393E-6
	9.00000	25.00000	99.56000	-0.55280	99.121	-0.0061320	-0.46299	4.1255E-6
	10.00000	25.00000	99.56000	-0.61728	99.121	-0.0084682	-0.54975	4.8295E-6
	11.00000	25.00000	99.56000	-0.69045	99.121	-0.011832	-0.65680	5.6704E-6
	12.00000	25.00000	99.56000	-0.77307	99.121	-0.016645	-0.78813	6.6621E-6
	13.00000	25.00000	99.56000	-0.86543	99.121	-0.023370	-0.94684	7.8078E-6
	14.00000	25.00000	99.56000	-0.96698	99.121	-0.032314	-1.1332	9.0926E-6
	15.00000	25.00000	99.56000	-1.0759	99.121	-0.043239	-1.3424	10.483E-6
	16.00000	25.00000	99.56000	-1.1889	99.121	-0.055012	-1.5630	11.935E-6
	17.00000	25.00000	99.56000	-1.3019	99.121	-0.065835	-1.7793	13.400E-6
	18.00000	25.00000	99.56000	-1.4107	99.121	-0.074237	-1.9775	14.830E-6
	19.00000	25.00000	99.56000	-1.5121	99.121	-0.079899	-2.1504	16.175E-6
	20.00000	25.00000	99.56000	-1.6037	99.121	-0.083540	-2.2978	17.391E-6
	21.00000	25.00000	99.56000	-1.6839	99.121	-0.086270	-2.4233	18.447E-6
	22.00000	25.00000	99.56000	-1.7511	99.121	-0.089077	-2.5302	19.318E-6
	23.00000	25.00000	99.56000	-1.8032	99.121	-0.092582	-2.6188	19.972E-6
	24.00000	25.00000	99.56000	-1.8377	99.121	-0.096870	-2.6852	20.366E-6
	25.00000	25.00000	99.56000	-1.8514	99.121	-0.10129	-2.7198	20.444E-6
	26.00000	25.00000	99.56000	-1.8410	99.121	-0.10425	-2.7080	20.158E-6
	27.00000	25.00000	99.56000	-1.8040	99.121	-0.10349	-2.6342	19.488E-6
	28.00000	25.00000	99.56000	-1.7401	99.121	-0.097132	-2.4896	18.457E-6
	29.00000	25.00000	99.56000	-1.6521	99.121	-0.085110	-2.2799	17.125E-6
	30.00000	25.00000	99.56000	-1.5462	99.121	-0.069613	-2.0267	15.575E-6
	31.00000	25.00000	99.56000	-1.4302	99.121	-0.053798	-1.7592	13.904E-6
	32.00000	25.00000	99.56000	-1.3113	99.121	-0.040028	-1.5026	12.220E-6
	33.00000	25.00000	99.56000	-1.1952	99.121	-0.029208	-1.2721	10.617E-6
	34.00000	25.00000	99.56000	-1.0854	99.121	-0.021197	-1.0733	9.1586E-6
	35.00000	25.00000	99.56000	-0.98353	99.121	-0.015437	-0.90599	7.8732E-6
	36.00000	25.00000	99.56000	-0.89038	99.121	-0.011337	-0.76676	6.7636E-6
	37.00000	25.00000	99.56000	-0.80587	99.121	-0.0084169	-0.65150	5.8175E-6
	38.00000	25.00000	99.56000	-0.72958	99.121	-0.0063223	-0.55614	5.0161E-6
	39.00000	25.00000	99.56000	-0.66089	99.121	-0.0048051	-0.47710	4.3391E-6
	40.00000	25.00000	99.56000	-0.59914	99.121	-0.0036937	-0.41135	3.7673E-6
	41.00000	25.00000	99.56000	-0.54364	99.121	-0.0028702	-0.35644	3.2835E-6
	42.00000	25.00000	99.56000	-0.49375	99.121	-0.0022531	-0.31036	2.8733E-6
	43.00000	25.00000	99.56000	-0.44889	99.121	-0.0017857	-0.27151	2.5244E-6
	44.00000	25.00000	99.56000	-0.40850	99.121	-0.0014279	-0.23859	2.2265E-6
	45.00000	25.00000	99.56000	-0.37210	99.121	-0.0011514	-0.21056	1.9713E-6
	46.00000	25.00000	99.56000	-0.33925	99.121	-935.67E-6	-0.18659	1.7518E-6
	47.00000	25.00000	99.56000	-0.30959	99.121	-765.97E-6	-0.16600	1.5623E-6
	48.00000	25.00000	99.56000	-0.28275	99.121	-631.38E-6	-0.14823	1.3981E-6
	49.00000	25.00000	99.56000	-0.25845	99.121	-523.81E-6	-0.13282	1.2553E-6
	50.00000	25.00000	99.56000	-0.23642	99.121	-437.22E-6	-0.11942	1.1306E-6
	0.00000	26.00000	99.56000	-0.21710	99.121	-571.65E-6	-0.12709	1.1970E-6
	1.00000	26.00000	99.56000	-0.23792	99.121	-698.31E-6	-0.14220	1.3359E-6
	2.00000	26.00000	99.56000	-0.26105	99.121	-860.13E-6	-0.15977	1.4966E-6
	3.00000	26.00000	99.56000	-0.28677	99.121	-0.0010689	-0.18030	1.6832E-6
	4.00000	26.00000	99.56000	-0.31544	99.121	-0.0013410	-0.20443	1.9009E-6
	5.00000	26.00000	99.56000	-0.34747	99.121	-0.0016992	-0.23293	2.1560E-6
	6.00000	26.00000	99.56000	-0.38330	99.121	-0.0021760	-0.26677	2.4559E-6
	7.00000	26.00000	99.56000	-0.42346	99.121	-0.0028165	-0.30715	2.8095E-6
	8.00000	26.00000	99.56000	-0.46849	99.121	-0.0036844	-0.35551	3.2273E-6
	9.00000	26.00000	99.56000	-0.51899	99.121	-0.0048678	-0.41358	3.7206E-6
	10.00000	26.00000	99.56000	-0.57551	99.121	-0.0064844	-0.48328	4.3014E-6
	11.00000	26.00000	99.56000	-0.63855	99.121	-0.0086827	-0.56662	4.9804E-6
	12.00000	26.00000	99.56000	-0.70835	99.121	-0.011629	-0.66530	5.7645E-6
	13.00000	26.00000	99.56000	-0.78479	99.121	-0.015466	-0.78016	6.6535E-6
	14.00000	26.00000	99.56000	-0.86716	99.121	-0.020227	-0.91032	7.6368E-6
	15.00000	26.00000	99.56000	-0.95401	99.121	-0.025733	-1.0523	8.6917E-6
	16.00000	26.00000	99.56000	-1.0432	99.121	-0.031533	-1.2001	9.7855E-6
	17.00000	26.00000	99.56000	-1.1320	99.121	-0.037019	-1.3461	10.880E-6
	18.00000	26.00000	99.56000	-1.2177	99.121	-0.041687	-1.4833	11.937E-6
	19.00000	26.00000	99.56000	-1.2979	99.121	-0.045351	-1.6069	12.921E-6
	20.00000	26.00000	99.56000	-1.3704	99.121	-0.048157	-1.7151	13.805E-6
	21.00000	26.00000	99.56000	-1.4337	99.121	-0.050424	-1.8075	14.568E-6
	22.00000	26.00000	99.56000	-1.4860	99.121	-0.052466	-1.8840	15.190E-6
	23.00000	26.00000	99.56000	-1.5255	99.121	-0.054460	-1.9433	15.648E-6
	24.00000	26.00000	99.56000	-1.5504	99.121	-0.056359	-1.9823	15.915E-6
	25.00000	26.00000	99.56000	-1.5588	99.121	-0.057826	-1.9956	15.958E-6
	26.00000	26.00000	99.56000	-1.5488	99.121	-0.058247	-1.9766	15.750E-6
	27.00000	26.00000	99.56000	-1.5195	99.121	-0.056895	-1.9195	15.275E-6
	28.00000	26.00000	99.56000	-1.4713	99.121	-0.053270	-1.8221	14.544E-6
	29.00000	26.00000	99.56000	-1.4063	99.121	-0.047468	-1.6888	13.590E-6
	30.00000	26.00000	99.56000	-1.3281	99.121	-0.040243	-1.5301	12.474E-6
	31.00000	26.00000	99.56000	-1.2415	99.121	-0.032672	-1.3600	11.266E-6
	32.00000	26.00000	99.56000	-1.1510	99.121	-0.025678	-1.1913	10.040E-6
	33.00000	26.00000	99.56000	-1.0605	99.121	-0.019766	-1.0337	8.8575E-6
	34.00000	26.00000	99.56000	-0.97281	99.121	-0.015056	-0.89202	7.7601E-6
	35.00000	26.00000	99.56000	-0.88966	99.121	-0.011434	-0.76813	6.7712E-6
	36.00000	26.00000	99.56000	-0.81204	99.121	-0.0087020	-0.66152	5.8979E-6
	37.00000	26.00000	99.56000	-0.74036	99.121	-0.0066575	-0.57064	5.1370E-6
	38.00000	26.00000	99.56000	-0.67463	99.121	-0.0051293	-0.49354	4.4795E-6
	39.00000	26.00000	99.56000	-0.61464	99.121	-0.0039832	-0.42825	3.9139E-6
	40.00000	26.00000	99.56000	-0.56007	99.121	-0.0031188	-0.37292	3.4286E-6
	41.00000	26.00000	99.56000	-0.51051	99.121	-0.0024621	-0.32596	3.0122E-6
	42.00000	26.00000	99.56000	-0.46556	99.121	-0.0019595	-0.28600	2.6546E-6
	43.00000	26.00000	99.56000	-0.42480	99.121	-0.0015717	-0.25189	2.3469E-6
	44.00000	26.00000	99.56000	-0.38785	99.121	-0.0012701	-0.22268	2.0817E-6
	45.00000	26.00000	99.56000	-0.35433	99.121	-0.0010337	-0.19758	1.8525E-6
	46.00000	26.00000	99.56000	-0.32392	99.121	-847.04E-6	-0.17593	1.6537E-6
	47.00000	26.00000	99.56000	-0.29632	99.121	-698.56E-6	-0.15718	1.4809E-6
	48.00000	26.00000	99.56000	-0.27123	99.121	-579.63E-6	-0.14090	1.3302E-6
	49.00000	26.00000	99.56000	-0.24842	99.121	-483.75E-6	-0.12670	1.1983E-6
	50.00000	26.00000	99.56000	-0.22766	99.121	-405.95E-6	-0.11427	1.0825E-6
	0.00000	27.00000	99.56000	-0.20948	99.121	-522.76E-6	-0.12109	1.1418E-6
	1.00000	27.00000	99.56000	-0.22914	99.121	-633.48E-6	-0.13496	1.2695E-6
	2.00000	27.00000	99.56000	-0.25085	99.121	-773.12E-6	-0.15095	1.4162E-6
	3.00000	27.00000	99.56000	-0.27489	99.121	-950.61E-6	-0.16947	1.5852E-6
	4.00000	27.00000	99.56000	-0.30152	99.121	-0.0011780	-0.19102	1.7806E-6
	5.00000	27.00000	99.56000	-0.33107	99.121	-0.0014714	-0.21618	2.0071E-6
	6.00000	27.00000	99.56000	-0.36386	99.121	-0.0018527	-0.24564	2.2701E-6
	7.00000	27.00000	99.56000	-0.40028	99.121	-0.0023512	-0.28025	2.5762E-6
	8.00000	27.00000	99.56000	-0.44068	99.121	-0.0030055	-0.32095	2.9321E-6
	9.00000	27.00000	99.56000	-0.48545	99.121	-0.0038652	-0.36880	3.3454E-6
	10.00000	27.00000	99.56000	-0.53488	99.121	-0.0049910	-0.42488	3.8229E-6
	11.00000	27.00000	99.56000	-0.58918	99.121	-0.0064511	-0.49019	4.3702E-6
	12.00000	27.00000	99.56000	-0.64834	99.121	-0.0083104	-0.56539	4.9901E-6
	13.00000	27.00000	99.56000	-0.71208	99.121	-0.010609	-0.65047	5.6802E-6
	14.00000	27.00000	99.56000	-0.77970	99.121	-0.013330	-0.74443	6.4317E-6
	15.00000	27.00000	99.56000	-0.85008	99.121	-0.016371	-0.84497	7.2283E-6
	16.00000	27.00000	99.56000	-0.92166	99.121	-0.019538	-0.94861	8.0475E-6
	17.00000	27.00000	99.56000	-0.99260	99.121	-0.022593	-1.0512	8.8629E-6
	18.00000	27.00000	99.56000	-1.0610	99.121	-0.025333	-1.1487	9.6476E-6
	19.00000	27.00000	99.56000	-1.1249	99.121	-0.027658	-1.2380	10.377E-6
	20.00000	27.00000	99.56000	-1.1826	99.121	-0.029578	-1.3171	11.031E-6
	21.00000	27.00000	99.56000	-1.2327	99.121	-0.031173	-1.3846	11.592E-6
	22.00000	27.00000	99.56000	-1.2737	99.121	-0.032530	-1.4393	12.043E-6
	23.00000	27.00000	99.56000	-1.3042	99.121	-0.033684	-1.4798	12.368E-6
	24.00000	27.00000	99.56000	-1.3228	99.121	-0.034581	-1.5039	12.548E-6
	25.00000	27.00000	99.56000	-1.3282	99.121	-0.035061	-1.5085	12.565E-6
	26.00000	27.00000	99.56000	-1.3196	99.121	-0.034883	-1.4907	12.403E-6
	27.00000	27.00000	99.56000	-1.2965	99.121	-0.033800	-1.4482	12.055E-6
	28.00000	27.00000	99.56000	-1.2596	99.121	-0.031679	-1.3812	11.529E-6
	29.00000	27.00000	99.56000	-1.2103	99.121	-0.028599	-1.2924	10.849E-6
	30.00000	27.00000	99.56000	-1.1511	99.121	-0.024863	-1.1875	10.051E-6
	31.00000	27.00000	99.56000	-1.0849	99.121	-0.020893	-1.0740	9.1827E-6
	32.00000	27.00000	99.56000	-1.0147	99.121	-0.017082	-0.95901	8.2908E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	33.00000	27.00000	99.56000	-0.94322	99.121	-0.013692	-0.84831	7.4162E-6
	34.00000	27.00000	99.56000	-0.87262	99.121	-0.010839	-0.74571	6.5888E-6
	35.00000	27.00000	99.56000	-0.80445	99.121	-0.0085248	-0.65316	5.8273E-6
	36.00000	27.00000	99.56000	-0.73969	99.121	-0.0066921	-0.57121	5.1405E-6
	37.00000	27.00000	99.56000	-0.67893	99.121	-0.0052603	-0.49953	4.5298E-6
	38.00000	27.00000	99.56000	-0.62241	99.121	-0.0041491	-0.43732	3.9922E-6
	39.00000	27.00000	99.56000	-0.57018	99.121	-0.0032883	-0.38356	3.5218E-6
	40.00000	27.00000	99.56000	-0.52212	99.121	-0.0026207	-0.33720	3.1118E-6
	41.00000	27.00000	99.56000	-0.47804	99.121	-0.0021012	-0.29724	2.7552E-6
	42.00000	27.00000	99.56000	-0.43770	99.121	-0.0016951	-0.26277	2.4451E-6
	43.00000	27.00000	99.56000	-0.40083	99.121	-0.0013759	-0.23299	2.1753E-6
	44.00000	27.00000	99.56000	-0.36717	99.121	-0.0011237	-0.20721	1.9404E-6
	45.00000	27.00000	99.56000	-0.33644	99.121	-923.21E-6	-0.18484	1.7356E-6
	46.00000	27.00000	99.56000	-0.30840	99.121	-762.87E-6	-0.16538	1.5565E-6
	47.00000	27.00000	99.56000	-0.28281	99.121	-633.90E-6	-0.14840	1.3997E-6
	48.00000	27.00000	99.56000	-0.25946	99.121	-529.56E-6	-0.13355	1.2620E-6
	49.00000	27.00000	99.56000	-0.23813	99.121	-444.67E-6	-0.12052	1.1408E-6
	50.00000	27.00000	99.56000	-0.21864	99.121	-375.23E-6	-0.10906	1.0338E-6
	0.00000	28.00000	99.56000	-0.20151	99.121	-475.58E-6	-0.11503	1.0859E-6
	1.00000	28.00000	99.56000	-0.21997	99.121	-571.64E-6	-0.12768	1.2027E-6
	2.00000	28.00000	99.56000	-0.24026	99.121	-691.23E-6	-0.14216	1.3359E-6
	3.00000	28.00000	99.56000	-0.26261	99.121	-840.99E-6	-0.15879	1.4882E-6
	4.00000	28.00000	99.56000	-0.28722	99.121	-0.0010296	-0.17793	1.6625E-6
	5.00000	28.00000	99.56000	-0.31434	99.121	-0.0012683	-0.20002	1.8625E-6
	6.00000	28.00000	99.56000	-0.34421	99.121	-0.0015718	-0.22556	2.0921E-6
	7.00000	28.00000	99.56000	-0.37709	99.121	-0.0019586	-0.25512	2.3557E-6
	8.00000	28.00000	99.56000	-0.41321	99.121	-0.0024517	-0.28931	2.6580E-6
	9.00000	28.00000	99.56000	-0.45279	99.121	-0.0030790	-0.32875	3.0034E-6
	10.00000	28.00000	99.56000	-0.49597	99.121	-0.0038715	-0.37405	3.3959E-6
	11.00000	28.00000	99.56000	-0.54280	99.121	-0.0048603	-0.42566	3.8380E-6
	12.00000	28.00000	99.56000	-0.59313	99.121	-0.0060701	-0.48375	4.3300E-6
	13.00000	28.00000	99.56000	-0.64664	99.121	-0.0075091	-0.54806	4.8689E-6
	14.00000	28.00000	99.56000	-0.70270	99.121	-0.0091572	-0.61771	5.4474E-6
	15.00000	28.00000	99.56000	-0.76042	99.121	-0.010958	-0.69115	6.0537E-6
	16.00000	28.00000	99.56000	-0.81864	99.121	-0.012820	-0.76623	6.6723E-6
	17.00000	28.00000	99.56000	-0.87601	99.121	-0.014639	-0.84044	7.2849E-6
	18.00000	28.00000	99.56000	-0.93109	99.121	-0.016321	-0.91129	7.8731E-6
	19.00000	28.00000	99.56000	-0.98246	99.121	-0.017808	-0.97661	8.4191E-6
	20.00000	28.00000	99.56000	-1.0288	99.121	-0.019082	-1.0347	8.9071E-6
	21.00000	28.00000	99.56000	-1.0687	99.121	-0.020153	-1.0841	9.3233E-6
	22.00000	28.00000	99.56000	-1.1012	99.121	-0.021033	-1.1236	9.6547E-6
	23.00000	28.00000	99.56000	-1.1250	99.121	-0.021718	-1.1519	9.8886E-6
	24.00000	28.00000	99.56000	-1.1392	99.121	-0.022169	-1.1674	10.013E-6
	25.00000	28.00000	99.56000	-1.1429	99.121	-0.022311	-1.1685	10.015E-6
	26.00000	28.00000	99.56000	-1.1358	99.121	-0.022046	-1.1539	9.8889E-6
	27.00000	28.00000	99.56000	-1.1176	99.121	-0.021290	-1.1227	9.6310E-6
	28.00000	28.00000	99.56000	-1.0890	99.121	-0.020009	-1.0755	9.2482E-6
	29.00000	28.00000	99.56000	-1.0509	99.121	-0.018256	-1.0142	8.7566E-6
	30.00000	28.00000	99.56000	-1.0051	99.121	-0.016170	-0.94214	8.1805E-6
	31.00000	28.00000	99.56000	-0.95350	99.121	-0.013935	-0.86357	7.5497E-6
	32.00000	28.00000	99.56000	-0.89817	99.121	-0.011733	-0.78267	6.8946E-6
	33.00000	28.00000	99.56000	-0.84104	99.121	-0.0097027	-0.70310	6.2423E-6
	34.00000	28.00000	99.56000	-0.78374	99.121	-0.0079208	-0.62753	5.6143E-6
	35.00000	28.00000	99.56000	-0.72755	99.121	-0.0064135	-0.55765	5.0254E-6
	36.00000	28.00000	99.56000	-0.67338	99.121	-0.0051706	-0.49427	4.4840E-6
	37.00000	28.00000	99.56000	-0.62184	99.121	-0.0041629	-0.43758	3.9938E-6
	38.00000	28.00000	99.56000	-0.57328	99.121	-0.0033544	-0.38736	3.5547E-6
	39.00000	28.00000	99.56000	-0.52787	99.121	-0.0027092	-0.34316	3.1644E-6
	40.00000	28.00000	99.56000	-0.48565	99.121	-0.0021956	-0.30441	2.8191E-6
	41.00000	28.00000	99.56000	-0.44656	99.121	-0.0017867	-0.27051	2.5147E-6
	42.00000	28.00000	99.56000	-0.41047	99.121	-0.0014604	-0.24088	2.2469E-6
	43.00000	28.00000	99.56000	-0.37724	99.121	-0.0011994	-0.21499	2.0113E-6
	44.00000	28.00000	99.56000	-0.34668	99.121	-989.86E-6	-0.19233	1.8042E-6
	45.00000	28.00000	99.56000	-0.31861	99.121	-820.90E-6	-0.17248	1.6219E-6
	46.00000	28.00000	99.56000	-0.29286	99.121	-684.06E-6	-0.15507	1.4613E-6
	47.00000	28.00000	99.56000	-0.26923	99.121	-572.74E-6	-0.13976	1.3196E-6
	48.00000	28.00000	99.56000	-0.24756	99.121	-481.76E-6	-0.12628	1.1943E-6
	49.00000	28.00000	99.56000	-0.22769	99.121	-407.05E-6	-0.11437	1.0834E-6
	50.00000	28.00000	99.56000	-0.20946	99.121	-345.44E-6	-0.10383	0.0
	0.00000	29.00000	99.56000	-0.19329	99.121	-430.79E-6	-0.10899	1.0300E-6
	1.00000	29.00000	99.56000	-0.21054	99.121	-513.61E-6	-0.12048	1.1364E-6
	2.00000	29.00000	99.56000	-0.22943	99.121	-615.41E-6	-0.13353	1.2568E-6
	3.00000	29.00000	99.56000	-0.25012	99.121	-741.07E-6	-0.14839	1.3933E-6
	4.00000	29.00000	99.56000	-0.27277	99.121	-896.76E-6	-0.16532	1.5482E-6
	5.00000	29.00000	99.56000	-0.29756	99.121	-0.0010902	-0.18466	1.7241E-6
	6.00000	29.00000	99.56000	-0.32466	99.121	-0.0013311	-0.20674	1.9238E-6
	7.00000	29.00000	99.56000	-0.35424	99.121	-0.0016311	-0.23194	2.1504E-6
	8.00000	29.00000	99.56000	-0.38646	99.121	-0.0020039	-0.26065	2.4067E-6
	9.00000	29.00000	99.56000	-0.42141	99.121	-0.0024649	-0.29324	2.6954E-6
	10.00000	29.00000	99.56000	-0.45913	99.121	-0.0030300	-0.33002	3.0185E-6
	11.00000	29.00000	99.56000	-0.49957	99.121	-0.0037131	-0.37115	3.3769E-6
	12.00000	29.00000	99.56000	-0.54256	99.121	-0.0045232	-0.41660	3.7698E-6
	13.00000	29.00000	99.56000	-0.58774	99.121	-0.0054590	-0.46604	4.1941E-6
	14.00000	29.00000	99.56000	-0.63459	99.121	-0.0065051	-0.51877	4.6438E-6
	15.00000	29.00000	99.56000	-0.68237	99.121	-0.0076296	-0.57372	5.1103E-6
	16.00000	29.00000	99.56000	-0.73022	99.121	-0.0087866	-0.62945	5.5826E-6
	17.00000	29.00000	99.56000	-0.77708	99.121	-0.0099239	-0.68436	6.0481E-6
	18.00000	29.00000	99.56000	-0.82189	99.121	-0.010993	-0.73679	6.4935E-6
	19.00000	29.00000	99.56000	-0.86352	99.121	-0.011960	-0.78520	6.9059E-6
	20.00000	29.00000	99.56000	-0.90091	99.121	-0.012803	-0.82824	7.2735E-6
	21.00000	29.00000	99.56000	-0.93302	99.121	-0.013514	-0.86471	7.5853E-6
	22.00000	29.00000	99.56000	-0.95894	99.121	-0.014085	-0.89355	7.8313E-6
	23.00000	29.00000	99.56000	-0.97780	99.121	-0.014504	-0.91370	8.0026E-6
	24.00000	29.00000	99.56000	-0.98888	99.121	-0.014744	-0.92415	8.0891E-6
	25.00000	29.00000	99.56000	-0.99166	99.121	-0.014771	-0.92396	8.0857E-6
	26.00000	29.00000	99.56000	-0.98584	99.121	-0.014544	-0.91246	7.9876E-6
	27.00000	29.00000	99.56000	-0.97145	99.121	-0.014034	-0.88948	7.7949E-6
	28.00000	29.00000	99.56000	-0.94893	99.121	-0.013237	-0.85556	7.5128E-6
	29.00000	29.00000	99.56000	-0.91908	99.121	-0.012187	-0.81205	7.1527E-6
	30.00000	29.00000	99.56000	-0.88304	99.121	-0.010952	-0.76103	6.7305E-6
	31.00000	29.00000	99.56000	-0.84220	99.121	-0.0096213	-0.70501	6.2655E-6
	32.00000	29.00000	99.56000	-0.79800	99.121	-0.0082867	-0.64663	5.7779E-6
	33.00000	29.00000	99.56000	-0.75184	99.121	-0.0070221	-0.58822	5.2860E-6
	34.00000	29.00000	99.56000	-0.70496	99.121	-0.0058767	-0.53168	4.8052E-6
	35.00000	29.00000	99.56000	-0.65839	99.121	-0.0048747	-0.47831	4.3468E-6
	36.00000	29.00000	99.56000	-0.61292	99.121	-0.0040206	-0.42893	3.9184E-6
	37.00000	29.00000	99.56000	-0.56913	99.121	-0.0033058	-0.38390	3.5240E-6
	38.00000	29.00000	99.56000	-0.52740	99.121	-0.0027153	-0.34328	3.1652E-6
	39.00000	29.00000	99.56000	-0.48795	99.121	-0.0022314	-0.30693	2.8414E-6
	40.00000	29.00000	99.56000	-0.45092	99.121	-0.0018368	-0.27457	2.5511E-6
	41.00000	29.00000	99.56000	-0.41632	99.121	-0.0015158	-0.24587	2.2919E-6
	42.00000	29.00000	99.56000	-0.38412	99.121	-0.0012548	-0.22047	2.0612E-6
	43.00000	29.00000	99.56000	-0.35424	99.121	-0.0010423	-0.19802	1.8562E-6
	44.00000	29.00000	99.56000	-0.32658	99.121	-868.98E-6	-0.17817	1.6742E-6
	45.00000	29.00000	99.56000	-0.30102	99.121	-727.32E-6	-0.16062	1.5125E-6
	46.00000	29.00000	99.56000	-0.27743	99.121	-611.16E-6	-0.14510	1.3690E-6
	47.00000	29.00000	99.56000	-0.25569	99.121	-515.58E-6	-0.13134	1.2414E-6
	48.00000	29.00000	99.56000	-0.23565	99.121	-436.67E-6	-0.11914	1.1279E-6
	49.00000	29.00000	99.56000	-0.21719	99.121	-371.27E-6	-0.10830	1.0267E-6
	50.00000	29.00000	99.56000	-0.20020	99.121	-316.88E-6	-0.098648	0.0
	0.00000	30.00000	99.56000	-0.18491	99.121	-388.82E-6	-0.10304	0.0
	1.00000	30.00000	99.56000	-0.20098	99.121	-459.88E-6	-0.11344	1.0713E-6
	2.00000	30.00000	99.56000	-0.21849	99.121	-546.15E-6	-0.12516	1.1798E-6
	3.00000	30.00000	99.56000	-0.23757	99.121	-651.16E-6	-0.13839	1.3017E-6
	4.00000	30.00000	99.56000	-0.25834	99.121	-779.26E-6	-0.15333	1.4389E-6
	5.00000	30.00000	99.56000	-0.28093	99.121	-935.75E-6	-0.17021	1.5932E-6
	6.00000	30.00000	99.56000	-0.30545	99.121	-0.0011269	-0.18927	1.7666E-6
	7.00000	30.00000	99.56000	-0.33201	99.121	-0.0013600	-0.21075	1.9610E-6
	8.00000	30.00000	99.56000	-0.36069	99.121	-0.0016432	-0.23489	2.1783E-6
	9.00000	30.00000	99.56000	-0.39153	99.121	-0.0019850	-0.26190	2.4198E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	10.00000	30.00000	99.56000	-0.42451	99.121	-0.0023934	-0.29192	2.6867E-6
	11.00000	30.00000	99.56000	-0.45951	99.121	-0.0028745	-0.32497	2.9786E-6
	12.00000	30.00000	99.56000	-0.49635	99.121	-0.0034309	-0.36094	3.2945E-6
	13.00000	30.00000	99.56000	-0.53470	99.121	-0.0040593	-0.39950	3.6313E-6
	14.00000	30.00000	99.56000	-0.57411	99.121	-0.0047488	-0.44012	3.9845E-6
	15.00000	30.00000	99.56000	-0.61399	99.121	-0.0054808	-0.48201	4.3474E-6
	16.00000	30.00000	99.56000	-0.65363	99.121	-0.0062300	-0.52420	4.7122E-6
	17.00000	30.00000	99.56000	-0.69225	99.121	-0.0069682	-0.56557	5.0698E-6
	18.00000	30.00000	99.56000	-0.72900	99.121	-0.0076684	-0.60498	5.4107E-6
	19.00000	30.00000	99.56000	-0.76300	99.121	-0.0083080	-0.64132	5.7253E-6
	20.00000	30.00000	99.56000	-0.79342	99.121	-0.0088706	-0.67356	6.0047E-6
	21.00000	30.00000	99.56000	-0.81945	99.121	-0.0093444	-0.70077	6.2405E-6
	22.00000	30.00000	99.56000	-0.84034	99.121	-0.0097187	-0.72208	6.4251E-6
	23.00000	30.00000	99.56000	-0.85546	99.121	-0.0099816	-0.73673	6.5516E-6
	24.00000	30.00000	99.56000	-0.86428	99.121	-0.010118	-0.74401	6.6142E-6
	25.00000	30.00000	99.56000	-0.86642	99.121	-0.010108	-0.74339	6.6087E-6
	26.00000	30.00000	99.56000	-0.86171	99.121	-0.0099373	-0.73453	6.5329E-6
	27.00000	30.00000	99.56000	-0.85024	99.121	-0.0095949	-0.71748	6.3877E-6
	28.00000	30.00000	99.56000	-0.83234	99.121	-0.0090852	-0.69268	6.1773E-6
	29.00000	30.00000	99.56000	-0.80861	99.121	-0.0084293	-0.66109	5.9096E-6
	30.00000	30.00000	99.56000	-0.77988	99.121	-0.0076641	-0.62404	5.5954E-6
	31.00000	30.00000	99.56000	-0.74713	99.121	-0.0068364	-0.58314	5.2476E-6
	32.00000	30.00000	99.56000	-0.71141	99.121	-0.0059945	-0.54008	4.8797E-6
	33.00000	30.00000	99.56000	-0.67375	99.121	-0.0051802	-0.49642	4.5044E-6
	34.00000	30.00000	99.56000	-0.63511	99.121	-0.0044241	-0.45349	4.1327E-6
	35.00000	30.00000	99.56000	-0.59630	99.121	-0.0037446	-0.41228	3.7733E-6
	36.00000	30.00000	99.56000	-0.55799	99.121	-0.0031492	-0.37350	3.4324E-6
	37.00000	30.00000	99.56000	-0.52070	99.121	-0.0026375	-0.33754	3.1141E-6
	38.00000	30.00000	99.56000	-0.48479	99.121	-0.0022037	-0.30458	2.8202E-6
	39.00000	30.00000	99.56000	-0.45052	99.121	-0.0018398	-0.27463	2.5515E-6
	40.00000	30.00000	99.56000	-0.41806	99.121	-0.0015364	-0.24761	2.3075E-6
	41.00000	30.00000	99.56000	-0.38748	99.121	-0.0012846	-0.22333	2.0871E-6
	42.00000	30.00000	99.56000	-0.35879	99.121	-0.0010762	-0.20158	1.8888E-6
	43.00000	30.00000	99.56000	-0.33199	99.121	-903.67E-6	-0.18215	1.7107E-6
	44.00000	30.00000	99.56000	-0.30702	99.121	-760.90E-6	-0.16481	1.5511E-6
	45.00000	30.00000	99.56000	-0.28380	99.121	-642.60E-6	-0.14934	1.4082E-6
	46.00000	30.00000	99.56000	-0.26226	99.121	-544.40E-6	-0.13553	1.2803E-6
	47.00000	30.00000	99.56000	-0.24230	99.121	-462.71E-6	-0.12321	1.1658E-6
	48.00000	30.00000	99.56000	-0.22382	99.121	-394.57E-6	-0.11221	1.0632E-6
	49.00000	30.00000	99.56000	-0.20673	99.121	-337.58E-6	-0.10236	0.0
	50.00000	30.00000	99.56000	-0.19093	99.121	-289.77E-6	-0.093552	0.0
	0.00000	31.00000	99.56000	-0.17646	99.121	-349.93E-6	-0.097229	0.0
	1.00000	31.00000	99.56000	-0.19139	99.121	-410.68E-6	-0.10661	1.0081E-6
	2.00000	31.00000	99.56000	-0.20757	99.121	-483.53E-6	-0.11711	1.1055E-6
	3.00000	31.00000	99.56000	-0.22511	99.121	-571.06E-6	-0.12886	1.2142E-6
	4.00000	31.00000	99.56000	-0.24410	99.121	-676.29E-6	-0.14202	1.3354E-6
	5.00000	31.00000	99.56000	-0.26463	99.121	-802.79E-6	-0.15674	1.4705E-6
	6.00000	31.00000	99.56000	-0.28677	99.121	-954.66E-6	-0.17318	1.6208E-6
	7.00000	31.00000	99.56000	-0.31058	99.121	-0.0011364	-0.19150	1.7876E-6
	8.00000	31.00000	99.56000	-0.33609	99.121	-0.0013529	-0.21184	1.9720E-6
	9.00000	31.00000	99.56000	-0.36330	99.121	-0.0016086	-0.23430	2.1746E-6
	10.00000	31.00000	99.56000	-0.39215	99.121	-0.0019077	-0.25894	2.3957E-6
	11.00000	31.00000	99.56000	-0.42252	99.121	-0.0022527	-0.28571	2.6347E-6
	12.00000	31.00000	99.56000	-0.45420	99.121	-0.0026435	-0.31446	2.8904E-6
	13.00000	31.00000	99.56000	-0.48690	99.121	-0.0030769	-0.34492	3.1601E-6
	14.00000	31.00000	99.56000	-0.52024	99.121	-0.0035455	-0.37666	3.4400E-6
	15.00000	31.00000	99.56000	-0.55374	99.121	-0.0040378	-0.40909	3.7254E-6
	16.00000	31.00000	99.56000	-0.58683	99.121	-0.0045390	-0.44153	4.0102E-6
	17.00000	31.00000	99.56000	-0.61889	99.121	-0.0050326	-0.47318	4.2879E-6
	18.00000	31.00000	99.56000	-0.64926	99.121	-0.0055022	-0.50322	4.5514E-6
	19.00000	31.00000	99.56000	-0.67724	99.121	-0.0059332	-0.53084	4.7938E-6
	20.00000	31.00000	99.56000	-0.70217	99.121	-0.0063134	-0.55527	5.0081E-6
	21.00000	31.00000	99.56000	-0.72343	99.121	-0.0066326	-0.57579	5.1882E-6
	22.00000	31.00000	99.56000	-0.74043	99.121	-0.0068815	-0.59175	5.3283E-6
	23.00000	31.00000	99.56000	-0.75269	99.121	-0.0070510	-0.60258	5.4233E-6
	24.00000	31.00000	99.56000	-0.75980	99.121	-0.0071315	-0.60782	5.4694E-6
	25.00000	31.00000	99.56000	-0.76151	99.121	-0.0071137	-0.60713	5.4636E-6
	26.00000	31.00000	99.56000	-0.75772	99.121	-0.0069905	-0.60034	5.4051E-6
	27.00000	31.00000	99.56000	-0.74850	99.121	-0.0067594	-0.58756	5.2948E-6
	28.00000	31.00000	99.56000	-0.73413	99.121	-0.0064254	-0.56914	5.1360E-6
	29.00000	31.00000	99.56000	-0.71505	99.121	-0.0060021	-0.54576	4.9342E-6
	30.00000	31.00000	99.56000	-0.69188	99.121	-0.0055104	-0.51830	4.6970E-6
	31.00000	31.00000	99.56000	-0.66532	99.121	-0.0049765	-0.48784	4.4331E-6
	32.00000	31.00000	99.56000	-0.63616	99.121	-0.0044274	-0.45549	4.1519E-6
	33.00000	31.00000	99.56000	-0.60518	99.121	-0.0038876	-0.42233	3.8622E-6
	34.00000	31.00000	99.56000	-0.57310	99.121	-0.0033765	-0.38929	3.5721E-6
	35.00000	31.00000	99.56000	-0.54058	99.121	-0.0029069	-0.35713	3.2881E-6
	36.00000	31.00000	99.56000	-0.50818	99.121	-0.0024859	-0.32642	3.0153E-6
	37.00000	31.00000	99.56000	-0.47633	99.121	-0.0021156	-0.29754	2.7572E-6
	38.00000	31.00000	99.56000	-0.44539	99.121	-0.0017948	-0.27069	2.5159E-6
	39.00000	31.00000	99.56000	-0.41561	99.121	-0.0015199	-0.24596	2.2926E-6
	40.00000	31.00000	99.56000	-0.38715	99.121	-0.0012861	-0.22336	2.0874E-6
	41.00000	31.00000	99.56000	-0.36014	99.121	-0.0010886	-0.20281	1.9000E-6
	42.00000	31.00000	99.56000	-0.33462	99.121	-922.22E-6	-0.18421	1.7295E-6
	43.00000	31.00000	99.56000	-0.31062	99.121	-782.43E-6	-0.16742	1.5751E-6
	44.00000	31.00000	99.56000	-0.28811	99.121	-665.07E-6	-0.15228	1.4354E-6
	45.00000	31.00000	99.56000	-0.26707	99.121	-566.56E-6	-0.13867	1.3094E-6
	46.00000	31.00000	99.56000	-0.24744	99.121	-483.82E-6	-0.12642	1.1956E-6
	47.00000	31.00000	99.56000	-0.22916	99.121	-414.23E-6	-0.11541	1.0931E-6
	48.00000	31.00000	99.56000	-0.21216	99.121	-355.60E-6	-0.10551	1.0007E-6
	49.00000	31.00000	99.56000	-0.19637	99.121	-306.13E-6	-0.096602	0.0
	50.00000	31.00000	99.56000	-0.18173	99.121	-264.27E-6	-0.088578	0.0
	0.00000	32.00000	99.56000	-0.16803	99.121	-314.22E-6	-0.091607	0.0
	1.00000	32.00000	99.56000	-0.18184	99.121	-366.01E-6	-0.10095	0.0
	2.00000	32.00000	99.56000	-0.19676	99.121	-427.40E-6	-0.10944	1.0345E-6
	3.00000	32.00000	99.56000	-0.21285	99.121	-500.24E-6	-0.11986	1.1312E-6
	4.00000	32.00000	99.56000	-0.23017	99.121	-586.64E-6	-0.13143	1.2381E-6
	5.00000	32.00000	99.56000	-0.24879	99.121	-688.98E-6	-0.14425	1.3563E-6
	6.00000	32.00000	99.56000	-0.26874	99.121	-809.92E-6	-0.15844	1.4866E-6
	7.00000	32.00000	99.56000	-0.29006	99.121	-952.25E-6	-0.17408	1.6298E-6
	8.00000	32.00000	99.56000	-0.31275	99.121	-0.0011188	-0.19126	1.7864E-6
	9.00000	32.00000	99.56000	-0.33677	99.121	-0.0013120	-0.21002	1.9567E-6
	10.00000	32.00000	99.56000	-0.36204	99.121	-0.0015339	-0.23035	2.1407E-6
	11.00000	32.00000	99.56000	-0.38844	99.121	-0.0017852	-0.25219	2.3375E-6
	12.00000	32.00000	99.56000	-0.41577	99.121	-0.0020651	-0.27539	2.5458E-6
	13.00000	32.00000	99.56000	-0.44377	99.121	-0.0023709	-0.29971	2.7634E-6
	14.00000	32.00000	99.56000	-0.47212	99.121	-0.0026975	-0.32480	2.9873E-6
	15.00000	32.00000	99.56000	-0.50043	99.121	-0.0030374	-0.35024	3.2139E-6
	16.00000	32.00000	99.56000	-0.52823	99.121	-0.0033815	-0.37552	3.4385E-6
	17.00000	32.00000	99.56000	-0.55502	99.121	-0.0037196	-0.40005	3.6563E-6
	18.00000	32.00000	99.56000	-0.58028	99.121	-0.0040413	-0.42323	3.8620E-6
	19.00000	32.00000	99.56000	-0.60347	99.121	-0.0043369	-0.44447	4.0505E-6
	20.00000	32.00000	99.56000	-0.62406	99.121	-0.0045975	-0.46319	4.2166E-6
	21.00000	32.00000	99.56000	-0.64155	99.121	-0.0048154	-0.47885	4.3555E-6
	22.00000	32.00000	99.56000	-0.65550	99.121	-0.0049836	-0.49096	4.4629E-6
	23.00000	32.00000	99.56000	-0.66553	99.121	-0.0050956	-0.49911	4.5353E-6
	24.00000	32.00000	99.56000	-0.67134	99.121	-0.0051455	-0.50298	4.5698E-6
	25.00000	32.00000	99.56000	-0.67275	99.121	-0.0051281	-0.50234	4.5647E-6
	26.00000	32.00000	99.56000	-0.66969	99.121	-0.0050406	-0.49713	4.5193E-6
	27.00000	32.00000	99.56000	-0.66223	99.121	-0.0048829	-0.48745	4.4348E-6
	28.00000	32.00000	99.56000	-0.65058	99.121	-0.0046593	-0.47358	4.3135E-6
	29.00000	32.00000	99.56000	-0.63509	99.121	-0.0043784	-0.45598	4.1595E-6
	30.00000	32.00000	99.56000	-0.61621	99.121	-0.0040529	-0.43528	3.9780E-6
	31.00000	32.00000	99.56000	-0.59447	99.121	-0.0036980	-0.41220	3.7752E-6
	32.00000	32.00000	99.56000	-0.57045	99.121	-0.0033297	-0.38751	3.5576E-6
	33.00000	32.00000	99.56000	-0.54476	99.121	-0.0029629	-0.36196	3.3315E-6
	34.00000	32.00000	99.56000	-0.51796	99.121	-0.0026099	-0.33622	3.1030E-6
	35.00000	32.00000	99.56000	-0.49057	99.121	-0.0022796	-0.31088	2.8768E-6
	36.00000	32.00000	99.56000	-0.46305	99.121	-0.0019777	-0.28637	2.6571E-6
	37.00000	32.00000	99.56000	-0.43578	99.121	-0.0017070	-0.26302	2.4468E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	38.00000	32.00000	99.56000	-0.40907	99.121	-0.0014678	-0.24105	2.2480E-6
	39.00000	32.00000	99.56000	-0.38316	99.121	-0.0012590	-0.22057	2.0619E-6
	40.00000	32.00000	99.56000	-0.35821	99.121	-0.0010783	-0.20163	1.8891E-6
	41.00000	32.00000	99.56000	-0.33436	99.121	-923.06E-6	-0.18423	1.7297E-6
	42.00000	32.00000	99.56000	-0.31167	99.121	-790.23E-6	-0.16831	1.5833E-6
	43.00000	32.00000	99.56000	-0.29020	99.121	-676.99E-6	-0.15380	1.4495E-6
	44.00000	32.00000	99.56000	-0.26995	99.121	-580.65E-6	-0.14061	1.3274E-6
	45.00000	32.00000	99.56000	-0.25091	99.121	-498.78E-6	-0.12865	1.2163E-6
	46.00000	32.00000	99.56000	-0.23305	99.121	-429.22E-6	-0.11780	1.1154E-6
	47.00000	32.00000	99.56000	-0.21635	99.121	-370.10E-6	-0.10798	1.0237E-6
	48.00000	32.00000	99.56000	-0.20075	99.121	-319.81E-6	-0.099092	0.0
	49.00000	32.00000	99.56000	-0.18619	99.121	-276.99E-6	-0.091044	0.0
	50.00000	32.00000	99.56000	-0.17264	99.121	-240.46E-6	-0.083755	0.0
	0.00000	33.00000	99.56000	-0.15967	99.121	-281.68E-6	-0.086204	0.0
	1.00000	33.00000	99.56000	-0.17243	99.121	-325.74E-6	-0.093796	0.0
	2.00000	33.00000	99.56000	-0.18614	99.121	-377.41E-6	-0.10217	0.0
	3.00000	33.00000	99.56000	-0.20086	99.121	-438.00E-6	-0.11140	1.0529E-6
	4.00000	33.00000	99.56000	-0.21664	99.121	-508.95E-6	-0.12157	1.1472E-6
	5.00000	33.00000	99.56000	-0.23350	99.121	-591.88E-6	-0.13274	1.2505E-6
	6.00000	33.00000	99.56000	-0.25147	99.121	-688.49E-6	-0.14499	1.3635E-6
	7.00000	33.00000	99.56000	-0.27054	99.121	-800.48E-6	-0.15838	1.4865E-6
	8.00000	33.00000	99.56000	-0.29071	99.121	-929.48E-6	-0.17293	1.6199E-6
	9.00000	33.00000	99.56000	-0.31193	99.121	-0.0010768	-0.18865	1.7635E-6
	10.00000	33.00000	99.56000	-0.33410	99.121	-0.0012433	-0.20552	1.9172E-6
	11.00000	33.00000	99.56000	-0.35709	99.121	-0.0014290	-0.22346	2.0800E-6
	12.00000	33.00000	99.56000	-0.38074	99.121	-0.0016330	-0.24233	2.2508E-6
	13.00000	33.00000	99.56000	-0.40482	99.121	-0.0018530	-0.26192	2.4277E-6
	14.00000	33.00000	99.56000	-0.42904	99.121	-0.0020854	-0.28198	2.6084E-6
	15.00000	33.00000	99.56000	-0.45307	99.121	-0.0023253	-0.30216	2.7898E-6
	16.00000	33.00000	99.56000	-0.47656	99.121	-0.0025668	-0.32208	2.9685E-6
	17.00000	33.00000	99.56000	-0.49908	99.121	-0.0028032	-0.34131	3.1410E-6
	18.00000	33.00000	99.56000	-0.52023	99.121	-0.0030277	-0.35941	3.3032E-6
	19.00000	33.00000	99.56000	-0.53957	99.121	-0.0032337	-0.37593	3.4511E-6
	20.00000	33.00000	99.56000	-0.55669	99.121	-0.0034149	-0.39043	3.5809E-6
	21.00000	33.00000	99.56000	-0.57120	99.121	-0.0035658	-0.40251	3.6891E-6
	22.00000	33.00000	99.56000	-0.58273	99.121	-0.0036814	-0.41182	3.7725E-6
	23.00000	33.00000	99.56000	-0.59101	99.121	-0.0037571	-0.41804	3.8283E-6
	24.00000	33.00000	99.56000	-0.59581	99.121	-0.0037892	-0.42095	3.8546E-6
	25.00000	33.00000	99.56000	-0.59699	99.121	-0.0037748	-0.42042	3.8503E-6
	26.00000	33.00000	99.56000	-0.59451	99.121	-0.0037128	-0.41640	3.8150E-6
	27.00000	33.00000	99.56000	-0.58843	99.121	-0.0036038	-0.40899	3.7496E-6
	28.00000	33.00000	99.56000	-0.57891	99.121	-0.0034511	-0.39840	3.6560E-6
	29.00000	33.00000	99.56000	-0.56622	99.121	-0.0032603	-0.38497	3.5370E-6
	30.00000	33.00000	99.56000	-0.55069	99.121	-0.0030392	-0.36912	3.3965E-6
	31.00000	33.00000	99.56000	-0.53274	99.121	-0.0027973	-0.35137	3.2387E-6
	32.00000	33.00000	99.56000	-0.51282	99.121	-0.0025443	-0.33226	3.0685E-6
	33.00000	33.00000	99.56000	-0.49137	99.121	-0.0022896	-0.31233	2.8903E-6
	34.00000	33.00000	99.56000	-0.46884	99.121	-0.0020410	-0.29206	2.7085E-6
	35.00000	33.00000	99.56000	-0.44566	99.121	-0.0018049	-0.27190	2.5270E-6
	36.00000	33.00000	99.56000	-0.42220	99.121	-0.0015856	-0.25218	2.3490E-6
	37.00000	33.00000	99.56000	-0.39878	99.121	-0.0013856	-0.23320	2.1768E-6
	38.00000	33.00000	99.56000	-0.37567	99.121	-0.0012058	-0.21513	2.0124E-6
	39.00000	33.00000	99.56000	-0.35309	99.121	-0.0010463	-0.19811	1.8569E-6
	40.00000	33.00000	99.56000	-0.33120	99.121	-906.07E-6	-0.18221	1.7111E-6
	41.00000	33.00000	99.56000	-0.31014	99.121	-783.68E-6	-0.16745	1.5753E-6
	42.00000	33.00000	99.56000	-0.28998	99.121	-677.49E-6	-0.15382	1.4495E-6
	43.00000	33.00000	99.56000	-0.27078	99.121	-585.72E-6	-0.14128	1.3335E-6
	44.00000	33.00000	99.56000	-0.25258	99.121	-506.67E-6	-0.12979	1.2269E-6
	45.00000	33.00000	99.56000	-0.23537	99.121	-438.69E-6	-0.11928	1.1291E-6
	46.00000	33.00000	99.56000	-0.21916	99.121	-380.30E-6	-0.10969	1.0397E-6
	47.00000	33.00000	99.56000	-0.20392	99.121	-330.18E-6	-0.10094	0.0
	48.00000	33.00000	99.56000	-0.18963	99.121	-287.14E-6	-0.092971	0.0
	49.00000	33.00000	99.56000	-0.17624	99.121	-250.17E-6	-0.085713	0.0
	50.00000	33.00000	99.56000	-0.16373	99.121	-218.38E-6	-0.079103	0.0
	0.00000	34.00000	99.56000	-0.15144	99.121	-252.20E-6	-0.081042	0.0
	1.00000	34.00000	99.56000	-0.16320	99.121	-289.64E-6	-0.087855	0.0
	2.00000	34.00000	99.56000	-0.17579	99.121	-333.10E-6	-0.095321	0.0
	3.00000	34.00000	99.56000	-0.18924	99.121	-383.51E-6	-0.10349	0.0
	4.00000	34.00000	99.56000	-0.20358	99.121	-441.85E-6	-0.11243	1.0626E-6
	5.00000	34.00000	99.56000	-0.21883	99.121	-509.20E-6	-0.12217	1.1530E-6
	6.00000	34.00000	99.56000	-0.23499	99.121	-586.64E-6	-0.13276	1.2510E-6
	7.00000	34.00000	99.56000	-0.25206	99.121	-675.21E-6	-0.14423	1.3569E-6
	8.00000	34.00000	99.56000	-0.27000	99.121	-775.83E-6	-0.15659	1.4707E-6
	9.00000	34.00000	99.56000	-0.28875	99.121	-889.17E-6	-0.16983	1.5922E-6
	10.00000	34.00000	99.56000	-0.30822	99.121	-0.0010155	-0.18390	1.7211E-6
	11.00000	34.00000	99.56000	-0.32830	99.121	-0.0011545	-0.19872	1.8565E-6
	12.00000	34.00000	99.56000	-0.34882	99.121	-0.0013054	-0.21418	1.9974E-6
	13.00000	34.00000	99.56000	-0.36959	99.121	-0.0014663	-0.23011	2.1422E-6
	14.00000	34.00000	99.56000	-0.39036	99.121	-0.0016346	-0.24628	2.2890E-6
	15.00000	34.00000	99.56000	-0.41087	99.121	-0.0018071	-0.26245	2.4355E-6
	16.00000	34.00000	99.56000	-0.43081	99.121	-0.0019797	-0.27831	2.5790E-6
	17.00000	34.00000	99.56000	-0.44986	99.121	-0.0021479	-0.29355	2.7167E-6
	18.00000	34.00000	99.56000	-0.46767	99.121	-0.0023072	-0.30783	2.8457E-6
	19.00000	34.00000	99.56000	-0.48390	99.121	-0.0024530	-0.32081	2.9628E-6
	20.00000	34.00000	99.56000	-0.49822	99.121	-0.0025809	-0.33216	3.0653E-6
	21.00000	34.00000	99.56000	-0.51033	99.121	-0.0026870	-0.34159	3.1504E-6
	22.00000	34.00000	99.56000	-0.51994	99.121	-0.0027677	-0.34882	3.2157E-6
	23.00000	34.00000	99.56000	-0.52683	99.121	-0.0028199	-0.35363	3.2593E-6
	24.00000	34.00000	99.56000	-0.53083	99.121	-0.0028412	-0.35587	3.2797E-6
	25.00000	34.00000	99.56000	-0.53183	99.121	-0.0028300	-0.35544	3.2762E-6
	26.00000	34.00000	99.56000	-0.52982	99.121	-0.0027859	-0.35232	3.2486E-6
	27.00000	34.00000	99.56000	-0.52482	99.121	-0.0027096	-0.34659	3.1975E-6
	28.00000	34.00000	99.56000	-0.51698	99.121	-0.0026034	-0.33841	3.1245E-6
	29.00000	34.00000	99.56000	-0.50650	99.121	-0.0024711	-0.32802	3.0316E-6
	30.00000	34.00000	99.56000	-0.49364	99.121	-0.0023177	-0.31573	2.9215E-6
	31.00000	34.00000	99.56000	-0.47870	99.121	-0.0021492	-0.30190	2.7975E-6
	32.00000	34.00000	99.56000	-0.46205	99.121	-0.0019718	-0.28693	2.6629E-6
	33.00000	34.00000	99.56000	-0.44403	99.121	-0.0017914	-0.27120	2.5211E-6
	34.00000	34.00000	99.56000	-0.42499	99.121	-0.0016135	-0.25508	2.3754E-6
	35.00000	34.00000	99.56000	-0.40528	99.121	-0.0014422	-0.23889	2.2286E-6
	36.00000	34.00000	99.56000	-0.38520	99.121	-0.0012808	-0.22292	2.0834E-6
	37.00000	34.00000	99.56000	-0.36503	99.121	-0.0011315	-0.20738	1.9417E-6
	38.00000	34.00000	99.56000	-0.34499	99.121	-995.31E-6	-0.19246	1.8051E-6
	39.00000	34.00000	99.56000	-0.32529	99.121	-872.66E-6	-0.17826	1.6748E-6
	40.00000	34.00000	99.56000	-0.30607	99.121	-763.28E-6	-0.16487	1.5515E-6
	41.00000	34.00000	99.56000	-0.28746	99.121	-666.50E-6	-0.15232	1.4357E-6
	42.00000	34.00000	99.56000	-0.26955	99.121	-581.42E-6	-0.14063	1.3275E-6
	43.00000	34.00000	99.56000	-0.25239	99.121	-506.98E-6	-0.12980	1.2270E-6
	44.00000	34.00000	99.56000	-0.23604	99.121	-442.08E-6	-0.11978	1.1338E-6
	45.00000	34.00000	99.56000	-0.22051	99.121	-385.66E-6	-0.11056	1.0478E-6
	46.00000	34.00000	99.56000	-0.20581	99.121	-336.70E-6	-0.10208	0.0
	47.00000	34.00000	99.56000	-0.19193	99.121	-294.26E-6	-0.094296	0.0
	48.00000	34.00000	99.56000	-0.17885	99.121	-257.48E-6	-0.087161	0.0
	49.00000	34.00000	99.56000	-0.16656	99.121	-225.63E-6	-0.080625	0.0
	50.00000	34.00000	99.56000	-0.15503	99.121	-198.02E-6	-0.074640	0.0
	0.00000	35.00000	99.56000	-0.14339	99.121	-225.62E-6	-0.076133	0.0
	1.00000	35.00000	99.56000	-0.15421	99.121	-257.42E-6	-0.082242	0.0
	2.00000	35.00000	99.56000	-0.16574	99.121	-293.98E-6	-0.088895	0.0
	3.00000	35.00000	99.56000	-0.17801	99.121	-335.94E-6	-0.096130	0.0
	4.00000	35.00000	99.56000	-0.19104	99.121	-384.00E-6	-0.10398	0.0
	5.00000	35.00000	99.56000	-0.20482	99.121	-438.84E-6	-0.11248	1.0633E-6
	6.00000	35.00000	99.56000	-0.21935	99.121	-501.16E-6	-0.12165	1.1485E-6
	7.00000	35.00000	99.56000	-0.23462	99.121	-571.57E-6	-0.13150	1.2397E-6
	8.00000	35.00000	99.56000	-0.25058	99.121	-650.59E-6	-0.14204	1.3371E-6
	9.00000	35.00000	99.56000	-0.26717	99.121	-738.49E-6	-0.15322	1.4402E-6
	10.00000	35.00000	99.56000	-0.28430	99.121	-835.30E-6	-0.16501	1.5488E-6
	11.00000	35.00000	99.56000	-0.30187	99.121	-940.63E-6	-0.17734	1.6620E-6
	12.00000	35.00000	99.56000	-0.31972	99.121	-0.0010537	-0.19009	1.7788E-6
	13.00000	35.00000	99.56000	-0.33769	99.121	-0.0011730	-0.20313	1.8981E-6
	14.00000	35.00000	99.56000	-0.35558	99.121	-0.0012969	-0.21629	2.0183E-6

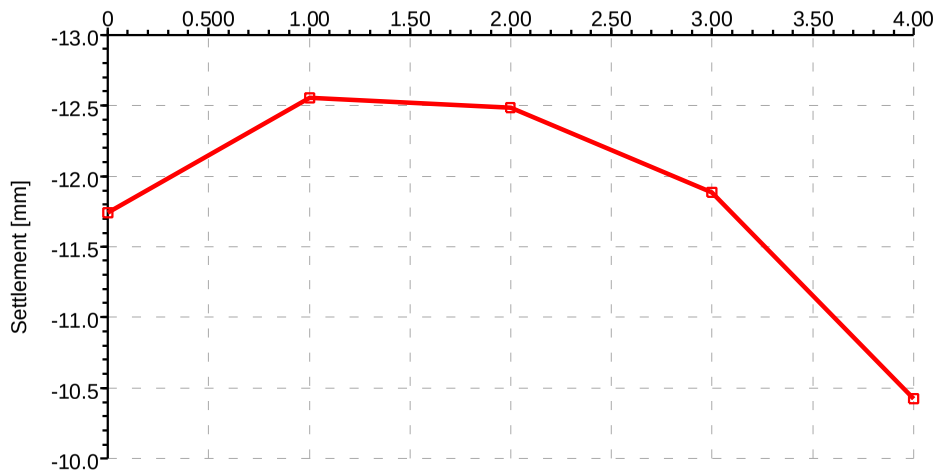
Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	15.00000	35.00000	99.56000	-0.37316	99.121	-0.0014229	-0.22935	2.1374E-6
	16.00000	35.00000	99.56000	-0.39017	99.121	-0.0015482	-0.24210	2.2536E-6
	17.00000	35.00000	99.56000	-0.40635	99.121	-0.0016698	-0.25429	2.3645E-6
	18.00000	35.00000	99.56000	-0.42143	99.121	-0.0017846	-0.26566	2.4679E-6
	19.00000	35.00000	99.56000	-0.43513	99.121	-0.0018892	-0.27596	2.5615E-6
	20.00000	35.00000	99.56000	-0.44719	99.121	-0.0019808	-0.28494	2.6431E-6
	21.00000	35.00000	99.56000	-0.45735	99.121	-0.0020564	-0.29237	2.7106E-6
	22.00000	35.00000	99.56000	-0.46541	99.121	-0.0021136	-0.29805	2.7623E-6
	23.00000	35.00000	99.56000	-0.47119	99.121	-0.0021503	-0.30183	2.7967E-6
	24.00000	35.00000	99.56000	-0.47455	99.121	-0.0021649	-0.30357	2.8128E-6
	25.00000	35.00000	99.56000	-0.47541	99.121	-0.0021564	-0.30323	2.8099E-6
	26.00000	35.00000	99.56000	-0.47376	99.121	-0.0021248	-0.30079	2.7882E-6
	27.00000	35.00000	99.56000	-0.46963	99.121	-0.0020706	-0.29631	2.7480E-6
	28.00000	35.00000	99.56000	-0.46313	99.121	-0.0019955	-0.28992	2.6904E-6
	29.00000	35.00000	99.56000	-0.45441	99.121	-0.0019021	-0.28179	2.6171E-6
	30.00000	35.00000	99.56000	-0.44368	99.121	-0.0017937	-0.27214	2.5301E-6
	31.00000	35.00000	99.56000	-0.43117	99.121	-0.0016741	-0.26125	2.4316E-6
	32.00000	35.00000	99.56000	-0.41716	99.121	-0.0015474	-0.24939	2.3241E-6
	33.00000	35.00000	99.56000	-0.40194	99.121	-0.0014176	-0.23685	2.2103E-6
	34.00000	35.00000	99.56000	-0.38577	99.121	-0.0012882	-0.22390	2.0925E-6
	35.00000	35.00000	99.56000	-0.36894	99.121	-0.0011622	-0.21081	1.9730E-6
	36.00000	35.00000	99.56000	-0.35169	99.121	-0.0010421	-0.19777	1.8539E-6
	37.00000	35.00000	99.56000	-0.33426	99.121	-929.49E-6	-0.18499	1.7366E-6
	38.00000	35.00000	99.56000	-0.31685	99.121	-825.49E-6	-0.17260	1.6227E-6
	39.00000	35.00000	99.56000	-0.29963	99.121	-730.58E-6	-0.16071	1.5131E-6
	40.00000	35.00000	99.56000	-0.28274	99.121	-644.84E-6	-0.14939	1.4086E-6
	41.00000	35.00000	99.56000	-0.26628	99.121	-568.03E-6	-0.13871	1.3097E-6
	42.00000	35.00000	99.56000	-0.25036	99.121	-499.68E-6	-0.12867	1.2165E-6
	43.00000	35.00000	99.56000	-0.23504	99.121	-439.18E-6	-0.11929	1.1292E-6
	44.00000	35.00000	99.56000	-0.22036	99.121	-385.87E-6	-0.11057	1.0478E-6
	45.00000	35.00000	99.56000	-0.20635	99.121	-339.03E-6	-0.10247	0.0
	46.00000	35.00000	99.56000	-0.19303	99.121	-297.98E-6	-0.094973	0.0
	47.00000	35.00000	99.56000	-0.18040	99.121	-262.07E-6	-0.088051	0.0
	48.00000	35.00000	99.56000	-0.16845	99.121	-230.68E-6	-0.081667	0.0
	49.00000	35.00000	99.56000	-0.15718	99.121	-203.27E-6	-0.075788	0.0
	50.00000	35.00000	99.56000	-0.14657	99.121	-179.33E-6	-0.070376	0.0
	0.00000	36.00000	99.56000	-0.13556	99.121	-201.75E-6	-0.071485	0.0
	1.00000	36.00000	99.56000	-0.14549	99.121	-228.76E-6	-0.076959	0.0
	2.00000	36.00000	99.56000	-0.15605	99.121	-259.53E-6	-0.082886	0.0
	3.00000	36.00000	99.56000	-0.16723	99.121	-294.51E-6	-0.089291	0.0
	4.00000	36.00000	99.56000	-0.17905	99.121	-334.16E-6	-0.096197	0.0
	5.00000	36.00000	99.56000	-0.19150	99.121	-378.95E-6	-0.10362	0.0
	6.00000	36.00000	99.56000	-0.20456	99.121	-429.31E-6	-0.11158	1.0551E-6
	7.00000	36.00000	99.56000	-0.21822	99.121	-485.58E-6	-0.12006	1.1339E-6
	8.00000	36.00000	99.56000	-0.23243	99.121	-548.03E-6	-0.12906	1.2174E-6
	9.00000	36.00000	99.56000	-0.24712	99.121	-616.75E-6	-0.13855	1.3053E-6
	10.00000	36.00000	99.56000	-0.26221	99.121	-691.62E-6	-0.14848	1.3971E-6
	11.00000	36.00000	99.56000	-0.27761	99.121	-772.25E-6	-0.15878	1.4921E-6
	12.00000	36.00000	99.56000	-0.29319	99.121	-857.93E-6	-0.16937	1.5896E-6
	13.00000	36.00000	99.56000	-0.30879	99.121	-947.65E-6	-0.18012	1.6885E-6
	14.00000	36.00000	99.56000	-0.32425	99.121	-0.0010400	-0.19090	1.7874E-6
	15.00000	36.00000	99.56000	-0.33937	99.121	-0.0011333	-0.20154	1.8851E-6
	16.00000	36.00000	99.56000	-0.35394	99.121	-0.0012256	-0.21188	1.9797E-6
	17.00000	36.00000	99.56000	-0.36776	99.121	-0.0013148	-0.22171	2.0697E-6
	18.00000	36.00000	99.56000	-0.38059	99.121	-0.0013986	-0.23085	2.1533E-6
	19.00000	36.00000	99.56000	-0.39221	99.121	-0.0014748	-0.23910	2.2287E-6
	20.00000	36.00000	99.56000	-0.40242	99.121	-0.0015412	-0.24626	2.2942E-6
	21.00000	36.00000	99.56000	-0.41100	99.121	-0.0015958	-0.25218	2.3483E-6
	22.00000	36.00000	99.56000	-0.41780	99.121	-0.0016370	-0.25669	2.3896E-6
	23.00000	36.00000	99.56000	-0.42268	99.121	-0.0016632	-0.25968	2.4170E-6
	24.00000	36.00000	99.56000	-0.42552	99.121	-0.0016734	-0.26106	2.4298E-6
	25.00000	36.00000	99.56000	-0.42627	99.121	-0.0016671	-0.26079	2.4276E-6
	26.00000	36.00000	99.56000	-0.42491	99.121	-0.0016442	-0.25887	2.4103E-6
	27.00000	36.00000	99.56000	-0.42148	99.121	-0.0016052	-0.25534	2.3784E-6
	28.00000	36.00000	99.56000	-0.41605	99.121	-0.0015514	-0.25029	2.3327E-6
	29.00000	36.00000	99.56000	-0.40874	99.121	-0.0014844	-0.24386	2.2743E-6
	30.00000	36.00000	99.56000	-0.39973	99.121	-0.0014064	-0.23621	2.2048E-6
	31.00000	36.00000	99.56000	-0.38919	99.121	-0.0013202	-0.22753	2.1258E-6
	32.00000	36.00000	99.56000	-0.37735	99.121	-0.0012282	-0.21805	2.0393E-6
	33.00000	36.00000	99.56000	-0.36441	99.121	-0.0011333	-0.20796	1.9471E-6
	34.00000	36.00000	99.56000	-0.35062	99.121	-0.0010379	-0.19747	1.8512E-6
	35.00000	36.00000	99.56000	-0.33618	99.121	-944.07E-6	-0.18680	1.7533E-6
	36.00000	36.00000	99.56000	-0.32132	99.121	-853.68E-6	-0.17609	1.6549E-6
	37.00000	36.00000	99.56000	-0.30622	99.121	-768.00E-6	-0.16551	1.5575E-6
	38.00000	36.00000	99.56000	-0.29106	99.121	-687.93E-6	-0.15517	1.4620E-6
	39.00000	36.00000	99.56000	-0.27598	99.121	-614.01E-6	-0.14517	1.3696E-6
	40.00000	36.00000	99.56000	-0.26111	99.121	-546.46E-6	-0.13559	1.2807E-6
	41.00000	36.00000	99.56000	-0.24655	99.121	-485.25E-6	-0.12646	1.1959E-6
	42.00000	36.00000	99.56000	-0.23240	99.121	-430.17E-6	-0.11783	1.1156E-6
	43.00000	36.00000	99.56000	-0.21871	99.121	-380.90E-6	-0.10971	1.0398E-6
	44.00000	36.00000	99.56000	-0.20553	99.121	-337.03E-6	-0.10209	0.0
	45.00000	36.00000	99.56000	-0.19290	99.121	-298.12E-6	-0.094977	0.0
	46.00000	36.00000	99.56000	-0.18084	99.121	-263.70E-6	-0.088354	0.0
	47.00000	36.00000	99.56000	-0.16936	99.121	-233.32E-6	-0.082199	0.0
	48.00000	36.00000	99.56000	-0.15846	99.121	-206.55E-6	-0.076492	0.0
	49.00000	36.00000	99.56000	-0.14814	99.121	-182.98E-6	-0.071206	0.0
	50.00000	36.00000	99.56000	-0.13838	99.121	-162.25E-6	-0.066316	0.0
	0.00000	37.00000	99.56000	-0.12797	99.121	-180.39E-6	-0.067097	0.0
	1.00000	37.00000	99.56000	-0.13708	99.121	-203.33E-6	-0.072002	0.0
	2.00000	37.00000	99.56000	-0.14673	99.121	-229.25E-6	-0.077282	0.0
	3.00000	37.00000	99.56000	-0.15691	99.121	-258.45E-6	-0.082955	0.0
	4.00000	37.00000	99.56000	-0.16763	99.121	-291.25E-6	-0.089034	0.0
	5.00000	37.00000	99.56000	-0.17887	99.121	-327.95E-6	-0.095529	0.0
	6.00000	37.00000	99.56000	-0.19061	99.121	-368.80E-6	-0.10244	0.0
	7.00000	37.00000	99.56000	-0.20283	99.121	-414.01E-6	-0.10976	1.0384E-6
	8.00000	37.00000	99.56000	-0.21549	99.121	-463.68E-6	-0.11748	1.1102E-6
	9.00000	37.00000	99.56000	-0.22851	99.121	-517.79E-6	-0.12556	1.1853E-6
	10.00000	37.00000	99.56000	-0.24184	99.121	-576.18E-6	-0.13396	1.2632E-6
	11.00000	37.00000	99.56000	-0.25536	99.121	-638.49E-6	-0.14261	1.3434E-6
	12.00000	37.00000	99.56000	-0.26898	99.121	-704.14E-6	-0.15145	1.4251E-6
	13.00000	37.00000	99.56000	-0.28256	99.121	-772.34E-6	-0.16037	1.5075E-6
	14.00000	37.00000	99.56000	-0.29596	99.121	-842.05E-6	-0.16927	1.5896E-6
	15.00000	37.00000	99.56000	-0.30902	99.121	-912.03E-6	-0.17801	1.6701E-6
	16.00000	37.00000	99.56000	-0.32156	99.121	-980.90E-6	-0.18645	1.7478E-6
	17.00000	37.00000	99.56000	-0.33340	99.121	-0.0010471	-0.19445	1.8214E-6
	18.00000	37.00000	99.56000	-0.34437	99.121	-0.0011091	-0.20185	1.8895E-6
	19.00000	37.00000	99.56000	-0.35428	99.121	-0.0011652	-0.20851	1.9506E-6
	20.00000	37.00000	99.56000	-0.36296	99.121	-0.0012140	-0.21428	2.0037E-6
	21.00000	37.00000	99.56000	-0.37025	99.121	-0.0012540	-0.21903	2.0473E-6
	22.00000	37.00000	99.56000	-0.37602	99.121	-0.0012840	-0.22265	2.0806E-6
	23.00000	37.00000	99.56000	-0.38016	99.121	-0.0013030	-0.22505	2.1027E-6
	24.00000	37.00000	99.56000	-0.38258	99.121	-0.0013103	-0.22615	2.1130E-6
	25.00000	37.00000	99.56000	-0.38323	99.121	-0.0013056	-0.22594	2.1112E-6
	26.00000	37.00000	99.56000	-0.38211	99.121	-0.0012889	-0.22442	2.0974E-6
	27.00000	37.00000	99.56000	-0.37923	99.121	-0.0012605	-0.22161	2.0719E-6
	28.00000	37.00000	99.56000	-0.37467	99.121	-0.0012213	-0.21758	2.0352E-6
	29.00000	37.00000	99.56000	-0.36852	99.121	-0.0011726	-0.21245	1.9883E-6
	30.00000	37.00000	99.56000	-0.36091	99.121	-0.0011157	-0.20632	1.9323E-6
	31.00000	37.00000	99.56000	-0.35198	99.121	-0.0010525	-0.19934	1.8685E-6
	32.00000	37.00000	99.56000	-0.34191	99.121	-984.86E-6	-0.19168	1.7982E-6
	33.00000	37.00000	99.56000	-0.33087	99.121	-914.52E-6	-0.18350	1.7231E-6
	34.00000	37.00000	99.56000	-0.31905	99.121	-843.27E-6	-0.17494	1.6444E-6
	35.00000	37.00000	99.56000	-0.30663	99.121	-772.64E-6	-0.16617	1.5636E-6
	36.00000	37.00000	99.56000	-0.29378	99.121	-703.92E-6	-0.15733	1.4820E-6
	37.00000	37.00000	99.56000	-0.28066	99.121	-638.14E-6	-0.14852	1.4005E-6
	38.00000	37.00000	99.56000	-0.26742	99.121	-576.03E-6	-0.13985	1.3203E-6
	39.00000	37.00000	99.56000	-0.25419	99.121	-518.08E-6	-0.13141	1.2420E-6
	40.00000	37.00000	99.56000	-0.24109	99.121	-464.57E-6	-0.12327	1.1662E-6
	41.00000	37.00000	99.56000	-0.22820	99.121	-415.58E-6	-0.11545	1.0934E-6
	42.00000	37.00000	99.56000	-0.21561	99.121	-371.05E-6	-0.10801	1.0240E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	43.00000	37.00000	99.56000	-0.20338	99.121	-330.83E-6	-0.10096	0.0
	44.00000	37.00000	99.56000	-0.19155	99.121	-294.67E-6	-0.094310	0.0
	45.00000	37.00000	99.56000	-0.18017	99.121	-262.30E-6	-0.088059	0.0
	46.00000	37.00000	99.56000	-0.16925	99.121	-233.42E-6	-0.082203	0.0
	47.00000	37.00000	99.56000	-0.15882	99.121	-207.71E-6	-0.076731	0.0
	48.00000	37.00000	99.56000	-0.14889	99.121	-184.88E-6	-0.071629	0.0
	49.00000	37.00000	99.56000	-0.13944	99.121	-164.64E-6	-0.066879	0.0
	50.00000	37.00000	99.56000	-0.13049	99.121	-146.70E-6	-0.062464	0.0
	0.00000	38.00000	99.56000	-0.12065	99.121	-161.30E-6	-0.062968	0.0
	1.00000	38.00000	99.56000	-0.12900	99.121	-180.81E-6	-0.067362	0.0
	2.00000	38.00000	99.56000	-0.13781	99.121	-202.67E-6	-0.072068	0.0
	3.00000	38.00000	99.56000	-0.14707	99.121	-227.09E-6	-0.077096	0.0
	4.00000	38.00000	99.56000	-0.15678	99.121	-254.29E-6	-0.082453	0.0
	5.00000	38.00000	99.56000	-0.16693	99.121	-284.46E-6	-0.088142	0.0
	6.00000	38.00000	99.56000	-0.17749	99.121	-317.74E-6	-0.094160	0.0
	7.00000	38.00000	99.56000	-0.18843	99.121	-354.23E-6	-0.10050	0.0
	8.00000	38.00000	99.56000	-0.19971	99.121	-393.97E-6	-0.10713	1.0141E-6
	9.00000	38.00000	99.56000	-0.21127	99.121	-436.88E-6	-0.11404	1.0785E-6
	10.00000	38.00000	99.56000	-0.22305	99.121	-482.78E-6	-0.12117	1.1449E-6
	11.00000	38.00000	99.56000	-0.23495	99.121	-531.35E-6	-0.12848	1.2128E-6
	12.00000	38.00000	99.56000	-0.24688	99.121	-582.14E-6	-0.13590	1.2816E-6
	13.00000	38.00000	99.56000	-0.25874	99.121	-634.51E-6	-0.14335	1.3507E-6
	14.00000	38.00000	99.56000	-0.27039	99.121	-687.69E-6	-0.15073	1.4191E-6
	15.00000	38.00000	99.56000	-0.28170	99.121	-740.78E-6	-0.15795	1.4859E-6
	16.00000	38.00000	99.56000	-0.29253	99.121	-792.74E-6	-0.16490	1.5501E-6
	17.00000	38.00000	99.56000	-0.30273	99.121	-842.47E-6	-0.17145	1.6107E-6
	18.00000	38.00000	99.56000	-0.31214	99.121	-888.84E-6	-0.17750	1.6665E-6
	19.00000	38.00000	99.56000	-0.32063	99.121	-930.69E-6	-0.18292	1.7166E-6
	20.00000	38.00000	99.56000	-0.32805	99.121	-966.93E-6	-0.18761	1.7598E-6
	21.00000	38.00000	99.56000	-0.33427	99.121	-996.58E-6	-0.19146	1.7954E-6
	22.00000	38.00000	99.56000	-0.33920	99.121	-0.0010187	-0.19438	1.8224E-6
	23.00000	38.00000	99.56000	-0.34272	99.121	-0.0010328	-0.19632	1.8403E-6
	24.00000	38.00000	99.56000	-0.34479	99.121	-0.0010381	-0.19722	1.8487E-6
	25.00000	38.00000	99.56000	-0.34536	99.121	-0.0010346	-0.19706	1.8473E-6
	26.00000	38.00000	99.56000	-0.34443	99.121	-0.0010222	-0.19583	1.8362E-6
	27.00000	38.00000	99.56000	-0.34201	99.121	-0.0010013	-0.19358	1.8156E-6
	28.00000	38.00000	99.56000	-0.33816	99.121	-972.47E-6	-0.19034	1.7860E-6
	29.00000	38.00000	99.56000	-0.33295	99.121	-936.50E-6	-0.18620	1.7480E-6
	30.00000	38.00000	99.56000	-0.32648	99.121	-894.47E-6	-0.18125	1.7025E-6
	31.00000	38.00000	99.56000	-0.31888	99.121	-847.57E-6	-0.17559	1.6505E-6
	32.00000	38.00000	99.56000	-0.31028	99.121	-797.10E-6	-0.16936	1.5930E-6
	33.00000	38.00000	99.56000	-0.30081	99.121	-744.34E-6	-0.16266	1.5313E-6
	34.00000	38.00000	99.56000	-0.29064	99.121	-690.53E-6	-0.15563	1.4664E-6
	35.00000	38.00000	99.56000	-0.27991	99.121	-636.78E-6	-0.14838	1.3993E-6
	36.00000	38.00000	99.56000	-0.26877	99.121	-584.04E-6	-0.14102	1.3312E-6
	37.00000	38.00000	99.56000	-0.25734	99.121	-533.10E-6	-0.13366	1.2628E-6
	38.00000	38.00000	99.56000	-0.24576	99.121	-484.57E-6	-0.12636	1.1950E-6
	39.00000	38.00000	99.56000	-0.23414	99.121	-438.86E-6	-0.11921	1.1284E-6
	40.00000	38.00000	99.56000	-0.22258	99.121	-396.25E-6	-0.11226	1.0636E-6
	41.00000	38.00000	99.56000	-0.21115	99.121	-356.87E-6	-0.10555	1.0010E-6
	42.00000	38.00000	99.56000	-0.19994	99.121	-320.74E-6	-0.099124	0.0
	43.00000	38.00000	99.56000	-0.18901	99.121	-287.81E-6	-0.092994	0.0
	44.00000	38.00000	99.56000	-0.17839	99.121	-257.94E-6	-0.087177	0.0
	45.00000	38.00000	99.56000	-0.16814	99.121	-230.97E-6	-0.081679	0.0
	46.00000	38.00000	99.56000	-0.15827	99.121	-206.71E-6	-0.076498	0.0
	47.00000	38.00000	99.56000	-0.14880	99.121	-184.95E-6	-0.071632	0.0
	48.00000	38.00000	99.56000	-0.13975	99.121	-165.48E-6	-0.067071	0.0
	49.00000	38.00000	99.56000	-0.13111	99.121	-148.09E-6	-0.062804	0.0
	50.00000	38.00000	99.56000	-0.12290	99.121	-132.58E-6	-0.058819	0.0
	0.00000	39.00000	99.56000	-0.11361	99.121	-144.28E-6	-0.059091	0.0
	1.00000	39.00000	99.56000	-0.12125	99.121	-160.88E-6	-0.063028	0.0
	2.00000	39.00000	99.56000	-0.12929	99.121	-179.34E-6	-0.067224	0.0
	3.00000	39.00000	99.56000	-0.13771	99.121	-199.82E-6	-0.071684	0.0
	4.00000	39.00000	99.56000	-0.14651	99.121	-222.43E-6	-0.076411	0.0
	5.00000	39.00000	99.56000	-0.15567	99.121	-247.31E-6	-0.081403	0.0
	6.00000	39.00000	99.56000	-0.16517	99.121	-274.53E-6	-0.086653	0.0
	7.00000	39.00000	99.56000	-0.17497	99.121	-304.14E-6	-0.092151	0.0
	8.00000	39.00000	99.56000	-0.18503	99.121	-336.11E-6	-0.097874	0.0
	9.00000	39.00000	99.56000	-0.19530	99.121	-370.35E-6	-0.10380	0.0
	10.00000	39.00000	99.56000	-0.20573	99.121	-406.70E-6	-0.10988	1.0400E-6
	11.00000	39.00000	99.56000	-0.21622	99.121	-444.88E-6	-0.11608	1.0978E-6
	12.00000	39.00000	99.56000	-0.22670	99.121	-484.50E-6	-0.12234	1.1561E-6
	13.00000	39.00000	99.56000	-0.23708	99.121	-525.10E-6	-0.12859	1.2142E-6
	14.00000	39.00000	99.56000	-0.24724	99.121	-566.08E-6	-0.13476	1.2716E-6
	15.00000	39.00000	99.56000	-0.25707	99.121	-606.75E-6	-0.14077	1.3273E-6
	16.00000	39.00000	99.56000	-0.26645	99.121	-646.38E-6	-0.14652	1.3807E-6
	17.00000	39.00000	99.56000	-0.27526	99.121	-684.14E-6	-0.15193	1.4309E-6
	18.00000	39.00000	99.56000	-0.28338	99.121	-719.21E-6	-0.15690	1.4770E-6
	19.00000	39.00000	99.56000	-0.29068	99.121	-750.76E-6	-0.16135	1.5182E-6
	20.00000	39.00000	99.56000	-0.29705	99.121	-778.00E-6	-0.16518	1.5537E-6
	21.00000	39.00000	99.56000	-0.30238	99.121	-800.22E-6	-0.16833	1.5829E-6
	22.00000	39.00000	99.56000	-0.30660	99.121	-816.80E-6	-0.17071	1.6050E-6
	23.00000	39.00000	99.56000	-0.30962	99.121	-827.25E-6	-0.17229	1.6197E-6
	24.00000	39.00000	99.56000	-0.31140	99.121	-831.23E-6	-0.17303	1.6266E-6
	25.00000	39.00000	99.56000	-0.31190	99.121	-828.60E-6	-0.17290	1.6255E-6
	26.00000	39.00000	99.56000	-0.31113	99.121	-819.38E-6	-0.17192	1.6165E-6
	27.00000	39.00000	99.56000	-0.30908	99.121	-803.80E-6	-0.17009	1.5997E-6
	28.00000	39.00000	99.56000	-0.30581	99.121	-782.29E-6	-0.16747	1.5756E-6
	29.00000	39.00000	99.56000	-0.30138	99.121	-755.43E-6	-0.16410	1.5446E-6
	30.00000	39.00000	99.56000	-0.29586	99.121	-723.96E-6	-0.16007	1.5074E-6
	31.00000	39.00000	99.56000	-0.28935	99.121	-688.74E-6	-0.15545	1.4647E-6
	32.00000	39.00000	99.56000	-0.28197	99.121	-650.66E-6	-0.15033	1.4174E-6
	33.00000	39.00000	99.56000	-0.27383	99.121	-610.64E-6	-0.14481	1.3663E-6
	34.00000	39.00000	99.56000	-0.26504	99.121	-569.57E-6	-0.13900	1.3124E-6
	35.00000	39.00000	99.56000	-0.25575	99.121	-528.26E-6	-0.13297	1.2564E-6
	36.00000	39.00000	99.56000	-0.24605	99.121	-487.42E-6	-0.12681	1.1992E-6
	37.00000	39.00000	99.56000	-0.23607	99.121	-447.67E-6	-0.12062	1.1415E-6
	38.00000	39.00000	99.56000	-0.22592	99.121	-409.47E-6	-0.11445	1.0840E-6
	39.00000	39.00000	99.56000	-0.21569	99.121	-373.20E-6	-0.10836	1.0273E-6
	40.00000	39.00000	99.56000	-0.20547	99.121	-339.09E-6	-0.10242	0.0
	41.00000	39.00000	99.56000	-0.19533	99.121	-307.29E-6	-0.096643	0.0
	42.00000	39.00000	99.56000	-0.18535	99.121	-277.87E-6	-0.091076	0.0
	43.00000	39.00000	99.56000	-0.17557	99.121	-250.83E-6	-0.085738	0.0
	44.00000	39.00000	99.56000	-0.16604	99.121	-226.10E-6	-0.080643	0.0
	45.00000	39.00000	99.56000	-0.15680	99.121	-203.60E-6	-0.075801	0.0
	46.00000	39.00000	99.56000	-0.14787	99.121	-183.19E-6	-0.071215	0.0
	47.00000	39.00000	99.56000	-0.13928	99.121	-164.76E-6	-0.066885	0.0
	48.00000	39.00000	99.56000	-0.13104	99.121	-148.15E-6	-0.062806	0.0
	49.00000	39.00000	99.56000	-0.12316	99.121	-133.20E-6	-0.058973	0.0
	50.00000	39.00000	99.56000	-0.11563	99.121	-119.79E-6	-0.055377	0.0
	0.00000	40.00000	99.56000	-0.10686	99.121	-129.13E-6	-0.055456	0.0
	1.00000	40.00000	99.56000	-0.11386	99.121	-143.27E-6	-0.058987	0.0
	2.00000	40.00000	99.56000	-0.12119	99.121	-158.89E-6	-0.062731	0.0
	3.00000	40.00000	99.56000	-0.12884	99.121	-176.08E-6	-0.066691	0.0
	4.00000	40.00000	99.56000	-0.13681	99.121	-194.94E-6	-0.070867	0.0
	5.00000	40.00000	99.56000	-0.14508	99.121	-215.53E-6	-0.075254	0.0
	6.00000	40.00000	99.56000	-0.15362	99.121	-237.88E-6	-0.079845	0.0
	7.00000	40.00000	99.56000	-0.16240	99.121	-262.01E-6	-0.084626	0.0
	8.00000	40.00000	99.56000	-0.17139	99.121	-287.87E-6	-0.089578	0.0
	9.00000	40.00000	99.56000	-0.18053	99.121	-315.37E-6	-0.094675	0.0
	10.00000	40.00000	99.56000	-0.18977	99.121	-344.35E-6	-0.099884	0.0
	11.00000	40.00000	99.56000	-0.19904	99.121	-374.58E-6	-0.10516	0.0
	12.00000	40.00000	99.56000	-0.20826	99.121	-405.75E-6	-0.11047	1.0458E-6
	13.00000	40.00000	99.56000	-0.21736	99.121	-437.49E-6	-0.11574	1.0950E-6
	14.00000	40.00000	99.56000	-0.22625	99.121	-469.35E-6	-0.12093	1.1433E-6
	15.00000	40.00000	99.56000	-0.23482	99.121	-500.81E-6	-0.12595	1.1901E-6
	16.00000	40.00000	99.56000	-0.24297	99.121	-531.32E-6	-0.13075	1.2348E-6
	17.00000	40.00000	99.56000	-0.25061	99.121	-560.28E-6	-0.13524	1.2766E-6
	18.00000	40.00000	99.56000	-0.25763	99.121	-587.07E-6	-0.13936	1.3149E-6
	19.00000	40.00000	99.56000	-0.26393	99.121	-611.10E-6	-0.14304	1.3490E-6

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	20.00000	40.00000	99.56000	-0.26942	99.121	-631.79E-6	-0.14620	1.3784E-6
	21.00000	40.00000	99.56000	-0.27402	99.121	-648.63E-6	-0.14878	1.4025E-6
	22.00000	40.00000	99.56000	-0.27765	99.121	-661.16E-6	-0.15074	1.4208E-6
	23.00000	40.00000	99.56000	-0.28025	99.121	-669.05E-6	-0.15204	1.4329E-6
	24.00000	40.00000	99.56000	-0.28179	99.121	-672.06E-6	-0.15265	1.4386E-6
	25.00000	40.00000	99.56000	-0.28223	99.121	-670.08E-6	-0.15255	1.4377E-6
	26.00000	40.00000	99.56000	-0.28158	99.121	-663.14E-6	-0.15175	1.4304E-6
	27.00000	40.00000	99.56000	-0.27984	99.121	-651.41E-6	-0.15026	1.4167E-6
	28.00000	40.00000	99.56000	-0.27705	99.121	-635.19E-6	-0.14812	1.3968E-6
	29.00000	40.00000	99.56000	-0.27325	99.121	-614.91E-6	-0.14536	1.3713E-6
	30.00000	40.00000	99.56000	-0.26852	99.121	-591.09E-6	-0.14205	1.3407E-6
	31.00000	40.00000	99.56000	-0.26294	99.121	-564.34E-6	-0.13824	1.3054E-6
	32.00000	40.00000	99.56000	-0.25658	99.121	-535.29E-6	-0.13402	1.2662E-6
	33.00000	40.00000	99.56000	-0.24954	99.121	-504.62E-6	-0.12944	1.2237E-6
	34.00000	40.00000	99.56000	-0.24193	99.121	-472.97E-6	-0.12460	1.1786E-6
	35.00000	40.00000	99.56000	-0.23385	99.121	-440.93E-6	-0.11955	1.1316E-6
	36.00000	40.00000	99.56000	-0.22539	99.121	-409.05E-6	-0.11438	1.0834E-6
	37.00000	40.00000	99.56000	-0.21666	99.121	-377.80E-6	-0.10915	1.0346E-6
	38.00000	40.00000	99.56000	-0.20774	99.121	-347.54E-6	-0.10391	0.0
	39.00000	40.00000	99.56000	-0.19872	99.121	-318.58E-6	-0.098711	0.0
	40.00000	40.00000	99.56000	-0.18967	99.121	-291.13E-6	-0.093603	0.0
	41.00000	40.00000	99.56000	-0.18067	99.121	-265.34E-6	-0.088620	0.0
	42.00000	40.00000	99.56000	-0.17177	99.121	-241.30E-6	-0.083788	0.0
	43.00000	40.00000	99.56000	-0.16302	99.121	-219.02E-6	-0.079130	0.0
	44.00000	40.00000	99.56000	-0.15446	99.121	-198.50E-6	-0.074661	0.0
	45.00000	40.00000	99.56000	-0.14613	99.121	-179.68E-6	-0.070391	0.0
	46.00000	40.00000	99.56000	-0.13806	99.121	-162.49E-6	-0.066328	0.0
	47.00000	40.00000	99.56000	-0.13027	99.121	-146.86E-6	-0.062472	0.0
	48.00000	40.00000	99.56000	-0.12277	99.121	-132.67E-6	-0.058823	0.0
	49.00000	40.00000	99.56000	-0.11557	99.121	-119.83E-6	-0.055379	0.0
	50.00000	40.00000	99.56000	-0.10868	99.121	-108.23E-6	-0.052134	0.0
Line 18	24.60000	10.40000	103.13000	-11.743	102.82	0.0	0.0	0.0
	25.60000	10.40000	103.13000	-12.556	102.82	0.0	0.0	0.0
	26.60000	10.40000	103.13000	-12.487	102.82	0.0	0.0	0.0
	27.60000	10.40000	103.13000	-11.885	102.82	0.0	0.0	0.0
	28.60000	10.40000	103.13000	-10.426	102.82	0.0	0.0	0.0
Line 18	28.60000	10.40000	102.31000	-10.426	102.11	0.0	0.0	0.0
	28.60000	9.20000	102.31000	-7.2506	102.11	0.0	0.0	0.0
	28.60000	8.00000	102.31000	-4.0484	102.11	0.0	0.0	0.0
Line 18	28.60000	8.00000	102.31000	-4.0484	102.11	0.0	0.0	0.0
	29.50000	8.00000	102.31000	-3.5020	102.11	0.0	0.0	0.0
	30.40000	8.00000	102.31000	-2.9670	102.11	0.0	0.0	0.0
	31.30000	8.00000	102.31000	-2.5206	102.11	0.0	0.0	0.0
	32.20000	8.00000	102.31000	-2.1604	102.11	0.0	0.0	0.0
Line 18	32.20000	8.00000	102.31000	-2.1604	102.11	0.0	0.0	0.0
	32.20000	9.20000	102.31000	-2.5067	102.11	0.0	0.0	0.0
	32.20000	10.40000	102.31000	-2.8338	102.11	0.0	0.0	0.0
Line 18	32.30000	10.40000	102.31000	-2.7728	102.11	0.0	0.0	0.0
	33.30000	10.40000	102.31000	-2.2633	102.11	0.0	0.0	0.0
	34.30000	10.40000	102.31000	-1.8860	102.11	0.0	0.0	0.0
	35.30000	10.40000	102.31000	-1.5954	102.11	0.0	0.0	0.0
	36.30000	10.40000	102.31000	-1.3654	102.11	0.0	0.0	0.0
Line 18	36.30000	10.40000	102.31000	-1.3654	102.11	0.0	0.0	0.0
	36.35556	11.45556	102.31000	-1.4173	102.11	0.0	0.0	0.0
	36.41111	12.51111	102.31000	-1.4518	102.11	0.0	0.0	0.0
	36.46667	13.56667	102.31000	-1.4672	102.11	0.0	0.0	0.0
	36.52222	14.62222	102.31000	-1.4628	102.11	0.0	0.0	0.0
	36.57778	15.67778	102.31000	-1.4392	102.11	0.0	0.0	0.0
	36.63334	16.73333	102.31000	-1.3978	102.11	0.0	0.0	0.0
	36.68889	17.78889	102.31000	-1.3410	102.11	0.0	0.0	0.0
	36.74445	18.84444	102.31000	-1.2718	102.11	0.0	0.0	0.0
	36.80000	19.90000	102.31000	-1.1939	102.11	0.0	0.0	0.0
Line 18	36.80000	19.90000	102.31000	-1.1939	102.11	0.0	0.0	0.0
	35.70000	19.90000	102.31000	-1.3965	102.11	0.0	0.0	0.0
	34.60000	19.90000	102.31000	-1.6505	102.11	0.0	0.0	0.0
Line 18	34.60000	19.90000	102.31000	-1.6505	102.11	0.0	0.0	0.0
	34.60000	20.46667	102.31000	-1.5781	102.11	0.0	0.0	0.0
	34.60000	21.03333	102.31000	-1.5042	102.11	0.0	0.0	0.0
	34.60000	21.60000	102.31000	-1.4297	102.11	0.0	0.0	0.0
Line 18	34.60000	21.60000	102.31000	-1.4297	102.11	0.0	0.0	0.0
	33.60000	21.60000	102.31000	-1.6449	102.11	0.0	0.0	0.0
	32.60000	21.60000	102.31000	-1.9045	102.11	0.0	0.0	0.0
	31.60000	21.60000	102.31000	-2.2196	102.11	0.0	0.0	0.0
Line 18	31.60000	21.60000	102.31000	-2.2196	102.11	0.0	0.0	0.0
	30.66667	22.40000	102.31000	-2.2275	102.11	0.0	0.0	0.0
	29.73333	23.20000	102.31000	-2.1391	102.11	0.0	0.0	0.0
	28.80000	24.00000	102.31000	-1.9855	102.11	0.0	0.0	0.0
Line 18	28.80000	24.00000	102.31000	-1.9855	102.11	0.0	0.0	0.0
	29.65000	24.45000	102.31000	-1.7267	102.11	0.0	0.0	0.0
	30.50000	24.90000	102.31000	-1.5052	102.11	0.0	0.0	0.0
Line 18	30.50000	24.90000	102.31000	-1.5052	102.11	0.0	0.0	0.0
	30.05000	25.70000	102.31000	-1.3786	102.11	0.0	0.0	0.0
	29.60000	26.50000	102.31000	-1.2587	102.11	0.0	0.0	0.0
Line 18	29.60000	26.50000	102.31000	-1.2587	102.11	0.0	0.0	0.0
	28.40000	25.25000	102.31000	-1.6287	102.11	0.0	0.0	0.0
	27.20000	24.00000	102.31000	-2.1520	102.11	0.0	0.0	0.0
Line 18	27.20000	24.00000	102.31000	-2.1520	102.11	0.0	0.0	0.0
	27.60000	23.00000	102.31000	-2.6124	102.11	0.0	0.0	0.0
	28.00000	22.00000	102.31000	-3.2585	102.11	0.0	0.0	0.0
	28.40000	21.00000	102.31000	-4.2620	102.11	0.0	0.0	0.0
	28.80000	20.00000	102.31000	-6.7654	102.11	0.0	0.0	0.0
Line 18	28.80000	20.00000	103.13000	-6.7654	102.82	0.0	0.0	0.0
	27.90000	20.00000	103.13000	-7.6574	102.82	0.0	0.0	0.0
	27.00000	20.00000	103.13000	-7.3755	102.82	0.0	0.0	0.0
Line 18	27.00000	20.00000	103.13000	-7.3755	102.82	0.0	0.0	0.0
	25.85000	19.30000	103.13000	-9.1962	102.82	0.0	0.0	0.0
	24.70000	18.60000	103.13000	-10.870	102.82	0.0	0.0	0.0
Line 18	24.70000	18.60000	103.13000	-10.870	102.82	0.0	0.0	0.0
	24.68750	17.57500	103.13000	-13.119	102.82	0.0	0.0	0.0
	24.67500	16.55000	103.13000	-14.266	102.82	0.0	0.0	0.0
	24.66250	15.52500	103.13000	-14.683	102.82	0.0	0.0	0.0
	24.65000	14.50000	103.13000	-14.742	102.82	0.0	0.0	0.0
	24.63750	13.47500	103.13000	-14.161	102.82	0.0	0.0	0.0
	24.62500	12.45000	103.13000	-13.711	102.82	0.0	0.0	0.0
	24.61250	11.42500	103.13000	-12.985	102.82	0.0	0.0	0.0
	24.60000	10.40000	103.13000	-11.743	102.82	0.0	0.0	0.0

Displacement for Christchurch A

Distance from (24.6,10.4) in m



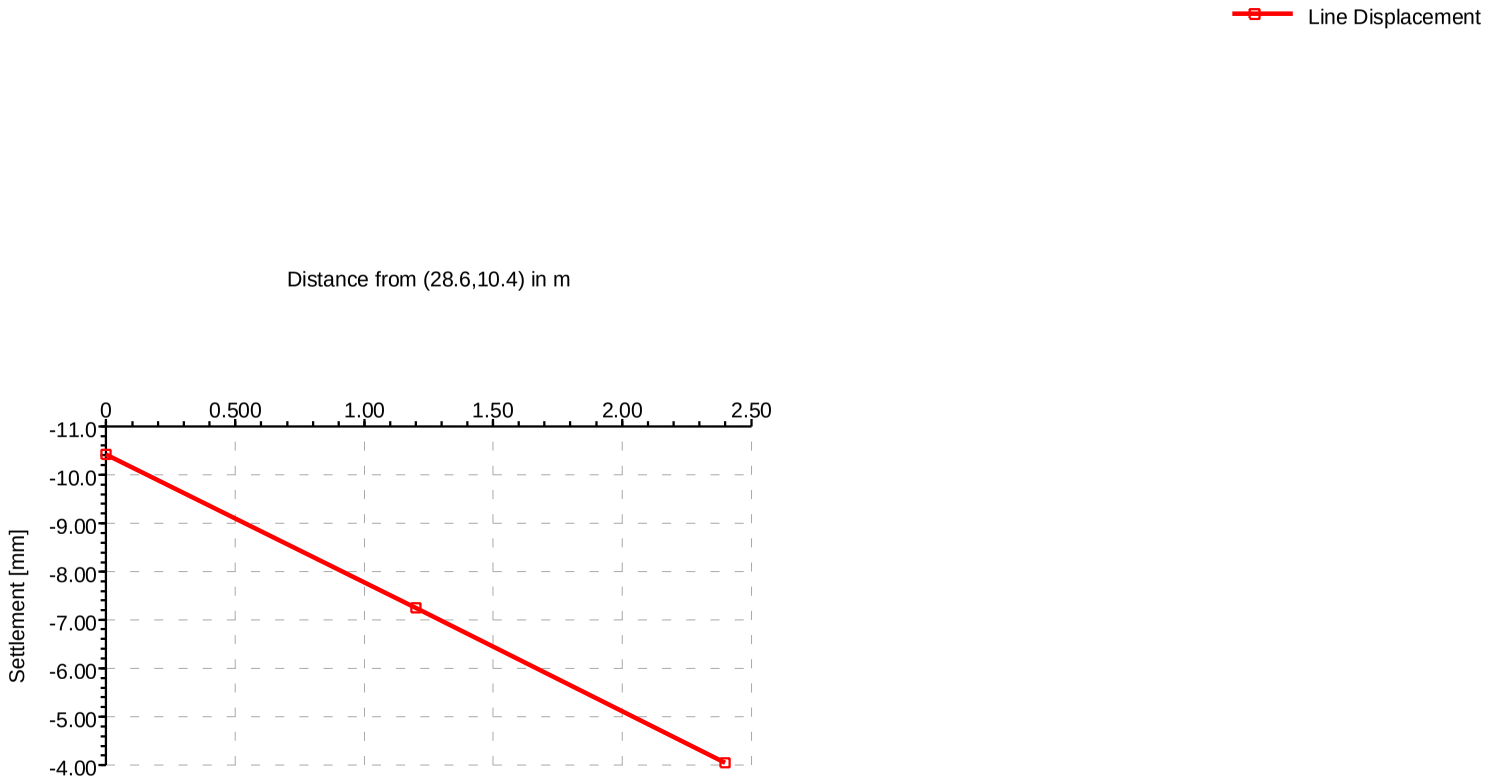
Oasys

26 Christchurch Hill, London NW3 1LG

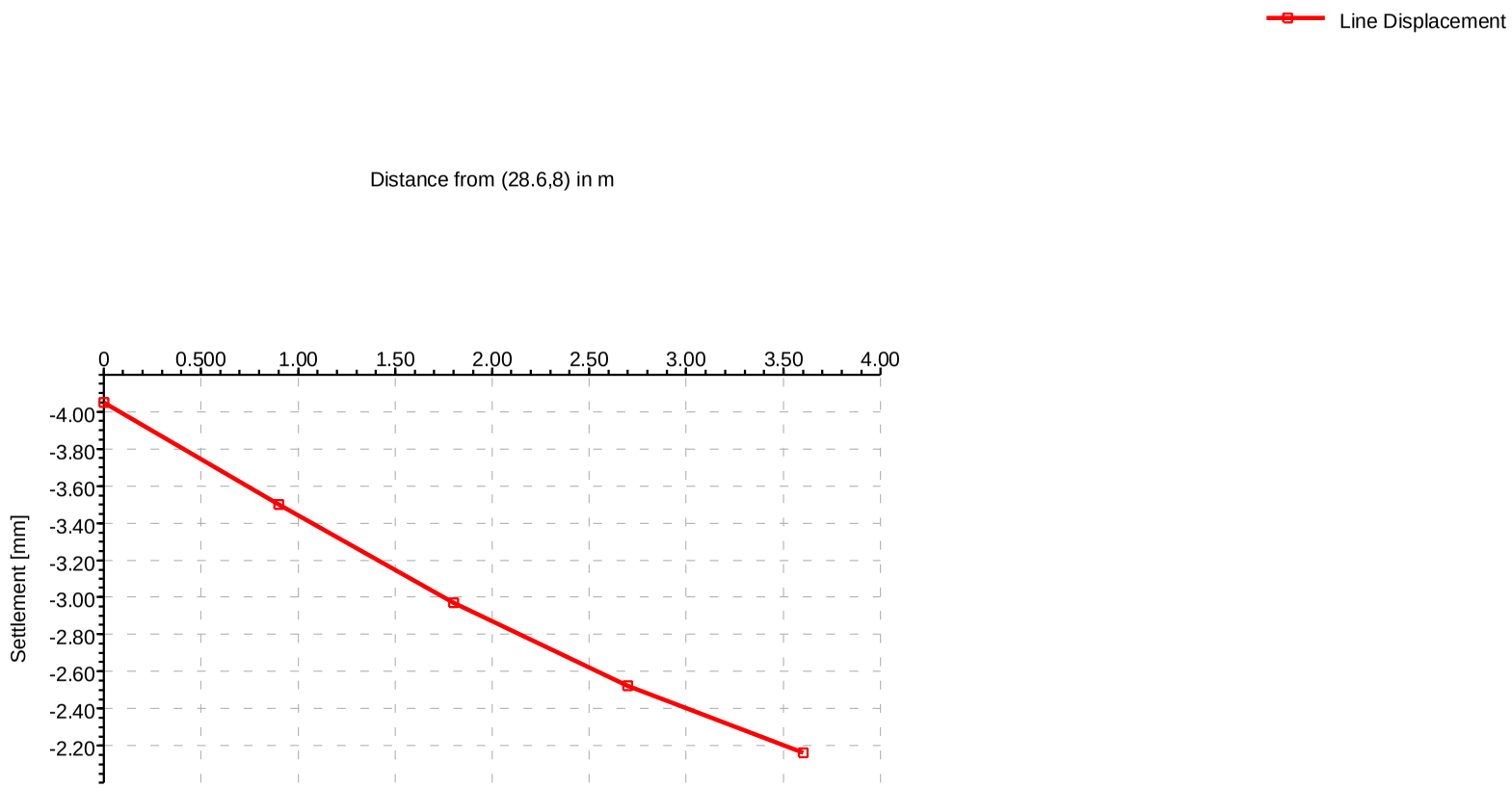
Total drained movements

Job No.	Sheet No.	Rev.
J15258		
Drg. Ref.		
Made by ML	Date	Checked

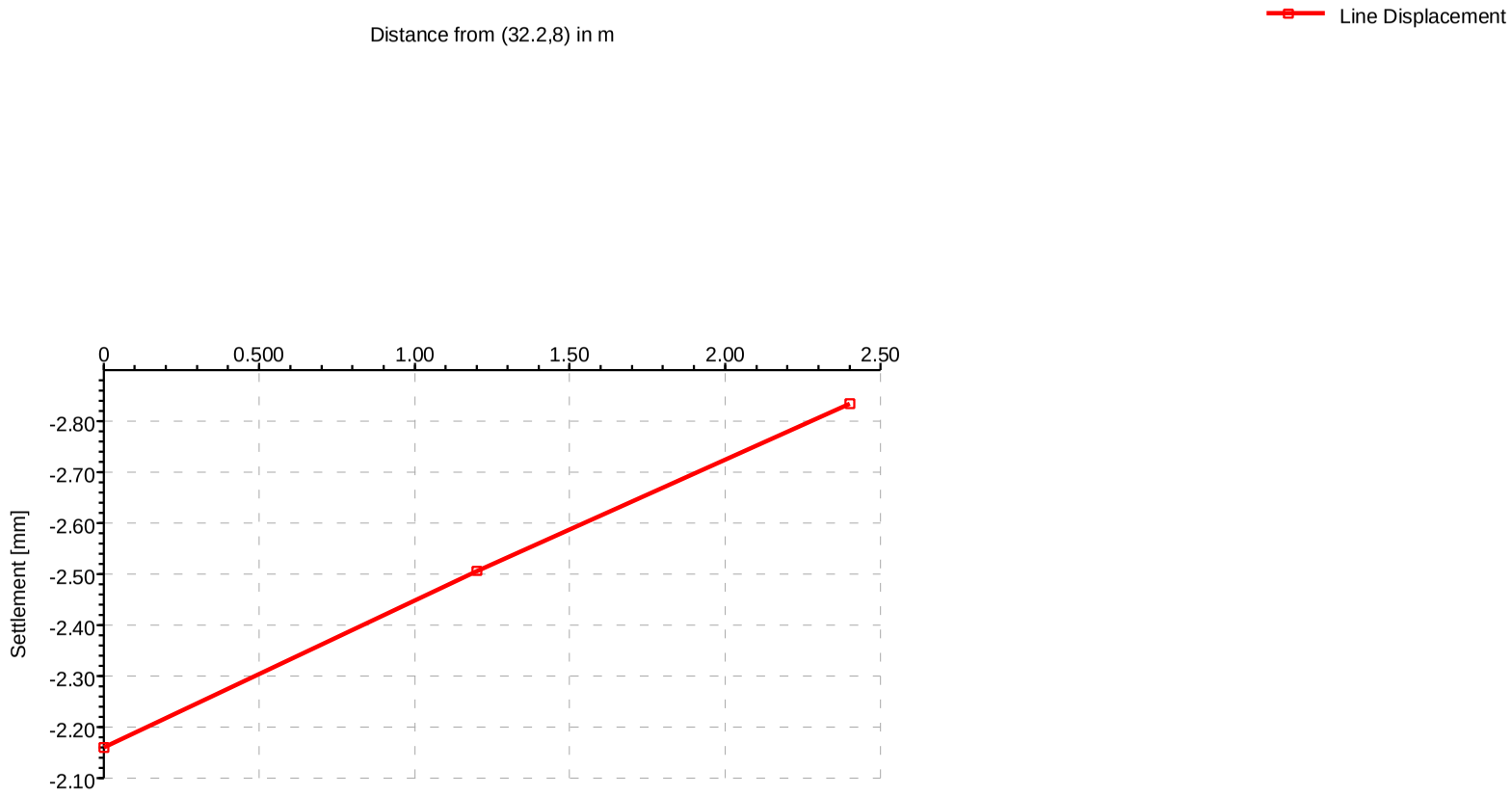
Displacement for Christchurch B



Displacement for Christchurch C



Displacement for Christchurch D



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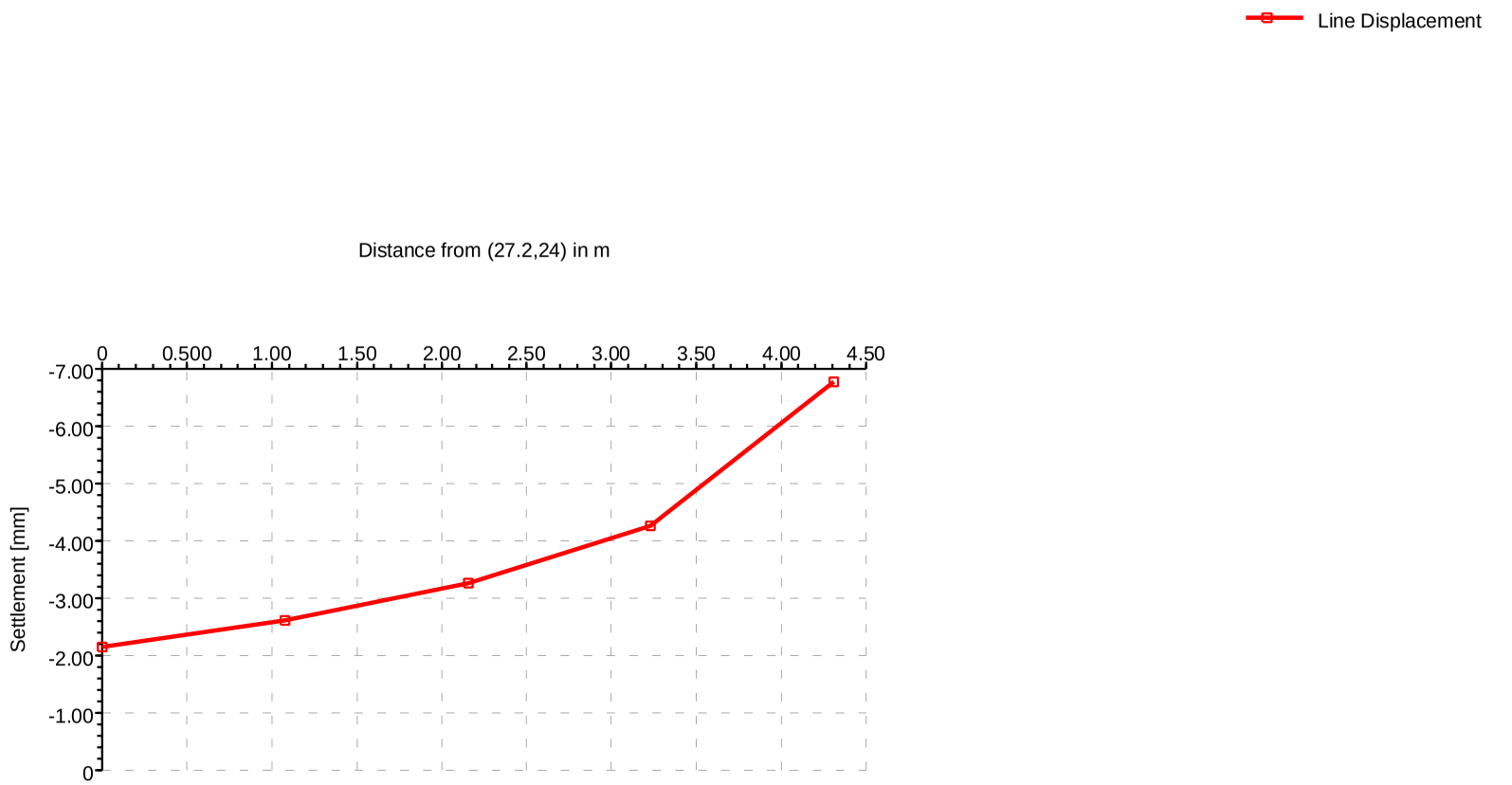
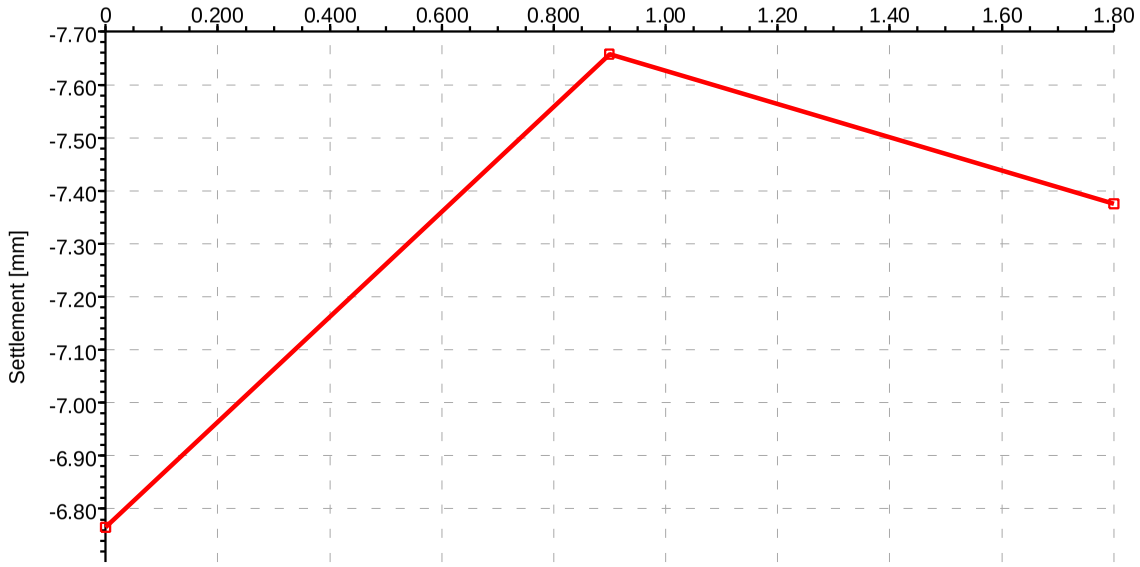
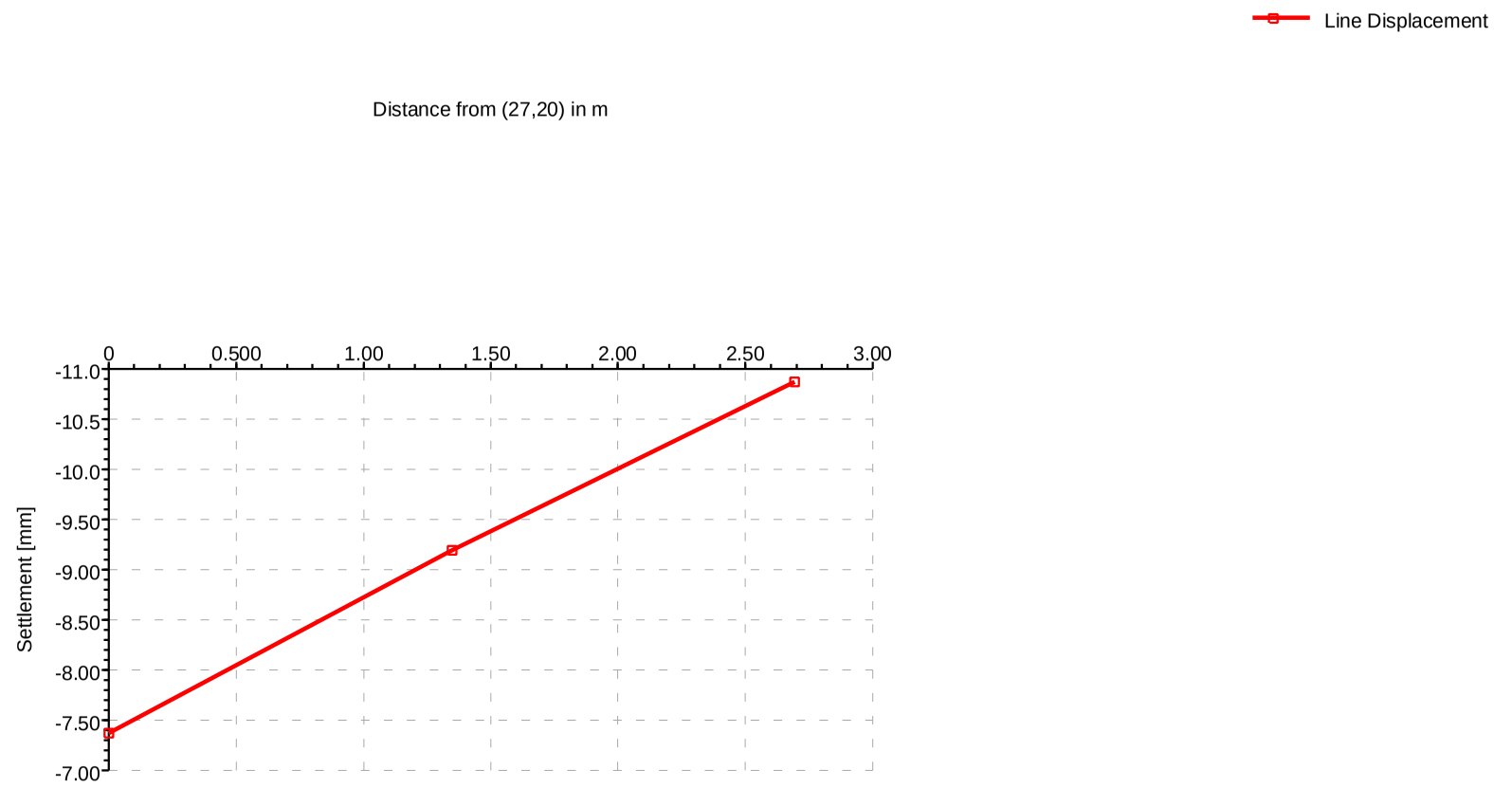


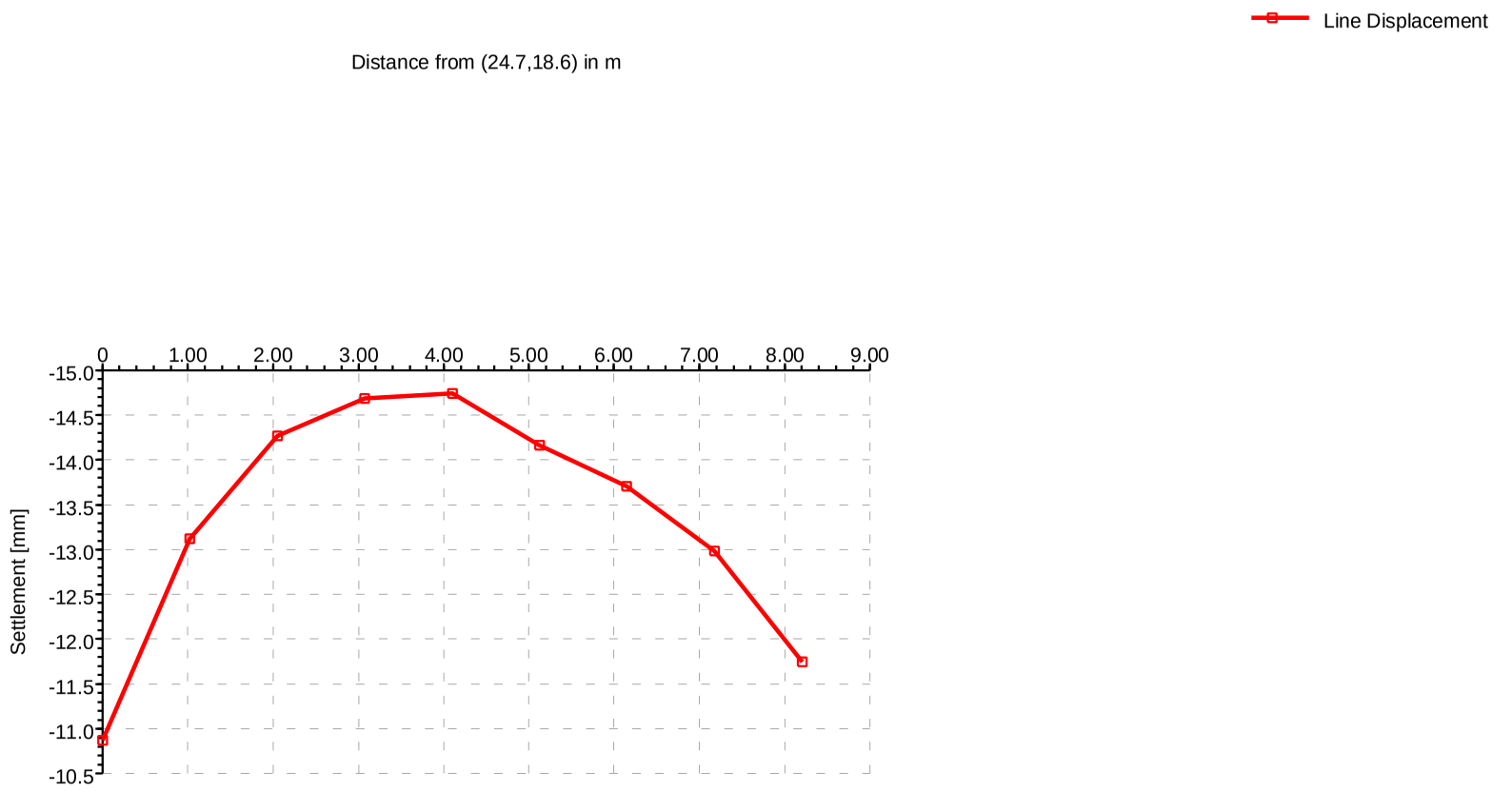
Displacement for Christchurch O



Displacement for Christchurch P



Displacement for Christchurch Q



Geotechnical & Environmental Associates (GEA)
is an engineer-led and client-focused independent specialist providing a complete range of geotechnical and contaminated land investigation, analytical and consultancy services to the property and construction industries.

We have offices at

Widbury Barn
Widbury Hill
Ware
Hertfordshire
SG12 7QE
tel 01727 824666
mail@gea-ltd.co.uk

Church Farm
Gotham Road
Kingston on Soar
Notts
NG11 0DE
tel 01509 674888
midlands@gea-ltd.co.uk

Enquiries can also be made on-line at

www.gea-ltd.co.uk

where information can be found on all of the services that we offer.