GROUND MOVEMENT ASSESSMENT REPORT

Royal Academy of
Dramatic Art
16-18 Chenies Street
London WC1E 7EX

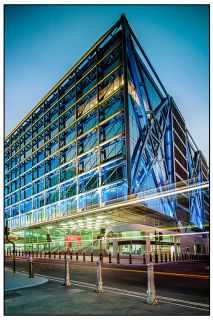
Client: Royal Academy of Dramatic Art

Engineer: Price & Myers

J15215

March 2016



GEA Geotechnical & Environmental Associates

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1.0 INTRODUCTION

Geotechnical and Environmental Associates (GEA) has been commissioned by Price and Myers Consulting Engineers (P&M), on behalf of the Royal Academy of Dramatic Art (RADA), to complete a ground movement assessment for the proposed extension of an existing basement at RADA's site at 16-18 Chenies Street, London, WC1E 7EX.

A Site Investigation and Basement Impact Assessment has previously been carried out by GEA (report ref J15215, dated November 2015) and the findings of this report, along with an additional borehole by others, have been used in the derivation of parameters for use in this assessment.

The purpose of this assessment has been to assess any effects of the proposed basement construction upon nearby sensitive structures.

1.1 Proposed Development

It is proposed to extend the existing single-storey basement that is present beneath the Drill Hall at No 16 Chenies Street as well as extending an existing basement beneath No 18 Chenies Street. The extension below No 16 is already at about 1.9 m depth and will be extended laterally by some 7 m and deepened by approximately 0.9 m. The existing basement at No 18 Chenies Street will be extended by some 4 m to 5 m laterally. The basement extensions will be the same depth as the existing, of 2.8 m below ground level.

This report is specific to the proposed development and the advice herein should be reviewed if the development proposals are amended.

1.2 Limitations

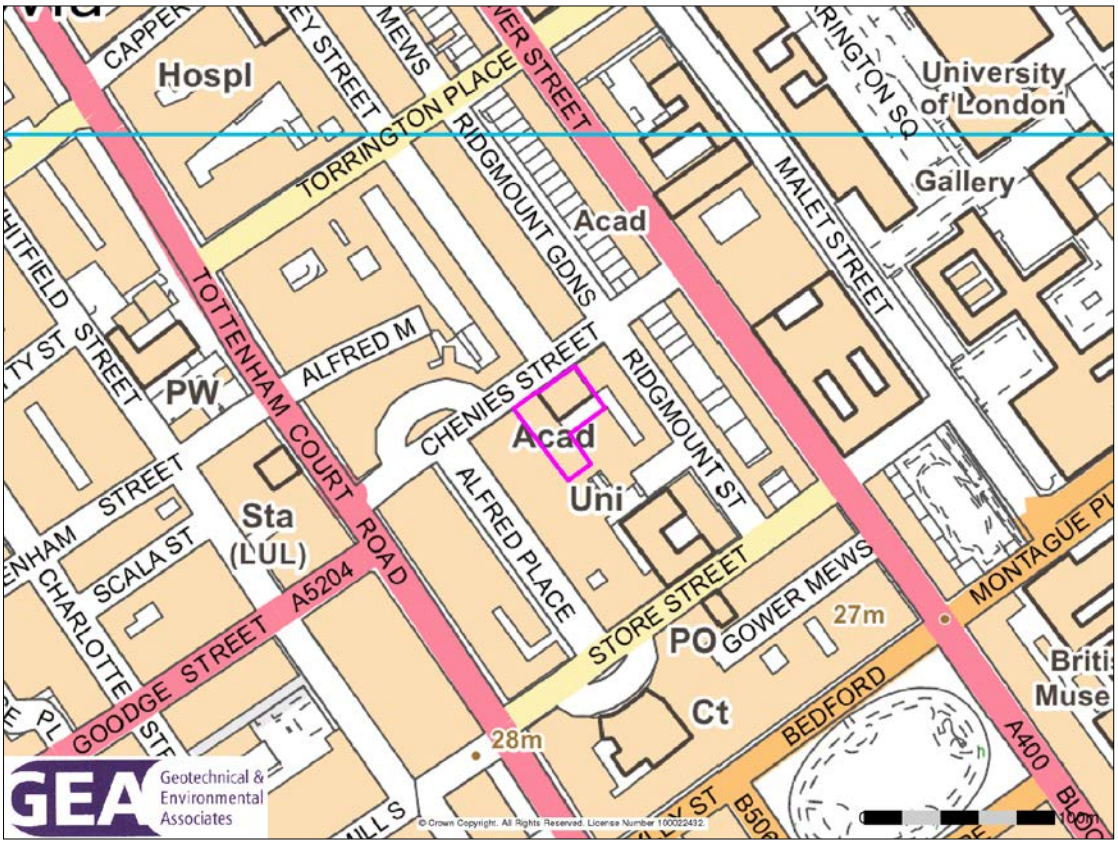
The conclusions and recommendations made in this report are limited to those that can be made on the basis of the investigation. The results of the work should be viewed in the context of the range of data sources consulted, the number of locations where the ground was sampled and the number of soil, 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.

2.0 THE SITE

2.1 Site Description

The site is located in the London Borough of Camden, approximately 150 m northwest of the British Museum. It is bounded to the north by Chenies Street with access to the rear of the building via Ridgmount Street to the east and by five-storey and seven-storey buildings to the east and west respectively. It may be additionally located by National Grid Reference 529670, 181850 and is shown on the map extract overleaf.

The site is accessed at the front of the building, and is roughly L shaped, measuring approximately 45 m by 40 m; it is occupied by the Royal Academy of Dramatic Arts (RADA), a three-storey Victorian brick building with a single level basement. The site is devoid of vegetation and sensibly levelled.



3.0 SUMMARY OF GROUND CONDITIONS

The site investigation confirmed the findings of the previous investigation in that, below a significant thickness of made ground, Lynch Hill Gravel is present over London Clay.

The made ground generally comprised brownish grey clay with fragments of brick, concrete, mortar and ash and extended to depths of 3.30 m and 5.00 m below ground level. The Lynch Hill Gravel initially comprised firm orange-brown silty sandy clay with occasional fine to medium subangular to subrounded flint gravel with fine sand pockets to a depth of 4.10 m. This initial layer was underlain by dense yellowish brown fine to medium sand with occasional fine to medium subangular to subrounded flint gravel becoming more abundant with depth, to 6.30 m. The London Clay initially comprised an upper weathered horizon of firm brown silty clay to a depth of 6.40 m, underlain by stiff grey fissured silty clay with pockets of sand to 9.10 m. Abundant pockets and partings of silt were noted from 15.50 m to 18.00 m, the maximum depth investigated.

A borehole record from the adjacent Alfred Street building indicates that the London Clay extends to a depth of 26.0 m whereupon the soils of the Lambeth Group (listed as the Woolwich and Reading Beds) were encountered and underlain in turn by Thanet Sand at 38.1 m and ultimately chalk at 42.2 m.

Groundwater was not encountered in the boreholes during drilling, but subsequent monitoring of standpipes has measured water at a depth of 5.45 m.

3.1 Surrounding Structures

Following Issue No 1 of the ground movement analysis, Price and Myers have provided a

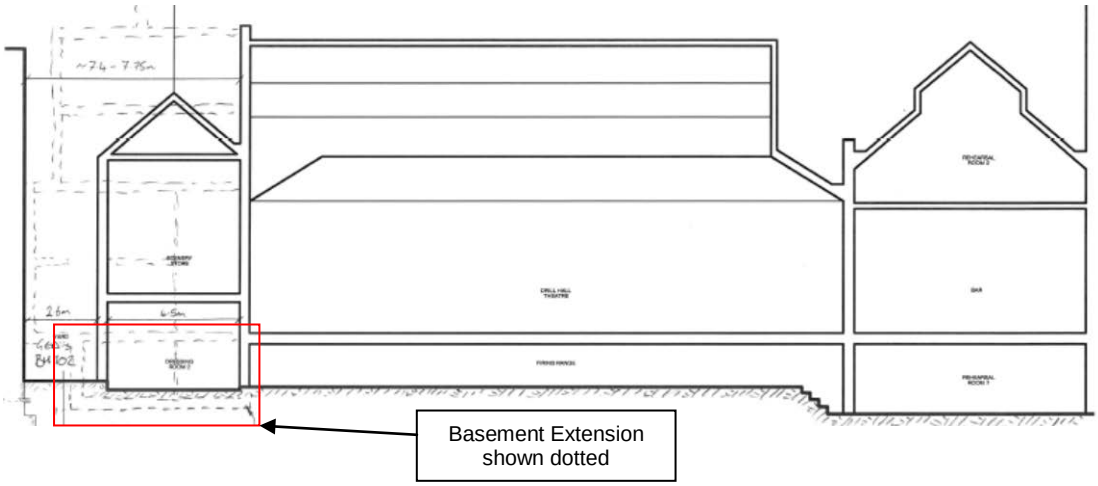
report on the nature and extent of the buildings that adjoin the site. The report, entitled Description of Adjacent Buildings, is appended and rules out the need for ground movement assessment for all surrounding structures other than '*the modest section of infill to the rear of the Law Building'*. The main reasoning behind the Price and Myers conclusion is that a number of the surrounding structures have basements themselves that are in some cases deeper than those proposed for this site with secondary reasoning that the relative bulk of the buildings would require foundations sufficiently massive so as not to be affected by these two relatively small extensions to existing basements.

Notwithstanding the above an assessment of ground movements has been undertaken in detail for No 16 Chenies Street and for No 18 Chenies Street as well as the University of Law building and its infill building that abuts No 16 Chenies Street.

4.0 CONSTRUCTION SEQUENCE

4.1 16 Chenies Street

A section through the proposed building at No 16 Chenies Street including its basement is included below.



For the purposes of the ground movement assessment, the existing external ground level has been taken as 0.0 m and the proposed basement will be formed at a depth between 0.5 m to 0.8 m deeper than at present. The underpinning of the external walls will be through traditional methods and will deepen their foundations by around 0.9 m to bear at a depth 2.8 m from the existing ground level.

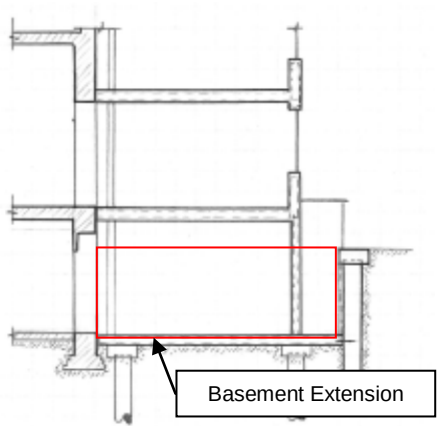
The new structure that is to be formed within the basement extension is to be supported upon piled foundations and will be completely independent of the existing structure. The drawings within the Construction Method Statement (CMS) show that the piles are relatively widely spaced and therefore can be deemed to act singly. On this basis the loading of the piles will not affect the existing building but the limited unloading due to the basement deepening will cause a minor degree of heave. Price and Myers have provided drawings that indicate the unloading effects of the development and also the reloading information for the remaining parts of the building. The reloading occurs where new spread foundations are to be cast or where existing walls are to support additional load. For the purpose of this analysis, the unloading and subsequent loading at basement level will be applied at a depth of 2.80 m below existing ground level.

The construction sequence has been provided within the CMS and the construction has been modelled at three stages. These are short term unloading only, short term unloading and reloading and then unloading and reloading in the long term when reversion to drained soil parameters has been assumed to take place.

4.2 18 Chenies Street

A section through the proposed building at No 18 Chenies Street including its basement is included below.

The section, right, shows the location of a small length of bored pile wall which enables the lateral extension of the existing basement by between 4.0 m and 5.0 m.



The wall is to retain approximately 3.0 m of soil and will initially act as a cantilever with propping force provided in the long term by the basement slab and ground beams.

For such a retained height it is considered that a bored pile wall of 450 mm diameter contiguous piles should be sufficient and that with a ratio of embedded length to exposed length of 2:1 for a cantilevered wall the pile lengths may be expected to be about 9.0 m.

5.0 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) which occur due to the installation of piling and underpinning together and subsequent excavation.

The analysis of potential ground movements within the excavation, as a result of unloading of the underlying soils and subsequent reloading as the building is constructed, has been carried out using the Oasys P-Disp Version 19.3 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 roughly perpendicular to Chenies Street and the y-direction parallel with the same road. Vertical movement is in the z-direction.

The output movement contour plots are included within the appendix along with the full data set of results and line graphs for the walls analysed.

5.1 Movements Surrounding the Excavations

5.1.1 Model Used

For the X-Disp analysis, the soil movement relationships used for the embedded retaining walls are based on the default values within CIRIA report C580[1]. The C580 movements were derived from a number of historic case studies of the short term movements that result from wall installation and basement excavation.

Given the limited extent of the mass concrete underpinning it would seem reasonable to adopt the ground movement curves for 'no horizontal and vertical movement' for this analysis. In practice, however, there will always be a potential for a small degree of movement to take place, typically less than 2 mm for the 0.9 m depth of underpinning. A more cautious approach has, however, been taken in this instance using the installation of a planar diaphragm wall to model the panel-like installation of the underpinning.

On the basis of the notes in Section 4.2 above, a pile length of 9.0 m has been assumed along with a maximum basement excavation depth of 3.0 m. Groundwater has not been encountered within the proposed basement depth and therefore a contiguous bored pile wall is deemed appropriate; a lining wall will provide long term water-tightness. The piled wall, which will act as a cantilever, falls into the low stiffness category in C580.

5.1.2 Results

The X-Disp analysis has been used to estimate the movements behind the walls resulting from pile installation and basement excavation. This includes the settlement of the ground (vertical movement) and the lateral movement of soil behind the wall (horizontal movement). The contour graphs of these movement predictions are appended for the piling phase together with the total movement prediction which combined the effects.

The following values of vertical and horizontal movement are those occurring immediately behind the piled wall and reduce to zero at the distance noted as the maximum lateral influence.

Phase of Works (CIRIA C580 Movement Curve)	Maximum Movements at Existing Ground Level of 0.0 m	
	Vertical Settlement (mm) [Maximum lateral influence (m)]	Horizontal Movement (mm) [Maximum lateral influence (m)]
Piling Phase (C580 Contiguous Bored Pile Wall)	<4 [18.0]	<4 [13.5]
Combined Piling and Basement Excavation Phases (Excavation in front of a low stiffness wall)	10 [12.0]	10 to 16 [12.0]

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

5.2 Movements within the Excavations

5.2.1 Model Used

At this site the loading configurations supplied by P&M indicates that the various walls and slab areas will be subject to unloading and different walls and areas will be reloaded. The annotated drawings are contained within the CMS but essentially the loading and unloading are relatively small. For complete clarity the 55 kN/m^2 noted within Section 7 of the GEA BIA only relates to the small area of basement extension to No 18 Chenies and the load changes to No 16 are small. Where there is a net unloading of the London Clay, there will be a reduction in vertical stress in the short term that 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 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 well-established methods have been used to provide our estimates. These relate values of E_u and E', the drained and undrained stiffness respectively, to values of undrained cohesion, as described by Padfield and Sharrock[2] and Butler[3] and more recently by O'Brien and Sharp[4]. Relationships of $E_u = 500\ C_u$ and $E' = 300\ C_u$ for the cohesive soils have been used to obtain values of Young's modulus. More recent published data[5] indicates stiffness values of 750 x Cu for the London Clay and a ratio of E' to Eu of 0.75 but it is considered that the use of the more conservative values provides a sensible approach for this site at this stage in the design.

The soil parameters used in this assessment are tabulated below.

Stratum	Depth range (m)	Eu (MPa)	E' (MPa)
Made Ground	G/L to 3.3	25	15
Firm Clay	3.3 – 4.1	37.5	22.5
Lynch Hill Gravel	4.1 – 6.3	54	54
London Clay	6.3 – 20	55 – 108	33 – 64.8
London Clay	20 – 26	55	108

It is noted that the made ground extended to a depth of 5.0 m in Borehole No 1 beyond the end of the building. This thickness of made ground is considered to derive from the Dallas House building that stood on that part of the site, but was demolished following World War II, such that it is not considered to be representative of the typical conditions beneath the site. The ground conditions in the table above are based on GEA Borehole No 101 which is essentially consistent with the findings of LBH Borehole No 1 and therefore considered to be a better representation of the ground conditions on the wider site.

[2] Padfield CJ and Sharrock MJ (1983) *Settlement of structures on clay soils.* CIRIA Special Publication 27
[3] Butler FG (1974) *Heavily overconsolidated clays: a state of the art review.* Proc Conf Settlement of Structures, Cambridge, 531-578, Pentech Press, Lond
[4] 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
[5] 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

A rigid boundary for the analysis has been set within the London Clay at a depth of 26.0 m below existing ground level, where the nearby BGS records indicate that the base of this formation is likely to be present at its interface with the soils of the Lambeth Group. Below this depth the soils are considered essentially incompressible.

5.2.2 Results

The P-Disp analysis indicates that, by the time the basement construction is complete, less than 5 mm of heave is likely to have taken place at the centre of the proposed extension, whilst settlement much less than 5 mm is predicted beneath the external walls.

Following completion of the basement construction and application of new loads, the heave is predicted to increase by a further 5 mm or so but there will be only nominal additional settlement to remain well below 5 mm beneath the external walls.

The results of the P-Disp analysis can be used to indicate the likely impact of the proposed basement construction beyond the site boundaries. At a distance of about 2.5 m away from the basement extension excavation, the total movements reduce to roughly 1.0 mm of heave and at a similar distance from the external walls; the settlement is roughly 1.0 mm indicating sensibly negligible movements. Movements outside the excavation will be constrained to a certain extent by the presence of the new retaining walls and off-set to a large extend by the movements during pile and underpin installation. The estimated movements obtained from the analysis may therefore not occur in practice.

Basement Location	Movement (mm) Heave –ve / Settlement +ve		
	Short-term Heave (Unloading / excavation phase)	Short-term Heave / Settlement (Post-construction)	Total Heave / Settlement
16 Chenies Street	<-2	-2 to +1	-3 to +2
18 Chenies Street	<-5	<-5	-5 to -10

A void or layer of compressible material may need to be incorporated into the design to accommodate these potential long term movements. This analysis suggests that if such a compressible material is to be used beneath the slab, it will need to be designed to be able to resist the limited potential uplift forces generated by the ground movements and relating to less than 10 mm of total uplift movement.

6.0 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].

All structures are shown on the appended site plan.

6.1 Damage to Neighbouring Structures

The movements resulting from the construction of the basement extension have been considered with the infill wall to the Law Building taken as being sensitive to the ground movements as well as the four main walls of No 16 Chenies Street, the retained wall at No 18 Chenies Street and the nearest two walls of the University of law building.

A building damage assessment is included within the X-Disp analysis and indicates that all walls other than one segment in each of the Eastern wall of 16 Chenies Street and the Infill Building will suffer movement equivalent to Damage Category 0 – 'Negligible'. The other two segments are indicated to be Category 1 – 'Very Slight'.

Reference to the appended movement contour plots indicates that heave movements of up to 1.5 mm in the short term unloading case rising to 3.0 mm in the long term with maximum settlement after reloading of 1.0 mm and 2.0 mm in the short term and long term respectively.

Analysis of the line plot for the wall to the Law Building infill taken from the P-Disp analysis shows that the total movement will generate 'negligible' damage with the deflection ratios shown as much less than 1 in 400 through either the 'hogging' heave movements or 'sagging' settlements.

The long walls of 16 Chenies Street show movements that align with very small deflection ratios but are subject to 'spikes' where the existing foundations are to be locally deepened. The spikes are deemed to be a function of the program and will not perfectly represent the manner in which the structure will behave in reality because the analysis takes no account of load distribution within the wall between bases due to the wall stiffness, which would tend to smooth out these spikes. The real movement is therefore considered to be represented by the general trend of the movement profile in these locations.

6.2 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 and following confirmation of the foundation arrangements. The structures to be monitored during the construction stages should include the neighbouring structures. Condition surveys of the above existing structures should be carried out before and after the proposed works.

However, it should be remembered that the context is that this is a small extension to an existing basement and that the movements predicted are relatively small.

An indicative monitoring strategy has been complied by Price and Myers although the precise strategy will be developed at a later stage and it will be subject to discussions and agreements with the owners of the adjacent structures under the obligations of the Party Wall Act. 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.

7.0 CONCLUSIONS

The analysis has concluded that the predicted damage to the neighbouring properties from the construction of the basement extension would generally be 'Negligible' with two small segments of walls that would be 'very slight' for which the damage that would occur would fall within the acceptable limits. It is 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, 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 underpin 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.

APPENDICES

X-DISP ANALYSIS

Pile and Underpinning Installation Movement Contour Plots and Tabular Data

Excavation Movement Contour Plots and Tabular Data

P-DISP ANALYSIS

Short Term Movement Contour Plots – Unloading

Short Term Movement Contour Plots – Reloading

Total Movement Contour Plots

Cross Section Line Plots

Basement Plan and Loading Information

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Grid	Grid 1	Global X	-10.00000	-20.00000	-2.80000	-	30.00000	-2.80000	25	70.00000	35	Yes	Surface
Line	Law Bdg Infill	-	2.00000	6.00000	-1.50000	18.00000	6.00000	-1.50000	15	-	-	Yes	Surface
Line	16 Chenies Wst	-	2.00000	22.00000	-2.80000	53.00000	22.00000	-2.80000	45	-	-	Yes	Surface
Line	16 Chenies Sth	-	2.00000	21.90000	-2.80000	2.00000	6.10000	-2.80000	15	-	-	Yes	Surface
Line	16 Chenies Est	-	2.00000	6.00000	-2.80000	53.00000	6.00000	-2.80000	45	-	-	Yes	Surface
Line	16 Chenies Nth	-	53.00000	21.90000	-2.80000	53.00000	6.10000	-2.80000	15	-	-	Yes	Surface
Line	18 Chenies Retained Wall	-	39.00000	-13.60000	-3.50000	39.00000	6.00000	-3.50000	20	-	-	Yes	Surface
Line	Law Bdg Nth	-	21.60000	4.00000	-2.80000	21.60000	-17.00000	-2.80000	20	-	-	Yes	Surface
Line	Law Bbg Est	-	21.60000	-17.10000	-2.80000	0.00000	-17.10000	-2.80000	20	-	-	Yes	Surface

Vertical Ground Movement Curves

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034]
[0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027]
[0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020]
[0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015]
[0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010]
[1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006]
[1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003]
[1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-4.2486E-3x^3 + 1.9096E-2x^2 - 4.6221E-2x + 4.0729E-2$
Coeff. of Determination: 1.0000

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Polygonal Excavations

Excavation Name: **16 Chenies Underpinning**
Surface level [m]: -1.9000
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: -2.8000

Corner	x	y	Base Level	Stiffened Previous Side d	p1	p2*	Next Side d	p1	p2*

	[m]	[m]	[m]		[m]	[%]	[%]	[m]	[%]	[%]
1	3.5000	6.0000	-2.8000	No	-	-	-	-	-	-
2	3.5000	22.000	-2.8000	No	-	-	-	-	-	-
3	9.8000	22.000	-2.8000	No	-	-	-	-	-	-
4	9.8000	6.0000	-2.8000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	3.5000	6.0000	3.5000	22.000	No vertical ground movement	No horizontal ground movement
2	3.5000	22.000	9.8000	22.000	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))
3	9.8000	22.000	9.8000	6.0000	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))
4	9.8000	6.0000	3.5000	6.0000	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))

Excavation Name: 18 Chenies Piling
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: -9.0000

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	28.000	5.7000	-9.0000	No	-	-	-	-	-	-
2	35.500	5.7000	-9.0000	No	-	-	-	-	-	-
3	35.500	-11.000	-3.0000	No	-	-	-	-	-	-
4	30.000	-11.000	-9.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	28.000	5.7000	35.500	5.7000	No vertical ground movement	No horizontal ground movement
2	35.500	5.7000	35.500	-11.000	No vertical ground movement	No horizontal ground movement
3	35.500	-11.000	30.000	-11.000	No vertical ground movement	No horizontal ground movement
4	30.000	-11.000	28.000	5.7000	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
Law Building	Infill	Law Bdg Infill	0.00000	15.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	West	16 Chenies Wst	0.00000	50.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	South	16 Chenies Sth	0.00000	15.70000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	East	16 Chenies Est	0.00000	50.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	North	16 Chenies Nth	0.00000	15.70000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
18 Chenies	Retained Wall	18 Chenies Retained Wall	0.00000	19.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Law Building	North	Law Bdg Nth	0.00000	20.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Law Building	East	Law Bbg Est	0.00000	21.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
Law Building	Infill	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
16 Chenies	West	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	South	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	East	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	North	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
18 Chenies	Retained Wall	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000
Law Building	North	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000
Law Building	East	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

2 If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 2/Line 1/Vertical. This is an example only. There are 11 others.

3 If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Line 1/Vertical. This is an example only. There are 1 others.

Displacement and Strain Results

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement along the Line	Horizontal displacement perpendicular to Line	Angle of Line to x Axis

	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
Grid 1	Grid 1	-10.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	-20.00000	-2.80000	0.0	0.0	0.18682	-	-	-
		18.00000	-20.00000	-2.80000	0.0	0.0	0.38328	-	-	-
		20.00000	-20.00000	-2.80000	0.0044231	0.0039808	0.52491	-	-	-
		22.00000	-20.00000	-2.80000	0.086655	0.097487	0.59653	-	-	-
		24.00000	-20.00000	-2.80000	0.10890	0.16336	0.58195	-	-	-
		26.00000	-20.00000	-2.80000	0.078441	0.17649	0.46969	-	-	-
		28.00000	-20.00000	-2.80000	0.026034	0.11715	0.26454	-	-	-
		30.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	-18.00000	-2.80000	0.0	0.0	0.085506	-	-	-
		16.00000	-18.00000	-2.80000	0.0	0.0	0.35809	-	-	-
		18.00000	-18.00000	-2.80000	0.0	0.0	0.59011	-	-	-
		20.00000	-18.00000	-2.80000	0.12518	0.087626	0.76634	-	-	-
		22.00000	-18.00000	-2.80000	0.22958	0.20088	0.86509	-	-	-
		24.00000	-18.00000	-2.80000	0.25310	0.29528	0.85727	-	-	-
		26.00000	-18.00000	-2.80000	0.18514	0.32399	0.71082	-	-	-
		28.00000	-18.00000	-2.80000	0.064404	0.22541	0.41104	-	-	-
		30.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	-16.00000	-2.80000	0.0	0.0	0.21608	-	-	-
		16.00000	-16.00000	-2.80000	0.0	0.0	0.53014	-	-	-
		18.00000	-16.00000	-2.80000	0.067498	0.028124	0.81014	-	-	-
		20.00000	-16.00000	-2.80000	0.28453	0.14226	1.0403	-	-	-
		22.00000	-16.00000	-2.80000	0.44530	0.27831	1.1946	-	-	-
		24.00000	-16.00000	-2.80000	0.50999	0.42499	1.2299	-	-	-
		26.00000	-16.00000	-2.80000	0.41762	0.52203	1.0781	-	-	-
		28.00000	-16.00000	-2.80000	0.16646	0.41616	0.66134	-	-	-
		30.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	-14.00000	-2.80000	0.0	0.0	0.32855	-	-	-
		16.00000	-14.00000	-2.80000	0.0	0.0	0.68981	-	-	-
		18.00000	-14.00000	-2.80000	0.17899	0.044747	1.0286	-	-	-
		20.00000	-14.00000	-2.80000	0.46918	0.14075	1.3325	-	-	-
		22.00000	-14.00000	-2.80000	0.73348	0.27506	1.5791	-	-	-
		24.00000	-14.00000	-2.80000	0.92876	0.46438	1.7225	-	-	-
		26.00000	-14.00000	-2.80000	0.92981	0.69735	1.6609	-	-	-
		28.00000	-14.00000	-2.80000	0.50563	0.75844	1.1662	-	-	-
		30.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		54.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-12.00000	-2.80000	0.0	0.0	0.0017600	-	-	-
		14.00000	-12.00000	-2.80000	0.0	0.0	0.39892	-	-	-
		16.00000	-12.00000	-2.80000	0.0	0.0	0.79608	-	-	-
		18.00000	-12.00000	-2.80000	0.26011	0.031151	1.1932	-	-	-
		20.00000	-12.00000	-2.80000	0.62690	0.075078	1.5904	-	-	-
		22.00000	-12.00000	-2.80000	1.0317	0.12896	1.9805	-	-	-
		24.00000	-12.00000	-2.80000	1.4529	0.24215	2.3080	-	-	-
		26.00000	-12.00000	-2.80000	1.8464	0.46160	2.5349	-	-	-
		28.00000	-12.00000	-2.80000	1.8639	0.93196	2.4047	-	-	-
		30.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-10.00000	-2.80000	0.0	0.0	0.049324	-	-	-
		14.00000	-10.00000	-2.80000	0.0	0.0	0.44649	-	-	-
		16.00000	-10.00000	-2.80000	0.0	0.0	0.84365	-	-	-
		18.00000	-10.00000	-2.80000	0.30261	0.036241	1.2408	-	-	-
		20.00000	-10.00000	-2.80000	0.67318	0.080621	1.6380	-	-	-
		22.00000	-10.00000	-2.80000	1.0890	0.13042	2.0351	-	-	-
		24.00000	-10.00000	-2.80000	1.5746	0.18857	2.4323	-	-	-
		26.00000	-10.00000	-2.80000	2.1544	0.25801	2.8295	-	-	-
		28.00000	-10.00000	-2.80000	2.8528	0.34166	3.2266	-	-	-
		30.00000	-10.00000	-2.80000	Point lies within an excavation.					
		32.00000	-10.00000	-2.80000	Point lies within an excavation.					
		34.00000	-10.00000	-2.80000	Point lies within an excavation.					
		36.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-8.00000	-2.80000	0.0	0.0	0.096889	-	-	-
		14.00000	-8.00000	-2.80000	0.0	0.0	0.49405	-	-	-
		16.00000	-8.00000	-2.80000	0.0	0.0	0.89121	-	-	-
		18.00000	-8.00000	-2.80000	0.34542	0.041367	1.2884	-	-	-
		20.00000	-8.00000	-2.80000	0.72012	0.086242	1.6855	-	-	-
		22.00000	-8.00000	-2.80000	1.1430	0.13689	2.0827	-	-	-
		24.00000	-8.00000	-2.80000	1.6386	0.19624	2.4799	-	-	-
		26.00000	-8.00000	-2.80000	2.2313	0.26722	2.8770	-	-	-
		28.00000	-8.00000	-2.80000	2.9456	0.35277	3.2742	-	-	-
		30.00000	-8.00000	-2.80000	Point lies within an excavation.					
		32.00000	-8.00000	-2.80000	Point lies within an excavation.					
		34.00000	-8.00000	-2.80000	Point lies within an excavation.					
		36.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-6.00000	-2.80000	0.0	0.0	0.14445	-	-	-
		14.00000	-6.00000	-2.80000	0.0	0.0	0.54161	-	-	-
		16.00000	-6.00000	-2.80000	0.036033	0.0043153	0.93878	-	-	-
		18.00000	-6.00000	-2.80000	0.38856	0.046534	1.3359	-	-	-
		20.00000	-6.00000	-2.80000	0.76774	0.091945	1.7331	-	-	-
		22.00000	-6.00000	-2.80000	1.1981	0.14348	2.1303	-	-	-
		24.00000	-6.00000	-2.80000	1.7040	0.20407	2.5274	-	-	-
		26.00000	-6.00000	-2.80000	2.3099	0.27664	2.9246	-	-	-
		28.00000	-6.00000	-2.80000	3.0405	0.36413	3.3217	-	-	-
		30.00000	-6.00000	-2.80000	Point lies within an excavation.					
		32.00000	-6.00000	-2.80000	Point lies within an excavation.					
		34.00000	-6.00000	-2.80000	Point lies within an excavation.					
		36.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		48.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-4.00000	-2.80000	0.0	0.0	0.19202	-	-	-
		14.00000	-4.00000	-2.80000	0.0	0.0	0.58918	-	-	-
		16.00000	-4.00000	-2.80000	0.077654	0.0092999	0.98634	-	-	-
		18.00000	-4.00000	-2.80000	0.43208	0.051747	1.3835	-	-	-
		20.00000	-4.00000	-2.80000	0.81610	0.097737	1.7807	-	-	-
		22.00000	-4.00000	-2.80000	1.2542	0.15020	2.1778	-	-	-
		24.00000	-4.00000	-2.80000	1.7708	0.21207	2.5750	-	-	-
		26.00000	-4.00000	-2.80000	2.3904	0.28627	2.9722	-	-	-
		28.00000	-4.00000	-2.80000	3.1375	0.37574	3.3693	-	-	-
		30.00000	-4.00000	-2.80000		Point lies within an excavation.				
		32.00000	-4.00000	-2.80000		Point lies within an excavation.				
		34.00000	-4.00000	-2.80000		Point lies within an excavation.				
		36.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	-2.00000	-2.80000	0.0	0.0	0.23958	-	-	-
		14.00000	-2.00000	-2.80000	0.0	0.0	0.63674	-	-	-
		16.00000	-2.00000	-2.80000	0.11935	0.014293	1.0339	-	-	-
		18.00000	-2.00000	-2.80000	0.47603	0.057010	1.4311	-	-	-
		20.00000	-2.00000	-2.80000	0.86523	0.10362	1.8282	-	-	-
		22.00000	-2.00000	-2.80000	1.3114	0.15706	2.2254	-	-	-
		24.00000	-2.00000	-2.80000	1.8391	0.22025	2.6226	-	-	-
		26.00000	-2.00000	-2.80000	2.4727	0.29613	3.0197	-	-	-
		28.00000	-2.00000	-2.80000	3.2366	0.38762	3.4169	-	-	-
		30.00000	-2.00000	-2.80000		Point lies within an excavation.				
		32.00000	-2.00000	-2.80000		Point lies within an excavation.				
		34.00000	-2.00000	-2.80000		Point lies within an excavation.				
		36.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	0.00000	-2.80000	0.0	0.0	0.28715	-	-	-
		14.00000	0.00000	-2.80000	0.0	0.0	0.68431	-	-	-
		16.00000	0.00000	-2.80000	0.16116	0.019301	1.0815	-	-	-
		18.00000	0.00000	-2.80000	0.52045	0.062329	1.4786	-	-	-
		20.00000	0.00000	-2.80000	0.91519	0.10960	1.8758	-	-	-
		22.00000	0.00000	-2.80000	1.3698	0.16405	2.2730	-	-	-
		24.00000	0.00000	-2.80000	1.9089	0.22861	2.6701	-	-	-
		26.00000	0.00000	-2.80000	2.5568	0.30620	3.0673	-	-	-
		28.00000	0.00000	-2.80000	3.3380	0.39977	3.4644	-	-	-
		30.00000	0.00000	-2.80000		Point lies within an excavation.				
		32.00000	0.00000	-2.80000		Point lies within an excavation.				
		34.00000	0.00000	-2.80000		Point lies within an excavation.				
		36.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	2.00000	-2.80000	0.0	0.0	0.33471	-	-	-
		14.00000	2.00000	-2.80000	0.0	0.0	0.73187	-	-	-
		16.00000	2.00000	-2.80000	0.20313	0.024327	1.1290	-	-	-
		18.00000	2.00000	-2.80000	0.56537	0.067709	1.5262	-	-	-
		20.00000	2.00000	-2.80000	0.96600	0.11569	1.9234	-	-	-
		22.00000	2.00000	-2.80000	1.4295	0.17119	2.3205	-	-	-
		24.00000	2.00000	-2.80000	1.9803	0.23716	2.7177	-	-	-
		26.00000	2.00000	-2.80000	2.6429	0.31651	3.1148	-	-	-
		28.00000	2.00000	-2.80000	3.4417	0.41218	3.5120	-	-	-
		30.00000	2.00000	-2.80000		Point lies within an excavation.				
		32.00000	2.00000	-2.80000		Point lies within an excavation.				
		34.00000	2.00000	-2.80000		Point lies within an excavation.				
		36.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		42.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	4.00000	-2.80000	0.0	0.0	0.37897	-	-	-
		14.00000	4.00000	-2.80000	0.0	0.0	0.77944	-	-	-
		16.00000	4.00000	-2.80000	0.24530	0.029377	1.1766	-	-	-
		18.00000	4.00000	-2.80000	0.61085	0.073155	1.5738	-	-	-
		20.00000	4.00000	-2.80000	1.0177	0.12188	1.9709	-	-	-
		22.00000	4.00000	-2.80000	1.4904	0.17849	2.3681	-	-	-
		24.00000	4.00000	-2.80000	2.0532	0.24590	2.7652	-	-	-
		26.00000	4.00000	-2.80000	2.7309	0.32705	3.1624	-	-	-
		28.00000	4.00000	-2.80000	3.5477	0.42487	3.5596	-	-	-
		30.00000	4.00000	-2.80000	Point lies within an excavation.					
		32.00000	4.00000	-2.80000	Point lies within an excavation.					
		34.00000	4.00000	-2.80000	Point lies within an excavation.					
		36.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	6.00000	-2.80000	0.0	0.0	0.36683	-	-	-
		14.00000	6.00000	-2.80000	0.0	0.0	0.73285	-	-	-
		16.00000	6.00000	-2.80000	0.24447	-0.0061118	1.0969	-	-	-
		18.00000	6.00000	-2.80000	0.58311	-0.017493	1.4579	-	-	-
		20.00000	6.00000	-2.80000	0.95745	-0.035904	1.8136	-	-	-
		22.00000	6.00000	-2.80000	1.3849	-0.069247	2.1584	-	-	-
		24.00000	6.00000	-2.80000	1.8705	-0.14029	2.4765	-	-	-
		26.00000	6.00000	-2.80000	2.3408	-0.35112	2.6886	-	-	-
		28.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	8.00000	-2.80000	0.0	0.0	0.31020	-	-	-
		14.00000	8.00000	-2.80000	0.0	0.0	0.63523	-	-	-
		16.00000	8.00000	-2.80000	0.18377	-0.035223	0.94519	-	-	-
		18.00000	8.00000	-2.80000	0.45762	-0.10525	1.2316	-	-	-
		20.00000	8.00000	-2.80000	0.72363	-0.20804	1.4781	-	-	-
		22.00000	8.00000	-2.80000	0.95350	-0.36551	1.6502	-	-	-
		24.00000	8.00000	-2.80000	1.0402	-0.59810	1.6617	-	-	-
		26.00000	8.00000	-2.80000	0.67783	-0.77950	1.2665	-	-	-
		28.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	10.00000	-2.80000	0.0	0.0	0.22175	-	-	-
		14.00000	10.00000	-2.80000	0.0	0.0	0.50529	-	-	-
		16.00000	10.00000	-2.80000	0.092208	-0.033041	0.76258	-	-	-
		18.00000	10.00000	-2.80000	0.29873	-0.12845	0.98065	-	-	-
		20.00000	10.00000	-2.80000	0.46329	-0.24902	1.1372	-	-	-
		22.00000	10.00000	-2.80000	0.54718	-0.39214	1.1925	-	-	-
		24.00000	10.00000	-2.80000	0.47611	-0.51182	1.0753	-	-	-
		26.00000	10.00000	-2.80000	0.20586	-0.44260	0.68305	-	-	-
		28.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		36.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	12.00000	-2.80000	0.0	0.0	0.11382	-	-	-
		14.00000	12.00000	-2.80000	0.0	0.0	0.35971	-	-	-
		16.00000	12.00000	-2.80000	0.0	0.0	0.57222	-	-	-
		18.00000	12.00000	-2.80000	0.15179	-0.095630	0.73778	-	-	-
		20.00000	12.00000	-2.80000	0.25426	-0.20023	0.83605	-	-	-
		22.00000	12.00000	-2.80000	0.28103	-0.29508	0.83757	-	-	-
		24.00000	12.00000	-2.80000	0.21171	-0.33344	0.70545	-	-	-
		26.00000	12.00000	-2.80000	0.076280	-0.24028	0.41436	-	-	-
		28.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	14.00000	-2.80000	0.0	0.0	0.21137	-	-	-
		16.00000	14.00000	-2.80000	0.0	0.0	0.38962	-	-	-
		18.00000	14.00000	-2.80000	0.036382	-0.030197	0.51999	-	-	-
		20.00000	14.00000	-2.80000	0.11131	-0.11548	0.58748	-	-	-
		22.00000	14.00000	-2.80000	0.12886	-0.17826	0.57470	-	-	-
		24.00000	14.00000	-2.80000	0.092050	-0.19100	0.46697	-	-	-
		26.00000	14.00000	-2.80000	0.030796	-0.12780	0.26479	-	-	-
		28.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	16.00000	-2.80000	0.0	0.0	0.068632	-	-	-
		16.00000	16.00000	-2.80000	0.0	0.0	0.22284	-	-	-
		18.00000	16.00000	-2.80000	0.0	0.0	0.33234	-	-	-
		20.00000	16.00000	-2.80000	0.019864	-0.025575	0.38748	-	-	-
		22.00000	16.00000	-2.80000	0.044364	-0.076157	0.37952	-	-	-
		24.00000	16.00000	-2.80000	0.035016	-0.090165	0.30469	-	-	-
		26.00000	16.00000	-2.80000	0.011808	-0.060813	0.17040	-	-	-
		28.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	18.00000	-2.80000	0.0	0.0	0.074652	-	-	-
		18.00000	18.00000	-2.80000	0.0	0.0	0.17351	-	-	-
		20.00000	18.00000	-2.80000	0.0	0.0	0.22707	-	-	-
		22.00000	18.00000	-2.80000	0.0	0.0	0.23174	-	-	-
		24.00000	18.00000	-2.80000	0.0058630	-0.018029	0.18850	-	-	-
		26.00000	18.00000	-2.80000	0.0028410	-0.017472	0.10565	-	-	-
		28.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		30.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	20.00000	-2.80000	0.0	0.0	0.039747	-	-	-
		20.00000	20.00000	-2.80000	0.0	0.0	0.097446	-	-	-
		22.00000	20.00000	-2.80000	0.0	0.0	0.11717	-	-	-
		24.00000	20.00000	-2.80000	0.0	0.0	0.10171	-	-	-
		26.00000	20.00000	-2.80000	0.0	0.0	0.058557	-	-	-
		28.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		20.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		22.00000	22.00000	-2.80000	0.0	0.0	0.026329	-	-	-
		24.00000	22.00000	-2.80000	0.0	0.0	0.034641	-	-	-
		26.00000	22.00000	-2.80000	0.0	0.0	0.022796	-	-	-
		28.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		20.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		22.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		24.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		26.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		28.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		20.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		22.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
		24.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		26.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		28.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		20.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		22.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		24.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		26.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		28.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-10.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-8.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-6.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-4.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		-2.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		0.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		2.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		4.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		6.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		8.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		10.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		12.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		14.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		16.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		18.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		20.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		22.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		24.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		26.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		28.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		30.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		32.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		34.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		36.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		38.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		40.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		42.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		44.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		46.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		48.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		50.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		52.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		54.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		56.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		58.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
		60.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-
Law Bdg Infill	Line 1	2.00000	6.00000	-1.50000	0.0	0.0	0.0	0.0	0.0	0.0
		1.0667	3.06667	6.00000	-1.50000	0.0	0.0	0.0	0.0	0.0
		2.1333	4.13333	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		3.2000	5.20000	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		4.2667	6.26667	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		5.3333	7.33333	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		6.4000	8.40000	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		7.4667	9.46667	6.00000	-1.50000	0.0	0.45000	0.44988	0.0	0.45000	0.0
		8.5333	10.53333	6.00000	-1.50000	-0.20556	0.0	0.16950	-0.20556	0.0	0.0
		9.6000	11.60000	6.00000	-1.50000	0.0	0.0	0.29346	0.0	0.0	0.0
		10.667	12.66667	6.00000	-1.50000	0.0	0.0	0.48901	0.0	0.0	0.0
		11.733	13.73333	6.00000	-1.50000	0.0	0.0	0.68414	0.0	0.0	0.0
		12.800	14.80000	6.00000	-1.50000	0.049807	-0.0011320	0.87876	0.049807	-0.0011320	0.0
		13.867	15.86667	6.00000	-1.50000	0.22266	-0.0055054	1.0727	0.22266	-0.0055054	0.0
		14.933	16.93333	6.00000	-1.50000	0.39934	-0.010826	1.2659	0.39934	-0.010826	0.0
		16.000	18.00000	6.00000	-1.50000	0.58311	-0.017493	1.4579	0.58311	-0.017493	0.0
16 Chenies Wst	Line 2	2.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		1.1333	3.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		2.2667	4.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		3.4000	5.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		4.5333	6.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		5.6667	7.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		6.8000	8.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		7.9333	9.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		9.0667	11.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		10.200	12.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		11.333	13.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		12.467	14.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		13.600	15.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		14.733	16.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		15.867	17.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		17.000	19.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		18.133	20.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		19.267	21.26667	22.00000	-2.80000	0.0	0.0	0.016876	0.0	0.0	0.0
		20.400	22.40000	22.00000	-2.80000	0.0	0.0	0.029954	0.0	0.0	0.0
		21.533	23.53333	22.00000	-2.80000	0.0	0.0	0.034789	0.0	0.0	0.0
		22.667	24.66667	22.00000	-2.80000	0.0	0.0	0.032530	0.0	0.0	0.0
		23.800	25.80000	22.00000	-2.80000	0.0	0.0	0.024644	0.0	0.0	0.0
		24.933	26.93333	22.00000	-2.80000	0.0	0.0	0.012877	0.0	0.0	0.0
		26.067	28.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		27.200	29.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		28.333	30.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		29.467	31.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		30.600	32.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		31.733	33.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		32.867	34.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		34.000	36.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
		35.133	37.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis
	36.267	38.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	37.400	39.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	38.533	40.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	39.667	41.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	40.800	42.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	41.933	43.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	43.067	45.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	44.200	46.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	45.333	47.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	46.467	48.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	47.600	49.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	48.733	50.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	49.867	51.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	51.000	53.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
16 Chenies Line 3 Sth		2.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	1.0533	2.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	2.1067	2.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	3.1600	2.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	4.2133	2.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	5.2667	2.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	6.3200	2.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	7.3733	2.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	8.4267	2.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	9.4800	2.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	10.533	2.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	11.587	2.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	12.640	2.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	13.693	2.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	14.747	2.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	15.800	2.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
16 Chenies Line 4 Est		2.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	1.1333	3.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	2.2667	4.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	3.4000	5.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	4.5333	6.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	5.6667	7.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	6.8000	8.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	7.9333	9.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	9.0667	11.06667	6.00000	-2.80000	0.0	0.0	0.19556	0.0	0.0	0.0
	10.200	12.20000	6.00000	-2.80000	0.0	0.0	0.40350	0.0	0.0	0.0
	11.333	13.33333	6.00000	-2.80000	0.0	0.0	0.61102	0.0	0.0	0.0
	12.467	14.46667	6.00000	-2.80000	0.0	0.0	0.81800	0.0	0.0	0.0
	13.600	15.60000	6.00000	-2.80000	0.17922	-0.0043360	1.0243	0.17922	-0.0043360	0.0
	14.733	16.73333	6.00000	-2.80000	0.36577	-0.0097395	1.2297	0.36577	-0.0097395	0.0
	15.867	17.86667	6.00000	-2.80000	0.55964	-0.016568	1.4340	0.55964	-0.016568	0.0
	17.000	19.00000	6.00000	-2.80000	0.76460	-0.025487	1.6366	0.76460	-0.025487	0.0
	18.133	20.13333	6.00000	-2.80000	0.98414	-0.037531	1.8370	0.98414	-0.037531	0.0
	19.267	21.26667	6.00000	-2.80000	1.2212	-0.054411	2.0338	1.2212	-0.054411	0.0
	20.400	22.40000	6.00000	-2.80000	1.4777	-0.079163	2.2251	1.4777	-0.079163	0.0
	21.533	23.53333	6.00000	-2.80000	1.7530	-0.11774	2.4066	1.7530	-0.11774	0.0
	22.667	24.66667	6.00000	-2.80000	2.0395	-0.18356	2.5683	2.0395	-0.18356	0.0
	23.800	25.80000	6.00000	-2.80000	2.3041	-0.31420	2.6803	2.3041	-0.31420	0.0
	24.933	26.93333	6.00000	-2.80000	2.3478	-0.66032	2.5920	2.3478	-0.66032	0.0
	26.067	28.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	27.200	29.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	28.333	30.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	29.467	31.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	30.600	32.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	31.733	33.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	32.867	34.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	34.000	36.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	35.133	37.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	36.267	38.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	37.400	39.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	38.533	40.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	39.667	41.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	40.800	42.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	41.933	43.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	43.067	45.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	44.200	46.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	45.333	47.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	46.467	48.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	47.600	49.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	48.733	50.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	49.867	51.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
	51.000	53.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0
16 Chenies Line 5 Nth		53.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	1.0533	53.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	2.1067	53.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	3.1600	53.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	4.2133	53.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	5.2667	53.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	6.3200	53.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	7.3733	53.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	8.4267	53.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	9.4800	53.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	10.533	53.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	11.587	53.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	12.640	53.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	13.693	53.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	14.747	53.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
	15.800	53.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00
18 Chenies Line 6 Retained Wall		39.00000	-13.60000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	0.98000	39.00000	-12.62000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	1.9600	39.00000	-11.64000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	2.9400	39.00000	-10.66000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	3.9200	39.00000	-9.68000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	4.9000	39.00000	-8.70000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	5.8800	39.00000	-7.72000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	6.8600	39.00000	-6.74000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	7.8400	39.00000	-5.76000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	8.8200	39.00000	-4.78000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	9.8000	39.00000	-3.80000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	10.780	39.00000	-2.82000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	11.760	39.00000	-1.84000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	12.740	39.00000	-0.86000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	13.720	39.00000	0.12000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	14.700	39.00000	1.10000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	15.680	39.00000	2.08000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	16.660	39.00000	3.06000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	17.640	39.00000	4.04000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	18.620	39.00000	5.02000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
	19.600	39.00000	6.00000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000
Law Bdg Nth	Line 7	21.60000	4.00000	-2.80000	1.3894	0.16639	2.2887	-0.16639	1.3894	270.00
	1.0500	21.60000	2.95000	-2.80000	1.3584	0.16268	2.2637	-0.16268	1.3584	270.00
	2.1000	21.60000	1.90000	-2.80000	1.3277	0.15900	2.2387	-0.15900	1.3277	270.00
	3.1500	21.60000	0.85000	-2.80000	1.2973	0.15536	2.2137	-0.15536	1.2973	270.00
	4.2000	21.60000	-0.20000	-2.80000	1.2672	0.15177	2.1888	-0.15177	1.2672	270.00
	5.2500	21.60000	-1.25000	-2.80000	1.2375	0.14820	2.1638	-0.14820	1.2375	270.00
	6.3000	21.60000	-2.30000	-2.80000	1.2081	0.14468	2.1388	-0.14468	1.2081	270.00
	7.3500	21.60000	-3.35000	-2.80000	1.1789	0.14119	2.1139	-0.14119	1.1789	270.00
	8.4000	21.60000	-4.40000	-2.80000	1.1501	0.13774	2.0889	-0.13774	1.1501	270.00
	9.4500	21.60000	-5.45000	-2.80000	1.1216	0.13432	2.0639	-0.13432	1.1216	270.00
	10.500	21.60000	-6.50000	-2.80000	1.0933	0.13093	2.0389	-0.13093	1.0933	270.00
	11.550	21.60000	-7.55000	-2.80000	1.0653	0.12758	2.0140	-0.12758	1.0653	270.00
	12.600	21.60000	-8.60000	-2.80000	1.0376	0.12426	1.9890	-0.12426	1.0376	270.00
	13.650	21.60000	-9.65000	-2.80000	1.0102	0.12098	1.9640	-0.12098	1.0102	270.00
	14.700	21.60000	-10.70000	-2.80000	0.98296	0.11772	1.9391	-0.11772	0.98296	270.00
	15.750	21.60000	-11.75000	-2.80000	0.95602	0.11449	1.9141	-0.11449	0.95602	270.00
	16.800	21.60000	-12.80000	-2.80000	0.85014	0.18217	1.7627	-0.18217	0.85014	270.00
	17.850	21.60000	-13.85000	-2.80000	0.70507	0.23922	1.5644	-0.23922	0.70507	270.00
	18.900	21.60000	-14.90000	-2.80000	0.55950	0.25977	1.3679	-0.25977	0.55950	270.00
	19.950	21.60000	-15.95000	-2.80000	0.42513	0.25052	1.1802	-0.25052	0.42513	270.00
	21.000	21.60000	-17.00000	-2.80000	0.30813	0.22010	1.0054	-0.22010	0.30813	270.00
Law Bbg	Line 8	21.60000	-17.10000	-2.80000	0.29799	0.21640	0.98956	-0.29799	-0.21640	180.00

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
Est										
	1.0800	20.52000	-17.10000	-2.80000	0.23152	0.14897	0.92594	-0.23152	-0.14897	180.00
	2.1600	19.44000	-17.10000	-2.80000	0.14555	0.084079	0.83734	-0.14555	-0.084079	180.00
	3.2400	18.36000	-17.10000	-2.80000	0.043352	0.022719	0.72836	-0.043352	-0.022719	180.00
	4.3200	17.28000	-17.10000	-2.80000	0.0	0.0	0.60268	0.0	0.0	180.00
	5.4000	16.20000	-17.10000	-2.80000	0.0	0.0	0.46322	0.0	0.0	180.00
	6.4800	15.12000	-17.10000	-2.80000	0.0	0.0	0.31232	0.0	0.0	180.00
	7.5600	14.04000	-17.10000	-2.80000	0.0	0.0	0.15184	0.0	0.0	180.00
	8.6400	12.96000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	9.7200	11.88000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	10.800	10.80000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	11.880	9.72000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	12.960	8.64000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	14.040	7.56000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	15.120	6.48000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	16.200	5.40000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	17.280	4.32000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	18.360	3.24000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	19.440	2.16000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	20.520	1.08000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00
	21.600	0.00000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00

Specific Building Damage Results - Horizontal Displacements

Structure: Law Building | Sub-structure: Infill

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.00000	6.00000	-1.50000	0.0	0.0	0.0	0.0
1.0667	3.06667	6.00000	-1.50000	0.0	0.0	0.0	0.0
2.1333	4.13333	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
3.2000	5.20000	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
4.2667	6.26667	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
5.3333	7.33333	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
6.4000	8.40000	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
7.4667	9.46667	6.00000	-1.50000	0.0	0.45000	0.0	0.45000
8.5333	10.53333	6.00000	-1.50000	-0.20556	0.0	-0.20556	0.0
9.6000	11.60000	6.00000	-1.50000	0.0	0.0	0.0	0.0
10.667	12.66667	6.00000	-1.50000	0.0	0.0	0.0	0.0
11.733	13.73333	6.00000	-1.50000	0.0	0.0	0.0	0.0
12.800	14.80000	6.00000	-1.50000	0.049807	-0.0011320	0.049807	-0.0011320
13.867	15.86667	6.00000	-1.50000	0.22266	-0.0055054	0.22266	-0.0055054
14.933	16.93333	6.00000	-1.50000	0.39934	-0.010826	0.39934	-0.010826
16.000	18.00000	6.00000	-1.50000	0.58311	-0.017493	0.58311	-0.017493

Structure: 16 Chenies | Sub-structure: West

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0
1.1333	3.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0
2.2667	4.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0
3.4000	5.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0
4.5333	6.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0
5.6667	7.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0
6.8000	8.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0
7.9333	9.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0
9.0667	11.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0
10.200	12.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0
11.333	13.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0
12.467	14.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0
13.600	15.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0
14.733	16.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0
15.867	17.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0
17.000	19.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0
18.133	20.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0
19.267	21.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0
20.400	22.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0
21.533	23.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0
22.667	24.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0
23.800	25.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0
24.933	26.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0
26.067	28.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0
27.200	29.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0
28.333	30.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0
29.467	31.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0
30.600	32.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0
31.733	33.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0
32.867	34.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0
34.000	36.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0
35.133	37.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0
36.267	38.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0
37.400	39.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0
38.533	40.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0
39.667	41.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0
40.800	42.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0
41.933	43.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0
43.067	45.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0
44.200	46.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0
45.333	47.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0
46.467	48.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0
47.600	49.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0
48.733	50.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0
49.867	51.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0
51.000	53.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0

Structure: 16 Chenies | Sub-structure: South

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0
1.0533	2.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0
2.1067	2.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0
3.1600	2.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0
4.2133	2.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0
5.2667	2.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0
6.3200	2.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0
7.3733	2.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0
8.4267	2.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0
9.4800	2.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0
10.533	2.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0
11.587	2.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0
12.640	2.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0
13.693	2.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0
14.747	2.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0
15.800	2.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0

Structure: 16 Chenies | Sub-structure: East

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal

						displacement along the Line	displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0
1.1333	3.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0
2.2667	4.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0
3.4000	5.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0
4.5333	6.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0
5.6667	7.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0
6.8000	8.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0
7.9333	9.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0
9.0667	11.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0
10.200	12.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0
11.333	13.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0
12.467	14.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0
13.600	15.60000	6.00000	-2.80000	0.17922	-0.0043360	0.17922	-0.0043360
14.733	16.73333	6.00000	-2.80000	0.36577	-0.0097395	0.36577	-0.0097395
15.867	17.86667	6.00000	-2.80000	0.55964	-0.016568	0.55964	-0.016568
17.000	19.00000	6.00000	-2.80000	0.76460	-0.025487	0.76460	-0.025487
18.133	20.13333	6.00000	-2.80000	0.98414	-0.037531	0.98414	-0.037531
19.267	21.26667	6.00000	-2.80000	1.2212	-0.054411	1.2212	-0.054411
20.400	22.40000	6.00000	-2.80000	1.4777	-0.079163	1.4777	-0.079163
21.533	23.53333	6.00000	-2.80000	1.7530	-0.11774	1.7530	-0.11774
22.667	24.66667	6.00000	-2.80000	2.0395	-0.18356	2.0395	-0.18356
23.800	25.80000	6.00000	-2.80000	2.3041	-0.31420	2.3041	-0.31420
24.933	26.93333	6.00000	-2.80000	2.3478	-0.66032	2.3478	-0.66032
26.067	28.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0
27.200	29.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0
28.333	30.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0
29.467	31.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0
30.600	32.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0
31.733	33.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0
32.867	34.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0
34.000	36.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0
35.133	37.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0
36.267	38.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0
37.400	39.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0
38.533	40.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0
39.667	41.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0
40.800	42.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0
41.933	43.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0
43.067	45.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0
44.200	46.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0
45.333	47.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0
46.467	48.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0
47.600	49.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0
48.733	50.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0
49.867	51.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0
51.000	53.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0

Structure: 16 Chenies | Sub-structure: North

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	53.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0
1.0533	53.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0
2.1067	53.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0
3.1600	53.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0
4.2133	53.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0
5.2667	53.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0
6.3200	53.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0
7.3733	53.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0
8.4267	53.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0
9.4800	53.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0
10.533	53.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0
11.587	53.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0
12.640	53.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0
13.693	53.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0
14.747	53.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0
15.800	53.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0

Structure: 18 Chenies | Sub-structure: Retained Wall

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.00000	-13.60000	-3.50000	0.0	0.0	0.0	0.0
0.98000	39.00000	-12.62000	-3.50000	0.0	0.0	0.0	0.0
1.9600	39.00000	-11.64000	-3.50000	0.0	0.0	0.0	0.0
2.9400	39.00000	-10.66000	-3.50000	0.0	0.0	0.0	0.0
3.9200	39.00000	-9.68000	-3.50000	0.0	0.0	0.0	0.0
4.9000	39.00000	-8.70000	-3.50000	0.0	0.0	0.0	0.0
5.8800	39.00000	-7.72000	-3.50000	0.0	0.0	0.0	0.0
6.8600	39.00000	-6.74000	-3.50000	0.0	0.0	0.0	0.0
7.8400	39.00000	-5.76000	-3.50000	0.0	0.0	0.0	0.0
8.8200	39.00000	-4.78000	-3.50000	0.0	0.0	0.0	0.0
9.8000	39.00000	-3.80000	-3.50000	0.0	0.0	0.0	0.0
10.780	39.00000	-2.82000	-3.50000	0.0	0.0	0.0	0.0
11.760	39.00000	-1.84000	-3.50000	0.0	0.0	0.0	0.0
12.740	39.00000	-0.86000	-3.50000	0.0	0.0	0.0	0.0
13.720	39.00000	0.12000	-3.50000	0.0	0.0	0.0	0.0
14.700	39.00000	1.10000	-3.50000	0.0	0.0	0.0	0.0
15.680	39.00000	2.08000	-3.50000	0.0	0.0	0.0	0.0
16.660	39.00000	3.06000	-3.50000	0.0	0.0	0.0	0.0
17.640	39.00000	4.04000	-3.50000	0.0	0.0	0.0	0.0
18.620	39.00000	5.02000	-3.50000	0.0	0.0	0.0	0.0
19.600	39.00000	6.00000	-3.50000	0.0	0.0	0.0	0.0

Structure: Law Building | Sub-structure: North

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.60000	4.00000	-2.80000	1.3894	0.16639	-0.16639	1.3894
1.0500	21.60000	2.95000	-2.80000	1.3584	0.16268	-0.16268	1.3584
2.1000	21.60000	1.90000	-2.80000	1.3277	0.15900	-0.15900	1.3277
3.1500	21.60000	0.85000	-2.80000	1.2973	0.15536	-0.15536	1.2973
4.2000	21.60000	-0.20000	-2.80000	1.2672	0.15177	-0.15177	1.2672
5.2500	21.60000	-1.25000	-2.80000	1.2375	0.14820	-0.14820	1.2375
6.3000	21.60000	-2.30000	-2.80000	1.2081	0.14468	-0.14468	1.2081
7.3500	21.60000	-3.35000	-2.80000	1.1789	0.14119	-0.14119	1.1789
8.4000	21.60000	-4.40000	-2.80000	1.1501	0.13774	-0.13774	1.1501
9.4500	21.60000	-5.45000	-2.80000	1.1216	0.13432	-0.13432	1.1216
10.500	21.60000	-6.50000	-2.80000	1.0933	0.13093	-0.13093	1.0933
11.550	21.60000	-7.55000	-2.80000	1.0653	0.12758	-0.12758	1.0653
12.600	21.60000	-8.60000	-2.80000	1.0376	0.12426	-0.12426	1.0376
13.650	21.60000	-9.65000	-2.80000	1.0102	0.12098	-0.12098	1.0102
14.700	21.60000	-10.70000	-2.80000	0.98296	0.11772	-0.11772	0.98296
15.750	21.60000	-11.75000	-2.80000	0.95602	0.11449	-0.11449	0.95602
16.800	21.60000	-12.80000	-2.80000	0.85014	0.18217	-0.18217	0.85014
17.850	21.60000	-13.85000	-2.80000	0.70507	0.23922	-0.23922	0.70507
18.900	21.60000	-14.90000	-2.80000	0.55950	0.25977	-0.25977	0.55950
19.950	21.60000	-15.95000	-2.80000	0.42513	0.25052	-0.25052	0.42513
21.000	21.60000	-17.00000	-2.80000	0.30813	0.22010	-0.22010	0.30813

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.60000	-17.10000	-2.80000	0.29799	0.21640	-0.29799	-0.21640
1.0800	20.52000	-17.10000	-2.80000	0.23152	0.14897	-0.23152	-0.14897
2.1600	19.44000	-17.10000	-2.80000	0.14555	0.084079	-0.14555	-0.084079
3.2400	18.36000	-17.10000	-2.80000	0.043352	0.022719	-0.043352	-0.022719
4.3200	17.28000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
5.4000	16.20000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
6.4800	15.12000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
7.5600	14.04000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
8.6400	12.96000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
9.7200	11.88000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
10.800	10.80000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
11.880	9.72000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
12.960	8.64000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
14.040	7.56000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
15.120	6.48000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
16.200	5.40000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
17.280	4.32000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
18.360	3.24000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
19.440	2.16000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
20.520	1.08000	-17.10000	-2.80000	0.0	0.0	0.0	0.0
21.600	0.00000	-17.10000	-2.80000	0.0	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: Law Building | Sub-structure: Infill

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	6.00000	-1.50000	0.0
1.0667	3.06667	6.00000	-1.50000	0.0
2.1333	4.13333	6.00000	-1.50000	0.44988
3.2000	5.20000	6.00000	-1.50000	0.44988
4.2667	6.26667	6.00000	-1.50000	0.44988
5.3333	7.33333	6.00000	-1.50000	0.44988
6.4000	8.40000	6.00000	-1.50000	0.44988
7.4667	9.46667	6.00000	-1.50000	0.44988
8.5333	10.53333	6.00000	-1.50000	0.16950
9.6000	11.60000	6.00000	-1.50000	0.29346
10.667	12.66667	6.00000	-1.50000	0.48901
11.733	13.73333	6.00000	-1.50000	0.68414
12.800	14.80000	6.00000	-1.50000	0.87876
13.867	15.86667	6.00000	-1.50000	1.0727
14.933	16.93333	6.00000	-1.50000	1.2659
16.000	18.00000	6.00000	-1.50000	1.4579

Structure: 16 Chenies | Sub-structure: West

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	22.00000	-2.80000	0.0
1.1333	3.13333	22.00000	-2.80000	0.0
2.2667	4.26667	22.00000	-2.80000	0.0
3.4000	5.40000	22.00000	-2.80000	0.0
4.5333	6.53333	22.00000	-2.80000	0.0
5.6667	7.66667	22.00000	-2.80000	0.0
6.8000	8.80000	22.00000	-2.80000	0.0
7.9333	9.93333	22.00000	-2.80000	0.0
9.0667	11.06667	22.00000	-2.80000	0.0
10.200	12.20000	22.00000	-2.80000	0.0
11.333	13.33333	22.00000	-2.80000	0.0
12.467	14.46667	22.00000	-2.80000	0.0
13.600	15.60000	22.00000	-2.80000	0.0
14.733	16.73333	22.00000	-2.80000	0.0
15.867	17.86667	22.00000	-2.80000	0.0
17.000	19.00000	22.00000	-2.80000	0.0
18.133	20.13333	22.00000	-2.80000	0.0
19.267	21.26667	22.00000	-2.80000	0.016876
20.400	22.40000	22.00000	-2.80000	0.029954
21.533	23.53333	22.00000	-2.80000	0.034789
22.667	24.66667	22.00000	-2.80000	0.032530
23.800	25.80000	22.00000	-2.80000	0.024644
24.933	26.93333	22.00000	-2.80000	0.012877
26.067	28.06667	22.00000	-2.80000	0.0
27.200	29.20000	22.00000	-2.80000	0.0
28.333	30.33333	22.00000	-2.80000	0.0
29.467	31.46667	22.00000	-2.80000	0.0
30.600	32.60000	22.00000	-2.80000	0.0
31.733	33.73333	22.00000	-2.80000	0.0
32.867	34.86667	22.00000	-2.80000	0.0
34.000	36.00000	22.00000	-2.80000	0.0
35.133	37.13333	22.00000	-2.80000	0.0
36.267	38.26667	22.00000	-2.80000	0.0
37.400	39.40000	22.00000	-2.80000	0.0
38.533	40.53333	22.00000	-2.80000	0.0
39.667	41.66667	22.00000	-2.80000	0.0
40.800	42.80000	22.00000	-2.80000	0.0
41.933	43.93333	22.00000	-2.80000	0.0
43.067	45.06667	22.00000	-2.80000	0.0
44.200	46.20000	22.00000	-2.80000	0.0
45.333	47.33333	22.00000	-2.80000	0.0
46.467	48.46667	22.00000	-2.80000	0.0
47.600	49.60000	22.00000	-2.80000	0.0
48.733	50.73333	22.00000	-2.80000	0.0
49.867	51.86667	22.00000	-2.80000	0.0
51.000	53.00000	22.00000	-2.80000	0.0

Structure: 16 Chenies | Sub-structure: South

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	21.90000	-2.80000	0.0
1.0533	2.00000	20.84667	-2.80000	0.0
2.1067	2.00000	19.79333	-2.80000	0.0
3.1600	2.00000	18.74000	-2.80000	0.0
4.2133	2.00000	17.68667	-2.80000	0.0
5.2667	2.00000	16.63333	-2.80000	0.0
6.3200	2.00000	15.58000	-2.80000	0.0
7.3733	2.00000	14.52667	-2.80000	0.0
8.4267	2.00000	13.47333	-2.80000	0.0
9.4800	2.00000	12.42000	-2.80000	0.0
10.533	2.00000	11.36667	-2.80000	0.0
11.587	2.00000	10.31333	-2.80000	0.0
12.640	2.00000	9.26000	-2.80000	0.0
13.693	2.00000	8.20667	-2.80000	0.0
14.747	2.00000	7.15333	-2.80000	0.0
15.800	2.00000	6.10000	-2.80000	0.0

Structure: 16 Chenies | Sub-structure: East

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

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

Vertical Offset 1

0.0	2.00000	6.00000	-2.80000	0.0
1.1333	3.13333	6.00000	-2.80000	0.0
2.2667	4.26667	6.00000	-2.80000	0.0
3.4000	5.40000	6.00000	-2.80000	0.0
4.5333	6.53333	6.00000	-2.80000	0.0
5.6667	7.66667	6.00000	-2.80000	0.0
6.8000	8.80000	6.00000	-2.80000	0.0
7.9333	9.93333	6.00000	-2.80000	0.0
9.0667	11.06667	6.00000	-2.80000	0.19556
10.200	12.20000	6.00000	-2.80000	0.40350
11.333	13.33333	6.00000	-2.80000	0.61102
12.467	14.46667	6.00000	-2.80000	0.81800
13.600	15.60000	6.00000	-2.80000	1.0243
14.733	16.73333	6.00000	-2.80000	1.2297
15.867	17.86667	6.00000	-2.80000	1.4340
17.000	19.00000	6.00000	-2.80000	1.6366
18.133	20.13333	6.00000	-2.80000	1.8370
19.267	21.26667	6.00000	-2.80000	2.0338
20.400	22.40000	6.00000	-2.80000	2.2251
21.533	23.53333	6.00000	-2.80000	2.4066
22.667	24.66667	6.00000	-2.80000	2.5683
23.800	25.80000	6.00000	-2.80000	2.6803
24.933	26.93333	6.00000	-2.80000	2.5920
26.067	28.06667	6.00000	-2.80000	0.0
27.200	29.20000	6.00000	-2.80000	0.0
28.333	30.33333	6.00000	-2.80000	0.0
29.467	31.46667	6.00000	-2.80000	0.0
30.600	32.60000	6.00000	-2.80000	0.0
31.733	33.73333	6.00000	-2.80000	0.0
32.867	34.86667	6.00000	-2.80000	0.0
34.000	36.00000	6.00000	-2.80000	0.0
35.133	37.13333	6.00000	-2.80000	0.0
36.267	38.26667	6.00000	-2.80000	0.0
37.400	39.40000	6.00000	-2.80000	0.0
38.533	40.53333	6.00000	-2.80000	0.0
39.667	41.66667	6.00000	-2.80000	0.0
40.800	42.80000	6.00000	-2.80000	0.0
41.933	43.93333	6.00000	-2.80000	0.0
43.067	45.06667	6.00000	-2.80000	0.0
44.200	46.20000	6.00000	-2.80000	0.0
45.333	47.33333	6.00000	-2.80000	0.0
46.467	48.46667	6.00000	-2.80000	0.0
47.600	49.60000	6.00000	-2.80000	0.0
48.733	50.73333	6.00000	-2.80000	0.0
49.867	51.86667	6.00000	-2.80000	0.0
51.000	53.00000	6.00000	-2.80000	0.0

Structure: 16 Chenies | Sub-structure: North

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

Vertical Offset 1

0.0	53.00000	21.90000	-2.80000	0.0
1.0533	53.00000	20.84667	-2.80000	0.0
2.1067	53.00000	19.79333	-2.80000	0.0
3.1600	53.00000	18.74000	-2.80000	0.0
4.2133	53.00000	17.68667	-2.80000	0.0
5.2667	53.00000	16.63333	-2.80000	0.0
6.3200	53.00000	15.58000	-2.80000	0.0
7.3733	53.00000	14.52667	-2.80000	0.0
8.4267	53.00000	13.47333	-2.80000	0.0
9.4800	53.00000	12.42000	-2.80000	0.0
10.533	53.00000	11.36667	-2.80000	0.0
11.587	53.00000	10.31333	-2.80000	0.0
12.640	53.00000	9.26000	-2.80000	0.0
13.693	53.00000	8.20667	-2.80000	0.0
14.747	53.00000	7.15333	-2.80000	0.0
15.800	53.00000	6.10000	-2.80000	0.0

Structure: 18 Chenies | Sub-structure: Retained Wall

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

Vertical Offset 1

0.0	39.00000	-13.60000	-3.50000	0.0
0.98000	39.00000	-12.62000	-3.50000	0.0
1.9600	39.00000	-11.64000	-3.50000	0.0
2.9400	39.00000	-10.66000	-3.50000	0.0
3.9200	39.00000	-9.68000	-3.50000	0.0
4.9000	39.00000	-8.70000	-3.50000	0.0
5.8800	39.00000	-7.72000	-3.50000	0.0
6.8600	39.00000	-6.74000	-3.50000	0.0
7.8400	39.00000	-5.76000	-3.50000	0.0
8.8200	39.00000	-4.78000	-3.50000	0.0
9.8000	39.00000	-3.80000	-3.50000	0.0
10.780	39.00000	-2.82000	-3.50000	0.0
11.760	39.00000	-1.84000	-3.50000	0.0
12.740	39.00000	-0.86000	-3.50000	0.0
13.720	39.00000	0.12000	-3.50000	0.0
14.700	39.00000	1.10000	-3.50000	0.0
15.680	39.00000	2.08000	-3.50000	0.0
16.660	39.00000	3.06000	-3.50000	0.0
17.640	39.00000	4.04000	-3.50000	0.0
18.620	39.00000	5.02000	-3.50000	0.0
19.600	39.00000	6.00000	-3.50000	0.0

Structure: Law Building | Sub-structure: North

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

Vertical Offset 1

0.0	21.60000	4.00000	-2.80000	2.2887
1.0500	21.60000	2.95000	-2.80000	2.2637
2.1000	21.60000	1.90000	-2.80000	2.2387
3.1500	21.60000	0.85000	-2.80000	2.2137
4.2000	21.60000	-0.20000	-2.80000	2.1888
5.2500	21.60000	-1.25000	-2.80000	2.1638
6.3000	21.60000	-2.30000	-2.80000	2.1388
7.3500	21.60000	-3.35000	-2.80000	2.1139
8.4000	21.60000	-4.40000	-2.80000	2.0889
9.4500	21.60000	-5.45000	-2.80000	2.0639
10.500	21.60000	-6.50000	-2.80000	2.0389
11.550	21.60000	-7.55000	-2.80000	2.0140
12.600	21.60000	-8.60000	-2.80000	1.9890
13.650	21.60000	-9.65000	-2.80000	1.9640
14.700	21.60000	-10.70000	-2.80000	1.9391
15.750	21.60000	-11.75000	-2.80000	1.9141
16.800	21.60000	-12.80000	-2.80000	1.7627
17.850	21.60000	-13.85000	-2.80000	1.5644
18.900	21.60000	-14.90000	-2.80000	1.3679
19.950	21.60000	-15.95000	-2.80000	1.1802
21.000	21.60000	-17.00000	-2.80000	1.0054

Structure: Law Building | Sub-structure: East

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

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

Vertical Offset 1

0.0	21.60000	-17.10000	-2.80000	0.98956
1.0800	20.52000	-17.10000	-2.80000	0.92594
2.1600	19.44000	-17.10000	-2.80000	0.83734
3.2400	18.36000	-17.10000	-2.80000	0.72836
4.3200	17.28000	-17.10000	-2.80000	0.60268
5.4000	16.20000	-17.10000	-2.80000	0.46322
6.4800	15.12000	-17.10000	-2.80000	0.31232
7.5600	14.04000	-17.10000	-2.80000	0.15184
8.6400	12.96000	-17.10000	-2.80000	0.0
9.7200	11.88000	-17.10000	-2.80000	0.0
10.800	10.80000	-17.10000	-2.80000	0.0
11.880	9.72000	-17.10000	-2.80000	0.0
12.960	8.64000	-17.10000	-2.80000	0.0
14.040	7.56000	-17.10000	-2.80000	0.0
15.120	6.48000	-17.10000	-2.80000	0.0
16.200	5.40000	-17.10000	-2.80000	0.0
17.280	4.32000	-17.10000	-2.80000	0.0
18.360	3.24000	-17.10000	-2.80000	0.0
19.440	2.16000	-17.10000	-2.80000	0.0
20.520	1.08000	-17.10000	-2.80000	0.0
21.600	0.00000	-17.10000	-2.80000	0.0

Specific Building Damage Results - All Segments

Structure: Law Building | Sub-structure: Infill

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]	
0.0	1	2.1333	2.1333	Sagging	0.0	0.0	0.0	0.0	-421.76E-6	10116.	0 (Negligible)
	2	4.2667	1.0667	None	0.0	0.0	0.0	0.0	0.0	-	0 (Negligible)
	3	5.3333	2.3541	Sagging	0.0022158	-0.0018069	0.0017162	192.75E-6	262.91E-6	16249.	0 (Negligible)
	4	7.6874	4.0148	Hogging	0.0070358	0.0010595	0.0074166	192.75E-6	262.91E-6	7591.1	0 (Negligible)
	5	11.702	4.1978	Sagging	39.719E-6	0.013480	0.013505	-172.25E-6	-182.94E-6	927960.	0 (Negligible)

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

Structure: 16 Chenies | Sub-structure: West

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 16 Chenies | Sub-structure: South

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 16 Chenies | Sub-structure: East

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]	
0.0	1	9.0667	2.0784	Sagging	9.2610E-6	0.0	9.1910E-6	0.0	-183.48E-6	23365.	0 (Negligible)
	2	11.145	13.788	Sagging	0.0022575	0.017028	0.019542	0.0020759	0.0022918	1737.9	0 (Negligible)

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

Structure: 16 Chenies | Sub-structure: North

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 18 Chenies | Sub-structure: Retained Wall

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: Law Building | Sub-structure: North

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]	
0.0	1	0.0	1.6994	Sagging	0.0	352.43E-6	352.44E-6	-3.5387E-6	23.782E-6	260.49E+9	0 (Negligible)
	2	1.6994	0.66306	Sagging	0.0	348.63E-6	348.65E-6	-3.5010E-6	23.782E-6	2.3204E+12	0 (Negligible)
	3	2.3625	3.4125	Sagging	0.0	341.40E-6	341.43E-6	-3.4639E-6	23.782E-6	578.71E+9	0 (Negligible)
	4	5.7750	0.87500	Sagging	0.0	334.30E-6	334.27E-6	-3.3567E-6	23.782E-6	2.3246E+12	0 (Negligible)
	5	6.6500	2.8000	Sagging	0.0	328.48E-6	328.48E-6	-3.3224E-6	23.782E-6	772.26E+9	0 (Negligible)
	6	9.4500	0.0	None	0.0	0.0	0.0	-3.2558E-6	23.782E-6	-	0 (Negligible)
	7	9.4500	3.6750	Sagging	0.0	318.35E-6	318.32E-6	-3.2558E-6	23.782E-6	580.18E+9	0 (Negligible)

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
	8	13.125	0.52500	Sagging	0.0	313.10E-6	313.10E-6	-3.1310E-6	23.782E-6	2.3325E+12	0 (Negligible)
	9	13.650	4.7369	Sagging	0.0036220	-0.0027181	0.0028462	64.461E-6	188.87E-6	14732.	0 (Negligible)
	10	18.387	2.5131	Hogging	353.26E-6	0.0010639	0.0011550	-28.979E-6	187.15E-6	74684.	0 (Negligible)

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

Structure: Law Building | Sub-structure: East

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]	
0.0	1	0.0	6.6106	Sagging	0.0012116	0.0045077	0.0050551	-94.622E-6	148.60E-6	44651.	0 (Negligible)
	2	6.6106	0.94935	Hogging	0.0	0.0	0.0	0.0	148.60E-6	29242.	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: Law Building | Sub-structure: Infill

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	0.0070358	0.013480	-421.76E-6	1.4399	0.013505	192.75E-6	-421.76E-6	7591.1	10116.	0 (Negligible)

Structure: 16 Chenies | Sub-structure: West

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: 16 Chenies | Sub-structure: South

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: 16 Chenies | Sub-structure: East

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	0.0022575	0.017028	0.0022918	2.6788	0.019542	0.0020759	0.0022918	-	1737.9	0 (Negligible)

Structure: 16 Chenies | Sub-structure: North

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: 18 Chenies | Sub-structure: Retained Wall

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: Law Building | Sub-structure: North

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	0.0036220	-0.0027181	188.87E-6	2.2887	0.0028462	64.461E-6	188.87E-6	74684.	14732.	0 (Negligible)

Structure: Law Building | Sub-structure: East

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	0.0012116	0.0045077	148.60E-6	0.98956	0.0050551	-94.622E-6	148.60E-6	29242.	44651.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

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
				[m]	[m]			[mm]	[%]	[m]	[m]	
Law Building	Maximum Slope	Infill	1	2.1333	4.2667	Sagging	**421.76E-6**	0.44988	0.0	-	10116.	0 (Negligible)
	Maximum Settlement	North	1	0.0	1.6994	Sagging	23.782E-6	**2.2887**	352.44E-6	-	260.49E+9	0 (Negligible)
	Max. Tensile Strain	Infill	5	11.702	15.900	Sagging	182.94E-6	1.4399	**0.013505**	-	927960.	0 (Negligible)
	Min. Radius of Curvature (Hogging)	Infill	4	7.6874	11.702	Hogging	262.91E-6	0.67844	0.0074166	**7591.1**	-	0 (Negligible)
	Min. Radius of	Infill	1	2.1333	4.2667	Sagging	421.76E-6	0.44988	0.0	-	**10116.**	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
	Curvature (Sagging)											
16 Chenies	Maximum Slope	East	2	11.145	24.933	Sagging	**0.0022918**	2.6788	0.019542	-	1737.9	0 (Negligible)
	Maximum Settlement	East	2	11.145	24.933	Sagging	0.0022918	**2.6788**	0.019542	-	1737.9	0 (Negligible)
	Max. Tensile Strain	East	2	11.145	24.933	Sagging	0.0022918	2.6788	**0.019542**	-	1737.9	0 (Negligible)
	Min. Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min. Radius of Curvature (Sagging)	East	2	11.145	24.933	Sagging	0.0022918	2.6788	0.019542	-	**1737.9**	0 (Negligible)
18 Chenies	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.											

Specific Building Damage Results - All Combined Segments

Structure: Law Building | Sub-structure: Infill

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: 16 Chenies | Sub-structure: West

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: 16 Chenies | Sub-structure: South

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: 16 Chenies | Sub-structure: East

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: 16 Chenies | Sub-structure: North

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: 18 Chenies | Sub-structure: Retained Wall

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: Law Building | Sub-structure: North

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]		[%]	[%]	[%]	

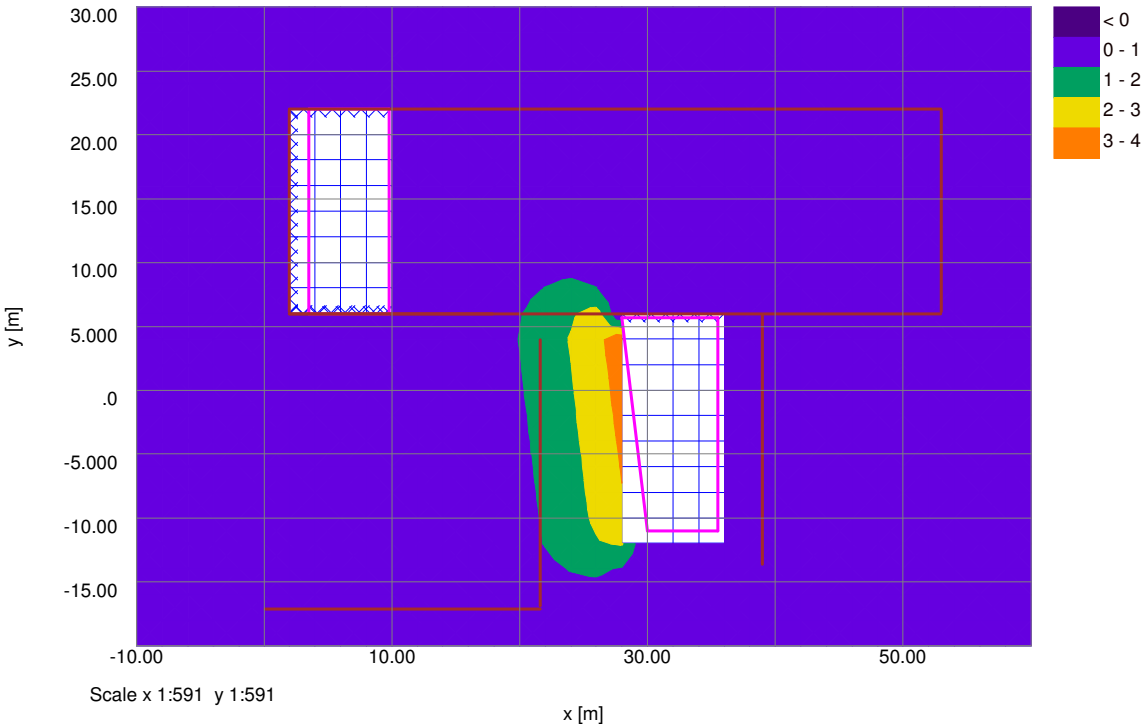
No structures have segments combined.

Structure: Law Building | Sub-structure: East

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]		[%]	[%]	[%]	

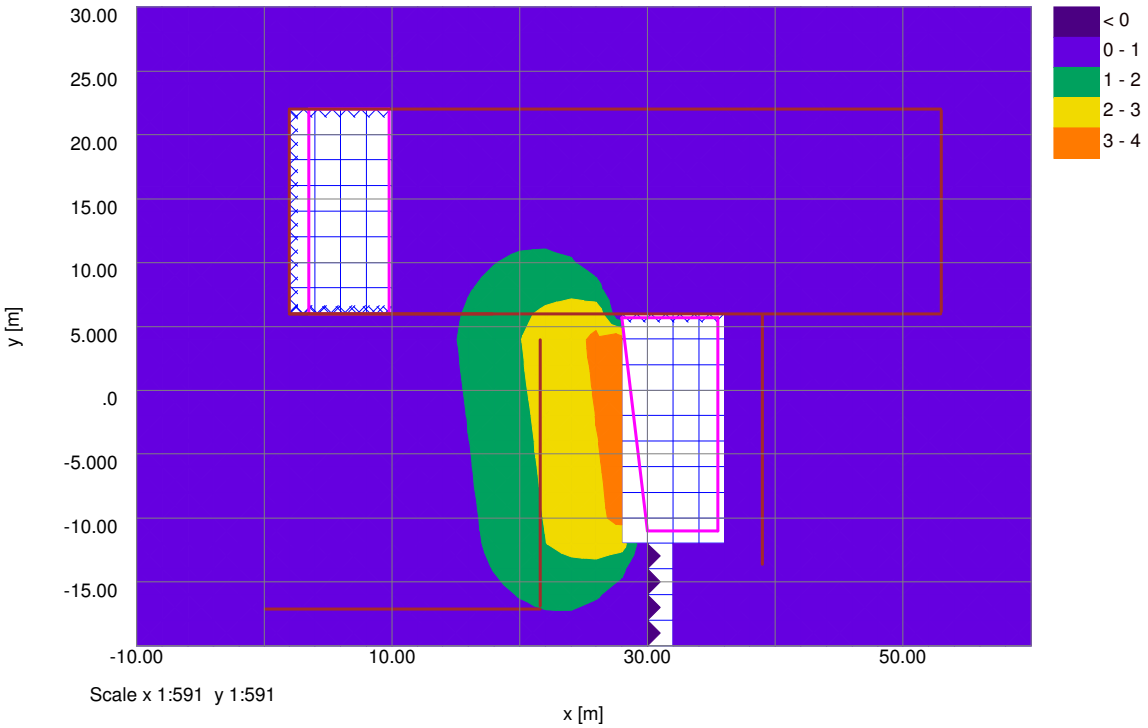
No structures have segments combined.

Horizontal Displacement Contours: Grid 1 (level -2.800m) Interval 1mm



Scale x 1:591 y 1:591

Vertical Settlement Contours: Grid 1 (level -2.800m) (Interval 1mm)



Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Grid	Grid 1	Global X	-10.00000	-20.00000	-2.80000	-	30.00000	-2.80000	25	70.00000	35	Yes	Surface
Line	Law Bdg Infill	-	2.00000	6.00000	-1.50000	18.00000	6.00000	-1.50000	15	-	-	Yes	Surface
Line	16 Chenies Wst	-	2.00000	22.00000	-2.80000	53.00000	22.00000	-2.80000	45	-	-	Yes	Surface
Line	16 Chenies Sth	-	2.00000	21.90000	-2.80000	2.00000	6.10000	-2.80000	15	-	-	Yes	Surface
Line	16 Chenies Est	-	2.00000	6.00000	-2.80000	53.00000	6.00000	-2.80000	45	-	-	Yes	Surface
Line	16 Chenies Nth	-	53.00000	21.90000	-2.80000	53.00000	6.10000	-2.80000	15	-	-	Yes	Surface
Line	18 Chenies Retained Wall	-	39.00000	-13.60000	-3.50000	39.00000	6.00000	-3.50000	20	-	-	Yes	Surface
Line	Law Bdg Nth	-	21.60000	4.00000	-2.80000	21.60000	-17.00000	-2.80000	20	-	-	Yes	Surface
Line	Law Bbg Est	-	21.60000	-17.10000	-2.80000	0.00000	-17.10000	-2.80000	20	-	-	Yes	Surface

Imported Displacements

The following data points and displacements were found in the import file Xdisp1 Installation.csv.

Line No.	Coordinates			Displacements		
	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
1089	-10.000	-20.000	-2.8000	0.0	0.0	0.0
1090	-8.0000	-20.000	-2.8000	0.0	0.0	0.0
1091	-6.0000	-20.000	-2.8000	0.0	0.0	0.0
1092	-4.0000	-20.000	-2.8000	0.0	0.0	0.0
1093	-2.0000	-20.000	-2.8000	0.0	0.0	0.0
1094	0.0	-20.000	-2.8000	0.0	0.0	0.0
1095	2.0000	-20.000	-2.8000	0.0	0.0	0.0
1096	4.0000	-20.000	-2.8000	0.0	0.0	0.0
1097	6.0000	-20.000	-2.8000	0.0	0.0	0.0
1098	8.0000	-20.000	-2.8000	0.0	0.0	0.0
1099	10.000	-20.000	-2.8000	0.0	0.0	0.0
1100	12.000	-20.000	-2.8000	0.0	0.0	0.0
1101	14.000	-20.000	-2.8000	0.0	0.0	0.0
1102	16.000	-20.000	-2.8000	0.0	0.0	0.18682
1103	18.000	-20.000	-2.8000	0.0	0.0	0.38328
1104	20.000	-20.000	-2.8000	0.0044231	0.0039808	0.52491
1105	22.000	-20.000	-2.8000	0.086655	0.097487	0.59653
1106	24.000	-20.000	-2.8000	0.10890	0.16336	0.58195
1107	26.000	-20.000	-2.8000	0.078441	0.17649	0.46969
1108	28.000	-20.000	-2.8000	0.026034	0.11715	0.26454
1109	30.000	-20.000	-2.8000	0.0	0.0	0.0
1110	32.000	-20.000	-2.8000	0.0	0.0	0.0
1111	34.000	-20.000	-2.8000	0.0	0.0	0.0
1112	36.000	-20.000	-2.8000	0.0	0.0	0.0
1113	38.000	-20.000	-2.8000	0.0	0.0	0.0
1114	40.000	-20.000	-2.8000	0.0	0.0	0.0
1115	42.000	-20.000	-2.8000	0.0	0.0	0.0
1116	44.000	-20.000	-2.8000	0.0	0.0	0.0
1117	46.000	-20.000	-2.8000	0.0	0.0	0.0
1118	48.000	-20.000	-2.8000	0.0	0.0	0.0
1119	50.000	-20.000	-2.8000	0.0	0.0	0.0
1120	52.000	-20.000	-2.8000	0.0	0.0	0.0
1121	54.000	-20.000	-2.8000	0.0	0.0	0.0
1122	56.000	-20.000	-2.8000	0.0	0.0	0.0
1123	58.000	-20.000	-2.8000	0.0	0.0	0.0
1124	60.000	-20.000	-2.8000	0.0	0.0	0.0
1125	-10.000	-18.000	-2.8000	0.0	0.0	0.0
1126	-8.0000	-18.000	-2.8000	0.0	0.0	0.0
1127	-6.0000	-18.000	-2.8000	0.0	0.0	0.0
1128	-4.0000	-18.000	-2.8000	0.0	0.0	0.0
1129	-2.0000	-18.000	-2.8000	0.0	0.0	0.0
1130	0.0	-18.000	-2.8000	0.0	0.0	0.0
1131	2.0000	-18.000	-2.8000	0.0	0.0	0.0
1132	4.0000	-18.000	-2.8000	0.0	0.0	0.0
1133	6.0000	-18.000	-2.8000	0.0	0.0	0.0
1134	8.0000	-18.000	-2.8000	0.0	0.0	0.0
1135	10.000	-18.000	-2.8000	0.0	0.0	0.0
1136	12.000	-18.000	-2.8000	0.0	0.0	0.0
1137	14.000	-18.000	-2.8000	0.0	0.0	0.085506
1138	16.000	-18.000	-2.8000	0.0	0.0	0.35809
1139	18.000	-18.000	-2.8000	0.0	0.0	0.59011
1140	20.000	-18.000	-2.8000	0.12518	0.087626	0.76634
1141	22.000	-18.000	-2.8000	0.22958	0.20088	0.86509
1142	24.000	-18.000	-2.8000	0.25310	0.29528	0.85727
1143	26.000	-18.000	-2.8000	0.18514	0.32399	0.71082
1144	28.000	-18.000	-2.8000	0.064404	0.22541	0.41104
1145	30.000	-18.000	-2.8000	0.0	0.0	0.0
1146	32.000	-18.000	-2.8000	0.0	0.0	0.0
1147	34.000	-18.000	-2.8000	0.0	0.0	0.0
1148	36.000	-18.000	-2.8000	0.0	0.0	0.0
1149	38.000	-18.000	-2.8000	0.0	0.0	0.0
1150	40.000	-18.000	-2.8000	0.0	0.0	0.0
1151	42.000	-18.000	-2.8000	0.0	0.0	0.0
1152	44.000	-18.000	-2.8000	0.0	0.0	0.0
1153	46.000	-18.000	-2.8000	0.0	0.0	0.0
1154	48.000	-18.000	-2.8000	0.0	0.0	0.0
1155	50.000	-18.000	-2.8000	0.0	0.0	0.0
1156	52.000	-18.000	-2.8000	0.0	0.0	0.0
1157	54.000	-18.000	-2.8000	0.0	0.0	0.0
1158	56.000	-18.000	-2.8000	0.0	0.0	0.0
1159	58.000	-18.000	-2.8000	0.0	0.0	0.0
1160	60.000	-18.000	-2.8000	0.0	0.0	0.0
1161	-10.000	-16.000	-2.8000	0.0	0.0	0.0
1162	-8.0000	-16.000	-2.8000	0.0	0.0	0.0
1163	-6.0000	-16.000	-2.8000	0.0	0.0	0.0
1164	-4.0000	-16.000	-2.8000	0.0	0.0	0.0
1165	-2.0000	-16.000	-2.8000	0.0	0.0	0.0
1166	0.0	-16.000	-2.8000	0.0	0.0	0.0
1167	2.0000	-16.000	-2.8000	0.0	0.0	0.0
1168	4.0000	-16.000	-2.8000	0.0	0.0	0.0
1169	6.0000	-16.000	-2.8000	0.0	0.0	0.0
1170	8.0000	-16.000	-2.8000	0.0	0.0	0.0
1171	10.000	-16.000	-2.8000	0.0	0.0	0.0
1172	12.000	-16.000	-2.8000	0.0	0.0	0.0
1173	14.000	-16.000	-2.8000	0.0	0.0	0.21608
1174	16.000	-16.000	-2.8000	0.0	0.0	0.53014
1175	18.000	-16.000	-2.8000	0.067498	0.028124	0.81014
1176	20.000	-16.000	-2.8000	0.28453	0.14226	1.0403
1177	22.000	-16.000	-2.8000	0.44530	0.27831	1.1946
1178	24.000	-16.000	-2.8000	0.50999	0.42499	1.2299
1179	26.000	-16.000	-2.8000	0.41762	0.52203	1.0781
1180	28.000	-16.000	-2.8000	0.16646	0.41616	0.66134
1181	30.000	-16.000	-2.8000	0.0	0.0	0.0
1182	32.000	-16.000	-2.8000	0.0	0.0	0.0
1183	34.000	-16.000	-2.8000	0.0	0.0	0.0

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]
1184	36.000	-16.000	-2.8000	0.0	0.0	0.0
1185	38.000	-16.000	-2.8000	0.0	0.0	0.0
1186	40.000	-16.000	-2.8000	0.0	0.0	0.0
1187	42.000	-16.000	-2.8000	0.0	0.0	0.0
1188	44.000	-16.000	-2.8000	0.0	0.0	0.0
1189	46.000	-16.000	-2.8000	0.0	0.0	0.0
1190	48.000	-16.000	-2.8000	0.0	0.0	0.0
1191	50.000	-16.000	-2.8000	0.0	0.0	0.0
1192	52.000	-16.000	-2.8000	0.0	0.0	0.0
1193	54.000	-16.000	-2.8000	0.0	0.0	0.0
1194	56.000	-16.000	-2.8000	0.0	0.0	0.0
1195	58.000	-16.000	-2.8000	0.0	0.0	0.0
1196	60.000	-16.000	-2.8000	0.0	0.0	0.0
1197	-10.000	-14.000	-2.8000	0.0	0.0	0.0
1198	-8.0000	-14.000	-2.8000	0.0	0.0	0.0
1199	-6.0000	-14.000	-2.8000	0.0	0.0	0.0
1200	-4.0000	-14.000	-2.8000	0.0	0.0	0.0
1201	-2.0000	-14.000	-2.8000	0.0	0.0	0.0
1202	0.0	-14.000	-2.8000	0.0	0.0	0.0
1203	2.0000	-14.000	-2.8000	0.0	0.0	0.0
1204	4.0000	-14.000	-2.8000	0.0	0.0	0.0
1205	6.0000	-14.000	-2.8000	0.0	0.0	0.0
1206	8.0000	-14.000	-2.8000	0.0	0.0	0.0
1207	10.000	-14.000	-2.8000	0.0	0.0	0.0
1208	12.000	-14.000	-2.8000	0.0	0.0	0.0
1209	14.000	-14.000	-2.8000	0.0	0.0	0.32855
1210	16.000	-14.000	-2.8000	0.0	0.0	0.68981
1211	18.000	-14.000	-2.8000	0.17899	0.044747	1.0286
1212	20.000	-14.000	-2.8000	0.46918	0.14075	1.3325
1213	22.000	-14.000	-2.8000	0.73348	0.27506	1.5791
1214	24.000	-14.000	-2.8000	0.92876	0.46438	1.7225
1215	26.000	-14.000	-2.8000	0.92981	0.69735	1.6609
1216	28.000	-14.000	-2.8000	0.50563	0.75844	1.1662
1217	30.000	-14.000	-2.8000	0.0	0.0	0.0
1218	32.000	-14.000	-2.8000	0.0	0.0	0.0
1219	34.000	-14.000	-2.8000	0.0	0.0	0.0
1220	36.000	-14.000	-2.8000	0.0	0.0	0.0
1221	38.000	-14.000	-2.8000	0.0	0.0	0.0
1222	40.000	-14.000	-2.8000	0.0	0.0	0.0
1223	42.000	-14.000	-2.8000	0.0	0.0	0.0
1224	44.000	-14.000	-2.8000	0.0	0.0	0.0
1225	46.000	-14.000	-2.8000	0.0	0.0	0.0
1226	48.000	-14.000	-2.8000	0.0	0.0	0.0
1227	50.000	-14.000	-2.8000	0.0	0.0	0.0
1228	52.000	-14.000	-2.8000	0.0	0.0	0.0
1229	54.000	-14.000	-2.8000	0.0	0.0	0.0
1230	56.000	-14.000	-2.8000	0.0	0.0	0.0
1231	58.000	-14.000	-2.8000	0.0	0.0	0.0
1232	60.000	-14.000	-2.8000	0.0	0.0	0.0
1233	-10.000	-12.000	-2.8000	0.0	0.0	0.0
1234	-8.0000	-12.000	-2.8000	0.0	0.0	0.0
1235	-6.0000	-12.000	-2.8000	0.0	0.0	0.0
1236	-4.0000	-12.000	-2.8000	0.0	0.0	0.0
1237	-2.0000	-12.000	-2.8000	0.0	0.0	0.0
1238	0.0	-12.000	-2.8000	0.0	0.0	0.0
1239	2.0000	-12.000	-2.8000	0.0	0.0	0.0
1240	4.0000	-12.000	-2.8000	0.0	0.0	0.0
1241	6.0000	-12.000	-2.8000	0.0	0.0	0.0
1242	8.0000	-12.000	-2.8000	0.0	0.0	0.0
1243	10.000	-12.000	-2.8000	0.0	0.0	0.0
1244	12.000	-12.000	-2.8000	0.0	0.0	0.0017600
1245	14.000	-12.000	-2.8000	0.0	0.0	0.39892
1246	16.000	-12.000	-2.8000	0.0	0.0	0.79608
1247	18.000	-12.000	-2.8000	0.26011	0.031151	1.1932
1248	20.000	-12.000	-2.8000	0.62690	0.075078	1.5904
1249	22.000	-12.000	-2.8000	1.0317	0.12896	1.9805
1250	24.000	-12.000	-2.8000	1.4529	0.24215	2.3080
1251	26.000	-12.000	-2.8000	1.8464	0.46160	2.5349
1252	28.000	-12.000	-2.8000	1.8639	0.93196	2.4047
1253	30.000	-12.000	-2.8000	0.0	0.0	0.0
1254	32.000	-12.000	-2.8000	0.0	0.0	0.0
1255	34.000	-12.000	-2.8000	0.0	0.0	0.0
1256	36.000	-12.000	-2.8000	0.0	0.0	0.0
1257	38.000	-12.000	-2.8000	0.0	0.0	0.0
1258	40.000	-12.000	-2.8000	0.0	0.0	0.0
1259	42.000	-12.000	-2.8000	0.0	0.0	0.0
1260	44.000	-12.000	-2.8000	0.0	0.0	0.0
1261	46.000	-12.000	-2.8000	0.0	0.0	0.0
1262	48.000	-12.000	-2.8000	0.0	0.0	0.0
1263	50.000	-12.000	-2.8000	0.0	0.0	0.0
1264	52.000	-12.000	-2.8000	0.0	0.0	0.0
1265	54.000	-12.000	-2.8000	0.0	0.0	0.0
1266	56.000	-12.000	-2.8000	0.0	0.0	0.0
1267	58.000	-12.000	-2.8000	0.0	0.0	0.0
1268	60.000	-12.000	-2.8000	0.0	0.0	0.0
1269	-10.000	-10.000	-2.8000	0.0	0.0	0.0
1270	-8.0000	-10.000	-2.8000	0.0	0.0	0.0
1271	-6.0000	-10.000	-2.8000	0.0	0.0	0.0
1272	-4.0000	-10.000	-2.8000	0.0	0.0	0.0
1273	-2.0000	-10.000	-2.8000	0.0	0.0	0.0
1274	0.0	-10.000	-2.8000	0.0	0.0	0.0
1275	2.0000	-10.000	-2.8000	0.0	0.0	0.0
1276	4.0000	-10.000	-2.8000	0.0	0.0	0.0
1277	6.0000	-10.000	-2.8000	0.0	0.0	0.0
1278	8.0000	-10.000	-2.8000	0.0	0.0	0.0
1279	10.000	-10.000	-2.8000	0.0	0.0	0.0
1280	12.000	-10.000	-2.8000	0.0	0.0	0.049324
1281	14.000	-10.000	-2.8000	0.0	0.0	0.44649
1282	16.000	-10.000	-2.8000	0.0	0.0	0.84365
1283	18.000	-10.000	-2.8000	0.30261	0.036241	1.2408
1284	20.000	-10.000	-2.8000	0.67318	0.080621	1.6380
1285	22.000	-10.000	-2.8000	1.0890	0.13042	2.0351
1286	24.000	-10.000	-2.8000	1.5746	0.18857	2.4323
1287	26.000	-10.000	-2.8000	2.1544	0.25801	2.8295
1288	28.000	-10.000	-2.8000	2.8528	0.34166	3.2266
1289	30.000	-10.000	-2.8000	0.0	0.0	0.0
1290	32.000	-10.000	-2.8000	0.0	0.0	0.0
1291	34.000	-10.000	-2.8000	0.0	0.0	0.0
1292	36.000	-10.000	-2.8000	0.0	0.0	0.0
1293	38.000	-10.000	-2.8000	0.0	0.0	0.0
1294	40.000	-10.000	-2.8000	0.0	0.0	0.0
1295	42.000	-10.000	-2.8000	0.0	0.0	0.0
1296	44.000	-10.000	-2.8000	0.0	0.0	0.0
1297	46.000	-10.000	-2.8000	0.0	0.0	0.0
1298	48.000	-10.000	-2.8000	0.0	0.0	0.0
1299	50.000	-10.000	-2.8000	0.0	0.0	0.0
1300	52.000	-10.000	-2.8000	0.0	0.0	0.0
1301	54.000	-10.000	-2.8000	0.0	0.0	0.0
1302	56.000	-10.000	-2.8000	0.0	0.0	0.0
1303	58.000	-10.000	-2.8000	0.0	0.0	0.0
1304	60.000	-10.000	-2.8000	0.0	0.0	0.0
1305	-10.000	-8.0000	-2.8000	0.0	0.0	0.0
1306	-8.0000	-8.0000	-2.8000	0.0	0.0	0.0
1307	-6.0000	-8.0000	-2.8000	0.0	0.0	0.0
1308	-4.0000	-8.0000	-2.8000	0.0	0.0	0.0
1309	-2.0000	-8.0000	-2.8000	0.0	0.0	0.0
1310	0.0	-8.0000	-2.8000	0.0	0.0	0.0
1311	2.0000	-8.0000	-2.8000	0.0	0.0	0.0

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]
1312	4.0000	-8.0000	-2.8000	0.0	0.0	0.0
1313	6.0000	-8.0000	-2.8000	0.0	0.0	0.0
1314	8.0000	-8.0000	-2.8000	0.0	0.0	0.0
1315	10.000	-8.0000	-2.8000	0.0	0.0	0.0
1316	12.000	-8.0000	-2.8000	0.0	0.0	0.096889
1317	14.000	-8.0000	-2.8000	0.0	0.0	0.49405
1318	16.000	-8.0000	-2.8000	0.0	0.0	0.89121
1319	18.000	-8.0000	-2.8000	0.34542	0.041367	1.2884
1320	20.000	-8.0000	-2.8000	0.72012	0.086242	1.6855
1321	22.000	-8.0000	-2.8000	1.1430	0.13689	2.0827
1322	24.000	-8.0000	-2.8000	1.6386	0.19624	2.4799
1323	26.000	-8.0000	-2.8000	2.2313	0.26722	2.8770
1324	28.000	-8.0000	-2.8000	2.9456	0.35277	3.2742
1325	30.000	-8.0000	-2.8000	0.0	0.0	0.0
1326	32.000	-8.0000	-2.8000	0.0	0.0	0.0
1327	34.000	-8.0000	-2.8000	0.0	0.0	0.0
1328	36.000	-8.0000	-2.8000	0.0	0.0	0.0
1329	38.000	-8.0000	-2.8000	0.0	0.0	0.0
1330	40.000	-8.0000	-2.8000	0.0	0.0	0.0
1331	42.000	-8.0000	-2.8000	0.0	0.0	0.0
1332	44.000	-8.0000	-2.8000	0.0	0.0	0.0
1333	46.000	-8.0000	-2.8000	0.0	0.0	0.0
1334	48.000	-8.0000	-2.8000	0.0	0.0	0.0
1335	50.000	-8.0000	-2.8000	0.0	0.0	0.0
1336	52.000	-8.0000	-2.8000	0.0	0.0	0.0
1337	54.000	-8.0000	-2.8000	0.0	0.0	0.0
1338	56.000	-8.0000	-2.8000	0.0	0.0	0.0
1339	58.000	-8.0000	-2.8000	0.0	0.0	0.0
1340	60.000	-8.0000	-2.8000	0.0	0.0	0.0
1341	-10.000	-6.0000	-2.8000	0.0	0.0	0.0
1342	-8.0000	-6.0000	-2.8000	0.0	0.0	0.0
1343	-6.0000	-6.0000	-2.8000	0.0	0.0	0.0
1344	-4.0000	-6.0000	-2.8000	0.0	0.0	0.0
1345	-2.0000	-6.0000	-2.8000	0.0	0.0	0.0
1346	0.0	-6.0000	-2.8000	0.0	0.0	0.0
1347	2.0000	-6.0000	-2.8000	0.0	0.0	0.0
1348	4.0000	-6.0000	-2.8000	0.0	0.0	0.0
1349	6.0000	-6.0000	-2.8000	0.0	0.0	0.0
1350	8.0000	-6.0000	-2.8000	0.0	0.0	0.0
1351	10.000	-6.0000	-2.8000	0.0	0.0	0.0
1352	12.000	-6.0000	-2.8000	0.0	0.0	0.14445
1353	14.000	-6.0000	-2.8000	0.0	0.0	0.54161
1354	16.000	-6.0000	-2.8000	0.036033	0.0043153	0.93878
1355	18.000	-6.0000	-2.8000	0.38856	0.046534	1.3359
1356	20.000	-6.0000	-2.8000	0.76774	0.091945	1.7331
1357	22.000	-6.0000	-2.8000	1.1981	0.14348	2.1303
1358	24.000	-6.0000	-2.8000	1.7040	0.20407	2.5274
1359	26.000	-6.0000	-2.8000	2.3099	0.27664	2.9246
1360	28.000	-6.0000	-2.8000	3.0405	0.36413	3.3217
1361	30.000	-6.0000	-2.8000	0.0	0.0	0.0
1362	32.000	-6.0000	-2.8000	0.0	0.0	0.0
1363	34.000	-6.0000	-2.8000	0.0	0.0	0.0
1364	36.000	-6.0000	-2.8000	0.0	0.0	0.0
1365	38.000	-6.0000	-2.8000	0.0	0.0	0.0
1366	40.000	-6.0000	-2.8000	0.0	0.0	0.0
1367	42.000	-6.0000	-2.8000	0.0	0.0	0.0
1368	44.000	-6.0000	-2.8000	0.0	0.0	0.0
1369	46.000	-6.0000	-2.8000	0.0	0.0	0.0
1370	48.000	-6.0000	-2.8000	0.0	0.0	0.0
1371	50.000	-6.0000	-2.8000	0.0	0.0	0.0
1372	52.000	-6.0000	-2.8000	0.0	0.0	0.0
1373	54.000	-6.0000	-2.8000	0.0	0.0	0.0
1374	56.000	-6.0000	-2.8000	0.0	0.0	0.0
1375	58.000	-6.0000	-2.8000	0.0	0.0	0.0
1376	60.000	-6.0000	-2.8000	0.0	0.0	0.0
1377	-10.000	-4.0000	-2.8000	0.0	0.0	0.0
1378	-8.0000	-4.0000	-2.8000	0.0	0.0	0.0
1379	-6.0000	-4.0000	-2.8000	0.0	0.0	0.0
1380	-4.0000	-4.0000	-2.8000	0.0	0.0	0.0
1381	-2.0000	-4.0000	-2.8000	0.0	0.0	0.0
1382	0.0	-4.0000	-2.8000	0.0	0.0	0.0
1383	2.0000	-4.0000	-2.8000	0.0	0.0	0.0
1384	4.0000	-4.0000	-2.8000	0.0	0.0	0.0
1385	6.0000	-4.0000	-2.8000	0.0	0.0	0.0
1386	8.0000	-4.0000	-2.8000	0.0	0.0	0.0
1387	10.000	-4.0000	-2.8000	0.0	0.0	0.0
1388	12.000	-4.0000	-2.8000	0.0	0.0	0.19202
1389	14.000	-4.0000	-2.8000	0.0	0.0	0.58918
1390	16.000	-4.0000	-2.8000	0.077655	0.0092999	0.98634
1391	18.000	-4.0000	-2.8000	0.43208	0.051747	1.3835
1392	20.000	-4.0000	-2.8000	0.81610	0.097737	1.7807
1393	22.000	-4.0000	-2.8000	1.2542	0.15020	2.1778
1394	24.000	-4.0000	-2.8000	1.7708	0.21207	2.5750
1395	26.000	-4.0000	-2.8000	2.3904	0.28627	2.9722
1396	28.000	-4.0000	-2.8000	3.1375	0.37574	3.3693
1397	30.000	-4.0000	-2.8000	0.0	0.0	0.0
1398	32.000	-4.0000	-2.8000	0.0	0.0	0.0
1399	34.000	-4.0000	-2.8000	0.0	0.0	0.0
1400	36.000	-4.0000	-2.8000	0.0	0.0	0.0
1401	38.000	-4.0000	-2.8000	0.0	0.0	0.0
1402	40.000	-4.0000	-2.8000	0.0	0.0	0.0
1403	42.000	-4.0000	-2.8000	0.0	0.0	0.0
1404	44.000	-4.0000	-2.8000	0.0	0.0	0.0
1405	46.000	-4.0000	-2.8000	0.0	0.0	0.0
1406	48.000	-4.0000	-2.8000	0.0	0.0	0.0
1407	50.000	-4.0000	-2.8000	0.0	0.0	0.0
1408	52.000	-4.0000	-2.8000	0.0	0.0	0.0
1409	54.000	-4.0000	-2.8000	0.0	0.0	0.0
1410	56.000	-4.0000	-2.8000	0.0	0.0	0.0
1411	58.000	-4.0000	-2.8000	0.0	0.0	0.0
1412	60.000	-4.0000	-2.8000	0.0	0.0	0.0
1413	-10.000	-2.0000	-2.8000	0.0	0.0	0.0
1414	-8.0000	-2.0000	-2.8000	0.0	0.0	0.0
1415	-6.0000	-2.0000	-2.8000	0.0	0.0	0.0
1416	-4.0000	-2.0000	-2.8000	0.0	0.0	0.0
1417	-2.0000	-2.0000	-2.8000	0.0	0.0	0.0
1418	0.0	-2.0000	-2.8000	0.0	0.0	0.0
1419	2.0000	-2.0000	-2.8000	0.0	0.0	0.0
1420	4.0000	-2.0000	-2.8000	0.0	0.0	0.0
1421	6.0000	-2.0000	-2.8000	0.0	0.0	0.0
1422	8.0000	-2.0000	-2.8000	0.0	0.0	0.0
1423	10.000	-2.0000	-2.8000	0.0	0.0	0.0
1424	12.000	-2.0000	-2.8000	0.0	0.0	0.23958
1425	14.000	-2.0000	-2.8000	0.0	0.0	0.63674
1426	16.000	-2.0000	-2.8000	0.11935	0.014293	1.0339
1427	18.000	-2.0000	-2.8000	0.47603	0.057010	1.4311
1428	20.000	-2.0000	-2.8000	0.86523	0.10362	1.8282
1429	22.000	-2.0000	-2.8000	1.3114	0.15706	2.2254
1430	24.000	-2.0000	-2.8000	1.8391	0.22025	2.6226
1431	26.000	-2.0000	-2.8000	2.4727	0.29613	3.0197
1432	28.000	-2.0000	-2.8000	3.2366	0.38762	3.4169
1433	30.000	-2.0000	-2.8000	0.0	0.0	0.0
1434	32.000	-2.0000	-2.8000	0.0	0.0	0.0
1435	34.000	-2.0000	-2.8000	0.0	0.0	0.0
1436	36.000	-2.0000	-2.8000	0.0	0.0	0.0
1437	38.000	-2.0000	-2.8000	0.0	0.0	0.0
1438	40.000	-2.0000	-2.8000	0.0	0.0	0.0
1439	42.000	-2.0000	-2.8000	0.0	0.0	0.0

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1440	44.000	-2.0000	-2.8000	0.0	0.0	0.0	
1441	46.000	-2.0000	-2.8000	0.0	0.0	0.0	
1442	48.000	-2.0000	-2.8000	0.0	0.0	0.0	
1443	50.000	-2.0000	-2.8000	0.0	0.0	0.0	
1444	52.000	-2.0000	-2.8000	0.0	0.0	0.0	
1445	54.000	-2.0000	-2.8000	0.0	0.0	0.0	
1446	56.000	-2.0000	-2.8000	0.0	0.0	0.0	
1447	58.000	-2.0000	-2.8000	0.0	0.0	0.0	
1448	60.000	-2.0000	-2.8000	0.0	0.0	0.0	
1449	-10.000	0.0	-2.8000	0.0	0.0	0.0	
1450	-8.0000	0.0	-2.8000	0.0	0.0	0.0	
1451	-6.0000	0.0	-2.8000	0.0	0.0	0.0	
1452	-4.0000	0.0	-2.8000	0.0	0.0	0.0	
1453	-2.0000	0.0	-2.8000	0.0	0.0	0.0	
1454	0.0	0.0	-2.8000	0.0	0.0	0.0	
1455	2.0000	0.0	-2.8000	0.0	0.0	0.0	
1456	4.0000	0.0	-2.8000	0.0	0.0	0.0	
1457	6.0000	0.0	-2.8000	0.0	0.0	0.0	
1458	8.0000	0.0	-2.8000	0.0	0.0	0.0	
1459	10.000	0.0	-2.8000	0.0	0.0	0.0	
1460	12.000	0.0	-2.8000	0.0	0.0	0.28715	
1461	14.000	0.0	-2.8000	0.0	0.0	0.68431	
1462	16.000	0.0	-2.8000	0.16116	0.019301	1.0815	
1463	18.000	0.0	-2.8000	0.52045	0.062329	1.4786	
1464	20.000	0.0	-2.8000	0.91519	0.10960	1.8758	
1465	22.000	0.0	-2.8000	1.3698	0.16405	2.2730	
1466	24.000	0.0	-2.8000	1.9089	0.22861	2.6701	
1467	26.000	0.0	-2.8000	2.5568	0.30620	3.0673	
1468	28.000	0.0	-2.8000	3.3380	0.39977	3.4644	
1469	30.000	0.0	-2.8000	0.0	0.0	0.0	
1470	32.000	0.0	-2.8000	0.0	0.0	0.0	
1471	34.000	0.0	-2.8000	0.0	0.0	0.0	
1472	36.000	0.0	-2.8000	0.0	0.0	0.0	
1473	38.000	0.0	-2.8000	0.0	0.0	0.0	
1474	40.000	0.0	-2.8000	0.0	0.0	0.0	
1475	42.000	0.0	-2.8000	0.0	0.0	0.0	
1476	44.000	0.0	-2.8000	0.0	0.0	0.0	
1477	46.000	0.0	-2.8000	0.0	0.0	0.0	
1478	48.000	0.0	-2.8000	0.0	0.0	0.0	
1479	50.000	0.0	-2.8000	0.0	0.0	0.0	
1480	52.000	0.0	-2.8000	0.0	0.0	0.0	
1481	54.000	0.0	-2.8000	0.0	0.0	0.0	
1482	56.000	0.0	-2.8000	0.0	0.0	0.0	
1483	58.000	0.0	-2.8000	0.0	0.0	0.0	
1484	60.000	0.0	-2.8000	0.0	0.0	0.0	
1485	-10.000	2.0000	-2.8000	0.0	0.0	0.0	
1486	-8.0000	2.0000	-2.8000	0.0	0.0	0.0	
1487	-6.0000	2.0000	-2.8000	0.0	0.0	0.0	
1488	-4.0000	2.0000	-2.8000	0.0	0.0	0.0	
1489	-2.0000	2.0000	-2.8000	0.0	0.0	0.0	
1490	0.0	2.0000	-2.8000	0.0	0.0	0.0	
1491	2.0000	2.0000	-2.8000	0.0	0.0	0.0	
1492	4.0000	2.0000	-2.8000	0.0	0.0	0.0	
1493	6.0000	2.0000	-2.8000	0.0	0.0	0.0	
1494	8.0000	2.0000	-2.8000	0.0	0.0	0.0	
1495	10.000	2.0000	-2.8000	0.0	0.0	0.0	
1496	12.000	2.0000	-2.8000	0.0	0.0	0.33471	
1497	14.000	2.0000	-2.8000	0.0	0.0	0.73187	
1498	16.000	2.0000	-2.8000	0.20313	0.024327	1.1290	
1499	18.000	2.0000	-2.8000	0.56537	0.067709	1.5262	
1500	20.000	2.0000	-2.8000	0.96600	0.11569	1.9234	
1501	22.000	2.0000	-2.8000	1.4295	0.17119	2.3205	
1502	24.000	2.0000	-2.8000	1.9803	0.23716	2.7177	
1503	26.000	2.0000	-2.8000	2.6429	0.31651	3.1148	
1504	28.000	2.0000	-2.8000	3.4417	0.41218	3.5120	
1505	30.000	2.0000	-2.8000	0.0	0.0	0.0	
1506	32.000	2.0000	-2.8000	0.0	0.0	0.0	
1507	34.000	2.0000	-2.8000	0.0	0.0	0.0	
1508	36.000	2.0000	-2.8000	0.0	0.0	0.0	
1509	38.000	2.0000	-2.8000	0.0	0.0	0.0	
1510	40.000	2.0000	-2.8000	0.0	0.0	0.0	
1511	42.000	2.0000	-2.8000	0.0	0.0	0.0	
1512	44.000	2.0000	-2.8000	0.0	0.0	0.0	
1513	46.000	2.0000	-2.8000	0.0	0.0	0.0	
1514	48.000	2.0000	-2.8000	0.0	0.0	0.0	
1515	50.000	2.0000	-2.8000	0.0	0.0	0.0	
1516	52.000	2.0000	-2.8000	0.0	0.0	0.0	
1517	54.000	2.0000	-2.8000	0.0	0.0	0.0	
1518	56.000	2.0000	-2.8000	0.0	0.0	0.0	
1519	58.000	2.0000	-2.8000	0.0	0.0	0.0	
1520	60.000	2.0000	-2.8000	0.0	0.0	0.0	
1521	-10.000	4.0000	-2.8000	0.0	0.0	0.0	
1522	-8.0000	4.0000	-2.8000	0.0	0.0	0.0	
1523	-6.0000	4.0000	-2.8000	0.0	0.0	0.0	
1524	-4.0000	4.0000	-2.8000	0.0	0.0	0.0	
1525	-2.0000	4.0000	-2.8000	0.0	0.0	0.0	
1526	0.0	4.0000	-2.8000	0.0	0.0	0.0	
1527	2.0000	4.0000	-2.8000	0.0	0.0	0.0	
1528	4.0000	4.0000	-2.8000	0.0	0.0	0.0	
1529	6.0000	4.0000	-2.8000	0.0	0.0	0.0	
1530	8.0000	4.0000	-2.8000	0.0	0.0	0.0	
1531	10.000	4.0000	-2.8000	0.0	0.0	0.0	
1532	12.000	4.0000	-2.8000	0.0	0.0	0.37897	
1533	14.000	4.0000	-2.8000	0.0	0.0	0.77944	
1534	16.000	4.0000	-2.8000	0.24530	0.029377	1.1766	
1535	18.000	4.0000	-2.8000	0.61085	0.073155	1.5738	
1536	20.000	4.0000	-2.8000	1.0177	0.12188	1.9709	
1537	22.000	4.0000	-2.8000	1.4904	0.17849	2.3681	
1538	24.000	4.0000	-2.8000	2.0532	0.24590	2.7652	
1539	26.000	4.0000	-2.8000	2.7309	0.32705	3.1624	
1540	28.000	4.0000	-2.8000	3.5477	0.42487	3.5596	
1541	30.000	4.0000	-2.8000	0.0	0.0	0.0	
1542	32.000	4.0000	-2.8000	0.0	0.0	0.0	
1543	34.000	4.0000	-2.8000	0.0	0.0	0.0	
1544	36.000	4.0000	-2.8000	0.0	0.0	0.0	
1545	38.000	4.0000	-2.8000	0.0	0.0	0.0	
1546	40.000	4.0000	-2.8000	0.0	0.0	0.0	
1547	42.000	4.0000	-2.8000	0.0	0.0	0.0	
1548	44.000	4.0000	-2.8000	0.0	0.0	0.0	
1549	46.000	4.0000	-2.8000	0.0	0.0	0.0	
1550	48.000	4.0000	-2.8000	0.0	0.0	0.0	
1551	50.000	4.0000	-2.8000	0.0	0.0	0.0	
1552	52.000	4.0000	-2.8000	0.0	0.0	0.0	
1553	54.000	4.0000	-2.8000	0.0	0.0	0.0	
1554	56.000	4.0000	-2.8000	0.0	0.0	0.0	
1555	58.000	4.0000	-2.8000	0.0	0.0	0.0	
1556	60.000	4.0000	-2.8000	0.0	0.0	0.0	
1557	-10.000	6.0000	-2.8000	0.0	0.0	0.0	
1558	-8.0000	6.0000	-2.8000	0.0	0.0	0.0	
1559	-6.0000	6.0000	-2.8000	0.0	0.0	0.0	
1560	-4.0000	6.0000	-2.8000	0.0	0.0	0.0	
1561	-2.0000	6.0000	-2.8000	0.0	0.0	0.0	
1562	0.0	6.0000	-2.8000	0.0	0.0	0.0	
1563	2.0000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
1564	4.0000	6.0000	-2.8000	0.0	0.0	0.0	
1565	6.0000	6.0000	-2.8000	0.0	0.0	0.0	
1566	8.0000	6.0000	-2.8000	0.0	0.0	0.0	
1567	10.000	6.0000	-2.8000	0.0	0.0	0.0	

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1568	12.000	6.0000	-2.8000	0.0	0.0	0.36683	
1569	14.000	6.0000	-2.8000	0.0	0.0	0.73285	
1570	16.000	6.0000	-2.8000	0.24447	-0.0061118	1.0969	
1571	18.000	6.0000	-2.8000	0.58311	-0.017493	1.4579	
1572	20.000	6.0000	-2.8000	0.95745	-0.035904	1.8136	
1573	22.000	6.0000	-2.8000	1.3849	-0.069247	2.1584	
1574	24.000	6.0000	-2.8000	1.8705	-0.14029	2.4765	
1575	26.000	6.0000	-2.8000	2.3408	-0.35112	2.6886	
1576	28.000	6.0000	-2.8000	0.0	0.0	0.0	
1577	30.000	6.0000	-2.8000	0.0	0.0	0.0	
1578	32.000	6.0000	-2.8000	0.0	0.0	0.0	
1579	34.000	6.0000	-2.8000	0.0	0.0	0.0	
1580	36.000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
1581	38.000	6.0000	-2.8000	0.0	0.0	0.0	
1582	40.000	6.0000	-2.8000	0.0	0.0	0.0	
1583	42.000	6.0000	-2.8000	0.0	0.0	0.0	
1584	44.000	6.0000	-2.8000	0.0	0.0	0.0	
1585	46.000	6.0000	-2.8000	0.0	0.0	0.0	
1586	48.000	6.0000	-2.8000	0.0	0.0	0.0	
1587	50.000	6.0000	-2.8000	0.0	0.0	0.0	
1588	52.000	6.0000	-2.8000	0.0	0.0	0.0	
1589	54.000	6.0000	-2.8000	0.0	0.0	0.0	
1590	56.000	6.0000	-2.8000	0.0	0.0	0.0	
1591	58.000	6.0000	-2.8000	0.0	0.0	0.0	
1592	60.000	6.0000	-2.8000	0.0	0.0	0.0	
1593	-10.000	8.0000	-2.8000	0.0	0.0	0.0	
1594	-8.0000	8.0000	-2.8000	0.0	0.0	0.0	
1595	-6.0000	8.0000	-2.8000	0.0	0.0	0.0	
1596	-4.0000	8.0000	-2.8000	0.0	0.0	0.0	
1597	-2.0000	8.0000	-2.8000	0.0	0.0	0.0	
1598	0.0	8.0000	-2.8000	0.0	0.0	0.0	
1599	2.0000	8.0000	-2.8000	0.0	0.0	0.0	
1600	4.0000	8.0000	-2.8000	0.0	0.0	0.0	
1601	6.0000	8.0000	-2.8000	0.0	0.0	0.0	
1602	8.0000	8.0000	-2.8000	0.0	0.0	0.0	
1603	10.000	8.0000	-2.8000	0.0	0.0	0.0	
1604	12.000	8.0000	-2.8000	0.0	0.0	0.31020	
1605	14.000	8.0000	-2.8000	0.0	0.0	0.63523	
1606	16.000	8.0000	-2.8000	0.18377	-0.035223	0.94519	
1607	18.000	8.0000	-2.8000	0.45762	-0.10525	1.2316	
1608	20.000	8.0000	-2.8000	0.72363	-0.20804	1.4781	
1609	22.000	8.0000	-2.8000	0.95350	-0.36551	1.6502	
1610	24.000	8.0000	-2.8000	1.0402	-0.59810	1.6617	
1611	26.000	8.0000	-2.8000	0.67783	-0.77950	1.2665	
1612	28.000	8.0000	-2.8000	0.0	0.0	0.0	
1613	30.000	8.0000	-2.8000	0.0	0.0	0.0	
1614	32.000	8.0000	-2.8000	0.0	0.0	0.0	
1615	34.000	8.0000	-2.8000	0.0	0.0	0.0	
1616	36.000	8.0000	-2.8000	0.0	0.0	0.0	
1617	38.000	8.0000	-2.8000	0.0	0.0	0.0	
1618	40.000	8.0000	-2.8000	0.0	0.0	0.0	
1619	42.000	8.0000	-2.8000	0.0	0.0	0.0	
1620	44.000	8.0000	-2.8000	0.0	0.0	0.0	
1621	46.000	8.0000	-2.8000	0.0	0.0	0.0	
1622	48.000	8.0000	-2.8000	0.0	0.0	0.0	
1623	50.000	8.0000	-2.8000	0.0	0.0	0.0	
1624	52.000	8.0000	-2.8000	0.0	0.0	0.0	
1625	54.000	8.0000	-2.8000	0.0	0.0	0.0	
1626	56.000	8.0000	-2.8000	0.0	0.0	0.0	
1627	58.000	8.0000	-2.8000	0.0	0.0	0.0	
1628	60.000	8.0000	-2.8000	0.0	0.0	0.0	
1629	-10.000	10.000	-2.8000	0.0	0.0	0.0	
1630	-8.0000	10.000	-2.8000	0.0	0.0	0.0	
1631	-6.0000	10.000	-2.8000	0.0	0.0	0.0	
1632	-4.0000	10.000	-2.8000	0.0	0.0	0.0	
1633	-2.0000	10.000	-2.8000	0.0	0.0	0.0	
1634	0.0	10.000	-2.8000	0.0	0.0	0.0	
1635	2.0000	10.000	-2.8000	0.0	0.0	0.0	
1636	4.0000	10.000	-2.8000	0.0	0.0	0.0	
1637	6.0000	10.000	-2.8000	0.0	0.0	0.0	
1638	8.0000	10.000	-2.8000	0.0	0.0	0.0	
1639	10.000	10.000	-2.8000	0.0	0.0	0.0	
1640	12.000	10.000	-2.8000	0.0	0.0	0.22175	
1641	14.000	10.000	-2.8000	0.0	0.0	0.50529	
1642	16.000	10.000	-2.8000	0.092208	-0.033041	0.76258	
1643	18.000	10.000	-2.8000	0.29873	-0.12845	0.98065	
1644	20.000	10.000	-2.8000	0.46329	-0.24902	1.1372	
1645	22.000	10.000	-2.8000	0.54718	-0.39214	1.1925	
1646	24.000	10.000	-2.8000	0.47611	-0.51182	1.0753	
1647	26.000	10.000	-2.8000	0.20586	-0.44260	0.68305	
1648	28.000	10.000	-2.8000	0.0	0.0	0.0	
1649	30.000	10.000	-2.8000	0.0	0.0	0.0	
1650	32.000	10.000	-2.8000	0.0	0.0	0.0	
1651	34.000	10.000	-2.8000	0.0	0.0	0.0	
1652	36.000	10.000	-2.8000	0.0	0.0	0.0	
1653	38.000	10.000	-2.8000	0.0	0.0	0.0	
1654	40.000	10.000	-2.8000	0.0	0.0	0.0	
1655	42.000	10.000	-2.8000	0.0	0.0	0.0	
1656	44.000	10.000	-2.8000	0.0	0.0	0.0	
1657	46.000	10.000	-2.8000	0.0	0.0	0.0	
1658	48.000	10.000	-2.8000	0.0	0.0	0.0	
1659	50.000	10.000	-2.8000	0.0	0.0	0.0	
1660	52.000	10.000	-2.8000	0.0	0.0	0.0	
1661	54.000	10.000	-2.8000	0.0	0.0	0.0	
1662	56.000	10.000	-2.8000	0.0	0.0	0.0	
1663	58.000	10.000	-2.8000	0.0	0.0	0.0	
1664	60.000	10.000	-2.8000	0.0	0.0	0.0	
1665	-10.000	12.000	-2.8000	0.0	0.0	0.0	
1666	-8.0000	12.000	-2.8000	0.0	0.0	0.0	
1667	-6.0000	12.000	-2.8000	0.0	0.0	0.0	
1668	-4.0000	12.000	-2.8000	0.0	0.0	0.0	
1669	-2.0000	12.000	-2.8000	0.0	0.0	0.0	
1670	0.0	12.000	-2.8000	0.0	0.0	0.0	
1671	2.0000	12.000	-2.8000	0.0	0.0	0.0	
1672	4.0000	12.000	-2.8000	0.0	0.0	0.0	
1673	6.0000	12.000	-2.8000	0.0	0.0	0.0	
1674	8.0000	12.000	-2.8000	0.0	0.0	0.0	
1675	10.000	12.000	-2.8000	0.0	0.0	0.0	
1676	12.000	12.000	-2.8000	0.0	0.0	0.11382	
1677	14.000	12.000	-2.8000	0.0	0.0	0.35971	
1678	16.000	12.000	-2.8000	0.0	0.0	0.57222	
1679	18.000	12.000	-2.8000	0.15179	-0.095630	0.73778	
1680	20.000	12.000	-2.8000	0.25426	-0.20023	0.83605	
1681	22.000	12.000	-2.8000	0.28103	-0.29508	0.83757	
1682	24.000	12.000	-2.8000	0.21171	-0.33344	0.70545	
1683	26.000	12.000	-2.8000	0.076280	-0.24028	0.41436	
1684	28.000	12.000	-2.8000	0.0	0.0	0.0	
1685	30.000	12.000	-2.8000	0.0	0.0	0.0	
1686	32.000	12.000	-2.8000	0.0	0.0	0.0	
1687	34.000	12.000	-2.8000	0.0	0.0	0.0	
1688	36.000	12.000	-2.8000	0.0	0.0	0.0	
1689	38.000	12.000	-2.8000	0.0	0.0	0.0	
1690	40.000	12.000	-2.8000	0.0	0.0	0.0	
1691	42.000	12.000	-2.8000	0.0	0.0	0.0	
1692	44.000	12.000	-2.8000	0.0	0.0	0.0	
1693	46.000	12.000	-2.8000	0.0	0.0	0.0	
1694	48.000	12.000	-2.8000	0.0	0.0	0.0	
1695	50.000	12.000	-2.8000	0.0	0.0	0.0	

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]
1696	52.000	12.000	-2.8000	0.0	0.0	0.0
1697	54.000	12.000	-2.8000	0.0	0.0	0.0
1698	56.000	12.000	-2.8000	0.0	0.0	0.0
1699	58.000	12.000	-2.8000	0.0	0.0	0.0
1700	60.000	12.000	-2.8000	0.0	0.0	0.0
1701	-10.000	14.000	-2.8000	0.0	0.0	0.0
1702	-8.0000	14.000	-2.8000	0.0	0.0	0.0
1703	-6.0000	14.000	-2.8000	0.0	0.0	0.0
1704	-4.0000	14.000	-2.8000	0.0	0.0	0.0
1705	-2.0000	14.000	-2.8000	0.0	0.0	0.0
1706	0.0	14.000	-2.8000	0.0	0.0	0.0
1707	2.0000	14.000	-2.8000	0.0	0.0	0.0
1708	4.0000	14.000	-2.8000	0.0	0.0	0.0
1709	6.0000	14.000	-2.8000	0.0	0.0	0.0
1710	8.0000	14.000	-2.8000	0.0	0.0	0.0
1711	10.000	14.000	-2.8000	0.0	0.0	0.0
1712	12.000	14.000	-2.8000	0.0	0.0	0.0
1713	14.000	14.000	-2.8000	0.0	0.0	0.21137
1714	16.000	14.000	-2.8000	0.0	0.0	0.38962
1715	18.000	14.000	-2.8000	0.036382	-0.030197	0.51999
1716	20.000	14.000	-2.8000	0.11131	-0.11548	0.58748
1717	22.000	14.000	-2.8000	0.12886	-0.17826	0.57470
1718	24.000	14.000	-2.8000	0.092050	-0.19100	0.46697
1719	26.000	14.000	-2.8000	0.030796	-0.12780	0.26479
1720	28.000	14.000	-2.8000	0.0	0.0	0.0
1721	30.000	14.000	-2.8000	0.0	0.0	0.0
1722	32.000	14.000	-2.8000	0.0	0.0	0.0
1723	34.000	14.000	-2.8000	0.0	0.0	0.0
1724	36.000	14.000	-2.8000	0.0	0.0	0.0
1725	38.000	14.000	-2.8000	0.0	0.0	0.0
1726	40.000	14.000	-2.8000	0.0	0.0	0.0
1727	42.000	14.000	-2.8000	0.0	0.0	0.0
1728	44.000	14.000	-2.8000	0.0	0.0	0.0
1729	46.000	14.000	-2.8000	0.0	0.0	0.0
1730	48.000	14.000	-2.8000	0.0	0.0	0.0
1731	50.000	14.000	-2.8000	0.0	0.0	0.0
1732	52.000	14.000	-2.8000	0.0	0.0	0.0
1733	54.000	14.000	-2.8000	0.0	0.0	0.0
1734	56.000	14.000	-2.8000	0.0	0.0	0.0
1735	58.000	14.000	-2.8000	0.0	0.0	0.0
1736	60.000	14.000	-2.8000	0.0	0.0	0.0
1737	-10.000	16.000	-2.8000	0.0	0.0	0.0
1738	-8.0000	16.000	-2.8000	0.0	0.0	0.0
1739	-6.0000	16.000	-2.8000	0.0	0.0	0.0
1740	-4.0000	16.000	-2.8000	0.0	0.0	0.0
1741	-2.0000	16.000	-2.8000	0.0	0.0	0.0
1742	0.0	16.000	-2.8000	0.0	0.0	0.0
1743	2.0000	16.000	-2.8000	0.0	0.0	0.0
1744	4.0000	16.000	-2.8000	0.0	0.0	0.0
1745	6.0000	16.000	-2.8000	0.0	0.0	0.0
1746	8.0000	16.000	-2.8000	0.0	0.0	0.0
1747	10.000	16.000	-2.8000	0.0	0.0	0.0
1748	12.000	16.000	-2.8000	0.0	0.0	0.0
1749	14.000	16.000	-2.8000	0.0	0.0	0.068632
1750	16.000	16.000	-2.8000	0.0	0.0	0.22284
1751	18.000	16.000	-2.8000	0.0	0.0	0.33234
1752	20.000	16.000	-2.8000	0.019864	-0.025575	0.38748
1753	22.000	16.000	-2.8000	0.044364	-0.076157	0.37952
1754	24.000	16.000	-2.8000	0.035016	-0.090165	0.30469
1755	26.000	16.000	-2.8000	0.011808	-0.060813	0.17040
1756	28.000	16.000	-2.8000	0.0	0.0	0.0
1757	30.000	16.000	-2.8000	0.0	0.0	0.0
1758	32.000	16.000	-2.8000	0.0	0.0	0.0
1759	34.000	16.000	-2.8000	0.0	0.0	0.0
1760	36.000	16.000	-2.8000	0.0	0.0	0.0
1761	38.000	16.000	-2.8000	0.0	0.0	0.0
1762	40.000	16.000	-2.8000	0.0	0.0	0.0
1763	42.000	16.000	-2.8000	0.0	0.0	0.0
1764	44.000	16.000	-2.8000	0.0	0.0	0.0
1765	46.000	16.000	-2.8000	0.0	0.0	0.0
1766	48.000	16.000	-2.8000	0.0	0.0	0.0
1767	50.000	16.000	-2.8000	0.0	0.0	0.0
1768	52.000	16.000	-2.8000	0.0	0.0	0.0
1769	54.000	16.000	-2.8000	0.0	0.0	0.0
1770	56.000	16.000	-2.8000	0.0	0.0	0.0
1771	58.000	16.000	-2.8000	0.0	0.0	0.0
1772	60.000	16.000	-2.8000	0.0	0.0	0.0
1773	-10.000	18.000	-2.8000	0.0	0.0	0.0
1774	-8.0000	18.000	-2.8000	0.0	0.0	0.0
1775	-6.0000	18.000	-2.8000	0.0	0.0	0.0
1776	-4.0000	18.000	-2.8000	0.0	0.0	0.0
1777	-2.0000	18.000	-2.8000	0.0	0.0	0.0
1778	0.0	18.000	-2.8000	0.0	0.0	0.0
1779	2.0000	18.000	-2.8000	0.0	0.0	0.0
1780	4.0000	18.000	-2.8000	0.0	0.0	0.0
1781	6.0000	18.000	-2.8000	0.0	0.0	0.0
1782	8.0000	18.000	-2.8000	0.0	0.0	0.0
1783	10.000	18.000	-2.8000	0.0	0.0	0.0
1784	12.000	18.000	-2.8000	0.0	0.0	0.0
1785	14.000	18.000	-2.8000	0.0	0.0	0.0
1786	16.000	18.000	-2.8000	0.0	0.0	0.074652
1787	18.000	18.000	-2.8000	0.0	0.0	0.17351
1788	20.000	18.000	-2.8000	0.0	0.0	0.22706
1789	22.000	18.000	-2.8000	0.0	0.0	0.23174
1790	24.000	18.000	-2.8000	0.0058630	-0.018029	0.18850
1791	26.000	18.000	-2.8000	0.0028410	-0.017472	0.10565
1792	28.000	18.000	-2.8000	0.0	0.0	0.0
1793	30.000	18.000	-2.8000	0.0	0.0	0.0
1794	32.000	18.000	-2.8000	0.0	0.0	0.0
1795	34.000	18.000	-2.8000	0.0	0.0	0.0
1796	36.000	18.000	-2.8000	0.0	0.0	0.0
1797	38.000	18.000	-2.8000	0.0	0.0	0.0
1798	40.000	18.000	-2.8000	0.0	0.0	0.0
1799	42.000	18.000	-2.8000	0.0	0.0	0.0
1800	44.000	18.000	-2.8000	0.0	0.0	0.0
1801	46.000	18.000	-2.8000	0.0	0.0	0.0
1802	48.000	18.000	-2.8000	0.0	0.0	0.0
1803	50.000	18.000	-2.8000	0.0	0.0	0.0
1804	52.000	18.000	-2.8000	0.0	0.0	0.0
1805	54.000	18.000	-2.8000	0.0	0.0	0.0
1806	56.000	18.000	-2.8000	0.0	0.0	0.0
1807	58.000	18.000	-2.8000	0.0	0.0	0.0
1808	60.000	18.000	-2.8000	0.0	0.0	0.0
1809	-10.000	20.000	-2.8000	0.0	0.0	0.0
1810	-8.0000	20.000	-2.8000	0.0	0.0	0.0
1811	-6.0000	20.000	-2.8000	0.0	0.0	0.0
1812	-4.0000	20.000	-2.8000	0.0	0.0	0.0
1813	-2.0000	20.000	-2.8000	0.0	0.0	0.0
1814	0.0	20.000	-2.8000	0.0	0.0	0.0
1815	2.0000	20.000	-2.8000	0.0	0.0	0.0
1816	4.0000	20.000	-2.8000	0.0	0.0	0.0
1817	6.0000	20.000	-2.8000	0.0	0.0	0.0
1818	8.0000	20.000	-2.8000	0.0	0.0	0.0
1819	10.000	20.000	-2.8000	0.0	0.0	0.0
1820	12.000	20.000	-2.8000	0.0	0.0	0.0
1821	14.000	20.000	-2.8000	0.0	0.0	0.0
1822	16.000	20.000	-2.8000	0.0	0.0	0.0
1823	18.000	20.000	-2.8000	0.0	0.0	0.039747

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1824	20.000	20.000	-2.8000	0.0	0.0	0.097446	
1825	22.000	20.000	-2.8000	0.0	0.0	0.11717	
1826	24.000	20.000	-2.8000	0.0	0.0	0.10171	
1827	26.000	20.000	-2.8000	0.0	0.0	0.058557	
1828	28.000	20.000	-2.8000	0.0	0.0	0.0	
1829	30.000	20.000	-2.8000	0.0	0.0	0.0	
1830	32.000	20.000	-2.8000	0.0	0.0	0.0	
1831	34.000	20.000	-2.8000	0.0	0.0	0.0	
1832	36.000	20.000	-2.8000	0.0	0.0	0.0	
1833	38.000	20.000	-2.8000	0.0	0.0	0.0	
1834	40.000	20.000	-2.8000	0.0	0.0	0.0	
1835	42.000	20.000	-2.8000	0.0	0.0	0.0	
1836	44.000	20.000	-2.8000	0.0	0.0	0.0	
1837	46.000	20.000	-2.8000	0.0	0.0	0.0	
1838	48.000	20.000	-2.8000	0.0	0.0	0.0	
1839	50.000	20.000	-2.8000	0.0	0.0	0.0	
1840	52.000	20.000	-2.8000	0.0	0.0	0.0	
1841	54.000	20.000	-2.8000	0.0	0.0	0.0	
1842	56.000	20.000	-2.8000	0.0	0.0	0.0	
1843	58.000	20.000	-2.8000	0.0	0.0	0.0	
1844	60.000	20.000	-2.8000	0.0	0.0	0.0	
1845	-10.000	22.000	-2.8000	0.0	0.0	0.0	
1846	-8.0000	22.000	-2.8000	0.0	0.0	0.0	
1847	-6.0000	22.000	-2.8000	0.0	0.0	0.0	
1848	-4.0000	22.000	-2.8000	0.0	0.0	0.0	
1849	-2.0000	22.000	-2.8000	0.0	0.0	0.0	
1850	0.0	22.000	-2.8000	0.0	0.0	0.0	
1851	2.0000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
1852	4.0000	22.000	-2.8000	0.0	0.0	0.0	
1853	6.0000	22.000	-2.8000	0.0	0.0	0.0	
1854	8.0000	22.000	-2.8000	0.0	0.0	0.0	
1855	10.000	22.000	-2.8000	0.0	0.0	0.0	
1856	12.000	22.000	-2.8000	0.0	0.0	0.0	
1857	14.000	22.000	-2.8000	0.0	0.0	0.0	
1858	16.000	22.000	-2.8000	0.0	0.0	0.0	
1859	18.000	22.000	-2.8000	0.0	0.0	0.0	
1860	20.000	22.000	-2.8000	0.0	0.0	0.0	
1861	22.000	22.000	-2.8000	0.0	0.0	0.026329	
1862	24.000	22.000	-2.8000	0.0	0.0	0.034641	
1863	26.000	22.000	-2.8000	0.0	0.0	0.022796	
1864	28.000	22.000	-2.8000	0.0	0.0	0.0	
1865	30.000	22.000	-2.8000	0.0	0.0	0.0	
1866	32.000	22.000	-2.8000	0.0	0.0	0.0	
1867	34.000	22.000	-2.8000	0.0	0.0	0.0	
1868	36.000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
1869	38.000	22.000	-2.8000	0.0	0.0	0.0	
1870	40.000	22.000	-2.8000	0.0	0.0	0.0	
1871	42.000	22.000	-2.8000	0.0	0.0	0.0	
1872	44.000	22.000	-2.8000	0.0	0.0	0.0	
1873	46.000	22.000	-2.8000	0.0	0.0	0.0	
1874	48.000	22.000	-2.8000	0.0	0.0	0.0	
1875	50.000	22.000	-2.8000	0.0	0.0	0.0	
1876	52.000	22.000	-2.8000	0.0	0.0	0.0	
1877	54.000	22.000	-2.8000	0.0	0.0	0.0	
1878	56.000	22.000	-2.8000	0.0	0.0	0.0	
1879	58.000	22.000	-2.8000	0.0	0.0	0.0	
1880	60.000	22.000	-2.8000	0.0	0.0	0.0	
1881	-10.000	24.000	-2.8000	0.0	0.0	0.0	
1882	-8.0000	24.000	-2.8000	0.0	0.0	0.0	
1883	-6.0000	24.000	-2.8000	0.0	0.0	0.0	
1884	-4.0000	24.000	-2.8000	0.0	0.0	0.0	
1885	-2.0000	24.000	-2.8000	0.0	0.0	0.0	
1886	0.0	24.000	-2.8000	0.0	0.0	0.0	
1887	2.0000	24.000	-2.8000	0.0	0.0	0.0	
1888	4.0000	24.000	-2.8000	0.0	0.0	0.0	
1889	6.0000	24.000	-2.8000	0.0	0.0	0.0	
1890	8.0000	24.000	-2.8000	0.0	0.0	0.0	
1891	10.000	24.000	-2.8000	0.0	0.0	0.0	
1892	12.000	24.000	-2.8000	0.0	0.0	0.0	
1893	14.000	24.000	-2.8000	0.0	0.0	0.0	
1894	16.000	24.000	-2.8000	0.0	0.0	0.0	
1895	18.000	24.000	-2.8000	0.0	0.0	0.0	
1896	20.000	24.000	-2.8000	0.0	0.0	0.0	
1897	22.000	24.000	-2.8000	0.0	0.0	0.0	
1898	24.000	24.000	-2.8000	0.0	0.0	0.0	
1899	26.000	24.000	-2.8000	0.0	0.0	0.0	
1900	28.000	24.000	-2.8000	0.0	0.0	0.0	
1901	30.000	24.000	-2.8000	0.0	0.0	0.0	
1902	32.000	24.000	-2.8000	0.0	0.0	0.0	
1903	34.000	24.000	-2.8000	0.0	0.0	0.0	
1904	36.000	24.000	-2.8000	0.0	0.0	0.0	
1905	38.000	24.000	-2.8000	0.0	0.0	0.0	
1906	40.000	24.000	-2.8000	0.0	0.0	0.0	
1907	42.000	24.000	-2.8000	0.0	0.0	0.0	
1908	44.000	24.000	-2.8000	0.0	0.0	0.0	
1909	46.000	24.000	-2.8000	0.0	0.0	0.0	
1910	48.000	24.000	-2.8000	0.0	0.0	0.0	
1911	50.000	24.000	-2.8000	0.0	0.0	0.0	
1912	52.000	24.000	-2.8000	0.0	0.0	0.0	
1913	54.000	24.000	-2.8000	0.0	0.0	0.0	
1914	56.000	24.000	-2.8000	0.0	0.0	0.0	
1915	58.000	24.000	-2.8000	0.0	0.0	0.0	
1916	60.000	24.000	-2.8000	0.0	0.0	0.0	
1917	-10.000	26.000	-2.8000	0.0	0.0	0.0	
1918	-8.0000	26.000	-2.8000	0.0	0.0	0.0	
1919	-6.0000	26.000	-2.8000	0.0	0.0	0.0	
1920	-4.0000	26.000	-2.8000	0.0	0.0	0.0	
1921	-2.0000	26.000	-2.8000	0.0	0.0	0.0	
1922	0.0	26.000	-2.8000	0.0	0.0	0.0	
1923	2.0000	26.000	-2.8000	0.0	0.0	0.0	
1924	4.0000	26.000	-2.8000	0.0	0.0	0.0	
1925	6.0000	26.000	-2.8000	0.0	0.0	0.0	
1926	8.0000	26.000	-2.8000	0.0	0.0	0.0	
1927	10.000	26.000	-2.8000	0.0	0.0	0.0	
1928	12.000	26.000	-2.8000	0.0	0.0	0.0	
1929	14.000	26.000	-2.8000	0.0	0.0	0.0	
1930	16.000	26.000	-2.8000	0.0	0.0	0.0	
1931	18.000	26.000	-2.8000	0.0	0.0	0.0	
1932	20.000	26.000	-2.8000	0.0	0.0	0.0	
1933	22.000	26.000	-2.8000	0.0	0.0	0.0	
1934	24.000	26.000	-2.8000	0.0	0.0	0.0	
1935	26.000	26.000	-2.8000	0.0	0.0	0.0	
1936	28.000	26.000	-2.8000	0.0	0.0	0.0	
1937	30.000	26.000	-2.8000	0.0	0.0	0.0	
1938	32.000	26.000	-2.8000	0.0	0.0	0.0	
1939	34.000	26.000	-2.8000	0.0	0.0	0.0	
1940	36.000	26.000	-2.8000	0.0	0.0	0.0	
1941	38.000	26.000	-2.8000	0.0	0.0	0.0	
1942	40.000	26.000	-2.8000	0.0	0.0	0.0	
1943	42.000	26.000	-2.8000	0.0	0.0	0.0	
1944	44.000	26.000	-2.8000	0.0	0.0	0.0	
1945	46.000	26.000	-2.8000	0.0	0.0	0.0	
1946	48.000	26.000	-2.8000	0.0	0.0	0.0	
1947	50.000	26.000	-2.8000	0.0	0.0	0.0	
1948	52.000	26.000	-2.8000	0.0	0.0	0.0	
1949	54.000	26.000	-2.8000	0.0	0.0	0.0	
1950	56.000	26.000	-2.8000	0.0	0.0	0.0	
1951	58.000	26.000	-2.8000	0.0	0.0	0.0	

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1952	60.000	26.000	-2.8000	0.0	0.0	0.0	I
1953	-10.000	28.000	-2.8000	0.0	0.0	0.0	I
1954	-8.0000	28.000	-2.8000	0.0	0.0	0.0	I
1955	-6.0000	28.000	-2.8000	0.0	0.0	0.0	I
1956	-4.0000	28.000	-2.8000	0.0	0.0	0.0	I
1957	-2.0000	28.000	-2.8000	0.0	0.0	0.0	I
1958	0.0	28.000	-2.8000	0.0	0.0	0.0	I
1959	2.0000	28.000	-2.8000	0.0	0.0	0.0	I
1960	4.0000	28.000	-2.8000	0.0	0.0	0.0	I
1961	6.0000	28.000	-2.8000	0.0	0.0	0.0	I
1962	8.0000	28.000	-2.8000	0.0	0.0	0.0	I
1963	10.000	28.000	-2.8000	0.0	0.0	0.0	I
1964	12.000	28.000	-2.8000	0.0	0.0	0.0	I
1965	14.000	28.000	-2.8000	0.0	0.0	0.0	I
1966	16.000	28.000	-2.8000	0.0	0.0	0.0	I
1967	18.000	28.000	-2.8000	0.0	0.0	0.0	I
1968	20.000	28.000	-2.8000	0.0	0.0	0.0	I
1969	22.000	28.000	-2.8000	0.0	0.0	0.0	I
1970	24.000	28.000	-2.8000	0.0	0.0	0.0	I
1971	26.000	28.000	-2.8000	0.0	0.0	0.0	I
1972	28.000	28.000	-2.8000	0.0	0.0	0.0	I
1973	30.000	28.000	-2.8000	0.0	0.0	0.0	I
1974	32.000	28.000	-2.8000	0.0	0.0	0.0	I
1975	34.000	28.000	-2.8000	0.0	0.0	0.0	I
1976	36.000	28.000	-2.8000	0.0	0.0	0.0	I
1977	38.000	28.000	-2.8000	0.0	0.0	0.0	I
1978	40.000	28.000	-2.8000	0.0	0.0	0.0	I
1979	42.000	28.000	-2.8000	0.0	0.0	0.0	I
1980	44.000	28.000	-2.8000	0.0	0.0	0.0	I
1981	46.000	28.000	-2.8000	0.0	0.0	0.0	I
1982	48.000	28.000	-2.8000	0.0	0.0	0.0	I
1983	50.000	28.000	-2.8000	0.0	0.0	0.0	I
1984	52.000	28.000	-2.8000	0.0	0.0	0.0	I
1985	54.000	28.000	-2.8000	0.0	0.0	0.0	I
1986	56.000	28.000	-2.8000	0.0	0.0	0.0	I
1987	58.000	28.000	-2.8000	0.0	0.0	0.0	I
1988	60.000	28.000	-2.8000	0.0	0.0	0.0	I
1989	-10.000	30.000	-2.8000	0.0	0.0	0.0	I
1990	-8.0000	30.000	-2.8000	0.0	0.0	0.0	I
1991	-6.0000	30.000	-2.8000	0.0	0.0	0.0	I
1992	-4.0000	30.000	-2.8000	0.0	0.0	0.0	I
1993	-2.0000	30.000	-2.8000	0.0	0.0	0.0	I
1994	0.0	30.000	-2.8000	0.0	0.0	0.0	I
1995	2.0000	30.000	-2.8000	0.0	0.0	0.0	I
1996	4.0000	30.000	-2.8000	0.0	0.0	0.0	I
1997	6.0000	30.000	-2.8000	0.0	0.0	0.0	I
1998	8.0000	30.000	-2.8000	0.0	0.0	0.0	I
1999	10.000	30.000	-2.8000	0.0	0.0	0.0	I
2000	12.000	30.000	-2.8000	0.0	0.0	0.0	I
2001	14.000	30.000	-2.8000	0.0	0.0	0.0	I
2002	16.000	30.000	-2.8000	0.0	0.0	0.0	I
2003	18.000	30.000	-2.8000	0.0	0.0	0.0	I
2004	20.000	30.000	-2.8000	0.0	0.0	0.0	I
2005	22.000	30.000	-2.8000	0.0	0.0	0.0	I
2006	24.000	30.000	-2.8000	0.0	0.0	0.0	I
2007	26.000	30.000	-2.8000	0.0	0.0	0.0	I
2008	28.000	30.000	-2.8000	0.0	0.0	0.0	I
2009	30.000	30.000	-2.8000	0.0	0.0	0.0	I
2010	32.000	30.000	-2.8000	0.0	0.0	0.0	I
2011	34.000	30.000	-2.8000	0.0	0.0	0.0	I
2012	36.000	30.000	-2.8000	0.0	0.0	0.0	I
2013	38.000	30.000	-2.8000	0.0	0.0	0.0	I
2014	40.000	30.000	-2.8000	0.0	0.0	0.0	I
2015	42.000	30.000	-2.8000	0.0	0.0	0.0	I
2016	44.000	30.000	-2.8000	0.0	0.0	0.0	I
2017	46.000	30.000	-2.8000	0.0	0.0	0.0	I
2018	48.000	30.000	-2.8000	0.0	0.0	0.0	I
2019	50.000	30.000	-2.8000	0.0	0.0	0.0	I
2020	52.000	30.000	-2.8000	0.0	0.0	0.0	I
2021	54.000	30.000	-2.8000	0.0	0.0	0.0	I
2022	56.000	30.000	-2.8000	0.0	0.0	0.0	I
2023	58.000	30.000	-2.8000	0.0	0.0	0.0	I
2024	60.000	30.000	-2.8000	0.0	0.0	0.0	I
2025	2.0000	6.0000	-1.5000	0.0	0.0	0.0	1,2,6
2026	3.0667	6.0000	-1.5000	0.0	0.0	0.0	1,2,6
2027	4.1333	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2028	5.2000	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2029	6.2667	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2030	7.3333	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2031	8.4000	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2032	9.4667	6.0000	-1.5000	0.0	0.45000	0.44988	1,2,6
2033	10.533	6.0000	-1.5000	-0.20556	0.0	0.16950	1,2,6
2034	11.600	6.0000	-1.5000	0.0	0.0	0.29346	1,2,6
2035	12.667	6.0000	-1.5000	0.0	0.0	0.48901	1,2,6
2036	13.733	6.0000	-1.5000	0.0	0.0	0.68414	1,2,6
2037	14.800	6.0000	-1.5000	0.049807	-0.0011320	0.87876	1,2,6
2038	15.867	6.0000	-1.5000	0.22266	-0.0055054	1.0727	1,2,6
2039	16.933	6.0000	-1.5000	0.39934	-0.010826	1.2659	1,2,6
2040	18.000	6.0000	-1.5000	0.58311	-0.017493	1.4579	1,2,6
2041	2.0000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2042	3.1333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2043	4.2667	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2044	5.4000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2045	6.5333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2046	7.6667	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2047	8.8000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2048	9.9333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2049	11.067	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2050	12.200	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2051	13.333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2052	14.467	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2053	15.600	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2054	16.733	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2055	17.867	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2056	19.000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2057	20.133	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2058	21.267	22.000	-2.8000	0.0	0.0	0.016876	1,2,6
2059	22.400	22.000	-2.8000	0.0	0.0	0.029954	1,2,6
2060	23.533	22.000	-2.8000	0.0	0.0	0.034789	1,2,6
2061	24.667	22.000	-2.8000	0.0	0.0	0.032530	1,2,6
2062	25.800	22.000	-2.8000	0.0	0.0	0.024644	1,2,6
2063	26.933	22.000	-2.8000	0.0	0.0	0.012877	1,2,6
2064	28.067	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2065	29.200	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2066	30.333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2067	31.467	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2068	32.600	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2069	33.733	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2070	34.867	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2071	36.000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2072	37.133	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2073	38.267	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2074	39.400	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2075	40.533	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2076	41.667	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2077	42.800	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2078	43.933	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2079	45.067	22.000	-2.8000	0.0	0.0	0.0	1,2,6

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
2080	46.200	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2081	47.333	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2082	48.467	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2083	49.600	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2084	50.733	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2085	51.867	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2086	53.000	22.000	-2.8000	0.0	0.0	0.0	1,2,6
2087	2.0000	21.900	-2.8000	0.0	0.0	0.0	1,2,6
2088	2.0000	20.847	-2.8000	0.0	0.0	0.0	1,2,6
2089	2.0000	19.793	-2.8000	0.0	0.0	0.0	1,2,6
2090	2.0000	18.740	-2.8000	0.0	0.0	0.0	1,2,6
2091	2.0000	17.687	-2.8000	0.0	0.0	0.0	1,2,6
2092	2.0000	16.633	-2.8000	0.0	0.0	0.0	1,2,6
2093	2.0000	15.580	-2.8000	0.0	0.0	0.0	1,2,6
2094	2.0000	14.527	-2.8000	0.0	0.0	0.0	1,2,6
2095	2.0000	13.473	-2.8000	0.0	0.0	0.0	1,2,6
2096	2.0000	12.420	-2.8000	0.0	0.0	0.0	1,2,6
2097	2.0000	11.367	-2.8000	0.0	0.0	0.0	1,2,6
2098	2.0000	10.313	-2.8000	0.0	0.0	0.0	1,2,6
2099	2.0000	9.2600	-2.8000	0.0	0.0	0.0	1,2,6
2100	2.0000	8.2067	-2.8000	0.0	0.0	0.0	1,2,6
2101	2.0000	7.1533	-2.8000	0.0	0.0	0.0	1,2,6
2102	2.0000	6.1000	-2.8000	0.0	0.0	0.0	1,2,6
2103	2.0000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2104	3.1333	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2105	4.2667	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2106	5.4000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2107	6.5333	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2108	7.6667	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2109	8.8000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2110	9.9333	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2111	11.067	6.0000	-2.8000	0.0	0.0	0.19556	1,2,6
2112	12.200	6.0000	-2.8000	0.0	0.0	0.40350	1,2,6
2113	13.333	6.0000	-2.8000	0.0	0.0	0.61102	1,2,6
2114	14.467	6.0000	-2.8000	0.0	0.0	0.81800	1,2,6
2115	15.600	6.0000	-2.8000	0.17922	-0.0043360	1.0243	1,2,6
2116	16.733	6.0000	-2.8000	0.36577	-0.0097395	1.2297	1,2,6
2117	17.867	6.0000	-2.8000	0.55964	-0.016568	1.4340	1,2,6
2118	19.000	6.0000	-2.8000	0.76460	-0.025487	1.6366	1,2,6
2119	20.133	6.0000	-2.8000	0.98414	-0.037531	1.8370	1,2,6
2120	21.267	6.0000	-2.8000	1.2212	-0.054411	2.0338	1,2,6
2121	22.400	6.0000	-2.8000	1.4777	-0.079163	2.2251	1,2,6
2122	23.533	6.0000	-2.8000	1.7530	-0.11774	2.4066	1,2,6
2123	24.667	6.0000	-2.8000	2.0395	-0.18356	2.5683	1,2,6
2124	25.800	6.0000	-2.8000	2.3041	-0.31420	2.6803	1,2,6
2125	26.933	6.0000	-2.8000	2.3478	-0.66032	2.5920	1,2,6
2126	28.067	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2127	29.200	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2128	30.333	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2129	31.467	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2130	32.600	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2131	33.733	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2132	34.867	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2133	36.000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2134	37.133	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2135	38.267	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2136	39.400	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2137	40.533	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2138	41.667	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2139	42.800	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2140	43.933	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2141	45.067	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2142	46.200	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2143	47.333	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2144	48.467	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2145	49.600	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2146	50.733	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2147	51.867	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2148	53.000	6.0000	-2.8000	0.0	0.0	0.0	1,2,6
2149	53.000	21.900	-2.8000	0.0	0.0	0.0	1,2,6
2150	53.000	20.847	-2.8000	0.0	0.0	0.0	1,2,6
2151	53.000	19.793	-2.8000	0.0	0.0	0.0	1,2,6
2152	53.000	18.740	-2.8000	0.0	0.0	0.0	1,2,6
2153	53.000	17.687	-2.8000	0.0	0.0	0.0	1,2,6
2154	53.000	16.633	-2.8000	0.0	0.0	0.0	1,2,6
2155	53.000	15.580	-2.8000	0.0	0.0	0.0	1,2,6
2156	53.000	14.527	-2.8000	0.0	0.0	0.0	1,2,6
2157	53.000	13.473	-2.8000	0.0	0.0	0.0	1,2,6
2158	53.000	12.420	-2.8000	0.0	0.0	0.0	1,2,6
2159	53.000	11.367	-2.8000	0.0	0.0	0.0	1,2,6
2160	53.000	10.313	-2.8000	0.0	0.0	0.0	1,2,6
2161	53.000	9.2600	-2.8000	0.0	0.0	0.0	1,2,6
2162	53.000	8.2067	-2.8000	0.0	0.0	0.0	1,2,6
2163	53.000	7.1533	-2.8000	0.0	0.0	0.0	1,2,6
2164	53.000	6.1000	-2.8000	0.0	0.0	0.0	1,2,6
2165	39.000	-13.600	-3.5000	0.0	0.0	0.0	1,2,6
2166	39.000	-12.620	-3.5000	0.0	0.0	0.0	1,2,6
2167	39.000	-11.640	-3.5000	0.0	0.0	0.0	1,2,6
2168	39.000	-10.660	-3.5000	0.0	0.0	0.0	1,2,6
2169	39.000	-9.6800	-3.5000	0.0	0.0	0.0	1,2,6
2170	39.000	-8.7000	-3.5000	0.0	0.0	0.0	1,2,6
2171	39.000	-7.7200	-3.5000	0.0	0.0	0.0	1,2,6
2172	39.000	-6.7400	-3.5000	0.0	0.0	0.0	1,2,6
2173	39.000	-5.7600	-3.5000	0.0	0.0	0.0	1,2,6
2174	39.000	-4.7800	-3.5000	0.0	0.0	0.0	1,2,6
2175	39.000	-3.8000	-3.5000	0.0	0.0	0.0	1,2,6
2176	39.000	-2.8200	-3.5000	0.0	0.0	0.0	1,2,6
2177	39.000	-1.8400	-3.5000	0.0	0.0	0.0	1,2,6
2178	39.000	-0.86000	-3.5000	0.0	0.0	0.0	1,2,6
2179	39.000	0.12000	-3.5000	0.0	0.0	0.0	1,2,6
2180	39.000	1.1000	-3.5000	0.0	0.0	0.0	1,2,6
2181	39.000	2.0800	-3.5000	0.0	0.0	0.0	1,2,6
2182	39.000	3.0600	-3.5000	0.0	0.0	0.0	1,2,6
2183	39.000	4.0400	-3.5000	0.0	0.0	0.0	1,2,6
2184	39.000	5.0200	-3.5000	0.0	0.0	0.0	1,2,6
2185	39.000	6.0000	-3.5000	0.0	0.0	0.0	1,2,6
2186	21.600	4.0000	-2.8000	1.3894	0.16639	2.2887	1,2,6
2187	21.600	2.9500	-2.8000	1.3584	0.16268	2.2637	1,2,6
2188	21.600	1.9000	-2.8000	1.3277	0.15900	2.2387	1,2,6
2189	21.600	0.85000	-2.8000	1.2973	0.15536	2.2137	1,2,6
2190	21.600	-0.20000	-2.8000	1.2672	0.15177	2.1888	1,2,6
2191	21.600	-1.2500	-2.8000	1.2375	0.14820	2.1638	1,2,6
2192	21.600	-2.3000	-2.8000	1.2081	0.14468	2.1388	1,2,6
2193	21.600	-3.3500	-2.8000	1.1789	0.14119	2.1139	1,2,6
2194	21.600	-4.4000	-2.8000	1.1501	0.13774	2.0889	1,2,6
2195	21.600	-5.4500	-2.8000	1.1216	0.13432	2.0639	1,2,6
2196	21.600	-6.5000	-2.8000	1.0933	0.13093	2.0389	1,2,6
2197	21.600	-7.5500	-2.8000	1.0653	0.12758	2.0140	1,2,6
2198	21.600	-8.6000	-2.8000	1.0376	0.12426	1.9890	1,2,6
2199	21.600	-9.6500	-2.8000	1.0102	0.12098	1.9640	1,2,6
2200	21.600	-10.700	-2.8000	0.98296	0.11772	1.9391	1,2,6
2201	21.600	-11.750	-2.8000	0.95602	0.11449	1.9141	1,2,6
2202	21.600	-12.800	-2.8000	0.85014	0.18217	1.7627	1,2,6
2203	21.600	-13.850	-2.8000	0.70507	0.23922	1.5644	1,2,6
2204	21.600	-14.900	-2.8000	0.55950	0.25977	1.3679	1,2,6
2205	21.600	-15.950	-2.8000	0.42513	0.25052	1.1802	1,2,6
2206	21.600	-17.000	-2.8000	0.30813	0.22010	1.0054	1,2,6
2207	21.600	-17.100	-2.8000	0.29799	0.21640	0.98956	1,2,6

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
2208	20.520	-17.100	-2.8000	0.23152	0.14897	0.92594	1,2,6
2209	19.440	-17.100	-2.8000	0.14555	0.084079	0.83734	1,2,6
2210	18.360	-17.100	-2.8000	0.043352	0.022719	0.72836	1,2,6
2211	17.280	-17.100	-2.8000	0.0	0.0	0.60268	1,2,6
2212	16.200	-17.100	-2.8000	0.0	0.0	0.46322	1,2,6
2213	15.120	-17.100	-2.8000	0.0	0.0	0.31232	1,2,6
2214	14.040	-17.100	-2.8000	0.0	0.0	0.15184	1,2,6
2215	12.960	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2216	11.880	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2217	10.800	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2218	9.7200	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2219	8.6400	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2220	7.5600	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2221	6.4800	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2222	5.4000	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2223	4.3200	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2224	3.2400	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2225	2.1600	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2226	1.0800	-17.100	-2.8000	0.0	0.0	0.0	1,2,6
2227	0.0	-17.100	-2.8000	0.0	0.0	0.0	1,2,6

1 - Data point coincident with displacement data. Its displacement has been added to those calculated by Xdisp.
2 - Data point coincident with horizontal movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.
6 - Data point coincident with vertical movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.

Vertical Ground Movement Curves

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.039][0.100,0.000,0.049][0.200,0.000,0.056][0.300,0.000,0.062]
[0.400,0.000,0.067][0.500,0.000,0.070][0.600,0.000,0.072][0.700,0.000,0.073]
[0.800,0.000,0.073][0.900,0.000,0.072][1.000,0.000,0.070][1.100,0.000,0.068]
[1.200,0.000,0.065][1.300,0.000,0.061][1.400,0.000,0.058][1.500,0.000,0.054]
[1.600,0.000,0.050][1.700,0.000,0.046][1.800,0.000,0.042][1.900,0.000,0.038]
[2.000,0.000,0.034][2.100,0.000,0.030][2.200,0.000,0.027][2.300,0.000,0.023]
[2.400,0.000,0.020][2.500,0.000,0.017][2.600,0.000,0.014][2.700,0.000,0.012]
[2.800,0.000,0.010][2.900,0.000,0.008][3.000,0.000,0.007][3.100,0.000,0.005]
[3.200,0.000,0.004][3.300,0.000,0.004][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.6455E\text{-}3x^4 + 2.8495E\text{-}2x^3 - 1.0051E\text{-}1x^2 + 1.0569E\text{-}1x + 3.8990E\text{-}2$
Coeff. of Determination: 9.9991E-1

Curve Name: **Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.345][0.100,0.000,0.327][0.200,0.000,0.311][0.300,0.000,0.294]
[0.400,0.000,0.279][0.500,0.000,0.264][0.600,0.000,0.250][0.700,0.000,0.237]
[0.800,0.000,0.224][0.900,0.000,0.212][1.000,0.000,0.200][1.100,0.000,0.189]
[1.200,0.000,0.178][1.300,0.000,0.168][1.400,0.000,0.158][1.500,0.000,0.149]
[1.600,0.000,0.140][1.700,0.000,0.132][1.800,0.000,0.124][1.900,0.000,0.116]
[2.000,0.000,0.109][2.100,0.000,0.101][2.200,0.000,0.095][2.300,0.000,0.088]
[2.400,0.000,0.082][2.500,0.000,0.076][2.600,0.000,0.070][2.700,0.000,0.065]
[2.800,0.000,0.059][2.900,0.000,0.054][3.000,0.000,0.049][3.100,0.000,0.044]
[3.200,0.000,0.039][3.300,0.000,0.034][3.400,0.000,0.029][3.500,0.000,0.025]
[3.600,0.000,0.020][3.700,0.000,0.015][3.800,0.000,0.010][3.900,0.000,0.005]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-3.5383E\text{-}3x^3 + 3.7194E\text{-}2x^2 - 1.7831E\text{-}1x + 3.4467E\text{-}1$
Coeff. of Determination: 9.9999E-1

Horizontal Ground Movement Curves

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.150][4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.75E-2x + 1.50E-1
Coeff. of Determination: 1.00

Curve Name: **Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.400][4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -10.E-2x + 4.0E-1
Coeff. of Determination: 1.0

Polygonal Excavations

Excavation Name: **16 Chenies Underpinning**
Surface level [m]: -1.9000
Contribution: Positive
Enabled: Yes
Surface movement curves which are -2.8000

Line No.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]

selected are applied between
surface and [m]:

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	3.5000	6.0000	-2.8000	No	-	-	-	-	-	-
2	3.5000	22.000	-2.8000	No	-	-	-	-	-	-
3	9.8000	22.000	-2.8000	No	-	-	-	-	-	-
4	9.8000	6.0000	-2.8000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Horizontal
1	3.5000	6.0000	3.5000	22.000	No vertical ground movement	No horizontal ground movement
2	3.5000	22.000	9.8000	22.000	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
3	9.8000	22.000	9.8000	6.0000	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
4	9.8000	6.0000	3.5000	6.0000	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))

Excavation Name: 18 Chenies Piling
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: -3.0000

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	28.000	5.7000	-3.0000	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	35.500	5.7000	0.0	No	-	-	-	-	-	-
3	35.500	-11.000	-3.5000	No	-	-	-	-	-	-
4	30.000	-11.000	-3.0000	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Horizontal
1	28.000	5.7000	35.500	5.7000	No vertical ground movement	No horizontal ground movement
2	35.500	5.7000	35.500	-11.000	No vertical ground movement	No horizontal ground movement
3	35.500	-11.000	30.000	-11.000	Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b))	Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
4	30.000	-11.000	28.000	5.7000	Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b))	Excavation in front of low stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
Law Building	Infill	Law Bdg Infill	0.00000	15.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	West	16 Chenies Wst	0.00000	50.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	South	16 Chenies Sth	0.00000	15.70000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	East	16 Chenies Est	0.00000	50.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
16 Chenies	North	16 Chenies Nth	0.00000	15.70000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
18 Chenies	Retained Wall	18 Chenies Retained Wall	0.00000	19.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Law Building	North	Law Bdg Nth	0.00000	20.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Law Building	East	Law Bbg Est	0.00000	21.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
Law Building	Infill	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
16 Chenies	West	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	South	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	East	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
16 Chenies	North	16.000	Yes	1365.3	16.000	16.000	341.33	8.0000	8.0000
18 Chenies	Retained Wall	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000
Law Building	North	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000
Law Building	East	22.000	Yes	3549.3	22.000	22.000	887.33	11.000	11.000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

2 If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 2/Line 1/Vertical. This is an example only. There are 15 others.

3 If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Line 1/Vertical. This is an example only. There are 1 others.

Displacement and Strain Results

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical	Segment Start Length Curvature Combined Segment

Type/No.		Coordinates			Displacements					Angle of Line to x Axis	
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement along the Line	Horizontal displacement perpendicular to Line		
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]	
Grid 1	Grid 1	-10.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		16.00000	-20.00000	-2.80000	0.0	0.0	0.18682	-	-	-	*
		18.00000	-20.00000	-2.80000	0.0	0.0	0.38328	-	-	-	*
		20.00000	-20.00000	-2.80000	0.0044231	0.0039808	0.52491	-	-	-	*
		22.00000	-20.00000	-2.80000	0.086655	0.097487	0.59653	-	-	-	*
		24.00000	-20.00000	-2.80000	0.48159	0.72238	0.91324	-	-	-	*
		26.00000	-20.00000	-2.80000	0.60658	1.3648	1.1039	-	-	-	*
		28.00000	-20.00000	-2.80000	0.41671	1.8752	1.1444	-	-	-	*
		30.00000	-20.00000	-2.80000	0.0	2.0851	1.0209	-	-	-	*
		32.00000	-20.00000	-2.80000	0.0	3.7273	1.8399	-	-	-	*
		34.00000	-20.00000	-2.80000	0.0	4.4545	2.2228	-	-	-	*
		36.00000	-20.00000	-2.80000	-0.26681	4.8025	2.4214	-	-	-	*
		38.00000	-20.00000	-2.80000	-1.0319	3.7149	1.9250	-	-	-	*
		40.00000	-20.00000	-2.80000	-1.2412	2.4824	1.3665	-	-	-	*
		42.00000	-20.00000	-2.80000	-1.0212	1.4139	0.85073	-	-	-	*
		44.00000	-20.00000	-2.80000	-0.57660	0.61052	0.41249	-	-	-	*
		46.00000	-20.00000	-2.80000	-0.058462	0.050111	0.040255	-	-	-	*
		48.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-20.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	-18.00000	-2.80000	0.0	0.0	0.085506	-	-	-	*
		16.00000	-18.00000	-2.80000	0.0	0.0	0.35809	-	-	-	*
		18.00000	-18.00000	-2.80000	0.0	0.0	0.59011	-	-	-	*
		20.00000	-18.00000	-2.80000	0.12518	0.087626	0.76634	-	-	-	*
		22.00000	-18.00000	-2.80000	0.81230	0.71077	1.2456	-	-	-	*
		24.00000	-18.00000	-2.80000	1.2332	1.4388	1.5931	-	-	-	*
		26.00000	-18.00000	-2.80000	1.3235	2.3161	1.8546	-	-	-	*
		28.00000	-18.00000	-2.80000	0.88752	3.1063	1.9430	-	-	-	*
		30.00000	-18.00000	-2.80000	0.0	3.4752	1.7968	-	-	-	*
		32.00000	-18.00000	-2.80000	0.0	5.7273	3.0145	-	-	-	*
		34.00000	-18.00000	-2.80000	0.0	6.4545	3.4577	-	-	-	*
		36.00000	-18.00000	-2.80000	-0.47488	6.6483	3.6138	-	-	-	*
		38.00000	-18.00000	-2.80000	-1.7264	4.8339	2.7318	-	-	-	*
		40.00000	-18.00000	-2.80000	-1.9538	3.0392	1.8580	-	-	-	*
		42.00000	-18.00000	-2.80000	-1.5845	1.7064	1.1571	-	-	-	*
		44.00000	-18.00000	-2.80000	-1.0118	0.83326	0.63953	-	-	-	*
		46.00000	-18.00000	-2.80000	-0.43000	0.28667	0.25483	-	-	-	*
		48.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-18.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	-16.00000	-2.80000	0.0	0.0	0.21608	-	-	-	*
		16.00000	-16.00000	-2.80000	0.0	0.0	0.53014	-	-	-	*
		18.00000	-16.00000	-2.80000	0.067498	0.028124	0.81014	-	-	-	*
		20.00000	-16.00000	-2.80000	0.73942	0.36971	1.2934	-	-	-	*
		22.00000	-16.00000	-2.80000	1.7507	1.0942	1.9457	-	-	-	*
		24.00000	-16.00000	-2.80000	2.3461	1.9551	2.4300	-	-	-	*
		26.00000	-16.00000	-2.80000	2.3371	2.9214	2.7108	-	-	-	*
		28.00000	-16.00000	-2.80000	1.6716	4.1791	2.9402	-	-	-	*
		30.00000	-16.00000	-2.80000	0.0	4.8653	2.8030	-	-	-	*
		32.00000	-16.00000	-2.80000	0.0	7.7273	4.5371	-	-	-	*
		34.00000	-16.00000	-2.80000	0.0	8.4545	5.0517	-	-	-	*
		36.00000	-16.00000	-2.80000	-0.83639	8.3639	5.0766	-	-	-	*
		38.00000	-16.00000	-2.80000	-2.6509	5.3017	3.4623	-	-	-	*
		40.00000	-16.00000	-2.80000	-2.5956	2.8840	2.1332	-	-	-	*
		42.00000	-16.00000	-2.80000	-1.9188	1.4760	1.2502	-	-	-	*
		44.00000	-16.00000	-2.80000	-1.2075	0.71028	0.69199	-	-	-	*
		46.00000	-16.00000	-2.80000	-0.60548	0.28832	0.32721	-	-	-	*
		48.00000	-16.00000	-2.80000	-0.12080	0.048319	0.065684	-	-	-	*
		50.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-16.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	-14.00000	-2.80000	0.0	0.0	0.32855	-	-	-	*
		16.00000	-14.00000	-2.80000	0.0	0.0	0.68981	-	-	-	*
		18.00000	-14.00000	-2.80000	0.17899	0.044747	1.0286	-	-	-	*
		20.00000	-14.00000	-2.80000	1.4518	0.43554	1.8352	-	-	-	*
		22.00000	-14.00000	-2.80000	2.8148	1.0555	2.6751	-	-	-	*
		24.00000	-14.00000	-2.80000	3.8656	1.9328	3.4420	-	-	-	*
		26.00000	-14.00000	-2.80000	4.1865	3.1399	4.0063	-	-	-	*
		28.00000	-14.00000	-2.80000	3.1494	4.7241	4.1973	-	-	-	*
		30.00000	-14.00000	-2.80000	0.0	6.2554	4.1707	-	-	-	*
		32.00000	-14.00000	-2.80000	0.0	9.7273	6.5754	-	-	-	*
		34.00000	-14.00000	-2.80000	0.0	10.455	7.1551	-	-	-	*
		36.00000	-14.00000	-2.80000	-1.6122	9.6730	6.7493	-	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line	
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis	
		38.00000	-14.00000	-2.80000	-3.6043	4.3251	3.6525	-	-	-	*
		40.00000	-14.00000	-2.80000	-2.6760	1.7840	1.8985	-	-	-	*
		42.00000	-14.00000	-2.80000	-1.7099	0.78917	1.0145	-	-	-	*
		44.00000	-14.00000	-2.80000	-1.0156	0.35845	0.54218	-	-	-	*
		46.00000	-14.00000	-2.80000	-0.52466	0.14990	0.26633	-	-	-	*
		48.00000	-14.00000	-2.80000	-0.16696	0.040071	0.085062	-	-	-	*
		50.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-14.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	-12.00000	-2.80000	0.0	0.0	0.39892	-	-	-	*
		16.00000	-12.00000	-2.80000	0.0	0.0	0.79608	-	-	-	*
		18.00000	-12.00000	-2.80000	0.26011	0.031151	1.1932	-	-	-	*
		20.00000	-12.00000	-2.80000	2.5651	0.30720	2.5433	-	-	-	*
		22.00000	-12.00000	-2.80000	3.7431	0.46788	3.3427	-	-	-	*
		24.00000	-12.00000	-2.80000	5.4516	0.90860	4.4980	-	-	-	*
		26.00000	-12.00000	-2.80000	6.9496	1.7374	5.7541	-	-	-	*
		28.00000	-12.00000	-2.80000	7.2827	3.6413	6.7040	-	-	-	*
		30.00000	-12.00000	-2.80000	0.0	7.6454	6.0310	-	-	-	*
		32.00000	-12.00000	-2.80000	0.0	11.727	9.2972	-	-	-	*
		34.00000	-12.00000	-2.80000	0.0	12.455	9.9179	-	-	-	*
		36.00000	-12.00000	-2.80000	-4.0605	8.1211	7.1885	-	-	-	*
		38.00000	-12.00000	-2.80000	-2.5432	1.0173	1.9322	-	-	-	*
		40.00000	-12.00000	-2.80000	-1.2761	0.28357	0.81010	-	-	-	*
		42.00000	-12.00000	-2.80000	-0.71303	0.10970	0.39959	-	-	-	*
		44.00000	-12.00000	-2.80000	-0.40290	0.047400	0.20698	-	-	-	*
		46.00000	-12.00000	-2.80000	-0.20776	0.019786	0.10214	-	-	-	*
		48.00000	-12.00000	-2.80000	-0.073966	0.0059173	0.036538	-	-	-	*
		50.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-12.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-10.00000	-2.80000	0.0	0.0	0.049324	-	-	-	*
		14.00000	-10.00000	-2.80000	0.0	0.0	0.44649	-	-	-	*
		16.00000	-10.00000	-2.80000	0.0	0.0	0.84365	-	-	-	*
		18.00000	-10.00000	-2.80000	0.50522	0.060505	1.3462	-	-	-	*
		20.00000	-10.00000	-2.80000	2.8475	0.34102	2.7059	-	-	-	*
		22.00000	-10.00000	-2.80000	5.2351	0.62695	4.1309	-	-	-	*
		24.00000	-10.00000	-2.80000	7.6924	0.92124	5.8058	-	-	-	*
		26.00000	-10.00000	-2.80000	10.244	1.2268	7.9155	-	-	-	*
		28.00000	-10.00000	-2.80000	12.914	1.5466	10.645	-	-	-	*
		30.00000	-10.00000	-2.80000		Point lies within an excavation.					*
		32.00000	-10.00000	-2.80000		Point lies within an excavation.					*
		34.00000	-10.00000	-2.80000		Point lies within an excavation.					*
		36.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-8.00000	-2.80000	0.0	0.0	0.096889	-	-	-	*
		14.00000	-8.00000	-2.80000	0.0	0.0	0.49405	-	-	-	*
		16.00000	-8.00000	-2.80000	0.0	0.0	0.89121	-	-	-	*
		18.00000	-8.00000	-2.80000	0.78415	0.093911	1.5117	-	-	-	*
		20.00000	-8.00000	-2.80000	3.1306	0.37492	2.8695	-	-	-	*
		22.00000	-8.00000	-2.80000	5.5252	0.66170	4.3147	-	-	-	*
		24.00000	-8.00000	-2.80000	7.9925	0.95718	6.0319	-	-	-	*
		26.00000	-8.00000	-2.80000	10.557	1.2643	8.2060	-	-	-	*
		28.00000	-8.00000	-2.80000	13.243	1.5860	11.022	-	-	-	*
		30.00000	-8.00000	-2.80000		Point lies within an excavation.					*
		32.00000	-8.00000	-2.80000		Point lies within an excavation.					*
		34.00000	-8.00000	-2.80000		Point lies within an excavation.					*
		36.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	-8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	-6.00000	-2.80000	0.0	0.0	0.14445	-	-	-	*
		14.00000	-6.00000	-2.80000	0.0	0.0	0.54161	-	-	-	*
		16.00000	-6.00000	-2.80000	0.036033	0.0043153	0.93878	-	-	-	*
		18.00000	-6.00000	-2.80000	1.0634	0.12736	1.6758	-	-	-	*
		20.00000	-6.00000	-2.80000	3.4143	0.40890	3.0343	-	-	-	*
		22.00000	-6.00000	-2.80000	5.8164	0.69657	4.5023	-	-	-	*
		24.00000	-6.00000	-2.80000	8.2940	0.99329	6.2646	-	-	-	*
		26.00000	-6.00000	-2.80000	10.872	1.3020	8.5058	-	-	-	*
		28.00000	-6.00000	-2.80000	13.574	1.6256	11.411	-	-	-	*
		30.00000	-6.00000	-2.80000		Point lies within an excavation.					*

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		32.00000	-6.00000	-2.80000		Point lies within an excavation.				*
		34.00000	-6.00000	-2.80000		Point lies within an excavation.				*
		36.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		38.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		40.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		42.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		44.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		46.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		48.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		50.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		52.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		54.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		56.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		58.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		60.00000	-6.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-10.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-8.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-6.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-4.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-2.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		0.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		2.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		4.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		6.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		8.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		10.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		12.00000	-4.00000	-2.80000	0.0	0.0	0.19202	-	-	*
		14.00000	-4.00000	-2.80000	0.0	0.0	0.58918	-	-	*
		16.00000	-4.00000	-2.80000	0.077655	0.0092999	0.98634	-	-	*
		18.00000	-4.00000	-2.80000	1.3431	0.16085	1.8388	-	-	*
		20.00000	-4.00000	-2.80000	3.6988	0.44297	3.2007	-	-	*
		22.00000	-4.00000	-2.80000	6.1086	0.73157	4.6943	-	-	*
		24.00000	-4.00000	-2.80000	8.5970	1.0296	6.5041	-	-	*
		26.00000	-4.00000	-2.80000	11.188	1.3399	8.8150	-	-	*
		28.00000	-4.00000	-2.80000	13.907	1.6655	11.812	-	-	*
		30.00000	-4.00000	-2.80000		Point lies within an excavation.				*
		32.00000	-4.00000	-2.80000		Point lies within an excavation.				*
		34.00000	-4.00000	-2.80000		Point lies within an excavation.				*
		36.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		38.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		40.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		42.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		44.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		46.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		48.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		50.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		52.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		54.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		56.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		58.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		60.00000	-4.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-10.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-8.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-6.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-4.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-2.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		0.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		2.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		4.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		6.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		8.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		10.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		12.00000	-2.00000	-2.80000	0.0	0.0	0.23958	-	-	*
		14.00000	-2.00000	-2.80000	0.0	0.0	0.63674	-	-	*
		16.00000	-2.00000	-2.80000	0.11935	0.014293	1.0339	-	-	*
		18.00000	-2.00000	-2.80000	1.6232	0.19439	2.0011	-	-	*
		20.00000	-2.00000	-2.80000	3.9841	0.47714	3.3690	-	-	*
		22.00000	-2.00000	-2.80000	6.4020	0.76671	4.8907	-	-	*
		24.00000	-2.00000	-2.80000	8.9014	1.0660	6.7508	-	-	*
		26.00000	-2.00000	-2.80000	11.507	1.3780	9.1341	-	-	*
		28.00000	-2.00000	-2.80000	14.242	1.7057	12.225	-	-	*
		30.00000	-2.00000	-2.80000		Point lies within an excavation.				*
		32.00000	-2.00000	-2.80000		Point lies within an excavation.				*
		34.00000	-2.00000	-2.80000		Point lies within an excavation.				*
		36.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		38.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		40.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		42.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		44.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		46.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		48.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		50.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		52.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		54.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		56.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		58.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		60.00000	-2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-10.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-8.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-6.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-4.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-2.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		0.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		2.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		4.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		6.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		8.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		10.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		12.00000	0.00000	-2.80000	0.0	0.0	0.28715	-	-	*
		14.00000	0.00000	-2.80000	0.0	0.0	0.68431	-	-	*
		16.00000	0.00000	-2.80000	0.16116	0.019301	1.0815	-	-	*
		18.00000	0.00000	-2.80000	1.9037	0.22799	2.1629	-	-	*
		20.00000	0.00000	-2.80000	4.2702	0.51140	3.5395	-	-	*
		22.00000	0.00000	-2.80000	6.6966	0.80198	5.0920	-	-	*
		24.00000	0.00000	-2.80000	9.2073	1.1027	7.0050	-	-	*
		26.00000	0.00000	-2.80000	11.827	1.4164	9.4634	-	-	*
		28.00000	0.00000	-2.80000	14.580	1.7461	12.652	-	-	*
		30.00000	0.00000	-2.80000		Point lies within an excavation.				*
		32.00000	0.00000	-2.80000		Point lies within an excavation.				*
		34.00000	0.00000	-2.80000		Point lies within an excavation.				*
		36.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		38.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		40.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		42.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		44.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		46.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		48.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		50.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		52.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		54.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		56.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		58.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		60.00000	0.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-10.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-8.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-6.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-4.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		-2.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		0.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		2.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		4.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		6.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		8.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		10.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	*
		12.00000	2.00000	-2.80000	0.0	0.0	0.33471	-	-	*
		14.00000	2.00000	-2.80000	0.0	0.0	0.73187	-	-	*
		16.00000	2.00000	-2.80000	0.20313	0.024327	1.1290	-	-	*
		18.00000	2.00000	-2.80000	2.1848	0.26165	2.3246	-	-	*
		20.00000	2.00000	-2.80000	4.5571	0.54576	3.7125	-	-	*
		22.00000	2.00000	-2.80000	6.9923	0.83740	5.2985	-	-	*
		24.00000	2.00000	-2.80000	9.5148	1.1395	7.2671	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line	
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis	
		26.00000	2.00000	-2.80000	12.149	1.4550	9.8031	-	-	-	*
		28.00000	2.00000	-2.80000	14.920	1.7868	13.091	-	-	-	*
		30.00000	2.00000	-2.80000		Point lies within an excavation.					*
		32.00000	2.00000	-2.80000		Point lies within an excavation.					*
		34.00000	2.00000	-2.80000		Point lies within an excavation.					*
		36.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	2.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	4.00000	-2.80000	0.0	0.0	0.37897	-	-	-	*
		14.00000	4.00000	-2.80000	0.0	0.0	0.77944	-	-	-	*
		16.00000	4.00000	-2.80000	0.24530	0.029377	1.1766	-	-	-	*
		18.00000	4.00000	-2.80000	2.4664	0.29538	2.4865	-	-	-	*
		20.00000	4.00000	-2.80000	4.8450	0.58024	3.8884	-	-	-	*
		22.00000	4.00000	-2.80000	7.2893	0.87297	5.5104	-	-	-	*
		24.00000	4.00000	-2.80000	9.8239	1.1765	7.5373	-	-	-	*
		26.00000	4.00000	-2.80000	12.473	1.4938	10.154	-	-	-	*
		28.00000	4.00000	-2.80000	15.262	1.8278	13.544	-	-	-	*
		30.00000	4.00000	-2.80000		Point lies within an excavation.					*
		32.00000	4.00000	-2.80000		Point lies within an excavation.					*
		34.00000	4.00000	-2.80000		Point lies within an excavation.					*
		36.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	4.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	6.00000	-2.80000	0.0	0.0	0.36683	-	-	-	*
		14.00000	6.00000	-2.80000	0.0	0.0	0.73285	-	-	-	*
		16.00000	6.00000	-2.80000	0.24447	-0.0061118	1.0969	-	-	-	*
		18.00000	6.00000	-2.80000	1.6814	-0.050442	1.9942	-	-	-	*
		20.00000	6.00000	-2.80000	3.1416	-0.11781	2.9049	-	-	-	*
		22.00000	6.00000	-2.80000	4.6256	-0.23128	3.9185	-	-	-	*
		24.00000	6.00000	-2.80000	6.0929	-0.45697	5.0890	-	-	-	*
		26.00000	6.00000	-2.80000	7.2352	-1.0853	6.2643	-	-	-	*
		28.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		30.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		32.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		34.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		36.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	6.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	8.00000	-2.80000	0.0	0.0	0.31020	-	-	-	*
		14.00000	8.00000	-2.80000	0.0	0.0	0.63523	-	-	-	*
		16.00000	8.00000	-2.80000	0.18377	-0.035223	0.94519	-	-	-	*
		18.00000	8.00000	-2.80000	1.2381	-0.28477	1.6232	-	-	-	*
		20.00000	8.00000	-2.80000	2.2633	-0.65070	2.2717	-	-	-	*
		22.00000	8.00000	-2.80000	3.0161	-1.1562	2.8226	-	-	-	*
		24.00000	8.00000	-2.80000	3.1193	-1.7936	3.0795	-	-	-	*
		26.00000	8.00000	-2.80000	1.8273	-2.1014	2.4301	-	-	-	*
		28.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		30.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		32.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		34.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		36.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	8.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	10.00000	-2.80000	0.0	0.0	0.22175	-	-	-	*
		14.00000	10.00000	-2.80000	0.0	0.0	0.50529	-	-	-	*
		16.00000	10.00000	-2.80000	0.092208	-0.033041	0.76258	-	-	-	*
		18.00000	10.00000	-2.80000	0.68569	-0.29485	1.1887	-	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		20.00000	10.00000	-2.80000	1.3316	-0.71573	1.6195	-	-	- *
		22.00000	10.00000	-2.80000	1.5937	-1.1422	1.8483	-	-	- *
		24.00000	10.00000	-2.80000	1.3310	-1.4309	1.7613	-	-	- *
		26.00000	10.00000	-2.80000	0.57018	-1.2259	1.1893	-	-	- *
		28.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	10.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	12.00000	-2.80000	0.0	0.0	0.11382	-	-	- *
		14.00000	12.00000	-2.80000	0.0	0.0	0.35971	-	-	- *
		16.00000	12.00000	-2.80000	0.0	0.0	0.57222	-	-	- *
		18.00000	12.00000	-2.80000	0.19867	-0.12516	0.76650	-	-	- *
		20.00000	12.00000	-2.80000	0.62260	-0.49030	1.0651	-	-	- *
		22.00000	12.00000	-2.80000	0.75457	-0.79229	1.1752	-	-	- *
		24.00000	12.00000	-2.80000	0.58788	-0.92590	1.0619	-	-	- *
		26.00000	12.00000	-2.80000	0.21335	-0.67207	0.65269	-	-	- *
		28.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	12.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		14.00000	14.00000	-2.80000	0.0	0.0	0.21137	-	-	- *
		16.00000	14.00000	-2.80000	0.0	0.0	0.38962	-	-	- *
		18.00000	14.00000	-2.80000	0.036382	-0.030197	0.51999	-	-	- *
		20.00000	14.00000	-2.80000	0.18003	-0.18678	0.63744	-	-	- *
		22.00000	14.00000	-2.80000	0.30516	-0.42213	0.72181	-	-	- *
		24.00000	14.00000	-2.80000	0.24058	-0.49921	0.63413	-	-	- *
		26.00000	14.00000	-2.80000	0.083234	-0.34542	0.37517	-	-	- *
		28.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	14.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		14.00000	16.00000	-2.80000	0.0	0.0	0.068632	-	-	- *
		16.00000	16.00000	-2.80000	0.0	0.0	0.22284	-	-	- *
		18.00000	16.00000	-2.80000	0.0	0.0	0.33234	-	-	- *
		20.00000	16.00000	-2.80000	0.019864	-0.025575	0.38748	-	-	- *
		22.00000	16.00000	-2.80000	0.050160	-0.086108	0.38574	-	-	- *
		24.00000	16.00000	-2.80000	0.069867	-0.17991	0.35243	-	-	- *
		26.00000	16.00000	-2.80000	0.026877	-0.13842	0.20916	-	-	- *
		28.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	16.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal dispalcement	Horizontal displacement	to x Axis
		14.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		16.00000	18.00000	-2.80000	0.0	0.0	0.074652	-	-	- *
		18.00000	18.00000	-2.80000	0.0	0.0	0.17351	-	-	- *
		20.00000	18.00000	-2.80000	0.0	0.0	0.22706	-	-	- *
		22.00000	18.00000	-2.80000	0.0	0.0	0.23174	-	-	- *
		24.00000	18.00000	-2.80000	0.0058630	-0.018029	0.18850	-	-	- *
		26.00000	18.00000	-2.80000	0.0028410	-0.017472	0.10565	-	-	- *
		28.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	18.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		14.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		16.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		18.00000	20.00000	-2.80000	0.0	0.0	0.039747	-	-	- *
		20.00000	20.00000	-2.80000	0.0	0.0	0.097446	-	-	- *
		22.00000	20.00000	-2.80000	0.0	0.0	0.11717	-	-	- *
		24.00000	20.00000	-2.80000	0.0	0.0	0.10171	-	-	- *
		26.00000	20.00000	-2.80000	0.0	0.0	0.058557	-	-	- *
		28.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	20.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		14.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		16.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		18.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		20.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		22.00000	22.00000	-2.80000	0.0	0.0	0.026329	-	-	- *
		24.00000	22.00000	-2.80000	0.0	0.0	0.034641	-	-	- *
		26.00000	22.00000	-2.80000	0.0	0.0	0.022796	-	-	- *
		28.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	22.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		8.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		10.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		12.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		14.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		16.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		18.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		20.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		22.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		24.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		26.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		28.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		30.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		32.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		34.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		36.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		38.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		40.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		42.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		44.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		46.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		48.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		50.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		52.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		54.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		56.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		58.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		60.00000	24.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-10.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-8.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-6.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-4.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		-2.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		0.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		2.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		4.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *
		6.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	- *

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis	
		8.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		16.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		18.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		20.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		22.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		24.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		26.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		28.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		30.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		32.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		34.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		36.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	26.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		16.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		18.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		20.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		22.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		24.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		26.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		28.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		30.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		32.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		34.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		36.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	28.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-10.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-8.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-6.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-4.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		-2.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		0.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		2.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		4.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		6.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		8.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		10.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		12.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		14.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		16.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		18.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		20.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		22.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		24.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		26.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		28.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		30.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		32.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		34.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		36.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		38.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		40.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		42.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		44.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		46.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		48.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		50.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		52.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		54.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		56.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		58.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
		60.00000	30.00000	-2.80000	0.0	0.0	0.0	-	-	-	*
Law Bdg Infill	Line 1	2.00000	6.00000	-1.50000	0.0	0.0	0.0	0.0	0.0	0.0	*
		1.0667	3.06667	6.00000	-1.50000	0.0	0.0	0.0	0.0	0.0	0.0 *
		2.1333	4.13333	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		3.2000	5.20000	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		4.2667	6.26667	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		5.3333	7.33333	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		6.4000	8.40000	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		7.4667	9.46667	6.00000	-1.50000	0.0	1.8000	0.80079	0.0	1.8000	0.0 *
		8.5333	10.53333	6.00000	-1.50000	-1.2806	0.0	0.82317	-1.2806	0.0	0.0 *
		9.6000	11.60000	6.00000	-1.50000	-0.67500	0.0	0.59929	-0.67500	0.0	0.0 *
		10.667	12.66667	6.00000	-1.50000	-0.27500	0.0	0.52929	-0.27500	0.0	0.0 *
		11.733	13.73333	6.00000	-1.50000	0.0	0.0	0.68414	0.0	0.0	0.0 *
		12.800	14.80000	6.00000	-1.50000	0.049807	-0.0011320	0.87876	0.049807	-0.0011320	0.0 *
		13.867	15.86667	6.00000	-1.50000	0.22266	-0.0055054	1.0727	0.22266	-0.0055054	0.0 *
		14.933	16.93333	6.00000	-1.50000	0.91207	-0.024725	1.5203	0.91207	-0.024725	0.0 *
		16.000	18.00000	6.00000	-1.50000	1.6814	-0.050442	1.9942	1.6814	-0.050442	0.0 *
16 Chenies Wst	Line 2	2.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
		1.1333	3.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		2.2667	4.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		3.4000	5.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		4.5333	6.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		5.6667	7.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		6.8000	8.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		7.9333	9.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		9.0667	11.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		10.200	12.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		11.333	13.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		12.467	14.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		13.600	15.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		14.733	16.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		15.867	17.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		17.000	19.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		18.133	20.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *
		19.267	21.26667	22.00000	-2.80000	0.0	0.0	0.016876	0.0	0.0	0.0 *
		20.400	22.40000	22.00000	-2.80000	0.0	0.0	0.029954	0.0	0.0	0.0 *
		21.533	23.53333	22.00000	-2.80000	0.0	0.0	0.034789	0.0	0.0	0.0 *
		22.667	24.66667	22.00000	-2.80000	0.0	0.0	0.032530	0.0	0.0	0.0 *
		23.800	25.80000	22.00000	-2.80000	0.0	0.0	0.024644	0.0	0.0	0.0 *
		24.933	26.93333	22.00000	-2.80000	0.0	0.0	0.012877	0.0	0.0	0.0 *
		26.067	28.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0 *

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis	
	27.200	29.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	28.333	30.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	29.467	31.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	30.600	32.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	31.733	33.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	32.867	34.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	34.000	36.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	35.133	37.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	36.267	38.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	37.400	39.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	38.533	40.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	39.667	41.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	40.800	42.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	41.933	43.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	43.067	45.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	44.200	46.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	45.333	47.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	46.467	48.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	47.600	49.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	48.733	50.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	49.867	51.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	51.000	53.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
16 Chenies Line 3 Sth		2.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	1.0533	2.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	2.1067	2.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	3.1600	2.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	4.2133	2.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	5.2667	2.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	6.3200	2.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	7.3733	2.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	8.4267	2.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	9.4800	2.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	10.533	2.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	11.587	2.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	12.640	2.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	13.693	2.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	14.747	2.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	15.800	2.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
16 Chenies Line 4 Est		2.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	1.1333	3.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	2.2667	4.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	3.4000	5.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	4.5333	6.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	5.6667	7.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	6.8000	8.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	7.9333	9.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	9.0667	11.06667	6.00000	-2.80000	0.0	0.0	0.19556	0.0	0.0	0.0	*
	10.200	12.20000	6.00000	-2.80000	0.0	0.0	0.40350	0.0	0.0	0.0	*
	11.333	13.33333	6.00000	-2.80000	0.0	0.0	0.61102	0.0	0.0	0.0	*
	12.467	14.46667	6.00000	-2.80000	0.0	0.0	0.81800	0.0	0.0	0.0	*
	13.600	15.60000	6.00000	-2.80000	0.17922	-0.0043360	1.0243	0.17922	-0.0043360	0.0	*
	14.733	16.73333	6.00000	-2.80000	0.76836	-0.020459	1.4308	0.76836	-0.020459	0.0	*
	15.867	17.86667	6.00000	-2.80000	1.5849	-0.046922	1.9350	1.5849	-0.046922	0.0	*
	17.000	19.00000	6.00000	-2.80000	2.4083	-0.080275	2.4418	2.4083	-0.080275	0.0	*
	18.133	20.13333	6.00000	-2.80000	3.2399	-0.12356	2.9683	3.2399	-0.12356	0.0	*
	19.267	21.26667	6.00000	-2.80000	4.0796	-0.18176	3.5301	4.0796	-0.18176	0.0	*
	20.400	22.40000	6.00000	-2.80000	4.9233	-0.26375	4.1396	4.9233	-0.26375	0.0	*
	21.533	23.53333	6.00000	-2.80000	5.7584	-0.38676	4.8024	5.7584	-0.38676	0.0	*
	22.667	24.66667	6.00000	-2.80000	6.5485	-0.58936	5.5054	6.5485	-0.58936	0.0	*
	23.800	25.80000	6.00000	-2.80000	7.1701	-0.97774	6.1699	7.1701	-0.97774	0.0	*
	24.933	26.93333	6.00000	-2.80000	6.9453	-1.9534	6.3241	6.9453	-1.9534	0.0	*
	26.067	28.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	27.200	29.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	28.333	30.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	29.467	31.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	30.600	32.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	31.733	33.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	32.867	34.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	34.000	36.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	35.133	37.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	36.267	38.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	37.400	39.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	38.533	40.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	39.667	41.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	40.800	42.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	41.933	43.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	43.067	45.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	44.200	46.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	45.333	47.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	46.467	48.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	47.600	49.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	48.733	50.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	49.867	51.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
	51.000	53.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0	0.0	0.0	*
16 Chenies Line 5 Nth		53.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	1.0533	53.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	2.1067	53.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	3.1600	53.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	4.2133	53.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	5.2667	53.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	6.3200	53.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	7.3733	53.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	8.4267	53.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	9.4800	53.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	10.533	53.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	11.587	53.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	12.640	53.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	13.693	53.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	14.747	53.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
	15.800	53.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	270.00	*
18 Chenies Line 6 Retained Wall		39.00000	-13.60000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	0.98000	39.00000	-12.62000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	1.9600	39.00000	-11.64000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	2.9400	39.00000	-10.66000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	3.9200	39.00000	-9.68000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	4.9000	39.00000	-8.70000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	5.8800	39.00000	-7.72000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	6.8600	39.00000	-6.74000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	7.8400	39.00000	-5.76000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	8.8200	39.00000	-4.78000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	9.8000	39.00000	-3.80000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	10.780	39.00000	-2.82000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	11.760	39.00000	-1.84000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	12.740	39.00000	-0.86000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	13.720	39.00000	0.12000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	14.700	39.00000	1.10000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	15.680	39.00000	2.08000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	16.660	39.00000	3.06000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	17.640	39.00000	4.04000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	18.620	39.00000	5.02000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
	19.600	39.00000	6.00000	-3.50000	0.0	0.0	0.0	0.0	0.0	90.000	*
Law Bdg Nth	Line 7	21.60000	4.00000	-2.80000	6.7940	0.81366	5.1595	-0.81366	6.7940	270.00	*
	1.0500	21.60000	2.95000	-2.80000	6.6390	0.79509	5.0523	-0.79509	6.6390	270.00	*
	2.1000	21.60000	1.90000	-2.80000	6.4844	0.77657	4.9466	-0.77657	6.4844	270.00	*
	3.1500	21.60000	0.85000	-2.80000	6.3300	0.75809	4.8421	-0.75809	6.3300	270.00	*
	4.2000	21.60000	-0.20000	-2.80000	6.1760	0.73964	4.7390	-0.73964	6.1760	270.00	*
	5.2500	21.60000	-1.25000	-2.80000	6.0223	0.72123	4.6372	-0.72123	6.0223	270.00	*
	6.3000	21.60000	-2.30000	-2.80000	5.8689	0.70286	4.5366	-0.70286	5.8689	270.00	*
	7.3500	21.60000	-3.35000	-2.80000	5.7158	0.68453	4.4371	-0.68453	5.7158	270.00	*
	8.4000	21.60000	-4.40000	-2.80000	5.5630	0.66623	4.3388	-0.66623	5.5630	270.00	*
	9.4500	21.60000	-5.45000	-2.80000	5.4105	0.64796	4.2416	-0.64796	5.4105	270.00	*
	10.500	21.60000	-6.50000	-2.80000	5.2582	0.62973	4.1454	-0.62973	5.2582	270.00	*
	11.550	21.60000	-7.55000	-2.80000	5.1063	0.61153	4.0503	-0.61153	5.1063	270.00	*
	12.600	21.60000	-8.60000	-2.80000	4.9546	0.59337	3.9560	-0.59337	4.9546	270.00	*
	13.650	21.60000	-9.65000	-2.80000	4.8032	0.57523	3.8627	-0.57523	4.8032	270.00	*

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal dispalcement	Horizontal displacement	Angle of Line to x Axis	
	14.700	21.60000	-10.70000	-2.80000	4.6520	0.55713	3.7702	-0.55713	4.6520	270.00	*
	15.750	21.60000	-11.75000	-2.80000	4.5011	0.53905	3.6786	-0.53905	4.5011	270.00	*
	16.800	21.60000	-12.80000	-2.80000	3.1008	0.66446	2.8967	-0.66446	3.1008	270.00	*
	17.850	21.60000	-13.85000	-2.80000	2.6316	0.89287	2.5622	-0.89287	2.6316	270.00	*
	18.900	21.60000	-14.90000	-2.80000	2.1164	0.98263	2.2063	-0.98263	2.1164	270.00	*
	19.950	21.60000	-15.95000	-2.80000	1.5990	0.94228	1.8446	-0.94228	1.5990	270.00	*
	21.000	21.60000	-17.00000	-2.80000	1.1087	0.79193	1.4868	-0.79193	1.1087	270.00	*
Law Bbg Est	Line 8	21.60000	-17.10000	-2.80000	1.0641	0.77274	1.4531	-1.0641	-0.77274	180.00	*
	1.0800	20.52000	-17.10000	-2.80000	0.59656	0.38386	1.1426	-0.59656	-0.38386	180.00	*
	2.1600	19.44000	-17.10000	-2.80000	0.14555	0.084079	0.83734	-0.14555	-0.084079	180.00	*
	3.2400	18.36000	-17.10000	-2.80000	0.043352	0.022719	0.72836	-0.043352	-0.022719	180.00	*
	4.3200	17.28000	-17.10000	-2.80000	0.0	0.0	0.60268	0.0	0.0	180.00	*
	5.4000	16.20000	-17.10000	-2.80000	0.0	0.0	0.46322	0.0	0.0	180.00	*
	6.4800	15.12000	-17.10000	-2.80000	0.0	0.0	0.31232	0.0	0.0	180.00	*
	7.5600	14.04000	-17.10000	-2.80000	0.0	0.0	0.15184	0.0	0.0	180.00	*
	8.6400	12.96000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	9.7200	11.88000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	10.800	10.80000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	11.880	9.72000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	12.960	8.64000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	14.040	7.56000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	15.120	6.48000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	16.200	5.40000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	17.280	4.32000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	18.360	3.24000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	19.440	2.16000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	20.520	1.08000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*
	21.600	0.00000	-17.10000	-2.80000	0.0	0.0	0.0	0.0	0.0	180.00	*

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Structure: Law Building | Sub-structure: Infill

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	2.00000	6.00000	-1.50000	0.0	0.0	0.0	0.0	d
1.0667	3.06667	6.00000	-1.50000	0.0	0.0	0.0	0.0	d
2.1333	4.13333	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
3.2000	5.20000	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
4.2667	6.26667	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
5.3333	7.33333	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
6.4000	8.40000	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
7.4667	9.46667	6.00000	-1.50000	0.0	1.8000	0.0	1.8000	d
8.5333	10.53333	6.00000	-1.50000	-1.2806	0.0	-1.2806	0.0	d
9.6000	11.60000	6.00000	-1.50000	-0.67500	0.0	-0.67500	0.0	d
10.667	12.66667	6.00000	-1.50000	-0.27500	0.0	-0.27500	0.0	d
11.733	13.73333	6.00000	-1.50000	0.0	0.0	0.0	0.0	d
12.800	14.80000	6.00000	-1.50000	0.049807	-0.0011320	0.049807	-0.0011320	d
13.867	15.86667	6.00000	-1.50000	0.22266	-0.0055054	0.22266	-0.0055054	d
14.933	16.93333	6.00000	-1.50000	0.91207	-0.024725	0.91207	-0.024725	d
16.000	18.00000	6.00000	-1.50000	1.6814	-0.050442	1.6814	-0.050442	d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: West

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	2.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
1.1333	3.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
2.2667	4.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
3.4000	5.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
4.5333	6.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
5.6667	7.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
6.8000	8.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
7.9333	9.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
9.0667	11.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
10.200	12.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
11.333	13.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
12.467	14.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
13.600	15.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
14.733	16.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
15.867	17.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
17.000	19.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
18.133	20.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
19.267	21.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
20.400	22.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
21.533	23.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
22.667	24.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
23.800	25.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
24.933	26.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
26.067	28.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
27.200	29.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
28.333	30.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
29.467	31.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
30.600	32.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
31.733	33.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
32.867	34.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
34.000	36.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
35.133	37.13333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
36.267	38.26667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
37.400	39.40000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
38.533	40.53333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
39.667	41.66667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
40.800	42.80000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
41.933	43.93333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
43.067	45.06667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
44.200	46.20000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
45.333	47.33333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
46.467	48.46667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
47.600	49.60000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
48.733	50.73333	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
49.867	51.86667	22.00000	-2.80000	0.0	0.0	0.0	0.0	d
51.000	53.00000	22.00000	-2.80000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: South

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	2.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0	d
1.0533	2.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0	d
2.1067	2.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0	d
3.1600	2.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0	d
4.2133	2.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0	d
5.2667	2.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0	d
6.3200	2.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0	d
7.3733	2.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0	d
8.4267	2.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0	d
9.4800	2.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0	d
10.533	2.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0	d
11.587	2.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0	d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
12.640	2.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0 d
13.693	2.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0 d
14.747	2.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0 d
15.800	2.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: East

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	2.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
1.1333	3.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
2.2667	4.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
3.4000	5.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
4.5333	6.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
5.6667	7.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
6.8000	8.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
7.9333	9.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
9.0667	11.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
10.200	12.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
11.333	13.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
12.467	14.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
13.600	15.60000	6.00000	-2.80000	0.17922	-0.0043360	0.17922	-0.0043360 d
14.733	16.73333	6.00000	-2.80000	0.76836	-0.020459	0.76836	-0.020459 d
15.867	17.86667	6.00000	-2.80000	1.5849	-0.046922	1.5849	-0.046922 d
17.000	19.00000	6.00000	-2.80000	2.4083	-0.080275	2.4083	-0.080275 d
18.133	20.13333	6.00000	-2.80000	3.2399	-0.12356	3.2399	-0.12356 d
19.267	21.26667	6.00000	-2.80000	4.0796	-0.18176	4.0796	-0.18176 d
20.400	22.40000	6.00000	-2.80000	4.9233	-0.26375	4.9233	-0.26375 d
21.533	23.53333	6.00000	-2.80000	5.7584	-0.38676	5.7584	-0.38676 d
22.667	24.66667	6.00000	-2.80000	6.5485	-0.58936	6.5485	-0.58936 d
23.800	25.80000	6.00000	-2.80000	7.1701	-0.97774	7.1701	-0.97774 d
24.933	26.93333	6.00000	-2.80000	6.9453	-1.9534	6.9453	-1.9534 d
26.067	28.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
27.200	29.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
28.333	30.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
29.467	31.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
30.600	32.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
31.733	33.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
32.867	34.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
34.000	36.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
35.133	37.13333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
36.267	38.26667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
37.400	39.40000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
38.533	40.53333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
39.667	41.66667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
40.800	42.80000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
41.933	43.93333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
43.067	45.06667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
44.200	46.20000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
45.333	47.33333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
46.467	48.46667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
47.600	49.60000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
48.733	50.73333	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
49.867	51.86667	6.00000	-2.80000	0.0	0.0	0.0	0.0 d
51.000	53.00000	6.00000	-2.80000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: North

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	53.00000	21.90000	-2.80000	0.0	0.0	0.0	0.0 d
1.0533	53.00000	20.84667	-2.80000	0.0	0.0	0.0	0.0 d
2.1067	53.00000	19.79333	-2.80000	0.0	0.0	0.0	0.0 d
3.1600	53.00000	18.74000	-2.80000	0.0	0.0	0.0	0.0 d
4.2133	53.00000	17.68667	-2.80000	0.0	0.0	0.0	0.0 d
5.2667	53.00000	16.63333	-2.80000	0.0	0.0	0.0	0.0 d
6.3200	53.00000	15.58000	-2.80000	0.0	0.0	0.0	0.0 d
7.3733	53.00000	14.52667	-2.80000	0.0	0.0	0.0	0.0 d
8.4267	53.00000	13.47333	-2.80000	0.0	0.0	0.0	0.0 d
9.4800	53.00000	12.42000	-2.80000	0.0	0.0	0.0	0.0 d
10.533	53.00000	11.36667	-2.80000	0.0	0.0	0.0	0.0 d
11.587	53.00000	10.31333	-2.80000	0.0	0.0	0.0	0.0 d
12.640	53.00000	9.26000	-2.80000	0.0	0.0	0.0	0.0 d
13.693	53.00000	8.20667	-2.80000	0.0	0.0	0.0	0.0 d
14.747	53.00000	7.15333	-2.80000	0.0	0.0	0.0	0.0 d
15.800	53.00000	6.10000	-2.80000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: 18 Chenies | Sub-structure: Retained Wall

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.00000	-13.60000	-3.50000	0.0	0.0	0.0	0.0 d
0.98000	39.00000	-12.62000	-3.50000	0.0	0.0	0.0	0.0 d
1.9600	39.00000	-11.64000	-3.50000	0.0	0.0	0.0	0.0 d
2.9400	39.00000	-10.66000	-3.50000	0.0	0.0	0.0	0.0 d
3.9200	39.00000	-9.68000	-3.50000	0.0	0.0	0.0	0.0 d
4.9000	39.00000	-8.70000	-3.50000	0.0	0.0	0.0	0.0 d
5.8800	39.00000	-7.72000	-3.50000	0.0	0.0	0.0	0.0 d
6.8600	39.00000	-6.74000	-3.50000	0.0	0.0	0.0	0.0 d
7.8400	39.00000	-5.76000	-3.50000	0.0	0.0	0.0	0.0 d
8.8200	39.00000	-4.78000	-3.50000	0.0	0.0	0.0	0.0 d
9.8000	39.00000	-3.80000	-3.50000	0.0	0.0	0.0	0.0 d
10.780	39.00000	-2.82000	-3.50000	0.0	0.0	0.0	0.0 d
11.760	39.00000	-1.84000	-3.50000	0.0	0.0	0.0	0.0 d
12.740	39.00000	-0.86000	-3.50000	0.0	0.0	0.0	0.0 d
13.720	39.00000	0.12000	-3.50000	0.0	0.0	0.0	0.0 d
14.700	39.00000	1.10000	-3.50000	0.0	0.0	0.0	0.0 d
15.680	39.00000	2.08000	-3.50000	0.0	0.0	0.0	0.0 d
16.660	39.00000	3.06000	-3.50000	0.0	0.0	0.0	0.0 d
17.640	39.00000	4.04000	-3.50000	0.0	0.0	0.0	0.0 d
18.620	39.00000	5.02000	-3.50000	0.0	0.0	0.0	0.0 d
19.600	39.00000	6.00000	-3.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Law Building | Sub-structure: North

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.60000	4.00000	-2.80000	6.7940	0.81366	-0.81366	6.7940 d
1.0500	21.60000	2.95000	-2.80000	6.6390	0.79509	-0.79509	6.6390 d
2.1000	21.60000	1.90000	-2.80000	6.4844	0.77657	-0.77657	6.4844 d
3.1500	21.60000	0.85000	-2.80000	6.3300	0.75809	-0.75809	6.3300 d
4.2000	21.60000	-0.20000	-2.80000	6.1760	0.73964	-0.73964	6.1760 d
5.2500	21.60000	-1.25000	-2.80000	6.0223	0.72123	-0.72123	6.0223 d
6.3000	21.60000	-2.30000	-2.80000	5.8689	0.70286	-0.70286	5.8689 d
7.3500	21.60000	-3.35000	-2.80000	5.7158	0.68453	-0.68453	5.7158 d

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
8.4000	21.60000	-4.40000	-2.80000	5.5630	0.66623	-0.66623	5.5630 d
9.4500	21.60000	-5.45000	-2.80000	5.4105	0.64796	-0.64796	5.4105 d
10.500	21.60000	-6.50000	-2.80000	5.2582	0.62973	-0.62973	5.2582 d
11.550	21.60000	-7.55000	-2.80000	5.1063	0.61153	-0.61153	5.1063 d
12.600	21.60000	-8.60000	-2.80000	4.9546	0.59337	-0.59337	4.9546 d
13.650	21.60000	-9.65000	-2.80000	4.8032	0.57523	-0.57523	4.8032 d
14.700	21.60000	-10.70000	-2.80000	4.6520	0.55713	-0.55713	4.6520 d
15.750	21.60000	-11.75000	-2.80000	4.5011	0.53905	-0.53905	4.5011 d
16.800	21.60000	-12.80000	-2.80000	3.1008	0.66446	-0.66446	3.1008 d
17.850	21.60000	-13.85000	-2.80000	2.6316	0.89287	-0.89287	2.6316 d
18.900	21.60000	-14.90000	-2.80000	2.1164	0.98263	-0.98263	2.1164 d
19.950	21.60000	-15.95000	-2.80000	1.5990	0.94228	-0.94228	1.5990 d
21.000	21.60000	-17.00000	-2.80000	1.1087	0.79193	-0.79193	1.1087 d

d - Displacements include imported displacements.

Structure: Law Building | Sub-structure: East

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.60000	-17.10000	-2.80000	1.0641	0.77274	-1.0641	-0.77274 d
1.0800	20.52000	-17.10000	-2.80000	0.59656	0.38386	-0.59656	-0.38386 d
2.1600	19.44000	-17.10000	-2.80000	0.14555	0.084079	-0.14555	-0.084079 d
3.2400	18.36000	-17.10000	-2.80000	0.043352	0.022719	-0.043352	-0.022719 d
4.3200	17.28000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
5.4000	16.20000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
6.4800	15.12000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
7.5600	14.04000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
8.6400	12.96000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
9.7200	11.88000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
10.800	10.80000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
11.880	9.72000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
12.960	8.64000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
14.040	7.56000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
15.120	6.48000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
16.200	5.40000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
17.280	4.32000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
18.360	3.24000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
19.440	2.16000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
20.520	1.08000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d
21.600	0.00000	-17.10000	-2.80000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: Law Building | Sub-structure: Infill

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	6.00000	-1.50000	0.0 d
1.0667	3.06667	6.00000	-1.50000	0.0 d
2.1333	4.13333	6.00000	-1.50000	0.80079 d
3.2000	5.20000	6.00000	-1.50000	0.80079 d
4.2667	6.26667	6.00000	-1.50000	0.80079 d
5.3333	7.33333	6.00000	-1.50000	0.80079 d
6.4000	8.40000	6.00000	-1.50000	0.80079 d
7.4667	9.46667	6.00000	-1.50000	0.80079 d
8.5333	10.53333	6.00000	-1.50000	0.82317 d
9.6000	11.60000	6.00000	-1.50000	0.59929 d
10.667	12.66667	6.00000	-1.50000	0.52929 d
11.733	13.73333	6.00000	-1.50000	0.68414 d
12.800	14.80000	6.00000	-1.50000	0.87876 d
13.867	15.86667	6.00000	-1.50000	1.0727 d
14.933	16.93333	6.00000	-1.50000	1.5203 d
16.000	18.00000	6.00000	-1.50000	1.9942 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: West

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	22.00000	-2.80000	0.0 d
1.1333	3.13333	22.00000	-2.80000	0.0 d
2.2667	4.26667	22.00000	-2.80000	0.0 d
3.4000	5.40000	22.00000	-2.80000	0.0 d
4.5333	6.53333	22.00000	-2.80000	0.0 d
5.6667	7.66667	22.00000	-2.80000	0.0 d
6.8000	8.80000	22.00000	-2.80000	0.0 d
7.9333	9.93333	22.00000	-2.80000	0.0 d
9.0667	11.06667	22.00000	-2.80000	0.0 d
10.200	12.20000	22.00000	-2.80000	0.0 d
11.333	13.33333	22.00000	-2.80000	0.0 d
12.467	14.46667	22.00000	-2.80000	0.0 d
13.600	15.60000	22.00000	-2.80000	0.0 d
14.733	16.73333	22.00000	-2.80000	0.0 d
15.867	17.86667	22.00000	-2.80000	0.0 d
17.000	19.00000	22.00000	-2.80000	0.0 d
18.133	20.13333	22.00000	-2.80000	0.0 d
19.267	21.26667	22.00000	-2.80000	0.016876 d
20.400	22.40000	22.00000	-2.80000	0.029954 d
21.533	23.53333	22.00000	-2.80000	0.034789 d
22.667	24.66667	22.00000	-2.80000	0.032530 d
23.800	25.80000	22.00000	-2.80000	0.024644 d
24.933	26.93333	22.00000	-2.80000	0.012877 d
26.067	28.06667	22.00000	-2.80000	0.0 d
27.200	29.20000	22.00000	-2.80000	0.0 d
28.333	30.33333	22.00000	-2.80000	0.0 d
29.467	31.46667	22.00000	-2.80000	0.0 d
30.600	32.60000	22.00000	-2.80000	0.0 d
31.733	33.73333	22.00000	-2.80000	0.0 d
32.867	34.86667	22.00000	-2.80000	0.0 d
34.000	36.00000	22.00000	-2.80000	0.0 d
35.133	37.13333	22.00000	-2.80000	0.0 d
36.267	38.26667	22.00000	-2.80000	0.0 d
37.400	39.40000	22.00000	-2.80000	0.0 d
38.533	40.53333	22.00000	-2.80000	0.0 d
39.667	41.66667	22.00000	-2.80000	0.0 d
40.800	42.80000	22.00000	-2.80000	0.0 d
41.933	43.93333	22.00000	-2.80000	0.0 d
43.067	45.06667	22.00000	-2.80000	0.0 d
44.200	46.20000	22.00000	-2.80000	0.0 d
45.333	47.33333	22.00000	-2.80000	0.0 d
46.467	48.46667	22.00000	-2.80000	0.0 d
47.600	49.60000	22.00000	-2.80000	0.0 d
48.733	50.73333	22.00000	-2.80000	0.0 d
49.867	51.86667	22.00000	-2.80000	0.0 d
51.000	53.00000	22.00000	-2.80000	0.0 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: South

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

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
0.0	2.00000	21.90000	-2.80000	0.0 d
1.0533	2.00000	20.84667	-2.80000	0.0 d
2.1067	2.00000	19.79333	-2.80000	0.0 d
3.1600	2.00000	18.74000	-2.80000	0.0 d
4.2133	2.00000	17.68667	-2.80000	0.0 d
5.2667	2.00000	16.63333	-2.80000	0.0 d
6.3200	2.00000	15.58000	-2.80000	0.0 d
7.3733	2.00000	14.52667	-2.80000	0.0 d
8.4267	2.00000	13.47333	-2.80000	0.0 d
9.4800	2.00000	12.42000	-2.80000	0.0 d
10.533	2.00000	11.36667	-2.80000	0.0 d
11.587	2.00000	10.31333	-2.80000	0.0 d
12.640	2.00000	9.26000	-2.80000	0.0 d
13.693	2.00000	8.20667	-2.80000	0.0 d
14.747	2.00000	7.15333	-2.80000	0.0 d
15.800	2.00000	6.10000	-2.80000	0.0 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: East

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	2.00000	6.00000	-2.80000	0.0 d
1.1333	3.13333	6.00000	-2.80000	0.0 d
2.2667	4.26667	6.00000	-2.80000	0.0 d
3.4000	5.40000	6.00000	-2.80000	0.0 d
4.5333	6.53333	6.00000	-2.80000	0.0 d
5.6667	7.66667	6.00000	-2.80000	0.0 d
6.8000	8.80000	6.00000	-2.80000	0.0 d
7.9333	9.93333	6.00000	-2.80000	0.0 d
9.0667	11.06667	6.00000	-2.80000	0.19556 d
10.200	12.20000	6.00000	-2.80000	0.40350 d
11.333	13.33333	6.00000	-2.80000	0.61102 d
12.467	14.46667	6.00000	-2.80000	0.81800 d
13.600	15.60000	6.00000	-2.80000	1.0243 d
14.733	16.73333	6.00000	-2.80000	1.4308 d
15.867	17.86667	6.00000	-2.80000	1.9350 d
17.000	19.00000	6.00000	-2.80000	2.4418 d
18.133	20.13333	6.00000	-2.80000	2.9683 d
19.267	21.26667	6.00000	-2.80000	3.5301 d
20.400	22.40000	6.00000	-2.80000	4.1396 d
21.533	23.53333	6.00000	-2.80000	4.8024 d
22.667	24.66667	6.00000	-2.80000	5.5054 d
23.800	25.80000	6.00000	-2.80000	6.1699 d
24.933	26.93333	6.00000	-2.80000	6.3241 d
26.067	28.06667	6.00000	-2.80000	0.0 d
27.200	29.20000	6.00000	-2.80000	0.0 d
28.333	30.33333	6.00000	-2.80000	0.0 d
29.467	31.46667	6.00000	-2.80000	0.0 d
30.600	32.60000	6.00000	-2.80000	0.0 d
31.733	33.73333	6.00000	-2.80000	0.0 d
32.867	34.86667	6.00000	-2.80000	0.0 d
34.000	36.00000	6.00000	-2.80000	0.0 d
35.133	37.13333	6.00000	-2.80000	0.0 d
36.267	38.26667	6.00000	-2.80000	0.0 d
37.400	39.40000	6.00000	-2.80000	0.0 d
38.533	40.53333	6.00000	-2.80000	0.0 d
39.667	41.66667	6.00000	-2.80000	0.0 d
40.800	42.80000	6.00000	-2.80000	0.0 d
41.933	43.93333	6.00000	-2.80000	0.0 d
43.067	45.06667	6.00000	-2.80000	0.0 d
44.200	46.20000	6.00000	-2.80000	0.0 d
45.333	47.33333	6.00000	-2.80000	0.0 d
46.467	48.46667	6.00000	-2.80000	0.0 d
47.600	49.60000	6.00000	-2.80000	0.0 d
48.733	50.73333	6.00000	-2.80000	0.0 d
49.867	51.86667	6.00000	-2.80000	0.0 d
51.000	53.00000	6.00000	-2.80000	0.0 d

d - Displacements include imported displacements.

Structure: 16 Chenies | Sub-structure: North

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	53.00000	21.90000	-2.80000	0.0 d
1.0533	53.00000	20.84667	-2.80000	0.0 d
2.1067	53.00000	19.79333	-2.80000	0.0 d
3.1600	53.00000	18.74000	-2.80000	0.0 d
4.2133	53.00000	17.68667	-2.80000	0.0 d
5.2667	53.00000	16.63333	-2.80000	0.0 d
6.3200	53.00000	15.58000	-2.80000	0.0 d
7.3733	53.00000	14.52667	-2.80000	0.0 d
8.4267	53.00000	13.47333	-2.80000	0.0 d
9.4800	53.00000	12.42000	-2.80000	0.0 d
10.533	53.00000	11.36667	-2.80000	0.0 d
11.587	53.00000	10.31333	-2.80000	0.0 d
12.640	53.00000	9.26000	-2.80000	0.0 d
13.693	53.00000	8.20667	-2.80000	0.0 d
14.747	53.00000	7.15333	-2.80000	0.0 d
15.800	53.00000	6.10000	-2.80000	0.0 d

d - Displacements include imported displacements.

Structure: 18 Chenies | Sub-structure: Retained Wall

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	39.00000	-13.60000	-3.50000	0.0 d
0.98000	39.00000	-12.62000	-3.50000	0.0 d
1.9600	39.00000	-11.64000	-3.50000	0.0 d
2.9400	39.00000	-10.66000	-3.50000	0.0 d
3.9200	39.00000	-9.68000	-3.50000	0.0 d
4.9000	39.00000	-8.70000	-3.50000	0.0 d
5.8800	39.00000	-7.72000	-3.50000	0.0 d
6.8600	39.00000	-6.74000	-3.50000	0.0 d
7.8400	39.00000	-5.76000	-3.50000	0.0 d
8.8200	39.00000	-4.78000	-3.50000	0.0 d
9.8000	39.00000	-3.80000	-3.50000	0.0 d
10.780	39.00000	-2.82000	-3.50000	0.0 d
11.760	39.00000	-1.84000	-3.50000	0.0 d
12.740	39.00000	-0.86000	-3.50000	0.0 d
13.720	39.00000	0.12000	-3.50000	0.0 d
14.700	39.00000	1.10000	-3.50000	0.0 d
15.680	39.00000	2.08000	-3.50000	0.0 d
16.660	39.00000	3.06000	-3.50000	0.0 d
17.640	39.00000	4.04000	-3.50000	0.0 d
18.620	39.00000	5.02000	-3.50000	0.0 d
19.600	39.00000	6.00000	-3.50000	0.0 d

d - Displacements include imported displacements.

Structure: Law Building | Sub-structure: North

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	21.60000	4.00000	-2.80000	5.1595 d

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
1.0500	21.60000	2.95000	-2.80000	5.0523	d
2.1000	21.60000	1.90000	-2.80000	4.9466	d
3.1500	21.60000	0.85000	-2.80000	4.8421	d
4.2000	21.60000	-0.20000	-2.80000	4.7390	d
5.2500	21.60000	-1.25000	-2.80000	4.6372	d
6.3000	21.60000	-2.30000	-2.80000	4.5366	d
7.3500	21.60000	-3.35000	-2.80000	4.4371	d
8.4000	21.60000	-4.40000	-2.80000	4.3388	d
9.4500	21.60000	-5.45000	-2.80000	4.2416	d
10.500	21.60000	-6.50000	-2.80000	4.1454	d
11.550	21.60000	-7.55000	-2.80000	4.0503	d
12.600	21.60000	-8.60000	-2.80000	3.9560	d
13.650	21.60000	-9.65000	-2.80000	3.8627	d
14.700	21.60000	-10.70000	-2.80000	3.7702	d
15.750	21.60000	-11.75000	-2.80000	3.6786	d
16.800	21.60000	-12.80000	-2.80000	2.8967	d
17.850	21.60000	-13.85000	-2.80000	2.5622	d
18.900	21.60000	-14.90000	-2.80000	2.2063	d
19.950	21.60000	-15.95000	-2.80000	1.8446	d
21.000	21.60000	-17.00000	-2.80000	1.4868	d

d - Displacements include imported displacements.

Structure: Law Building | Sub-structure: East

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	21.60000	-17.10000	-2.80000	1.4531	d
1.0800	20.52000	-17.10000	-2.80000	1.1426	d
2.1600	19.44000	-17.10000	-2.80000	0.83734	d
3.2400	18.36000	-17.10000	-2.80000	0.72836	d
4.3200	17.28000	-17.10000	-2.80000	0.60268	d
5.4000	16.20000	-17.10000	-2.80000	0.46322	d
6.4800	15.12000	-17.10000	-2.80000	0.31232	d
7.5600	14.04000	-17.10000	-2.80000	0.15184	d
8.6400	12.96000	-17.10000	-2.80000	0.0	d
9.7200	11.88000	-17.10000	-2.80000	0.0	d
10.800	10.80000	-17.10000	-2.80000	0.0	d
11.880	9.72000	-17.10000	-2.80000	0.0	d
12.960	8.64000	-17.10000	-2.80000	0.0	d
14.040	7.56000	-17.10000	-2.80000	0.0	d
15.120	6.48000	-17.10000	-2.80000	0.0	d
16.200	5.40000	-17.10000	-2.80000	0.0	d
17.280	4.32000	-17.10000	-2.80000	0.0	d
18.360	3.24000	-17.10000	-2.80000	0.0	d
19.440	2.16000	-17.10000	-2.80000	0.0	d
20.520	1.08000	-17.10000	-2.80000	0.0	d
21.600	0.00000	-17.10000	-2.80000	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: Law Building | Sub-structure: Infill

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]	
0.0	1	2.1333	2.1333	None	0.0	0.0	0.0	0.0	-750.74E-6	5683.3	0 (Negligible)
	2	4.2667	1.0667	None	0.0	0.0	0.0	0.0	0.0	-	0 (Negligible)
	3	5.3333	1.1734	Sagging	0.0	0.0	0.0	0.0	0.0	203190.	0 (Negligible)
	4	6.5068	2.5869	Sagging	0.0037182	-0.037204	0.0077381	0.0012020	209.77E-6	14450.	0 (Negligible)
	5	9.0937	6.5699	Hogging	0.0072878	0.036549	0.040133	-720.73E-6	-443.89E-6	7148.3	0 (Negligible)
	6	15.664	0.23637	Sagging	0.0	0.072125	0.072125	-720.73E-6	-443.89E-6	43337.	1 (Very Slight)

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

Structure: 16 Chenies | Sub-structure: West

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 16 Chenies | Sub-structure: South

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 16 Chenies | Sub-structure: East

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]	
0.0	1	9.0667	2.0784	Sagging	9.2618E-6	0.0	9.1910E-6	0.0	-183.48E-6	23365.	0 (Negligible)
	2	11.145	0.20064	Sagging	2.6863E-6	0.0	2.6822E-6	0.0	-183.10E-6	2.3676E+6	0 (Negligible)
	3	11.346	10.356	Hogging	0.0056413	0.056738	0.059474	-743.92E-6	-619.88E-6	10433.	1 (Very Slight)
	4	21.702	3.2318	Sagging	0.010554	0.033096	0.036342	0.0061660	0.0056145	676.91	0 (Negligible)

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

Structure: 16 Chenies | Sub-structure: North

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]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: 18 Chenies | Sub-structure: Retained Wall

Vertical Offset	Segment	Start	Length	Curvature	Deflection	Average	Max.	Maximum	Maximum	Min.	Damage

from Line for Vertical Movement Calculations				Ratio	Horizontal Strain	Tensile Strain	Gradient of Horizontal Displacement Curve	Gradient of Vertical Displacement Curve	Radius of Curvature	Category
[m]		[m]	[m]	[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

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

Structure: Law Building | Sub-structure: North

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]	
0.0	1	0.0	13.655	Hogging	178.96E-6	0.0017467	0.0018301	-17.678E-6	102.09E-6	777320.	0 (Negligible)
	2	13.655	2.9723	Sagging	0.013566	-0.0023120	0.012649	119.45E-6	744.76E-6	4757.3	0 (Negligible)
	3	16.627	2.2019	Hogging	0.0029956	-0.015111	0.0035036	217.58E-6	744.76E-6	11060.	0 (Negligible)
	4	18.829	0.91464	Sagging	38.895E-6	0.0028866	0.0028892	85.490E-6	344.44E-6	153980.	0 (Negligible)
	5	19.744	1.1559	Hogging	54.126E-6	0.012453	0.012455	-143.17E-6	344.44E-6	171340.	0 (Negligible)

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

Structure: Law Building | Sub-structure: East

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]	
0.0	1	0.0	0.48112	None	0.0	0.043290	0.043290	-432.72E-6	287.37E-6	27426.	0 (Negligible)
	2	0.48112	3.5449	Hogging	0.0043997	0.023810	0.024470	-432.72E-6	287.37E-6	12279.	0 (Negligible)
	3	4.0260	2.5847	Sagging	353.24E-6	456.63E-6	628.75E-6	-40.139E-6	148.60E-6	83993.	0 (Negligible)
	4	6.6107	0.94935	Hogging	0.0	0.0	0.0	0.0	148.60E-6	29242.	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: Law Building | Sub-structure: Infill

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	0.0072878	0.072125	-750.74E-6	1.9497	0.072125	0.0012020	-750.74E-6	7148.3	14450.	1 (Very Slight)

Structure: 16 Chenies | Sub-structure: West

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: 16 Chenies | Sub-structure: South

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: 16 Chenies | Sub-structure: East

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	0.010554	0.056738	0.0056145	6.3241	0.059474	0.0061660	0.0056145	10433.	676.91	1 (Very Slight)

Structure: 16 Chenies | Sub-structure: North

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: 18 Chenies | Sub-structure: Retained Wall

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: Law Building | Sub-structure: North

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	0.013566	-0.015111	744.76E-6	5.1595	0.012649	217.58E-6	744.76E-6	11060.	4757.3	0 (Negligible)

Structure: Law Building | Sub-structure: East

Vertical	Deflection	Average	Maximum	Maximum	Max.	Maximum	Maximum	Min.	Min.	Damage Category

Offset from Line for Vertical Movement Calculations	Ratio	Horizontal Strain	Slope	Settlement	Tensile Strain	Gradient of Horizontal Displacement Curve	Gradient of Vertical Displacement Curve	Radius of Curvature (Hogging)	Radius of Curvature (Sagging)	
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0043997	0.043290	287.37E-6	1.4531	0.043290	-432.72E-6	287.37E-6	12279.	83993.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

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
				[m]	[m]			[mm]	[%]	[m]	[m]	
Law Building	Maximum Slope	Infill	1	2.1333	4.2667	Sagging	**750.74E-6**	0.80079	0.0	-	5683.3	0 (Negligible)
	Maximum Settlement	North	1	0.0	13.655	Hogging	102.09E-6	**5.1595**	0.0018301	777320.	-	0 (Negligible)
	Max. Tensile Strain	Infill	6	15.664	15.900	Sagging	443.89E-6	1.9497	**0.072125**	-	43337.	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	Infill	5	9.0937	15.664	Hogging	443.89E-6	1.8447	0.040133	**7148.3**	-	0 (Negligible)
	Min. Radius of Curvature (Sagging)	North	2	13.655	16.627	Sagging	744.76E-6	3.8623	0.012649	-	**4757.3**	0 (Negligible)
16 Chenies	Maximum Slope	East	4	21.702	24.933	Sagging	**0.0056145**	6.3241	0.036342	-	676.91	0 (Negligible)
	Maximum Settlement	East	4	21.702	24.933	Sagging	0.0056145	**6.3241**	0.036342	-	676.91	0 (Negligible)
	Max. Tensile Strain	East	3	11.346	21.702	Hogging	619.88E-6	4.9067	**0.059474**	10433.	-	1 (Very Slight)
	Min. Radius of Curvature (Hogging)	East	3	11.346	21.702	Hogging	619.88E-6	4.9067	0.059474	**10433.**	-	1 (Very Slight)
	Min. Radius of Curvature (Sagging)	East	4	21.702	24.933	Sagging	0.0056145	6.3241	0.036342	-	**676.91**	0 (Negligible)
18 Chenies	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.											

Specific Building Damage Results - All Combined Segments

Structure: Law Building | Sub-structure: Infill

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: 16 Chenies | Sub-structure: West

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: 16 Chenies | Sub-structure: South

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: 16 Chenies | Sub-structure: East

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: 16 Chenies | Sub-structure: North

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: 18 Chenies | Sub-structure: Retained Wall

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: Law Building | Sub-structure: North

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.

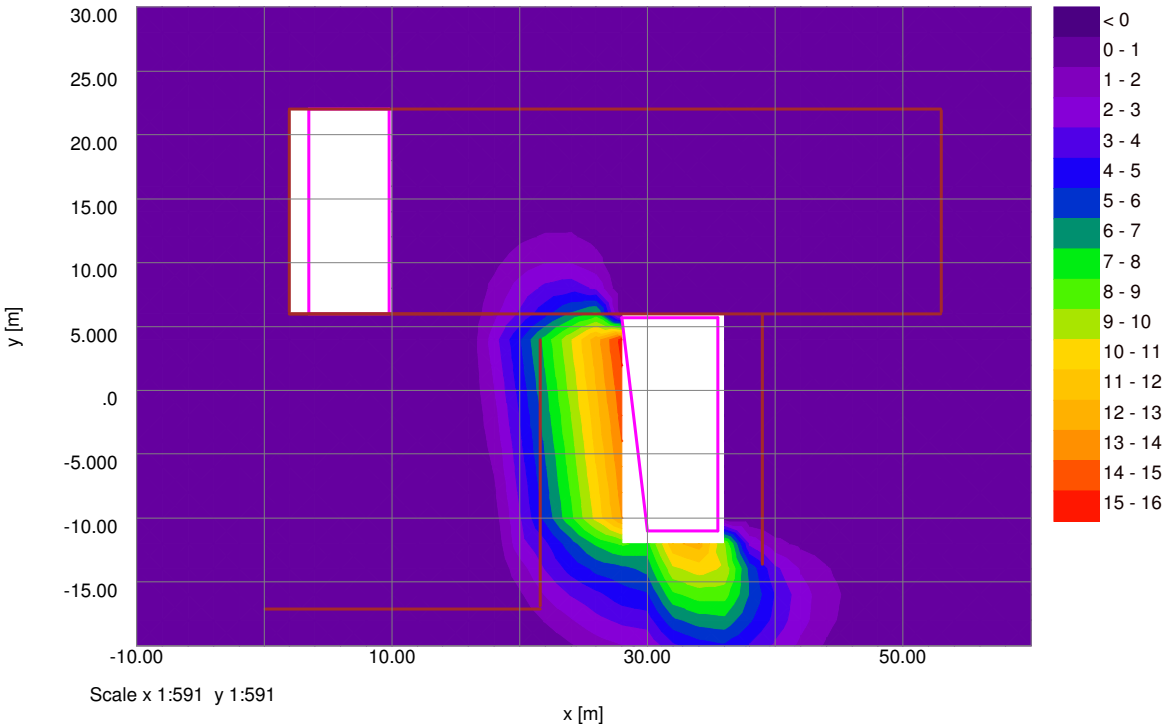
Structure: Law Building | Sub-structure: East

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

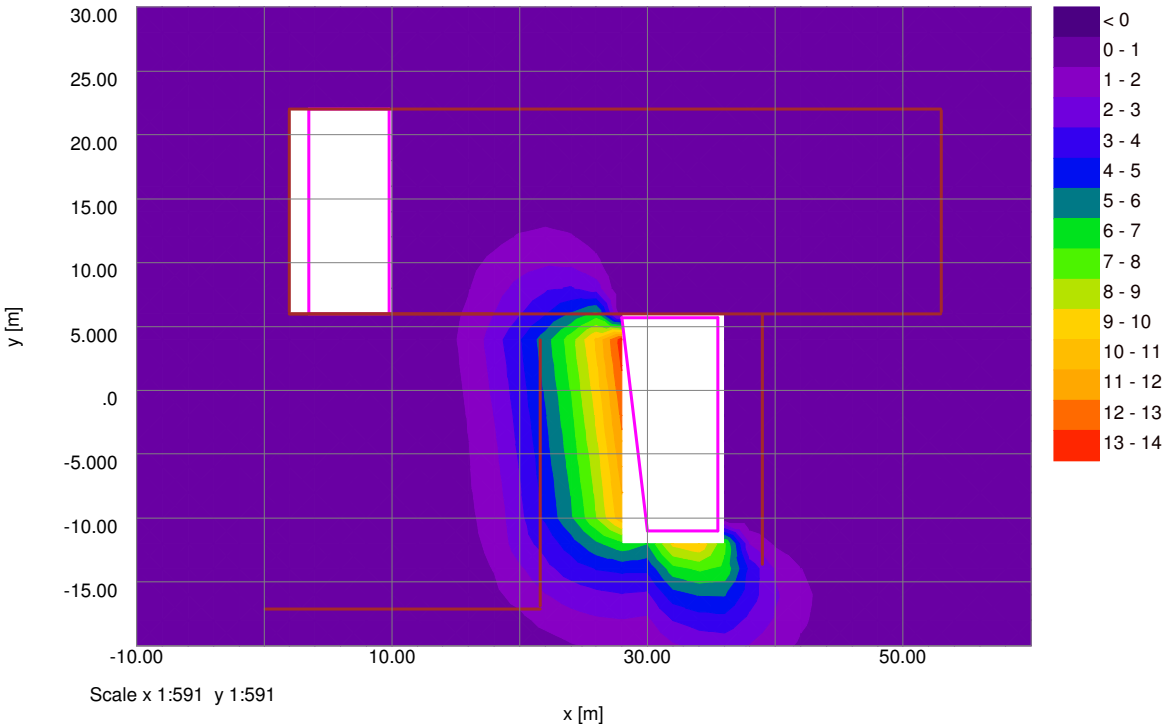
Line for Vertical Movement Calculations			Strain	Strain
[m]	[m]	[m]	[%]	[%]	[%]

No structures have segments combined.

Horizontal Displacement Contours: Grid 1 (level -2.800m) Interval 1mm



Vertical Settlement Contours: Grid 1 (level -2.800m) (Interval 1mm)



Notes

Revised Loadings March 2016

Analysis Options

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: -40.00 [m OD]
Displacements at area centroids calculated.

Soil ProfilesUndrained Profile

Layer	Level at top	Number of intermediate displacement levels	Youngs Modulus Top	Youngs Modulus Btm	Poissons ratio	Non-linear curve
	[mOD]		[kN/m²]	[kN/m²]		
1	0.0	6	25000.	25000.	0.50000	None
2	-3.3000	2	37500.	37500.	0.50000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	55000.	108000.	0.50000	None
5	-20.000	12	108000.	108000.	0.50000	None

Soil ProfilesDrained Profile

Layer	Level at top	Number of intermediate displacement levels	Youngs Modulus Top	Youngs Modulus Btm	Poissons ratio	Non-linear curve
	[mOD]		[kN/m²]	[kN/m²]		
1	0.0	6	15000.	15000.	0.20000	None
2	-3.3000	2	22500.	22500.	0.20000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	33000.	64800.	0.20000	None
5	-20.000	12	64800.	64800.	0.20000	None

Soil Zones

Zone	Name	X coordinates min	X coordinates max	Y coordinates min	Y coordinates max	Profile
		[m]	[m]	[m]	[m]	
1	Zone A	-10.000	60.000	-20.000	30.000	Undrained Profile

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X	Y	Z (level)	Angle of local x from	Width x or Radius	Length y	Polygon Coordinates	Rectangle tolerance	Number of rectangles	Load value Normal (local z)	Tangential (local x)	Tangential (local y)
				[m]	[m]	[m]	[Degrees]	[m]	[m]	[m]			[kN/m²]	[kN/m²]	[kN/m²]
1	UL1	Rectangular	Horizontal	6.0500	14.050	-2.8000	0.0	7.5000	14.500	N/A	N/A	1	-9.0000	0.0	0.0
2	UL2	Rectangular	Horizontal	4.9000	14.600	-2.8000	0.0	0.40000	14.500	N/A	N/A	1	-140.00	0.0	0.0
3	UL3	Rectangular	Horizontal	10.000	14.600	-2.8000	0.0	0.40000	15.300	N/A	N/A	1	-17.500	0.0	0.0
4	UL4	Rectangular	Horizontal	22.700	17.800	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
5	UL5	Rectangular	Horizontal	22.700	10.500	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
6	UL6	Rectangular	Horizontal	26.500	14.200	-2.8000	0.0	8.6000	6.8000	N/A	N/A	1	-4.5000	0.0	0.0
7	UL7	Rectangular	Horizontal	27.200	7.8000	-2.8000	0.0	6.1000	1.4000	N/A	N/A	1	-9.0000	0.0	0.0
8	UL8	Rectangular	Horizontal	18.200	14.200	-2.8000	0.0	6.1000	6.8000	N/A	N/A	1	-2.2500	0.0	0.0
9	18 Chenies Extn 1	Rectangular	Horizontal	31.100	1.1000	-2.8000	0.0	5.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
10	18 Chenies Extn 2	Rectangular	Horizontal	32.100	-7.2000	-2.8000	0.0	3.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
11	18 Chenies Removed Wall	Rectangular	Horizontal	34.000	-3.4000	-3.5000	0.0	0.50000	18.000	N/A	N/A	1	-74.000	0.0	0.0
12	18 Chenies Reduced wall	Rectangular	Horizontal	39.000	-3.6000	-3.5000	0.0	0.80000	20.000	N/A	N/A	1	-11.000	0.0	0.0

Displacement Data

Ref.	Type	Name	Direction of Extrusion	First point X	First point Y	First point Z(level)	Second point X	Second point Y	Second point Z(level)	No. of intrvls across extrusion/line	Extrusion Depth	No. of intrvls along extrusion	Calculate	Show Detailed results
				[m]	[m]	[m]	[m]	[m]	[m]		[m]			
1	Grid	Grid 1	Global X	-10.000	-20.000	-2.8000	N/A	30.000	-2.8000	25	70.000	35	Yes	No
2	Line	Law Bdg Infill	N/A	2.0000	6.0000	-1.5000	18.000	6.0000	-1.5000	15	N/A	N/A	Yes	Yes
3	Line	16 Chenies Wst	N/A	2.0000	22.000	-2.8000	53.000	22.000	-2.8000	45	N/A	N/A	Yes	Yes
4	Line	16 Chenies Sth	N/A	2.0000	21.900	-2.8000	2.0000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
5	Line	16 Chenies Est	N/A	2.0000	6.0000	-2.8000	53.000	6.0000	-2.8000	45	N/A	N/A	Yes	Yes
6	Line	16 Chenies Nth	N/A	53.000	21.900	-2.8000	53.000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
7	Line	18 Chenies Retained Wall	N/A	39.000	-13.600	-3.5000	39.000	6.0000	-3.5000	20	N/A	N/A	Yes	Yes
8	Line	Law Bdg Nth	N/A	21.600	4.0000	-2.8000	21.600	-17.000	-2.8000	20	N/A	N/A	Yes	Yes
9	Line	Law Bbg Est	N/A	21.600	-17.100	-2.8000	0.0	-17.100	-2.8000	20	N/A	N/A	Yes	Yes

Warnings

1 The following displacement locations lie wide of all soil zones. The first soil
Coordinates [46.000, [48.000, [50.000, [52.000, [54.000, [56.000, [58.000, [60.000, [-10.000, [-8.000, [-6.000, [-4.000, [-2.000, [0.000, [2.000, [4.000, [6.000, [8.000, [10.000, [12.000, [14.000, [16.000, [18.000, [20.000, [22.000,
profile will be used.

Displacement Data Index (m)
1 32.000,
-2.800]
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Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Show Detailed Calculate results
1	1	1	1	1	1	1	1	1	1	1	1	1	1 same warning

applies to other displacement points. Only 25 are listed here.

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: -40.00 [m OD]

The maximum displacement difference between
Boussinesq method (-2.1709mm) and Mindlin method (-1.8346mm)
occurs at point X=34.000m Y=-12.000m Level -2.8000mOD and is 0.33628mm

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
UL1	6.05000	14.05000	-2.80000	-1.8599	-3.0500	-9.3174	-35.630	153.57E-6
UL2	4.90000	14.60000	-2.80000	-4.2276	-3.0500	-112.61	-205.96	-0.0026376
UL3	10.00000	14.60000	-2.80000	-1.1916	-3.0500	-14.122	-30.315	-241.03E-6
UL4	22.70000	17.80000	-2.80000	-0.40975	-3.0500	-4.2580	-9.5959	-63.559E-6
UL5	22.70000	10.50000	-2.80000	-0.55894	-3.0500	-3.9711	-9.0097	-58.070E-6
UL6	26.50000	14.20000	-2.80000	-0.63801	-3.0500	-4.4993	-12.958	-10.806E-6
UL7	27.20000	7.80000	-2.80000	-1.0573	-3.0500	-8.8522	-22.140	-88.335E-6
UL8	18.20000	14.20000	-2.80000	-0.43510	-3.0500	-2.2496	-6.5997	-2.9854E-6
18 Chenies Extn 1	31.10000	1.10000	-2.80000	-4.2753	-3.0500	-41.987	-118.12	-156.75E-6
18 Chenies Extn 2	32.10000	-7.20000	-2.80000	-3.8925	-3.0500	-41.960	-115.16	-214.46E-6
18 Chenies Removed Wall	34.00000	-3.40000	-3.50000	-4.2581	-3.6500	-91.404	-202.16	-960.70E-6
18 Chenies Reduced wall	39.00000	-3.60000	-3.50000	-1.0526	-3.6500	-10.824	-28.188	-57.124E-6
Grid 1	-10.00000	-20.00000	-2.80000	0.031527	-3.0500	0.0	-0.0093702	0.0
	-8.00000	-20.00000	-2.80000	0.031813	-3.0500	0.0	-0.010319	0.0
	-6.00000	-20.00000	-2.80000	0.031888	-3.0500	0.0	-0.011364	0.0
	-4.00000	-20.00000	-2.80000	0.031703	-3.0500	0.0	-0.012518	0.0
	-2.00000	-20.00000	-2.80000	0.031196	-3.0500	0.0	-0.013796	0.0
	0.00000	-20.00000	-2.80000	0.030290	-3.0500	0.0	-0.015222	0.0
	2.00000	-20.00000	-2.80000	0.028884	-3.0500	0.0	-0.016829	0.0
	4.00000	-20.00000	-2.80000	0.026851	-3.0500	-1.1059E-6	-0.018666	0.0
	6.00000	-20.00000	-2.80000	0.024033	-3.0500	-1.3341E-6	-0.020796	0.0
	8.00000	-20.00000	-2.80000	0.020238	-3.0500	-1.6390E-6	-0.023311	0.0
	10.00000	-20.00000	-2.80000	0.015240	-3.0500	-2.0583E-6	-0.026329	0.0
	12.00000	-20.00000	-2.80000	0.0087814	-3.0500	-2.6498E-6	-0.030007	0.0
	14.00000	-20.00000	-2.80000	583.23E-6	-3.0500	-3.5022E-6	-0.034546	0.0
	16.00000	-20.00000	-2.80000	-0.0096393	-3.0500	-4.7536E-6	-0.040199	0.0
	18.00000	-20.00000	-2.80000	-0.022145	-3.0500	-6.6202E-6	-0.047274	0.0
	20.00000	-20.00000	-2.80000	-0.037110	-3.0500	-9.4365E-6	-0.056125	1.1219E-6
	22.00000	-20.00000	-2.80000	-0.054531	-3.0500	-13.696E-6	-0.067082	1.3408E-6
	24.00000	-20.00000	-2.80000	-0.074044	-3.0500	-20.021E-6	-0.080284	1.6045E-6
	26.00000	-20.00000	-2.80000	-0.094646	-3.0500	-28.875E-6	-0.095277	1.9038E-6
	28.00000	-20.00000	-2.80000	-0.11435	-3.0500	-39.674E-6	-0.11036	2.2048E-6
	30.00000	-20.00000	-2.80000	-0.13010	-3.0500	-49.570E-6	-0.12216	2.4401E-6
	32.00000	-20.00000	-2.80000	-0.13843	-3.0500	-53.926E-6	-0.12659	2.5286E-6
	34.00000	-20.00000	-2.80000	-0.13707	-3.0500	-50.091E-6	-0.12165	2.4299E-6
	36.00000	-20.00000	-2.80000	-0.12642	-3.0500	-40.322E-6	-0.10911	2.1798E-6
	38.00000	-20.00000	-2.80000	-0.10922	-3.0500	-29.293E-6	-0.093066	1.8596E-6
	40.00000	-20.00000	-2.80000	-0.088794	-3.0500	-20.112E-6	-0.077077	1.5403E-6
	42.00000	-20.00000	-2.80000	-0.067888	-3.0500	-13.525E-6	-0.062996	1.2591E-6
	44.00000	-20.00000	-2.80000	-0.048399	-3.0500	-9.1030E-6	-0.051333	1.0261E-6
	46.00000	-20.00000	-2.80000	-0.031322	-3.0500	-6.1998E-6	-0.041943	0.0
	48.00000	-20.00000	-2.80000	-0.016962	-3.0500	-4.2927E-6	-0.034463	0.0
	50.00000	-20.00000	-2.80000	-0.0052347	-3.0500	-3.0266E-6	-0.028516	0.0
	52.00000	-20.00000	-2.80000	0.0041165	-3.0500	-2.1705E-6	-0.023773	0.0
	54.00000	-20.00000	-2.80000	0.011406	-3.0500	-1.5833E-6	-0.019968	0.0
	56.00000	-20.00000	-2.80000	0.016952	-3.0500	-1.1732E-6	-0.016896	0.0
	58.00000	-20.00000	-2.80000	0.021049	-3.0500	0.0	-0.014399	0.0
	60.00000	-20.00000	-2.80000	0.023961	-3.0500	0.0	-0.012353	0.0
	-10.00000	-18.00000	-2.80000	0.031257	-3.0500	0.0	-0.010368	0.0
	-8.00000	-18.00000	-2.80000	0.031326	-3.0500	0.0	-0.011471	0.0
	-6.00000	-18.00000	-2.80000	0.031146	-3.0500	0.0	-0.012687	0.0
	-4.00000	-18.00000	-2.80000	0.030662	-3.0500	0.0	-0.014031	0.0
	-2.00000	-18.00000	-2.80000	0.029808	-3.0500	0.0	-0.015520	0.0
	0.00000	-18.00000	-2.80000	0.028495	-3.0500	0.0	-0.017180	0.0
	2.00000	-18.00000	-2.80000	0.026606	-3.0500	-1.1527E-6	-0.019052	0.0
	4.00000	-18.00000	-2.80000	0.023986	-3.0500	-1.3714E-6	-0.021196	0.0
	6.00000	-18.00000	-2.80000	0.020434	-3.0500	-1.6565E-6	-0.023702	0.0
	8.00000	-18.00000	-2.80000	0.015699	-3.0500	-2.0435E-6	-0.026694	0.0
	10.00000	-18.00000	-2.80000	0.0094686	-3.0500	-2.5891E-6	-0.030347	0.0
	12.00000	-18.00000	-2.80000	0.0013716	-3.0500	-3.3847E-6	-0.034904	0.0
	14.00000	-18.00000	-2.80000	-0.0090254	-3.0500	-4.5796E-6	-0.040695	0.0
	16.00000	-18.00000	-2.80000	-0.022211	-3.0500	-6.4249E-6	-0.048172	0.0
	18.00000	-18.00000	-2.80000	-0.038712	-3.0500	-9.3564E-6	-0.057954	1.1585E-6
	20.00000	-18.00000	-2.80000	-0.059060	-3.0500	-14.154E-6	-0.070881	1.4168E-6
	22.00000	-18.00000	-2.80000	-0.083693	-3.0500	-22.229E-6	-0.088053	1.7597E-6
	24.00000	-18.00000	-2.80000	-0.11273	-3.0500	-36.046E-6	-0.11071	2.2121E-6
	26.00000	-18.00000	-2.80000	-0.14545	-3.0500	-59.203E-6	-0.13958	2.7881E-6
	28.00000	-18.00000	-2.80000	-0.17922	-3.0500	-93.912E-6	-0.17280	3.4504E-6
	30.00000	-18.00000	-2.80000	-0.20839	-3.0500	-132.39E-6	-0.20246	4.0413E-6
	32.00000	-18.00000	-2.80000	-0.22479	-3.0500	-151.57E-6	-0.21509	4.2928E-6
	34.00000	-18.00000	-2.80000	-0.22220	-3.0500	-135.15E-6	-0.20272	4.0463E-6
	36.00000	-18.00000	-2.80000	-0.20176	-3.0500	-96.992E-6	-0.17225	3.4392E-6
	38.00000	-18.00000	-2.80000	-0.17093	-3.0500	-61.047E-6	-0.13740	2.7443E-6
	40.00000	-18.00000	-2.80000	-0.13663	-3.0500	-36.674E-6	-0.10685	2.1347E-6
	42.00000	-18.00000	-2.80000	-0.10337	-3.0500	-22.123E-6	-0.082848	1.6556E-6
	44.00000	-18.00000	-2.80000	-0.074079	-3.0500	-13.689E-6	-0.064721	1.2936E-6
	46.00000	-18.00000	-2.80000	-0.049746	-3.0500	-8.7408E-6	-0.051135	1.0222E-6
	48.00000	-18.00000	-2.80000	-0.030128	-3.0500	-5.7562E-6	-0.040900	0.0
	50.00000	-18.00000	-2.80000	-0.014597	-3.0500	-3.8997E-6	-0.033109	0.0
	52.00000	-18.00000	-2.80000	-0.0024863	-3.0500	-2.7097E-6	-0.027109	0.0
	54.00000	-18.00000	-2.80000	0.0068092	-3.0500	-1.9257E-6	-0.022431	0.0
	56.00000	-18.00000	-2.80000	0.013814	-3.0500	-1.3962E-6	-0.018742	0.0
	58.00000	-18.00000	-2.80000	0.018970	-3.0500	-1.0306E-6	-0.015802	0.0
	60.00000	-18.00000	-2.80000	0.022648	-3.0500	0.0	-0.013433	0.0
	-10.00000	-16.00000	-2.80000	0.030640	-3.0500	0.0	-0.011515	0.0
	-8.00000	-16.00000	-2.80000	0.030424	-3.0500	0.0	-0.012808	0.0
	-6.00000	-16.00000	-2.80000	0.029911	-3.0500	0.0	-0.014236	0.0
	-4.00000	-16.00000	-2.80000	0.029049	-3.0500	0.0	-0.015813	0.0
	-2.00000	-16.00000	-2.80000	0.027766	-3.0500	-1.0498E-6	-0.017556	0.0
	0.00000	-16.00000	-2.80000	0.025967	-3.0500	-1.2326E-6	-0.019494	0.0
	2.00000	-16.00000	-2.80000	0.023519	-3.0500	-1.4509E-6	-0.021672	0.0
	4.00000	-16.00000	-2.80000	0.020239	-3.0500	-1.7213E-6	-0.024164	0.0
	6.00000	-16.00000	-2.80000	0.015882	-3.0500	-2.0729E-6	-0.027083	0.0
	8.00000	-16.00000	-2.80000	0.010125	-3.0500	-2.5552E-6	-0.030600	0.0
	10.00000	-16.00000	-2.80000	0.0025504	-3.0500	-3.2506E-6	-0.034962	0.0
	12.00000	-16.00000	-2.80000	-0.0073607	-3.0500	-4.2976E-6	-0.040527	0.0
	14.00000	-16.00000	-2.80000	-0.020249	-3.0500	-5.9349E-6	-0.047807	0.0
	16.00000	-16.00000	-2.80000	-0.036892	-3.0500	-8.5916E-6	-0.057551	1.1505E-6
	18.00000	-16.00000	-2.80000	-0.058235	-3.0500	-13.083E-6	-0.070881	1.4168E-6
	20.00000	-16.00000	-2.80000	-0.085417	-3.0500	-21.065E-6	-0.089531	1.7894E-6
	22.00000	-16.00000	-2.80000	-0.11980	-3.0500	-36.145E-6	-0.11627	2.3232E-6
	24.00000	-16.00000	-2.80000	-0.16289	-3.0500	-66.680E-6	-0.15553	3.1066E-6
	26.00000	-16.00000	-2.80000	-0.21576	-3.0500	-132.09E-6	-0.21382	4.2685E-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	-16.00000	-2.80000	-0.27686	-3.0500	-268.26E-6	-0.29627	5.9094E-6
	30.00000	-16.00000	-2.80000	-0.33678	-3.0500	-479.95E-6	-0.38859	7.7431E-6
	32.00000	-16.00000	-2.80000	-0.37463	-3.0500	-609.70E-6	-0.43542	8.6717E-6
	34.00000	-16.00000	-2.80000	-0.36948	-3.0500	-499.66E-6	-0.39332	7.8364E-6
	36.00000	-16.00000	-2.80000	-0.32386	-3.0500	-285.12E-6	-0.29961	5.9751E-6
	38.00000	-16.00000	-2.80000	-0.26496	-3.0500	-139.58E-6	-0.21285	4.2487E-6
	40.00000	-16.00000	-2.80000	-0.20544	-3.0500	-68.901E-6	-0.15099	3.0156E-6
	42.00000	-16.00000	-2.80000	-0.15005	-3.0500	-36.214E-6	-0.10947	2.1872E-6
	44.00000	-16.00000	-2.80000	-0.10554	-3.0500	-20.358E-6	-0.081423	1.6272E-6
	46.00000	-16.00000	-2.80000	-0.071291	-3.0500	-12.134E-6	-0.062011	1.2395E-6
	48.00000	-16.00000	-2.80000	-0.045057	-3.0500	-7.5930E-6	-0.048214	0.0
	50.00000	-16.00000	-2.80000	-0.024992	-3.0500	-4.9459E-6	-0.038166	0.0
	52.00000	-16.00000	-2.80000	-0.0097123	-3.0500	-3.3315E-6	-0.030689	0.0
	54.00000	-16.00000	-2.80000	0.0018256	-3.0500	-2.3088E-6	-0.025020	0.0
	56.00000	-16.00000	-2.80000	0.010428	-3.0500	-1.6396E-6	-0.020649	0.0
	58.00000	-16.00000	-2.80000	0.016725	-3.0500	-1.1894E-6	-0.017229	0.0
	60.00000	-16.00000	-2.80000	0.021218	-3.0500	0.0	-0.014517	0.0
	-10.00000	-14.00000	-2.80000	0.029603	-3.0500	0.0	-0.012848	0.0
	-8.00000	-14.00000	-2.80000	0.029010	-3.0500	0.0	-0.014379	0.0
	-6.00000	-14.00000	-2.80000	0.028066	-3.0500	0.0	-0.016075	0.0
	-4.00000	-14.00000	-2.80000	0.026719	-3.0500	-1.1438E-6	-0.017947	0.0
	-2.00000	-14.00000	-2.80000	0.024901	-3.0500	-1.3518E-6	-0.020009	0.0
	0.00000	-14.00000	-2.80000	0.022515	-3.0500	-1.5899E-6	-0.022285	0.0
	2.00000	-14.00000	-2.80000	0.019419	-3.0500	-1.8668E-6	-0.024823	0.0
	4.00000	-14.00000	-2.80000	0.015410	-3.0500	-2.2012E-6	-0.027706	0.0
	6.00000	-14.00000	-2.80000	0.010193	-3.0500	-2.6294E-6	-0.031073	0.0
	8.00000	-14.00000	-2.80000	0.0033668	-3.0500	-3.2173E-6	-0.035147	0.0
	10.00000	-14.00000	-2.80000	-0.0056086	-3.0500	-4.0804E-6	-0.040264	0.0
	12.00000	-14.00000	-2.80000	-0.017436	-3.0500	-5.4200E-6	-0.046929	0.0
	14.00000	-14.00000	-2.80000	-0.033018	-3.0500	-7.5981E-6	-0.055899	1.1175E-6
	16.00000	-14.00000	-2.80000	-0.053517	-3.0500	-11.300E-6	-0.068331	1.3659E-6
	18.00000	-14.00000	-2.80000	-0.080458	-3.0500	-17.927E-6	-0.086082	1.7206E-6
	20.00000	-14.00000	-2.80000	-0.11590	-3.0500	-30.626E-6	-0.11231	2.2443E-6
	22.00000	-14.00000	-2.80000	-0.16280	-3.0500	-57.409E-6	-0.15282	3.0529E-6
	24.00000	-14.00000	-2.80000	-0.22556	-3.0500	-122.14E-6	-0.21942	4.3810E-6
	26.00000	-14.00000	-2.80000	-0.31084	-3.0500	-310.72E-6	-0.33862	6.7537E-6
	28.00000	-14.00000	-2.80000	-0.42642	-3.0500	-986.02E-6	-0.57107	11.362E-6
	30.00000	-14.00000	-2.80000	-0.56615	-3.0500	-0.0031584	-0.97970	19.404E-6
	32.00000	-14.00000	-2.80000	-0.67369	-3.0500	-0.0050743	-1.2602	24.900E-6
	34.00000	-14.00000	-2.80000	-0.67011	-3.0500	-0.0034466	-1.0182	20.158E-6
	36.00000	-14.00000	-2.80000	-0.53372	-3.0500	-0.0011127	-0.59395	11.812E-6
	38.00000	-14.00000	-2.80000	-0.41932	-3.0500	-340.21E-6	-0.34227	6.8250E-6
	40.00000	-14.00000	-2.80000	-0.31513	-3.0500	-128.20E-6	-0.21399	4.2721E-6
	42.00000	-14.00000	-2.80000	-0.20943	-3.0500	-57.621E-6	-0.14347	2.8660E-6
	44.00000	-14.00000	-2.80000	-0.14202	-3.0500	-29.364E-6	-0.10129	2.0239E-6
	46.00000	-14.00000	-2.80000	-0.095149	-3.0500	-16.376E-6	-0.074316	1.4853E-6
	48.00000	-14.00000	-2.80000	-0.061135	-3.0500	-9.7663E-6	-0.056190	1.1232E-6
	50.00000	-14.00000	-2.80000	-0.035977	-3.0500	-6.1340E-6	-0.043524	0.0
	52.00000	-14.00000	-2.80000	-0.017248	-3.0500	-4.0152E-6	-0.03497	0.0
	54.00000	-14.00000	-2.80000	-0.0033235	-3.0500	-2.7191E-6	-0.027650	0.0
	56.00000	-14.00000	-2.80000	0.0069488	-3.0500	-1.8947E-6	-0.022556	0.0
	58.00000	-14.00000	-2.80000	0.014423	-3.0500	-1.3529E-6	-0.018638	0.0
	60.00000	-14.00000	-2.80000	0.019746	-3.0500	0.0	-0.015576	0.0
	-10.00000	-12.00000	-2.80000	0.028061	-3.0500	0.0	-0.014411	0.0
	-8.00000	-12.00000	-2.80000	0.026973	-3.0500	-1.0297E-6	-0.016250	0.0
	-6.00000	-12.00000	-2.80000	0.025464	-3.0500	-1.2494E-6	-0.018297	0.0
	-4.00000	-12.00000	-2.80000	0.023489	-3.0500	-1.5039E-6	-0.020556	0.0
	-2.00000	-12.00000	-2.80000	0.020989	-3.0500	-1.7930E-6	-0.023034	0.0
	0.00000	-12.00000	-2.80000	0.017880	-3.0500	-2.1165E-6	-0.025743	0.0
	2.00000	-12.00000	-2.80000	0.014027	-3.0500	-2.4790E-6	-0.028721	0.0
	4.00000	-12.00000	-2.80000	0.009214	-3.0500	-2.8972E-6	-0.032051	0.0
	6.00000	-12.00000	-2.80000	0.0031017	-3.0500	-3.4127E-6	-0.035894	0.0
	8.00000	-12.00000	-2.80000	-0.0047888	-3.0500	-4.1098E-6	-0.040528	0.0
	10.00000	-12.00000	-2.80000	-0.015139	-3.0500	-5.1445E-6	-0.046396	0.0
	12.00000	-12.00000	-2.80000	-0.028866	-3.0500	-6.7988E-6	-0.054186	1.0833E-6
	14.00000	-12.00000	-2.80000	-0.047192	-3.0500	-9.5940E-6	-0.064957	1.2986E-6
	16.00000	-12.00000	-2.80000	-0.071752	-3.0500	-14.555E-6	-0.080393	1.6070E-6
	18.00000	-12.00000	-2.80000	-0.10480	-3.0500	-23.881E-6	-0.10331	2.0648E-6
	20.00000	-12.00000	-2.80000	-0.14963	-3.0500	-42.864E-6	-0.13882	2.7738E-6
	22.00000	-12.00000	-2.80000	-0.21138	-3.0500	-86.457E-6	-0.19723	3.9393E-6
	24.00000	-12.00000	-2.80000	-0.29907	-3.0500	-207.94E-6	-0.30291	6.0457E-6
	26.00000	-12.00000	-2.80000	-0.43047	-3.0500	-680.56E-6	-0.52884	10.536E-6
	28.00000	-12.00000	-2.80000	-0.64479	-3.0500	-0.0042869	-1.2001	23.744E-6
	30.00000	-12.00000	-2.80000	-1.0259	-3.0500	-0.17697	-5.5786	100.95E-6
	32.00000	-12.00000	-2.80000	-1.3998	-3.0500	-0.51820	-11.404	196.98E-6
	34.00000	-12.00000	-2.80000	-2.1709	-3.0500	-0.26476	-6.7173	118.46E-6
	36.00000	-12.00000	-2.80000	-0.86958	-3.0500	-0.0055066	-1.3183	26.036E-6
	38.00000	-12.00000	-2.80000	-0.62431	-3.0500	-774.02E-6	-0.54233	10.800E-6
	40.00000	-12.00000	-2.80000	-0.45382	-3.0500	-219.68E-6	-0.29488	5.8843E-6
	42.00000	-12.00000	-2.80000	-0.27471	-3.0500	-85.824E-6	-0.18325	3.6599E-6
	44.00000	-12.00000	-2.80000	-0.18048	-3.0500	-40.235E-6	-0.12325	2.4626E-6
	46.00000	-12.00000	-2.80000	-0.11968	-3.0500	-21.217E-6	-0.087405	1.7468E-6
	48.00000	-12.00000	-2.80000	-0.077374	-3.0500	-12.149E-6	-0.064427	1.2878E-6
	50.00000	-12.00000	-2.80000	-0.046921	-3.0500	-7.3968E-6	-0.048931	0.0
	52.00000	-12.00000	-2.80000	-0.024675	-3.0500	-4.7239E-6	-0.038067	0.0
	54.00000	-12.00000	-2.80000	-0.0083580	-3.0500	-3.1355E-6	-0.030213	0.0
	56.00000	-12.00000	-2.80000	0.0035669	-3.0500	-2.1490E-6	-0.024389	0.0
	58.00000	-12.00000	-2.80000	0.012192	-3.0500	-1.5133E-6	-0.019977	0.0
	60.00000	-12.00000	-2.80000	0.018319	-3.0500	-1.0909E-6	-0.016573	0.0
	-10.00000	-10.00000	-2.80000	0.025919	-3.0500	-1.0798E-6	-0.016262	0.0
	-8.00000	-10.00000	-2.80000	0.024181	-3.0500	-1.3452E-6	-0.018508	0.0
	-6.00000	-10.00000	-2.80000	0.021924	-3.0500	-1.6653E-6	-0.021029	0.0
	-4.00000	-10.00000	-2.80000	0.019118	-3.0500	-2.0411E-6	-0.023821	0.0
	-2.00000	-10.00000	-2.80000	0.015729	-3.0500	-2.4684E-6	-0.026873	0.0
	0.00000	-10.00000	-2.80000	0.011703	-3.0500	-2.9377E-6	-0.030171	0.0
	2.00000	-10.00000	-2.80000	0.0069343	-3.0500	-3.4402E-6	-0.033721	0.0
	4.00000	-10.00000	-2.80000	0.0012204	-3.0500	-3.9804E-6	-0.037584	0.0
	6.00000	-10.00000	-2.80000	-0.0057947	-3.0500	-4.5975E-6	-0.041928	0.0
	8.00000	-10.00000	-2.80000	-0.014677	-3.0500	-5.3934E-6	-0.047083	0.0
	10.00000	-10.00000	-2.80000	-0.026258	-3.0500	-6.5744E-6	-0.053618	1.0720E-6
	12.00000	-10.00000	-2.80000	-0.041702	-3.0500	-8.5234E-6	-0.062438	1.2483E-6
	14.00000	-10.00000	-2.80000	-0.062598	-3.0500	-11.960E-6	-0.074970	1.4987E-6
	16.00000	-10.00000	-2.80000	-0.091128	-3.0500	-18.328E-6	-0.093523	1.8694E-6
	18.00000	-10.00000	-2.80000	-0.13040	-3.0500	-30.816E-6	-0.12208	2.4397E-6
	20.00000	-10.00000	-2.80000	-0.18511	-3.0500	-57.374E-6	-0.16808	3.3581E-6
	22.00000	-10.00000	-2.80000	-0.26297	-3.0500	-121.43E-6	-0.24719	4.9366E-6
	24.00000	-10.00000	-2.80000	-0.37821	-3.0500	-312.09E-6	-0.39868	7.9549E-6
	26.00000	-10.00000	-2.80000	-0.56161	-3.0500	-0.0011502	-0.75337	14.998E-6
	28.00000	-10.00000	-2.80000	-0.89484	-3.0500	-0.0099014	-2.0537	40.480E-6
	30.00000	-10.00000	-2.80000	-1.7701	-3.0500	-5.4359	-31.237	298.58E-6
	32.00000	-10.00000	-2.80000	-3.3070	-3.0500	-41.918	-111.97	-275.61E-6
	34.00000	-10.00000	-2.80000	-3.4994	-3.0500	-20.974	-57.936	-99.707E-6
	36.00000	-10.00000	-2.80000	-1.2109	-3.0500	-0.013484	-2.3259	45.709E-6
	38.00000	-10.00000	-2.80000	-0.79495	-3.0500	-0.0013165	-0.76978	15.317E-6
	40.00000	-10.00000	-2.80000	-0.55511	-3.0500	-322.63E-6	-0.38121	7.6048E-6
	42.00000	-10.00000	-2.80000	-0.33384	-3.0500	-116.14E-6	-0.22426	4.4781E-6
	44.00000	-10.00000	-2.80000	-0.21659	-3.0500	-51.587E-6	-0.14530	2.9030E-6
	46.00000	-10.00000	-2.80000	-0.14276	-3.0500	-26.155E-6	-0.10026	2.0036E-6
	48.00000	-10.00000	-2.80000	-0.092557	-3.0500	-14.530E-6	-0.072366	1.4465E-6
	50.00000	-10.00000	-2.80000	-0.057075	-3.0500	-8.6352E-6	-0.054056	1.0806E-6
	52.00000	-10.00000	-2.80000	-0.031514	-3.0500	-5.4071E-6	-0.041498	0.0
	54.00000	-10.00000	-2.80000	-0.012963	-3.0500	-3.5310E-6	-0.032580	0.0
	56.00000	-10.00000	-2.80000	491.47E-6	-3.0500	-2.3873E-6	-0.026065	0.0
	58.00000	-10.00000	-2.80000	0.010173	-3.0500	-1.6619E-6	-0.021191	0.0
	60.00000	-10.00000	-2.80000	0.017033	-3.0500	-1.1864E-6	-0.017470	0.0
	-10.00000	-8.00000	-2.80000	0.023079	-3.0500	-1.4041E-6	-0.018469	0.0
	-8.00000	-8.00000	-2.80000	0.020482	-3.0500	-1.7961E-6	-0.021269	0.0
	-6.00000	-8.00000	-2.80000	0.017226	-3.0500	-2.2845E-6	-0.024453	0.0
	-4.00000	-8.00000	-2.80000	0.013299	-3.0500	-2.8744E-6	-0.028012	0.0
	-2.00000	-8.00000	-2.80000	0.0087096	-3.0500	-3.5564E-6	-0.031908	0.0
	0.00000	-8.00000	-2.80000	0.0034661	-3.0500	-4.3015E-6	-0.036072	0.0
	2.00000	-8.00000	-2.80000	-0.0024615	-3.0500	-5.0662E-6	-0.040435	0.0
	4.00000	-8.00000	-2.80000	-0.0092141	-3.0500	-5.8143E-6	-0.044988	0.0
	6.00000	-8.00000	-2.80000	-0.017132	-3.0500	-6.5591E-6	-0.049864	0.0
	8.00000	-8.00000	-2.80000	-0.026845	-3.0500	-7.4145E-6	-0.055435	1.1083E-6
	10.00000	-8.00000	-2.80000	-0.039352	-3.0500	-8.6519E-6	-0.062417	1.2478E-6
	12.00000	-8.00000	-2.80000	-0.056100	-3.0500	-10.788E-6	-0.071982	1.4390E-6
	14.00000	-8.00000	-2.80000	-0.079089	-3.0500	-14.788E-6	-0.085991	1.7189E-6
	16.00000	-8.00000	-2.80000	-0.11111	-3.0500	-22.598E-6	-0.10747	2.1481E-6
	18.00000	-8.00000	-2.80000	-0.15619	-3.0500	-38.589E-6	-0.14173	2.8322E-6
	20.00000	-8.00000	-2.80000	-0.22056	-3.0500	-73.887E-6	-0.19886	3.9727E-6

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	22.00000	-8.00000	-2.80000	-0.31458	-3.0500	-161.49E-6	-0.30036	5.9975E-6
	24.00000	-8.00000	-2.80000	-0.45724	-3.0500	-423.74E-6	-0.49938	9.9622E-6
	26.00000	-8.00000	-2.80000	-0.68810	-3.0500	-0.0015309	-0.96509	19.210E-6
	28.00000	-8.00000	-2.80000	-1.1058	-3.0500	-0.011918	-2.5865	51.014E-6
	30.00000	-8.00000	-2.80000	-2.1236	-3.0500	-5.4547	-32.945	331.61E-6
	32.00000	-8.00000	-2.80000	-3.7660	-3.0500	-41.958	-114.83	-220.95E-6
	34.00000	-8.00000	-2.80000	-3.8837	-3.0500	-20.996	-59.777	-64.227E-6
	36.00000	-8.00000	-2.80000	-1.4384	-3.0500	-0.015804	-2.8508	56.068E-6
	38.00000	-8.00000	-2.80000	-0.92421	-3.0500	-0.0016565	-0.94567	18.814E-6
	40.00000	-8.00000	-2.80000	-0.63269	-3.0500	-403.88E-6	-0.45561	9.0880E-6
	42.00000	-8.00000	-2.80000	-0.38183	-3.0500	-142.23E-6	-0.26074	5.2062E-6
	44.00000	-8.00000	-2.80000	-0.24693	-3.0500	-61.674E-6	-0.16503	3.2969E-6
	46.00000	-8.00000	-2.80000	-0.16237	-3.0500	-30.580E-6	-0.11170	2.2322E-6
	48.00000	-8.00000	-2.80000	-0.10547	-3.0500	-16.658E-6	-0.079370	1.5864E-6
	50.00000	-8.00000	-2.80000	-0.065679	-3.0500	-9.7341E-6	-0.058537	1.1701E-6
	52.00000	-8.00000	-2.80000	-0.037279	-3.0500	-6.0081E-6	-0.044471	0.0
	54.00000	-8.00000	-2.80000	-0.016821	-3.0500	-3.8757E-6	-0.034616	0.0
	56.00000	-8.00000	-2.80000	-0.0020695	-3.0500	-2.5932E-6	-0.027498	0.0
	58.00000	-8.00000	-2.80000	0.0085026	-3.0500	-1.7894E-6	-0.022223	0.0
	60.00000	-8.00000	-2.80000	0.015977	-3.0500	-1.2678E-6	-0.018230	0.0
	-10.00000	-6.00000	-2.80000	0.019439	-3.0500	-1.8528E-6	-0.021117	0.0
	-8.00000	-6.00000	-2.80000	0.015712	-3.0500	-2.4502E-6	-0.024681	0.0
	-6.00000	-6.00000	-2.80000	0.011109	-3.0500	-3.2305E-6	-0.028822	0.0
	-4.00000	-6.00000	-2.80000	0.0056383	-3.0500	-4.2183E-6	-0.033537	0.0
	-2.00000	-6.00000	-2.80000	-633.40E-6	-3.0500	-5.4064E-6	-0.038753	0.0
	0.00000	-6.00000	-2.80000	-0.0075840	-3.0500	-6.7306E-6	-0.044307	0.0
	2.00000	-6.00000	-2.80000	-0.015089	-3.0500	-8.0603E-6	-0.049966	0.0
	4.00000	-6.00000	-2.80000	-0.023130	-3.0500	-9.2372E-6	-0.055534	1.1101E-6
	6.00000	-6.00000	-2.80000	-0.031953	-3.0500	-10.175E-6	-0.061009	1.2196E-6
	8.00000	-6.00000	-2.80000	-0.042218	-3.0500	-10.977E-6	-0.066777	1.3349E-6
	10.00000	-6.00000	-2.80000	-0.055117	-3.0500	-12.021E-6	-0.073741	1.4741E-6
	12.00000	-6.00000	-2.80000	-0.072432	-3.0500	-14.036E-6	-0.083438	1.6679E-6
	14.00000	-6.00000	-2.80000	-0.096643	-3.0500	-18.313E-6	-0.098258	1.9641E-6
	16.00000	-6.00000	-2.80000	-0.13119	-3.0500	-27.389E-6	-0.12204	2.4392E-6
	18.00000	-6.00000	-2.80000	-0.18107	-3.0500	-47.057E-6	-0.16154	3.2280E-6
	20.00000	-6.00000	-2.80000	-0.25411	-3.0500	-92.592E-6	-0.22995	4.5934E-6
	22.00000	-6.00000	-2.80000	-0.36361	-3.0500	-211.14E-6	-0.35602	7.1078E-6
	24.00000	-6.00000	-2.80000	-0.53380	-3.0500	-580.93E-6	-0.61138	12.193E-6
	26.00000	-6.00000	-2.80000	-0.81177	-3.0500	-0.0021065	-1.2097	24.068E-6
	28.00000	-6.00000	-2.80000	-1.2955	-3.0500	-0.013755	-3.0847	60.869E-6
	30.00000	-6.00000	-2.80000	-2.3649	-3.0500	-5.4576	-33.643	345.40E-6
	32.00000	-6.00000	-2.80000	-4.0094	-3.0500	-41.960	-115.49	-207.89E-6
	34.00000	-6.00000	-2.80000	-4.0830	-3.0500	-20.998	-60.235	-55.156E-6
	36.00000	-6.00000	-2.80000	-1.5753	-3.0500	-0.016329	-3.0861	60.742E-6
	38.00000	-6.00000	-2.80000	-1.0111	-3.0500	-0.0018112	-1.0557	21.006E-6
	40.00000	-6.00000	-2.80000	-0.68733	-3.0500	-453.86E-6	-0.50908	10.154E-6
	42.00000	-6.00000	-2.80000	-0.41655	-3.0500	-160.58E-6	-0.28846	5.7595E-6
	44.00000	-6.00000	-2.80000	-0.26927	-3.0500	-69.211E-6	-0.18033	3.6025E-6
	46.00000	-6.00000	-2.80000	-0.17694	-3.0500	-33.971E-6	-0.12063	2.4106E-6
	48.00000	-6.00000	-2.80000	-0.11507	-3.0500	-18.304E-6	-0.084837	1.6957E-6
	50.00000	-6.00000	-2.80000	-0.072065	-3.0500	-10.585E-6	-0.062027	1.2399E-6
	52.00000	-6.00000	-2.80000	-0.041537	-3.0500	-6.4725E-6	-0.046782	0.0
	54.00000	-6.00000	-2.80000	-0.019651	-3.0500	-4.1413E-6	-0.036195	0.0
	56.00000	-6.00000	-2.80000	-0.0039309	-3.0500	-2.7514E-6	-0.028607	0.0
	58.00000	-6.00000	-2.80000	0.0073036	-3.0500	-1.8871E-6	-0.023022	0.0
	60.00000	-6.00000	-2.80000	0.015233	-3.0500	-1.3300E-6	-0.018817	0.0
	-10.00000	-4.00000	-2.80000	0.014918	-3.0500	-2.4738E-6	-0.024295	0.0
	-8.00000	-4.00000	-2.80000	0.0097076	-3.0500	-3.4077E-6	-0.028925	0.0
	-6.00000	-4.00000	-2.80000	0.0032786	-3.0500	-4.7069E-6	-0.034478	0.0
	-4.00000	-4.00000	-2.80000	-0.0043644	-3.0500	-6.4683E-6	-0.041007	0.0
	-2.00000	-4.00000	-2.80000	-0.013085	-3.0500	-8.7374E-6	-0.048424	0.0
	0.00000	-4.00000	-2.80000	-0.022582	-3.0500	-11.412E-6	-0.056417	1.1277E-6
	2.00000	-4.00000	-2.80000	-0.032434	-3.0500	-14.148E-6	-0.064414	1.2874E-6
	4.00000	-4.00000	-2.80000	-0.042263	-3.0500	-16.401E-6	-0.071739	1.4338E-6
	6.00000	-4.00000	-2.80000	-0.052042	-3.0500	-17.724E-6	-0.077997	1.5589E-6
	8.00000	-4.00000	-2.80000	-0.062401	-3.0500	-18.135E-6	-0.083500	1.6689E-6
	10.00000	-4.00000	-2.80000	-0.074788	-3.0500	-18.275E-6	-0.089478	1.7885E-6
	12.00000	-4.00000	-2.80000	-0.091459	-3.0500	-19.328E-6	-0.098066	1.9602E-6
	14.00000	-4.00000	-2.80000	-0.11548	-3.0500	-23.108E-6	-0.11239	2.2463E-6
	16.00000	-4.00000	-2.80000	-0.15099	-3.0500	-32.846E-6	-0.13718	2.7415E-6
	18.00000	-4.00000	-2.80000	-0.20390	-3.0500	-55.916E-6	-0.18068	3.6103E-6
	20.00000	-4.00000	-2.80000	-0.28368	-3.0500	-112.97E-6	-0.25954	5.1841E-6
	22.00000	-4.00000	-2.80000	-0.40701	-3.0500	-274.87E-6	-0.41251	8.2337E-6
	24.00000	-4.00000	-2.80000	-0.60621	-3.0500	-869.38E-6	-0.74766	14.901E-6
	26.00000	-4.00000	-2.80000	-0.94884	-3.0500	-0.0045616	-1.6715	33.155E-6
	28.00000	-4.00000	-2.80000	-1.5713	-3.0500	-0.075410	-5.6648	108.77E-6
	30.00000	-4.00000	-2.80000	-2.6930	-3.0500	-5.5736	-37.426	414.11E-6
	32.00000	-4.00000	-2.80000	-4.2233	-3.0500	-42.009	-117.04	-179.70E-6
	34.00000	-4.00000	-2.80000	-4.2158	-3.0500	-21.020	-60.934	-42.553E-6
	36.00000	-4.00000	-2.80000	-1.6543	-3.0500	-0.016771	-3.2282	63.558E-6
	38.00000	-4.00000	-2.80000	-1.0605	-3.0500	-0.0018870	-1.1180	22.246E-6
	40.00000	-4.00000	-2.80000	-0.71859	-3.0500	-479.75E-6	-0.54056	10.782E-6
	42.00000	-4.00000	-2.80000	-0.43651	-3.0500	-170.80E-6	-0.30530	6.0958E-6
	44.00000	-4.00000	-2.80000	-0.28216	-3.0500	-73.593E-6	-0.18980	3.7917E-6
	46.00000	-4.00000	-2.80000	-0.18535	-3.0500	-35.990E-6	-0.12622	2.5223E-6
	48.00000	-4.00000	-2.80000	-0.12061	-3.0500	-19.297E-6	-0.088291	1.7647E-6
	50.00000	-4.00000	-2.80000	-0.075727	-3.0500	-11.103E-6	-0.064248	1.2843E-6
	52.00000	-4.00000	-2.80000	-0.043957	-3.0500	-6.7569E-6	-0.048264	0.0
	54.00000	-4.00000	-2.80000	-0.021237	-3.0500	-4.3050E-6	-0.037215	0.0
	56.00000	-4.00000	-2.80000	-0.0049512	-3.0500	-2.8495E-6	-0.029330	0.0
	58.00000	-4.00000	-2.80000	0.0066687	-3.0500	-1.9480E-6	-0.023546	0.0
	60.00000	-4.00000	-2.80000	0.014862	-3.0500	-1.3690E-6	-0.019206	0.0
	-10.00000	-2.00000	-2.80000	0.0094676	-3.0500	-3.3249E-6	-0.028084	0.0
	-8.00000	-2.00000	-2.80000	0.0023348	-3.0500	-4.8080E-6	-0.034203	0.0
	-6.00000	-2.00000	-2.80000	-0.0065704	-3.0500	-7.0400E-6	-0.041866	0.0
	-4.00000	-2.00000	-2.80000	-0.017313	-3.0500	-10.361E-6	-0.051324	1.0259E-6
	-2.00000	-2.00000	-2.80000	-0.029731	-3.0500	-15.108E-6	-0.062622	1.2515E-6
	0.00000	-2.00000	-2.80000	-0.043285	-3.0500	-21.307E-6	-0.075303	1.5048E-6
	2.00000	-2.00000	-2.80000	-0.056999	-3.0500	-28.134E-6	-0.088104	1.7604E-6
	4.00000	-2.00000	-2.80000	-0.069691	-3.0500	-33.698E-6	-0.099086	1.9797E-6
	6.00000	-2.00000	-2.80000	-0.080630	-3.0500	-36.061E-6	-0.10664	2.1306E-6
	8.00000	-2.00000	-2.80000	-0.090285	-3.0500	-34.893E-6	-0.11079	2.2137E-6
	10.00000	-2.00000	-2.80000	-0.10057	-3.0500	-31.800E-6	-0.11356	2.2694E-6
	12.00000	-2.00000	-2.80000	-0.11459	-3.0500	-29.380E-6	-0.11842	2.3667E-6
	14.00000	-2.00000	-2.80000	-0.13624	-3.0500	-30.593E-6	-0.12972	2.5926E-6
	16.00000	-2.00000	-2.80000	-0.17039	-3.0500	-39.454E-6	-0.15319	3.0613E-6
	18.00000	-2.00000	-2.80000	-0.22371	-3.0500	-64.644E-6	-0.19828	3.9617E-6
	20.00000	-2.00000	-2.80000	-0.30692	-3.0500	-132.09E-6	-0.28464	5.6849E-6
	22.00000	-2.00000	-2.80000	-0.43986	-3.0500	-340.57E-6	-0.46148	9.2092E-6
	24.00000	-2.00000	-2.80000	-0.66422	-3.0500	-0.0012400	-0.88486	17.623E-6
	26.00000	-2.00000	-2.80000	-1.0815	-3.0500	-0.0099489	-2.3483	46.369E-6
	28.00000	-2.00000	-2.80000	-2.1144	-3.0500	-5.4210	-31.657	307.87E-6
	30.00000	-2.00000	-2.80000	-3.9644	-3.0500	-41.932	-115.08	-214.26E-6
	32.00000	-2.00000	-2.80000	-4.3779	-3.0500	-42.006	-117.92	-161.95E-6
	34.00000	-2.00000	-2.80000	-4.2732	-3.0500	-21.014	-61.016	-40.522E-6
	36.00000	-2.00000	-2.80000	-1.6803	-3.0500	-0.016834	-3.2777	64.543E-6
	38.00000	-2.00000	-2.80000	-1.0736	-3.0500	-0.0019062	-1.1378	22.641E-6
	40.00000	-2.00000	-2.80000	-0.72569	-3.0500	-485.80E-6	-0.54981	10.967E-6
	42.00000	-2.00000	-2.80000	-0.44065	-3.0500	-173.06E-6	-0.31018	6.1931E-6
	44.00000	-2.00000	-2.80000	-0.28470	-3.0500	-74.562E-6	-0.19262	3.8479E-6
	46.00000	-2.00000	-2.80000	-0.18696	-3.0500	-36.452E-6	-0.12796	2.5571E-6
	48.00000	-2.00000	-2.80000	-0.12164	-3.0500	-19.536E-6	-0.089429	1.7874E-6
	50.00000	-2.00000	-2.80000	-0.076370	-3.0500	-11.235E-6	-0.065025	1.2998E-6
	52.00000	-2.00000	-2.80000	-0.044345	-3.0500	-6.8344E-6	-0.048811	0.0
	54.00000	-2.00000	-2.80000	-0.021451	-3.0500	-4.3523E-6	-0.037613	0.0
	56.00000	-2.00000	-2.80000	-0.0050479	-3.0500	-2.8796E-6	-0.029625	0.0
	58.00000	-2.00000	-2.80000	0.0066517	-3.0500	-1.9677E-6	-0.023770	0.0
	60.00000	-2.00000	-2.80000	0.014898	-3.0500	-1.3823E-6	-0.019379	0.0
	-10.00000	0.00000	-2.80000	0.0031141	-3.0500	-4.4650E-6	-0.032531	0.0
	-8.00000	0.00000	-2.80000	-0.0064616	-3.0500	-6.8235E-6	-0.040695	0.0
	-6.00000	0.00000	-2.80000	-0.018686	-3.0500	-10.719E-6	-0.051493	1.0292E-6
	-4.00000	0.00000	-2.80000	-0.033872	-3.0500	-17.246E-6	-0.065753	1.3140E-6
	-2.00000	0.00000	-2.80000	-0.052037	-3.0500	-28.052E-6	-0.084213	1.6826E-6
	0.00000	0.00000	-2.80000	-0.072480	-3.0500	-44.702E-6	-0.10676	2.1326E-6
	2.00000	0.00000	-2.80000	-0.093279	-3.0500	-65.995E-6	-0.13096	2.6153E-6
	4.00000	0.00000	-2.80000	-0.11136	-3.0500	-84.539E-6	-0.15120	3.0189E-6
	6.00000	0.00000	-2.80000	-0.12406	-3.0500	-90.593E-6	-0.16158	3.2261E-6
	8.00000	0.00000	-2.80000	-0.13139	-3.0500	-82.480E-6	-0.16122	3.2194E-6
	10.00000	0.00000	-2.80000	-0.13650	-3.0500	-66.883E-6	-0.15492	3.0944E-6
	12.00000	0.00000	-2.80000	-0.14428	-3.0500	-52.011E-6	-0.14983	2.9934E-6
	14.00000	0.00000	-2.80000	-0.16015	-3.0500	-44.373E-6	-0.15297	3.0567E-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 [-]
	16.00000	0.00000	-2.80000	-0.18974	-3.0500	-48.655E-6	-0.17113	3.4198E-6
	18.00000	0.00000	-2.80000	-0.23999	-3.0500	-73.177E-6	-0.21399	4.2754E-6
	20.00000	0.00000	-2.80000	-0.32192	-3.0500	-146.14E-6	-0.30219	6.0351E-6
	22.00000	0.00000	-2.80000	-0.45664	-3.0500	-382.91E-6	-0.49044	9.7859E-6
	24.00000	0.00000	-2.80000	-0.69055	-3.0500	-0.0014549	-0.96130	19.139E-6
	26.00000	0.00000	-2.80000	-1.1403	-3.0500	-0.011899	-2.6632	52.549E-6
	28.00000	0.00000	-2.80000	-2.2545	-3.0500	-5.4556	-33.395	340.57E-6
	30.00000	0.00000	-2.80000	-4.0969	-3.0500	-41.973	-117.01	-178.11E-6
	32.00000	0.00000	-2.80000	-4.3821	-3.0500	-41.980	-117.59	-167.02E-6
	34.00000	0.00000	-2.80000	-4.2344	-3.0500	-20.999	-60.652	-46.898E-6
	36.00000	0.00000	-2.80000	-1.6447	-3.0500	-0.016531	-3.2184	63.377E-6
	38.00000	0.00000	-2.80000	-1.0464	-3.0500	-0.0018616	-1.1095	22.078E-6
	40.00000	0.00000	-2.80000	-0.70689	-3.0500	-470.02E-6	-0.53479	10.668E-6
	42.00000	0.00000	-2.80000	-0.42814	-3.0500	-166.78E-6	-0.30227	6.0354E-6
	44.00000	0.00000	-2.80000	-0.27648	-3.0500	-71.922E-6	-0.18842	3.7640E-6
	46.00000	0.00000	-2.80000	-0.18155	-3.0500	-35.283E-6	-0.12568	2.5115E-6
	48.00000	0.00000	-2.80000	-0.11803	-3.0500	-18.991E-6	-0.088160	1.7621E-6
	50.00000	0.00000	-2.80000	-0.073932	-3.0500	-10.969E-6	-0.064303	1.2854E-6
	52.00000	0.00000	-2.80000	-0.042664	-3.0500	-6.6981E-6	-0.048393	0.0
	54.00000	0.00000	-2.80000	-0.020273	-3.0500	-4.2799E-6	-0.037367	0.0
	56.00000	0.00000	-2.80000	-0.0042069	-3.0500	-2.8397E-6	-0.029480	0.0
	58.00000	0.00000	-2.80000	0.0072614	-3.0500	-1.9451E-6	-0.023685	0.0
	60.00000	0.00000	-2.80000	0.015347	-3.0500	-1.3692E-6	-0.019329	0.0
	-10.00000	2.00000	-2.80000	-0.0040055	-3.0500	-5.9319E-6	-0.037602	0.0
	-8.00000	2.00000	-2.80000	-0.016579	-3.0500	-9.6182E-6	-0.048476	0.0
	-6.00000	2.00000	-2.80000	-0.033126	-3.0500	-16.363E-6	-0.063798	1.2750E-6
	-4.00000	2.00000	-2.80000	-0.054589	-3.0500	-29.394E-6	-0.085834	1.7149E-6
	-2.00000	2.00000	-2.80000	-0.081784	-3.0500	-55.717E-6	-0.11784	2.3535E-6
	0.00000	2.00000	-2.80000	-0.11459	-3.0500	-108.34E-6	-0.16313	3.2561E-6
	2.00000	2.00000	-2.80000	-0.14996	-3.0500	-196.87E-6	-0.21962	4.3805E-6
	4.00000	2.00000	-2.80000	-0.18008	-3.0500	-288.07E-6	-0.26980	5.3786E-6
	6.00000	2.00000	-2.80000	-0.19617	-3.0500	-311.07E-6	-0.28804	5.7421E-6
	8.00000	2.00000	-2.80000	-0.19716	-3.0500	-262.00E-6	-0.27121	5.4085E-6
	10.00000	2.00000	-2.80000	-0.19016	-3.0500	-185.46E-6	-0.23696	4.7282E-6
	12.00000	2.00000	-2.80000	-0.18465	-3.0500	-114.73E-6	-0.20414	4.0760E-6
	14.00000	2.00000	-2.80000	-0.18913	-3.0500	-74.084E-6	-0.18725	3.7406E-6
	16.00000	2.00000	-2.80000	-0.20993	-3.0500	-64.189E-6	-0.19336	3.8633E-6
	18.00000	2.00000	-2.80000	-0.25314	-3.0500	-83.671E-6	-0.22904	4.5758E-6
	20.00000	2.00000	-2.80000	-0.32847	-3.0500	-156.07E-6	-0.31219	6.2345E-6
	22.00000	2.00000	-2.80000	-0.45533	-3.0500	-395.79E-6	-0.49490	9.8743E-6
	24.00000	2.00000	-2.80000	-0.67721	-3.0500	-0.0014689	-0.95418	18.995E-6
	26.00000	2.00000	-2.80000	-1.1057	-3.0500	-0.011889	-2.6246	51.778E-6
	28.00000	2.00000	-2.80000	-2.1822	-3.0500	-5.4555	-33.275	338.16E-6
	30.00000	2.00000	-2.80000	-3.9693	-3.0500	-41.972	-116.70	-184.25E-6
	32.00000	2.00000	-2.80000	-4.2117	-3.0500	-41.978	-117.12	-176.26E-6
	34.00000	2.00000	-2.80000	-4.0727	-3.0500	-20.998	-60.270	-54.445E-6
	36.00000	2.00000	-2.80000	-1.5281	-3.0500	-0.016026	-3.0193	59.425E-6
	38.00000	2.00000	-2.80000	-0.97176	-3.0500	-0.0017175	-1.0192	20.281E-6
	40.00000	2.00000	-2.80000	-0.65990	-3.0500	-425.22E-6	-0.49268	9.8281E-6
	42.00000	2.00000	-2.80000	-0.39855	-3.0500	-150.91E-6	-0.28139	5.6188E-6
	44.00000	2.00000	-2.80000	-0.25771	-3.0500	-65.631E-6	-0.17742	3.5446E-6
	46.00000	2.00000	-2.80000	-0.16944	-3.0500	-32.549E-6	-0.11958	2.3897E-6
	48.00000	2.00000	-2.80000	-0.11007	-3.0500	-17.711E-6	-0.084619	1.6913E-6
	50.00000	2.00000	-2.80000	-0.068600	-3.0500	-10.330E-6	-0.062164	1.2427E-6
	52.00000	2.00000	-2.80000	-0.039043	-3.0500	-6.3626E-6	-0.047057	0.0
	54.00000	2.00000	-2.80000	-0.017785	-3.0500	-4.0953E-6	-0.036507	0.0
	56.00000	2.00000	-2.80000	-0.0024844	-3.0500	-2.7341E-6	-0.028912	0.0
	58.00000	2.00000	-2.80000	0.0084607	-3.0500	-1.8825E-6	-0.023301	0.0
	60.00000	2.00000	-2.80000	0.016184	-3.0500	-1.3310E-6	-0.019064	0.0
	-10.00000	4.00000	-2.80000	-0.011602	-3.0500	-7.7063E-6	-0.043132	0.0
	-8.00000	4.00000	-2.80000	-0.027661	-3.0500	-13.246E-6	-0.057380	1.1468E-6
	-6.00000	4.00000	-2.80000	-0.049549	-3.0500	-24.464E-6	-0.078826	1.5751E-6
	-4.00000	4.00000	-2.80000	-0.079457	-3.0500	-49.735E-6	-0.11275	2.2521E-6
	-2.00000	4.00000	-2.80000	-0.12045	-3.0500	-115.22E-6	-0.16979	3.3889E-6
	0.00000	4.00000	-2.80000	-0.17594	-3.0500	-313.78E-6	-0.27150	5.4112E-6
	2.00000	4.00000	-2.80000	-0.24494	-3.0500	-898.60E-6	-0.44571	8.8603E-6
	4.00000	4.00000	-2.80000	-0.30814	-3.0500	-0.0017605	-0.64012	12.697E-6
	6.00000	4.00000	-2.80000	-0.33168	-3.0500	-0.0018760	-0.68391	13.566E-6
	8.00000	4.00000	-2.80000	-0.31353	-3.0500	-0.0014182	-0.58472	11.609E-6
	10.00000	4.00000	-2.80000	-0.27697	-3.0500	-883.13E-6	-0.44432	8.8335E-6
	12.00000	4.00000	-2.80000	-0.24223	-3.0500	-355.17E-6	-0.31205	6.2198E-6
	14.00000	4.00000	-2.80000	-0.22251	-3.0500	-146.31E-6	-0.24147	4.8205E-6
	16.00000	4.00000	-2.80000	-0.23230	-3.0500	-95.369E-6	-0.22405	4.4752E-6
	18.00000	4.00000	-2.80000	-0.26480	-3.0500	-104.89E-6	-0.24765	4.9466E-6
	20.00000	4.00000	-2.80000	-0.32913	-3.0500	-176.62E-6	-0.32089	6.4073E-6
	22.00000	4.00000	-2.80000	-0.44044	-3.0500	-431.31E-6	-0.48877	9.7496E-6
	24.00000	4.00000	-2.80000	-0.63206	-3.0500	-0.0014790	-0.89760	17.863E-6
	26.00000	4.00000	-2.80000	-0.98674	-3.0500	-0.010403	-2.2871	45.117E-6
	28.00000	4.00000	-2.80000	-1.8991	-3.0500	-5.4328	-31.553	305.09E-6
	30.00000	4.00000	-2.80000	-3.5081	-3.0500	-41.919	-113.29	-249.35E-6
	32.00000	4.00000	-2.80000	-3.6934	-3.0500	-41.924	-113.58	-243.79E-6
	34.00000	4.00000	-2.80000	-3.6469	-3.0500	-20.969	-58.177	-94.627E-6
	36.00000	4.00000	-2.80000	-1.2893	-3.0500	-0.013481	-2.4745	48.680E-6
	38.00000	4.00000	-2.80000	-0.84088	-3.0500	-0.0013649	-0.84757	16.870E-6
	40.00000	4.00000	-2.80000	-0.58221	-3.0500	-344.01E-6	-0.42380	8.4553E-6
	42.00000	4.00000	-2.80000	-0.35232	-3.0500	-125.71E-6	-0.24918	4.9760E-6
	44.00000	4.00000	-2.80000	-0.22950	-3.0500	-56.196E-6	-0.16076	3.2118E-6
	46.00000	4.00000	-2.80000	-0.15157	-3.0500	-28.537E-6	-0.11032	2.2046E-6
	48.00000	4.00000	-2.80000	-0.098402	-3.0500	-15.837E-6	-0.079172	1.5825E-6
	50.00000	4.00000	-2.80000	-0.060811	-3.0500	-9.3903E-6	-0.058818	1.1758E-6
	52.00000	4.00000	-2.80000	-0.033764	-3.0500	-5.8629E-6	-0.044924	0.0
	54.00000	4.00000	-2.80000	-0.014174	-3.0500	-3.8166E-6	-0.035104	0.0
	56.00000	4.00000	-2.80000	0.0	-3.0500	-2.5722E-6	-0.027964	0.0
	58.00000	4.00000	-2.80000	0.010170	-3.0500	-1.7851E-6	-0.022645	0.0
	60.00000	4.00000	-2.80000	0.017357	-3.0500	-1.2705E-6	-0.018601	0.0
	-10.00000	6.00000	-2.80000	-0.019216	-3.0500	-9.6755E-6	-0.048782	0.0
	-8.00000	6.00000	-2.80000	-0.039032	-3.0500	-17.505E-6	-0.066868	1.3363E-6
	-6.00000	6.00000	-2.80000	-0.066974	-3.0500	-34.785E-6	-0.095765	1.9132E-6
	-4.00000	6.00000	-2.80000	-0.10720	-3.0500	-79.351E-6	-0.14574	2.9099E-6
	-2.00000	6.00000	-2.80000	-0.16718	-3.0500	-227.58E-6	-0.24333	4.8530E-6
	0.00000	6.00000	-2.80000	-0.26129	-3.0500	-0.0010487	-0.48049	9.5468E-6
	2.00000	6.00000	-2.80000	-0.41451	-3.0500	-0.017778	-1.4016	26.966E-6
	4.00000	6.00000	-2.80000	-0.59832	-3.0500	-0.066863	-3.3157	62.302E-6
	6.00000	6.00000	-2.80000	-0.63468	-3.0500	-0.064742	-3.3534	63.184E-6
	8.00000	6.00000	-2.80000	-0.54680	-3.0500	-0.052820	-2.5034	46.899E-6
	10.00000	6.00000	-2.80000	-0.43505	-3.0500	-0.033500	-1.6644	31.277E-6
	12.00000	6.00000	-2.80000	-0.32447	-3.0500	-0.0017983	-0.56490	11.190E-6
	14.00000	6.00000	-2.80000	-0.27035	-3.0500	-320.02E-6	-0.32658	6.5124E-6
	16.00000	6.00000	-2.80000	-0.25844	-3.0500	-175.41E-6	-0.27151	5.4197E-6
	18.00000	6.00000	-2.80000	-0.27820	-3.0500	-180.05E-6	-0.28167	5.6226E-6
	20.00000	6.00000	-2.80000	-0.32940	-3.0500	-265.76E-6	-0.34520	6.8880E-6
	22.00000	6.00000	-2.80000	-0.42311	-3.0500	-796.18E-6	-0.51832	10.319E-6
	24.00000	6.00000	-2.80000	-0.58605	-3.0500	-0.0089212	-1.1245	21.956E-6
	26.00000	6.00000	-2.80000	-0.83904	-3.0500	-0.022752	-2.2525	43.684E-6
	28.00000	6.00000	-2.80000	-1.2294	-3.0500	-0.14289	-6.1126	113.68E-6
	30.00000	6.00000	-2.80000	-1.5841	-3.0500	-0.35563	-10.956	197.78E-6
	32.00000	6.00000	-2.80000	-1.6451	-3.0500	-0.34576	-10.596	191.17E-6
	34.00000	6.00000	-2.80000	-1.4842	-3.0500	-0.17546	-6.0698	110.87E-6
	36.00000	6.00000	-2.80000	-0.92038	-3.0500	-0.0052936	-1.4339	28.360E-6
	38.00000	6.00000	-2.80000	-0.64965	-3.0500	-807.91E-6	-0.61631	12.278E-6
	40.00000	6.00000	-2.80000	-0.46365	-3.0500	-238.78E-6	-0.33867	6.7591E-6
	42.00000	6.00000	-2.80000	-0.29205	-3.0500	-95.190E-6	-0.21018	4.1979E-6
	44.00000	6.00000	-2.80000	-0.19446	-3.0500	-45.007E-6	-0.14053	2.8080E-6
	46.00000	6.00000	-2.80000	-0.12962	-3.0500	-23.782E-6	-0.098934	1.9773E-6
	48.00000	6.00000	-2.80000	-0.084063	-3.0500	-13.599E-6	-0.072378	1.4468E-6
	50.00000	6.00000	-2.80000	-0.051208	-3.0500	-8.2533E-6	-0.054574	1.0910E-6
	52.00000	6.00000	-2.80000	-0.027236	-3.0500	-5.2499E-6	-0.042173	0.0
	54.00000	6.00000	-2.80000	-0.0097003	-3.0500	-3.4698E-6	-0.033265	0.0
	56.00000	6.00000	-2.80000	0.0030728	-3.0500	-2.3678E-6	-0.026701	0.0
	58.00000	6.00000	-2.80000	0.012278	-3.0500	-1.6604E-6	-0.021758	0.0
	60.00000	6.00000	-2.80000	0.018792	-3.0500	-1.1921E-6	-0.017965	0.0
	-10.00000	8.00000	-2.80000	-0.026253	-3.0500	-11.628E-6	-0.054060	1.0805E-6
	-8.00000	8.00000	-2.80000	-0.049718	-3.0500	-21.875E-6	-0.076007	1.5188E-6
	-6.00000	8.00000	-2.80000	-0.083739	-3.0500	-45.838E-6	-0.11270	2.2512E-6
	-4.00000	8.00000	-2.80000	-0.13478	-3.0500	-113.09E-6	-0.18035	3.6002E-6
	-2.00000	8.00000	-2.80000	-0.21596	-3.0500	-371.42E-6	-0.32667	6.5110E-6
	0.00000	8.00000	-2.80000	-0.35839	-3.0500	-0.0023877	-0.76502	15.157E-6
	2.00000	8.00000	-2.80000	-0.66840	-3.0500	-0.58054	-6.0073	85.314E-6
	4.00000	8.00000	-2.80000	-1.3926	-3.0500	-9.7314	-36.880	153.72E-6
	6.00000	8.00000	-2.80000	-1.3989	-3.0500	-9.3070	-32.795	97.472E-6
	8.00000	8.00000	-2.80000	-1.0954	-3.0500	-8.9870	-25.396	-31.303E-6

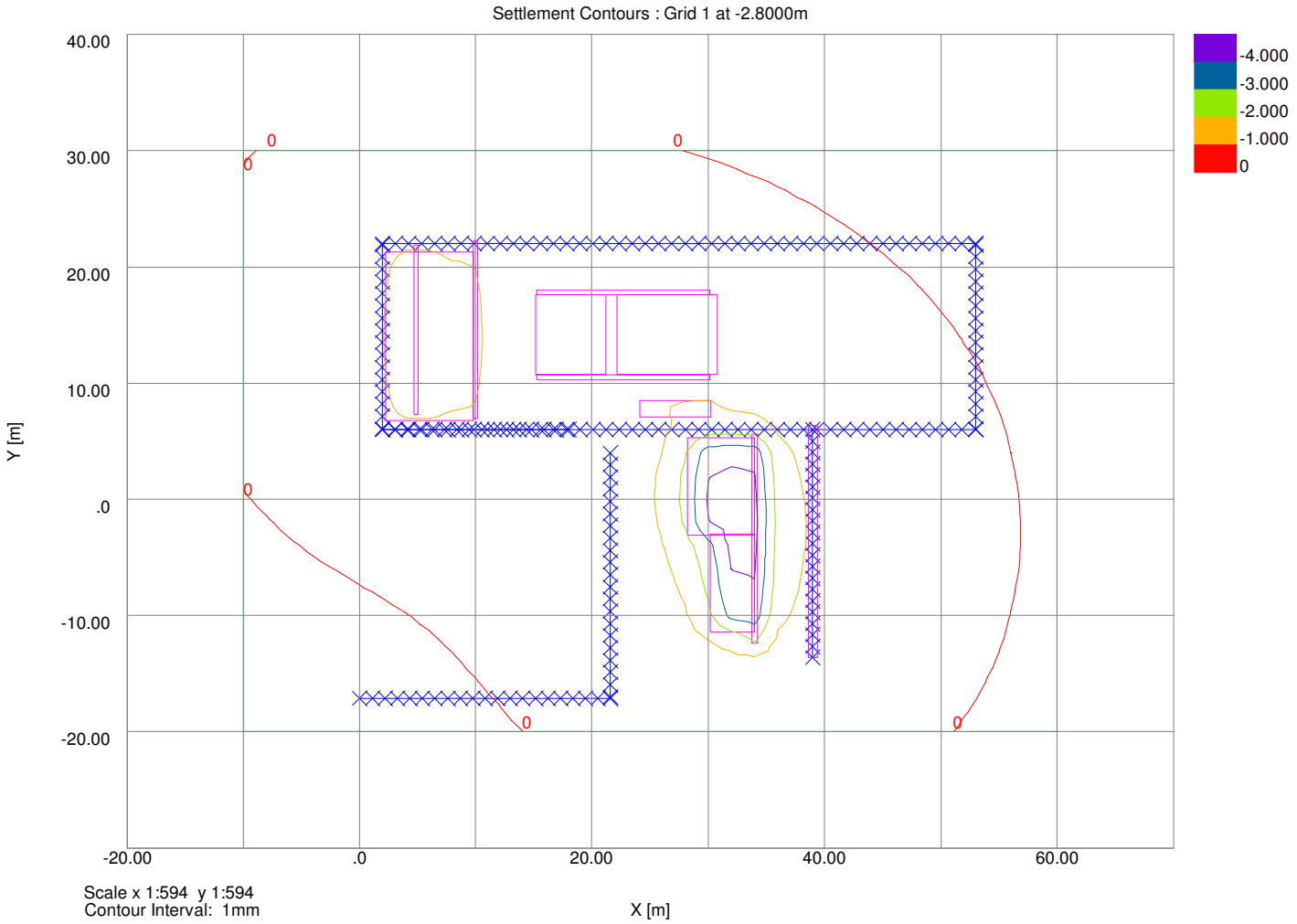
Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	10.00000	8.00000	-2.80000	-0.96972	-3.0500	-14.105	-29.237	-261.58E-6
	12.00000	8.00000	-2.80000	-0.42124	-3.0500	-0.0058576	-0.98668	19.382E-6
	14.00000	8.00000	-2.80000	-0.32014	-3.0500	-676.67E-6	-0.44477	8.8549E-6
	16.00000	8.00000	-2.80000	-0.29125	-3.0500	-717.97E-6	-0.37538	7.4645E-6
	18.00000	8.00000	-2.80000	-0.30022	-3.0500	-872.72E-6	-0.39010	7.7497E-6
	20.00000	8.00000	-2.80000	-0.33846	-3.0500	-985.79E-6	-0.44695	8.8798E-6
	22.00000	8.00000	-2.80000	-0.41438	-3.0500	-0.0020527	-0.63756	12.628E-6
	24.00000	8.00000	-2.80000	-0.60034	-3.0500	-1.6094	-6.6838	37.110E-6
	26.00000	8.00000	-2.80000	-0.94081	-3.0500	-8.7805	-21.340	-100.03E-6
	28.00000	8.00000	-2.80000	-1.0878	-3.0500	-8.7833	-21.824	-90.528E-6
	30.00000	8.00000	-2.80000	-1.1241	-3.0500	-8.0312	-18.162	-118.64E-6
	32.00000	8.00000	-2.80000	-0.89268	-3.0500	-0.0077440	-1.8360	36.256E-6
	34.00000	8.00000	-2.80000	-0.77390	-3.0500	-0.0034833	-1.2301	24.393E-6
	36.00000	8.00000	-2.80000	-0.59827	-3.0500	-0.0011590	-0.70998	14.130E-6
	38.00000	8.00000	-2.80000	-0.44616	-3.0500	-373.41E-6	-0.41160	8.2096E-6
	40.00000	8.00000	-2.80000	-0.32605	-3.0500	-145.27E-6	-0.25676	5.1265E-6
	42.00000	8.00000	-2.80000	-0.22789	-3.0500	-66.329E-6	-0.17082	3.4124E-6
	44.00000	8.00000	-2.80000	-0.15697	-3.0500	-33.992E-6	-0.11939	2.3857E-6
	46.00000	8.00000	-2.80000	-0.10582	-3.0500	-18.952E-6	-0.086687	1.7326E-6
	48.00000	8.00000	-2.80000	-0.068319	-3.0500	-11.264E-6	-0.064885	1.2970E-6
	50.00000	8.00000	-2.80000	-0.040555	-3.0500	-7.0388E-6	-0.049789	0.0
	52.00000	8.00000	-2.80000	-0.019938	-3.0500	-4.5813E-6	-0.039011	0.0
	54.00000	8.00000	-2.80000	-0.0046737	-3.0500	-3.0843E-6	-0.031115	0.0
	56.00000	8.00000	-2.80000	0.0065350	-3.0500	-2.1367E-6	-0.025202	0.0
	58.00000	8.00000	-2.80000	0.014650	-3.0500	-1.5173E-6	-0.020690	0.0
	60.00000	8.00000	-2.80000	0.020401	-3.0500	-1.1009E-6	-0.017190	0.0
	-10.00000	10.00000	-2.80000	-0.032063	-3.0500	-13.301E-6	-0.058398	1.1672E-6
	-8.00000	10.00000	-2.80000	-0.058612	-3.0500	-25.659E-6	-0.083667	1.6718E-6
	-6.00000	10.00000	-2.80000	-0.097835	-3.0500	-55.402E-6	-0.12711	2.5389E-6
	-4.00000	10.00000	-2.80000	-0.15817	-3.0500	-141.44E-6	-0.20991	4.1897E-6
	-2.00000	10.00000	-2.80000	-0.25723	-3.0500	-479.62E-6	-0.39560	7.8832E-6
	0.00000	10.00000	-2.80000	-0.43726	-3.0500	-0.0030340	-0.96373	19.093E-6
	2.00000	10.00000	-2.80000	-0.83073	-3.0500	-0.58825	-6.7972	100.65E-6
	4.00000	10.00000	-2.80000	-1.7126	-3.0500	-9.8345	-40.642	222.77E-6
	6.00000	10.00000	-2.80000	-1.7191	-3.0500	-9.3768	-36.008	157.56E-6
	8.00000	10.00000	-2.80000	-1.3048	-3.0500	-9.0040	-26.666	-6.9266E-6
	10.00000	10.00000	-2.80000	-1.1079	-3.0500	-14.121	-30.099	-245.31E-6
	12.00000	10.00000	-2.80000	-0.49549	-3.0500	-0.0071173	-1.2236	24.045E-6
	14.00000	10.00000	-2.80000	-0.36753	-3.0500	-0.0024824	-0.62530	12.357E-6
	16.00000	10.00000	-2.80000	-0.34989	-3.0500	-0.28598	-2.2034	26.909E-6
	18.00000	10.00000	-2.80000	-0.35722	-3.0500	-0.29408	-2.4096	30.548E-6
	20.00000	10.00000	-2.80000	-0.38398	-3.0500	-0.29392	-2.4517	31.400E-6
	22.00000	10.00000	-2.80000	-0.44150	-3.0500	-0.29292	-2.6047	34.518E-6
	24.00000	10.00000	-2.80000	-0.53534	-3.0500	-0.30996	-3.2400	46.202E-6
	26.00000	10.00000	-2.80000	-0.62451	-3.0500	-0.31415	-3.6169	53.489E-6
	28.00000	10.00000	-2.80000	-0.67770	-3.0500	-0.31426	-3.6997	55.139E-6
	30.00000	10.00000	-2.80000	-0.66085	-3.0500	-0.21101	-2.7430	42.200E-6
	32.00000	10.00000	-2.80000	-0.57909	-3.0500	-0.0031318	-0.92992	18.411E-6
	34.00000	10.00000	-2.80000	-0.49395	-3.0500	-793.10E-6	-0.59686	11.890E-6
	36.00000	10.00000	-2.80000	-0.40137	-3.0500	-365.91E-6	-0.40793	8.1366E-6
	38.00000	10.00000	-2.80000	-0.31286	-3.0500	-172.12E-6	-0.27730	5.5357E-6
	40.00000	10.00000	-2.80000	-0.23606	-3.0500	-84.311E-6	-0.19167	3.8284E-6
	42.00000	10.00000	-2.80000	-0.17218	-3.0500	-44.142E-6	-0.13622	2.7217E-6
	44.00000	10.00000	-2.80000	-0.12151	-3.0500	-24.681E-6	-0.099591	1.9903E-6
	46.00000	10.00000	-2.80000	-0.082371	-3.0500	-14.607E-6	-0.074700	1.4931E-6
	48.00000	10.00000	-2.80000	-0.052420	-3.0500	-9.0662E-6	-0.057297	1.1454E-6
	50.00000	10.00000	-2.80000	-0.029614	-3.0500	-5.8555E-6	-0.044811	0.0
	52.00000	10.00000	-2.80000	-0.012355	-3.0500	-3.9111E-6	-0.035645	0.0
	54.00000	10.00000	-2.80000	590.84E-6	-3.0500	-2.6885E-6	-0.028781	0.0
	56.00000	10.00000	-2.80000	0.010177	-3.0500	-1.8947E-6	-0.023548	0.0
	58.00000	10.00000	-2.80000	0.017148	-3.0500	-1.3647E-6	-0.019495	0.0
	60.00000	10.00000	-2.80000	0.022089	-3.0500	-1.0021E-6	-0.016311	0.0
	-10.00000	12.00000	-2.80000	-0.036063	-3.0500	-14.454E-6	-0.061283	1.2248E-6
	-8.00000	12.00000	-2.80000	-0.064716	-3.0500	-28.256E-6	-0.088828	1.7749E-6
	-6.00000	12.00000	-2.80000	-0.10748	-3.0500	-61.797E-6	-0.13685	2.7332E-6
	-4.00000	12.00000	-2.80000	-0.17402	-3.0500	-158.98E-6	-0.22946	4.5796E-6
	-2.00000	12.00000	-2.80000	-0.28432	-3.0500	-534.39E-6	-0.43766	8.7212E-6
	0.00000	12.00000	-2.80000	-0.48469	-3.0500	-0.0032290	-1.0602	21.011E-6
	2.00000	12.00000	-2.80000	-0.91142	-3.0500	-0.58896	-7.0191	105.04E-6
	4.00000	12.00000	-2.80000	-1.8301	-3.0500	-9.8366	-41.062	231.06E-6
	6.00000	12.00000	-2.80000	-1.8410	-3.0500	-9.3788	-36.438	166.04E-6
	8.00000	12.00000	-2.80000	-1.3999	-3.0500	-9.0050	-26.945	-1.3941E-6
	10.00000	12.00000	-2.80000	-1.1733	-3.0500	-14.122	-30.271	-241.90E-6
	12.00000	12.00000	-2.80000	-0.53700	-3.0500	-0.0073780	-1.3235	26.027E-6
	14.00000	12.00000	-2.80000	-0.39928	-3.0500	-0.0050953	-0.79148	15.524E-6
	16.00000	12.00000	-2.80000	-0.43183	-3.0500	-2.2390	-6.2210	-9.9188E-6
	18.00000	12.00000	-2.80000	-0.43867	-3.0500	-2.2496	-6.5466	-4.0448E-6
	20.00000	12.00000	-2.80000	-0.45516	-3.0500	-2.2477	-6.5345	-4.1725E-6
	22.00000	12.00000	-2.80000	-0.46884	-3.0500	-0.60013	-4.2184	48.360E-6
	24.00000	12.00000	-2.80000	-0.64057	-3.0500	-4.4942	-12.627	-17.117E-6
	26.00000	12.00000	-2.80000	-0.68955	-3.0500	-4.4959	-12.820	-13.345E-6
	28.00000	12.00000	-2.80000	-0.70038	-3.0500	-4.4956	-12.791	-13.916E-6
	30.00000	12.00000	-2.80000	-0.64665	-3.0500	-4.4699	-11.979	-28.611E-6
	32.00000	12.00000	-2.80000	-0.42923	-3.0500	-0.0076066	-0.87297	17.003E-6
	34.00000	12.00000	-2.80000	-0.34638	-3.0500	-499.42E-6	-0.40040	7.9781E-6
	36.00000	12.00000	-2.80000	-0.28125	-3.0500	-179.93E-6	-0.27243	5.4377E-6
	38.00000	12.00000	-2.80000	-0.22301	-3.0500	-91.416E-6	-0.19682	3.9309E-6
	40.00000	12.00000	-2.80000	-0.17141	-3.0500	-50.523E-6	-0.14489	2.8947E-6
	42.00000	12.00000	-2.80000	-0.12714	-3.0500	-29.240E-6	-0.10836	2.1655E-6
	44.00000	12.00000	-2.80000	-0.090437	-3.0500	-17.629E-6	-0.082413	1.6472E-6
	46.00000	12.00000	-2.80000	-0.060810	-3.0500	-11.041E-6	-0.063734	1.2740E-6
	48.00000	12.00000	-2.80000	-0.037345	-3.0500	-7.1555E-6	-0.050074	1.0011E-6
	50.00000	12.00000	-2.80000	-0.019026	-3.0500	-4.7808E-6	-0.039922	0.0
	52.00000	12.00000	-2.80000	-0.0049119	-3.0500	-3.2811E-6	-0.032256	0.0
	54.00000	12.00000	-2.80000	0.0058066	-3.0500	-2.3060E-6	-0.026381	0.0
	56.00000	12.00000	-2.80000	0.013805	-3.0500	-1.6553E-6	-0.021815	0.0
	58.00000	12.00000	-2.80000	0.019640	-3.0500	-1.2108E-6	-0.018223	0.0
	60.00000	12.00000	-2.80000	0.023766	-3.0500	0.0	-0.015363	0.0
	-10.00000	14.00000	-2.80000	-0.037844	-3.0500	-14.928E-6	-0.062354	1.2462E-6
	-8.00000	14.00000	-2.80000	-0.067341	-3.0500	-29.322E-6	-0.090817	1.8146E-6
	-6.00000	14.00000	-2.80000	-0.11153	-3.0500	-64.360E-6	-0.14068	2.8096E-6
	-4.00000	14.00000	-2.80000	-0.18052	-3.0500	-165.59E-6	-0.23710	4.7320E-6
	-2.00000	14.00000	-2.80000	-0.29505	-3.0500	-552.33E-6	-0.45331	9.0331E-6
	0.00000	14.00000	-2.80000	-0.50236	-3.0500	-0.0032777	-1.0920	21.642E-6
	2.00000	14.00000	-2.80000	-0.93865	-3.0500	-0.58908	-7.0779	106.21E-6
	4.00000	14.00000	-2.80000	-1.8657	-3.0500	-9.8368	-41.149	232.78E-6
	6.00000	14.00000	-2.80000	-1.8775	-3.0500	-9.3790	-36.529	167.83E-6
	8.00000	14.00000	-2.80000	-1.4294	-3.0500	-9.0051	-27.014	0.0
	10.00000	14.00000	-2.80000	-1.1931	-3.0500	-14.122	-30.316	-241.00E-6
	12.00000	14.00000	-2.80000	-0.54828	-3.0500	-0.0074387	-1.3531	26.616E-6
	14.00000	14.00000	-2.80000	-0.40517	-3.0500	-0.0052712	-0.82509	16.186E-6
	16.00000	14.00000	-2.80000	-0.43454	-3.0500	-2.2391	-6.2674	-8.9968E-6
	18.00000	14.00000	-2.80000	-0.43652	-3.0500	-2.2496	-6.5948	-3.0801E-6
	20.00000	14.00000	-2.80000	-0.44491	-3.0500	-2.2475	-6.5705	-3.4423E-6
	22.00000	14.00000	-2.80000	-0.44971	-3.0500	-0.60011	-4.2702	49.397E-6
	24.00000	14.00000	-2.80000	-0.61183	-3.0500	-4.4975	-12.786	-14.138E-6
	26.00000	14.00000	-2.80000	-0.64275	-3.0500	-4.4993	-12.962	-10.728E-6
	28.00000	14.00000	-2.80000	-0.63436	-3.0500	-4.4990	-12.900	-11.945E-6
	30.00000	14.00000	-2.80000	-0.56469	-3.0500	-4.4737	-12.058	-27.259E-6
	32.00000	14.00000	-2.80000	-0.33526	-3.0500	-0.0080965	-0.81239	15.762E-6
	34.00000	14.00000	-2.80000	-0.25454	-3.0500	-438.95E-6	-0.31036	6.1809E-6
	36.00000	14.00000	-2.80000	-0.20207	-3.0500	-120.22E-6	-0.20066	4.0060E-6
	38.00000	14.00000	-2.80000	-0.15968	-3.0500	-56.773E-6	-0.14705	2.9376E-6
	40.00000	14.00000	-2.80000	-0.12299	-3.0500	-32.331E-6	-0.11200	2.2381E-6
	42.00000	14.00000	-2.80000	-0.091217	-3.0500	-19.794E-6	-0.086817	1.7351E-6
	44.00000	14.00000	-2.80000	-0.064240	-3.0500	-12.613E-6	-0.068158	1.3624E-6
	46.00000	14.00000	-2.80000	-0.041870	-3.0500	-8.2842E-6	-0.054139	1.0823E-6
	48.00000	14.00000	-2.80000	-0.023711	-3.0500	-5.5849E-6	-0.043491	0.0
	50.00000	14.00000	-2.80000	-0.0092490	-3.0500	-3.8545E-6	-0.035319	0.0
	52.00000	14.00000	-2.80000	0.0020619	-3.0500	-2.7174E-6	-0.028978	0.0
	54.00000	14.00000	-2.80000	0.010741	-3.0500	-1.9531E-6	-0.024008	0.0
	56.00000	14.00000	-2.80000	0.017255	-3.0500	-1.4286E-6	-0.020070	0.0
	58.00000	14.00000	-2.80000	0.022010	-3.0500	-1.0619E-6	-0.016921	0.0
	60.00000	14.00000	-2.80000	0.025354	-3.0500	0.0	-0.014379	0.0
	-10.00000	16.00000	-2.80000	-0.037232	-3.0500	-14.661E-6	-0.061464	1.2284E-6
	-8.00000	16.00000	-2.80000	-0.066206	-3.0500	-28.735E-6	-0.089371	1.7857E-6
	-6.00000	16.00000	-2.80000	-0.10952	-3.0500	-62.970E-6	-0.13817	2.7596E-6
	-4.00000	16.00000	-2.80000	-0.17705	-3.0500	-162.06E-6	-0.23249	4.6400E-6
	-2.00000	16.00000	-2.80000	-0.28915	-3.0500	-542.97E-6	-0.44447	8.8568E-6
	0.00000	16.00000	-2.80000	-0.49263	-3.0500	-0.0032537	-1.0751	21.307E-6
	2.00000	16.00000	-2.80000	-0.92388	-3.0500	-0.58903	-7.0488	105.64E-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 [-]
	4.00000	16.00000	-2.80000	-1.8463	-3.0500	-9.8367	-41.109	231.97E-6
	6.00000	16.00000	-2.80000	-1.8560	-3.0500	-9.3789	-36.484	166.94E-6
	8.00000	16.00000	-2.80000	-1.4088	-3.0500	-9.0050	-26.975	0.0
	10.00000	16.00000	-2.80000	-1.1747	-3.0500	-14.122	-30.286	-241.60E-6
	12.00000	16.00000	-2.80000	-0.53111	-3.0500	-0.0074019	-1.3291	26.139E-6
	14.00000	16.00000	-2.80000	-0.38638	-3.0500	-0.0052003	-0.79669	15.622E-6
	16.00000	16.00000	-2.80000	-0.41140	-3.0500	-2.2393	-6.2350	-9.6568E-6
	18.00000	16.00000	-2.80000	-0.40743	-3.0500	-2.2499	-6.5555	-3.8822E-6
	20.00000	16.00000	-2.80000	-0.40812	-3.0500	-2.2479	-6.5238	-4.3949E-6
	22.00000	16.00000	-2.80000	-0.40080	-3.0500	-0.60022	-4.1881	47.748E-6
	24.00000	16.00000	-2.80000	-0.54659	-3.0500	-4.4964	-12.619	-17.411E-6
	26.00000	16.00000	-2.80000	-0.56458	-3.0500	-4.4981	-12.763	-14.624E-6
	28.00000	16.00000	-2.80000	-0.54852	-3.0500	-4.4977	-12.694	-15.988E-6
	30.00000	16.00000	-2.80000	-0.47874	-3.0500	-4.4723	-11.867	-30.993E-6
	32.00000	16.00000	-2.80000	-0.25792	-3.0500	-0.0076928	-0.70068	13.552E-6
	34.00000	16.00000	-2.80000	-0.18745	-3.0500	-361.99E-6	-0.24387	4.8557E-6
	36.00000	16.00000	-2.80000	-0.14516	-3.0500	-87.481E-6	-0.15384	3.0715E-6
	38.00000	16.00000	-2.80000	-0.11304	-3.0500	-38.581E-6	-0.11351	2.2680E-6
	40.00000	16.00000	-2.80000	-0.086007	-3.0500	-21.880E-6	-0.088327	1.7652E-6
	42.00000	16.00000	-2.80000	-0.062653	-3.0500	-13.778E-6	-0.070251	1.4042E-6
	44.00000	16.00000	-2.80000	-0.042617	-3.0500	-9.1199E-6	-0.056559	1.1306E-6
	46.00000	16.00000	-2.80000	-0.025736	-3.0500	-6.2203E-6	-0.045960	0.0
	48.00000	16.00000	-2.80000	-0.011807	-3.0500	-4.3389E-6	-0.037662	0.0
	50.00000	16.00000	-2.80000	-552.92E-6	-3.0500	-3.0847E-6	-0.031112	0.0
	52.00000	16.00000	-2.80000	0.008347	-3.0500	-2.2308E-6	-0.025903	0.0
	54.00000	16.00000	-2.80000	0.015226	-3.0500	-1.6387E-6	-0.021731	0.0
	56.00000	16.00000	-2.80000	0.020402	-3.0500	-1.2213E-6	-0.018364	0.0
	58.00000	16.00000	-2.80000	0.024170	-3.0500	0.0	-0.015627	0.0
	60.00000	16.00000	-2.80000	0.026787	-3.0500	0.0	-0.013387	0.0
	-10.00000	18.00000	-2.80000	-0.034320	-3.0500	-13.686E-6	-0.058697	1.1731E-6
	-8.00000	18.00000	-2.80000	-0.061462	-3.0500	-26.555E-6	-0.084630	1.6910E-6
	-6.00000	18.00000	-2.80000	-0.10171	-3.0500	-57.656E-6	-0.12954	2.5874E-6
	-4.00000	18.00000	-2.80000	-0.16393	-3.0500	-147.73E-6	-0.21572	4.3056E-6
	-2.00000	18.00000	-2.80000	-0.26667	-3.0500	-499.90E-6	-0.40972	8.1644E-6
	0.00000	18.00000	-2.80000	-0.45406	-3.0500	-0.0031131	-1.0001	19.815E-6
	2.00000	18.00000	-2.80000	-0.86144	-3.0500	-0.58861	-6.8959	102.60E-6
	4.00000	18.00000	-2.80000	-1.7607	-3.0500	-9.8359	-40.867	227.10E-6
	6.00000	18.00000	-2.80000	-1.7643	-3.0500	-9.3781	-36.225	161.81E-6
	8.00000	18.00000	-2.80000	-1.3291	-3.0500	-9.0044	-26.769	-4.8876E-6
	10.00000	18.00000	-2.80000	-1.1136	-3.0500	-14.122	-30.149	-244.31E-6
	12.00000	18.00000	-2.80000	-0.48469	-3.0500	-0.0072091	-1.2418	24.403E-6
	14.00000	18.00000	-2.80000	-0.34200	-3.0500	-0.0032913	-0.65121	12.827E-6
	16.00000	18.00000	-2.80000	-0.35544	-3.0500	-2.3906	-5.7810	-27.815E-6
	18.00000	18.00000	-2.80000	-0.34200	-3.0500	-2.4043	-6.0498	-23.260E-6
	20.00000	18.00000	-2.80000	-0.33601	-3.0500	-2.4038	-6.0461	-23.303E-6
	22.00000	18.00000	-2.80000	-0.34543	-3.0500	-2.3739	-6.0035	-22.366E-6
	24.00000	18.00000	-2.80000	-0.37444	-3.0500	-2.4818	-6.9997	-8.9136E-6
	26.00000	18.00000	-2.80000	-0.37965	-3.0500	-2.4825	-7.0626	-7.6948E-6
	28.00000	18.00000	-2.80000	-0.36329	-3.0500	-2.4821	-7.0060	-8.8080E-6
	30.00000	18.00000	-2.80000	-0.29897	-3.0500	-1.8695	-5.0747	-10.675E-6
	32.00000	18.00000	-2.80000	-0.18090	-3.0500	-0.0029507	-0.40974	8.0178E-6
	34.00000	18.00000	-2.80000	-0.13281	-3.0500	-216.53E-6	-0.17765	3.5401E-6
	36.00000	18.00000	-2.80000	-0.10146	-3.0500	-58.555E-6	-0.11764	2.3493E-6
	38.00000	18.00000	-2.80000	-0.077421	-3.0500	-26.419E-6	-0.088835	1.7751E-6
	40.00000	18.00000	-2.80000	-0.057308	-3.0500	-15.186E-6	-0.070590	1.4109E-6
	42.00000	18.00000	-2.80000	-0.039961	-3.0500	-9.7848E-6	-0.057361	1.1466E-6
	44.00000	18.00000	-2.80000	-0.025006	-3.0500	-6.6690E-6	-0.047160	0.0
	46.00000	18.00000	-2.80000	-0.012293	-3.0500	-4.6906E-6	-0.039077	0.0
	48.00000	18.00000	-2.80000	-0.0016963	-3.0500	-3.3690E-6	-0.032589	0.0
	50.00000	18.00000	-2.80000	0.0069439	-3.0500	-2.4597E-6	-0.027344	0.0
	52.00000	18.00000	-2.80000	0.013823	-3.0500	-1.8213E-6	-0.023080	0.0
	54.00000	18.00000	-2.80000	0.019157	-3.0500	-1.3660E-6	-0.019596	0.0
	56.00000	18.00000	-2.80000	0.023164	-3.0500	-1.0367E-6	-0.016734	0.0
	58.00000	18.00000	-2.80000	0.026054	-3.0500	0.0	-0.014371	0.0
	60.00000	18.00000	-2.80000	0.028020	-3.0500	0.0	-0.012409	0.0
	-10.00000	20.00000	-2.80000	-0.029454	-3.0500	-12.131E-6	-0.054356	1.0864E-6
	-8.00000	20.00000	-2.80000	-0.053684	-3.0500	-23.052E-6	-0.077154	1.5417E-6
	-6.00000	20.00000	-2.80000	-0.089024	-3.0500	-48.852E-6	-0.11577	2.3124E-6
	-4.00000	20.00000	-2.80000	-0.14255	-3.0500	-121.96E-6	-0.18803	3.7533E-6
	-2.00000	20.00000	-2.80000	-0.22888	-3.0500	-404.28E-6	-0.34686	6.9129E-6
	0.00000	20.00000	-2.80000	-0.38326	-3.0500	-0.0025758	-0.82810	16.407E-6
	2.00000	20.00000	-2.80000	-0.72509	-3.0500	-0.58327	-6.3033	91.070E-6
	4.00000	20.00000	-2.80000	-1.5408	-3.0500	-9.8188	-39.487	200.61E-6
	6.00000	20.00000	-2.80000	-1.5319	-3.0500	-9.3612	-34.808	134.49E-6
	8.00000	20.00000	-2.80000	-1.1460	-3.0500	-8.9921	-25.770	-24.118E-6
	10.00000	20.00000	-2.80000	-0.98899	-3.0500	-14.116	-29.607	-254.83E-6
	12.00000	20.00000	-2.80000	-0.40732	-3.0500	-0.0065041	-1.0509	20.627E-6
	14.00000	20.00000	-2.80000	-0.27985	-3.0500	-799.03E-6	-0.44403	8.8327E-6
	16.00000	20.00000	-2.80000	-0.22510	-3.0500	-0.0011100	-0.36641	7.2616E-6
	18.00000	20.00000	-2.80000	-0.19999	-3.0500	-0.0013568	-0.35803	7.0791E-6
	20.00000	20.00000	-2.80000	-0.18837	-3.0500	-0.0013873	-0.35566	7.0300E-6
	22.00000	20.00000	-2.80000	-0.18589	-3.0500	-0.0015039	-0.37399	7.3895E-6
	24.00000	20.00000	-2.80000	-0.18729	-3.0500	-0.0017677	-0.40782	8.0503E-6
	26.00000	20.00000	-2.80000	-0.18407	-3.0500	-0.0018369	-0.41578	8.2055E-6
	28.00000	20.00000	-2.80000	-0.17137	-3.0500	-0.0017522	-0.38870	7.6689E-6
	30.00000	20.00000	-2.80000	-0.14668	-3.0500	-0.0011717	-0.30188	5.9673E-6
	32.00000	20.00000	-2.80000	-0.11552	-3.0500	-337.20E-6	-0.18630	3.7057E-6
	34.00000	20.00000	-2.80000	-0.088464	-3.0500	-90.391E-6	-0.12120	2.4187E-6
	36.00000	20.00000	-2.80000	-0.067137	-3.0500	-34.456E-6	-0.088820	1.7743E-6
	38.00000	20.00000	-2.80000	-0.049701	-3.0500	-17.467E-6	-0.069829	1.3955E-6
	40.00000	20.00000	-2.80000	-0.034847	-3.0500	-10.543E-6	-0.056884	1.1371E-6
	42.00000	20.00000	-2.80000	-0.021967	-3.0500	-7.0122E-6	-0.047180	0.0
	44.00000	20.00000	-2.80000	-0.010817	-3.0500	-4.9170E-6	-0.039519	0.0
	46.00000	20.00000	-2.80000	-0.0012909	-3.0500	-3.5543E-6	-0.033312	0.0
	48.00000	20.00000	-2.80000	0.0066927	-3.0500	-2.6200E-6	-0.028220	0.0
	50.00000	20.00000	-2.80000	0.013231	-3.0500	-1.9592E-6	-0.024015	0.0
	52.00000	20.00000	-2.80000	0.018449	-3.0500	-1.4826E-6	-0.020528	0.0
	54.00000	20.00000	-2.80000	0.022487	-3.0500	-1.1338E-6	-0.017626	0.0
	56.00000	20.00000	-2.80000	0.025496	-3.0500	0.0	-0.015203	0.0
	58.00000	20.00000	-2.80000	0.027627	-3.0500	0.0	-0.013172	0.0
	60.00000	20.00000	-2.80000	0.029022	-3.0500	0.0	-0.011464	0.0
	-10.00000	22.00000	-2.80000	-0.023175	-3.0500	-10.219E-6	-0.048926	0.0
	-8.00000	22.00000	-2.80000	-0.043798	-3.0500	-18.763E-6	-0.067882	1.3565E-6
	-6.00000	22.00000	-2.80000	-0.073099	-3.0500	-37.975E-6	-0.098762	1.9730E-6
	-4.00000	22.00000	-2.80000	-0.11585	-3.0500	-88.701E-6	-0.15352	3.0650E-6
	-2.00000	22.00000	-2.80000	-0.18110	-3.0500	-262.63E-6	-0.26424	5.2691E-6
	0.00000	22.00000	-2.80000	-0.28769	-3.0500	-0.0012640	-0.54821	10.888E-6
	2.00000	22.00000	-2.80000	-0.47686	-3.0500	-0.025481	-1.7983	34.438E-6
	4.00000	22.00000	-2.80000	-0.79843	-3.0500	-0.38882	-8.9462	155.60E-6
	6.00000	22.00000	-2.80000	-0.80525	-3.0500	-0.22584	-7.1459	129.37E-6
	8.00000	22.00000	-2.80000	-0.60385	-3.0500	-0.079111	-3.1727	58.707E-6
	10.00000	22.00000	-2.80000	-0.71846	-3.0500	-12.095	-20.314	-319.43E-6
	12.00000	22.00000	-2.80000	-0.30423	-3.0500	-0.0036090	-0.68002	13.384E-6
	14.00000	22.00000	-2.80000	-0.21506	-3.0500	-390.23E-6	-0.31196	6.2158E-6
	16.00000	22.00000	-2.80000	-0.16835	-3.0500	-187.31E-6	-0.22074	4.4035E-6
	18.00000	22.00000	-2.80000	-0.14294	-3.0500	-165.78E-6	-0.18917	3.7735E-6
	20.00000	22.00000	-2.80000	-0.12888	-3.0500	-166.88E-6	-0.17747	3.5394E-6
	22.00000	22.00000	-2.80000	-0.12120	-3.0500	-179.74E-6	-0.17538	3.4968E-6
	24.00000	22.00000	-2.80000	-0.11613	-3.0500	-197.93E-6	-0.17647	3.5175E-6
	26.00000	22.00000	-2.80000	-0.11007	-3.0500	-203.28E-6	-0.17311	3.4500E-6
	28.00000	22.00000	-2.80000	-0.10052	-3.0500	-185.50E-6	-0.16032	3.1952E-6
	30.00000	22.00000	-2.80000	-0.086782	-3.0500	-136.35E-6	-0.13660	2.7238E-6
	32.00000	22.00000	-2.80000	-0.070569	-3.0500	-75.397E-6	-0.10805	2.1565E-6
	34.00000	22.00000	-2.80000	-0.054672	-3.0500	-36.816E-6	-0.084192	1.6816E-6
	36.00000	22.00000	-2.80000	-0.040493	-3.0500	-19.154E-6	-0.067231	1.3435E-6
	38.00000	22.00000	-2.80000	-0.028113	-3.0500	-11.223E-6	-0.055179	1.1029E-6
	40.00000	22.00000	-2.80000	-0.017273	-3.0500	-7.2705E-6	-0.046156	0.0
	42.00000	22.00000	-2.80000	-0.0077744	-3.0500	-5.0405E-6	-0.039056	0.0
	44.00000	22.00000	-2.80000	485.85E-6	-3.0500	-3.6448E-6	-0.033280	0.0
	46.00000	22.00000	-2.80000	0.0075625	-3.0500	-2.7052E-6	-0.028490	0.0
	48.00000	22.00000	-2.80000	0.013503	-3.0500	-2.0425E-6	-0.024478	0.0
	50.00000	22.00000	-2.80000	0.018368	-3.0500	-1.5614E-6	-0.021099	0.0
	52.00000	22.00000	-2.80000	0.022237	-3.0500	-1.2055E-6	-0.018246	0.0
	54.00000	22.00000	-2.80000	0.025207	-3.0500	0.0	-0.015832	0.0
	56.00000	22.00000	-2.80000	0.027383	-3.0500	0.0	-0.013785	0.0
	58.00000	22.00000	-2.80000	0.028872	-3.0500	0.0	-0.012045	0.0
	60.00000	22.00000	-2.80000	0.029779	-3.0500	0.0	-0.010562	0.0
	-10.00000	24.00000	-2.80000	-0.016127	-3.0500	-8.2128E-6	-0.042977	0.0
	-8.00000	24.00000	-2.80000	-0.032911	-3.0500	-14.386E-6	-0.057957	1.1583E-6
	-6.00000	24.00000	-2.80000	-0.055945	-3.0500	-27.230E-6	-0.081056	1.6195E-6
	-4.00000	24.00000	-2.80000	-0.087867	-3.0500	-57.265E-6	-0.11882	2.3729E-6

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-2.00000	24.00000	-2.80000	-0.13274	-3.0500	-139.66E-6	-0.18544	3.7005E-6
	0.00000	24.00000	-2.80000	-0.19628	-3.0500	-416.54E-6	-0.31437	6.2623E-6
	2.00000	24.00000	-2.80000	-0.28188	-3.0500	-0.0014743	-0.57654	11.442E-6
	4.00000	24.00000	-2.80000	-0.36895	-3.0500	-0.0048218	-1.0043	19.796E-6
	6.00000	24.00000	-2.80000	-0.38599	-3.0500	-0.0046104	-1.0275	20.273E-6
	8.00000	24.00000	-2.80000	-0.33553	-3.0500	-0.0022155	-0.73347	14.536E-6
	10.00000	24.00000	-2.80000	-0.27166	-3.0500	-0.0021909	-0.55679	11.004E-6
	12.00000	24.00000	-2.80000	-0.20574	-3.0500	-626.02E-6	-0.33271	6.6166E-6
	14.00000	24.00000	-2.80000	-0.15547	-3.0500	-173.90E-6	-0.20979	4.1854E-6
	16.00000	24.00000	-2.80000	-0.12258	-3.0500	-82.743E-6	-0.15548	3.1045E-6
	18.00000	24.00000	-2.80000	-0.10168	-3.0500	-59.398E-6	-0.12998	2.5961E-6
	20.00000	24.00000	-2.80000	-0.088350	-3.0500	-53.380E-6	-0.11751	2.3471E-6
	22.00000	24.00000	-2.80000	-0.079524	-3.0500	-53.206E-6	-0.11124	2.2217E-6
	24.00000	24.00000	-2.80000	-0.072855	-3.0500	-54.506E-6	-0.10722	2.1411E-6
	26.00000	24.00000	-2.80000	-0.066427	-3.0500	-53.733E-6	-0.10244	2.0456E-6
	28.00000	24.00000	-2.80000	-0.058936	-3.0500	-48.525E-6	-0.095005	1.8972E-6
	30.00000	24.00000	-2.80000	-0.049952	-3.0500	-38.540E-6	-0.084584	1.6894E-6
	32.00000	24.00000	-2.80000	-0.039937	-3.0500	-26.699E-6	-0.072638	1.4512E-6
	34.00000	24.00000	-2.80000	-0.029792	-3.0500	-17.057E-6	-0.061314	1.2253E-6
	36.00000	24.00000	-2.80000	-0.020203	-3.0500	-10.855E-6	-0.051766	1.0347E-6
	38.00000	24.00000	-2.80000	-0.011460	-3.0500	-7.1951E-6	-0.044031	0.0
	40.00000	24.00000	-2.80000	-0.0036241	-3.0500	-5.0103E-6	-0.037743	0.0
	42.00000	24.00000	-2.80000	0.0033139	-3.0500	-3.6344E-6	-0.032541	0.0
	44.00000	24.00000	-2.80000	0.0093701	-3.0500	-2.7144E-6	-0.028169	0.0
	46.00000	24.00000	-2.80000	0.014560	-3.0500	-2.0679E-6	-0.024455	0.0
	48.00000	24.00000	-2.80000	0.018908	-3.0500	-1.5973E-6	-0.021280	0.0
	50.00000	24.00000	-2.80000	0.022450	-3.0500	-1.2463E-6	-0.018558	0.0
	52.00000	24.00000	-2.80000	0.025240	-3.0500	0.0	-0.016221	0.0
	54.00000	24.00000	-2.80000	0.027343	-3.0500	0.0	-0.014212	0.0
	56.00000	24.00000	-2.80000	0.028834	-3.0500	0.0	-0.012484	0.0
	58.00000	24.00000	-2.80000	0.029791	-3.0500	0.0	-0.010996	0.0
	60.00000	24.00000	-2.80000	0.030291	-3.0500	0.0	-0.0097129	0.0
	-10.00000	26.00000	-2.80000	-0.0089357	-3.0500	-6.3477E-6	-0.037045	0.0
	-8.00000	26.00000	-2.80000	-0.022063	-3.0500	-10.516E-6	-0.048406	0.0
	-6.00000	26.00000	-2.80000	-0.039394	-3.0500	-18.396E-6	-0.064835	1.2956E-6
	-4.00000	26.00000	-2.80000	-0.062075	-3.0500	-34.322E-6	-0.089289	1.7837E-6
	-2.00000	26.00000	-2.80000	-0.091299	-3.0500	-68.740E-6	-0.12657	2.5272E-6
	0.00000	26.00000	-2.80000	-0.12745	-3.0500	-145.58E-6	-0.18319	3.6551E-6
	2.00000	26.00000	-2.80000	-0.16743	-3.0500	-301.77E-6	-0.26145	5.2109E-6
	4.00000	26.00000	-2.80000	-0.20007	-3.0500	-504.57E-6	-0.33711	6.7120E-6
	6.00000	26.00000	-2.80000	-0.20951	-3.0500	-525.91E-6	-0.35265	7.0215E-6
	8.00000	26.00000	-2.80000	-0.19430	-3.0500	-385.99E-6	-0.30792	6.1352E-6
	10.00000	26.00000	-2.80000	-0.16615	-3.0500	-263.22E-6	-0.24701	4.9243E-6
	12.00000	26.00000	-2.80000	-0.13469	-3.0500	-147.64E-6	-0.18690	3.7292E-6
	14.00000	26.00000	-2.80000	-0.10679	-3.0500	-74.722E-6	-0.14122	2.8199E-6
	16.00000	26.00000	-2.80000	-0.085237	-3.0500	-42.928E-6	-0.11253	2.2481E-6
	18.00000	26.00000	-2.80000	-0.069593	-3.0500	-30.143E-6	-0.095574	1.9097E-6
	20.00000	26.00000	-2.80000	-0.058410	-3.0500	-25.082E-6	-0.085549	1.7095E-6
	22.00000	26.00000	-2.80000	-0.050214	-3.0500	-23.162E-6	-0.079311	1.5848E-6
	24.00000	26.00000	-2.80000	-0.043704	-3.0500	-22.266E-6	-0.074762	1.4939E-6
	26.00000	26.00000	-2.80000	-0.037810	-3.0500	-21.124E-6	-0.070429	1.4073E-6
	28.00000	26.00000	-2.80000	-0.031793	-3.0500	-19.019E-6	-0.065419	1.3072E-6
	30.00000	26.00000	-2.80000	-0.025332	-3.0500	-15.875E-6	-0.059494	1.1889E-6
	32.00000	26.00000	-2.80000	-0.018503	-3.0500	-12.270E-6	-0.053015	1.0596E-6
	34.00000	26.00000	-2.80000	-0.011609	-3.0500	-8.9928E-6	-0.046606	0.0
	36.00000	26.00000	-2.80000	-0.0049646	-3.0500	-6.4729E-6	-0.040740	0.0
	38.00000	26.00000	-2.80000	0.0012231	-3.0500	-4.6997E-6	-0.035593	0.0
	40.00000	26.00000	-2.80000	0.0068470	-3.0500	-3.4829E-6	-0.031144	0.0
	42.00000	26.00000	-2.80000	0.011858	-3.0500	-2.6373E-6	-0.027302	0.0
	44.00000	26.00000	-2.80000	0.016237	-3.0500	-2.0330E-6	-0.023972	0.0
	46.00000	26.00000	-2.80000	0.019977	-3.0500	-1.5885E-6	-0.021076	0.0
	48.00000	26.00000	-2.80000	0.023088	-3.0500	-1.2538E-6	-0.018552	0.0
	50.00000	26.00000	-2.80000	0.025593	-3.0500	0.0	-0.016351	0.0
	52.00000	26.00000	-2.80000	0.027528	-3.0500	0.0	-0.014432	0.0
	54.00000	26.00000	-2.80000	0.028937	-3.0500	0.0	-0.012758	0.0
	56.00000	26.00000	-2.80000	0.029875	-3.0500	0.0	-0.011300	0.0
	58.00000	26.00000	-2.80000	0.030399	-3.0500	0.0	-0.010028	0.0
	60.00000	26.00000	-2.80000	0.030567	-3.0500	0.0	-0.0089196	0.0
	-10.00000	28.00000	-2.80000	-0.0021096	-3.0500	-4.7675E-6	-0.031524	0.0
	-8.00000	28.00000	-2.80000	-0.012037	-3.0500	-7.4488E-6	-0.039904	0.0
	-6.00000	28.00000	-2.80000	-0.024651	-3.0500	-12.030E-6	-0.051248	1.0242E-6
	-4.00000	28.00000	-2.80000	-0.040289	-3.0500	-20.059E-6	-0.066674	1.3323E-6
	-2.00000	28.00000	-2.80000	-0.058967	-3.0500	-34.191E-6	-0.087383	1.7456E-6
	0.00000	28.00000	-2.80000	-0.079825	-3.0500	-57.862E-6	-0.11377	2.2720E-6
	2.00000	28.00000	-2.80000	-0.10025	-3.0500	-91.355E-6	-0.14308	2.8562E-6
	4.00000	28.00000	-2.80000	-0.11547	-3.0500	-122.30E-6	-0.16662	3.3250E-6
	6.00000	28.00000	-2.80000	-0.12072	-3.0500	-128.65E-6	-0.17359	3.4642E-6
	8.00000	28.00000	-2.80000	-0.11515	-3.0500	-109.47E-6	-0.16269	3.2473E-6
	10.00000	28.00000	-2.80000	-0.10203	-3.0500	-81.666E-6	-0.14176	2.8302E-6
	12.00000	28.00000	-2.80000	-0.085671	-3.0500	-55.161E-6	-0.11852	2.3672E-6
	14.00000	28.00000	-2.80000	-0.069527	-3.0500	-35.442E-6	-0.098203	1.9619E-6
	16.00000	28.00000	-2.80000	-0.055558	-3.0500	-23.599E-6	-0.082908	1.6567E-6
	18.00000	28.00000	-2.80000	-0.044308	-3.0500	-17.274E-6	-0.072261	1.4442E-6
	20.00000	28.00000	-2.80000	-0.035511	-3.0500	-14.048E-6	-0.065006	1.2993E-6
	22.00000	28.00000	-2.80000	-0.028585	-3.0500	-12.381E-6	-0.059898	1.1972E-6
	24.00000	28.00000	-2.80000	-0.022883	-3.0500	-11.373E-6	-0.055932	1.1180E-6
	26.00000	28.00000	-2.80000	-0.017822	-3.0500	-10.478E-6	-0.052360	1.0466E-6
	28.00000	28.00000	-2.80000	-0.012975	-3.0500	-9.4027E-6	-0.048713	0.0
	30.00000	28.00000	-2.80000	-0.0081129	-3.0500	-8.0798E-6	-0.044809	0.0
	32.00000	28.00000	-2.80000	-0.0031999	-3.0500	-6.6306E-6	-0.040716	0.0
	34.00000	28.00000	-2.80000	0.0016699	-3.0500	-5.2503E-6	-0.036630	0.0
	36.00000	28.00000	-2.80000	0.0063597	-3.0500	-4.0794E-6	-0.032743	0.0
	38.00000	28.00000	-2.80000	0.010749	-3.0500	-3.1582E-6	-0.029171	0.0
	40.00000	28.00000	-2.80000	0.014755	-3.0500	-2.4593E-6	-0.025951	0.0
	42.00000	28.00000	-2.80000	0.018325	-3.0500	-1.9332E-6	-0.023075	0.0
	44.00000	28.00000	-2.80000	0.021431	-3.0500	-1.5342E-6	-0.020515	0.0
	46.00000	28.00000	-2.80000	0.024062	-3.0500	-1.2275E-6	-0.018242	0.0
	48.00000	28.00000	-2.80000	0.026220	-3.0500	0.0	-0.016224	0.0
	50.00000	28.00000	-2.80000	0.027918	-3.0500	0.0	-0.014437	0.0
	52.00000	28.00000	-2.80000	0.029182	-3.0500	0.0	-0.012857	0.0
	54.00000	28.00000	-2.80000	0.030044	-3.0500	0.0	-0.011460	0.0
	56.00000	28.00000	-2.80000	0.030543	-3.0500	0.0	-0.010228	0.0
	58.00000	28.00000	-2.80000	0.030722	-3.0500	0.0	-0.0091417	0.0
	60.00000	28.00000	-2.80000	0.030624	-3.0500	0.0	-0.0081841	0.0
	-10.00000	30.00000	-2.80000	0.0040102	-3.0500	-3.5173E-6	-0.026636	0.0
	-8.00000	30.00000	-2.80000	-0.0032850	-3.0500	-5.1931E-6	-0.032725	0.0
	-6.00000	30.00000	-2.80000	-0.012241	-3.0500	-7.7957E-6	-0.040478	0.0
	-4.00000	30.00000	-2.80000	-0.022845	-3.0500	-11.821E-6	-0.050225	1.0038E-6
	-2.00000	30.00000	-2.80000	-0.034779	-3.0500	-17.849E-6	-0.062069	1.2403E-6
	0.00000	30.00000	-2.80000	-0.047189	-3.0500	-26.143E-6	-0.075468	1.5078E-6
	2.00000	30.00000	-2.80000	-0.058494	-3.0500	-35.673E-6	-0.088647	1.7708E-6
	4.00000	30.00000	-2.80000	-0.066567	-3.0500	-43.271E-6	-0.098511	1.9676E-6
	6.00000	30.00000	-2.80000	-0.069608	-3.0500	-45.270E-6	-0.10211	2.0396E-6
	8.00000	30.00000	-2.80000	-0.067218	-3.0500	-41.150E-6	-0.098879	1.9751E-6
	10.00000	30.00000	-2.80000	-0.060532	-3.0500	-33.566E-6	-0.090785	1.8137E-6
	12.00000	30.00000	-2.80000	-0.051426	-3.0500	-25.405E-6	-0.080630	1.6111E-6
	14.00000	30.00000	-2.80000	-0.041677	-3.0500	-18.532E-6	-0.070701	1.4129E-6
	16.00000	30.00000	-2.80000	-0.032515	-3.0500	-13.634E-6	-0.062268	1.2445E-6
	18.00000	30.00000	-2.80000	-0.024533	-3.0500	-10.498E-6	-0.055654	1.1125E-6
	20.00000	30.00000	-2.80000	-0.017843	-3.0500	-8.5948E-6	-0.050626	1.0120E-6
	22.00000	30.00000	-2.80000	-0.012281	-3.0500	-7.4334E-6	-0.046747	0.0
	24.00000	30.00000	-2.80000	-0.0075617	-3.0500	-6.6539E-6	-0.043573	0.0
	26.00000	30.00000	-2.80000	-0.0033875	-3.0500	-6.0162E-6	-0.040736	0.0
	28.00000	30.00000	-2.80000	484.38E-6	-3.0500	-5.3817E-6	-0.037984	0.0
	30.00000	30.00000	-2.80000	0.0042051	-3.0500	-4.7014E-6	-0.035194	0.0
	32.00000	30.00000	-2.80000	0.0078298	-3.0500	-3.9942E-6	-0.032357	0.0
	34.00000	30.00000	-2.80000	0.011340	-3.0500	-3.3122E-6	-0.029534	0.0
	36.00000	30.00000	-2.80000	0.014681	-3.0500	-2.7025E-6	-0.026802	0.0
	38.00000	30.00000	-2.80000	0.017788	-3.0500	-2.1884E-6	-0.024224	0.0
	40.00000	30.00000	-2.80000	0.020608	-3.0500	-1.7701E-6	-0.021836	0.0
	42.00000	30.00000	-2.80000	0.023104	-3.0500	-1.4354E-6	-0.019648	0.0
	44.00000	30.00000	-2.80000	0.025251	-3.0500	-1.1685E-6	-0.017659	0.0
	46.00000	30.00000	-2.80000	0.027039	-3.0500	0.0	-0.015859	0.0
	48.00000	30.00000	-2.80000	0.028466	-3.0500	0.0	-0.014237	0.0
	50.00000	30.00000	-2.80000	0.029543	-3.0500	0.0	-0.012779	0.0
	52.00000	30.00000	-2.80000	0.030287	-3.0500	0.0	-0.011473	0.0
	54.00000	30.00000	-2.80000	0.030723	-3.0500	0.0	-0.010304	0.0
	56.00000	30.00000	-2.80000	0.030879	-3.0500	0.0	-0.0092619	0.0
	58.00000	30.00000	-2.80000	0.030788	-3.0500	0.0	-0.0083330	0.0
	60.00000	30.00000	-2.80000	0.030482	-3.0500	0.0	-0.0075060	0.0
Law Bdg Infill	2.00000	6.00000	-1.50000	-0.41480	-1.7250	0.0	0.0	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	3.06667	6.00000	-1.50000	-0.51857	-1.7250	0.0	0.0	0.0
	4.13333	6.00000	-1.50000	-0.60874	-1.7250	0.0	0.0	0.0
	5.20000	6.00000	-1.50000	-0.64925	-1.7250	0.0	0.0	0.0
	6.26667	6.00000	-1.50000	-0.62616	-1.7250	0.0	0.0	0.0
	7.33333	6.00000	-1.50000	-0.57966	-1.7250	0.0	0.0	0.0
	8.40000	6.00000	-1.50000	-0.52735	-1.7250	0.0	0.0	0.0
	9.46667	6.00000	-1.50000	-0.46867	-1.7250	0.0	0.0	0.0
	10.53333	6.00000	-1.50000	-0.40131	-1.7250	0.0	0.0	0.0
	11.60000	6.00000	-1.50000	-0.34210	-1.7250	0.0	0.0	0.0
	12.66667	6.00000	-1.50000	-0.30070	-1.7250	0.0	0.0	0.0
	13.73333	6.00000	-1.50000	-0.27480	-1.7250	0.0	0.0	0.0
	14.80000	6.00000	-1.50000	-0.26138	-1.7250	0.0	0.0	0.0
	15.86667	6.00000	-1.50000	-0.25822	-1.7250	0.0	0.0	0.0
	16.93333	6.00000	-1.50000	-0.26400	-1.7250	0.0	0.0	0.0
	18.00000	6.00000	-1.50000	-0.27823	-1.7250	0.0	0.0	0.0
16 Chenies Wst	2.00000	22.00000	-2.80000	-0.47686	-3.0500	-0.025481	-1.7983	34.438E-6
	3.13333	22.00000	-2.80000	-0.63756	-3.0500	-0.092987	-3.9311	73.044E-6
	4.26667	22.00000	-2.80000	-0.86739	-3.0500	-1.1428	-14.251	216.45E-6
	5.40000	22.00000	-2.80000	-0.93528	-3.0500	-2.3026	-19.302	247.88E-6
	6.53333	22.00000	-2.80000	-0.73483	-3.0500	-0.10884	-4.7379	88.227E-6
	7.66667	22.00000	-2.80000	-0.62908	-3.0500	-0.079957	-3.3211	61.625E-6
	8.80000	22.00000	-2.80000	-0.55074	-3.0500	-0.093068	-3.1666	57.749E-6
	9.93333	22.00000	-2.80000	-0.71268	-3.0500	-11.553	-19.751	-298.15E-6
	11.06667	22.00000	-2.80000	-0.37418	-3.0500	-0.039557	-1.5665	28.957E-6
	12.20000	22.00000	-2.80000	-0.29234	-3.0500	-0.0025747	-0.60602	11.966E-6
	13.33333	22.00000	-2.80000	-0.23848	-3.0500	-655.24E-6	-0.37718	7.5043E-6
	14.46667	22.00000	-2.80000	-0.20141	-3.0500	-298.14E-6	-0.28044	5.5909E-6
	15.60000	22.00000	-2.80000	-0.17553	-3.0500	-201.24E-6	-0.23183	4.6245E-6
	16.73333	22.00000	-2.80000	-0.15725	-3.0500	-173.56E-6	-0.20549	4.0994E-6
	17.86667	22.00000	-2.80000	-0.14421	-3.0500	-166.13E-6	-0.19046	3.7993E-6
	19.00000	22.00000	-2.80000	-0.13487	-3.0500	-164.99E-6	-0.18175	3.6250E-6
	20.13333	22.00000	-2.80000	-0.12821	-3.0500	-167.34E-6	-0.17709	3.5319E-6
	21.26667	22.00000	-2.80000	-0.12352	-3.0500	-173.59E-6	-0.17538	3.4972E-6
	22.40000	22.00000	-2.80000	-0.12010	-3.0500	-183.55E-6	-0.17560	3.5009E-6
	23.53333	22.00000	-2.80000	-0.11728	-3.0500	-194.27E-6	-0.17636	3.5155E-6
	24.66667	22.00000	-2.80000	-0.11438	-3.0500	-201.77E-6	-0.17616	3.5111E-6
	25.80000	22.00000	-2.80000	-0.11080	-3.0500	-203.64E-6	-0.17381	3.4643E-6
	26.93333	22.00000	-2.80000	-0.10614	-3.0500	-198.45E-6	-0.16851	3.3583E-6
	28.06667	22.00000	-2.80000	-0.10012	-3.0500	-184.39E-6	-0.15970	3.1829E-6
	29.20000	22.00000	-2.80000	-0.092724	-3.0500	-159.63E-6	-0.14723	2.9350E-6
	30.33333	22.00000	-2.80000	-0.084173	-3.0500	-125.81E-6	-0.13188	2.6300E-6
	31.46667	22.00000	-2.80000	-0.074965	-3.0500	-90.278E-6	-0.11550	2.3046E-6
	32.60000	22.00000	-2.80000	-0.065666	-3.0500	-60.940E-6	-0.10014	1.9992E-6
	33.73333	22.00000	-2.80000	-0.056704	-3.0500	-40.470E-6	-0.086950	1.7366E-6
	34.86666	22.00000	-2.80000	-0.048295	-3.0500	-27.359E-6	-0.076089	1.5201E-6
	36.00000	22.00000	-2.80000	-0.040493	-3.0500	-19.154E-6	-0.067231	1.3435E-6
	37.13334	22.00000	-2.80000	-0.033273	-3.0500	-13.949E-6	-0.059938	1.1979E-6
	38.26667	22.00000	-2.80000	-0.026584	-3.0500	-10.538E-6	-0.053832	1.0760E-6
	39.40000	22.00000	-2.80000	-0.020377	-3.0500	-8.2113E-6	-0.048623	0.0
	40.53333	22.00000	-2.80000	-0.014614	-3.0500	-6.5584E-6	-0.044106	0.0
	41.66667	22.00000	-2.80000	-0.0092695	-3.0500	-5.3392E-6	-0.040136	0.0
	42.80000	22.00000	-2.80000	-0.0043253	-3.0500	-4.4100E-6	-0.036610	0.0
	43.93333	22.00000	-2.80000	229.83E-6	-3.0500	-3.6826E-6	-0.033455	0.0
	45.06667	22.00000	-2.80000	0.0044045	-3.0500	-3.1011E-6	-0.030618	0.0
	46.20000	22.00000	-2.80000	0.0082068	-3.0500	-2.6285E-6	-0.028056	0.0
	47.33333	22.00000	-2.80000	0.011646	-3.0500	-2.2396E-6	-0.025738	0.0
	48.46667	22.00000	-2.80000	0.014732	-3.0500	-1.9165E-6	-0.023637	0.0
	49.60000	22.00000	-2.80000	0.017477	-3.0500	-1.6461E-6	-0.021730	0.0
	50.73333	22.00000	-2.80000	0.019897	-3.0500	-1.4185E-6	-0.019997	0.0
	51.86666	22.00000	-2.80000	0.022009	-3.0500	-1.2261E-6	-0.018422	0.0
	53.00000	22.00000	-2.80000	0.023828	-3.0500	-1.0627E-6	-0.016989	0.0
16 Chenies Sth	2.00000	21.90000	-2.80000	-0.48931	-3.0500	-0.034077	-1.9587	37.129E-6
	2.00000	20.84667	-2.80000	-0.63274	-3.0500	-0.53595	-5.2996	73.835E-6
	2.00000	19.79333	-2.80000	-0.74393	-3.0500	-0.58501	-6.4199	93.298E-6
	2.00000	18.74000	-2.80000	-0.82180	-3.0500	-0.58806	-6.7701	100.12E-6
	2.00000	17.68667	-2.80000	-0.87514	-3.0500	-0.58874	-6.9337	103.35E-6
	2.00000	16.63333	-2.80000	-0.91003	-3.0500	-0.58897	-7.0190	105.04E-6
	2.00000	15.58000	-2.80000	-0.93049	-3.0500	-0.58905	-7.0623	105.90E-6
	2.00000	14.52667	-2.80000	-0.93876	-3.0500	-0.58908	-7.0784	106.22E-6
	2.00000	13.47333	-2.80000	-0.93571	-3.0500	-0.58907	-7.0717	106.09E-6
	2.00000	12.42000	-2.80000	-0.92092	-3.0500	-0.58901	-7.0403	105.47E-6
	2.00000	11.36667	-2.80000	-0.89371	-3.0500	-0.58885	-6.9745	104.16E-6
	2.00000	10.31333	-2.80000	-0.84791	-3.0500	-0.58846	-6.8512	101.72E-6
	2.00000	9.26000	-2.80000	-0.78196	-3.0500	-0.58734	-6.6200	97.159E-6
	2.00000	8.20667	-2.80000	-0.68989	-3.0500	-0.58294	-6.1546	88.115E-6
	2.00000	7.15333	-2.80000	-0.56729	-3.0500	-0.50922	-4.7720	64.886E-6
	2.00000	6.10000	-2.80000	-0.42599	-3.0500	-0.023563	-1.5324	29.234E-6
16 Chenies Est	2.00000	6.00000	-2.80000	-0.41451	-3.0500	-0.017778	-1.4016	26.966E-6
	3.13333	6.00000	-2.80000	-0.52420	-3.0500	-0.051693	-2.5314	47.526E-6
	4.26667	6.00000	-2.80000	-0.61654	-3.0500	-0.072428	-3.5417	66.489E-6
	5.40000	6.00000	-2.80000	-0.64767	-3.0500	-0.075695	-3.7300	70.057E-6
	6.53333	6.00000	-2.80000	-0.61473	-3.0500	-0.058492	-3.0381	57.253E-6
	7.66667	6.00000	-2.80000	-0.56508	-3.0500	-0.053464	-2.5973	48.739E-6
	8.80000	6.00000	-2.80000	-0.50571	-3.0500	-0.051258	-2.2826	42.577E-6
	9.93333	6.00000	-2.80000	-0.43929	-3.0500	-0.035603	-1.7162	32.187E-6
	11.06667	6.00000	-2.80000	-0.36939	-3.0500	-0.0069468	-0.89344	17.452E-6
	12.20000	6.00000	-2.80000	-0.31664	-3.0500	-0.0014176	-0.52246	10.364E-6
	13.33333	6.00000	-2.80000	-0.28286	-3.0500	-491.68E-6	-0.37266	7.4237E-6
	14.46667	6.00000	-2.80000	-0.26435	-3.0500	-255.36E-6	-0.30487	6.0821E-6
	15.60000	6.00000	-2.80000	-0.25811	-3.0500	-184.80E-6	-0.27589	5.5066E-6
	16.73333	6.00000	-2.80000	-0.26224	-3.0500	-169.14E-6	-0.26949	5.3796E-6
	17.86667	6.00000	-2.80000	-0.27596	-3.0500	-177.78E-6	-0.27949	5.5791E-6
	19.00000	6.00000	-2.80000	-0.29948	-3.0500	-207.56E-6	-0.30542	6.0959E-6
	20.13333	6.00000	-2.80000	-0.33413	-3.0500	-277.61E-6	-0.35208	7.0249E-6
	21.26667	6.00000	-2.80000	-0.38251	-3.0500	-466.62E-6	-0.43289	8.6298E-6
	22.40000	6.00000	-2.80000	-0.44901	-3.0500	-0.0011656	-0.58381	11.606E-6
	23.53333	6.00000	-2.80000	-0.54005	-3.0500	-0.0048699	-0.90665	17.841E-6
	24.66667	6.00000	-2.80000	-0.66016	-3.0500	-0.015553	-1.4847	28.760E-6
	25.80000	6.00000	-2.80000	-0.80908	-3.0500	-0.021708	-2.1178	41.053E-6
	26.93333	6.00000	-2.80000	-0.99879	-3.0500	-0.034221	-3.2032	62.011E-6
	28.06667	6.00000	-2.80000	-1.2452	-3.0500	-0.15923	-6.4006	118.46E-6
	29.20000	6.00000	-2.80000	-1.4814	-3.0500	-0.34336	-10.199	183.39E-6
	30.33333	6.00000	-2.80000	-1.6116	-3.0500	-0.35447	-11.033	199.40E-6
	31.46667	6.00000	-2.80000	-1.6510	-3.0500	-0.34859	-10.861	196.30E-6
	32.60000	6.00000	-2.80000	-1.6224	-3.0500	-0.33864	-10.051	180.70E-6
	33.73333	6.00000	-2.80000	-1.5327	-3.0500	-0.24199	-7.2483	130.45E-6
	34.86666	6.00000	-2.80000	-1.2106	-3.0500	-0.031505	-2.9662	57.434E-6
	36.00000	6.00000	-2.80000	-0.92038	-3.0500	-0.0052936	-1.4339	28.360E-6
	37.13334	6.00000	-2.80000	-0.73396	-3.0500	-0.0016157	-0.85072	16.918E-6
	38.26667	6.00000	-2.80000	-0.63823	-3.0500	-669.24E-6	-0.56334	11.227E-6
	39.40000	6.00000	-2.80000	-0.59875	-3.0500	-330.50E-6	-0.39885	7.9572E-6
	40.53333	6.00000	-2.80000	-0.40442	-3.0500	-182.79E-6	-0.29546	5.8983E-6
	41.66667	6.00000	-2.80000	-0.31340	-3.0500	-109.41E-6	-0.22621	4.5176E-6
	42.80000	6.00000	-2.80000	-0.24764	-3.0500	-69.408E-6	-0.17762	3.5481E-6
	43.93333	6.00000	-2.80000	-0.19707	-3.0500	-46.052E-6	-0.14230	2.8432E-6
	45.06667	6.00000	-2.80000	-0.15690	-3.0500	-31.666E-6	-0.11591	2.3163E-6
	46.20000	6.00000	-2.80000	-0.12434	-3.0500	-22.418E-6	-0.095740	1.9135E-6
	47.33333	6.00000	-2.80000	-0.097590	-3.0500	-16.263E-6	-0.080030	1.5996E-6
	48.46667	6.00000	-2.80000	-0.075432	-3.0500	-12.045E-6	-0.067597	1.3512E-6
	49.60000	6.00000	-2.80000	-0.056971	-3.0500	-9.0829E-6	-0.057622	1.1519E-6
	50.73333	6.00000	-2.80000	-0.041538	-3.0500	-6.9574E-6	-0.049522	0.0
	51.86666	6.00000	-2.80000	-0.028612	-3.0500	-5.4038E-6	-0.042875	0.0
	53.00000	6.00000	-2.80000	-0.017782	-3.0500	-4.2495E-6	-0.037367	0.0
16 Chenies Nth	53.00000	21.90000	-2.80000	0.023684	-3.0500	-1.0733E-6	-0.017085	0.0
	53.00000	20.84667	-2.80000	0.022056	-3.0500	-1.1911E-6	-0.018129	0.0
	53.00000	19.79333	-2.80000	0.020232	-3.0500	-1.3215E-6	-0.019233	0.0
	53.00000	18.74000	-2.80000	0.018210	-3.0500	-1.4653E-6	-0.020397	0.0
	53.00000	17.68667	-2.80000	0.015988	-3.0500	-1.6235E-6	-0.021622	0.0
	53.00000	16.63333	-2.80000	0.013567	-3.0500	-1.7967E-6	-0.022905	0.0
	53.00000	15.58000	-2.80000	0.010954	-3.0500	-1.9856E-6	-0.024244	0.0
	53.00000	14.52667	-2.80000	0.0081602	-3.0500	-2.1903E-6	-0.025633	0.0
	53.00000	13.47333	-2.80000	0.0052006	-3.0500	-2.4105E-6	-0.027067	0.0
	53.00000	12.42000	-2.80000	0.0020977	-3.0500	-2.6455E-6	-0.028536	0.0
	53.00000	11.36667	-2.80000	-0.0011201	-3.0500	-2.8938E-6	-0.030027	0.0
	53.00000	10.31333	-2.80000	-0.0044177	-3.0500	-3.1531E-6	-0.031528	0.0
	53.00000	9.26000	-2.80000	-0.0077537	-3.0500	-3.4202E-6	-0.033021	0.0
	53.00000	8.20667	-2.80000	-0.011080	-3.0500	-3.6912E-6	-0.034486	0.0
	53.00000	7.15333	-2.80000	-0.014345	-3.0500	-3.9613E-6	-0.035901	0.0
	53.00000	6.10000	-2.80000	-0.017492	-3.0500	-4.2250E-6	-0.037244	0.0
18 Chenies Retained Wall	39.00000	-13.60000	-3.50000	-0.48802	-3.6500	-5.4039	-13.782	-32.392E-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 [-]
	39.00000	-12.62000	-3.50000	-0.65165	-3.6500	-10.799	-26.422	-79.660E-6
	39.00000	-11.64000	-3.50000	-0.72996	-3.6500	-10.806	-26.889	-73.721E-6
	39.00000	-10.66000	-3.50000	-0.79645	-3.6500	-10.810	-27.174	-70.097E-6
	39.00000	-9.68000	-3.50000	-0.85509	-3.6500	-10.814	-27.416	-67.028E-6
	39.00000	-8.70000	-3.50000	-0.90624	-3.6500	-10.817	-27.622	-64.394E-6
	39.00000	-7.72000	-3.50000	-0.94981	-3.6500	-10.820	-27.794	-62.194E-6
	39.00000	-6.74000	-3.50000	-0.98586	-3.6500	-10.821	-27.934	-60.409E-6
	39.00000	-5.76000	-3.50000	-1.0146	-3.6500	-10.823	-28.043	-59.005E-6
	39.00000	-4.78000	-3.50000	-1.0361	-3.6500	-10.824	-28.124	-57.951E-6
	39.00000	-3.80000	-3.50000	-1.0505	-3.6500	-10.824	-28.180	-57.230E-6
	39.00000	-2.82000	-3.50000	-1.0577	-3.6500	-10.824	-28.210	-56.845E-6
	39.00000	-1.84000	-3.50000	-1.0573	-3.6500	-10.824	-28.212	-56.810E-6
	39.00000	-0.86000	-3.50000	-1.0490	-3.6500	-10.824	-28.186	-57.153E-6
	39.00000	0.12000	-3.50000	-1.0323	-3.6500	-10.823	-28.127	-57.909E-6
	39.00000	1.10000	-3.50000	-1.0066	-3.6500	-10.822	-28.032	-59.129E-6
	39.00000	2.08000	-3.50000	-0.97137	-3.6500	-10.820	-27.896	-60.867E-6
	39.00000	3.06000	-3.50000	-0.92600	-3.6500	-10.818	-27.714	-63.182E-6
	39.00000	4.04000	-3.50000	-0.86986	-3.6500	-10.814	-27.479	-66.177E-6
	39.00000	5.02000	-3.50000	-0.80075	-3.6500	-10.809	-27.140	-70.501E-6
	39.00000	6.00000	-3.50000	-0.70457	-3.6500	-10.727	-25.554	-88.378E-6
Law Bdg Nth	21.60000	4.00000	-2.80000	-0.41321	-3.0500	-350.74E-6	-0.44317	8.8424E-6
	21.60000	2.95000	-2.80000	-0.42000	-3.0500	-326.84E-6	-0.44381	8.8566E-6
	21.60000	1.90000	-2.80000	-0.42461	-3.0500	-319.90E-6	-0.44540	8.8887E-6
	21.60000	0.85000	-2.80000	-0.42584	-3.0500	-315.08E-6	-0.44412	8.8635E-6
	21.60000	-0.20000	-2.80000	-0.42294	-3.0500	-306.06E-6	-0.43793	8.7402E-6
	21.60000	-1.25000	-2.80000	-0.41563	-3.0500	-290.63E-6	-0.42608	8.5042E-6
	21.60000	-2.30000	-2.80000	-0.40407	-3.0500	-269.00E-6	-0.40887	8.1613E-6
	21.60000	-3.35000	-2.80000	-0.38874	-3.0500	-243.10E-6	-0.38738	7.7330E-6
	21.60000	-4.40000	-2.80000	-0.37030	-3.0500	-215.75E-6	-0.36308	7.2486E-6
	21.60000	-5.45000	-2.80000	-0.34949	-3.0500	-189.49E-6	-0.33741	6.7368E-6
	21.60000	-6.50000	-2.80000	-0.32694	-3.0500	-165.74E-6	-0.31141	6.2182E-6
	21.60000	-7.55000	-2.80000	-0.30315	-3.0500	-144.71E-6	-0.28564	5.7041E-6
	21.60000	-8.60000	-2.80000	-0.27853	-3.0500	-125.91E-6	-0.26032	5.1989E-6
	21.60000	-9.65000	-2.80000	-0.25342	-3.0500	-108.69E-6	-0.23554	4.7043E-6
	21.60000	-10.70000	-2.80000	-0.22818	-3.0500	-92.632E-6	-0.21143	4.2231E-6
	21.60000	-11.75000	-2.80000	-0.20319	-3.0500	-77.665E-6	-0.18824	3.7600E-6
	21.60000	-12.80000	-2.80000	-0.17886	-3.0500	-63.963E-6	-0.16628	3.3217E-6
	21.60000	-13.85000	-2.80000	-0.15555	-3.0500	-51.789E-6	-0.14590	2.9149E-6
	21.60000	-14.90000	-2.80000	-0.13359	-3.0500	-41.333E-6	-0.12737	2.5449E-6
	21.60000	-15.95000	-2.80000	-0.11320	-3.0500	-32.637E-6	-0.11083	2.2146E-6
	21.60000	-17.00000	-2.80000	-0.094541	-3.0500	-25.598E-6	-0.096286	1.9242E-6
Law Bbg Est	21.60000	-17.10000	-2.80000	-0.092855	-3.0500	-25.007E-6	-0.095003	1.8986E-6
	20.52000	-17.10000	-2.80000	-0.077282	-3.0500	-19.173E-6	-0.083592	1.6707E-6
	19.44000	-17.10000	-2.80000	-0.063356	-3.0500	-14.913E-6	-0.073996	1.4790E-6
	18.36000	-17.10000	-2.80000	-0.050955	-3.0500	-11.763E-6	-0.065899	1.3173E-6
	17.28000	-17.10000	-2.80000	-0.039956	-3.0500	-9.4035E-6	-0.059038	1.1802E-6
	16.20000	-17.10000	-2.80000	-0.030233	-3.0500	-7.6162E-6	-0.053200	1.0635E-6
	15.12000	-17.10000	-2.80000	-0.021665	-3.0500	-6.2471E-6	-0.048209	0.0
	14.04000	-17.10000	-2.80000	-0.014138	-3.0500	-5.1875E-6	-0.043921	0.0
	12.96000	-17.10000	-2.80000	-0.0075471	-3.0500	-4.3595E-6	-0.040220	0.0
	11.88000	-17.10000	-2.80000	-0.0017914	-3.0500	-3.7065E-6	-0.037006	0.0
	10.80000	-17.10000	-2.80000	0.0032202	-3.0500	-3.1866E-6	-0.034201	0.0
	9.72000	-17.10000	-2.80000	0.0075717	-3.0500	-2.7689E-6	-0.031736	0.0
	8.64000	-17.10000	-2.80000	0.011340	-3.0500	-2.4297E-6	-0.029557	0.0
	7.56000	-17.10000	-2.80000	0.014594	-3.0500	-2.1515E-6	-0.027616	0.0
	6.48000	-17.10000	-2.80000	0.017397	-3.0500	-1.9205E-6	-0.025876	0.0
	5.40000	-17.10000	-2.80000	0.019805	-3.0500	-1.7262E-6	-0.024303	0.0
	4.32000	-17.10000	-2.80000	0.021868	-3.0500	-1.5608E-6	-0.022871	0.0
	3.24000	-17.10000	-2.80000	0.023629	-3.0500	-1.4179E-6	-0.021559	0.0
	2.16000	-17.10000	-2.80000	0.025126	-3.0500	-1.2928E-6	-0.020347	0.0
	1.08000	-17.10000	-2.80000	0.026393	-3.0500	-1.1820E-6	-0.019222	0.0
	0.00000	-17.10000	-2.80000	0.027459	-3.0500	-1.0828E-6	-0.018171	0.0


Settlement Contours : Grid 1 at -2.8000m
40.00
30.00
20.00
10.00
.0
-10.00
-20.00
Y [m]
-20.00
.0
20.00
40.00
60.00
X [m]
-4.000
-3.000
-2.000
-1.000
0
Scale x 1:594 y 1:594
Contour Interval: 1mm

Notes

Revised Loadings March 2016

Analysis Options

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: -40.00 [m OD]
Displacements at area centroids calculated.

Soil ProfilesUndrained Profile

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	0.0	6	25000.	25000.	0.50000	None
2	-3.3000	2	37500.	37500.	0.50000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	55000.	108000.	0.50000	None
5	-20.000	12	108000.	108000.	0.50000	None

Soil ProfilesDrained Profile

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	0.0	6	15000.	15000.	0.20000	None
2	-3.3000	2	22500.	22500.	0.20000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	33000.	64800.	0.20000	None
5	-20.000	12	64800.	64800.	0.20000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Zone A	-10.000	60.000	-20.000	30.000	Undrained Profile

Load Data

Load ref.	Name	Shape	Orientation of Plane	Load position: Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance	Number of rectangles	Load value: Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	UL1	Rectangular	Horizontal	6.0500	14.050	-2.8000	0.0	7.5000	14.500	N/A	N/A	1	-9.0000	0.0	0.0
2	UL2	Rectangular	Horizontal	4.9000	14.600	-2.8000	0.0	0.40000	14.500	N/A	N/A	1	-140.00	0.0	0.0
3	UL3	Rectangular	Horizontal	10.000	14.600	-2.8000	0.0	0.40000	15.300	N/A	N/A	1	-17.500	0.0	0.0
4	UL4	Rectangular	Horizontal	22.700	17.800	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
5	UL5	Rectangular	Horizontal	22.700	10.500	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
6	UL6	Rectangular	Horizontal	26.500	14.200	-2.8000	0.0	8.6000	6.8000	N/A	N/A	1	-4.5000	0.0	0.0
7	UL7	Rectangular	Horizontal	27.200	7.8000	-2.8000	0.0	6.1000	1.4000	N/A	N/A	1	-9.0000	0.0	0.0
8	UL8	Rectangular	Horizontal	18.200	14.200	-2.8000	0.0	6.1000	6.8000	N/A	N/A	1	-2.2500	0.0	0.0
9	L1	Rectangular	Horizontal	12.500	17.800	-2.8000	0.0	4.8000	0.40000	N/A	N/A	1	48.000	0.0	0.0
10	L2	Rectangular	Horizontal	12.500	10.200	-2.8000	0.0	4.8000	0.40000	N/A	N/A	1	48.000	0.0	0.0
11	L3	Rectangular	Horizontal	22.300	19.700	-2.8000	0.0	14.400	0.50000	N/A	N/A	1	85.000	0.0	0.0
12	L4	Rectangular	Horizontal	23.900	8.5000	-2.8000	0.0	15.100	0.50000	N/A	N/A	1	85.000	0.0	0.0
13	L5	Rectangular	Horizontal	16.000	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
14	L6	Rectangular	Horizontal	18.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
15	L7	Rectangular	Horizontal	22.000	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
16	L8	Rectangular	Horizontal	24.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
17	L9	Rectangular	Horizontal	27.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
18	L10	Rectangular	Horizontal	16.000	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
19	L11	Rectangular	Horizontal	18.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
20	L12	Rectangular	Horizontal	22.000	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
21	L13	Rectangular	Horizontal	24.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
22	L14	Rectangular	Horizontal	27.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
23	L15	Rectangular	Horizontal	22.700	16.950	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
24	L16	Rectangular	Horizontal	22.700	15.000	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
25	L17	Rectangular	Horizontal	22.700	13.200	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
26	L18	Rectangular	Horizontal	22.700	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
27	L19	Rectangular	Horizontal	27.100	13.200	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
28	L20	Rectangular	Horizontal	27.100	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
29	L21	Rectangular	Horizontal	30.000	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
30	18 Chenies Extn 1	Rectangular	Horizontal	31.100	1.1000	-2.8000	0.0	5.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
31	18 Chenies Extn 2	Rectangular	Horizontal	32.100	-7.2000	-2.8000	0.0	3.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
32	18 Chenies Removed Wall	Rectangular	Horizontal	34.000	-3.4000	-3.5000	0.0	0.50000	18.000	N/A	N/A	1	-74.000	0.0	0.0
33	18 Chenies Reduced wall	Rectangular	Horizontal	39.000	-3.6000	-3.5000	0.0	0.80000	20.000	N/A	N/A	1	-11.000	0.0	0.0

Displacement Data

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion: First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Grid	Grid 1	Global X	-10.000	-20.000	-2.8000	N/A	30.000	-2.8000	25	70.000	35	Yes	No
2	Line	Law Bdg Infill	N/A	2.0000	6.0000	-1.5000	18.000	6.0000	-1.5000	15	N/A	N/A	Yes	Yes
3	Line	16 Chenies Wst	N/A	2.0000	22.000	-2.8000	53.000	22.000	-2.8000	45	N/A	N/A	Yes	Yes
4	Line	16 Chenies Sth	N/A	2.0000	21.900	-2.8000	2.0000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
5	Line	16 Chenies Est	N/A	2.0000	6.0000	-2.8000	53.000	6.0000	-2.8000	45	N/A	N/A	Yes	Yes
6	Line	16 Chenies Nth	N/A	53.000	21.900	-2.8000	53.000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
7	Line	18 Chenies Retained Wall	N/A	39.000	-13.600	-3.5000	39.000	6.0000	-3.5000	20	N/A	N/A	Yes	Yes
8	Line	Law Bdg Nth	N/A	21.600	4.0000	-2.8000	21.600	-17.000	-2.8000	20	N/A	N/A	Yes	Yes
9	Line	Law Bbg Est	N/A	21.600	-17.100	-2.8000	0.0	-17.100	-2.8000	20	N/A	N/A	Yes	Yes

Warnings

1 The following displacement locations lie wide of all soil zones. The first soil Coordinates [46.000, [48.000, [50.000, [52.000, [54.000, [56.000, [58.000, [60.000, [-10.000, [-8.000, [-6.000, [-4.000, [-2.000, [0.000, [2.000, [4.000, [6.000, [8.000, [10.000, [12.000, [14.000, [16.000, [18.000, [20.000, [22.000, profile will be used.

Displacement Data Index (m)
1 32.000, -2.800]

-2.800]
-2.800]
-2.800]
-2.800]
-2.800]

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion First point X [m]	Y [m]	Z(level) [m]	Second point X [m]	Y [m]	Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 same warning

applies to

other

displacement

points. Only

25 are

listed

here.

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: -40.00 [m OD]

The maximum displacement difference between
Boussinesq method (0.94668mm) and Mindlin method (0.41608mm)
occurs at point X=15.867m Y=6.0000m Level -1.5000mOD and is 0.53060mm

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
UL1	6.05000	14.05000	-2.80000	-1.7714	-3.0500	-9.3173	-35.521	151.39E-6
UL2	4.90000	14.60000	-2.80000	-4.1582	-3.0500	-112.61	-205.88	-0.0026392
UL3	10.00000	14.60000	-2.80000	-0.99315	-3.0500	-14.121	-29.938	-248.49E-6
UL4	22.70000	17.80000	-2.80000	0.36808	-3.0500	-3.8186	-2.3797	-181.52E-6
UL5	22.70000	10.50000	-2.80000	0.20278	-3.0500	-3.6398	-2.6835	-164.72E-6
UL6	26.50000	14.20000	-2.80000	-0.15060	-3.0500	-4.4091	-10.503	-54.490E-6
UL7	27.20000	7.80000	-2.80000	-0.061941	-3.0500	-6.9036	-0.84849	-397.24E-6
UL8	18.20000	14.20000	-2.80000	-0.029307	-3.0500	-2.2485	-5.9354	-16.203E-6
L1	12.50000	17.80000	-2.80000	0.78202	-3.0500	35.520	60.902	913.17E-6
L2	12.50000	10.20000	-2.80000	0.73736	-3.0500	35.520	60.795	915.28E-6
L3	22.30000	19.70000	-2.80000	2.3187	-3.0500	69.568	128.10	0.0016122
L4	23.90000	8.50000	-2.80000	1.9532	-3.0500	69.154	124.79	0.0016535
L5	16.00000	21.60000	-2.80000	1.2096	-3.0500	36.659	70.810	783.37E-6
L6	18.90000	21.60000	-2.80000	1.3796	-3.0500	36.667	71.608	767.83E-6
L7	22.00000	21.60000	-2.80000	1.4290	-3.0500	36.667	71.707	765.87E-6
L8	24.90000	21.60000	-2.80000	1.4082	-3.0500	36.667	71.654	766.93E-6
L9	27.90000	21.60000	-2.80000	1.2879	-3.0500	36.663	71.072	778.32E-6
L10	16.00000	6.10000	-2.80000	1.0087	-3.0500	36.638	69.507	808.13E-6
L11	18.90000	6.10000	-2.80000	1.1261	-3.0500	36.646	70.366	791.43E-6
L12	22.00000	6.10000	-2.80000	1.0605	-3.0500	36.646	70.323	792.30E-6
L13	24.90000	6.10000	-2.80000	0.79379	-3.0500	36.624	69.139	814.66E-6
L14	27.90000	6.10000	-2.80000	0.22084	-3.0500	36.544	65.233	888.00E-6
L15	22.70000	16.95000	-2.80000	1.0097	-3.0500	34.197	52.908	993.66E-6
L16	22.70000	15.00000	-2.80000	0.85080	-3.0500	34.199	52.223	0.0010075
L17	22.70000	13.20000	-2.80000	0.82120	-3.0500	34.202	52.296	0.0010062
L18	22.70000	11.40000	-2.80000	0.88980	-3.0500	34.216	52.912	994.70E-6
L19	27.10000	13.20000	-2.80000	0.65282	-3.0500	34.105	50.457	0.0010372
L20	27.10000	11.40000	-2.80000	0.71305	-3.0500	34.136	51.626	0.0010156
L21	30.00000	11.40000	-2.80000	0.61489	-3.0500	34.160	51.816	0.0010133
18 Chenies Extn 1	31.10000	1.10000	-2.80000	-4.1591	-3.0500	-41.987	-117.98	-159.66E-6
18 Chenies Extn 2	32.10000	-7.20000	-2.80000	-3.8739	-3.0500	-41.960	-115.13	-214.97E-6
18 Chenies Removed Wall	34.00000	-3.40000	-3.50000	-4.2230	-3.6500	-91.404	-202.03	-962.45E-6
18 Chenies Reduced wall	39.00000	-3.60000	-3.50000	-1.0381	-3.6500	-10.824	-28.112	-58.132E-6
Grid 1	-10.00000	-20.00000	-2.80000	0.022355	-3.0500	0.0	-0.0069232	0.0
	-8.00000	-20.00000	-2.80000	0.022508	-3.0500	0.0	-0.0076359	0.0
	-6.00000	-20.00000	-2.80000	0.022497	-3.0500	0.0	-0.0084233	0.0
	-4.00000	-20.00000	-2.80000	0.022278	-3.0500	0.0	-0.0092971	0.0
	-2.00000	-20.00000	-2.80000	0.021795	-3.0500	0.0	-0.010274	0.0
	0.00000	-20.00000	-2.80000	0.020972	-3.0500	0.0	-0.011378	0.0
	2.00000	-20.00000	-2.80000	0.019709	-3.0500	0.0	-0.012647	0.0
	4.00000	-20.00000	-2.80000	0.017876	-3.0500	0.0	-0.014130	0.0
	6.00000	-20.00000	-2.80000	0.015309	-3.0500	-1.0776E-6	-0.015899	0.0
	8.00000	-20.00000	-2.80000	0.011805	-3.0500	-1.3490E-6	-0.018052	0.0
	10.00000	-20.00000	-2.80000	0.0071238	-3.0500	-1.7342E-6	-0.020717	0.0
	12.00000	-20.00000	-2.80000	990.80E-6	-3.0500	-2.2919E-6	-0.024062	0.0
	14.00000	-20.00000	-2.80000	-0.0068934	-3.0500	-3.1126E-6	-0.028300	0.0
	16.00000	-20.00000	-2.80000	-0.016834	-3.0500	-4.3362E-6	-0.033697	0.0
	18.00000	-20.00000	-2.80000	-0.029110	-3.0500	-6.1803E-6	-0.040573	0.0
	20.00000	-20.00000	-2.80000	-0.043915	-3.0500	-8.9812E-6	-0.049290	0.0
	22.00000	-20.00000	-2.80000	-0.061256	-3.0500	-13.233E-6	-0.060187	1.2030E-6
	24.00000	-20.00000	-2.80000	-0.080777	-3.0500	-19.560E-6	-0.073407	1.4670E-6
	26.00000	-20.00000	-2.80000	-0.10147	-3.0500	-28.424E-6	-0.088494	1.7682E-6
	28.00000	-20.00000	-2.80000	-0.12135	-3.0500	-39.241E-6	-0.10374	2.0725E-6
	30.00000	-20.00000	-2.80000	-0.13734	-3.0500	-49.162E-6	-0.11577	2.3124E-6
	32.00000	-20.00000	-2.80000	-0.14595	-3.0500	-53.547E-6	-0.12049	2.4065E-6
	34.00000	-20.00000	-2.80000	-0.14490	-3.0500	-49.746E-6	-0.11586	2.3143E-6
	36.00000	-20.00000	-2.80000	-0.13458	-3.0500	-40.012E-6	-0.10368	2.0711E-6
	38.00000	-20.00000	-2.80000	-0.11769	-3.0500	-29.018E-6	-0.087999	1.7582E-6
	40.00000	-20.00000	-2.80000	-0.097531	-3.0500	-19.870E-6	-0.072380	1.4464E-6
	42.00000	-20.00000	-2.80000	-0.076854	-3.0500	-13.314E-6	-0.058664	1.1725E-6
	44.00000	-20.00000	-2.80000	-0.057539	-3.0500	-8.9209E-6	-0.047355	0.0
	46.00000	-20.00000	-2.80000	-0.040578	-3.0500	-6.0434E-6	-0.038300	0.0
	48.00000	-20.00000	-2.80000	-0.026272	-3.0500	-4.1589E-6	-0.031137	0.0
	50.00000	-20.00000	-2.80000	-0.014540	-3.0500	-2.9115E-6	-0.025483	0.0
	52.00000	-20.00000	-2.80000	-0.0051276	-3.0500	-2.0733E-6	-0.021009	0.0
	54.00000	-20.00000	-2.80000	0.0022737	-3.0500	-1.5006E-6	-0.017452	0.0
	56.00000	-20.00000	-2.80000	0.0079752	-3.0500	-1.1028E-6	-0.014606	0.0
	58.00000	-20.00000	-2.80000	0.012266	-3.0500	0.0	-0.012312	0.0
	60.00000	-20.00000	-2.80000	0.015402	-3.0500	0.0	-0.010452	0.0
	-10.00000	-18.00000	-2.80000	0.021945	-3.0500	0.0	-0.0076720	0.0
	-8.00000	-18.00000	-2.80000	0.021926	-3.0500	0.0	-0.0084959	0.0
	-6.00000	-18.00000	-2.80000	0.021719	-3.0500	0.0	-0.0094052	0.0
	-4.00000	-18.00000	-2.80000	0.021277	-3.0500	0.0	-0.010411	0.0
	-2.00000	-18.00000	-2.80000	0.020541	-3.0500	0.0	-0.011531	0.0
	0.00000	-18.00000	-2.80000	0.019425	-3.0500	0.0	-0.012793	0.0
	2.00000	-18.00000	-2.80000	0.017812	-3.0500	0.0	-0.014239	0.0
	4.00000	-18.00000	-2.80000	0.015544	-3.0500	-1.0807E-6	-0.015935	0.0
	6.00000	-18.00000	-2.80000	0.012413	-3.0500	-1.3200E-6	-0.017975	0.0
	8.00000	-18.00000	-2.80000	0.0081510	-3.0500	-1.6577E-6	-0.020494	0.0
	10.00000	-18.00000	-2.80000	0.0024273	-3.0500	-2.1520E-6	-0.023682	0.0
	12.00000	-18.00000	-2.80000	-0.0051558	-3.0500	-2.8962E-6	-0.027794	0.0
	14.00000	-18.00000	-2.80000	-0.015061	-3.0500	-4.0421E-6	-0.033178	0.0

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 [-]
	16.00000	-18.00000	-2.80000	-0.027807	-3.0500	-5.8437E-6	-0.040305	0.0
	18.00000	-18.00000	-2.80000	-0.043951	-3.0500	-8.7398E-6	-0.049812	0.0
	20.00000	-18.00000	-2.80000	-0.064051	-3.0500	-13.513E-6	-0.062554	1.2503E-6
	22.00000	-18.00000	-2.80000	-0.088563	-3.0500	-21.576E-6	-0.079642	1.5915E-6
	24.00000	-18.00000	-2.80000	-0.11762	-3.0500	-35.395E-6	-0.10232	2.0444E-6
	26.00000	-18.00000	-2.80000	-0.15048	-3.0500	-58.568E-6	-0.13132	2.6229E-6
	28.00000	-18.00000	-2.80000	-0.18453	-3.0500	-93.306E-6	-0.16477	3.2897E-6
	30.00000	-18.00000	-2.80000	-0.21408	-3.0500	-131.83E-6	-0.19474	3.8869E-6
	32.00000	-18.00000	-2.80000	-0.23094	-3.0500	-151.05E-6	-0.20775	4.1460E-6
	34.00000	-18.00000	-2.80000	-0.22885	-3.0500	-134.68E-6	-0.19582	3.9083E-6
	36.00000	-18.00000	-2.80000	-0.20891	-3.0500	-96.575E-6	-0.16581	3.3105E-6
	38.00000	-18.00000	-2.80000	-0.17858	-3.0500	-60.681E-6	-0.13145	2.6253E-6
	40.00000	-18.00000	-2.80000	-0.14474	-3.0500	-36.358E-6	-0.10137	2.0253E-6
	42.00000	-18.00000	-2.80000	-0.11187	-3.0500	-21.852E-6	-0.077843	1.5556E-6
	44.00000	-18.00000	-2.80000	-0.082903	-3.0500	-13.459E-6	-0.060163	1.2024E-6
	46.00000	-18.00000	-2.80000	-0.058812	-3.0500	-8.5455E-6	-0.046996	0.0
	48.00000	-18.00000	-2.80000	-0.039353	-3.0500	-5.5916E-6	-0.037150	0.0
	50.00000	-18.00000	-2.80000	-0.023902	-3.0500	-3.7611E-6	-0.029715	0.0
	52.00000	-18.00000	-2.80000	-0.011799	-3.0500	-2.5932E-6	-0.024039	0.0
	54.00000	-18.00000	-2.80000	-0.0024432	-3.0500	-1.8277E-6	-0.019655	0.0
	56.00000	-18.00000	-2.80000	0.0046791	-3.0500	-1.3137E-6	-0.016231	0.0
	58.00000	-18.00000	-2.80000	0.010002	-3.0500	0.0	-0.013527	0.0
	60.00000	-18.00000	-2.80000	0.013887	-3.0500	0.0	-0.011371	0.0
	-10.00000	-16.00000	-2.80000	0.021239	-3.0500	0.0	-0.0085450	0.0
	-8.00000	-16.00000	-2.80000	0.020995	-3.0500	0.0	-0.0095076	0.0
	-6.00000	-16.00000	-2.80000	0.020535	-3.0500	0.0	-0.010568	0.0
	-4.00000	-16.00000	-2.80000	0.019816	-3.0500	0.0	-0.011736	0.0
	-2.00000	-16.00000	-2.80000	0.018777	-3.0500	0.0	-0.013027	0.0
	0.00000	-16.00000	-2.80000	0.017327	-3.0500	0.0	-0.014469	0.0
	2.00000	-16.00000	-2.80000	0.015335	-3.0500	-1.1301E-6	-0.016109	0.0
	4.00000	-16.00000	-2.80000	0.012616	-3.0500	-1.3409E-6	-0.018025	0.0
	6.00000	-16.00000	-2.80000	0.0089131	-3.0500	-1.6253E-6	-0.020338	0.0
	8.00000	-16.00000	-2.80000	0.0038823	-3.0500	-2.0336E-6	-0.023231	0.0
	10.00000	-16.00000	-2.80000	-0.0029198	-3.0500	-2.6503E-6	-0.026968	0.0
	12.00000	-16.00000	-2.80000	-0.012050	-3.0500	-3.6169E-6	-0.031927	0.0
	14.00000	-16.00000	-2.80000	-0.024191	-3.0500	-5.1762E-6	-0.038647	0.0
	16.00000	-16.00000	-2.80000	-0.040168	-3.0500	-7.7624E-6	-0.047905	0.0
	18.00000	-16.00000	-2.80000	-0.060970	-3.0500	-12.196E-6	-0.060849	1.2162E-6
	20.00000	-16.00000	-2.80000	-0.087776	-3.0500	-20.137E-6	-0.079236	1.5835E-6
	22.00000	-16.00000	-2.80000	-0.12198	-3.0500	-35.197E-6	-0.10585	2.1149E-6
	24.00000	-16.00000	-2.80000	-0.16509	-3.0500	-65.736E-6	-0.14514	2.8989E-6
	26.00000	-16.00000	-2.80000	-0.21819	-3.0500	-131.18E-6	-0.20361	4.0644E-6
	28.00000	-16.00000	-2.80000	-0.27973	-3.0500	-267.39E-6	-0.28638	5.7116E-6
	30.00000	-16.00000	-2.80000	-0.34022	-3.0500	-479.14E-6	-0.37914	7.5540E-6
	32.00000	-16.00000	-2.80000	-0.37877	-3.0500	-608.96E-6	-0.42649	8.4933E-6
	34.00000	-16.00000	-2.80000	-0.37439	-3.0500	-499.00E-6	-0.38499	7.6699E-6
	36.00000	-16.00000	-2.80000	-0.32955	-3.0500	-284.55E-6	-0.29191	5.8212E-6
	38.00000	-16.00000	-2.80000	-0.27142	-3.0500	-139.09E-6	-0.20580	4.1077E-6
	40.00000	-16.00000	-2.80000	-0.21260	-3.0500	-68.483E-6	-0.14457	2.8872E-6
	42.00000	-16.00000	-2.80000	-0.15783	-3.0500	-35.862E-6	-0.10366	2.0710E-6
	44.00000	-16.00000	-2.80000	-0.11385	-3.0500	-20.063E-6	-0.076180	1.5224E-6
	46.00000	-16.00000	-2.80000	-0.080009	-3.0500	-11.889E-6	-0.057294	1.1452E-6
	48.00000	-16.00000	-2.80000	-0.054075	-3.0500	-7.3895E-6	-0.043977	0.0
	50.00000	-16.00000	-2.80000	-0.034204	-3.0500	-4.7772E-6	-0.034364	0.0
	52.00000	-16.00000	-2.80000	-0.019021	-3.0500	-3.1916E-6	-0.027277	0.0
	54.00000	-16.00000	-2.80000	-0.0074918	-3.0500	-2.1927E-6	-0.021956	0.0
	56.00000	-16.00000	-2.80000	0.0011770	-3.0500	-1.5430E-6	-0.017895	0.0
	58.00000	-16.00000	-2.80000	0.0076049	-3.0500	-1.1089E-6	-0.014751	0.0
	60.00000	-16.00000	-2.80000	0.012280	-3.0500	0.0	-0.012284	0.0
	-10.00000	-14.00000	-2.80000	0.020172	-3.0500	0.0	-0.0095759	0.0
	-8.00000	-14.00000	-2.80000	0.019631	-3.0500	0.0	-0.010717	0.0
	-6.00000	-14.00000	-2.80000	0.018843	-3.0500	0.0	-0.011973	0.0
	-4.00000	-14.00000	-2.80000	0.017771	-3.0500	0.0	-0.013348	0.0
	-2.00000	-14.00000	-2.80000	0.016360	-3.0500	-1.0700E-6	-0.014853	0.0
	0.00000	-14.00000	-2.80000	0.014524	-3.0500	-1.2467E-6	-0.016510	0.0
	2.00000	-14.00000	-2.80000	0.012126	-3.0500	-1.4500E-6	-0.018364	0.0
	4.00000	-14.00000	-2.80000	0.0089578	-3.0500	-1.6974E-6	-0.020501	0.0
	6.00000	-14.00000	-2.80000	0.0047132	-3.0500	-2.0249E-6	-0.023071	0.0
	8.00000	-14.00000	-2.80000	-0.0010361	-3.0500	-2.4992E-6	-0.026308	0.0
	10.00000	-14.00000	-2.80000	-0.0088675	-3.0500	-3.2383E-6	-0.030572	0.0
	12.00000	-14.00000	-2.80000	-0.019536	-3.0500	-4.4483E-6	-0.036398	0.0
	14.00000	-14.00000	-2.80000	-0.034006	-3.0500	-6.4983E-6	-0.044581	0.0
	16.00000	-14.00000	-2.80000	-0.053512	-3.0500	-10.083E-6	-0.056320	1.1258E-6
	18.00000	-14.00000	-2.80000	-0.079644	-3.0500	-16.611E-6	-0.073514	1.4693E-6
	20.00000	-14.00000	-2.80000	-0.11453	-3.0500	-29.241E-6	-0.099356	1.9854E-6
	22.00000	-14.00000	-2.80000	-0.16115	-3.0500	-55.990E-6	-0.13969	2.7904E-6
	24.00000	-14.00000	-2.80000	-0.22396	-3.0500	-120.72E-6	-0.20633	4.1193E-6
	26.00000	-14.00000	-2.80000	-0.30959	-3.0500	-309.35E-6	-0.32579	6.4971E-6
	28.00000	-14.00000	-2.80000	-0.42581	-3.0500	-984.73E-6	-0.55869	11.115E-6
	30.00000	-14.00000	-2.80000	-0.56642	-3.0500	-0.0031572	-0.96794	19.169E-6
	32.00000	-14.00000	-2.80000	-0.67500	-3.0500	-0.0050733	-1.2492	24.680E-6
	34.00000	-14.00000	-2.80000	-0.67256	-3.0500	-0.0034457	-1.0081	19.955E-6
	36.00000	-14.00000	-2.80000	-0.53735	-3.0500	-0.0011119	-0.58466	11.626E-6
	38.00000	-14.00000	-2.80000	-0.42409	-3.0500	-339.53E-6	-0.33384	6.6565E-6
	40.00000	-14.00000	-2.80000	-0.32095	-3.0500	-127.64E-6	-0.20641	4.1205E-6
	42.00000	-14.00000	-2.80000	-0.21618	-3.0500	-57.159E-6	-0.13669	2.7303E-6
	44.00000	-14.00000	-2.80000	-0.14957	-3.0500	-28.985E-6	-0.095231	1.9029E-6
	46.00000	-14.00000	-2.80000	-0.10333	-3.0500	-16.066E-6	-0.068927	1.3776E-6
	48.00000	-14.00000	-2.80000	-0.069802	-3.0500	-9.5139E-6	-0.051396	1.0274E-6
	50.00000	-14.00000	-2.80000	-0.044987	-3.0500	-5.9282E-6	-0.039262	0.0
	52.00000	-14.00000	-2.80000	-0.026470	-3.0500	-3.8472E-6	-0.030604	0.0
	54.00000	-14.00000	-2.80000	-0.012644	-3.0500	-2.5816E-6	-0.024271	0.0
	56.00000	-14.00000	-2.80000	-0.0023707	-3.0500	-1.7817E-6	-0.019540	0.0
	58.00000	-14.00000	-2.80000	0.0051860	-3.0500	-1.2598E-6	-0.015941	0.0
	60.00000	-14.00000	-2.80000	0.010658	-3.0500	0.0	-0.013160	0.0
	-10.00000	-12.00000	-2.80000	0.018666	-3.0500	0.0	-0.010809	0.0
	-8.00000	-12.00000	-2.80000	0.017730	-3.0500	0.0	-0.012187	0.0
	-6.00000	-12.00000	-2.80000	0.016507	-3.0500	-1.0187E-6	-0.013706	0.0
	-4.00000	-12.00000	-2.80000	0.014975	-3.0500	-1.2180E-6	-0.015362	0.0
	-2.00000	-12.00000	-2.80000	0.013095	-3.0500	-1.4380E-6	-0.017152	0.0
	0.00000	-12.00000	-2.80000	0.010799	-3.0500	-1.6756E-6	-0.019083	0.0
	2.00000	-12.00000	-2.80000	0.0079588	-3.0500	-1.9322E-6	-0.021185	0.0
	4.00000	-12.00000	-2.80000	0.0043590	-3.0500	-2.2215E-6	-0.023543	0.0
	6.00000	-12.00000	-2.80000	-347.63E-6	-3.0500	-2.5831E-6	-0.026323	0.0
	8.00000	-12.00000	-2.80000	-0.0066789	-3.0500	-3.1010E-6	-0.029819	0.0
	10.00000	-12.00000	-2.80000	-0.015366	-3.0500	-3.9344E-6	-0.034503	0.0
	12.00000	-12.00000	-2.80000	-0.027398	-3.0500	-5.3725E-6	-0.041106	0.0
	14.00000	-12.00000	-2.80000	-0.044089	-3.0500	-7.9488E-6	-0.050743	1.0144E-6
	16.00000	-12.00000	-2.80000	-0.067178	-3.0500	-12.705E-6	-0.065165	1.3025E-6
	18.00000	-12.00000	-2.80000	-0.099027	-3.0500	-21.857E-6	-0.087260	1.7439E-6
	20.00000	-12.00000	-2.80000	-0.14301	-3.0500	-40.716E-6	-0.12220	2.4415E-6
	22.00000	-12.00000	-2.80000	-0.20436	-3.0500	-84.248E-6	-0.18033	3.6015E-6
	24.00000	-12.00000	-2.80000	-0.29211	-3.0500	-205.74E-6	-0.28606	5.7089E-6
	26.00000	-12.00000	-2.80000	-0.42405	-3.0500	-678.43E-6	-0.51237	10.207E-6
	28.00000	-12.00000	-2.80000	-0.63933	-3.0500	-0.0042849	-1.1843	23.428E-6
	30.00000	-12.00000	-2.80000	-1.0217	-3.0500	-0.17697	-5.5637	100.66E-6
	32.00000	-12.00000	-2.80000	-1.3971	-3.0500	-0.51820	-11.390	196.70E-6
	34.00000	-12.00000	-2.80000	-2.1700	-3.0500	-0.26476	-6.7048	118.21E-6
	36.00000	-12.00000	-2.80000	-0.87039	-3.0500	-0.0055054	-1.3069	25.809E-6
	38.00000	-12.00000	-2.80000	-0.62678	-3.0500	-773.08E-6	-0.53217	10.597E-6
	40.00000	-12.00000	-2.80000	-0.45782	-3.0500	-218.91E-6	-0.28586	5.7040E-6
	42.00000	-12.00000	-2.80000	-0.28007	-3.0500	-85.210E-6	-0.17529	3.5006E-6
	44.00000	-12.00000	-2.80000	-0.18698	-3.0500	-39.743E-6	-0.11623	2.3223E-6
	46.00000	-12.00000	-2.80000	-0.12711	-3.0500	-20.824E-6	-0.081232	1.6234E-6
	48.00000	-12.00000	-2.80000	-0.085527	-3.0500	-11.835E-6	-0.058998	1.1792E-6
	50.00000	-12.00000	-2.80000	-0.055607	-3.0500	-7.1455E-6	-0.044151	0.0
	52.00000	-12.00000	-2.80000	-0.033720	-3.0500	-4.5221E-6	-0.033852	0.0
	54.00000	-12.00000	-2.80000	-0.017612	-3.0500	-2.9728E-6	-0.026488	0.0
	56.00000	-12.00000	-2.80000	-0.0057700	-3.0500	-2.0172E-6	-0.021090	0.0
	58.00000	-12.00000	-2.80000	0.0028777	-3.0500	-1.4060E-6	-0.017047	0.0
	60.00000	-12.00000	-2.80000	0.0091128	-3.0500	-1.0030E-6	-0.013963	0.0
	-10.00000	-10.00000	-2.80000	0.016632	-3.0500	0.0	-0.012301	0.0
	-8.00000	-10.00000	-2.80000	0.015167	-3.0500	-1.1217E-6	-0.014004	0.0
	-6.00000	-10.00000	-2.80000	0.013360	-3.0500	-1.3845E-6	-0.015893	0.0
	-4.00000	-10.00000	-2.80000	0.011207	-3.0500	-1.6867E-6	-0.017952	0.0
	-2.00000	-10.00000	-2.80000	0.0087058	-3.0500	-2.0194E-6	-0.020153	0.0
	0.00000	-10.00000	-2.80000	0.0058272	-3.0500	-2.3675E-6	-0.022468	0.0
	2.00000	-10.00000	-2.80000	0.0024845	-3.0500	-2.7157E-6	-0.024890	0.0
	4.00000	-10.00000	-2.80000	-0.0015189	-3.0500	-3.0616E-6	-0.027473	0.0
	6.00000	-10.00000	-2.80000	-0.0065502	-3.0500	-3.4380E-6	-0.030382	0.0
	8.00000	-10.00000	-2.80000	-0.013211	-3.0500	-3.9435E-6	-0.033965	0.0

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	-10.00000	-2.80000	-0.022402	-3.0500	-4.7860E-6	-0.038824	0.0
	12.00000	-10.00000	-2.80000	-0.035387	-3.0500	-6.3591E-6	-0.045923	0.0
	14.00000	-10.00000	-2.80000	-0.053888	-3.0500	-9.4040E-6	-0.056776	1.1350E-6
	16.00000	-10.00000	-2.80000	-0.080245	-3.0500	-15.397E-6	-0.073801	1.4751E-6
	18.00000	-10.00000	-2.80000	-0.11773	-3.0500	-27.563E-6	-0.10109	2.0202E-6
	20.00000	-10.00000	-2.80000	-0.17118	-3.0500	-53.888E-6	-0.14621	2.9209E-6
	22.00000	-10.00000	-2.80000	-0.24843	-3.0500	-117.83E-6	-0.22490	4.4909E-6
	24.00000	-10.00000	-2.80000	-0.36377	-3.0500	-308.50E-6	-0.37646	7.5107E-6
	26.00000	-10.00000	-2.80000	-0.54797	-3.0500	-0.0011468	-0.73171	14.565E-6
	28.00000	-10.00000	-2.80000	-0.88263	-3.0500	-0.0098983	-2.0331	40.067E-6
	30.00000	-10.00000	-2.80000	-1.7599	-3.0500	-5.4359	-31.218	298.20E-6
	32.00000	-10.00000	-2.80000	-3.2990	-3.0500	-41.918	-111.96	-275.96E-6
	34.00000	-10.00000	-2.80000	-3.4940	-3.0500	-20.974	-57.920	-100.02E-6
	36.00000	-10.00000	-2.80000	-1.2080	-3.0500	-0.013483	-2.3118	45.427E-6
	38.00000	-10.00000	-2.80000	-0.79437	-3.0500	-0.0013152	-0.75740	15.069E-6
	40.00000	-10.00000	-2.80000	-0.55671	-3.0500	-321.58E-6	-0.37041	7.3888E-6
	42.00000	-10.00000	-2.80000	-0.33735	-3.0500	-115.32E-6	-0.21486	4.2903E-6
	44.00000	-10.00000	-2.80000	-0.22172	-3.0500	-50.945E-6	-0.13715	2.7399E-6
	46.00000	-10.00000	-2.80000	-0.14920	-3.0500	-25.655E-6	-0.093181	1.8621E-6
	48.00000	-10.00000	-2.80000	-0.10002	-3.0500	-14.139E-6	-0.066213	1.3234E-6
	50.00000	-10.00000	-2.80000	-0.065305	-3.0500	-8.3285E-6	-0.048698	0.0
	52.00000	-10.00000	-2.80000	-0.040285	-3.0500	-5.1652E-6	-0.036819	0.0
	54.00000	-10.00000	-2.80000	-0.022079	-3.0500	-3.3391E-6	-0.028481	0.0
	56.00000	-10.00000	-2.80000	-0.0088087	-3.0500	-2.2340E-6	-0.022463	0.0
	58.00000	-10.00000	-2.80000	821.90E-6	-3.0500	-1.5387E-6	-0.018014	0.0
	60.00000	-10.00000	-2.80000	0.0077383	-3.0500	-1.0866E-6	-0.014658	0.0
	-10.00000	-8.00000	-2.80000	0.013972	-3.0500	-1.1938E-6	-0.014123	0.0
	-8.00000	-8.00000	-2.80000	0.011798	-3.0500	-1.5291E-6	-0.016283	0.0
	-6.00000	-8.00000	-2.80000	0.0091881	-3.0500	-1.9430E-6	-0.018713	0.0
	-4.00000	-8.00000	-2.80000	0.0061732	-3.0500	-2.4347E-6	-0.021381	0.0
	-2.00000	-8.00000	-2.80000	0.0028038	-3.0500	-2.9866E-6	-0.024223	0.0
	0.00000	-8.00000	-2.80000	-869.41E-6	-3.0500	-3.5595E-6	-0.027143	0.0
	2.00000	-8.00000	-2.80000	-0.0048428	-3.0500	-4.0967E-6	-0.030047	0.0
	4.00000	-8.00000	-2.80000	-0.0092364	-3.0500	-4.5468E-6	-0.032898	0.0
	6.00000	-8.00000	-2.80000	-0.014393	-3.0500	-4.9065E-6	-0.035814	0.0
	8.00000	-8.00000	-2.80000	-0.020978	-3.0500	-5.2755E-6	-0.039174	0.0
	10.00000	-8.00000	-2.80000	-0.030073	-3.0500	-5.9196E-6	-0.043725	0.0
	12.00000	-8.00000	-2.80000	-0.043260	-3.0500	-7.3682E-6	-0.050724	1.0140E-6
	14.00000	-8.00000	-2.80000	-0.062738	-3.0500	-10.626E-6	-0.062163	1.2426E-6
	16.00000	-8.00000	-2.80000	-0.091535	-3.0500	-17.706E-6	-0.081257	1.6241E-6
	18.00000	-8.00000	-2.80000	-0.13394	-3.0500	-33.062E-6	-0.11351	2.2681E-6
	20.00000	-8.00000	-2.80000	-0.19642	-3.0500	-67.898E-6	-0.16921	3.3801E-6
	22.00000	-8.00000	-2.80000	-0.28952	-3.0500	-155.26E-6	-0.27001	5.3909E-6
	24.00000	-8.00000	-2.80000	-0.43232	-3.0500	-417.54E-6	-0.46914	9.3577E-6
	26.00000	-8.00000	-2.80000	-0.66437	-3.0500	-0.0015250	-0.93575	18.624E-6
	28.00000	-8.00000	-2.80000	-1.0842	-3.0500	-0.011912	-2.5588	50.461E-6
	30.00000	-8.00000	-2.80000	-2.1050	-3.0500	-5.4547	-32.919	331.10E-6
	32.00000	-8.00000	-2.80000	-3.7507	-3.0500	-41.958	-114.80	-221.41E-6
	34.00000	-8.00000	-2.80000	-3.8722	-3.0500	-20.996	-59.756	-64.633E-6
	36.00000	-8.00000	-2.80000	-1.4304	-3.0500	-0.015802	-2.8331	55.714E-6
	38.00000	-8.00000	-2.80000	-0.91966	-3.0500	-0.0016546	-0.93045	18.510E-6
	40.00000	-8.00000	-2.80000	-0.63121	-3.0500	-402.40E-6	-0.44258	8.8274E-6
	42.00000	-8.00000	-2.80000	-0.38301	-3.0500	-141.11E-6	-0.24961	4.9836E-6
	44.00000	-8.00000	-2.80000	-0.25031	-3.0500	-60.830E-6	-0.15553	3.1069E-6
	46.00000	-8.00000	-2.80000	-0.16755	-3.0500	-29.941E-6	-0.10357	2.0697E-6
	48.00000	-8.00000	-2.80000	-0.11205	-3.0500	-16.172E-6	-0.072402	1.4471E-6
	50.00000	-8.00000	-2.80000	-0.073316	-3.0500	-9.3606E-6	-0.052539	1.0502E-6
	52.00000	-8.00000	-2.80000	-0.045676	-3.0500	-5.7191E-6	-0.039288	0.0
	54.00000	-8.00000	-2.80000	-0.025727	-3.0500	-3.6502E-6	-0.030116	0.0
	56.00000	-8.00000	-2.80000	-0.011279	-3.0500	-2.4157E-6	-0.023575	0.0
	58.00000	-8.00000	-2.80000	-843.30E-6	-3.0500	-1.6485E-6	-0.018788	0.0
	60.00000	-8.00000	-2.80000	0.0066270	-3.0500	-1.1550E-6	-0.015208	0.0
	-10.00000	-6.00000	-2.80000	0.010588	-3.0500	-1.6066E-6	-0.016360	0.0
	-8.00000	-6.00000	-2.80000	0.0074564	-3.0500	-2.1323E-6	-0.019175	0.0
	-6.00000	-6.00000	-2.80000	0.0037336	-3.0500	-2.8162E-6	-0.022419	0.0
	-4.00000	-6.00000	-2.80000	-516.18E-6	-3.0500	-3.6730E-6	-0.026054	0.0
	-2.00000	-6.00000	-2.80000	-0.0051620	-3.0500	-4.6819E-6	-0.029966	0.0
	0.00000	-6.00000	-2.80000	-0.010018	-3.0500	-5.7600E-6	-0.033943	0.0
	2.00000	-6.00000	-2.80000	-0.014899	-3.0500	-6.7507E-6	-0.037703	0.0
	4.00000	-6.00000	-2.80000	-0.019741	-3.0500	-7.4625E-6	-0.040990	0.0
	6.00000	-6.00000	-2.80000	-0.024766	-3.0500	-7.7677E-6	-0.043754	0.0
	8.00000	-6.00000	-2.80000	-0.030660	-3.0500	-7.7251E-6	-0.046350	0.0
	10.00000	-6.00000	-2.80000	-0.038699	-3.0500	-7.6774E-6	-0.049699	0.0
	12.00000	-6.00000	-2.80000	-0.050849	-3.0500	-8.3526E-6	-0.055434	1.1082E-6
	14.00000	-6.00000	-2.80000	-0.069871	-3.0500	-11.114E-6	-0.066157	1.3225E-6
	16.00000	-6.00000	-2.80000	-0.099582	-3.0500	-18.657E-6	-0.086034	1.7196E-6
	18.00000	-6.00000	-2.80000	-0.14540	-3.0500	-36.975E-6	-0.12220	2.4418E-6
	20.00000	-6.00000	-2.80000	-0.21556	-3.0500	-81.525E-6	-0.18821	3.7593E-6
	22.00000	-6.00000	-2.80000	-0.32363	-3.0500	-199.58E-6	-0.31309	6.2498E-6
	24.00000	-6.00000	-2.80000	-0.49402	-3.0500	-569.41E-6	-0.56859	11.338E-6
	26.00000	-6.00000	-2.80000	-0.77380	-3.0500	-0.0020956	-1.1684	23.243E-6
	28.00000	-6.00000	-2.80000	-1.2608	-3.0500	-0.013745	-3.0461	60.098E-6
	30.00000	-6.00000	-2.80000	-2.3346	-3.0500	-5.4576	-33.608	344.70E-6
	32.00000	-6.00000	-2.80000	-3.9843	-3.0500	-41.960	-115.46	-208.50E-6
	34.00000	-6.00000	-2.80000	-4.0633	-3.0500	-20.997	-60.208	-55.687E-6
	36.00000	-6.00000	-2.80000	-1.5608	-3.0500	-0.016325	-3.0635	60.291E-6
	38.00000	-6.00000	-2.80000	-1.0015	-3.0500	-0.0018083	-1.0368	20.627E-6
	40.00000	-6.00000	-2.80000	-0.68198	-3.0500	-451.75E-6	-0.49324	9.8377E-6
	42.00000	-6.00000	-2.80000	-0.41482	-3.0500	-159.05E-6	-0.27522	5.4949E-6
	44.00000	-6.00000	-2.80000	-0.27053	-3.0500	-68.098E-6	-0.16925	3.3809E-6
	46.00000	-6.00000	-2.80000	-0.18059	-3.0500	-33.156E-6	-0.11131	2.2242E-6
	48.00000	-6.00000	-2.80000	-0.12059	-3.0500	-17.700E-6	-0.076961	1.5382E-6
	50.00000	-6.00000	-2.80000	-0.078976	-3.0500	-10.132E-6	-0.055332	1.1060E-6
	52.00000	-6.00000	-2.80000	-0.049464	-3.0500	-6.1291E-6	-0.041058	0.0
	54.00000	-6.00000	-2.80000	-0.028277	-3.0500	-3.8780E-6	-0.031272	0.0
	56.00000	-6.00000	-2.80000	-0.012997	-3.0500	-2.5472E-6	-0.024350	0.0
	58.00000	-6.00000	-2.80000	-0.0019979	-3.0500	-1.7270E-6	-0.019321	0.0
	60.00000	-6.00000	-2.80000	0.0058579	-3.0500	-1.2033E-6	-0.015582	0.0
	-10.00000	-4.00000	-2.80000	0.0063898	-3.0500	-2.1871E-6	-0.019107	0.0
	-8.00000	-4.00000	-2.80000	0.0019751	-3.0500	-3.0312E-6	-0.022866	0.0
	-6.00000	-4.00000	-2.80000	-0.0033044	-3.0500	-4.2062E-6	-0.027356	0.0
	-4.00000	-4.00000	-2.80000	-0.0093633	-3.0500	-5.7936E-6	-0.032580	0.0
	-2.00000	-4.00000	-2.80000	-0.015974	-3.0500	-7.8161E-6	-0.038388	0.0
	0.00000	-4.00000	-2.80000	-0.022739	-3.0500	-10.138E-6	-0.044385	0.0
	2.00000	-4.00000	-2.80000	-0.029133	-3.0500	-12.363E-6	-0.049903	0.0
	4.00000	-4.00000	-2.80000	-0.034685	-3.0500	-13.878E-6	-0.054151	1.0822E-6
	6.00000	-4.00000	-2.80000	-0.039297	-3.0500	-14.134E-6	-0.056608	1.1313E-6
	8.00000	-4.00000	-2.80000	-0.043577	-3.0500	-13.019E-6	-0.057470	1.1486E-6
	10.00000	-4.00000	-2.80000	-0.049040	-3.0500	-11.025E-6	-0.057902	1.1574E-6
	12.00000	-4.00000	-2.80000	-0.058153	-3.0500	-9.2444E-6	-0.060110	1.2017E-6
	14.00000	-4.00000	-2.80000	-0.074394	-3.0500	-9.6008E-6	-0.067539	1.3502E-6
	16.00000	-4.00000	-2.80000	-0.10250	-3.0500	-15.748E-6	-0.085554	1.7101E-6
	18.00000	-4.00000	-2.80000	-0.14913	-3.0500	-35.653E-6	-0.12319	2.4618E-6
	20.00000	-4.00000	-2.80000	-0.22439	-3.0500	-90.436E-6	-0.19781	3.9507E-6
	22.00000	-4.00000	-2.80000	-0.34547	-3.0500	-251.19E-6	-0.34862	6.9574E-6
	24.00000	-4.00000	-2.80000	-0.54493	-3.0500	-845.79E-6	-0.68398	13.629E-6
	26.00000	-4.00000	-2.80000	-0.89037	-3.0500	-0.0045394	-1.6104	31.935E-6
	28.00000	-4.00000	-2.80000	-1.5179	-3.0500	-0.075390	-5.6085	107.65E-6
	30.00000	-4.00000	-2.80000	-2.6464	-3.0500	-5.5735	-37.376	413.11E-6
	32.00000	-4.00000	-2.80000	-4.1846	-3.0500	-42.009	-117.00	-180.55E-6
	34.00000	-4.00000	-2.80000	-4.1852	-3.0500	-21.020	-60.898	-43.267E-6
	36.00000	-4.00000	-2.80000	-1.6314	-3.0500	-0.016765	-3.1989	62.972E-6
	38.00000	-4.00000	-2.80000	-1.0445	-3.0500	-0.0018825	-1.0941	21.770E-6
	40.00000	-4.00000	-2.80000	-0.70849	-3.0500	-476.70E-6	-0.52121	10.396E-6
	42.00000	-4.00000	-2.80000	-0.43131	-3.0500	-168.70E-6	-0.28954	5.7807E-6
	44.00000	-4.00000	-2.80000	-0.28091	-3.0500	-72.127E-6	-0.17689	3.5335E-6
	46.00000	-4.00000	-2.80000	-0.18722	-3.0500	-34.953E-6	-0.11556	2.3091E-6
	48.00000	-4.00000	-2.80000	-0.12488	-3.0500	-18.551E-6	-0.079419	1.5873E-6
	50.00000	-4.00000	-2.80000	-0.081792	-3.0500	-10.557E-6	-0.056805	1.1355E-6
	52.00000	-4.00000	-2.80000	-0.051329	-3.0500	-6.3521E-6	-0.041970	0.0
	54.00000	-4.00000	-2.80000	-0.029520	-3.0500	-3.9999E-6	-0.031854	0.0
	56.00000	-4.00000	-2.80000	-0.013829	-3.0500	-2.6163E-6	-0.024731	0.0
	58.00000	-4.00000	-2.80000	-0.0025532	-3.0500	-1.7675E-6	-0.019576	0.0
	60.00000	-4.00000	-2.80000	0.0054894	-3.0500	-1.2278E-6	-0.015757	0.0
	-10.00000	-2.00000	-2.80000	0.0013234	-3.0500	-2.9935E-6	-0.022452	0.0
	-8.00000	-2.00000	-2.80000	-0.0047931	-3.0500	-4.3652E-6	-0.027564	0.0
	-6.00000	-2.00000	-2.80000	-0.012245	-3.0500	-6.4387E-6	-0.033977	0.0
	-4.00000	-2.00000	-2.80000	-0.020990	-3.0500	-9.5303E-6	-0.041870	0.0
	-2.00000	-2.00000	-2.80000	-0.030736	-3.0500	-13.939E-6	-0.051191	1.0230E-6
	0.00000	-2.00000	-2.80000	-0.040798	-3.0500	-19.630E-6	-0.061352	1.2259E-6
	2.00000	-2.00000	-2.80000	-0.050034	-3.0500	-25.684E-6	-0.070916	1.4168E-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 [-]
	4.00000	-2.00000	-2.80000	-0.057088	-3.0500	-30.056E-6	-0.077722	1.5526E-6
	6.00000	-2.00000	-2.80000	-0.061064	-3.0500	-30.569E-6	-0.079885	1.5959E-6
	8.00000	-2.00000	-2.80000	-0.062301	-3.0500	-26.521E-6	-0.077100	1.5404E-6
	10.00000	-2.00000	-2.80000	-0.062685	-3.0500	-18.962E-6	-0.071070	1.4203E-6
	12.00000	-2.00000	-2.80000	-0.065477	-3.0500	-9.8514E-6	-0.065080	1.3010E-6
	14.00000	-2.00000	-2.80000	-0.075157	-3.0500	-2.0679E-6	-0.063890	1.2777E-6
	16.00000	-2.00000	-2.80000	-0.097624	-3.0500	-1.0433E-6	-0.074586	1.4917E-6
	18.00000	-2.00000	-2.80000	-0.14089	-3.0500	-17.745E-6	-0.10854	2.1697E-6
	20.00000	-2.00000	-2.80000	-0.21685	-3.0500	-79.430E-6	-0.18691	3.7334E-6
	22.00000	-2.00000	-2.80000	-0.34613	-3.0500	-285.07E-6	-0.35969	7.1768E-6
	24.00000	-2.00000	-2.80000	-0.57084	-3.0500	-0.0011847	-0.78335	15.596E-6
	26.00000	-2.00000	-2.80000	-0.99251	-3.0500	-0.0098971	-2.2516	44.438E-6
	28.00000	-2.00000	-2.80000	-2.0336	-3.0500	-5.4210	-31.569	306.12E-6
	30.00000	-2.00000	-2.80000	-3.8946	-3.0500	-41.932	-115.01	-215.77E-6
	32.00000	-2.00000	-2.80000	-4.3205	-3.0500	-42.006	-117.86	-163.19E-6
	34.00000	-2.00000	-2.80000	-4.2282	-3.0500	-21.014	-60.967	-41.511E-6
	36.00000	-2.00000	-2.80000	-1.6467	-3.0500	-0.016823	-3.2389	63.768E-6
	38.00000	-2.00000	-2.80000	-1.0497	-3.0500	-0.0018993	-1.1075	22.036E-6
	40.00000	-2.00000	-2.80000	-0.70992	-3.0500	-481.34E-6	-0.52609	10.493E-6
	42.00000	-2.00000	-2.80000	-0.43141	-3.0500	-170.17E-6	-0.29143	5.8183E-6
	44.00000	-2.00000	-2.80000	-0.28059	-3.0500	-72.639E-6	-0.17762	3.5481E-6
	46.00000	-2.00000	-2.80000	-0.18682	-3.0500	-35.144E-6	-0.11583	2.3145E-6
	48.00000	-2.00000	-2.80000	-0.12451	-3.0500	-18.625E-6	-0.079491	1.5887E-6
	50.00000	-2.00000	-2.80000	-0.081493	-3.0500	-10.586E-6	-0.056797	1.1353E-6
	52.00000	-2.00000	-2.80000	-0.051096	-3.0500	-6.3621E-6	-0.041931	0.0
	54.00000	-2.00000	-2.80000	-0.029345	-3.0500	-4.0025E-6	-0.031807	0.0
	56.00000	-2.00000	-2.80000	-0.013700	-3.0500	-2.6161E-6	-0.024684	0.0
	58.00000	-2.00000	-2.80000	-0.0024618	-3.0500	-1.7662E-6	-0.019533	0.0
	60.00000	-2.00000	-2.80000	0.0055526	-3.0500	-1.2262E-6	-0.015719	0.0
	-10.00000	0.00000	-2.80000	-0.0046011	-3.0500	-4.0856E-6	-0.026451	0.0
	-8.00000	0.00000	-2.80000	-0.012923	-3.0500	-6.3076E-6	-0.033463	0.0
	-6.00000	0.00000	-2.80000	-0.023363	-3.0500	-10.003E-6	-0.042805	0.0
	-4.00000	0.00000	-2.80000	-0.036093	-3.0500	-16.231E-6	-0.055205	1.1031E-6
	-2.00000	0.00000	-2.80000	-0.050952	-3.0500	-26.577E-6	-0.071255	1.4235E-6
	0.00000	0.00000	-2.80000	-0.067023	-3.0500	-42.498E-6	-0.090639	1.8102E-6
	2.00000	0.00000	-2.80000	-0.082125	-3.0500	-62.609E-6	-0.11062	2.2087E-6
	4.00000	0.00000	-2.80000	-0.092877	-3.0500	-79.194E-6	-0.12517	2.4987E-6
	6.00000	0.00000	-2.80000	-0.096286	-3.0500	-81.942E-6	-0.12782	2.5516E-6
	8.00000	0.00000	-2.80000	-0.092014	-3.0500	-68.153E-6	-0.11690	2.3338E-6
	10.00000	0.00000	-2.80000	-0.082873	-3.0500	-42.489E-6	-0.096088	1.9192E-6
	12.00000	0.00000	-2.80000	-0.073648	-3.0500	-9.3408E-6	-0.071200	1.4234E-6
	14.00000	0.00000	-2.80000	-0.070315	-3.0500	28.426E-6	-0.048933	0.0
	16.00000	0.00000	-2.80000	-0.080458	-3.0500	59.902E-6	-0.039577	0.0
	18.00000	0.00000	-2.80000	-0.11388	-3.0500	63.067E-6	-0.058930	1.1824E-6
	20.00000	0.00000	-2.80000	-0.18379	-3.0500	6.2572E-6	-0.13106	2.6215E-6
	22.00000	0.00000	-2.80000	-0.31241	-3.0500	-222.79E-6	-0.31121	6.2108E-6
	24.00000	0.00000	-2.80000	-0.54668	-3.0500	-0.0012948	-0.78228	15.568E-6
	26.00000	0.00000	-2.80000	-1.0036	-3.0500	-0.011748	-2.4935	49.164E-6
	28.00000	0.00000	-2.80000	-2.1313	-3.0500	-5.4555	-33.245	337.56E-6
	30.00000	0.00000	-2.80000	-3.9923	-3.0500	-41.973	-116.89	-180.59E-6
	32.00000	0.00000	-2.80000	-4.2980	-3.0500	-41.980	-117.49	-168.93E-6
	34.00000	0.00000	-2.80000	-4.1701	-3.0500	-20.999	-60.581	-48.324E-6
	36.00000	0.00000	-2.80000	-1.5975	-3.0500	-0.016512	-3.1660	62.328E-6
	38.00000	0.00000	-2.80000	-1.0131	-3.0500	-0.0018504	-1.0708	21.304E-6
	40.00000	0.00000	-2.80000	-0.68460	-3.0500	-463.48E-6	-0.50574	10.087E-6
	42.00000	0.00000	-2.80000	-0.41438	-3.0500	-162.82E-6	-0.28007	5.5917E-6
	44.00000	0.00000	-2.80000	-0.26925	-3.0500	-69.430E-6	-0.17113	3.4184E-6
	46.00000	0.00000	-2.80000	-0.17925	-3.0500	-33.657E-6	-0.11198	2.2375E-6
	48.00000	0.00000	-2.80000	-0.11943	-3.0500	-17.894E-6	-0.077117	1.5413E-6
	50.00000	0.00000	-2.80000	-0.078054	-3.0500	-10.206E-6	-0.055279	1.1050E-6
	52.00000	0.00000	-2.80000	-0.048756	-3.0500	-6.1546E-6	-0.040927	0.0
	54.00000	0.00000	-2.80000	-0.027748	-3.0500	-3.8838E-6	-0.031122	0.0
	56.00000	0.00000	-2.80000	-0.012611	-3.0500	-2.5454E-6	-0.024205	0.0
	58.00000	0.00000	-2.80000	-0.0017235	-3.0500	-1.7226E-6	-0.019190	0.0
	60.00000	0.00000	-2.80000	0.0060470	-3.0500	-1.1984E-6	-0.015469	0.0
	-10.00000	2.00000	-2.80000	-0.011266	-3.0500	-5.5027E-6	-0.031084	0.0
	-8.00000	2.00000	-2.80000	-0.022339	-3.0500	-9.0245E-6	-0.040653	0.0
	-6.00000	2.00000	-2.80000	-0.036756	-3.0500	-15.522E-6	-0.054301	1.0851E-6
	-4.00000	2.00000	-2.80000	-0.055274	-3.0500	-28.169E-6	-0.074153	1.4814E-6
	-2.00000	2.00000	-2.80000	-0.078473	-3.0500	-53.874E-6	-0.10326	2.0620E-6
	0.00000	2.00000	-2.80000	-0.10592	-3.0500	-105.46E-6	-0.14461	2.8859E-6
	2.00000	2.00000	-2.80000	-0.13418	-3.0500	-192.18E-6	-0.19563	3.9012E-6
	4.00000	2.00000	-2.80000	-0.15494	-3.0500	-280.07E-6	-0.23806	4.7445E-6
	6.00000	2.00000	-2.80000	-0.15875	-3.0500	-296.90E-6	-0.24510	4.8842E-6
	8.00000	2.00000	-2.80000	-0.14381	-3.0500	-236.04E-6	-0.21183	4.2224E-6
	10.00000	2.00000	-2.80000	-0.11630	-3.0500	-135.34E-6	-0.15287	3.0493E-6
	12.00000	2.00000	-2.80000	-0.084445	-3.0500	-5.6311E-6	-0.080829	1.6162E-6
	14.00000	2.00000	-2.80000	-0.056053	-3.0500	189.21E-6	-633.12E-6	0.0
	16.00000	2.00000	-2.80000	-0.041373	-3.0500	424.14E-6	0.070578	-1.3861E-6
	18.00000	2.00000	-2.80000	-0.054588	-3.0500	522.57E-6	0.092699	-1.8226E-6
	20.00000	2.00000	-2.80000	-0.10943	-3.0500	494.33E-6	0.043565	0.0
	22.00000	2.00000	-2.80000	-0.22582	-3.0500	285.66E-6	-0.12144	2.4460E-6
	24.00000	2.00000	-2.80000	-0.44778	-3.0500	-785.56E-6	-0.57995	11.552E-6
	26.00000	2.00000	-2.80000	-0.88776	-3.0500	-0.011239	-2.2695	44.716E-6
	28.00000	2.00000	-2.80000	-1.9880	-3.0500	-5.4549	-32.965	332.00E-6
	30.00000	2.00000	-2.80000	-3.8093	-3.0500	-41.971	-116.47	-188.92E-6
	32.00000	2.00000	-2.80000	-4.0887	-3.0500	-41.977	-116.96	-179.48E-6
	34.00000	2.00000	-2.80000	-3.9825	-3.0500	-20.997	-60.162	-56.597E-6
	36.00000	2.00000	-2.80000	-1.4640	-3.0500	-0.015989	-2.9471	57.983E-6
	38.00000	2.00000	-2.80000	-0.92758	-3.0500	-0.0016993	-0.96957	19.289E-6
	40.00000	2.00000	-2.80000	-0.63045	-3.0500	-415.71E-6	-0.45738	9.1226E-6
	42.00000	2.00000	-2.80000	-0.37999	-3.0500	-145.60E-6	-0.25541	5.0994E-6
	44.00000	2.00000	-2.80000	-0.24723	-3.0500	-62.475E-6	-0.15773	3.1508E-6
	46.00000	2.00000	-2.80000	-0.16493	-3.0500	-30.572E-6	-0.10428	2.0837E-6
	48.00000	2.00000	-2.80000	-0.10997	-3.0500	-16.417E-6	-0.072475	1.4485E-6
	50.00000	2.00000	-2.80000	-0.071716	-3.0500	-9.4516E-6	-0.052362	1.0467E-6
	52.00000	2.00000	-2.80000	-0.044470	-3.0500	-5.7475E-6	-0.039026	0.0
	54.00000	2.00000	-2.80000	-0.024836	-3.0500	-3.6535E-6	-0.029844	0.0
	56.00000	2.00000	-2.80000	-0.010633	-3.0500	-2.4096E-6	-0.023321	0.0
	58.00000	2.00000	-2.80000	-386.17E-6	-3.0500	-1.6396E-6	-0.018564	0.0
	60.00000	2.00000	-2.80000	0.0069410	-3.0500	-1.1461E-6	-0.015016	0.0
	-10.00000	4.00000	-2.80000	-0.018406	-3.0500	-7.2274E-6	-0.036199	0.0
	-8.00000	4.00000	-2.80000	-0.032721	-3.0500	-12.573E-6	-0.048991	0.0
	-6.00000	4.00000	-2.80000	-0.052131	-3.0500	-23.492E-6	-0.068541	1.3694E-6
	-4.00000	4.00000	-2.80000	-0.078598	-3.0500	-48.281E-6	-0.099945	1.9960E-6
	-2.00000	4.00000	-2.80000	-0.11488	-3.0500	-112.95E-6	-0.15355	3.0642E-6
	0.00000	4.00000	-2.80000	-0.16397	-3.0500	-310.06E-6	-0.25044	4.9902E-6
	2.00000	4.00000	-2.80000	-0.22428	-3.0500	-892.11E-6	-0.41765	8.2996E-6
	4.00000	4.00000	-2.80000	-0.27570	-3.0500	-0.0017483	-0.60150	11.925E-6
	6.00000	4.00000	-2.80000	-0.28322	-3.0500	-0.0018513	-0.62873	12.464E-6
	8.00000	4.00000	-2.80000	-0.24331	-3.0500	-0.0013659	-0.50301	9.9782E-6
	10.00000	4.00000	-2.80000	-0.17735	-3.0500	-769.28E-6	-0.31936	6.3410E-6
	12.00000	4.00000	-2.80000	-0.10183	-3.0500	-39.002E-6	-0.10599	2.1174E-6
	14.00000	4.00000	-2.80000	-0.024060	-3.0500	0.0017421	0.19036	-3.7026E-6
	16.00000	4.00000	-2.80000	0.047383	-3.0500	0.0084919	0.68657	-13.222E-6
	18.00000	4.00000	-2.80000	0.071079	-3.0500	0.0075298	0.78708	-15.290E-6
	20.00000	4.00000	-2.80000	0.041289	-3.0500	0.0068498	0.76062	-14.801E-6
	22.00000	4.00000	-2.80000	-0.049798	-3.0500	0.0091187	0.71312	-13.715E-6
	24.00000	4.00000	-2.80000	-0.24138	-3.0500	0.0064481	0.26118	-4.8366E-6
	26.00000	4.00000	-2.80000	-0.61458	-3.0500	-0.0031859	-1.1891	23.591E-6
	28.00000	4.00000	-2.80000	-1.5672	-3.0500	-5.4239	-30.509	284.74E-6
	30.00000	4.00000	-2.80000	-3.2521	-3.0500	-41.917	-112.71	-260.73E-6
	32.00000	4.00000	-2.80000	-3.5114	-3.0500	-41.923	-113.27	-249.94E-6
	34.00000	4.00000	-2.80000	-3.5225	-3.0500	-20.969	-58.004	-98.060E-6
	36.00000	4.00000	-2.80000	-1.2056	-3.0500	-0.013408	-2.3743	46.682E-6
	38.00000	4.00000	-2.80000	-0.78500	-3.0500	-0.0013358	-0.78487	15.617E-6
	40.00000	4.00000	-2.80000	-0.54544	-3.0500	-330.68E-6	-0.38169	7.6141E-6
	42.00000	4.00000	-2.80000	-0.32903	-3.0500	-118.86E-6	-0.21933	4.3794E-6
	44.00000	4.00000	-2.80000	-0.21587	-3.0500	-52.335E-6	-0.13870	2.7708E-6
	46.00000	4.00000	-2.80000	-0.14495	-3.0500	-26.205E-6	-0.093478	1.8680E-6
	48.00000	4.00000	-2.80000	-0.096877	-3.0500	-14.350E-6	-0.065995	1.3190E-6
	50.00000	4.00000	-2.80000	-0.062972	-3.0500	-8.4002E-6	-0.048294	0.0
	52.00000	4.00000	-2.80000	-0.038562	-3.0500	-5.1803E-6	-0.036375	0.0
	54.00000	4.00000	-2.80000	-0.020821	-3.0500	-3.3322E-6	-0.028061	0.0
	56.00000	4.00000	-2.80000	-0.0079037	-3.0500	-2.2199E-6	-0.022088	0.0
	58.00000	4.00000	-2.80000	0.0014595	-3.0500	-1.5236E-6	-0.017692	0.0
	60.00000	4.00000	-2.80000	0.0081748	-3.0500	-1.0728E-6	-0.014385	0.0
	-10.00000	6.00000	-2.80000	-0.025589	-3.0500	-9.1497E-6	-0.041475	0.0
	-8.00000	6.00000	-2.80000	-0.043432	-3.0500	-16.756E-6	-0.057962	1.1582E-6
	-6.00000	6.00000	-2.80000	-0.068567	-3.0500	-33.683E-6	-0.084748	1.6929E-6
	-4.00000	6.00000	-2.80000	-0.10488	-3.0500	-77.666E-6	-0.13186	2.6326E-6

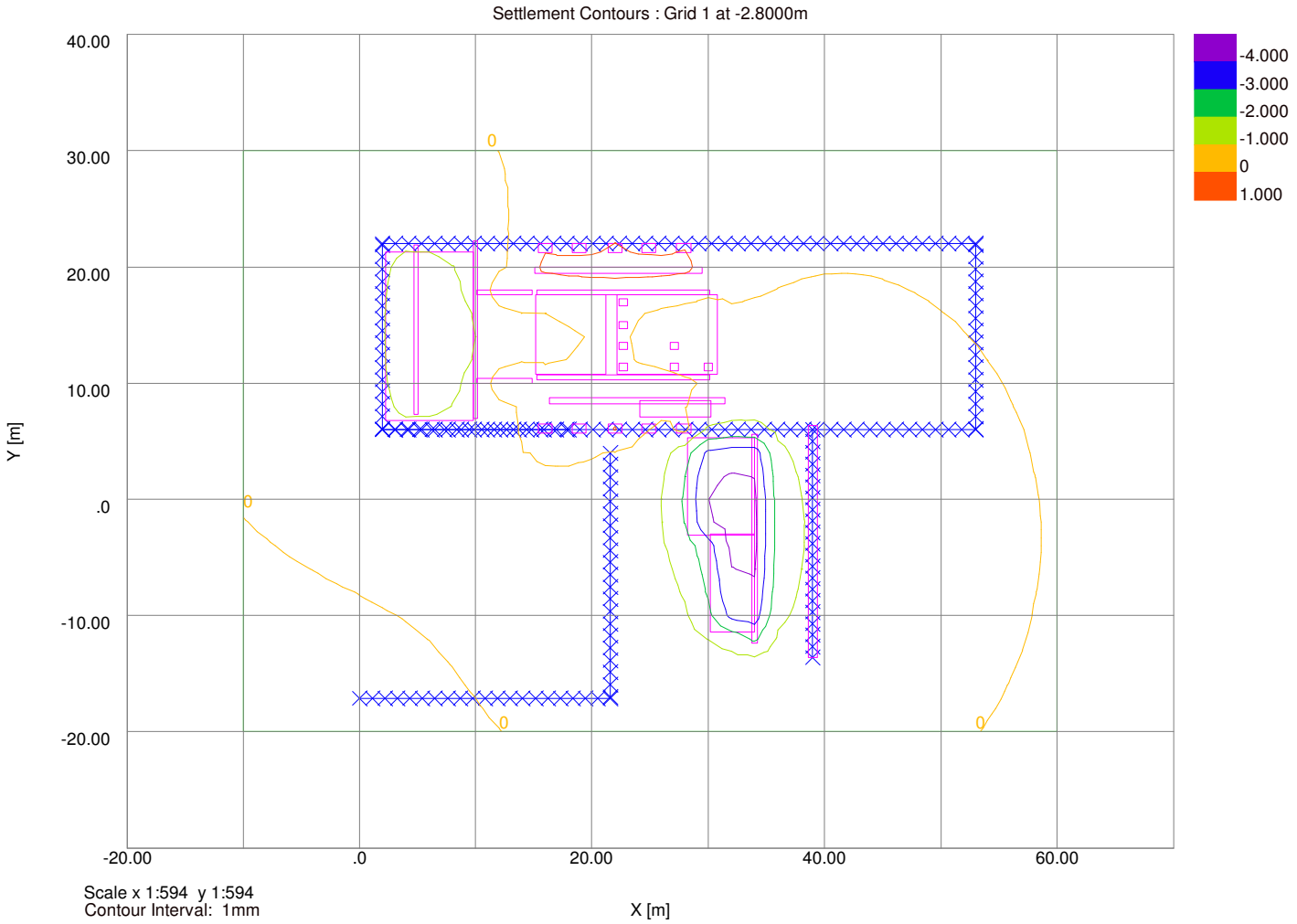
Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	-2.00000	6.00000	-2.80000	-0.15944	-3.0500	-224.87E-6	-0.22548	4.4962E-6
	0.00000	6.00000	-2.80000	-0.24609	-3.0500	-0.0010441	-0.45688	9.0749E-6
	2.00000	6.00000	-2.80000	-0.38899	-3.0500	-0.017769	-1.3693	26.319E-6
	4.00000	6.00000	-2.80000	-0.55835	-3.0500	-0.066844	-3.2691	61.371E-6
	6.00000	6.00000	-2.80000	-0.57402	-3.0500	-0.064695	-3.2816	61.751E-6
	8.00000	6.00000	-2.80000	-0.45614	-3.0500	-0.052684	-2.3839	44.517E-6
	10.00000	6.00000	-2.80000	-0.30184	-3.0500	-0.033139	-1.4590	27.191E-6
	12.00000	6.00000	-2.80000	-0.13223	-3.0500	-910.47E-6	-0.20917	4.1288E-6
	14.00000	6.00000	-2.80000	0.025050	-3.0500	0.013656	0.77884	-14.757E-6
	16.00000	6.00000	-2.80000	0.99145	-3.0500	36.034	67.975	802.57E-6
	18.00000	6.00000	-2.80000	0.36871	-3.0500	1.9870	12.337	-127.51E-6
	20.00000	6.00000	-2.80000	0.33718	-3.0500	0.52714	7.0342	-109.05E-6
	22.00000	6.00000	-2.80000	1.0342	-3.0500	36.041	68.711	788.27E-6
	24.00000	6.00000	-2.80000	0.15669	-3.0500	1.9798	11.816	-117.54E-6
	26.00000	6.00000	-2.80000	-0.16051	-3.0500	0.50908	5.2760	-74.975E-6
	28.00000	6.00000	-2.80000	0.14129	-3.0500	35.791	62.363	900.22E-6
	30.00000	6.00000	-2.80000	-1.1558	-3.0500	-0.33649	-9.0765	161.34E-6
	32.00000	6.00000	-2.80000	-1.3704	-3.0500	-0.34170	-9.8286	176.07E-6
	34.00000	6.00000	-2.80000	-1.3176	-3.0500	-0.17480	-5.7782	105.07E-6
	36.00000	6.00000	-2.80000	-0.81639	-3.0500	-0.0051546	-1.2985	25.661E-6
	38.00000	6.00000	-2.80000	-0.58266	-3.0500	-764.82E-6	-0.54005	10.755E-6
	40.00000	6.00000	-2.80000	-0.42022	-3.0500	-221.40E-6	-0.29016	5.7898E-6
	42.00000	6.00000	-2.80000	-0.26452	-3.0500	-86.850E-6	-0.17683	3.5314E-6
	44.00000	6.00000	-2.80000	-0.17804	-3.0500	-40.502E-6	-0.11637	2.3250E-6
	46.00000	6.00000	-2.80000	-0.12113	-3.0500	-21.134E-6	-0.080755	1.6138E-6
	48.00000	6.00000	-2.80000	-0.081283	-3.0500	-11.942E-6	-0.058302	1.1653E-6
	50.00000	6.00000	-2.80000	-0.052529	-3.0500	-7.1659E-6	-0.043424	0.0
	52.00000	6.00000	-2.80000	-0.031480	-3.0500	-4.5085E-6	-0.033177	0.0
	54.00000	6.00000	-2.80000	-0.015992	-3.0500	-2.9484E-6	-0.025894	0.0
	56.00000	6.00000	-2.80000	-0.0046120	-3.0500	-1.9915E-6	-0.020582	0.0
	58.00000	6.00000	-2.80000	0.0036896	-3.0500	-1.3829E-6	-0.016620	0.0
	60.00000	6.00000	-2.80000	0.0096665	-3.0500	0.0	-0.013607	0.0
	-10.00000	8.00000	-2.80000	-0.032247	-3.0500	-11.061E-6	-0.046435	0.0
	-8.00000	8.00000	-2.80000	-0.053539	-3.0500	-21.058E-6	-0.066659	1.3319E-6
	-6.00000	8.00000	-2.80000	-0.084464	-3.0500	-44.619E-6	-0.10105	2.0183E-6
	-4.00000	8.00000	-2.80000	-0.13116	-3.0500	-111.19E-6	-0.16554	3.3042E-6
	-2.00000	8.00000	-2.80000	-0.20630	-3.0500	-368.28E-6	-0.30738	6.1259E-6
	0.00000	8.00000	-2.80000	-0.34032	-3.0500	-0.0023821	-0.73909	14.639E-6
	2.00000	8.00000	-2.80000	-0.63849	-3.0500	-0.58053	-5.9709	84.586E-6
	4.00000	8.00000	-2.80000	-1.3456	-3.0500	-9.7314	-36.825	152.62E-6
	6.00000	8.00000	-2.80000	-1.3259	-3.0500	-9.3069	-32.701	95.615E-6
	8.00000	8.00000	-2.80000	-0.98004	-3.0500	-8.9865	-25.197	-35.249E-6
	10.00000	8.00000	-2.80000	-0.78470	-3.0500	-14.102	-28.706	-271.98E-6
	12.00000	8.00000	-2.80000	-0.15169	-3.0500	0.0018581	-0.058699	1.2855E-6
	14.00000	8.00000	-2.80000	0.048998	-3.0500	0.010034	0.90279	-17.454E-6
	16.00000	8.00000	-2.80000	0.32504	-3.0500	0.72423	8.6311	-129.17E-6
	18.00000	8.00000	-2.80000	0.74673	-3.0500	7.1340	37.335	-318.66E-6
	20.00000	8.00000	-2.80000	0.80646	-3.0500	7.1409	37.895	-329.44E-6
	22.00000	8.00000	-2.80000	0.77498	-3.0500	7.1454	37.988	-331.04E-6
	24.00000	8.00000	-2.80000	0.59368	-3.0500	5.5345	31.874	-305.40E-6
	26.00000	8.00000	-2.80000	0.22804	-3.0500	-1.6378	17.131	-440.89E-6
	28.00000	8.00000	-2.80000	0.016744	-3.0500	-1.6370	16.562	-429.46E-6
	30.00000	8.00000	-2.80000	-0.18515	-3.0500	-0.90969	18.783	-430.24E-6
	32.00000	8.00000	-2.80000	-0.46236	-3.0500	0.26969	3.2135	-48.089E-6
	34.00000	8.00000	-2.80000	-0.57015	-3.0500	-0.0016667	-0.77816	15.463E-6
	36.00000	8.00000	-2.80000	-0.47882	-3.0500	-950.87E-6	-0.54574	10.858E-6
	38.00000	8.00000	-2.80000	-0.37086	-3.0500	-319.58E-6	-0.32543	6.4895E-6
	40.00000	8.00000	-2.80000	-0.27756	-3.0500	-125.05E-6	-0.20357	4.0639E-6
	42.00000	8.00000	-2.80000	-0.19708	-3.0500	-56.956E-6	-0.13486	2.6938E-6
	44.00000	8.00000	-2.80000	-0.13837	-3.0500	-29.027E-6	-0.093630	1.8709E-6
	46.00000	8.00000	-2.80000	-0.095861	-3.0500	-16.072E-6	-0.067469	1.3484E-6
	48.00000	8.00000	-2.80000	-0.064545	-3.0500	-9.4794E-6	-0.050104	1.0015E-6
	50.00000	8.00000	-2.80000	-0.041209	-3.0500	-5.8770E-6	-0.038148	0.0
	52.00000	8.00000	-2.80000	-0.023741	-3.0500	-3.7945E-6	-0.029662	0.0
	54.00000	8.00000	-2.80000	-0.010681	-3.0500	-2.5341E-6	-0.023486	0.0
	56.00000	8.00000	-2.80000	-975.18E-6	-3.0500	-1.7417E-6	-0.018890	0.0
	58.00000	8.00000	-2.80000	0.0061606	-3.0500	-1.2272E-6	-0.015406	0.0
	60.00000	8.00000	-2.80000	0.011321	-3.0500	0.0	-0.012720	0.0
	-10.00000	10.00000	-2.80000	-0.037757	-3.0500	-12.701E-6	-0.050530	1.0098E-6
	-8.00000	10.00000	-2.80000	-0.061975	-3.0500	-24.787E-6	-0.073975	1.4780E-6
	-6.00000	10.00000	-2.80000	-0.097872	-3.0500	-54.088E-6	-0.11496	2.2960E-6
	-4.00000	10.00000	-2.80000	-0.153353	-3.0500	-139.37E-6	-0.19436	3.8789E-6
	-2.00000	10.00000	-2.80000	-0.24605	-3.0500	-476.14E-6	-0.37517	7.4749E-6
	0.00000	10.00000	-2.80000	-0.41690	-3.0500	-0.0030276	-0.93596	18.538E-6
	2.00000	10.00000	-2.80000	-0.79734	-3.0500	-0.58823	-6.7575	99.857E-6
	4.00000	10.00000	-2.80000	-1.6601	-3.0500	-9.8345	-40.581	221.55E-6
	6.00000	10.00000	-2.80000	-1.6367	-3.0500	-9.3767	-35.898	155.36E-6
	8.00000	10.00000	-2.80000	-1.1682	-3.0500	-9.0022	-26.351	-13.115E-6
	10.00000	10.00000	-2.80000	-0.71310	-3.0500	-8.3002	-14.161	-214.80E-6
	12.00000	10.00000	-2.80000	0.39676	-3.0500	22.322	44.954	440.25E-6
	14.00000	10.00000	-2.80000	0.58047	-3.0500	22.287	44.926	438.72E-6
	16.00000	10.00000	-2.80000	0.16214	-3.0500	-0.23612	0.61235	-26.414E-6
	18.00000	10.00000	-2.80000	0.29170	-3.0500	-0.21052	1.9016	-50.663E-6
	20.00000	10.00000	-2.80000	0.35332	-3.0500	-0.20648	2.3167	-58.722E-6
	22.00000	10.00000	-2.80000	0.36028	-3.0500	-0.18705	2.8763	-68.748E-6
	24.00000	10.00000	-2.80000	0.26956	-3.0500	-0.21545	2.0047	-53.022E-6
	26.00000	10.00000	-2.80000	0.16073	-3.0500	-0.21680	1.6768	-46.544E-6
	28.00000	10.00000	-2.80000	0.055903	-3.0500	-0.21188	1.6412	-45.536E-6
	30.00000	10.00000	-2.80000	-0.050428	-3.0500	-0.097483	2.2500	-50.848E-6
	32.00000	10.00000	-2.80000	-0.20571	-3.0500	0.020239	0.83066	-15.399E-6
	34.00000	10.00000	-2.80000	-0.28857	-3.0500	499.39E-6	-0.18925	3.8149E-6
	36.00000	10.00000	-2.80000	-0.27739	-3.0500	-173.79E-6	-0.24351	4.8597E-6
	38.00000	10.00000	-2.80000	-0.23377	-3.0500	-118.88E-6	-0.18875	3.7678E-6
	40.00000	10.00000	-2.80000	-0.18476	-3.0500	-63.729E-6	-0.13656	2.7273E-6
	42.00000	10.00000	-2.80000	-0.13938	-3.0500	-34.464E-6	-0.098901	1.9760E-6
	44.00000	10.00000	-2.80000	-0.10151	-3.0500	-19.522E-6	-0.072891	1.4566E-6
	46.00000	10.00000	-2.80000	-0.071444	-3.0500	-11.609E-6	-0.054827	1.0958E-6
	48.00000	10.00000	-2.80000	-0.047978	-3.0500	-7.2093E-6	-0.042055	0.0
	50.00000	10.00000	-2.80000	-0.029816	-3.0500	-4.6483E-6	-0.032838	0.0
	52.00000	10.00000	-2.80000	-0.015858	-3.0500	-3.0954E-6	-0.026056	0.0
	54.00000	10.00000	-2.80000	-0.0052234	-3.0500	-2.1196E-6	-0.020974	0.0
	56.00000	10.00000	-2.80000	0.0027854	-3.0500	-1.4872E-6	-0.017102	0.0
	58.00000	10.00000	-2.80000	0.0087249	-3.0500	-1.0662E-6	-0.014109	0.0
	60.00000	10.00000	-2.80000	0.013039	-3.0500	0.0	-0.011762	0.0
	-10.00000	12.00000	-2.80000	-0.041556	-3.0500	-13.832E-6	-0.053256	1.0643E-6
	-8.00000	12.00000	-2.80000	-0.067773	-3.0500	-27.348E-6	-0.078912	1.5766E-6
	-6.00000	12.00000	-2.80000	-0.10706	-3.0500	-60.420E-6	-0.12438	2.4839E-6
	-4.00000	12.00000	-2.80000	-0.16870	-3.0500	-156.79E-6	-0.21342	4.2591E-6
	-2.00000	12.00000	-2.80000	-0.27213	-3.0500	-530.69E-6	-0.41649	8.2979E-6
	0.00000	12.00000	-2.80000	-0.46282	-3.0500	-0.0032222	-1.0312	20.432E-6
	2.00000	12.00000	-2.80000	-0.87578	-3.0500	-0.58895	-6.9775	104.21E-6
	4.00000	12.00000	-2.80000	-1.7743	-3.0500	-9.8365	-40.999	229.78E-6
	6.00000	12.00000	-2.80000	-1.7546	-3.0500	-9.3787	-36.328	163.83E-6
	8.00000	12.00000	-2.80000	-1.2635	-3.0500	-9.0042	-26.700	-6.2492E-6
	10.00000	12.00000	-2.80000	-0.95373	-3.0500	-14.113	-29.501	-256.80E-6
	12.00000	12.00000	-2.80000	-0.23031	-3.0500	0.0098740	0.0093797	0.0
	14.00000	12.00000	-2.80000	-0.042000	-3.0500	0.010184	0.51521	-9.6932E-6
	16.00000	12.00000	-2.80000	-0.042769	-3.0500	-2.2350	-5.3333	-27.432E-6
	18.00000	12.00000	-2.80000	0.0058106	-3.0500	-2.2467	-5.6094	-22.614E-6
	20.00000	12.00000	-2.80000	0.057982	-3.0500	-2.2428	-5.3067	-28.434E-6
	22.00000	12.00000	-2.80000	0.16694	-3.0500	-0.20397	1.4182	-40.602E-6
	24.00000	12.00000	-2.80000	-0.033851	-3.0500	-4.4476	-10.029	-66.286E-6
	26.00000	12.00000	-2.80000	-0.098969	-3.0500	-4.4107	-9.7070	-70.503E-6
	28.00000	12.00000	-2.80000	-0.14331	-3.0500	-4.3174	-8.6671	-85.703E-6
	30.00000	12.00000	-2.80000	-0.14100	-3.0500	-2.2365	-0.46997	-124.79E-6
	32.00000	12.00000	-2.80000	-0.13915	-3.0500	-0.0019581	-0.10766	2.0357E-6
	34.00000	12.00000	-2.80000	-0.16240	-3.0500	10.723E-6	-0.11774	2.3554E-6
	36.00000	12.00000	-2.80000	-0.16188	-3.0500	-53.170E-6	-0.12850	2.5669E-6
	38.00000	12.00000	-2.80000	-0.14435	-3.0500	-47.483E-6	-0.11229	2.2430E-6
	40.00000	12.00000	-2.80000	-0.11958	-3.0500	-31.690E-6	-0.090402	1.8061E-6
	42.00000	12.00000	-2.80000	-0.093692	-3.0500	-19.923E-6	-0.070916	1.4171E-6
	44.00000	12.00000	-2.80000	-0.069888	-3.0500	-12.532E-6	-0.055449	1.1082E-6
	46.00000	12.00000	-2.80000	-0.049463	-3.0500	-8.0379E-6	-0.043614	0.0
	48.00000	12.00000	-2.80000	-0.032602	-3.0500	-5.2830E-6	-0.034632	0.0
	50.00000	12.00000	-2.80000	-0.019018	-3.0500	-3.5593E-6	-0.027794	0.0
	52.00000	12.00000	-2.80000	-0.0082738	-3.0500	-2.4544E-6	-0.022548	0.0
	54.00000	12.00000	-2.80000	82.560E-6	-3.0500	-1.7291E-6	-0.018483	0.0
	56.00000	12.00000	-2.80000	0.0064671	-3.0500	-1.2421E-6	-0.015300	0.0
	58.00000	12.00000	-2.80000	0.011245	-3.0500	0.0	-0.012783	0.0
	60.00000	12.00000	-2.80000	0.014727	-3.0500	0.0	-0.010772	0.0
	-10.00000	14.00000	-2.80000	-0.043250	-3.0500	-14.298E-6	-0.054263	1.0844E-6

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-8.00000	14.00000	-2.80000	-0.070268	-3.0500	-28.398E-6	-0.080810	1.6145E-6
	-6.00000	14.00000	-2.80000	-0.11091	-3.0500	-62.956E-6	-0.12807	2.5576E-6
	-4.00000	14.00000	-2.80000	-0.17490	-3.0500	-163.35E-6	-0.22086	4.4074E-6
	-2.00000	14.00000	-2.80000	-0.28242	-3.0500	-548.54E-6	-0.43182	8.6035E-6
	0.00000	14.00000	-2.80000	-0.47984	-3.0500	-0.0032707	-1.0625	21.053E-6
	2.00000	14.00000	-2.80000	-0.90204	-3.0500	-0.58907	-7.0355	105.37E-6
	4.00000	14.00000	-2.80000	-1.8086	-3.0500	-9.8367	-41.085	231.49E-6
	6.00000	14.00000	-2.80000	-1.7899	-3.0500	-9.3789	-36.421	165.68E-6
	8.00000	14.00000	-2.80000	-1.2962	-3.0500	-9.0048	-26.819	-3.9158E-6
	10.00000	14.00000	-2.80000	-0.99793	-3.0500	-14.121	-29.965	-247.97E-6
	12.00000	14.00000	-2.80000	-0.28832	-3.0500	-0.0059981	-0.84729	16.586E-6
	14.00000	14.00000	-2.80000	-0.093568	-3.0500	-0.0038545	-0.25448	4.8583E-6
	16.00000	14.00000	-2.80000	-0.080937	-3.0500	-2.2380	-5.6850	-20.582E-6
	18.00000	14.00000	-2.80000	-0.036823	-3.0500	-2.2485	-5.9462	-15.989E-6
	20.00000	14.00000	-2.80000	0.015895	-3.0500	-2.2445	-5.6542	-21.587E-6
	22.00000	14.00000	-2.80000	0.12918	-3.0500	-0.37380	0.26472	-27.722E-6
	24.00000	14.00000	-2.80000	-0.066693	-3.0500	-4.4570	-10.552	-56.374E-6
	26.00000	14.00000	-2.80000	-0.14662	-3.0500	-4.4551	-11.021	-46.879E-6
	28.00000	14.00000	-2.80000	-0.19176	-3.0500	-4.4173	-10.633	-52.378E-6
	30.00000	14.00000	-2.80000	-0.23479	-3.0500	-4.4709	-11.377	-40.707E-6
	32.00000	14.00000	-2.80000	-0.097265	-3.0500	-0.0072776	-0.43319	8.2271E-6
	34.00000	14.00000	-2.80000	-0.090236	-3.0500	-212.67E-6	-0.10085	2.0043E-6
	36.00000	14.00000	-2.80000	-0.090155	-3.0500	-38.574E-6	-0.076509	1.5279E-6
	38.00000	14.00000	-2.80000	-0.083958	-3.0500	-22.202E-6	-0.068639	1.3715E-6
	40.00000	14.00000	-2.80000	-0.072396	-3.0500	-15.868E-6	-0.059640	1.1918E-6
	42.00000	14.00000	-2.80000	-0.058307	-3.0500	-11.181E-6	-0.050178	1.0029E-6
	44.00000	14.00000	-2.80000	-0.043946	-3.0500	-7.7529E-6	-0.041521	0.0
	46.00000	14.00000	-2.80000	-0.030649	-3.0500	-5.3691E-6	-0.034156	0.0
	48.00000	14.00000	-2.80000	-0.019034	-3.0500	-3.7474E-6	-0.028106	0.0
	50.00000	14.00000	-2.80000	-0.0092792	-3.0500	-2.6478E-6	-0.023213	0.0
	52.00000	14.00000	-2.80000	-0.0013245	-3.0500	-1.8972E-6	-0.019277	0.0
	54.00000	14.00000	-2.80000	0.0049991	-3.0500	-1.3791E-6	-0.016109	0.0
	56.00000	14.00000	-2.80000	0.0099027	-3.0500	-1.0167E-6	-0.013552	0.0
	58.00000	14.00000	-2.80000	0.013603	-3.0500	0.0	-0.011477	0.0
	60.00000	14.00000	-2.80000	0.016304	-3.0500	0.0	-0.0097833	0.0
	-10.00000	16.00000	-2.80000	-0.042672	-3.0500	-14.035E-6	-0.053409	1.0673E-6
	-8.00000	16.00000	-2.80000	-0.069186	-3.0500	-27.819E-6	-0.079412	1.5866E-6
	-6.00000	16.00000	-2.80000	-0.10899	-3.0500	-61.578E-6	-0.12563	2.5089E-6
	-4.00000	16.00000	-2.80000	-0.17156	-3.0500	-159.84E-6	-0.21635	4.3174E-6
	-2.00000	16.00000	-2.80000	-0.27670	-3.0500	-539.22E-6	-0.42312	8.4300E-6
	0.00000	16.00000	-2.80000	-0.47037	-3.0500	-0.0032468	-1.0458	20.722E-6
	2.00000	16.00000	-2.80000	-0.88761	-3.0500	-0.58902	-7.0067	104.79E-6
	4.00000	16.00000	-2.80000	-1.7895	-3.0500	-9.8366	-41.043	230.67E-6
	6.00000	16.00000	-2.80000	-1.7678	-3.0500	-9.3788	-36.371	164.69E-6
	8.00000	16.00000	-2.80000	-1.2690	-3.0500	-9.0043	-26.725	-5.7604E-6
	10.00000	16.00000	-2.80000	-0.94875	-3.0500	-14.113	-29.503	-256.75E-6
	12.00000	16.00000	-2.80000	-0.21210	-3.0500	0.0099413	0.037159	0.0
	14.00000	16.00000	-2.80000	-0.0085308	-3.0500	0.010387	0.58429	-11.069E-6
	16.00000	16.00000	-2.80000	-444.49E-6	-3.0500	-2.2349	-5.2665	-28.765E-6
	18.00000	16.00000	-2.80000	0.047524	-3.0500	-2.2472	-5.6106	-22.619E-6
	20.00000	16.00000	-2.80000	0.10338	-3.0500	-2.2434	-5.3414	-27.778E-6
	22.00000	16.00000	-2.80000	0.21153	-3.0500	-0.44197	-0.087044	-24.777E-6
	24.00000	16.00000	-2.80000	0.026785	-3.0500	-4.4611	-10.347	-60.724E-6
	26.00000	16.00000	-2.80000	-0.074924	-3.0500	-4.4942	-11.639	-36.874E-6
	28.00000	16.00000	-2.80000	-0.13715	-3.0500	-4.4948	-11.811	-33.474E-6
	30.00000	16.00000	-2.80000	-0.16536	-3.0500	-4.4710	-11.302	-42.220E-6
	32.00000	16.00000	-2.80000	-0.035885	-3.0500	-0.0072289	-0.37990	7.1643E-6
	34.00000	16.00000	-2.80000	-0.034157	-3.0500	-200.31E-6	-0.059282	1.1736E-6
	36.00000	16.00000	-2.80000	-0.039991	-3.0500	-23.036E-6	-0.041040	0.0
	38.00000	16.00000	-2.80000	-0.041341	-3.0500	-9.4524E-6	-0.040469	0.0
	40.00000	16.00000	-2.80000	-0.037841	-3.0500	-7.3392E-6	-0.038635	0.0
	42.00000	16.00000	-2.80000	-0.031254	-3.0500	-5.9169E-6	-0.035025	0.0
	44.00000	16.00000	-2.80000	-0.023286	-3.0500	-4.5823E-6	-0.030716	0.0
	46.00000	16.00000	-2.80000	-0.015143	-3.0500	-3.4556E-6	-0.026448	0.0
	48.00000	16.00000	-2.80000	-0.0075447	-3.0500	-2.5766E-6	-0.022569	0.0
	50.00000	16.00000	-2.80000	-859.28E-6	-3.0500	-1.9179E-6	-0.019195	0.0
	52.00000	16.00000	-2.80000	0.0047763	-3.0500	-1.4329E-6	-0.016328	0.0
	54.00000	16.00000	-2.80000	0.0093615	-3.0500	-1.0777E-6	-0.013920	0.0
	56.00000	16.00000	-2.80000	0.012970	-3.0500	0.0	-0.011907	0.0
	58.00000	16.00000	-2.80000	0.015711	-3.0500	0.0	-0.010228	0.0
	60.00000	16.00000	-2.80000	0.017706	-3.0500	0.0	-0.0088241	0.0
	-10.00000	18.00000	-2.80000	-0.039912	-3.0500	-13.077E-6	-0.050774	1.0147E-6
	-8.00000	18.00000	-2.80000	-0.064678	-3.0500	-25.668E-6	-0.074857	1.4956E-6
	-6.00000	18.00000	-2.80000	-0.10153	-3.0500	-56.314E-6	-0.11727	2.3421E-6
	-4.00000	18.00000	-2.80000	-0.15897	-3.0500	-145.61E-6	-0.19998	3.9908E-6
	-2.00000	18.00000	-2.80000	-0.25501	-3.0500	-496.32E-6	-0.38897	7.7495E-6
	0.00000	18.00000	-2.80000	-0.43297	-3.0500	-0.0031066	-0.97177	19.249E-6
	2.00000	18.00000	-2.80000	-0.82688	-3.0500	-0.58860	-6.8553	101.79E-6
	4.00000	18.00000	-2.80000	-1.7063	-3.0500	-9.8358	-40.804	225.92E-6
	6.00000	18.00000	-2.80000	-1.6786	-3.0500	-9.3779	-36.110	159.53E-6
	8.00000	18.00000	-2.80000	-1.1865	-3.0500	-9.0026	-26.444	-11.269E-6
	10.00000	18.00000	-2.80000	-0.70673	-3.0500	-8.3004	-14.185	-214.32E-6
	12.00000	18.00000	-2.80000	0.43396	-3.0500	22.322	45.027	438.81E-6
	14.00000	18.00000	-2.80000	0.66659	-3.0500	22.292	45.352	430.47E-6
	16.00000	18.00000	-2.80000	0.23841	-3.0500	-2.3257	-2.0979	-97.585E-6
	18.00000	18.00000	-2.80000	0.32544	-3.0500	-2.3517	-2.3657	-93.788E-6
	20.00000	18.00000	-2.80000	0.38698	-3.0500	-2.3500	-2.1613	-97.776E-6
	22.00000	18.00000	-2.80000	0.43502	-3.0500	-2.2621	-0.84259	-118.87E-6
	24.00000	18.00000	-2.80000	0.37905	-3.0500	-2.4148	-2.6096	-92.694E-6
	26.00000	18.00000	-2.80000	0.29895	-3.0500	-2.4295	-3.3224	-79.324E-6
	28.00000	18.00000	-2.80000	0.20365	-3.0500	-2.4332	-3.7862	-70.266E-6
	30.00000	18.00000	-2.80000	0.082220	-3.0500	-1.8540	-3.6226	-38.791E-6
	32.00000	18.00000	-2.80000	0.049538	-3.0500	-0.0017600	0.012067	0.0
	34.00000	18.00000	-2.80000	0.015191	-3.0500	-10.777E-6	0.011302	0.0
	36.00000	18.00000	-2.80000	-0.0025242	-3.0500	5.4818E-6	-0.010201	0.0
	38.00000	18.00000	-2.80000	-0.010533	-3.0500	0.0	-0.020302	0.0
	40.00000	18.00000	-2.80000	-0.012520	-3.0500	-2.0239E-6	-0.023846	0.0
	42.00000	18.00000	-2.80000	-0.010871	-3.0500	-2.6317E-6	-0.023983	0.0
	44.00000	18.00000	-2.80000	-0.0072448	-3.0500	-2.4948E-6	-0.022483	0.0
	46.00000	18.00000	-2.80000	-0.0027658	-3.0500	-2.1181E-6	-0.020318	0.0
	48.00000	18.00000	-2.80000	0.0018418	-3.0500	-1.7124E-6	-0.017996	0.0
	50.00000	18.00000	-2.80000	0.0061475	-3.0500	-1.3533E-6	-0.015768	0.0
	52.00000	18.00000	-2.80000	0.0099236	-3.0500	-1.0592E-6	-0.013742	0.0
	54.00000	18.00000	-2.80000	0.013076	-3.0500	0.0	-0.011954	0.0
	56.00000	18.00000	-2.80000	0.015592	-3.0500	0.0	-0.010400	0.0
	58.00000	18.00000	-2.80000	0.017509	-3.0500	0.0	-0.0090621	0.0
	60.00000	18.00000	-2.80000	0.018889	-3.0500	0.0	-0.0079154	0.0
	-10.00000	20.00000	-2.80000	-0.035305	-3.0500	-11.552E-6	-0.046655	0.0
	-8.00000	20.00000	-2.80000	-0.057300	-3.0500	-22.214E-6	-0.067693	1.3525E-6
	-6.00000	20.00000	-2.80000	-0.089452	-3.0500	-47.595E-6	-0.10394	2.0760E-6
	-4.00000	20.00000	-2.80000	-0.13850	-3.0500	-119.99E-6	-0.17295	3.4518E-6
	-2.00000	20.00000	-2.80000	-0.21858	-3.0500	-401.02E-6	-0.32713	6.5186E-6
	0.00000	20.00000	-2.80000	-0.36422	-3.0500	-0.0025699	-0.80143	15.874E-6
	2.00000	20.00000	-2.80000	-0.69366	-3.0500	-0.58325	-6.2655	90.315E-6
	4.00000	20.00000	-2.80000	-1.4913	-3.0500	-9.8188	-39.430	199.47E-6
	6.00000	20.00000	-2.80000	-1.4548	-3.0500	-9.3611	-34.710	132.53E-6
	8.00000	20.00000	-2.80000	-1.0232	-3.0500	-8.9915	-25.560	-28.297E-6
	10.00000	20.00000	-2.80000	-0.78918	-3.0500	-14.112	-29.043	-265.86E-6
	12.00000	20.00000	-2.80000	-0.10387	-3.0500	0.0018572	0.0066473	0.0
	14.00000	20.00000	-2.80000	0.19387	-3.0500	0.052250	2.4218	-45.302E-6
	16.00000	20.00000	-2.80000	1.2477	-3.0500	30.549	75.335	326.22E-6
	18.00000	20.00000	-2.80000	1.4270	-3.0500	30.623	77.471	287.99E-6
	20.00000	20.00000	-2.80000	1.4913	-3.0500	30.620	77.559	286.05E-6
	22.00000	20.00000	-2.80000	1.5228	-3.0500	30.637	77.979	278.63E-6
	24.00000	20.00000	-2.80000	1.5033	-3.0500	30.624	77.666	284.15E-6
	26.00000	20.00000	-2.80000	1.4467	-3.0500	30.620	77.380	289.61E-6
	28.00000	20.00000	-2.80000	1.3259	-3.0500	30.621	76.731	302.63E-6
	30.00000	20.00000	-2.80000	0.34752	-3.0500	0.57372	7.0295	-106.17E-6
	32.00000	20.00000	-2.80000	0.11577	-3.0500	0.0018304	0.33186	-6.5273E-6
	34.00000	20.00000	-2.80000	0.050932	-3.0500	151.00E-6	0.067498	-1.3409E-6
	36.00000	20.00000	-2.80000	0.023816	-3.0500	29.136E-6	0.012187	0.0
	38.00000	20.00000	-2.80000	0.011155	-3.0500	7.2769E-6	-0.0063998	0.0
	40.00000	20.00000	-2.80000	0.0056417	-3.0500	1.3128E-6	-0.013585	0.0
	42.00000	20.00000	-2.80000	0.0041208	-3.0500	0.0	-0.016057	0.0
	44.00000	20.00000	-2.80000	0.0048646	-3.0500	-1.1433E-6	-0.016324	0.0
	46.00000	20.00000	-2.80000	0.0068022	-3.0500	-1.2060E-6	-0.015543	0.0
	48.00000	20.00000	-2.80000	0.0092466	-3.0500	-1.0924E-6	-0.014302	0.0
	50.00000	20.00000	-2.80000	0.011765	-3.0500	0.0	-0.012909	0.0
	52.00000	20.00000	-2.80000	0.014098	-3.0500	0.0	-0.011524	0.0
	54.00000	20.00000	-2.80000	0.016108	-3.0500	0.0	-0.010226	0.0
	56.00000	20.00000	-2.80000	0.017734	-3.0500	0.0	-0.0090475	0.0

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 [-]
	58.00000	20.00000	-2.80000	0.018966	-3.0500	0.0	-0.0079972	0.0
	60.00000	20.00000	-2.80000	0.019827	-3.0500	0.0	-0.0070717	0.0
	-10.00000	22.00000	-2.80000	-0.029374	-3.0500	-9.6782E-6	-0.041527	0.0
	-8.00000	22.00000	-2.80000	-0.047950	-3.0500	-17.989E-6	-0.058842	1.1758E-6
	-6.00000	22.00000	-2.80000	-0.074337	-3.0500	-36.830E-6	-0.087542	1.7486E-6
	-4.00000	22.00000	-2.80000	-0.11302	-3.0500	-86.939E-6	-0.13933	2.7814E-6
	-2.00000	22.00000	-2.80000	-0.17261	-3.0500	-259.77E-6	-0.24589	4.9023E-6
	0.00000	22.00000	-2.80000	-0.27139	-3.0500	-0.0012591	-0.52378	10.400E-6
	2.00000	22.00000	-2.80000	-0.44966	-3.0500	-0.025472	-1.7645	33.763E-6
	4.00000	22.00000	-2.80000	-0.75582	-3.0500	-0.38880	-8.8971	154.61E-6
	6.00000	22.00000	-2.80000	-0.74032	-3.0500	-0.22579	-7.0691	127.83E-6
	8.00000	22.00000	-2.80000	-0.50591	-3.0500	-0.078963	-3.0426	56.115E-6
	10.00000	22.00000	-2.80000	-0.57200	-3.0500	-12.095	-20.083	-324.03E-6
	12.00000	22.00000	-2.80000	-0.086016	-3.0500	-0.0024579	-0.24784	4.8093E-6
	14.00000	22.00000	-2.80000	0.13150	-3.0500	0.014508	1.0382	-19.894E-6
	16.00000	22.00000	-2.80000	0.81287	-3.0500	19.358	42.596	309.58E-6
	18.00000	22.00000	-2.80000	0.53990	-3.0500	1.2366	10.011	-126.02E-6
	20.00000	22.00000	-2.80000	0.56579	-3.0500	0.37602	6.4960	-107.36E-6
	22.00000	22.00000	-2.80000	1.0159	-3.0500	19.363	43.311	295.56E-6
	24.00000	22.00000	-2.80000	0.61299	-3.0500	1.2370	10.164	-129.06E-6
	26.00000	22.00000	-2.80000	0.54599	-3.0500	0.37937	6.4997	-107.23E-6
	28.00000	22.00000	-2.80000	0.87973	-3.0500	19.295	42.429	309.10E-6
	30.00000	22.00000	-2.80000	0.25033	-3.0500	0.013989	1.2271	-23.703E-6
	32.00000	22.00000	-2.80000	0.12364	-3.0500	936.94E-6	0.26162	-5.1762E-6
	34.00000	22.00000	-2.80000	0.066493	-3.0500	142.96E-6	0.075411	-1.4996E-6
	36.00000	22.00000	-2.80000	0.039154	-3.0500	33.549E-6	0.021505	0.0
	38.00000	22.00000	-2.80000	0.025183	-3.0500	9.8629E-6	0.0014571	0.0
	40.00000	22.00000	-2.80000	0.018033	-3.0500	2.9528E-6	-0.0070041	0.0
	42.00000	22.00000	-2.80000	0.014729	-3.0500	0.0	-0.010585	0.0
	44.00000	22.00000	-2.80000	0.013683	-3.0500	0.0	-0.011834	0.0
	46.00000	22.00000	-2.80000	0.013935	-3.0500	0.0	-0.011903	0.0
	48.00000	22.00000	-2.80000	0.014871	-3.0500	0.0	-0.011376	0.0
	50.00000	22.00000	-2.80000	0.016091	-3.0500	0.0	-0.010570	0.0
	52.00000	22.00000	-2.80000	0.017342	-3.0500	0.0	-0.0096575	0.0
	54.00000	22.00000	-2.80000	0.018470	-3.0500	0.0	-0.0087359	0.0
	56.00000	22.00000	-2.80000	0.019393	-3.0500	0.0	-0.0078555	0.0
	58.00000	22.00000	-2.80000	0.020076	-3.0500	0.0	-0.0070408	0.0
	60.00000	22.00000	-2.80000	0.020514	-3.0500	0.0	-0.0063013	0.0
	-10.00000	24.00000	-2.80000	-0.022737	-3.0500	-7.7182E-6	-0.035943	0.0
	-8.00000	24.00000	-2.80000	-0.037697	-3.0500	-13.687E-6	-0.049422	0.0
	-6.00000	24.00000	-2.80000	-0.058141	-3.0500	-26.214E-6	-0.070554	1.4095E-6
	-4.00000	24.00000	-2.80000	-0.086458	-3.0500	-55.734E-6	-0.10568	2.1103E-6
	-2.00000	24.00000	-2.80000	-0.12638	-3.0500	-137.26E-6	-0.16869	3.3656E-6
	0.00000	24.00000	-2.80000	-0.18315	-3.0500	-412.56E-6	-0.29249	5.8251E-6
	2.00000	24.00000	-2.80000	-0.25954	-3.0500	-0.0014673	-0.54714	10.855E-6
	4.00000	24.00000	-2.80000	-0.33399	-3.0500	-0.0048085	-0.96336	18.979E-6
	6.00000	24.00000	-2.80000	-0.33366	-3.0500	-0.0045829	-0.96819	19.089E-6
	8.00000	24.00000	-2.80000	-0.25924	-3.0500	-0.0021561	-0.64395	12.750E-6
	10.00000	24.00000	-2.80000	-0.16231	-3.0500	-0.0020572	-0.41635	8.2035E-6
	12.00000	24.00000	-2.80000	-0.050073	-3.0500	-263.13E-6	-0.096879	1.9218E-6
	14.00000	24.00000	-2.80000	0.066386	-3.0500	0.0014069	0.24828	-4.8811E-6
	16.00000	24.00000	-2.80000	0.17580	-3.0500	0.0050123	0.67000	-13.099E-6
	18.00000	24.00000	-2.80000	0.24837	-3.0500	0.0050483	0.82805	-16.258E-6
	20.00000	24.00000	-2.80000	0.28847	-3.0500	0.0048284	0.88088	-17.328E-6
	22.00000	24.00000	-2.80000	0.30769	-3.0500	0.0057711	0.94370	-18.528E-6
	24.00000	24.00000	-2.80000	0.30554	-3.0500	0.0052090	0.91602	-18.008E-6
	26.00000	24.00000	-2.80000	0.28250	-3.0500	0.0048229	0.84738	-16.658E-6
	28.00000	24.00000	-2.80000	0.23626	-3.0500	0.0050265	0.72877	-14.274E-6
	30.00000	24.00000	-2.80000	0.16473	-3.0500	0.0014907	0.36294	-7.1693E-6
	32.00000	24.00000	-2.80000	0.10459	-3.0500	311.52E-6	0.14412	-2.8636E-6
	34.00000	24.00000	-2.80000	0.067338	-3.0500	81.810E-6	0.057006	-1.1352E-6
	36.00000	24.00000	-2.80000	0.045678	-3.0500	25.587E-6	0.020753	0.0
	38.00000	24.00000	-2.80000	0.033103	-3.0500	9.0085E-6	0.0044514	0.0
	40.00000	24.00000	-2.80000	0.025847	-3.0500	3.2784E-6	-0.0033080	0.0
	42.00000	24.00000	-2.80000	0.021822	-3.0500	1.0548E-6	-0.0070243	0.0
	44.00000	24.00000	-2.80000	0.019803	-3.0500	0.0	-0.0086655	0.0
	46.00000	24.00000	-2.80000	0.019017	-3.0500	0.0	-0.0091886	0.0
	48.00000	24.00000	-2.80000	0.018953	-3.0500	0.0	-0.0091005	0.0
	50.00000	24.00000	-2.80000	0.019269	-3.0500	0.0	-0.0086858	0.0
	52.00000	24.00000	-2.80000	0.019736	-3.0500	0.0	-0.0081098	0.0
	54.00000	24.00000	-2.80000	0.020208	-3.0500	0.0	-0.0074692	0.0
	56.00000	24.00000	-2.80000	0.020595	-3.0500	0.0	-0.0068201	0.0
	58.00000	24.00000	-2.80000	0.020850	-3.0500	0.0	-0.0061941	0.0
	60.00000	24.00000	-2.80000	0.020953	-3.0500	0.0	-0.0056077	0.0
	-10.00000	26.00000	-2.80000	-0.015994	-3.0500	-5.9028E-6	-0.030422	0.0
	-8.00000	26.00000	-2.80000	-0.027541	-3.0500	-9.8974E-6	-0.040434	0.0
	-6.00000	26.00000	-2.80000	-0.042630	-3.0500	-17.513E-6	-0.055121	1.1014E-6
	-4.00000	26.00000	-2.80000	-0.062209	-3.0500	-33.026E-6	-0.077289	1.5438E-6
	-2.00000	26.00000	-2.80000	-0.087213	-3.0500	-66.772E-6	-0.11150	2.2261E-6
	0.00000	26.00000	-2.80000	-0.11769	-3.0500	-142.48E-6	-0.16393	3.2701E-6
	2.00000	26.00000	-2.80000	-0.15010	-3.0500	-296.65E-6	-0.23630	4.7083E-6
	4.00000	26.00000	-2.80000	-0.17270	-3.0500	-495.73E-6	-0.30351	6.0404E-6
	6.00000	26.00000	-2.80000	-0.16888	-3.0500	-510.00E-6	-0.30662	6.1018E-6
	8.00000	26.00000	-2.80000	-0.10632	-3.0500	-356.33E-6	-0.24335	4.8457E-6
	10.00000	26.00000	-2.80000	-0.085687	-3.0500	-205.50E-6	-0.15437	3.0750E-6
	12.00000	26.00000	-2.80000	-0.025625	-3.0500	-26.860E-6	-0.050766	1.0137E-6
	14.00000	26.00000	-2.80000	0.036694	-3.0500	185.43E-6	0.059787	-1.1846E-6
	16.00000	26.00000	-2.80000	0.093307	-3.0500	400.93E-6	0.16169	-3.2098E-6
	18.00000	26.00000	-2.80000	0.13644	-3.0500	514.98E-6	0.23086	-4.5862E-6
	20.00000	26.00000	-2.80000	0.16402	-3.0500	555.50E-6	0.26792	-5.3250E-6
	22.00000	26.00000	-2.80000	0.17764	-3.0500	573.97E-6	0.28351	-5.6358E-6
	24.00000	26.00000	-2.80000	0.17847	-3.0500	567.31E-6	0.28012	-5.5684E-6
	26.00000	26.00000	-2.80000	0.16696	-3.0500	524.93E-6	0.25562	-5.0809E-6
	28.00000	26.00000	-2.80000	0.14399	-3.0500	423.87E-6	0.20638	-4.1021E-6
	30.00000	26.00000	-2.80000	0.11356	-3.0500	240.37E-6	0.13622	-2.7100E-6
	32.00000	26.00000	-2.80000	0.084397	-3.0500	101.45E-6	0.075061	-1.4951E-6
	34.00000	26.00000	-2.80000	0.062101	-3.0500	40.093E-6	0.036997	0.0
	36.00000	26.00000	-2.80000	0.046778	-3.0500	16.220E-6	0.015929	0.0
	38.00000	26.00000	-2.80000	0.036700	-3.0500	6.7988E-6	0.0045492	0.0
	40.00000	26.00000	-2.80000	0.030231	-3.0500	2.8692E-6	-0.0015916	0.0
	42.00000	26.00000	-2.80000	0.026192	-3.0500	1.1338E-6	-0.0048598	0.0
	44.00000	26.00000	-2.80000	0.023775	-3.0500	0.0	-0.0065041	0.0
	46.00000	26.00000	-2.80000	0.022423	-3.0500	0.0	-0.0072067	0.0
	48.00000	26.00000	-2.80000	0.021744	-3.0500	0.0	-0.0073577	0.0
	50.00000	26.00000	-2.80000	0.021462	-3.0500	0.0	-0.0071891	0.0
	52.00000	26.00000	-2.80000	0.021387	-3.0500	0.0	-0.0068425	0.0
	54.00000	26.00000	-2.80000	0.021387	-3.0500	0.0	-0.0064052	0.0
	56.00000	26.00000	-2.80000	0.021379	-3.0500	0.0	-0.0059311	0.0
	58.00000	26.00000	-2.80000	0.021313	-3.0500	0.0	-0.0054531	0.0
	60.00000	26.00000	-2.80000	0.021162	-3.0500	0.0	-0.0049904	0.0
	-10.00000	28.00000	-2.80000	-0.0096228	-3.0500	-4.3733E-6	-0.025341	0.0
	-8.00000	28.00000	-2.80000	-0.018221	-3.0500	-6.9096E-6	-0.032526	0.0
	-6.00000	28.00000	-2.80000	-0.028947	-3.0500	-11.277E-6	-0.042355	0.0
	-4.00000	28.00000	-2.80000	-0.041986	-3.0500	-18.983E-6	-0.055832	1.1155E-6
	-2.00000	28.00000	-2.80000	-0.057162	-3.0500	-32.613E-6	-0.073997	1.4780E-6
	0.00000	28.00000	-2.80000	-0.073381	-3.0500	-55.481E-6	-0.097017	1.9370E-6
	2.00000	28.00000	-2.80000	-0.087740	-3.0500	-87.657E-6	-0.12179	2.4306E-6
	4.00000	28.00000	-2.80000	-0.095136	-3.0500	-116.39E-6	-0.13915	2.7761E-6
	6.00000	28.00000	-2.80000	-0.090415	-3.0500	-118.97E-6	-0.13765	2.7459E-6
	8.00000	28.00000	-2.80000	-0.072367	-3.0500	-93.289E-6	-0.11507	2.2958E-6
	10.00000	28.00000	-2.80000	-0.044000	-3.0500	-54.145E-6	-0.078144	1.5596E-6
	12.00000	28.00000	-2.80000	-0.0096831	-3.0500	-8.1689E-6	-0.033583	0.0
	14.00000	28.00000	-2.80000	0.026145	-3.0500	41.169E-6	0.012931	0.0
	16.00000	28.00000	-2.80000	0.059146	-3.0500	86.088E-6	0.055095	-1.0967E-6
	18.00000	28.00000	-2.80000	0.085766	-3.0500	117.00E-6	0.087205	-1.7371E-6
	20.00000	28.00000	-2.80000	0.10423	-3.0500	133.24E-6	0.10744	-2.1409E-6
	22.00000	28.00000	-2.80000	0.11430	-3.0500	139.22E-6	0.11684	-2.3285E-6
	24.00000	28.00000	-2.80000	0.11637	-3.0500	136.61E-6	0.11638	-2.3193E-6
	26.00000	28.00000	-2.80000	0.11107	-3.0500	124.03E-6	0.10633	-2.1192E-6
	28.00000	28.00000	-2.80000	0.099669	-3.0500	99.730E-6	0.087511	-1.7442E-6
	30.00000	28.00000	-2.80000	0.084557	-3.0500	66.998E-6	0.063357	-1.2631E-6
	32.00000	28.00000	-2.80000	0.069026	-3.0500	37.883E-6	0.040244	0.0
	34.00000	28.00000	-2.80000	0.055606	-3.0500	19.400E-6	0.022602	0.0
	36.00000	28.00000	-2.80000	0.045186	-3.0500	9.5605E-6	0.010806	0.0
	38.00000	28.00000	-2.80000	0.037575	-3.0500	4.6496E-6	0.0034252	0.0
	40.00000	28.00000	-2.80000	0.032216	-3.0500	2.2200E-6	-0.0010294	0.0
	42.00000	28.00000	-2.80000	0.028547	-3.0500	1.0027E-6	-0.0036312	0.0
	44.00000	28.00000	-2.80000	0.026098	-3.0500	0.0	-0.0050713	0.0
	46.00000	28.00000	-2.80000	0.024503	-3.0500	0.0	-0.0057830	0.0
	48.00000	28.00000	-2.80000	0.023485	-3.0500	0.0	-0.0060385	0.0
	50.00000	28.00000	-2.80000	0.022837	-3.0500	0.0	-0.0060116	0.0

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 [-]
	52.00000	28.00000	-2.80000	0.022406	-3.0500	0.0	-0.0058142	0.0
	54.00000	28.00000	-2.80000	0.022084	-3.0500	0.0	-0.0055195	0.0
	56.00000	28.00000	-2.80000	0.021799	-3.0500	0.0	-0.0051747	0.0
	58.00000	28.00000	-2.80000	0.021501	-3.0500	0.0	-0.0048104	0.0
	60.00000	28.00000	-2.80000	0.021165	-3.0500	0.0	-0.0044460	0.0
	-10.00000	30.00000	-2.80000	-0.0039404	-3.0500	-3.1725E-6	-0.020905	0.0
	-8.00000	30.00000	-2.80000	-0.010150	-3.0500	-4.7297E-6	-0.025950	0.0
	-6.00000	30.00000	-2.80000	-0.017561	-3.0500	-7.1624E-6	-0.032403	0.0
	-4.00000	30.00000	-2.80000	-0.026043	-3.0500	-10.939E-6	-0.040510	0.0
	-2.00000	30.00000	-2.80000	-0.035142	-3.0500	-16.599E-6	-0.050270	1.0044E-6
	0.00000	30.00000	-2.80000	-0.043844	-3.0500	-24.335E-6	-0.060994	1.2184E-6
	2.00000	30.00000	-2.80000	-0.050391	-3.0500	-33.005E-6	-0.070713	1.4123E-6
	4.00000	30.00000	-2.80000	-0.052468	-3.0500	-39.268E-6	-0.076083	1.5193E-6
	6.00000	30.00000	-2.80000	-0.048105	-3.0500	-39.184E-6	-0.073850	1.4747E-6
	8.00000	30.00000	-2.80000	-0.036787	-3.0500	-31.830E-6	-0.063104	1.2602E-6
	10.00000	30.00000	-2.80000	-0.019681	-3.0500	-19.321E-6	-0.045536	0.0
	12.00000	30.00000	-2.80000	0.0010408	-3.0500	-4.0525E-6	-0.023937	0.0
	14.00000	30.00000	-2.80000	0.022855	-3.0500	11.912E-6	-0.0012624	0.0
	16.00000	30.00000	-2.80000	0.043307	-3.0500	26.306E-6	0.019619	0.0
	18.00000	30.00000	-2.80000	0.060398	-3.0500	37.134E-6	0.036400	0.0
	20.00000	30.00000	-2.80000	0.072893	-3.0500	43.730E-6	0.047888	0.0
	22.00000	30.00000	-2.80000	0.080317	-3.0500	46.460E-6	0.053893	-1.0751E-6
	24.00000	30.00000	-2.80000	0.082735	-3.0500	45.694E-6	0.054662	-1.0905E-6
	26.00000	30.00000	-2.80000	0.080607	-3.0500	41.501E-6	0.050643	-1.0104E-6
	28.00000	30.00000	-2.80000	0.074820	-3.0500	34.165E-6	0.042714	0.0
	30.00000	30.00000	-2.80000	0.066715	-3.0500	25.011E-6	0.032506	0.0
	32.00000	30.00000	-2.80000	0.057856	-3.0500	16.333E-6	0.022158	0.0
	34.00000	30.00000	-2.80000	0.049544	-3.0500	9.7831E-6	0.013345	0.0
	36.00000	30.00000	-2.80000	0.042493	-3.0500	5.5468E-6	0.0066903	0.0
	38.00000	30.00000	-2.80000	0.036892	-3.0500	3.0339E-6	0.0020444	0.0
	40.00000	30.00000	-2.80000	0.032630	-3.0500	1.6029E-6	-0.0010309	0.0
	42.00000	30.00000	-2.80000	0.029480	-3.0500	0.0	-0.0029753	0.0
	44.00000	30.00000	-2.80000	0.027200	-3.0500	0.0	-0.0041373	0.0
	46.00000	30.00000	-2.80000	0.025569	-3.0500	0.0	-0.0047689	0.0
	48.00000	30.00000	-2.80000	0.024403	-3.0500	0.0	-0.0050460	0.0
	50.00000	30.00000	-2.80000	0.023553	-3.0500	0.0	-0.0050900	0.0
	52.00000	30.00000	-2.80000	0.022907	-3.0500	0.0	-0.0049844	0.0
	54.00000	30.00000	-2.80000	0.022379	-3.0500	0.0	-0.0047864	0.0
	56.00000	30.00000	-2.80000	0.021908	-3.0500	0.0	-0.0045350	0.0
	58.00000	30.00000	-2.80000	0.021453	-3.0500	0.0	-0.0042566	0.0
	60.00000	30.00000	-2.80000	0.020987	-3.0500	0.0	-0.0039690	0.0
Law Bdg Infill	2.00000	6.00000	-1.50000	-0.38928	-1.7250	0.0	0.0	0.0
	3.06667	6.00000	-1.50000	-0.48597	-1.7250	0.0	0.0	0.0
	4.13333	6.00000	-1.50000	-0.56760	-1.7250	0.0	0.0	0.0
	5.20000	6.00000	-1.50000	-0.59779	-1.7250	0.0	0.0	0.0
	6.26667	6.00000	-1.50000	-0.56210	-1.7250	0.0	0.0	0.0
	7.33333	6.00000	-1.50000	-0.50024	-1.7250	0.0	0.0	0.0
	8.40000	6.00000	-1.50000	-0.42324	-1.7250	0.0	0.0	0.0
	9.46667	6.00000	-1.50000	-0.34814	-1.7250	0.0	0.0	0.0
	10.53333	6.00000	-1.50000	-0.25428	-1.7250	0.0	0.0	0.0
	11.60000	6.00000	-1.50000	-0.16351	-1.7250	0.0	0.0	0.0
	12.66667	6.00000	-1.50000	-0.082148	-1.7250	0.0	0.0	0.0
	13.73333	6.00000	-1.50000	0.0011997	-1.7250	0.0	0.0	0.0
	14.80000	6.00000	-1.50000	0.12674	-1.7250	0.0	0.0	0.0
	15.86667	6.00000	-1.50000	0.94668	-1.7250	0.0	0.0	0.0
	16.93333	6.00000	-1.50000	0.32740	-1.7250	0.0	0.0	0.0
	18.00000	6.00000	-1.50000	0.37960	-1.7250	0.0	0.0	0.0
16 Chenies Wst	2.00000	22.00000	-2.80000	-0.44966	-3.0500	-0.025472	-1.7645	33.763E-6
	3.13333	22.00000	-2.80000	-0.60231	-3.0500	-0.092973	-3.8897	72.215E-6
	4.26667	22.00000	-2.80000	-0.82227	-3.0500	-1.1427	-14.199	215.41E-6
	5.40000	22.00000	-2.80000	-0.87796	-3.0500	-2.3026	-19.235	246.55E-6
	6.53333	22.00000	-2.80000	-0.66233	-3.0500	-0.10877	-4.6502	86.477E-6
	7.66667	22.00000	-2.80000	-0.53758	-3.0500	-0.079833	-3.2026	59.262E-6
	8.80000	22.00000	-2.80000	-0.43553	-3.0500	-0.092842	-3.0033	54.495E-6
	9.93333	22.00000	-2.80000	-0.56815	-3.0500	-11.552	-19.524	-302.66E-6
	11.06667	22.00000	-2.80000	-0.19336	-3.0500	-0.038884	-1.2497	22.661E-6
	12.20000	22.00000	-2.80000	-0.064861	-3.0500	-0.0012435	-0.13975	2.7204E-6
	13.33333	22.00000	-2.80000	0.054233	-3.0500	0.0037751	0.43483	-8.4701E-6
	14.46667	22.00000	-2.80000	0.19517	-3.0500	0.054729	2.0336	-37.389E-6
	15.60000	22.00000	-2.80000	0.72568	-3.0500	17.224	36.005	313.36E-6
	16.73333	22.00000	-2.80000	0.53651	-3.0500	4.1481	16.269	-76.490E-6
	17.86667	22.00000	-2.80000	0.51462	-3.0500	0.54356	7.3810	-115.01E-6
	19.00000	22.00000	-2.80000	0.96895	-3.0500	19.298	42.920	299.47E-6
	20.13333	22.00000	-2.80000	0.55874	-3.0500	0.20784	5.3983	-95.495E-6
	21.26667	22.00000	-2.80000	0.67556	-3.0500	4.1474	16.588	-82.905E-6
	22.40000	22.00000	-2.80000	0.96813	-3.0500	17.233	37.002	293.93E-6
	23.53333	22.00000	-2.80000	0.57919	-3.0500	0.16166	5.2719	-95.739E-6
	24.66667	22.00000	-2.80000	0.98980	-3.0500	18.928	41.503	305.62E-6
	25.80000	22.00000	-2.80000	0.57814	-3.0500	1.2342	9.9910	-125.77E-6
	26.93333	22.00000	-2.80000	0.52769	-3.0500	0.79930	8.3241	-118.52E-6
	28.06667	22.00000	-2.80000	0.87158	-3.0500	19.164	41.834	313.14E-6
	29.20000	22.00000	-2.80000	0.34225	-3.0500	0.13810	3.4279	-60.271E-6
	30.33333	22.00000	-2.80000	0.22158	-3.0500	0.0078125	0.90748	-17.681E-6
	31.46667	22.00000	-2.80000	0.14820	-3.0500	0.0017135	0.37818	-7.4609E-6
	32.60000	22.00000	-2.80000	0.10162	-3.0500	502.75E-6	0.17688	-3.5075E-6
	33.73333	22.00000	-2.80000	0.071832	-3.0500	178.31E-6	0.088379	-1.7569E-6
	34.86666	22.00000	-2.80000	0.052302	-3.0500	73.272E-6	0.044900	0.0
	36.00000	22.00000	-2.80000	0.039154	-3.0500	33.549E-6	0.021505	0.0
	37.13334	22.00000	-2.80000	0.030139	-3.0500	16.510E-6	0.0080214	0.0
	38.26667	22.00000	-2.80000	0.023923	-3.0500	8.4327E-6	-119.27E-6	0.0
	39.40000	22.00000	-2.80000	0.019677	-3.0500	4.2990E-6	-0.0051597	0.0
	40.53333	22.00000	-2.80000	0.016858	-3.0500	2.0637E-6	-0.0082916	0.0
	41.66667	22.00000	-2.80000	0.015090	-3.0500	0.0	-0.010195	0.0
	42.80000	22.00000	-2.80000	0.014103	-3.0500	0.0	-0.011282	0.0
	43.93333	22.00000	-2.80000	0.013692	-3.0500	0.0	-0.011816	0.0
	45.06667	22.00000	-2.80000	0.013701	-3.0500	0.0	-0.011972	0.0
	46.20000	22.00000	-2.80000	0.014006	-3.0500	0.0	-0.011870	0.0
	47.33333	22.00000	-2.80000	0.014511	-3.0500	0.0	-0.011595	0.0
	48.46667	22.00000	-2.80000	0.015141	-3.0500	0.0	-0.011205	0.0
	49.60000	22.00000	-2.80000	0.015838	-3.0500	0.0	-0.010743	0.0
	50.73333	22.00000	-2.80000	0.016556	-3.0500	0.0	-0.010241	0.0
	51.86666	22.00000	-2.80000	0.017261	-3.0500	0.0	-0.0097193	0.0
	53.00000	22.00000	-2.80000	0.017928	-3.0500	0.0	-0.0091939	0.0
16 Chenies Sth	2.00000	21.90000	-2.80000	-0.46188	-3.0500	-0.034068	-1.9247	36.450E-6
	2.00000	20.84667	-2.80000	-0.60299	-3.0500	-0.53594	-5.2635	73.113E-6
	2.00000	19.79333	-2.80000	-0.71212	-3.0500	-0.58500	-6.3818	92.536E-6
	2.00000	18.74000	-2.80000	-0.78825	-3.0500	-0.58804	-6.7304	99.324E-6
	2.00000	17.68667	-2.80000	-0.84023	-3.0500	-0.58872	-6.8927	102.53E-6
	2.00000	16.63333	-2.80000	-0.87415	-3.0500	-0.58895	-6.9771	104.21E-6
	2.00000	15.58000	-2.80000	-0.89403	-3.0500	-0.58904	-7.0201	105.06E-6
	2.00000	14.52667	-2.80000	-0.90212	-3.0500	-0.58907	-7.0360	105.38E-6
	2.00000	13.47333	-2.80000	-0.89923	-3.0500	-0.58906	-7.0295	105.25E-6
	2.00000	12.42000	-2.80000	-0.88497	-3.0500	-0.58900	-6.9985	104.63E-6
	2.00000	11.36667	-2.80000	-0.85763	-3.0500	-0.58884	-6.9334	103.34E-6
	2.00000	10.31333	-2.80000	-0.81407	-3.0500	-0.58845	-6.8112	100.92E-6
	2.00000	9.26000	-2.80000	-0.74972	-3.0500	-0.58733	-6.5814	96.388E-6
	2.00000	8.20667	-2.80000	-0.65957	-3.0500	-0.58293	-6.1178	87.380E-6
	2.00000	7.15333	-2.80000	-0.53916	-3.0500	-0.50921	-4.7372	64.191E-6
	2.00000	6.10000	-2.80000	-0.40024	-3.0500	-0.023554	-1.4998	28.583E-6
16 Chenies Est	2.00000	6.00000	-2.80000	-0.38899	-3.0500	-0.017769	-1.3693	26.319E-6
	3.13333	6.00000	-2.80000	-0.49111	-3.0500	-0.051680	-2.4918	46.736E-6
	4.26667	6.00000	-2.80000	-0.57422	-3.0500	-0.072407	-3.4926	65.507E-6
	5.40000	6.00000	-2.80000	-0.59403	-3.0500	-0.075660	-3.6674	68.808E-6
	6.53333	6.00000	-2.80000	-0.54712	-3.0500	-0.058430	-2.9564	55.622E-6
	7.66667	6.00000	-2.80000	-0.47821	-3.0500	-0.053350	-2.4880	46.560E-6
	8.80000	6.00000	-2.80000	-0.39967	-3.0500	-0.051052	-2.1341	39.618E-6
	9.93333	6.00000	-2.80000	-0.30773	-3.0500	-0.035251	-1.5144	28.173E-6
	11.06667	6.00000	-2.80000	-0.20737	-3.0500	-0.0063848	-0.62131	12.043E-6
	12.20000	6.00000	-2.80000	-0.11703	-3.0500	-406.46E-6	-0.14251	2.8259E-6
	13.33333	6.00000	-2.80000	-0.031613	-3.0500	0.0029830	0.26439	-5.1088E-6
	14.46667	6.00000	-2.80000	0.075153	-3.0500	0.061974	1.7995	-32.272E-6
	15.60000	6.00000	-2.80000	0.88229	-3.0500	32.242	57.585	782.84E-6
	16.73333	6.00000	-2.80000	0.42905	-3.0500	7.3563	22.799	-14.613E-6
	17.86667	6.00000	-2.80000	0.33570	-3.0500	0.79518	8.2860	-118.01E-6
	19.00000	6.00000	-2.80000	1.1000	-3.0500	35.935	68.308	789.96E-6
	20.13333	6.00000	-2.80000	0.32303	-3.0500	0.26700	5.4915	-93.811E-6
	21.26667	6.00000	-2.80000	0.45739	-3.0500	7.3574	23.183	-22.214E-6
	22.40000	6.00000	-2.80000	0.93151	-3.0500	32.252	58.519	764.76E-6
	23.53333	6.00000	-2.80000	0.15061	-3.0500	0.19031	4.7472	-83.525E-6
	24.66667	6.00000	-2.80000	0.77937	-3.0500	35.294	65.031	817.02E-6
	25.80000	6.00000	-2.80000	-0.088196	-3.0500	1.9638	10.693	-96.037E-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 [-]
	26.93333	6.00000	-2.80000	-0.32237	-3.0500	1.1951	7.1599	-71.491E-6
	28.06667	6.00000	-2.80000	0.11680	-3.0500	35.557	61.194	909.53E-6
	29.20000	6.00000	-2.80000	-0.96558	-3.0500	-0.16379	-5.9237	108.65E-6
	30.33333	6.00000	-2.80000	-1.2119	-3.0500	-0.34137	-9.4486	168.49E-6
	31.46667	6.00000	-2.80000	-1.3389	-3.0500	-0.34253	-9.8791	177.03E-6
	32.60000	6.00000	-2.80000	-1.3858	-3.0500	-0.33624	-9.4805	169.44E-6
	33.73333	6.00000	-2.80000	-1.3548	-3.0500	-0.24115	-6.9193	123.92E-6
	34.86666	6.00000	-2.80000	-1.0754	-3.0500	-0.031186	-2.7630	53.390E-6
	36.00000	6.00000	-2.80000	-0.81639	-3.0500	-0.0051546	-1.2985	25.661E-6
	37.13334	6.00000	-2.80000	-0.65310	-3.0500	-0.0015469	-0.75472	15.002E-6
	38.26667	6.00000	-2.80000	-0.57499	-3.0500	-631.55E-6	-0.49196	9.8013E-6
	39.40000	6.00000	-2.80000	-0.54924	-3.0500	-308.16E-6	-0.34382	6.8579E-6
	40.53333	6.00000	-2.80000	-0.36583	-3.0500	-168.71E-6	-0.25184	5.0267E-6
	41.66667	6.00000	-2.80000	-0.28361	-3.0500	-100.07E-6	-0.19086	3.8111E-6
	42.80000	6.00000	-2.80000	-0.22502	-3.0500	-62.966E-6	-0.14846	2.9653E-6
	43.93333	6.00000	-2.80000	-0.18035	-3.0500	-41.460E-6	-0.11790	2.3554E-6
	45.06667	6.00000	-2.80000	-0.14504	-3.0500	-28.302E-6	-0.095234	1.9030E-6
	46.20000	6.00000	-2.80000	-0.11651	-3.0500	-19.898E-6	-0.078040	1.5596E-6
	47.33333	6.00000	-2.80000	-0.093112	-3.0500	-14.338E-6	-0.064742	1.2940E-6
	48.46667	6.00000	-2.80000	-0.073734	-3.0500	-10.550E-6	-0.054290	1.0852E-6
	49.60000	6.00000	-2.80000	-0.057578	-3.0500	-7.9039E-6	-0.045959	0.0
	50.73333	6.00000	-2.80000	-0.044050	-3.0500	-6.0162E-6	-0.039237	0.0
	51.86666	6.00000	-2.80000	-0.032691	-3.0500	-4.6440E-6	-0.033754	0.0
	53.00000	6.00000	-2.80000	-0.023144	-3.0500	-3.6300E-6	-0.029238	0.0
16 Chenies Nth	53.00000	21.90000	-2.80000	0.017806	-3.0500	0.0	-0.0092707	0.0
	53.00000	20.84667	-2.80000	0.016418	-3.0500	0.0	-0.010121	0.0
	53.00000	19.79333	-2.80000	0.014817	-3.0500	0.0	-0.011050	0.0
	53.00000	18.74000	-2.80000	0.012995	-3.0500	0.0	-0.012060	0.0
	53.00000	17.68667	-2.80000	0.010947	-3.0500	0.0	-0.013151	0.0
	53.00000	16.63333	-2.80000	0.0086724	-3.0500	-1.1376E-6	-0.014325	0.0
	53.00000	15.58000	-2.80000	0.0061744	-3.0500	-1.3141E-6	-0.015581	0.0
	53.00000	14.52667	-2.80000	0.0034614	-3.0500	-1.5097E-6	-0.016914	0.0
	53.00000	13.47333	-2.80000	547.52E-6	-3.0500	-1.7242E-6	-0.018319	0.0
	53.00000	12.42000	-2.80000	-0.0025464	-3.0500	-1.9571E-6	-0.019788	0.0
	53.00000	11.36667	-2.80000	-0.0057924	-3.0500	-2.2071E-6	-0.021309	0.0
	53.00000	10.31333	-2.80000	-0.0091555	-3.0500	-2.4719E-6	-0.022869	0.0
	53.00000	9.26000	-2.80000	-0.012593	-3.0500	-2.7484E-6	-0.024449	0.0
	53.00000	8.20667	-2.80000	-0.016056	-3.0500	-3.0327E-6	-0.026030	0.0
	53.00000	7.15333	-2.80000	-0.019489	-3.0500	-3.3196E-6	-0.027588	0.0
	53.00000	6.10000	-2.80000	-0.022834	-3.0500	-3.6034E-6	-0.029098	0.0
18 Chenies Retained Wall	39.00000	-13.60000	-3.50000	-0.49283	-3.6500	-5.4039	-13.754	-32.766E-6
	39.00000	-12.62000	-3.50000	-0.65546	-3.6500	-10.799	-26.392	-80.069E-6
	39.00000	-11.64000	-3.50000	-0.73262	-3.6500	-10.806	-26.856	-74.168E-6
	39.00000	-10.66000	-3.50000	-0.79779	-3.6500	-10.810	-27.137	-70.587E-6
	39.00000	-9.68000	-3.50000	-0.85493	-3.6500	-10.814	-27.375	-67.566E-6
	39.00000	-8.70000	-3.50000	-0.90438	-3.6500	-10.817	-27.578	-64.986E-6
	39.00000	-7.72000	-3.50000	-0.94604	-3.6500	-10.820	-27.745	-62.847E-6
	39.00000	-6.74000	-3.50000	-0.97995	-3.6500	-10.821	-27.879	-61.131E-6
	39.00000	-5.76000	-3.50000	-1.0063	-3.6500	-10.823	-27.982	-59.805E-6
	39.00000	-4.78000	-3.50000	-1.0252	-3.6500	-10.823	-28.057	-58.838E-6
	39.00000	-3.80000	-3.50000	-1.0366	-3.6500	-10.824	-28.106	-58.216E-6
	39.00000	-2.82000	-3.50000	-1.0406	-3.6500	-10.824	-28.127	-57.942E-6
	39.00000	-1.84000	-3.50000	-1.0367	-3.6500	-10.824	-28.120	-58.033E-6
	39.00000	-0.86000	-3.50000	-1.0246	-3.6500	-10.824	-28.083	-58.515E-6
	39.00000	0.12000	-3.50000	-1.0038	-3.6500	-10.823	-28.012	-59.427E-6
	39.00000	1.10000	-3.50000	-0.97380	-3.6500	-10.822	-27.904	-60.818E-6
	39.00000	2.08000	-3.50000	-0.93405	-3.6500	-10.820	-27.754	-62.742E-6
	39.00000	3.06000	-3.50000	-0.88409	-3.6500	-10.817	-27.557	-65.254E-6
	39.00000	4.04000	-3.50000	-0.82338	-3.6500	-10.813	-27.306	-68.452E-6
	39.00000	5.02000	-3.50000	-0.74985	-3.6500	-10.808	-26.951	-72.978E-6
	39.00000	6.00000	-3.50000	-0.64960	-3.6500	-10.726	-25.351	-91.043E-6
Law Bdg Nth	21.60000	4.00000	-2.80000	-0.025386	-3.0500	0.0086714	0.73552	-14.190E-6
	21.60000	2.95000	-2.80000	-0.12968	-3.0500	0.0014609	0.14284	-2.7691E-6
	21.60000	1.90000	-2.80000	-0.20188	-3.0500	299.41E-6	-0.089836	1.8147E-6
	21.60000	0.85000	-2.80000	-0.25202	-3.0500	-39.550E-6	-0.20722	4.1420E-6
	21.60000	-0.20000	-2.80000	-0.28561	-3.0500	-164.75E-6	-0.27046	5.3993E-6
	21.60000	-1.25000	-2.80000	-0.30623	-3.0500	-211.01E-6	-0.30261	6.0396E-6
	21.60000	-2.30000	-2.80000	-0.31648	-3.0500	-220.98E-6	-0.31489	6.2846E-6
	21.60000	-3.35000	-2.80000	-0.31847	-3.0500	-212.59E-6	-0.31400	6.2672E-6
	21.60000	-4.40000	-2.80000	-0.31399	-3.0500	-195.53E-6	-0.30457	6.0797E-6
	21.60000	-5.45000	-2.80000	-0.30455	-3.0500	-175.63E-6	-0.28994	5.7883E-6
	21.60000	-6.50000	-2.80000	-0.29134	-3.0500	-155.96E-6	-0.27232	5.4371E-6
	21.60000	-7.55000	-2.80000	-0.27529	-3.0500	-137.64E-6	-0.25304	5.0525E-6
	21.60000	-8.60000	-2.80000	-0.25710	-3.0500	-120.68E-6	-0.23282	4.6492E-6
	21.60000	-9.65000	-2.80000	-0.23736	-3.0500	-104.75E-6	-0.21212	4.2360E-6
	21.60000	-10.70000	-2.80000	-0.21662	-3.0500	-89.624E-6	-0.19130	3.8206E-6
	21.60000	-11.75000	-2.80000	-0.19541	-3.0500	-75.331E-6	-0.17080	3.4115E-6
	21.60000	-12.80000	-2.80000	-0.17424	-3.0500	-62.127E-6	-0.15107	3.0177E-6
	21.60000	-13.85000	-2.80000	-0.15359	-3.0500	-50.327E-6	-0.13255	2.6480E-6
	21.60000	-14.90000	-2.80000	-0.13385	-3.0500	-40.157E-6	-0.11558	2.3092E-6
	21.60000	-15.95000	-2.80000	-0.11532	-3.0500	-31.683E-6	-0.10036	2.0054E-6
	21.60000	-17.00000	-2.80000	-0.098201	-3.0500	-24.816E-6	-0.086955	1.7376E-6
Law Bbg Est	21.60000	-17.10000	-2.80000	-0.096648	-3.0500	-24.240E-6	-0.085771	1.7140E-6
	20.52000	-17.10000	-2.80000	-0.081152	-3.0500	-18.414E-6	-0.074412	1.4871E-6
	19.44000	-17.10000	-2.80000	-0.067348	-3.0500	-14.166E-6	-0.064902	1.2972E-6
	18.36000	-17.10000	-2.80000	-0.055114	-3.0500	-11.032E-6	-0.056924	1.1378E-6
	17.28000	-17.10000	-2.80000	-0.044320	-3.0500	-8.6942E-6	-0.050215	1.0038E-6
	16.20000	-17.10000	-2.80000	-0.034838	-3.0500	-6.9316E-6	-0.044556	0.0
	15.12000	-17.10000	-2.80000	-0.026542	-3.0500	-5.5901E-6	-0.039770	0.0
	14.04000	-17.10000	-2.80000	-0.019312	-3.0500	-4.5606E-6	-0.035709	0.0
	12.96000	-17.10000	-2.80000	-0.013036	-3.0500	-3.7645E-6	-0.032253	0.0
	11.88000	-17.10000	-2.80000	-0.0076092	-3.0500	-3.1446E-6	-0.029301	0.0
	10.80000	-17.10000	-2.80000	-0.0029334	-3.0500	-2.6585E-6	-0.026768	0.0
	9.72000	-17.10000	-2.80000	0.0010808	-3.0500	-2.2747E-6	-0.024585	0.0
	8.64000	-17.10000	-2.80000	0.0045154	-3.0500	-1.9692E-6	-0.022692	0.0
	7.56000	-17.10000	-2.80000	0.0074446	-3.0500	-1.7238E-6	-0.021041	0.0
	6.48000	-17.10000	-2.80000	0.0099354	-3.0500	-1.5247E-6	-0.019589	0.0
	5.40000	-17.10000	-2.80000	0.012047	-3.0500	-1.3611E-6	-0.018303	0.0
	4.32000	-17.10000	-2.80000	0.013834	-3.0500	-1.2248E-6	-0.017154	0.0
	3.24000	-17.10000	-2.80000	0.015340	-3.0500	-1.1094E-6	-0.016117	0.0
	2.16000	-17.10000	-2.80000	0.016608	-3.0500	-1.0102E-6	-0.015174	0.0
	1.08000	-17.10000	-2.80000	0.017670	-3.0500	0.0	-0.014309	0.0
	0.00000	-17.10000	-2.80000	0.018557	-3.0500	0.0	-0.013510	0.0


Settlement Contours : Grid 1 at -2.8000m
40.00
30.00
20.00
10.00
.0
-10.00
-20.00
Y [m]
-20.00
.0
20.00
40.00
60.00
X [m]
-4.000
-3.000
-2.000
-1.000
0
1.000
0
0
0
0
Scale x 1:594 y 1:594
Contour Interval: 1mm

Notes

Revised Loadings March 2016

Analysis Options

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: -40.00 [m OD]
Displacements at area centroids calculated.

Soil ProfilesUndrained Profile

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	0.0	6	25000.	25000.	0.50000	None
2	-3.3000	2	37500.	37500.	0.50000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	55000.	108000.	0.50000	None
5	-20.000	12	108000.	108000.	0.50000	None

Soil ProfilesDrained Profile

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	0.0	6	15000.	15000.	0.20000	None
2	-3.3000	2	22500.	22500.	0.20000	None
3	-4.1000	4	54000.	54000.	0.20000	None
4	-6.3000	28	33000.	64800.	0.20000	None
5	-20.000	12	64800.	64800.	0.20000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Zone A	-10.000	60.000	-20.000	30.000	Drained Profile

Load Data

Load ref.	Name	Shape	Orientation of Plane	Load position: Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance	Number of rectangles	Load value: Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	UL1	Rectangular	Horizontal	6.0500	14.050	-2.8000	0.0	7.5000	14.500	N/A	N/A	1	-9.0000	0.0	0.0
2	UL2	Rectangular	Horizontal	4.9000	14.600	-2.8000	0.0	0.40000	14.500	N/A	N/A	1	-140.00	0.0	0.0
3	UL3	Rectangular	Horizontal	10.000	14.600	-2.8000	0.0	0.40000	15.300	N/A	N/A	1	-17.500	0.0	0.0
4	UL4	Rectangular	Horizontal	22.700	17.800	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
5	UL5	Rectangular	Horizontal	22.700	10.500	-2.8000	0.0	14.800	0.40000	N/A	N/A	1	-5.0000	0.0	0.0
6	UL6	Rectangular	Horizontal	26.500	14.200	-2.8000	0.0	8.6000	6.8000	N/A	N/A	1	-4.5000	0.0	0.0
7	UL7	Rectangular	Horizontal	27.200	7.8000	-2.8000	0.0	6.1000	1.4000	N/A	N/A	1	-9.0000	0.0	0.0
8	UL8	Rectangular	Horizontal	18.200	14.200	-2.8000	0.0	6.1000	6.8000	N/A	N/A	1	-2.2500	0.0	0.0
9	L1	Rectangular	Horizontal	12.500	17.800	-2.8000	0.0	4.8000	0.40000	N/A	N/A	1	48.000	0.0	0.0
10	L2	Rectangular	Horizontal	12.500	10.200	-2.8000	0.0	4.8000	0.40000	N/A	N/A	1	48.000	0.0	0.0
11	L3	Rectangular	Horizontal	22.300	19.700	-2.8000	0.0	14.400	0.50000	N/A	N/A	1	85.000	0.0	0.0
12	L4	Rectangular	Horizontal	23.900	8.5000	-2.8000	0.0	15.100	0.50000	N/A	N/A	1	85.000	0.0	0.0
13	L5	Rectangular	Horizontal	16.000	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
14	L6	Rectangular	Horizontal	18.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
15	L7	Rectangular	Horizontal	22.000	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
16	L8	Rectangular	Horizontal	24.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
17	L9	Rectangular	Horizontal	27.900	21.600	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
18	L10	Rectangular	Horizontal	16.000	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
19	L11	Rectangular	Horizontal	18.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
20	L12	Rectangular	Horizontal	22.000	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
21	L13	Rectangular	Horizontal	24.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
22	L14	Rectangular	Horizontal	27.900	6.1000	-2.8000	0.0	1.2000	0.80000	N/A	N/A	1	40.000	0.0	0.0
23	L15	Rectangular	Horizontal	22.700	16.950	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
24	L16	Rectangular	Horizontal	22.700	15.000	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
25	L17	Rectangular	Horizontal	22.700	13.200	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
26	L18	Rectangular	Horizontal	22.700	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
27	L19	Rectangular	Horizontal	27.100	13.200	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
28	L20	Rectangular	Horizontal	27.100	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
29	L21	Rectangular	Horizontal	30.000	11.400	-2.8000	0.0	0.75000	0.60000	N/A	N/A	1	47.000	0.0	0.0
30	18 Chenies Extn 1	Rectangular	Horizontal	31.100	1.1000	-2.8000	0.0	5.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
31	18 Chenies Extn 2	Rectangular	Horizontal	32.100	-7.2000	-2.8000	0.0	3.8000	8.4000	N/A	N/A	1	-42.000	0.0	0.0
32	18 Chenies Removed Wall	Rectangular	Horizontal	34.000	-3.4000	-3.5000	0.0	0.50000	18.000	N/A	N/A	1	-74.000	0.0	0.0
33	18 Chenies Reduced wall	Rectangular	Horizontal	39.000	-3.6000	-3.5000	0.0	0.80000	20.000	N/A	N/A	1	-11.000	0.0	0.0

Displacement Data

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion: First point X [m]	Y [m]	Z(level) [m]	Second point X [m]	Y [m]	Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Grid	Grid 1	Global X	-10.000	-20.000	-2.8000	N/A	30.000	-2.8000	25	70.000	35	Yes	No
2	Line	Law Bdg Infill	N/A	2.0000	6.0000	-1.5000	18.000	6.0000	-1.5000	15	N/A	N/A	Yes	Yes
3	Line	16 Chenies Wst	N/A	2.0000	22.000	-2.8000	53.000	22.000	-2.8000	45	N/A	N/A	Yes	Yes
4	Line	16 Chenies Sth	N/A	2.0000	21.900	-2.8000	2.0000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
5	Line	16 Chenies Est	N/A	2.0000	6.0000	-2.8000	53.000	6.0000	-2.8000	45	N/A	N/A	Yes	Yes
6	Line	16 Chenies Nth	N/A	53.000	21.900	-2.8000	53.000	6.1000	-2.8000	15	N/A	N/A	Yes	Yes
7	Line	18 Chenies Retained Wall	N/A	39.000	-13.600	-3.5000	39.000	6.0000	-3.5000	20	N/A	N/A	Yes	Yes
8	Line	Law Bdg Nth	N/A	21.600	4.0000	-2.8000	21.600	-17.000	-2.8000	20	N/A	N/A	Yes	Yes
9	Line	Law Bbg Est	N/A	21.600	-17.100	-2.8000	0.0	-17.100	-2.8000	20	N/A	N/A	Yes	Yes

Warnings

1 The following displacement locations lie wide of all soil zones. The first soil
Coordinates [46.000, [48.000, [50.000, [52.000, [54.000, [56.000, [58.000, [60.000, [-10.000, [-8.000, [-6.000, [-4.000, [-2.000, [0.000, [2.000, [4.000, [6.000, [8.000, [10.000, [12.000, [14.000, [16.000, [18.000, [20.000, [22.000,
profile will be used.

Displacement Data Index (m)
1 32.000,
-2.800]

-2.800]
-2.800]
-2.800]
-2.800]
-2.800]
-2.800]

Ref.	Type	Name	Direction of Extrusion	First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
-2.800]														
-2.800]														
-2.800]														
-2.800]														
-2.800]														
-2.800]														
-2.800]														
-2.800]														
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-2.800]														
-2.800]														
-2.800]														
-2.800]														
-2.800]														
The														
										1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1 same warning	

applies to

other

displacement

points. Only

25 are

listed

here.

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: -40.00 [m OD]

The maximum displacement difference between
Boussinesq method (1.6588mm) and Mindlin method (0.48562mm)
occurs at point X=15.867m Y=6.0000m Level -1.5000mOD and is 1.1731mm

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Stresses Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
UL1	6.05000	14.05000	-2.80000	-3.6301	-3.0500	-9.3173	-28.417	-366.49E-6
UL2	4.90000	14.60000	-2.80000	-8.4427	-3.0500	-112.61	-164.70	-0.0068129
UL3	10.00000	14.60000	-2.80000	-2.1792	-3.0500	-14.121	-23.950	-810.33E-6
UL4	22.70000	17.80000	-2.80000	0.55649	-3.0500	-3.8186	-1.9038	-280.10E-6
UL5	22.70000	10.50000	-2.80000	0.15289	-3.0500	-3.6398	-2.1468	-262.56E-6
UL6	26.50000	14.20000	-2.80000	-0.46516	-3.0500	-4.4091	-8.4022	-240.70E-6
UL7	27.20000	7.80000	-2.80000	-0.44760	-3.0500	-6.9036	-0.67879	-543.23E-6
UL8	18.20000	14.20000	-2.80000	-0.21577	-3.0500	-2.2485	-4.7484	-116.57E-6
L1	12.50000	17.80000	-2.80000	1.3751	-3.0500	35.520	48.722	0.0021920
L2	12.50000	10.20000	-2.80000	1.2563	-3.0500	35.520	48.636	0.0021931
L3	22.30000	19.70000	-2.80000	4.5077	-3.0500	69.568	102.48	0.0041991
L4	23.90000	8.50000	-2.80000	3.6556	-3.0500	69.154	99.829	0.0042013
L5	16.00000	21.60000	-2.80000	2.3184	-3.0500	36.659	56.648	0.0021774
L6	18.90000	21.60000	-2.80000	2.6542	-3.0500	36.667	57.287	0.0021695
L7	22.00000	21.60000	-2.80000	2.7608	-3.0500	36.667	57.366	0.0021685
L8	24.90000	21.60000	-2.80000	2.7214	-3.0500	36.667	57.323	0.0021690
L9	27.90000	21.60000	-2.80000	2.4947	-3.0500	36.663	56.857	0.0021749
L10	16.00000	6.10000	-2.80000	1.8528	-3.0500	36.638	55.605	0.0021896
L11	18.90000	6.10000	-2.80000	2.0510	-3.0500	36.646	56.293	0.0021811
L12	22.00000	6.10000	-2.80000	1.8908	-3.0500	36.646	56.258	0.0021816
L13	24.90000	6.10000	-2.80000	1.3392	-3.0500	36.624	55.311	0.0021924
L14	27.90000	6.10000	-2.80000	0.23351	-3.0500	36.544	52.187	0.0022277
L15	22.70000	16.95000	-2.80000	1.8520	-3.0500	34.197	42.326	0.0021714
L16	22.70000	15.00000	-2.80000	1.5480	-3.0500	34.199	41.779	0.0021788
L17	22.70000	13.20000	-2.80000	1.4682	-3.0500	34.202	41.837	0.0021783
L18	22.70000	11.40000	-2.80000	1.5577	-3.0500	34.216	42.330	0.0021729
L19	27.10000	13.20000	-2.80000	1.1258	-3.0500	34.105	40.365	0.0021902
L20	27.10000	11.40000	-2.80000	1.1832	-3.0500	34.136	41.301	0.0021802
L21	30.00000	11.40000	-2.80000	0.97126	-3.0500	34.160	41.453	0.0021801
18 Chenies Extn 1	31.10000	1.10000	-2.80000	-8.5422	-3.0500	-41.987	-94.383	-0.0021005
18 Chenies Extn 2	32.10000	-7.20000	-2.80000	-8.0093	-3.0500	-41.960	-92.105	-0.0021287
18 Chenies Removed Wall	34.00000	-3.40000	-3.50000	-7.8909	-3.6500	-91.404	-161.62	-0.0034382
18 Chenies Reduced wall	39.00000	-3.60000	-3.50000	-2.3780	-3.6500	-10.824	-22.490	-377.37E-6
Grid 1	-10.00000	-20.00000	-2.80000	-0.024018	-3.0500	0.0	-0.0055386	0.0
	-8.00000	-20.00000	-2.80000	-0.028303	-3.0500	0.0	-0.0061087	0.0
	-6.00000	-20.00000	-2.80000	-0.033184	-3.0500	0.0	-0.0067387	0.0
	-4.00000	-20.00000	-2.80000	-0.038762	-3.0500	0.0	-0.0074377	0.0
	-2.00000	-20.00000	-2.80000	-0.045166	-3.0500	0.0	-0.0082191	0.0
	0.00000	-20.00000	-2.80000	-0.052572	-3.0500	0.0	-0.0091028	0.0
	2.00000	-20.00000	-2.80000	-0.061208	-3.0500	0.0	-0.010117	0.0
	4.00000	-20.00000	-2.80000	-0.071369	-3.0500	0.0	-0.011304	0.0
	6.00000	-20.00000	-2.80000	-0.083427	-3.0500	-1.0776E-6	-0.012719	0.0
	8.00000	-20.00000	-2.80000	-0.097834	-3.0500	-1.3490E-6	-0.014442	0.0
	10.00000	-20.00000	-2.80000	-0.11512	-3.0500	-1.7342E-6	-0.016574	0.0
	12.00000	-20.00000	-2.80000	-0.13589	-3.0500	-2.2919E-6	-0.019250	0.0
	14.00000	-20.00000	-2.80000	-0.16077	-3.0500	-3.1126E-6	-0.022640	0.0
	16.00000	-20.00000	-2.80000	-0.19039	-3.0500	-4.3362E-6	-0.026958	0.0
	18.00000	-20.00000	-2.80000	-0.22528	-3.0500	-6.1803E-6	-0.032459	0.0
	20.00000	-20.00000	-2.80000	-0.26570	-3.0500	-8.9812E-6	-0.039432	0.0
	22.00000	-20.00000	-2.80000	-0.31144	-3.0500	-13.233E-6	-0.048150	0.0
	24.00000	-20.00000	-2.80000	-0.36138	-3.0500	-19.560E-6	-0.058726	0.0
	26.00000	-20.00000	-2.80000	-0.41287	-3.0500	-28.424E-6	-0.070795	0.0
	28.00000	-20.00000	-2.80000	-0.46108	-3.0500	-39.241E-6	-0.082994	1.1034E-6
	30.00000	-20.00000	-2.80000	-0.49891	-3.0500	-49.162E-6	-0.092613	1.2309E-6
	32.00000	-20.00000	-2.80000	-0.51855	-3.0500	-53.547E-6	-0.096390	1.2809E-6
	34.00000	-20.00000	-2.80000	-0.51502	-3.0500	-49.746E-6	-0.092691	1.2319E-6
	36.00000	-20.00000	-2.80000	-0.48914	-3.0500	-40.012E-6	-0.082941	1.1027E-6
	38.00000	-20.00000	-2.80000	-0.44691	-3.0500	-29.018E-6	-0.070399	0.0
	40.00000	-20.00000	-2.80000	-0.39582	-3.0500	-19.870E-6	-0.057904	0.0
	42.00000	-20.00000	-2.80000	-0.34233	-3.0500	-13.314E-6	-0.046932	0.0
	44.00000	-20.00000	-2.80000	-0.29100	-3.0500	-8.9209E-6	-0.037884	0.0
	46.00000	-20.00000	-2.80000	-0.24439	-3.0500	-6.0434E-6	-0.030640	0.0
	48.00000	-20.00000	-2.80000	-0.20350	-3.0500	-4.1589E-6	-0.024910	0.0
	50.00000	-20.00000	-2.80000	-0.16838	-3.0500	-2.9115E-6	-0.020386	0.0
	52.00000	-20.00000	-2.80000	-0.13862	-3.0500	-2.0733E-6	-0.016808	0.0
	54.00000	-20.00000	-2.80000	-0.11364	-3.0500	-1.5006E-6	-0.013962	0.0
	56.00000	-20.00000	-2.80000	-0.092807	-3.0500	-1.1028E-6	-0.011685	0.0
	58.00000	-20.00000	-2.80000	-0.075523	-3.0500	0.0	-0.0098500	0.0
	60.00000	-20.00000	-2.80000	-0.061237	-3.0500	0.0	-0.0083613	0.0
	-10.00000	-18.00000	-2.80000	-0.028318	-3.0500	0.0	-0.0061376	0.0
	-8.00000	-18.00000	-2.80000	-0.033283	-3.0500	0.0	-0.0067967	0.0
	-6.00000	-18.00000	-2.80000	-0.038913	-3.0500	0.0	-0.0075241	0.0
	-4.00000	-18.00000	-2.80000	-0.045313	-3.0500	0.0	-0.0083289	0.0
	-2.00000	-18.00000	-2.80000	-0.052625	-3.0500	0.0	-0.0092250	0.0
	0.00000	-18.00000	-2.80000	-0.061044	-3.0500	0.0	-0.010234	0.0
	2.00000	-18.00000	-2.80000	-0.070841	-3.0500	0.0	-0.011392	0.0
	4.00000	-18.00000	-2.80000	-0.082381	-3.0500	-1.0807E-6	-0.012748	0.0
	6.00000	-18.00000	-2.80000	-0.096142	-3.0500	-1.3200E-6	-0.014380	0.0
	8.00000	-18.00000	-2.80000	-0.11273	-3.0500	-1.6577E-6	-0.016396	0.0
	10.00000	-18.00000	-2.80000	-0.13290	-3.0500	-2.1520E-6	-0.018945	0.0
	12.00000	-18.00000	-2.80000	-0.15754	-3.0500	-2.8962E-6	-0.022235	0.0
	14.00000	-18.00000	-2.80000	-0.18766	-3.0500	-4.0421E-6	-0.026542	0.0
	16.00000	-18.00000	-2.80000	-0.22438	-3.0500	-5.8437E-6	-0.032244	0.0

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	-18.00000	-2.80000	-0.26884	-3.0500	-8.7398E-6	-0.039850	0.0
	20.00000	-18.00000	-2.80000	-0.32211	-3.0500	-13.513E-6	-0.050044	0.0
	22.00000	-18.00000	-2.80000	-0.38489	-3.0500	-21.576E-6	-0.063714	0.0
	24.00000	-18.00000	-2.80000	-0.45696	-3.0500	-35.395E-6	-0.081859	1.0886E-6
	26.00000	-18.00000	-2.80000	-0.53598	-3.0500	-58.568E-6	-0.10506	1.3961E-6
	28.00000	-18.00000	-2.80000	-0.61539	-3.0500	-93.306E-6	-0.13181	1.7500E-6
	30.00000	-18.00000	-2.80000	-0.68232	-3.0500	-131.83E-6	-0.15579	2.0667E-6
	32.00000	-18.00000	-2.80000	-0.71929	-3.0500	-151.05E-6	-0.16620	2.2040E-6
	34.00000	-18.00000	-2.80000	-0.71335	-3.0500	-134.68E-6	-0.15666	2.0780E-6
	36.00000	-18.00000	-2.80000	-0.66679	-3.0500	-96.575E-6	-0.13265	1.7610E-6
	38.00000	-18.00000	-2.80000	-0.59506	-3.0500	-60.681E-6	-0.10516	1.3972E-6
	40.00000	-18.00000	-2.80000	-0.51340	-3.0500	-36.358E-6	-0.081099	1.0784E-6
	42.00000	-18.00000	-2.80000	-0.43227	-3.0500	-21.852E-6	-0.062275	0.0
	44.00000	-18.00000	-2.80000	-0.35855	-3.0500	-13.459E-6	-0.048130	0.0
	46.00000	-18.00000	-2.80000	-0.29493	-3.0500	-8.5455E-6	-0.037597	0.0
	48.00000	-18.00000	-2.80000	-0.24140	-3.0500	-5.5916E-6	-0.029720	0.0
	50.00000	-18.00000	-2.80000	-0.19692	-3.0500	-3.7611E-6	-0.023772	0.0
	52.00000	-18.00000	-2.80000	-0.16019	-3.0500	-2.5932E-6	-0.019231	0.0
	54.00000	-18.00000	-2.80000	-0.13001	-3.0500	-1.8277E-6	-0.015724	0.0
	56.00000	-18.00000	-2.80000	-0.10527	-3.0500	-1.3137E-6	-0.012985	0.0
	58.00000	-18.00000	-2.80000	-0.085038	-3.0500	0.0	-0.010822	0.0
	60.00000	-18.00000	-2.80000	-0.068523	-3.0500	0.0	-0.0090969	0.0
	-10.00000	-16.00000	-2.80000	-0.033311	-3.0500	0.0	-0.0068360	0.0
	-8.00000	-16.00000	-2.80000	-0.039080	-3.0500	0.0	-0.0076061	0.0
	-6.00000	-16.00000	-2.80000	-0.045588	-3.0500	0.0	-0.0084545	0.0
	-4.00000	-16.00000	-2.80000	-0.052933	-3.0500	0.0	-0.0093888	0.0
	-2.00000	-16.00000	-2.80000	-0.061258	-3.0500	0.0	-0.010422	0.0
	0.00000	-16.00000	-2.80000	-0.070773	-3.0500	0.0	-0.011575	0.0
	2.00000	-16.00000	-2.80000	-0.081779	-3.0500	-1.1301E-6	-0.012887	0.0
	4.00000	-16.00000	-2.80000	-0.094711	-3.0500	-1.3409E-6	-0.014420	0.0
	6.00000	-16.00000	-2.80000	-0.11016	-3.0500	-1.6253E-6	-0.016271	0.0
	8.00000	-16.00000	-2.80000	-0.12893	-3.0500	-2.0336E-6	-0.018585	0.0
	10.00000	-16.00000	-2.80000	-0.15203	-3.0500	-2.6503E-6	-0.021574	0.0
	12.00000	-16.00000	-2.80000	-0.18073	-3.0500	-3.6169E-6	-0.025542	0.0
	14.00000	-16.00000	-2.80000	-0.21656	-3.0500	-5.1762E-6	-0.030918	0.0
	16.00000	-16.00000	-2.80000	-0.26133	-3.0500	-7.7624E-6	-0.038324	0.0
	18.00000	-16.00000	-2.80000	-0.31717	-3.0500	-12.196E-6	-0.048679	0.0
	20.00000	-16.00000	-2.80000	-0.38648	-3.0500	-20.137E-6	-0.063388	0.0
	22.00000	-16.00000	-2.80000	-0.47188	-3.0500	-35.197E-6	-0.084680	1.1262E-6
	24.00000	-16.00000	-2.80000	-0.57581	-3.0500	-65.736E-6	-0.11611	1.5429E-6
	26.00000	-16.00000	-2.80000	-0.69908	-3.0500	-131.18E-6	-0.16289	2.1614E-6
	28.00000	-16.00000	-2.80000	-0.83619	-3.0500	-267.39E-6	-0.22911	3.0334E-6
	30.00000	-16.00000	-2.80000	-0.96564	-3.0500	-479.14E-6	-0.30331	4.0058E-6
	32.00000	-16.00000	-2.80000	-1.0449	-3.0500	-608.96E-6	-0.34119	4.5005E-6
	34.00000	-16.00000	-2.80000	-1.0337	-3.0500	-499.00E-6	-0.30799	4.0667E-6
	36.00000	-16.00000	-2.80000	-0.93762	-3.0500	-284.55E-6	-0.23353	3.0910E-6
	38.00000	-16.00000	-2.80000	-0.80771	-3.0500	-139.09E-6	-0.16464	2.1841E-6
	40.00000	-16.00000	-2.80000	-0.67267	-3.0500	-68.483E-6	-0.11565	1.5366E-6
	42.00000	-16.00000	-2.80000	-0.54509	-3.0500	-35.862E-6	-0.082924	1.1028E-6
	44.00000	-16.00000	-2.80000	-0.43807	-3.0500	-20.063E-6	-0.060944	0.0
	46.00000	-16.00000	-2.80000	-0.35183	-3.0500	-11.889E-6	-0.045835	0.0
	48.00000	-16.00000	-2.80000	-0.28272	-3.0500	-7.3895E-6	-0.035182	0.0
	50.00000	-16.00000	-2.80000	-0.22727	-3.0500	-4.7772E-6	-0.027491	0.0
	52.00000	-16.00000	-2.80000	-0.18270	-3.0500	-3.1916E-6	-0.021822	0.0
	54.00000	-16.00000	-2.80000	-0.14681	-3.0500	-2.1927E-6	-0.017565	0.0
	56.00000	-16.00000	-2.80000	-0.11789	-3.0500	-1.5430E-6	-0.014316	0.0
	58.00000	-16.00000	-2.80000	-0.094564	-3.0500	-1.1089E-6	-0.011801	0.0
	60.00000	-16.00000	-2.80000	-0.075743	-3.0500	0.0	-0.0098272	0.0
	-10.00000	-14.00000	-2.80000	-0.039130	-3.0500	0.0	-0.0076608	0.0
	-8.00000	-14.00000	-2.80000	-0.045869	-3.0500	0.0	-0.0085736	0.0
	-6.00000	-14.00000	-2.80000	-0.053426	-3.0500	0.0	-0.0095782	0.0
	-4.00000	-14.00000	-2.80000	-0.061883	-3.0500	0.0	-0.010679	0.0
	-2.00000	-14.00000	-2.80000	-0.071366	-3.0500	-1.0700E-6	-0.011882	0.0
	0.00000	-14.00000	-2.80000	-0.082076	-3.0500	-1.2467E-6	-0.013208	0.0
	2.00000	-14.00000	-2.80000	-0.094330	-3.0500	-1.4500E-6	-0.014691	0.0
	4.00000	-14.00000	-2.80000	-0.10862	-3.0500	-1.6974E-6	-0.016401	0.0
	6.00000	-14.00000	-2.80000	-0.12565	-3.0500	-2.0249E-6	-0.018457	0.0
	8.00000	-14.00000	-2.80000	-0.14642	-3.0500	-2.4992E-6	-0.021046	0.0
	10.00000	-14.00000	-2.80000	-0.17229	-3.0500	-3.2383E-6	-0.024457	0.0
	12.00000	-14.00000	-2.80000	-0.20497	-3.0500	-4.4483E-6	-0.029119	0.0
	14.00000	-14.00000	-2.80000	-0.24667	-3.0500	-6.4983E-6	-0.035664	0.0
	16.00000	-14.00000	-2.80000	-0.30014	-3.0500	-10.083E-6	-0.045056	0.0
	18.00000	-14.00000	-2.80000	-0.36884	-3.0500	-16.611E-6	-0.058811	0.0
	20.00000	-14.00000	-2.80000	-0.45720	-3.0500	-29.241E-6	-0.079485	1.0575E-6
	22.00000	-14.00000	-2.80000	-0.57113	-3.0500	-55.990E-6	-0.11175	1.4855E-6
	24.00000	-14.00000	-2.80000	-0.71869	-3.0500	-120.72E-6	-0.16506	2.1911E-6
	26.00000	-14.00000	-2.80000	-0.91060	-3.0500	-309.35E-6	-0.26063	3.4503E-6
	28.00000	-14.00000	-2.80000	-1.1562	-3.0500	-984.73E-6	-0.44695	5.8806E-6
	30.00000	-14.00000	-2.80000	-1.4353	-3.0500	-0.0031572	-0.77436	10.072E-6
	32.00000	-14.00000	-2.80000	-1.6382	-3.0500	-0.0050733	-0.99939	12.919E-6
	34.00000	-14.00000	-2.80000	-1.6225	-3.0500	-0.0034457	-0.80645	10.477E-6
	36.00000	-14.00000	-2.80000	-1.3687	-3.0500	-0.0011119	-0.46772	6.1474E-6
	38.00000	-14.00000	-2.80000	-1.1261	-3.0500	-339.53E-6	-0.26707	3.5338E-6
	40.00000	-14.00000	-2.80000	-0.90064	-3.0500	-127.64E-6	-0.16513	2.1915E-6
	42.00000	-14.00000	-2.80000	-0.68180	-3.0500	-57.159E-6	-0.10935	1.4534E-6
	44.00000	-14.00000	-2.80000	-0.52726	-3.0500	-28.985E-6	-0.076185	1.0135E-6
	46.00000	-14.00000	-2.80000	-0.41290	-3.0500	-16.066E-6	-0.055141	0.0
	48.00000	-14.00000	-2.80000	-0.32577	-3.0500	-9.5139E-6	-0.041117	0.0
	50.00000	-14.00000	-2.80000	-0.25821	-3.0500	-5.9282E-6	-0.031409	0.0
	52.00000	-14.00000	-2.80000	-0.20524	-3.0500	-3.8472E-6	-0.024483	0.0
	54.00000	-14.00000	-2.80000	-0.16340	-3.0500	-2.5816E-6	-0.019416	0.0
	56.00000	-14.00000	-2.80000	-0.13019	-3.0500	-1.7817E-6	-0.015632	0.0
	58.00000	-14.00000	-2.80000	-0.10375	-3.0500	-1.2598E-6	-0.012753	0.0
	60.00000	-14.00000	-2.80000	-0.082642	-3.0500	0.0	-0.010528	0.0
	-10.00000	-12.00000	-2.80000	-0.045932	-3.0500	0.0	-0.0086471	0.0
	-8.00000	-12.00000	-2.80000	-0.053866	-3.0500	0.0	-0.0097497	0.0
	-6.00000	-12.00000	-2.80000	-0.062712	-3.0500	-1.0187E-6	-0.010965	0.0
	-4.00000	-12.00000	-2.80000	-0.072521	-3.0500	-1.2180E-6	-0.012290	0.0
	-2.00000	-12.00000	-2.80000	-0.083373	-3.0500	-1.4380E-6	-0.013722	0.0
	0.00000	-12.00000	-2.80000	-0.095426	-3.0500	-1.6756E-6	-0.015266	0.0
	2.00000	-12.00000	-2.80000	-0.10897	-3.0500	-1.9322E-6	-0.016948	0.0
	4.00000	-12.00000	-2.80000	-0.12452	-3.0500	-2.2215E-6	-0.018834	0.0
	6.00000	-12.00000	-2.80000	-0.14290	-3.0500	-2.5831E-6	-0.021058	0.0
	8.00000	-12.00000	-2.80000	-0.16530	-3.0500	-3.1010E-6	-0.023855	0.0
	10.00000	-12.00000	-2.80000	-0.19345	-3.0500	-3.9344E-6	-0.027603	0.0
	12.00000	-12.00000	-2.80000	-0.22964	-3.0500	-5.3725E-6	-0.032885	0.0
	14.00000	-12.00000	-2.80000	-0.27687	-3.0500	-7.9488E-6	-0.040595	0.0
	16.00000	-12.00000	-2.80000	-0.33906	-3.0500	-12.705E-6	-0.052132	0.0
	18.00000	-12.00000	-2.80000	-0.42139	-3.0500	-21.857E-6	-0.069808	0.0
	20.00000	-12.00000	-2.80000	-0.53097	-3.0500	-40.716E-6	-0.097756	1.3002E-6
	22.00000	-12.00000	-2.80000	-0.67828	-3.0500	-84.248E-6	-0.14426	1.9168E-6
	24.00000	-12.00000	-2.80000	-0.88018	-3.0500	-205.74E-6	-0.22885	3.0349E-6
	26.00000	-12.00000	-2.80000	-1.1670	-3.0500	-678.43E-6	-0.40990	5.4111E-6
	28.00000	-12.00000	-2.80000	-1.5992	-3.0500	-0.0042849	-0.94741	12.289E-6
	30.00000	-12.00000	-2.80000	-2.3216	-3.0500	-0.17697	-4.4509	45.188E-6
	32.00000	-12.00000	-2.80000	-3.0064	-3.0500	-0.51820	-9.1118	80.034E-6
	34.00000	-12.00000	-2.80000	-4.3239	-3.0500	-0.26476	-5.3638	50.337E-6
	36.00000	-12.00000	-2.80000	-2.0102	-3.0500	-0.0055054	-1.0456	13.500E-6
	38.00000	-12.00000	-2.80000	-1.5304	-3.0500	-773.08E-6	-0.42573	5.6146E-6
	40.00000	-12.00000	-2.80000	-1.1753	-3.0500	-218.91E-6	-0.22869	3.0316E-6
	42.00000	-12.00000	-2.80000	-0.82855	-3.0500	-85.210E-6	-0.14023	1.8629E-6
	44.00000	-12.00000	-2.80000	-0.61919	-3.0500	-39.743E-6	-0.092986	1.2366E-6
	46.00000	-12.00000	-2.80000	-0.47416	-3.0500	-20.824E-6	-0.064986	0.0
	48.00000	-12.00000	-2.80000	-0.36806	-3.0500	-11.835E-6	-0.047198	0.0
	50.00000	-12.00000	-2.80000	-0.28808	-3.0500	-7.1455E-6	-0.035320	0.0
	52.00000	-12.00000	-2.80000	-0.22668	-3.0500	-4.5221E-6	-0.027081	0.0
	54.00000	-12.00000	-2.80000	-0.17898	-3.0500	-2.9728E-6	-0.021191	0.0
	56.00000	-12.00000	-2.80000	-0.14163	-3.0500	-2.0172E-6	-0.016872	0.0
	58.00000	-12.00000	-2.80000	-0.11221	-3.0500	-1.4060E-6	-0.013638	0.0
	60.00000	-12.00000	-2.80000	-0.088939	-3.0500	-1.0030E-6	-0.011171	0.0
	-10.00000	-10.00000	-2.80000	-0.053899	-3.0500	0.0	-0.0098405	0.0
	-8.00000	-10.00000	-2.80000	-0.063332	-3.0500	-1.1217E-6	-0.011203	0.0
	-6.00000	-10.00000	-2.80000	-0.073812	-3.0500	-1.3845E-6	-0.012715	0.0
	-4.00000	-10.00000	-2.80000	-0.085329	-3.0500	-1.6867E-6	-0.014361	0.0
	-2.00000	-10.00000	-2.80000	-0.097883	-3.0500	-2.0194E-6	-0.016122	0.0
	0.00000	-10.00000	-2.80000	-0.11153	-3.0500	-2.3675E-6	-0.017975	0.0
	2.00000	-10.00000	-2.80000	-0.12647	-3.0500	-2.7157E-6	-0.019912	0.0
	4.00000	-10.00000	-2.80000	-0.14317	-3.0500	-3.0616E-6	-0.021978	0.0
	6.00000	-10.00000	-2.80000	-0.16249	-3.0500	-3.4380E-6	-0.024306	0.0
	8.00000	-10.00000	-2.80000	-0.18586	-3.0500	-3.9435E-6	-0.027172	0.0
	10.00000	-10.00000	-2.80000	-0.21538	-3.0500	-4.7860E-6	-0.031059	0.0

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	12.00000	-10.00000	-2.80000	-0.25400	-3.0500	-6.3591E-6	-0.036738	0.0
	14.00000	-10.00000	-2.80000	-0.30570	-3.0500	-9.4040E-6	-0.045421	0.0
	16.00000	-10.00000	-2.80000	-0.37575	-3.0500	-15.397E-6	-0.059040	0.0
	18.00000	-10.00000	-2.80000	-0.47137	-3.0500	-27.563E-6	-0.080873	1.0761E-6
	20.00000	-10.00000	-2.80000	-0.60281	-3.0500	-53.888E-6	-0.11696	1.5552E-6
	22.00000	-10.00000	-2.80000	-0.78581	-3.0500	-117.83E-6	-0.17992	2.3895E-6
	24.00000	-10.00000	-2.80000	-1.0472	-3.0500	-308.50E-6	-0.30117	3.9909E-6
	26.00000	-10.00000	-2.80000	-1.4402	-3.0500	-0.0011468	-0.58537	7.7132E-6
	28.00000	-10.00000	-2.80000	-2.0940	-3.0500	-0.0098983	-1.6264	20.894E-6
	30.00000	-10.00000	-2.80000	-3.8478	-3.0500	-5.4359	-24.974	-101.89E-6
	32.00000	-10.00000	-2.80000	-6.9080	-3.0500	-41.918	-89.564	-0.0021592
	34.00000	-10.00000	-2.80000	-6.9226	-3.0500	-20.974	-46.336	-0.0010601
	36.00000	-10.00000	-2.80000	-2.6631	-3.0500	-0.013483	-1.8495	23.581E-6
	38.00000	-10.00000	-2.80000	-1.8830	-3.0500	-0.0013152	-0.60592	7.9738E-6
	40.00000	-10.00000	-2.80000	-1.3926	-3.0500	-321.58E-6	-0.29632	3.9253E-6
	42.00000	-10.00000	-2.80000	-0.96206	-3.0500	-115.32E-6	-0.17189	2.2826E-6
	44.00000	-10.00000	-2.80000	-0.70423	-3.0500	-50.945E-6	-0.10972	1.4588E-6
	46.00000	-10.00000	-2.80000	-0.53052	-3.0500	-25.655E-6	-0.074545	0.0
	48.00000	-10.00000	-2.80000	-0.40654	-3.0500	-14.139E-6	-0.052971	0.0
	50.00000	-10.00000	-2.80000	-0.31494	-3.0500	-8.3285E-6	-0.038958	0.0
	52.00000	-10.00000	-2.80000	-0.24574	-3.0500	-5.1652E-6	-0.029455	0.0
	54.00000	-10.00000	-2.80000	-0.19270	-3.0500	-3.3391E-6	-0.022785	0.0
	56.00000	-10.00000	-2.80000	-0.15160	-3.0500	-2.2340E-6	-0.017970	0.0
	58.00000	-10.00000	-2.80000	-0.11952	-3.0500	-1.5387E-6	-0.014411	0.0
	60.00000	-10.00000	-2.80000	-0.094345	-3.0500	-1.0866E-6	-0.011726	0.0
	-10.00000	-8.00000	-2.80000	-0.063227	-3.0500	-1.1938E-6	-0.011298	0.0
	-8.00000	-8.00000	-2.80000	-0.074578	-3.0500	-1.5291E-6	-0.013027	0.0
	-6.00000	-8.00000	-2.80000	-0.087184	-3.0500	-1.9430E-6	-0.014971	0.0
	-4.00000	-8.00000	-2.80000	-0.10096	-3.0500	-2.4347E-6	-0.017105	0.0
	-2.00000	-8.00000	-2.80000	-0.11576	-3.0500	-2.9866E-6	-0.019378	0.0
	0.00000	-8.00000	-2.80000	-0.13146	-3.0500	-3.5595E-6	-0.021715	0.0
	2.00000	-8.00000	-2.80000	-0.14804	-3.0500	-4.0967E-6	-0.024037	0.0
	4.00000	-8.00000	-2.80000	-0.16578	-3.0500	-4.5468E-6	-0.026318	0.0
	6.00000	-8.00000	-2.80000	-0.18551	-3.0500	-4.9065E-6	-0.028651	0.0
	8.00000	-8.00000	-2.80000	-0.20879	-3.0500	-5.2755E-6	-0.031339	0.0
	10.00000	-8.00000	-2.80000	-0.23819	-3.0500	-5.9196E-6	-0.034980	0.0
	12.00000	-8.00000	-2.80000	-0.27739	-3.0500	-7.3682E-6	-0.040579	0.0
	14.00000	-8.00000	-2.80000	-0.33147	-3.0500	-10.626E-6	-0.049730	0.0
	16.00000	-8.00000	-2.80000	-0.40731	-3.0500	-17.706E-6	-0.065005	0.0
	18.00000	-8.00000	-2.80000	-0.51437	-3.0500	-33.062E-6	-0.090805	1.2081E-6
	20.00000	-8.00000	-2.80000	-0.66636	-3.0500	-67.898E-6	-0.13537	1.7995E-6
	22.00000	-8.00000	-2.80000	-0.88453	-3.0500	-155.26E-6	-0.21601	2.8677E-6
	24.00000	-8.00000	-2.80000	-1.2048	-3.0500	-417.54E-6	-0.37531	4.9707E-6
	26.00000	-8.00000	-2.80000	-1.6956	-3.0500	-0.0015250	-0.74860	9.8594E-6
	28.00000	-8.00000	-2.80000	-2.5121	-3.0500	-0.011912	-2.0470	26.341E-6
	30.00000	-8.00000	-2.80000	-4.5236	-3.0500	-5.4547	-26.336	-85.239E-6
	32.00000	-8.00000	-2.80000	-7.7701	-3.0500	-41.958	-91.842	-0.0021321
	34.00000	-8.00000	-2.80000	-7.6531	-3.0500	-20.996	-47.805	-0.0010423
	36.00000	-8.00000	-2.80000	-3.1170	-3.0500	-0.015802	-2.2665	28.956E-6
	38.00000	-8.00000	-2.80000	-2.1550	-3.0500	-0.0016546	-0.74436	9.7924E-6
	40.00000	-8.00000	-2.80000	-1.5618	-3.0500	-402.40E-6	-0.35406	4.6886E-6
	42.00000	-8.00000	-2.80000	-1.0699	-3.0500	-141.11E-6	-0.19968	2.6512E-6
	44.00000	-8.00000	-2.80000	-0.77431	-3.0500	-60.830E-6	-0.12442	1.6541E-6
	46.00000	-8.00000	-2.80000	-0.57712	-3.0500	-29.941E-6	-0.082860	1.1024E-6
	48.00000	-8.00000	-2.80000	-0.43821	-3.0500	-16.172E-6	-0.057922	0.0
	50.00000	-8.00000	-2.80000	-0.33687	-3.0500	-9.3606E-6	-0.042031	0.0
	52.00000	-8.00000	-2.80000	-0.26118	-3.0500	-5.7191E-6	-0.031430	0.0
	54.00000	-8.00000	-2.80000	-0.20370	-3.0500	-3.6502E-6	-0.024093	0.0
	56.00000	-8.00000	-2.80000	-0.15954	-3.0500	-2.4157E-6	-0.018860	0.0
	58.00000	-8.00000	-2.80000	-0.12530	-3.0500	-1.6485E-6	-0.015030	0.0
	60.00000	-8.00000	-2.80000	-0.098588	-3.0500	-1.1550E-6	-0.012166	0.0
	-10.00000	-6.00000	-2.80000	-0.074113	-3.0500	-1.6066E-6	-0.013088	0.0
	-8.00000	-6.00000	-2.80000	-0.087947	-3.0500	-2.1323E-6	-0.015340	0.0
	-6.00000	-6.00000	-2.80000	-0.10339	-3.0500	-2.8162E-6	-0.017935	0.0
	-4.00000	-6.00000	-2.80000	-0.12026	-3.0500	-3.6730E-6	-0.020843	0.0
	-2.00000	-6.00000	-2.80000	-0.13823	-3.0500	-4.6819E-6	-0.023973	0.0
	0.00000	-6.00000	-2.80000	-0.15682	-3.0500	-5.7600E-6	-0.027155	0.0
	2.00000	-6.00000	-2.80000	-0.17561	-3.0500	-6.7507E-6	-0.030162	0.0
	4.00000	-6.00000	-2.80000	-0.19445	-3.0500	-7.4625E-6	-0.032792	0.0
	6.00000	-6.00000	-2.80000	-0.21390	-3.0500	-7.7677E-6	-0.035003	0.0
	8.00000	-6.00000	-2.80000	-0.23557	-3.0500	-7.7251E-6	-0.037080	0.0
	10.00000	-6.00000	-2.80000	-0.26251	-3.0500	-7.6774E-6	-0.039759	0.0
	12.00000	-6.00000	-2.80000	-0.29929	-3.0500	-8.3526E-6	-0.044347	0.0
	14.00000	-6.00000	-2.80000	-0.35230	-3.0500	-11.114E-6	-0.052925	0.0
	16.00000	-6.00000	-2.80000	-0.43022	-3.0500	-18.657E-6	-0.068827	0.0
	18.00000	-6.00000	-2.80000	-0.54501	-3.0500	-36.975E-6	-0.097763	1.3005E-6
	20.00000	-6.00000	-2.80000	-0.71410	-3.0500	-81.525E-6	-0.15057	2.0010E-6
	22.00000	-6.00000	-2.80000	-0.96479	-3.0500	-199.58E-6	-0.25047	3.3236E-6
	24.00000	-6.00000	-2.80000	-1.3428	-3.0500	-569.41E-6	-0.45487	6.0194E-6
	26.00000	-6.00000	-2.80000	-1.9288	-3.0500	-0.0020956	-0.93474	12.295E-6
	28.00000	-6.00000	-2.80000	-2.8739	-3.0500	-0.013745	-2.4369	31.393E-6
	30.00000	-6.00000	-2.80000	-4.9859	-3.0500	-5.4576	-26.886	-78.125E-6
	32.00000	-6.00000	-2.80000	-8.2419	-3.0500	-41.960	-92.365	-0.0021253
	34.00000	-6.00000	-2.80000	-8.0466	-3.0500	-20.997	-48.167	-0.0010376
	36.00000	-6.00000	-2.80000	-3.3952	-3.0500	-0.016325	-2.4508	31.372E-6
	38.00000	-6.00000	-2.80000	-2.3366	-3.0500	-0.0018083	-0.82943	10.914E-6
	40.00000	-6.00000	-2.80000	-1.6786	-3.0500	-451.75E-6	-0.39459	5.2251E-6
	42.00000	-6.00000	-2.80000	-1.1455	-3.0500	-159.05E-6	-0.22018	2.9230E-6
	44.00000	-6.00000	-2.80000	-0.82383	-3.0500	-68.098E-6	-0.13540	1.7999E-6
	46.00000	-6.00000	-2.80000	-0.61006	-3.0500	-33.156E-6	-0.089049	1.1847E-6
	48.00000	-6.00000	-2.80000	-0.46050	-3.0500	-17.700E-6	-0.061569	0.0
	50.00000	-6.00000	-2.80000	-0.35220	-3.0500	-10.132E-6	-0.044265	0.0
	52.00000	-6.00000	-2.80000	-0.27188	-3.0500	-6.1291E-6	-0.032846	0.0
	54.00000	-6.00000	-2.80000	-0.21127	-3.0500	-3.8780E-6	-0.025018	0.0
	56.00000	-6.00000	-2.80000	-0.16495	-3.0500	-2.5472E-6	-0.019480	0.0
	58.00000	-6.00000	-2.80000	-0.12921	-3.0500	-1.7270E-6	-0.015457	0.0
	60.00000	-6.00000	-2.80000	-0.10144	-3.0500	-1.2033E-6	-0.012466	0.0
	-10.00000	-4.00000	-2.80000	-0.086720	-3.0500	-2.1871E-6	-0.015285	0.0
	-8.00000	-4.00000	-2.80000	-0.10379	-3.0500	-3.0312E-6	-0.018293	0.0
	-6.00000	-4.00000	-2.80000	-0.12308	-3.0500	-4.2062E-6	-0.021885	0.0
	-4.00000	-4.00000	-2.80000	-0.14435	-3.0500	-5.7936E-6	-0.026064	0.0
	-2.00000	-4.00000	-2.80000	-0.16701	-3.0500	-7.8161E-6	-0.030710	0.0
	0.00000	-4.00000	-2.80000	-0.19009	-3.0500	-10.138E-6	-0.035508	0.0
	2.00000	-4.00000	-2.80000	-0.21237	-3.0500	-12.363E-6	-0.039922	0.0
	4.00000	-4.00000	-2.80000	-0.23279	-3.0500	-13.878E-6	-0.043321	0.0
	6.00000	-4.00000	-2.80000	-0.25119	-3.0500	-14.134E-6	-0.045286	0.0
	8.00000	-4.00000	-2.80000	-0.26905	-3.0500	-13.019E-6	-0.045976	0.0
	10.00000	-4.00000	-2.80000	-0.28994	-3.0500	-11.025E-6	-0.046321	0.0
	12.00000	-4.00000	-2.80000	-0.31962	-3.0500	-9.2444E-6	-0.048088	0.0
	14.00000	-4.00000	-2.80000	-0.36612	-3.0500	-9.6008E-6	-0.054032	0.0
	16.00000	-4.00000	-2.80000	-0.44019	-3.0500	-15.748E-6	-0.068444	0.0
	18.00000	-4.00000	-2.80000	-0.55651	-3.0500	-35.653E-6	-0.098556	1.3112E-6
	20.00000	-4.00000	-2.80000	-0.73647	-3.0500	-90.436E-6	-0.15825	2.1027E-6
	22.00000	-4.00000	-2.80000	-1.0143	-3.0500	-251.19E-6	-0.27890	3.6986E-6
	24.00000	-4.00000	-2.80000	-1.4503	-3.0500	-845.79E-6	-0.54719	7.2282E-6
	26.00000	-4.00000	-2.80000	-2.1579	-3.0500	-0.0045394	-1.2883	16.814E-6
	28.00000	-4.00000	-2.80000	-3.3565	-3.0500	-0.075390	-4.4868	53.793E-6
	30.00000	-4.00000	-2.80000	-5.5744	-3.0500	-5.5735	-29.901	-47.206E-6
	32.00000	-4.00000	-2.80000	-8.6339	-3.0500	-42.009	-93.599	-0.0021127
	34.00000	-4.00000	-2.80000	-8.2973	-3.0500	-21.020	-48.718	-0.0010321
	36.00000	-4.00000	-2.80000	-3.5466	-3.0500	-0.016765	-2.5591	32.780E-6
	38.00000	-4.00000	-2.80000	-2.4326	-3.0500	-0.0018825	-0.87530	11.520E-6
	40.00000	-4.00000	-2.80000	-1.7396	-3.0500	-476.70E-6	-0.41697	5.5215E-6
	42.00000	-4.00000	-2.80000	-1.1845	-3.0500	-168.70E-6	-0.23163	3.0750E-6
	44.00000	-4.00000	-2.80000	-0.84909	-3.0500	-72.127E-6	-0.14151	1.8811E-6
	46.00000	-4.00000	-2.80000	-0.62663	-3.0500	-34.953E-6	-0.092449	1.2299E-6
	48.00000	-4.00000	-2.80000	-0.47154	-3.0500	-18.551E-6	-0.063535	0.0
	50.00000	-4.00000	-2.80000	-0.35967	-3.0500	-10.557E-6	-0.045444	0.0
	52.00000	-4.00000	-2.80000	-0.27701	-3.0500	-6.3521E-6	-0.033576	0.0
	54.00000	-4.00000	-2.80000	-0.21484	-3.0500	-3.9999E-6	-0.025483	0.0
	56.00000	-4.00000	-2.80000	-0.16747	-3.0500	-2.6163E-6	-0.019785	0.0
	58.00000	-4.00000	-2.80000	-0.13101	-3.0500	-1.7675E-6	-0.015661	0.0
	60.00000	-4.00000	-2.80000	-0.10272	-3.0500	-1.2278E-6	-0.012605	0.0
	-10.00000	-2.00000	-2.80000	-0.10113	-3.0500	-2.9935E-6	-0.017962	0.0
	-8.00000	-2.00000	-2.80000	-0.12238	-3.0500	-4.3652E-6	-0.022051	0.0
	-6.00000	-2.00000	-2.80000	-0.14691	-3.0500	-6.4387E-6	-0.027182	0.0
	-4.00000	-2.00000	-2.80000	-0.17453	-3.0500	-9.5303E-6	-0.033496	0.0
	-2.00000	-2.00000	-2.80000	-0.20446	-3.0500	-13.939E-6	-0.040953	0.0
	0.00000	-2.00000	-2.80000	-0.23504	-3.0500	-19.630E-6	-0.049081	0.0
	2.00000	-2.00000	-2.80000	-0.26362	-3.0500	-25.684E-6	-0.056733	0.0
	4.00000	-2.00000	-2.80000	-0.28721	-3.0500	-30.056E-6	-0.062178	0.0

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 [-]
	6.00000	-2.00000	-2.80000	-0.30392	-3.0500	-30.569E-6	-0.063908	0.0
	8.00000	-2.00000	-2.80000	-0.31467	-3.0500	-26.521E-6	-0.061680	0.0
	10.00000	-2.00000	-2.80000	-0.32386	-3.0500	-18.962E-6	-0.056856	0.0
	12.00000	-2.00000	-2.80000	-0.33903	-3.0500	-9.8514E-6	-0.052064	0.0
	14.00000	-2.00000	-2.80000	-0.37049	-3.0500	-2.0679E-6	-0.051112	0.0
	16.00000	-2.00000	-2.80000	-0.43156	-3.0500	-1.0433E-6	-0.059669	0.0
	18.00000	-2.00000	-2.80000	-0.53986	-3.0500	-17.745E-6	-0.086831	1.1563E-6
	20.00000	-2.00000	-2.80000	-0.72048	-3.0500	-79.430E-6	-0.14953	1.9873E-6
	22.00000	-2.00000	-2.80000	-1.0142	-3.0500	-285.07E-6	-0.28776	3.8139E-6
	24.00000	-2.00000	-2.80000	-1.4979	-3.0500	-0.0011847	-0.62668	8.2609E-6
	26.00000	-2.00000	-2.80000	-2.3396	-3.0500	-0.0098971	-1.8013	23.225E-6
	28.00000	-2.00000	-2.80000	-4.4298	-3.0500	-5.4210	-25.255	-96.942E-6
	30.00000	-2.00000	-2.80000	-8.1247	-3.0500	-41.932	-92.005	-0.0021278
	32.00000	-2.00000	-2.80000	-8.8748	-3.0500	-42.006	-94.287	-0.0021033
	34.00000	-2.00000	-2.80000	-8.3784	-3.0500	-21.014	-48.773	-0.0010308
	36.00000	-2.00000	-2.80000	-3.5770	-3.0500	-0.016823	-2.5911	33.202E-6
	38.00000	-2.00000	-2.80000	-2.4429	-3.0500	-0.0018993	-0.88599	11.661E-6
	40.00000	-2.00000	-2.80000	-1.7422	-3.0500	-481.34E-6	-0.42087	5.5731E-6
	42.00000	-2.00000	-2.80000	-1.1843	-3.0500	-170.17E-6	-0.23314	3.0949E-6
	44.00000	-2.00000	-2.80000	-0.84791	-3.0500	-72.639E-6	-0.14210	1.8889E-6
	46.00000	-2.00000	-2.80000	-0.62529	-3.0500	-35.144E-6	-0.092663	1.2327E-6
	48.00000	-2.00000	-2.80000	-0.47030	-3.0500	-18.625E-6	-0.063593	0.0
	50.00000	-2.00000	-2.80000	-0.35862	-3.0500	-10.586E-6	-0.045438	0.0
	52.00000	-2.00000	-2.80000	-0.27614	-3.0500	-6.3621E-6	-0.033545	0.0
	54.00000	-2.00000	-2.80000	-0.21414	-3.0500	-4.0025E-6	-0.025445	0.0
	56.00000	-2.00000	-2.80000	-0.16690	-3.0500	-2.6161E-6	-0.019747	0.0
	58.00000	-2.00000	-2.80000	-0.13055	-3.0500	-1.7662E-6	-0.015626	0.0
	60.00000	-2.00000	-2.80000	-0.10236	-3.0500	-1.2262E-6	-0.012575	0.0
	-10.00000	0.00000	-2.80000	-0.11725	-3.0500	-4.0856E-6	-0.021161	0.0
	-8.00000	0.00000	-2.80000	-0.14382	-3.0500	-6.3076E-6	-0.026770	0.0
	-6.00000	0.00000	-2.80000	-0.17541	-3.0500	-10.003E-6	-0.034244	0.0
	-4.00000	0.00000	-2.80000	-0.21225	-3.0500	-16.231E-6	-0.044164	0.0
	-2.00000	0.00000	-2.80000	-0.25372	-3.0500	-26.577E-6	-0.057004	0.0
	0.00000	0.00000	-2.80000	-0.29749	-3.0500	-42.498E-6	-0.072511	0.0
	2.00000	0.00000	-2.80000	-0.33859	-3.0500	-62.609E-6	-0.088499	1.1750E-6
	4.00000	0.00000	-2.80000	-0.36972	-3.0500	-79.194E-6	-0.10014	1.3288E-6
	6.00000	0.00000	-2.80000	-0.38468	-3.0500	-81.942E-6	-0.10226	1.3569E-6
	8.00000	0.00000	-2.80000	-0.38297	-3.0500	-68.153E-6	-0.093516	1.2414E-6
	10.00000	0.00000	-2.80000	-0.37092	-3.0500	-42.489E-6	-0.076871	1.0215E-6
	12.00000	0.00000	-2.80000	-0.35937	-3.0500	-9.3408E-6	-0.056960	0.0
	14.00000	0.00000	-2.80000	-0.36198	-3.0500	28.426E-6	-0.039147	0.0
	16.00000	0.00000	-2.80000	-0.39568	-3.0500	59.902E-6	-0.031662	0.0
	18.00000	0.00000	-2.80000	-0.48177	-3.0500	63.067E-6	-0.047144	0.0
	20.00000	0.00000	-2.80000	-0.64805	-3.0500	6.2572E-6	-0.10484	1.3984E-6
	22.00000	0.00000	-2.80000	-0.93832	-3.0500	-222.79E-6	-0.24897	3.3017E-6
	24.00000	0.00000	-2.80000	-1.4375	-3.0500	-0.0012948	-0.62582	8.2407E-6
	26.00000	0.00000	-2.80000	-2.3382	-3.0500	-0.011748	-1.9948	25.657E-6
	28.00000	0.00000	-2.80000	-4.5754	-3.0500	-5.4555	-26.596	-81.832E-6
	30.00000	0.00000	-2.80000	-8.2683	-3.0500	-41.973	-93.511	-0.0021110
	32.00000	0.00000	-2.80000	-8.8048	-3.0500	-41.980	-93.994	-0.0021051
	34.00000	0.00000	-2.80000	-8.2500	-3.0500	-20.999	-48.464	-0.0010337
	36.00000	0.00000	-2.80000	-3.4678	-3.0500	-0.016512	-2.5328	32.449E-6
	38.00000	0.00000	-2.80000	-2.3596	-3.0500	-0.0018504	-0.85661	11.273E-6
	40.00000	0.00000	-2.80000	-1.6828	-3.0500	-463.48E-6	-0.40459	5.3575E-6
	42.00000	0.00000	-2.80000	-1.1431	-3.0500	-162.82E-6	-0.22406	2.9744E-6
	44.00000	0.00000	-2.80000	-0.81959	-3.0500	-69.430E-6	-0.13690	1.8198E-6
	46.00000	0.00000	-2.80000	-0.60574	-3.0500	-33.657E-6	-0.089580	1.1917E-6
	48.00000	0.00000	-2.80000	-0.45667	-3.0500	-17.894E-6	-0.061693	0.0
	50.00000	0.00000	-2.80000	-0.34899	-3.0500	-10.206E-6	-0.044223	0.0
	52.00000	0.00000	-2.80000	-0.26925	-3.0500	-6.1546E-6	-0.032742	0.0
	54.00000	0.00000	-2.80000	-0.20915	-3.0500	-3.8838E-6	-0.024898	0.0
	56.00000	0.00000	-2.80000	-0.16325	-3.0500	-2.5454E-6	-0.019364	0.0
	58.00000	0.00000	-2.80000	-0.12786	-3.0500	-1.7226E-6	-0.015352	0.0
	60.00000	0.00000	-2.80000	-0.10035	-3.0500	-1.1984E-6	-0.012375	0.0
	-10.00000	2.00000	-2.80000	-0.13476	-3.0500	-5.5027E-6	-0.024867	0.0
	-8.00000	2.00000	-2.80000	-0.16785	-3.0500	-9.0245E-6	-0.032523	0.0
	-6.00000	2.00000	-2.80000	-0.20868	-3.0500	-15.522E-6	-0.043441	0.0
	-4.00000	2.00000	-2.80000	-0.25861	-3.0500	-28.169E-6	-0.059322	0.0
	-2.00000	2.00000	-2.80000	-0.31836	-3.0500	-53.874E-6	-0.082608	1.0971E-6
	0.00000	2.00000	-2.80000	-0.38619	-3.0500	-105.46E-6	-0.11569	1.5341E-6
	2.00000	2.00000	-2.80000	-0.45409	-3.0500	-192.18E-6	-0.15651	2.0714E-6
	4.00000	2.00000	-2.80000	-0.50879	-3.0500	-280.07E-6	-0.19045	2.5169E-6
	6.00000	2.00000	-2.80000	-0.51965	-3.0500	-296.90E-6	-0.19608	2.5906E-6
	8.00000	2.00000	-2.80000	-0.49515	-3.0500	-236.04E-6	-0.16946	2.2406E-6
	10.00000	2.00000	-2.80000	-0.44410	-3.0500	-135.34E-6	-0.12230	1.6198E-6
	12.00000	2.00000	-2.80000	-0.38451	-3.0500	-5.6311E-6	-0.064663	0.0
	14.00000	2.00000	-2.80000	-0.33436	-3.0500	189.21E-6	-506.50E-6	0.0
	16.00000	2.00000	-2.80000	-0.31602	-3.0500	424.14E-6	0.056462	0.0
	18.00000	2.00000	-2.80000	-0.35873	-3.0500	522.57E-6	0.074160	0.0
	20.00000	2.00000	-2.80000	-0.49138	-3.0500	494.33E-6	0.034852	0.0
	22.00000	2.00000	-2.80000	-0.75361	-3.0500	285.66E-6	-0.097152	1.3182E-6
	24.00000	2.00000	-2.80000	-1.2245	-3.0500	-785.56E-6	-0.46396	6.1233E-6
	26.00000	2.00000	-2.80000	-2.0881	-3.0500	-0.011239	-1.8156	23.309E-6
	28.00000	2.00000	-2.80000	-4.2694	-3.0500	-5.4549	-26.372	-84.772E-6
	30.00000	2.00000	-2.80000	-7.8874	-3.0500	-41.971	-93.175	-0.0021154
	32.00000	2.00000	-2.80000	-8.3769	-3.0500	-41.977	-93.567	-0.0021106
	34.00000	2.00000	-2.80000	-7.8636	-3.0500	-20.997	-48.130	-0.0010381
	36.00000	2.00000	-2.80000	-3.1837	-3.0500	-0.015989	-2.3577	30.157E-6
	38.00000	2.00000	-2.80000	-2.1697	-3.0500	-0.0016993	-0.77565	10.206E-6
	40.00000	2.00000	-2.80000	-1.5581	-3.0500	-415.71E-6	-0.36590	4.8454E-6
	42.00000	2.00000	-2.80000	-1.0611	-3.0500	-145.60E-6	-0.20432	2.7127E-6
	44.00000	2.00000	-2.80000	-0.76518	-3.0500	-62.475E-6	-0.12618	1.6774E-6
	46.00000	2.00000	-2.80000	-0.56906	-3.0500	-30.572E-6	-0.083421	1.1098E-6
	48.00000	2.00000	-2.80000	-0.43148	-3.0500	-16.417E-6	-0.057980	0.0
	50.00000	2.00000	-2.80000	-0.33139	-3.0500	-9.4516E-6	-0.041890	0.0
	52.00000	2.00000	-2.80000	-0.25676	-3.0500	-5.7475E-6	-0.031221	0.0
	54.00000	2.00000	-2.80000	-0.20016	-3.0500	-3.6535E-6	-0.023875	0.0
	56.00000	2.00000	-2.80000	-0.15671	-3.0500	-2.4096E-6	-0.018657	0.0
	58.00000	2.00000	-2.80000	-0.12305	-3.0500	-1.6396E-6	-0.014852	0.0
	60.00000	2.00000	-2.80000	-0.096797	-3.0500	-1.1461E-6	-0.012013	0.0
	-10.00000	4.00000	-2.80000	-0.15294	-3.0500	-7.2274E-6	-0.028959	0.0
	-8.00000	4.00000	-2.80000	-0.19363	-3.0500	-12.573E-6	-0.039193	0.0
	-6.00000	4.00000	-2.80000	-0.24588	-3.0500	-23.492E-6	-0.054833	0.0
	-4.00000	4.00000	-2.80000	-0.31345	-3.0500	-48.281E-6	-0.079956	1.0622E-6
	-2.00000	4.00000	-2.80000	-0.40104	-3.0500	-112.95E-6	-0.12284	1.6288E-6
	0.00000	4.00000	-2.80000	-0.51263	-3.0500	-310.06E-6	-0.20035	2.6466E-6
	2.00000	4.00000	-2.80000	-0.64188	-3.0500	-892.11E-6	-0.33412	4.3836E-6
	4.00000	4.00000	-2.80000	-0.74879	-3.0500	-0.0017483	-0.48120	6.2761E-6
	6.00000	4.00000	-2.80000	-0.76930	-3.0500	-0.0018513	-0.50299	6.5584E-6
	8.00000	4.00000	-2.80000	-0.69610	-3.0500	-0.0013659	-0.40240	5.2561E-6
	10.00000	4.00000	-2.80000	-0.56891	-3.0500	-769.28E-6	-0.25548	3.3449E-6
	12.00000	4.00000	-2.80000	-0.42225	-3.0500	-39.002E-6	-0.084788	1.1274E-6
	14.00000	4.00000	-2.80000	-0.27528	-3.0500	0.0017421	0.15228	-1.8911E-6
	16.00000	4.00000	-2.80000	-0.14771	-3.0500	0.0084919	0.54926	-6.6441E-6
	18.00000	4.00000	-2.80000	-0.11632	-3.0500	0.0075298	0.62967	-7.7932E-6
	20.00000	4.00000	-2.80000	-0.19508	-3.0500	0.0068498	0.60850	-7.5653E-6
	22.00000	4.00000	-2.80000	-0.40219	-3.0500	0.0091187	0.57050	-6.8771E-6
	24.00000	4.00000	-2.80000	-0.80829	-3.0500	0.0064481	0.20894	-2.2700E-6
	26.00000	4.00000	-2.80000	-1.5429	-3.0500	-0.0031859	-0.95129	12.429E-6
	28.00000	4.00000	-2.80000	-3.4573	-3.0500	-5.4239	-24.407	-108.48E-6
	30.00000	4.00000	-2.80000	-6.8316	-3.0500	-41.917	-90.171	-0.0021511
	32.00000	4.00000	-2.80000	-7.2870	-3.0500	-41.923	-90.619	-0.0021456
	34.00000	4.00000	-2.80000	-6.9887	-3.0500	-20.969	-46.403	-0.0010588
	36.00000	4.00000	-2.80000	-2.6625	-3.0500	-0.013408	-1.8995	24.253E-6
	38.00000	4.00000	-2.80000	-1.8633	-3.0500	-0.0013358	-0.62789	8.2651E-6
	40.00000	4.00000	-2.80000	-1.3674	-3.0500	-330.68E-6	-0.30536	4.0450E-6
	42.00000	4.00000	-2.80000	-0.94131	-3.0500	-118.86E-6	-0.17546	2.3300E-6
	44.00000	4.00000	-2.80000	-0.68819	-3.0500	-52.335E-6	-0.11096	1.4752E-6
	46.00000	4.00000	-2.80000	-0.51797	-3.0500	-26.205E-6	-0.074783	0.0
	48.00000	4.00000	-2.80000	-0.39663	-3.0500	-14.350E-6	-0.052796	0.0
	50.00000	4.00000	-2.80000	-0.30707	-3.0500	-8.4002E-6	-0.038635	0.0
	52.00000	4.00000	-2.80000	-0.23950	-3.0500	-5.1803E-6	-0.029100	0.0
	54.00000	4.00000	-2.80000	-0.18774	-3.0500	-3.3322E-6	-0.022448	0.0
	56.00000	4.00000	-2.80000	-0.14767	-3.0500	-2.2199E-6	-0.017671	0.0
	58.00000	4.00000	-2.80000	-0.11640	-3.0500	-1.5236E-6	-0.014153	0.0
	60.00000	4.00000	-2.80000	-0.091865	-3.0500	-1.0728E-6	-0.011508	0.0
	-10.00000	6.00000	-2.80000	-0.17075	-3.0500	-9.1497E-6	-0.033180	0.0
	-8.00000	6.00000	-2.80000	-0.21961	-3.0500	-16.756E-6	-0.046370	0.0
	-6.00000	6.00000	-2.80000	-0.28480	-3.0500	-33.683E-6	-0.067798	0.0
	-4.00000	6.00000	-2.80000	-0.37384	-3.0500	-77.666E-6	-0.10549	1.4003E-6
	-2.00000	6.00000	-2.80000	-0.49940	-3.0500	-224.87E-6	-0.18039	2.3872E-6

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	0.00000	6.00000	-2.80000	-0.68364	-3.0500	-0.0010441	-0.36550	4.7898E-6
	2.00000	6.00000	-2.80000	-0.96302	-3.0500	-0.017769	-1.0954	13.184E-6
	4.00000	6.00000	-2.80000	-1.2792	-3.0500	-0.066844	-2.6153	29.523E-6
	6.00000	6.00000	-2.80000	-1.3125	-3.0500	-0.064695	-2.6253	29.828E-6
	8.00000	6.00000	-2.80000	-1.1001	-3.0500	-0.052684	-1.9071	21.214E-6
	10.00000	6.00000	-2.80000	-0.80876	-3.0500	-0.033139	-1.1672	12.911E-6
	12.00000	6.00000	-2.80000	-0.48395	-3.0500	-910.47E-6	-0.16734	2.1583E-6
	14.00000	6.00000	-2.80000	-0.18652	-3.0500	0.013656	0.62307	-7.2151E-6
	16.00000	6.00000	-2.80000	1.8131	-3.0500	36.034	54.380	0.0021577
	18.00000	6.00000	-2.80000	0.50033	-3.0500	1.9870	9.8695	27.370E-6
	20.00000	6.00000	-2.80000	0.38768	-3.0500	0.52714	5.6273	-32.860E-6
	22.00000	6.00000	-2.80000	1.8339	-3.0500	36.041	54.969	0.0021504
	24.00000	6.00000	-2.80000	0.022555	-3.0500	1.9798	9.4529	32.343E-6
	26.00000	6.00000	-2.80000	-0.64085	-3.0500	0.50908	4.2208	-15.551E-6
	28.00000	6.00000	-2.80000	0.070921	-3.0500	35.791	49.891	0.0021981
	30.00000	6.00000	-2.80000	-2.5597	-3.0500	-0.33649	-7.2612	69.897E-6
	32.00000	6.00000	-2.80000	-2.9474	-3.0500	-0.34170	-7.8629	77.502E-6
	34.00000	6.00000	-2.80000	-2.7987	-3.0500	-0.17480	-4.6225	47.649E-6
	36.00000	6.00000	-2.80000	-1.9150	-3.0500	-0.0051546	-1.0388	13.438E-6
	38.00000	6.00000	-2.80000	-1.4495	-3.0500	-764.82E-6	-0.43204	5.6994E-6
	40.00000	6.00000	-2.80000	-1.1057	-3.0500	-221.40E-6	-0.23212	3.0773E-6
	42.00000	6.00000	-2.80000	-0.79255	-3.0500	-86.850E-6	-0.14147	1.8793E-6
	44.00000	6.00000	-2.80000	-0.59551	-3.0500	-40.502E-6	-0.093098	1.2381E-6
	46.00000	6.00000	-2.80000	-0.45688	-3.0500	-21.134E-6	-0.064604	0.0
	48.00000	6.00000	-2.80000	-0.35488	-3.0500	-11.942E-6	-0.046641	0.0
	50.00000	6.00000	-2.80000	-0.27783	-3.0500	-7.1659E-6	-0.034739	0.0
	52.00000	6.00000	-2.80000	-0.21864	-3.0500	-4.5085E-6	-0.026541	0.0
	54.00000	6.00000	-2.80000	-0.17265	-3.0500	-2.9484E-6	-0.020715	0.0
	56.00000	6.00000	-2.80000	-0.13663	-3.0500	-1.9915E-6	-0.016466	0.0
	58.00000	6.00000	-2.80000	-0.10825	-3.0500	-1.3829E-6	-0.013296	0.0
	60.00000	6.00000	-2.80000	-0.085803	-3.0500	0.0	-0.010886	0.0
	-10.00000	8.00000	-2.80000	-0.18679	-3.0500	-11.061E-6	-0.037148	0.0
	-8.00000	8.00000	-2.80000	-0.24357	-3.0500	-21.058E-6	-0.053327	0.0
	-6.00000	8.00000	-2.80000	-0.32172	-3.0500	-44.619E-6	-0.080839	1.0743E-6
	-4.00000	8.00000	-2.80000	-0.43323	-3.0500	-111.19E-6	-0.13243	1.7569E-6
	-2.00000	8.00000	-2.80000	-0.60095	-3.0500	-368.28E-6	-0.24590	3.2493E-6
	0.00000	8.00000	-2.80000	-0.87503	-3.0500	-0.0023821	-0.59128	7.6931E-6
	2.00000	8.00000	-2.80000	-1.4545	-3.0500	-0.58053	-4.7767	17.247E-6
	4.00000	8.00000	-2.80000	-2.8721	-3.0500	-9.7314	-29.460	-385.71E-6
	6.00000	8.00000	-2.80000	-2.8041	-3.0500	-9.3069	-26.161	-395.74E-6
	8.00000	8.00000	-2.80000	-2.1555	-3.0500	-8.9865	-20.158	-450.15E-6
	10.00000	8.00000	-2.80000	-1.7917	-3.0500	-14.102	-22.965	-821.93E-6
	12.00000	8.00000	-2.80000	-0.53005	-3.0500	0.0018581	-0.046959	0.0
	14.00000	8.00000	-2.80000	-0.14718	-3.0500	0.010034	0.72224	-8.8270E-6
	16.00000	8.00000	-2.80000	0.40752	-3.0500	0.72423	6.9049	-34.126E-6
	18.00000	8.00000	-2.80000	1.3579	-3.0500	7.1340	29.868	172.48E-6
	20.00000	8.00000	-2.80000	1.4545	-3.0500	7.1409	30.316	167.06E-6
	22.00000	8.00000	-2.80000	1.3774	-3.0500	7.1454	30.390	166.43E-6
	24.00000	8.00000	-2.80000	0.98314	-3.0500	5.5345	25.499	102.78E-6
	26.00000	8.00000	-2.80000	0.22706	-3.0500	-1.6378	13.705	-313.75E-6
	28.00000	8.00000	-2.80000	-0.19564	-3.0500	-1.6370	13.250	-307.62E-6
	30.00000	8.00000	-2.80000	-0.56438	-3.0500	-0.90969	15.026	-273.13E-6
	32.00000	8.00000	-2.80000	-1.2231	-3.0500	0.26969	2.5708	-12.702E-6
	34.00000	8.00000	-2.80000	-1.4316	-3.0500	-0.0016667	-0.62253	8.1671E-6
	36.00000	8.00000	-2.80000	-1.2502	-3.0500	-950.87E-6	-0.43659	5.7452E-6
	38.00000	8.00000	-2.80000	-1.0228	-3.0500	-319.58E-6	-0.26035	3.4457E-6
	40.00000	8.00000	-2.80000	-0.81684	-3.0500	-125.05E-6	-0.16286	2.1614E-6
	42.00000	8.00000	-2.80000	-0.63673	-3.0500	-56.956E-6	-0.10789	1.4340E-6
	44.00000	8.00000	-2.80000	-0.49754	-3.0500	-29.027E-6	-0.074904	0.0
	46.00000	8.00000	-2.80000	-0.39142	-3.0500	-16.072E-6	-0.053976	0.0
	48.00000	8.00000	-2.80000	-0.30956	-3.0500	-9.4794E-6	-0.040083	0.0
	50.00000	8.00000	-2.80000	-0.24572	-3.0500	-5.8770E-6	-0.030518	0.0
	52.00000	8.00000	-2.80000	-0.19551	-3.0500	-3.7945E-6	-0.023730	0.0
	54.00000	8.00000	-2.80000	-0.15577	-3.0500	-2.5341E-6	-0.018788	0.0
	56.00000	8.00000	-2.80000	-0.12419	-3.0500	-1.7417E-6	-0.015112	0.0
	58.00000	8.00000	-2.80000	-0.099015	-3.0500	-1.2272E-6	-0.012325	0.0
	60.00000	8.00000	-2.80000	-0.078896	-3.0500	0.0	-0.010176	0.0
	-10.00000	10.00000	-2.80000	-0.19956	-3.0500	-12.701E-6	-0.040424	0.0
	-8.00000	10.00000	-2.80000	-0.26300	-3.0500	-24.787E-6	-0.059180	0.0
	-6.00000	10.00000	-2.80000	-0.35221	-3.0500	-54.088E-6	-0.091971	1.2220E-6
	-4.00000	10.00000	-2.80000	-0.48302	-3.0500	-139.37E-6	-0.15549	2.0621E-6
	-2.00000	10.00000	-2.80000	-0.68647	-3.0500	-476.14E-6	-0.30014	3.9638E-6
	0.00000	10.00000	-2.80000	-1.0314	-3.0500	-0.0030276	-0.74877	9.7414E-6
	2.00000	10.00000	-2.80000	-1.7585	-3.0500	-0.58823	-5.4060	25.022E-6
	4.00000	10.00000	-2.80000	-3.4567	-3.0500	-9.8345	-32.465	-353.89E-6
	6.00000	10.00000	-2.80000	-3.3770	-3.0500	-9.3767	-28.718	-367.22E-6
	8.00000	10.00000	-2.80000	-2.5086	-3.0500	-9.0022	-21.081	-439.10E-6
	10.00000	10.00000	-2.80000	-1.5959	-3.0500	-8.3002	-11.329	-512.97E-6
	12.00000	10.00000	-2.80000	0.63381	-3.0500	22.322	35.963	0.0013063
	14.00000	10.00000	-2.80000	0.99289	-3.0500	22.287	35.941	0.0013038
	16.00000	10.00000	-2.80000	0.076069	-3.0500	-0.23612	0.48988	-25.421E-6
	18.00000	10.00000	-2.80000	0.32197	-3.0500	-0.21052	1.5213	-37.125E-6
	20.00000	10.00000	-2.80000	0.43075	-3.0500	-0.20648	1.8533	-41.230E-6
	22.00000	10.00000	-2.80000	0.43199	-3.0500	-0.18705	2.3010	-45.644E-6
	24.00000	10.00000	-2.80000	0.24460	-3.0500	-0.21545	1.6038	-38.620E-6
	26.00000	10.00000	-2.80000	0.018362	-3.0500	-0.21680	1.3414	-35.230E-6
	28.00000	10.00000	-2.80000	-0.20569	-3.0500	-0.21188	1.3129	-34.456E-6
	30.00000	10.00000	-2.80000	-0.41771	-3.0500	-0.097483	1.8000	-31.798E-6
	32.00000	10.00000	-2.80000	-0.70731	-3.0500	0.020239	0.66452	-7.2412E-6
	34.00000	10.00000	-2.80000	-0.85313	-3.0500	499.39E-6	-0.15140	2.0586E-6
	36.00000	10.00000	-2.80000	-0.82052	-3.0500	-173.79E-6	-0.19481	2.5835E-6
	38.00000	10.00000	-2.80000	-0.72096	-3.0500	-118.88E-6	-0.15100	2.0038E-6
	40.00000	10.00000	-2.80000	-0.60689	-3.0500	-63.729E-6	-0.10925	1.4515E-6
	42.00000	10.00000	-2.80000	-0.49840	-3.0500	-34.464E-6	-0.079121	1.0522E-6
	44.00000	10.00000	-2.80000	-0.40459	-3.0500	-19.522E-6	-0.058313	0.0
	46.00000	10.00000	-2.80000	-0.32703	-3.0500	-11.609E-6	-0.043862	0.0
	48.00000	10.00000	-2.80000	-0.26392	-3.0500	-7.2093E-6	-0.033644	0.0
	50.00000	10.00000	-2.80000	-0.21280	-3.0500	-4.6483E-6	-0.026271	0.0
	52.00000	10.00000	-2.80000	-0.17145	-3.0500	-3.0954E-6	-0.020845	0.0
	54.00000	10.00000	-2.80000	-0.13802	-3.0500	-2.1196E-6	-0.016779	0.0
	56.00000	10.00000	-2.80000	-0.11098	-3.0500	-1.4872E-6	-0.013682	0.0
	58.00000	10.00000	-2.80000	-0.089125	-3.0500	-1.0662E-6	-0.011287	0.0
	60.00000	10.00000	-2.80000	-0.071447	-3.0500	0.0	-0.0094095	0.0
	-10.00000	12.00000	-2.80000	-0.20774	-3.0500	-13.832E-6	-0.042605	0.0
	-8.00000	12.00000	-2.80000	-0.27564	-3.0500	-27.348E-6	-0.063130	0.0
	-6.00000	12.00000	-2.80000	-0.37231	-3.0500	-60.420E-6	-0.099501	1.3218E-6
	-4.00000	12.00000	-2.80000	-0.51596	-3.0500	-156.79E-6	-0.17074	2.2640E-6
	-2.00000	12.00000	-2.80000	-0.74201	-3.0500	-530.69E-6	-0.33319	4.4001E-6
	0.00000	12.00000	-2.80000	-1.1262	-3.0500	-0.0032222	-0.82500	10.742E-6
	2.00000	12.00000	-2.80000	-1.9142	-3.0500	-0.58895	-5.5820	27.311E-6
	4.00000	12.00000	-2.80000	-3.6764	-3.0500	-9.8365	-32.799	-349.60E-6
	6.00000	12.00000	-2.80000	-3.6028	-3.0500	-9.3787	-29.062	-362.80E-6
	8.00000	12.00000	-2.80000	-2.6913	-3.0500	-9.0042	-21.360	-435.53E-6
	10.00000	12.00000	-2.80000	-2.1157	-3.0500	-14.113	-23.600	-814.41E-6
	12.00000	12.00000	-2.80000	-0.67925	-3.0500	0.0098740	0.0075037	0.0
	14.00000	12.00000	-2.80000	-0.30008	-3.0500	0.010184	0.41217	-4.6809E-6
	16.00000	12.00000	-2.80000	-0.28839	-3.0500	-2.2350	-4.2666	-121.91E-6
	18.00000	12.00000	-2.80000	-0.17817	-3.0500	-2.2467	-4.4875	-119.90E-6
	20.00000	12.00000	-2.80000	-0.078374	-3.0500	-2.2428	-4.2453	-122.82E-6
	22.00000	12.00000	-2.80000	0.14604	-3.0500	-0.20397	1.1346	-31.445E-6
	24.00000	12.00000	-2.80000	-0.28623	-3.0500	-4.4476	-8.0228	-248.84E-6
	26.00000	12.00000	-2.80000	-0.42018	-3.0500	-4.4107	-7.7656	-249.32E-6
	28.00000	12.00000	-2.80000	-0.51934	-3.0500	-4.3174	-6.9337	-252.94E-6
	30.00000	12.00000	-2.80000	-0.47627	-3.0500	-2.2365	-0.37597	-173.90E-6
	32.00000	12.00000	-2.80000	-0.51361	-3.0500	-0.0019581	-0.086126	0.0
	34.00000	12.00000	-2.80000	-0.55999	-3.0500	10.723E-6	-0.094190	1.2567E-6
	36.00000	12.00000	-2.80000	-0.55439	-3.0500	-53.170E-6	-0.10280	1.3665E-6
	38.00000	12.00000	-2.80000	-0.51077	-3.0500	-47.483E-6	-0.089836	1.1940E-6
	40.00000	12.00000	-2.80000	-0.44952	-3.0500	-31.690E-6	-0.072322	0.0
	42.00000	12.00000	-2.80000	-0.38423	-3.0500	-19.923E-6	-0.056733	0.0
	44.00000	12.00000	-2.80000	-0.32247	-3.0500	-12.532E-6	-0.044359	0.0
	46.00000	12.00000	-2.80000	-0.26762	-3.0500	-8.0379E-6	-0.034891	0.0
	48.00000	12.00000	-2.80000	-0.22051	-3.0500	-5.2830E-6	-0.027706	0.0
	50.00000	12.00000	-2.80000	-0.18079	-3.0500	-3.5593E-6	-0.022236	0.0
	52.00000	12.00000	-2.80000	-0.14766	-3.0500	-2.4544E-6	-0.018038	0.0
	54.00000	12.00000	-2.80000	-0.12021	-3.0500	-1.7291E-6	-0.014786	0.0
	56.00000	12.00000	-2.80000	-0.097585	-3.0500	-1.2421E-6	-0.012240	0.0
	58.00000	12.00000	-2.80000	-0.078991	-3.0500	0.0	-0.010226	0.0
	60.00000	12.00000	-2.80000	-0.063750	-3.0500	0.0	-0.0086175	0.0
	-10.00000	14.00000	-2.80000	-0.21039	-3.0500	-14.298E-6	-0.043410	0.0
	-8.00000	14.00000	-2.80000	-0.27994	-3.0500	-28.398E-6	-0.064648	0.0

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 [-]
	-6.00000	14.00000	-2.80000	-0.37944	-3.0500	-62.956E-6	-0.10246	1.3610E-6
	-4.00000	14.00000	-2.80000	-0.52798	-3.0500	-163.35E-6	-0.17669	2.3428E-6
	-2.00000	14.00000	-2.80000	-0.76238	-3.0500	-548.54E-6	-0.34546	4.5622E-6
	0.00000	14.00000	-2.80000	-1.1599	-3.0500	-0.0032707	-0.84999	11.071E-6
	2.00000	14.00000	-2.80000	-1.9656	-3.0500	-0.58907	-5.6284	27.920E-6
	4.00000	14.00000	-2.80000	-3.7426	-3.0500	-9.8367	-32.868	-348.70E-6
	6.00000	14.00000	-2.80000	-3.6698	-3.0500	-9.3789	-29.137	-361.83E-6
	8.00000	14.00000	-2.80000	-2.7508	-3.0500	-9.0048	-21.455	-434.32E-6
	10.00000	14.00000	-2.80000	-2.1902	-3.0500	-14.121	-23.972	-810.07E-6
	12.00000	14.00000	-2.80000	-0.77270	-3.0500	-0.0059981	-0.67783	8.5579E-6
	14.00000	14.00000	-2.80000	-0.37862	-3.0500	-0.0038545	-0.20358	2.4061E-6
	16.00000	14.00000	-2.80000	-0.33957	-3.0500	-2.2380	-4.5480	-118.40E-6
	18.00000	14.00000	-2.80000	-0.23311	-3.0500	-2.2485	-4.7569	-116.46E-6
	20.00000	14.00000	-2.80000	-0.12784	-3.0500	-2.2445	-4.5233	-119.25E-6
	22.00000	14.00000	-2.80000	0.10217	-3.0500	-0.37380	0.21178	-32.728E-6
	24.00000	14.00000	-2.80000	-0.30739	-3.0500	-4.4570	-8.4417	-244.00E-6
	26.00000	14.00000	-2.80000	-0.46232	-3.0500	-4.4551	-8.8171	-238.85E-6
	28.00000	14.00000	-2.80000	-0.55923	-3.0500	-4.4173	-8.5063	-239.96E-6
	30.00000	14.00000	-2.80000	-0.66294	-3.0500	-4.4709	-9.1019	-236.31E-6
	32.00000	14.00000	-2.80000	-0.38245	-3.0500	-0.0072776	-0.34655	4.0384E-6
	34.00000	14.00000	-2.80000	-0.37885	-3.0500	-212.67E-6	-0.080683	1.0588E-6
	36.00000	14.00000	-2.80000	-0.37877	-3.0500	-38.574E-6	-0.061207	0.0
	38.00000	14.00000	-2.80000	-0.36143	-3.0500	-22.202E-6	-0.054911	0.0
	40.00000	14.00000	-2.80000	-0.33034	-3.0500	-15.868E-6	-0.047712	0.0
	42.00000	14.00000	-2.80000	-0.29233	-3.0500	-11.181E-6	-0.040142	0.0
	44.00000	14.00000	-2.80000	-0.25283	-3.0500	-7.7529E-6	-0.033217	0.0
	46.00000	14.00000	-2.80000	-0.21516	-3.0500	-5.3691E-6	-0.027325	0.0
	48.00000	14.00000	-2.80000	-0.18099	-3.0500	-3.7474E-6	-0.022485	0.0
	50.00000	14.00000	-2.80000	-0.15095	-3.0500	-2.6478E-6	-0.018570	0.0
	52.00000	14.00000	-2.80000	-0.12506	-3.0500	-1.8972E-6	-0.015421	0.0
	54.00000	14.00000	-2.80000	-0.10304	-3.0500	-1.3791E-6	-0.012887	0.0
	56.00000	14.00000	-2.80000	-0.084491	-3.0500	-1.0167E-6	-0.010842	0.0
	58.00000	14.00000	-2.80000	-0.068978	-3.0500	0.0	-0.0091815	0.0
	60.00000	14.00000	-2.80000	-0.056072	-3.0500	0.0	-0.0078267	0.0
	-10.00000	16.00000	-2.80000	-0.20713	-3.0500	-14.035E-6	-0.042727	0.0
	-8.00000	16.00000	-2.80000	-0.27527	-3.0500	-27.819E-6	-0.063529	0.0
	-6.00000	16.00000	-2.80000	-0.37261	-3.0500	-61.578E-6	-0.10051	1.3351E-6
	-4.00000	16.00000	-2.80000	-0.51771	-3.0500	-159.84E-6	-0.17308	2.2949E-6
	-2.00000	16.00000	-2.80000	-0.74667	-3.0500	-539.22E-6	-0.33849	4.4701E-6
	0.00000	16.00000	-2.80000	-1.1360	-3.0500	-0.0032468	-0.83668	10.896E-6
	2.00000	16.00000	-2.80000	-1.9313	-3.0500	-0.58902	-5.6054	27.617E-6
	4.00000	16.00000	-2.80000	-3.6984	-3.0500	-9.8366	-32.835	-349.13E-6
	6.00000	16.00000	-2.80000	-3.6191	-3.0500	-9.3788	-29.097	-362.35E-6
	8.00000	16.00000	-2.80000	-2.6908	-3.0500	-9.0043	-21.380	-435.28E-6
	10.00000	16.00000	-2.80000	-2.0920	-3.0500	-14.113	-23.602	-814.38E-6
	12.00000	16.00000	-2.80000	-0.62683	-3.0500	0.0099413	0.029727	0.0
	14.00000	16.00000	-2.80000	-0.21500	-3.0500	0.010387	0.46743	-5.4014E-6
	16.00000	16.00000	-2.80000	-0.18115	-3.0500	-2.2349	-4.2132	-122.62E-6
	18.00000	16.00000	-2.80000	-0.064065	-3.0500	-2.2472	-4.4885	-119.93E-6
	20.00000	16.00000	-2.80000	0.050718	-3.0500	-2.2434	-4.2731	-122.50E-6
	22.00000	16.00000	-2.80000	0.27066	-3.0500	-0.44197	-0.069635	-34.429E-6
	24.00000	16.00000	-2.80000	-0.11042	-3.0500	-4.4611	-8.2776	-246.52E-6
	26.00000	16.00000	-2.80000	-0.30309	-3.0500	-4.4942	-9.3111	-235.39E-6
	28.00000	16.00000	-2.80000	-0.43009	-3.0500	-4.4948	-9.4486	-233.60E-6
	30.00000	16.00000	-2.80000	-0.49662	-3.0500	-4.4710	-9.0416	-237.12E-6
	32.00000	16.00000	-2.80000	-0.23023	-3.0500	-0.0072289	-0.30392	3.4739E-6
	34.00000	16.00000	-2.80000	-0.23775	-3.0500	-200.31E-6	-0.047426	0.0
	36.00000	16.00000	-2.80000	-0.25135	-3.0500	-23.036E-6	-0.032832	0.0
	38.00000	16.00000	-2.80000	-0.25160	-3.0500	-9.4524E-6	-0.032375	0.0
	40.00000	16.00000	-2.80000	-0.23944	-3.0500	-7.3392E-6	-0.030908	0.0
	42.00000	16.00000	-2.80000	-0.21927	-3.0500	-5.9169E-6	-0.028020	0.0
	44.00000	16.00000	-2.80000	-0.19523	-3.0500	-4.5823E-6	-0.024573	0.0
	46.00000	16.00000	-2.80000	-0.17026	-3.0500	-3.4556E-6	-0.021158	0.0
	48.00000	16.00000	-2.80000	-0.14620	-3.0500	-2.5766E-6	-0.018055	0.0
	50.00000	16.00000	-2.80000	-0.12406	-3.0500	-1.9179E-6	-0.015356	0.0
	52.00000	16.00000	-2.80000	-0.10429	-3.0500	-1.4329E-6	-0.013063	0.0
	54.00000	16.00000	-2.80000	-0.086995	-3.0500	-1.0777E-6	-0.011136	0.0
	56.00000	16.00000	-2.80000	-0.072089	-3.0500	0.0	-0.0095259	0.0
	58.00000	16.00000	-2.80000	-0.059380	-3.0500	0.0	-0.0081821	0.0
	60.00000	16.00000	-2.80000	-0.048635	-3.0500	0.0	-0.0070593	0.0
	-10.00000	18.00000	-2.80000	-0.19819	-3.0500	-13.077E-6	-0.040619	0.0
	-8.00000	18.00000	-2.80000	-0.26202	-3.0500	-25.668E-6	-0.059885	0.0
	-6.00000	18.00000	-2.80000	-0.35239	-3.0500	-56.314E-6	-0.093817	1.2464E-6
	-4.00000	18.00000	-2.80000	-0.48591	-3.0500	-145.61E-6	-0.15998	2.1215E-6
	-2.00000	18.00000	-2.80000	-0.69531	-3.0500	-496.32E-6	-0.31117	4.1093E-6
	0.00000	18.00000	-2.80000	-1.0525	-3.0500	-0.0031066	-0.77741	10.117E-6
	2.00000	18.00000	-2.80000	-1.8023	-3.0500	-0.58860	-5.4842	26.035E-6
	4.00000	18.00000	-2.80000	-3.5266	-3.0500	-9.8358	-32.643	-351.63E-6
	6.00000	18.00000	-2.80000	-3.4355	-3.0500	-9.3779	-28.888	-365.06E-6
	8.00000	18.00000	-2.80000	-2.5199	-3.0500	-9.0026	-21.155	-438.14E-6
	10.00000	18.00000	-2.80000	-1.5552	-3.0500	-8.3004	-11.348	-512.73E-6
	12.00000	18.00000	-2.80000	0.73892	-3.0500	22.322	36.021	0.0013055
	14.00000	18.00000	-2.80000	1.1935	-3.0500	22.292	36.281	0.0012996
	16.00000	18.00000	-2.80000	0.25877	-3.0500	-2.3257	-1.6784	-163.68E-6
	18.00000	18.00000	-2.80000	0.44113	-3.0500	-2.3517	-1.8926	-162.90E-6
	20.00000	18.00000	-2.80000	0.56878	-3.0500	-2.3500	-1.7291	-164.95E-6
	22.00000	18.00000	-2.80000	0.66830	-3.0500	-2.2621	-0.67407	-171.98E-6
	24.00000	18.00000	-2.80000	0.55626	-3.0500	-2.4148	-2.0877	-165.35E-6
	26.00000	18.00000	-2.80000	0.40461	-3.0500	-2.4295	-2.6579	-158.92E-6
	28.00000	18.00000	-2.80000	0.22301	-3.0500	-2.4332	-3.0290	-154.27E-6
	30.00000	18.00000	-2.80000	0.0036984	-3.0500	-1.8540	-2.8981	-109.68E-6
	32.00000	18.00000	-2.80000	-0.045352	-3.0500	-0.0017600	0.0096538	0.0
	34.00000	18.00000	-2.80000	-0.11697	-3.0500	-10.777E-6	0.0090420	0.0
	36.00000	18.00000	-2.80000	-0.15406	-3.0500	5.4818E-6	-0.0081611	0.0
	38.00000	18.00000	-2.80000	-0.16915	-3.0500	0.0	-0.016241	0.0
	40.00000	18.00000	-2.80000	-0.16996	-3.0500	-2.0239E-6	-0.019077	0.0
	42.00000	18.00000	-2.80000	-0.16178	-3.0500	-2.6317E-6	-0.019186	0.0
	44.00000	18.00000	-2.80000	-0.14847	-3.0500	-2.4948E-6	-0.017987	0.0
	46.00000	18.00000	-2.80000	-0.13272	-3.0500	-2.1181E-6	-0.016254	0.0
	48.00000	18.00000	-2.80000	-0.11635	-3.0500	-1.7124E-6	-0.014397	0.0
	50.00000	18.00000	-2.80000	-0.10047	-3.0500	-1.3533E-6	-0.012614	0.0
	52.00000	18.00000	-2.80000	-0.085717	-3.0500	-1.0592E-6	-0.010994	0.0
	54.00000	18.00000	-2.80000	-0.072410	-3.0500	0.0	-0.0095630	0.0
	56.00000	18.00000	-2.80000	-0.060651	-3.0500	0.0	-0.0083200	0.0
	58.00000	18.00000	-2.80000	-0.050417	-3.0500	0.0	-0.0072497	0.0
	60.00000	18.00000	-2.80000	-0.041614	-3.0500	0.0	-0.0063323	0.0
	-10.00000	20.00000	-2.80000	-0.18442	-3.0500	-11.552E-6	-0.037324	0.0
	-8.00000	20.00000	-2.80000	-0.24155	-3.0500	-22.214E-6	-0.054154	0.0
	-6.00000	20.00000	-2.80000	-0.32099	-3.0500	-47.595E-6	-0.083155	1.1049E-6
	-4.00000	20.00000	-2.80000	-0.43586	-3.0500	-119.99E-6	-0.13836	1.8352E-6
	-2.00000	20.00000	-2.80000	-0.61170	-3.0500	-401.02E-6	-0.26170	3.4573E-6
	0.00000	20.00000	-2.80000	-0.90555	-3.0500	-0.0025699	-0.64114	8.3429E-6
	2.00000	20.00000	-2.80000	-1.5371	-3.0500	-0.58325	-5.0124	20.172E-6
	4.00000	20.00000	-2.80000	-3.1168	-3.0500	-9.8188	-31.544	-364.92E-6
	6.00000	20.00000	-2.80000	-3.0091	-3.0500	-9.3611	-27.768	-378.65E-6
	8.00000	20.00000	-2.80000	-2.1987	-3.0500	-8.9915	-20.448	-446.69E-6
	10.00000	20.00000	-2.80000	-1.7566	-3.0500	-14.112	-23.234	-819.17E-6
	12.00000	20.00000	-2.80000	-0.38805	-3.0500	0.0018572	0.0053178	0.0
	14.00000	20.00000	-2.80000	0.18279	-3.0500	0.052250	1.9375	-21.653E-6
	16.00000	20.00000	-2.80000	2.4665	-3.0500	30.549	60.268	0.0016403
	18.00000	20.00000	-2.80000	2.8176	-3.0500	30.623	61.976	0.0016235
	20.00000	20.00000	-2.80000	2.9505	-3.0500	30.620	62.047	0.0016223
	22.00000	20.00000	-2.80000	3.0176	-3.0500	30.637	62.383	0.0016192
	24.00000	20.00000	-2.80000	2.9802	-3.0500	30.624	62.133	0.0016215
	26.00000	20.00000	-2.80000	2.8712	-3.0500	30.620	61.904	0.0016242
	28.00000	20.00000	-2.80000	2.6498	-3.0500	30.621	61.385	0.0016312
	30.00000	20.00000	-2.80000	0.55628	-3.0500	0.57372	5.6236	-29.084E-6
	32.00000	20.00000	-2.80000	0.097343	-3.0500	0.0018304	0.26548	-3.3934E-6
	34.00000	20.00000	-2.80000	-0.027615	-3.0500	151.00E-6	0.053999	0.0
	36.00000	20.00000	-2.80000	-0.082916	-3.0500	29.136E-6	0.0097496	0.0
	38.00000	20.00000	-2.80000	-0.10826	-3.0500	7.2769E-6	-0.0051199	0.0
	40.00000	20.00000	-2.80000	-0.11749	-3.0500	1.3128E-6	-0.010868	0.0
	42.00000	20.00000	-2.80000	-0.11716	-3.0500	0.0	-0.012846	0.0
	44.00000	20.00000	-2.80000	-0.11115	-3.0500	-1.1433E-6	-0.013060	0.0
	46.00000	20.00000	-2.80000	-0.10197	-3.0500	-1.2060E-6	-0.012435	0.0
	48.00000	20.00000	-2.80000	-0.091298	-3.0500	-1.0924E-6	-0.011441	0.0
	50.00000	20.00000	-2.80000	-0.080240	-3.0500	0.0	-0.010327	0.0
	52.00000	20.00000	-2.80000	-0.069490	-3.0500	0.0	-0.0092195	0.0
	54.00000	20.00000	-2.80000	-0.059454	-3.0500	0.0	-0.0081810	0.0
	56.00000	20.00000	-2.80000	-0.050342	-3.0500	0.0	-0.0072380	0.0
	58.00000	20.00000	-2.80000	-0.042234	-3.0500	0.0	-0.0063978	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	60.00000	20.00000	-2.80000	-0.035130	-3.0500	0.0	-0.0056573	0.0
	-10.00000	22.00000	-2.80000	-0.16710	-3.0500	-9.6782E-6	-0.033221	0.0
	-8.00000	22.00000	-2.80000	-0.21599	-3.0500	-17.989E-6	-0.047073	0.0
	-6.00000	22.00000	-2.80000	-0.28209	-3.0500	-36.830E-6	-0.070034	0.0
	-4.00000	22.00000	-2.80000	-0.37403	-3.0500	-86.939E-6	-0.11146	1.4792E-6
	-2.00000	22.00000	-2.80000	-0.50727	-3.0500	-259.77E-6	-0.19671	2.6021E-6
	0.00000	22.00000	-2.80000	-0.71142	-3.0500	-0.0012591	-0.41903	5.4863E-6
	2.00000	22.00000	-2.80000	-1.0492	-3.0500	-0.025472	-1.4116	16.784E-6
	4.00000	22.00000	-2.80000	-1.6312	-3.0500	-0.38880	-7.1176	63.798E-6
	6.00000	22.00000	-2.80000	-1.5866	-3.0500	-0.22579	-5.6553	57.341E-6
	8.00000	22.00000	-2.80000	-1.1454	-3.0500	-0.078963	-2.4341	26.138E-6
	10.00000	22.00000	-2.80000	-1.2832	-3.0500	-12.095	-16.066	-753.37E-6
	12.00000	22.00000	-2.80000	-0.32774	-3.0500	-0.0024579	-0.19827	2.4470E-6
	14.00000	22.00000	-2.80000	0.094006	-3.0500	0.014508	0.83057	-9.9137E-6
	16.00000	22.00000	-2.80000	1.5270	-3.0500	19.358	34.077	0.0010943
	18.00000	22.00000	-2.80000	0.92585	-3.0500	1.2366	8.0084	-7.8544E-6
	20.00000	22.00000	-2.80000	0.96336	-3.0500	0.37602	5.1968	-39.209E-6
	22.00000	22.00000	-2.80000	1.9405	-3.0500	19.363	34.649	0.0010871
	24.00000	22.00000	-2.80000	1.0844	-3.0500	1.2370	8.1312	-9.4524E-6
	26.00000	22.00000	-2.80000	0.93149	-3.0500	0.37937	5.1997	-38.981E-6
	28.00000	22.00000	-2.80000	1.6808	-3.0500	19.295	33.943	0.0010910
	30.00000	22.00000	-2.80000	0.36414	-3.0500	0.013989	0.98169	-11.970E-6
	32.00000	22.00000	-2.80000	0.13100	-3.0500	936.94E-6	0.20930	-2.7157E-6
	34.00000	22.00000	-2.80000	0.019100	-3.0500	142.96E-6	0.060329	0.0
	36.00000	22.00000	-2.80000	-0.037014	-3.0500	33.549E-6	0.017204	0.0
	38.00000	22.00000	-2.80000	-0.065577	-3.0500	9.8629E-6	0.0011657	0.0
	40.00000	22.00000	-2.80000	-0.078946	-3.0500	2.9528E-6	-0.0056033	0.0
	42.00000	22.00000	-2.80000	-0.083228	-3.0500	0.0	-0.0084683	0.0
	44.00000	22.00000	-2.80000	-0.081916	-3.0500	0.0	-0.0094674	0.0
	46.00000	22.00000	-2.80000	-0.077234	-3.0500	0.0	-0.0095224	0.0
	48.00000	22.00000	-2.80000	-0.070671	-3.0500	0.0	-0.0091010	0.0
	50.00000	22.00000	-2.80000	-0.063234	-3.0500	0.0	-0.0084556	0.0
	52.00000	22.00000	-2.80000	-0.055592	-3.0500	0.0	-0.0077260	0.0
	54.00000	22.00000	-2.80000	-0.048173	-3.0500	0.0	-0.0069887	0.0
	56.00000	22.00000	-2.80000	-0.041233	-3.0500	0.0	-0.0062844	0.0
	58.00000	22.00000	-2.80000	-0.034909	-3.0500	0.0	-0.0056327	0.0
	60.00000	22.00000	-2.80000	-0.029257	-3.0500	0.0	-0.0050410	0.0
	-10.00000	24.00000	-2.80000	-0.14774	-3.0500	-7.7182E-6	-0.028755	0.0
	-8.00000	24.00000	-2.80000	-0.18791	-3.0500	-13.687E-6	-0.039537	0.0
	-6.00000	24.00000	-2.80000	-0.24018	-3.0500	-26.214E-6	-0.056443	0.0
	-4.00000	24.00000	-2.80000	-0.30909	-3.0500	-55.734E-6	-0.084544	1.1228E-6
	-2.00000	24.00000	-2.80000	-0.40108	-3.0500	-137.26E-6	-0.13495	1.7884E-6
	0.00000	24.00000	-2.80000	-0.52380	-3.0500	-412.56E-6	-0.23399	3.0869E-6
	2.00000	24.00000	-2.80000	-0.67725	-3.0500	-0.0014673	-0.43771	5.7188E-6
	4.00000	24.00000	-2.80000	-0.81711	-3.0500	-0.0048085	-0.77069	9.8912E-6
	6.00000	24.00000	-2.80000	-0.81516	-3.0500	-0.0045829	-0.77455	9.9607E-6
	8.00000	24.00000	-2.80000	-0.67037	-3.0500	-0.0021561	-0.51516	6.6963E-6
	10.00000	24.00000	-2.80000	-0.47272	-3.0500	-0.0020572	-0.33308	4.2765E-6
	12.00000	24.00000	-2.80000	-0.24179	-3.0500	-263.13E-6	-0.077503	1.0123E-6
	14.00000	24.00000	-2.80000	-0.0032662	-3.0500	0.0014069	0.19862	-2.5357E-6
	16.00000	24.00000	-2.80000	0.21904	-3.0500	0.0050123	0.53600	-6.7457E-6
	18.00000	24.00000	-2.80000	0.37134	-3.0500	0.0050483	0.66244	-8.4286E-6
	20.00000	24.00000	-2.80000	0.45945	-3.0500	0.0048284	0.70471	-9.0098E-6
	22.00000	24.00000	-2.80000	0.50253	-3.0500	0.0057711	0.75496	-9.6044E-6
	24.00000	24.00000	-2.80000	0.50010	-3.0500	0.0052090	0.73282	-9.3542E-6
	26.00000	24.00000	-2.80000	0.45437	-3.0500	0.0048229	0.67790	-8.6529E-6
	28.00000	24.00000	-2.80000	0.36345	-3.0500	0.0050265	0.58301	-7.3714E-6
	30.00000	24.00000	-2.80000	0.22667	-3.0500	0.0014907	0.29035	-3.7521E-6
	32.00000	24.00000	-2.80000	0.10943	-3.0500	311.52E-6	0.11529	-1.5123E-6
	34.00000	24.00000	-2.80000	0.033651	-3.0500	81.810E-6	0.045605	0.0
	36.00000	24.00000	-2.80000	-0.011567	-3.0500	25.587E-6	0.016602	0.0
	38.00000	24.00000	-2.80000	-0.037590	-3.0500	9.0085E-6	0.0035611	0.0
	40.00000	24.00000	-2.80000	-0.051640	-3.0500	3.2784E-6	-0.0026464	0.0
	42.00000	24.00000	-2.80000	-0.058029	-3.0500	1.0548E-6	-0.0056194	0.0
	44.00000	24.00000	-2.80000	-0.059451	-3.0500	0.0	-0.0069324	0.0
	46.00000	24.00000	-2.80000	-0.057691	-3.0500	0.0	-0.0073509	0.0
	48.00000	24.00000	-2.80000	-0.053981	-3.0500	0.0	-0.0072804	0.0
	50.00000	24.00000	-2.80000	-0.049183	-3.0500	0.0	-0.0069486	0.0
	52.00000	24.00000	-2.80000	-0.043895	-3.0500	0.0	-0.0064878	0.0
	54.00000	24.00000	-2.80000	-0.038522	-3.0500	0.0	-0.0059753	0.0
	56.00000	24.00000	-2.80000	-0.033325	-3.0500	0.0	-0.0054561	0.0
	58.00000	24.00000	-2.80000	-0.028465	-3.0500	0.0	-0.0049553	0.0
	60.00000	24.00000	-2.80000	-0.024030	-3.0500	0.0	-0.0044862	0.0
	-10.00000	26.00000	-2.80000	-0.12784	-3.0500	-5.9028E-6	-0.024338	0.0
	-8.00000	26.00000	-2.80000	-0.15971	-3.0500	-9.8974E-6	-0.032347	0.0
	-6.00000	26.00000	-2.80000	-0.19940	-3.0500	-17.513E-6	-0.044097	0.0
	-4.00000	26.00000	-2.80000	-0.24858	-3.0500	-33.026E-6	-0.061831	0.0
	-2.00000	26.00000	-2.80000	-0.30853	-3.0500	-66.772E-6	-0.089203	1.1840E-6
	0.00000	26.00000	-2.80000	-0.37810	-3.0500	-142.48E-6	-0.13115	1.7372E-6
	2.00000	26.00000	-2.80000	-0.44846	-3.0500	-296.65E-6	-0.18904	2.4968E-6
	4.00000	26.00000	-2.80000	-0.49539	-3.0500	-495.73E-6	-0.24280	3.1977E-6
	6.00000	26.00000	-2.80000	-0.48699	-3.0500	-510.00E-6	-0.24530	3.2298E-6
	8.00000	26.00000	-2.80000	-0.41827	-3.0500	-356.33E-6	-0.19468	2.5673E-6
	10.00000	26.00000	-2.80000	-0.30952	-3.0500	-205.50E-6	-0.12349	1.6301E-6
	12.00000	26.00000	-2.80000	-0.17940	-3.0500	-26.860E-6	-0.040612	0.0
	14.00000	26.00000	-2.80000	-0.044161	-3.0500	185.43E-6	0.047830	0.0
	16.00000	26.00000	-2.80000	0.079084	-3.0500	400.93E-6	0.12936	-1.6927E-6
	18.00000	26.00000	-2.80000	0.17449	-3.0500	514.98E-6	0.18468	-2.4213E-6
	20.00000	26.00000	-2.80000	0.23699	-3.0500	555.50E-6	0.21434	-2.8134E-6
	22.00000	26.00000	-2.80000	0.26893	-3.0500	573.97E-6	0.22681	-2.9782E-6
	24.00000	26.00000	-2.80000	0.27263	-3.0500	567.31E-6	0.22410	-2.9426E-6
	26.00000	26.00000	-2.80000	0.24956	-3.0500	524.93E-6	0.20450	-2.6846E-6
	28.00000	26.00000	-2.80000	0.20248	-3.0500	423.87E-6	0.16510	-2.1674E-6
	30.00000	26.00000	-2.80000	0.14024	-3.0500	240.37E-6	0.10898	-1.4338E-6
	32.00000	26.00000	-2.80000	0.079966	-3.0500	101.45E-6	0.060049	0.0
	34.00000	26.00000	-2.80000	0.033082	-3.0500	40.093E-6	0.029598	0.0
	36.00000	26.00000	-2.80000	642.82E-6	-3.0500	16.220E-6	0.012743	0.0
	38.00000	26.00000	-2.80000	-0.020311	-3.0500	6.7988E-6	0.0036393	0.0
	40.00000	26.00000	-2.80000	-0.032957	-3.0500	2.8692E-6	-0.0012732	0.0
	42.00000	26.00000	-2.80000	-0.039760	-3.0500	1.1338E-6	-0.0038879	0.0
	44.00000	26.00000	-2.80000	-0.042511	-3.0500	0.0	-0.0052033	0.0
	46.00000	26.00000	-2.80000	-0.042506	-3.0500	0.0	-0.0057653	0.0
	48.00000	26.00000	-2.80000	-0.040690	-3.0500	0.0	-0.0058862	0.0
	50.00000	26.00000	-2.80000	-0.037755	-3.0500	0.0	-0.0057513	0.0
	52.00000	26.00000	-2.80000	-0.034204	-3.0500	0.0	-0.0054740	0.0
	54.00000	26.00000	-2.80000	-0.030392	-3.0500	0.0	-0.0051242	0.0
	56.00000	26.00000	-2.80000	-0.026565	-3.0500	0.0	-0.0047449	0.0
	58.00000	26.00000	-2.80000	-0.022884	-3.0500	0.0	-0.0043625	0.0
	60.00000	26.00000	-2.80000	-0.019448	-3.0500	0.0	-0.0039924	0.0
	-10.00000	28.00000	-2.80000	-0.10860	-3.0500	-4.3733E-6	-0.020273	0.0
	-8.00000	28.00000	-2.80000	-0.13320	-3.0500	-6.9096E-6	-0.026021	0.0
	-6.00000	28.00000	-2.80000	-0.16248	-3.0500	-11.277E-6	-0.033884	0.0
	-4.00000	28.00000	-2.80000	-0.19658	-3.0500	-18.983E-6	-0.044665	0.0
	-2.00000	28.00000	-2.80000	-0.23474	-3.0500	-32.613E-6	-0.059198	0.0
	0.00000	28.00000	-2.80000	-0.27406	-3.0500	-55.481E-6	-0.077614	1.0304E-6
	2.00000	28.00000	-2.80000	-0.30782	-3.0500	-87.657E-6	-0.097433	1.2921E-6
	4.00000	28.00000	-2.80000	-0.32506	-3.0500	-116.39E-6	-0.11132	1.4750E-6
	6.00000	28.00000	-2.80000	-0.31508	-3.0500	-118.97E-6	-0.11012	1.4588E-6
	8.00000	28.00000	-2.80000	-0.27533	-3.0500	-93.289E-6	-0.092057	1.2200E-6
	10.00000	28.00000	-2.80000	-0.21211	-3.0500	-54.145E-6	-0.062515	0.0
	12.00000	28.00000	-2.80000	-0.13502	-3.0500	-8.1689E-6	-0.026866	0.0
	14.00000	28.00000	-2.80000	-0.054124	-3.0500	41.169E-6	0.010345	0.0
	16.00000	28.00000	-2.80000	0.020848	-3.0500	86.088E-6	0.044076	0.0
	18.00000	28.00000	-2.80000	0.081984	-3.0500	117.00E-6	0.069764	0.0
	20.00000	28.00000	-2.80000	0.12512	-3.0500	133.24E-6	0.085954	-1.1354E-6
	22.00000	28.00000	-2.80000	0.14943	-3.0500	139.22E-6	0.093475	-1.2352E-6
	24.00000	28.00000	-2.80000	0.15565	-3.0500	136.61E-6	0.093101	-1.2304E-6
	26.00000	28.00000	-2.80000	0.14535	-3.0500	124.03E-6	0.085066	-1.1243E-6
	28.00000	28.00000	-2.80000	0.12154	-3.0500	99.730E-6	0.070009	0.0
	30.00000	28.00000	-2.80000	0.089568	-3.0500	66.998E-6	0.050685	0.0
	32.00000	28.00000	-2.80000	0.056481	-3.0500	37.883E-6	0.032196	0.0
	34.00000	28.00000	-2.80000	0.027780	-3.0500	19.400E-6	0.018082	0.0
	36.00000	28.00000	-2.80000	0.0056366	-3.0500	9.5605E-6	0.0086447	0.0
	38.00000	28.00000	-2.80000	-0.010109	-3.0500	4.6496E-6	0.0027402	0.0
	40.00000	28.00000	-2.80000	-0.020518	-3.0500	2.2200E-6	-823.55E-6	0.0
	42.00000	28.00000	-2.80000	-0.026782	-3.0500	1.0027E-6	-0.0029049	0.0
	44.00000	28.00000	-2.80000	-0.029952	-3.0500	0.0	-0.0040571	0.0
	46.00000	28.00000	-2.80000	-0.030884	-3.0500	0.0	-0.0046264	0.0
	48.00000	28.00000	-2.80000	-0.030254	-3.0500	0.0	-0.0048308	0.0
	50.00000	28.00000	-2.80000	-0.028588	-3.0500	0.0	-0.0048093	0.0
	52.00000	28.00000	-2.80000	-0.026284	-3.0500	0.0	-0.0046514	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	54.00000	28.00000	-2.80000	-0.023639	-3.0500	0.0	-0.0044156	0.0
	56.00000	28.00000	-2.80000	-0.020867	-3.0500	0.0	-0.0041397	0.0
	58.00000	28.00000	-2.80000	-0.018116	-3.0500	0.0	-0.0038483	0.0
	60.00000	28.00000	-2.80000	-0.015487	-3.0500	0.0	-0.0035568	0.0
	-10.00000	30.00000	-2.80000	-0.090858	-3.0500	-3.1725E-6	-0.016724	0.0
	-8.00000	30.00000	-2.80000	-0.10948	-3.0500	-4.7297E-6	-0.020760	0.0
	-6.00000	30.00000	-2.80000	-0.13068	-3.0500	-7.1624E-6	-0.025923	0.0
	-4.00000	30.00000	-2.80000	-0.15401	-3.0500	-10.939E-6	-0.032408	0.0
	-2.00000	30.00000	-2.80000	-0.17824	-3.0500	-16.599E-6	-0.040216	0.0
	0.00000	30.00000	-2.80000	-0.20086	-3.0500	-24.335E-6	-0.048795	0.0
	2.00000	30.00000	-2.80000	-0.21778	-3.0500	-33.005E-6	-0.056570	0.0
	4.00000	30.00000	-2.80000	-0.22383	-3.0500	-39.268E-6	-0.060866	0.0
	6.00000	30.00000	-2.80000	-0.21471	-3.0500	-39.184E-6	-0.059080	0.0
	8.00000	30.00000	-2.80000	-0.18932	-3.0500	-31.830E-6	-0.050483	0.0
	10.00000	30.00000	-2.80000	-0.15029	-3.0500	-19.321E-6	-0.036429	0.0
	12.00000	30.00000	-2.80000	-0.10257	-3.0500	-4.0525E-6	-0.019150	0.0
	14.00000	30.00000	-2.80000	-0.051974	-3.0500	11.912E-6	-0.0010099	0.0
	16.00000	30.00000	-2.80000	-0.0041828	-3.0500	26.306E-6	0.015695	0.0
	18.00000	30.00000	-2.80000	0.036159	-3.0500	37.134E-6	0.029120	0.0
	20.00000	30.00000	-2.80000	0.066117	-3.0500	43.730E-6	0.038311	0.0
	22.00000	30.00000	-2.80000	0.084485	-3.0500	46.460E-6	0.043114	0.0
	24.00000	30.00000	-2.80000	0.091350	-3.0500	45.694E-6	0.043729	0.0
	26.00000	30.00000	-2.80000	0.087788	-3.0500	41.501E-6	0.040514	0.0
	28.00000	30.00000	-2.80000	0.075871	-3.0500	34.165E-6	0.034171	0.0
	30.00000	30.00000	-2.80000	0.058666	-3.0500	25.011E-6	0.026005	0.0
	32.00000	30.00000	-2.80000	0.039708	-3.0500	16.333E-6	0.017727	0.0
	34.00000	30.00000	-2.80000	0.021959	-3.0500	9.7831E-6	0.010676	0.0
	36.00000	30.00000	-2.80000	0.0071205	-3.0500	5.5468E-6	0.0053522	0.0
	38.00000	30.00000	-2.80000	-0.0042716	-3.0500	3.0339E-6	0.0016355	0.0
	40.00000	30.00000	-2.80000	-0.012388	-3.0500	1.6029E-6	-824.68E-6	0.0
	42.00000	30.00000	-2.80000	-0.017702	-3.0500	0.0	-0.0023802	0.0
	44.00000	30.00000	-2.80000	-0.020766	-3.0500	0.0	-0.0033098	0.0
	46.00000	30.00000	-2.80000	-0.022101	-3.0500	0.0	-0.0038151	0.0
	48.00000	30.00000	-2.80000	-0.022160	-3.0500	0.0	-0.0040368	0.0
	50.00000	30.00000	-2.80000	-0.021323	-3.0500	0.0	-0.0040720	0.0
	52.00000	30.00000	-2.80000	-0.019889	-3.0500	0.0	-0.0039875	0.0
	54.00000	30.00000	-2.80000	-0.018096	-3.0500	0.0	-0.0038291	0.0
	56.00000	30.00000	-2.80000	-0.016121	-3.0500	0.0	-0.0036280	0.0
	58.00000	30.00000	-2.80000	-0.014093	-3.0500	0.0	-0.0034053	0.0
	60.00000	30.00000	-2.80000	-0.012104	-3.0500	0.0	-0.0031752	0.0
Law Bdg Infill	2.00000	6.00000	-1.50000	-0.96325	-1.7250	0.0	0.0	0.0
	3.06667	6.00000	-1.50000	-1.1449	-1.7250	0.0	0.0	0.0
	4.13333	6.00000	-1.50000	-1.2956	-1.7250	0.0	0.0	0.0
	5.20000	6.00000	-1.50000	-1.3535	-1.7250	0.0	0.0	0.0
	6.26667	6.00000	-1.50000	-1.2907	-1.7250	0.0	0.0	0.0
	7.33333	6.00000	-1.50000	-1.1803	-1.7250	0.0	0.0	0.0
	8.40000	6.00000	-1.50000	-1.0494	-1.7250	0.0	0.0	0.0
	9.46667	6.00000	-1.50000	-0.89671	-1.7250	0.0	0.0	0.0
	10.53333	6.00000	-1.50000	-0.71700	-1.7250	0.0	0.0	0.0
	11.60000	6.00000	-1.50000	-0.54358	-1.7250	0.0	0.0	0.0
	12.66667	6.00000	-1.50000	-0.38849	-1.7250	0.0	0.0	0.0
	13.73333	6.00000	-1.50000	-0.23152	-1.7250	0.0	0.0	0.0
	14.80000	6.00000	-1.50000	0.019168	-1.7250	0.0	0.0	0.0
	15.86667	6.00000	-1.50000	1.6588	-1.7250	0.0	0.0	0.0
	16.93333	6.00000	-1.50000	0.41347	-1.7250	0.0	0.0	0.0
	18.00000	6.00000	-1.50000	0.50919	-1.7250	0.0	0.0	0.0
16 Chenies Wst	2.00000	22.00000	-2.80000	-1.0492	-3.0500	-0.025472	-1.4116	16.784E-6
	3.13333	22.00000	-2.80000	-1.3277	-3.0500	-0.092973	-3.1117	34.052E-6
	4.26667	22.00000	-2.80000	-1.7918	-3.0500	-1.1427	-11.359	60.034E-6
	5.40000	22.00000	-2.80000	-1.9274	-3.0500	-2.3026	-15.388	20.967E-6
	6.53333	22.00000	-2.80000	-1.4329	-3.0500	-0.10877	-3.7201	40.900E-6
	7.66667	22.00000	-2.80000	-1.2044	-3.0500	-0.079833	-2.5621	27.774E-6
	8.80000	22.00000	-2.80000	-1.0132	-3.0500	-0.092842	-2.4026	24.608E-6
	9.93333	22.00000	-2.80000	-1.2775	-3.0500	-11.552	-15.619	-715.93E-6
	11.06667	22.00000	-2.80000	-0.53984	-3.0500	-0.038884	-0.99978	10.220E-6
	12.20000	22.00000	-2.80000	-0.28640	-3.0500	-0.0012435	-0.11180	1.3912E-6
	13.33333	22.00000	-2.80000	-0.054800	-3.0500	0.0037751	0.34786	-4.3362E-6
	14.46667	22.00000	-2.80000	0.21892	-3.0500	0.054729	1.6269	-17.314E-6
	15.60000	22.00000	-2.80000	1.3244	-3.0500	17.224	28.804	993.90E-6
	16.73333	22.00000	-2.80000	0.94004	-3.0500	4.1481	13.015	158.32E-6
	17.86667	22.00000	-2.80000	0.85974	-3.0500	0.54356	5.9048	-35.246E-6
	19.00000	22.00000	-2.80000	1.8368	-3.0500	19.298	34.336	0.0010860
	20.13333	22.00000	-2.80000	0.94226	-3.0500	0.20784	4.3186	-40.955E-6
	21.26667	22.00000	-2.80000	1.2282	-3.0500	4.1474	13.270	154.86E-6
	22.40000	22.00000	-2.80000	1.8137	-3.0500	17.233	29.601	983.94E-6
	23.53333	22.00000	-2.80000	0.98574	-3.0500	0.16166	4.2175	-43.301E-6
	24.66667	22.00000	-2.80000	1.8790	-3.0500	18.928	33.202	0.0010715
	25.80000	22.00000	-2.80000	1.0163	-3.0500	1.2342	7.9928	-7.8378E-6
	26.93333	22.00000	-2.80000	0.91022	-3.0500	0.79930	6.6593	-24.847E-6
	28.06667	22.00000	-2.80000	1.6616	-3.0500	19.164	33.467	0.0010869
	29.20000	22.00000	-2.80000	0.54220	-3.0500	0.13810	2.7423	-25.516E-6
	30.33333	22.00000	-2.80000	0.31170	-3.0500	0.0078125	0.72599	-9.0548E-6
	31.46667	22.00000	-2.80000	0.17720	-3.0500	0.0017135	0.30255	-3.8969E-6
	32.60000	22.00000	-2.80000	0.088726	-3.0500	502.75E-6	0.14151	-1.8465E-6
	33.73333	22.00000	-2.80000	0.029874	-3.0500	178.31E-6	0.070703	0.0
	34.86666	22.00000	-2.80000	-0.0098625	-3.0500	73.272E-6	0.035920	0.0
	36.00000	22.00000	-2.80000	-0.037014	-3.0500	33.549E-6	0.017204	0.0
	37.13334	22.00000	-2.80000	-0.055580	-3.0500	16.510E-6	0.0064171	0.0
	38.26667	22.00000	-2.80000	-0.068064	-3.0500	8.4327E-6	-95.420E-6	0.0
	39.40000	22.00000	-2.80000	-0.076098	-3.0500	4.2990E-6	-0.0041277	0.0
	40.53333	22.00000	-2.80000	-0.080801	-3.0500	2.0637E-6	-0.0066333	0.0
	41.66667	22.00000	-2.80000	-0.082977	-3.0500	0.0	-0.0081559	0.0
	42.80000	22.00000	-2.80000	-0.083229	-3.0500	0.0	-0.0090255	0.0
	43.93333	22.00000	-2.80000	-0.082024	-3.0500	0.0	-0.0094528	0.0
	45.06667	22.00000	-2.80000	-0.079731	-3.0500	0.0	-0.0095777	0.0
	46.20000	22.00000	-2.80000	-0.076643	-3.0500	0.0	-0.0094963	0.0
	47.33333	22.00000	-2.80000	-0.072998	-3.0500	0.0	-0.0092758	0.0
	48.46667	22.00000	-2.80000	-0.068984	-3.0500	0.0	-0.0089639	0.0
	49.60000	22.00000	-2.80000	-0.064755	-3.0500	0.0	-0.0085948	0.0
	50.73333	22.00000	-2.80000	-0.060428	-3.0500	0.0	-0.0081928	0.0
	51.86666	22.00000	-2.80000	-0.056098	-3.0500	0.0	-0.0077755	0.0
	53.00000	22.00000	-2.80000	-0.051835	-3.0500	0.0	-0.0073551	0.0
16 Chenies Sth	2.00000	21.90000	-2.80000	-1.0732	-3.0500	-0.034068	-1.5398	17.805E-6
	2.00000	20.84667	-2.80000	-1.3596	-3.0500	-0.53594	-4.2108	13.268E-6
	2.00000	19.79333	-2.80000	-1.5730	-3.0500	-0.58500	-5.1054	21.273E-6
	2.00000	18.74000	-2.80000	-1.7235	-3.0500	-0.58804	-5.3843	24.747E-6
	2.00000	17.68667	-2.80000	-1.8300	-3.0500	-0.58872	-5.5142	26.425E-6
	2.00000	16.63333	-2.80000	-1.9019	-3.0500	-0.58895	-5.5817	27.307E-6
	2.00000	15.58000	-2.80000	-1.9456	-3.0500	-0.58904	-5.6161	27.758E-6
	2.00000	14.52667	-2.80000	-1.9647	-3.0500	-0.58907	-5.6288	27.925E-6
	2.00000	13.47333	-2.80000	-1.9607	-3.0500	-0.58906	-5.6236	27.857E-6
	2.00000	12.42000	-2.80000	-1.9326	-3.0500	-0.58900	-5.5988	27.531E-6
	2.00000	11.36667	-2.80000	-1.8778	-3.0500	-0.58884	-5.5467	26.849E-6
	2.00000	10.31333	-2.80000	-1.7913	-3.0500	-0.58845	-5.4490	25.577E-6
	2.00000	9.26000	-2.80000	-1.6661	-3.0500	-0.58733	-5.2651	23.215E-6
	2.00000	8.20667	-2.80000	-1.4944	-3.0500	-0.58293	-4.8942	18.622E-6
	2.00000	7.15333	-2.80000	-1.2634	-3.0500	-0.50921	-3.7898	9.7932E-6
	2.00000	6.10000	-2.80000	-0.98480	-3.0500	-0.023554	-1.1999	14.114E-6
16 Chenies Est	2.00000	6.00000	-2.80000	-0.96302	-3.0500	-0.017769	-1.0954	13.184E-6
	3.13333	6.00000	-2.80000	-1.1551	-3.0500	-0.051680	-1.9935	22.445E-6
	4.26667	6.00000	-2.80000	-1.3089	-3.0500	-0.072407	-2.7941	31.462E-6
	5.40000	6.00000	-2.80000	-1.3479	-3.0500	-0.075660	-2.9339	33.066E-6
	6.53333	6.00000	-2.80000	-1.2649	-3.0500	-0.058430	-2.3651	26.861E-6
	7.66667	6.00000	-2.80000	-1.1408	-3.0500	-0.053350	-1.9904	22.271E-6
	8.80000	6.00000	-2.80000	-0.99463	-3.0500	-0.051052	-1.7072	18.679E-6
	9.93333	6.00000	-2.80000	-0.82007	-3.0500	-0.035251	-1.2115	13.333E-6
	11.06667	6.00000	-2.80000	-0.62737	-3.0500	-0.0063848	-0.49705	6.1165E-6
	12.20000	6.00000	-2.80000	-0.45496	-3.0500	-406.46E-6	-0.11401	1.4876E-6
	13.33333	6.00000	-2.80000	-0.29294	-3.0500	0.0029830	0.21151	-2.5815E-6
	14.46667	6.00000	-2.80000	-0.089028	-3.0500	0.061974	1.4396	-14.237E-6
	15.60000	6.00000	-2.80000	1.5546	-3.0500	32.242	46.068	0.0019651
	16.73333	6.00000	-2.80000	0.66480	-3.0500	7.3563	18.240	345.31E-6
	17.86667	6.00000	-2.80000	0.41330	-3.0500	0.79518	6.6288	-24.770E-6
	19.00000	6.00000	-2.80000	1.9910	-3.0500	35.935	54.647	0.0021462
	20.13333	6.00000	-2.80000	0.34775	-3.0500	0.26700	4.3932	-37.216E-6
	21.26667	6.00000	-2.80000	0.67485	-3.0500	7.3574	18.546	341.31E-6
	22.40000	6.00000	-2.80000	1.5783	-3.0500	32.252	46.815	0.0019560
	23.53333	6.00000	-2.80000	-0.031257	-3.0500	0.19031	3.7977	-35.412E-6
	24.66667	6.00000	-2.80000	1.2895	-3.0500	35.294	52.025	0.0021299
	25.80000	6.00000	-2.80000	-0.46745	-3.0500	1.9638	8.5547	43.045E-6
	26.93333	6.00000	-2.80000	-0.93184	-3.0500	1.1951	5.7279	19.236E-6

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	28.06667	6.00000	-2.80000	0.017912	-3.0500	35.557	48.955	0.0021918
	29.20000	6.00000	-2.80000	-2.1942	-3.0500	-0.16379	-4.7389	50.083E-6
	30.33333	6.00000	-2.80000	-2.6630	-3.0500	-0.34137	-7.5589	73.475E-6
	31.46667	6.00000	-2.80000	-2.8939	-3.0500	-0.34253	-7.9033	77.975E-6
	32.60000	6.00000	-2.80000	-2.9649	-3.0500	-0.33624	-7.5844	74.227E-6
	33.73333	6.00000	-2.80000	-2.8720	-3.0500	-0.24115	-5.5354	54.514E-6
	34.86666	6.00000	-2.80000	-2.3635	-3.0500	-0.031186	-2.2104	26.978E-6
	36.00000	6.00000	-2.80000	-1.9150	-3.0500	-0.0051546	-1.0388	13.438E-6
	37.13334	6.00000	-2.80000	-1.6058	-3.0500	-0.0015469	-0.60378	7.9266E-6
	38.26667	6.00000	-2.80000	-1.4261	-3.0500	-631.55E-6	-0.39357	5.1970E-6
	39.40000	6.00000	-2.80000	-1.3502	-3.0500	-308.16E-6	-0.27506	3.6428E-6
	40.53333	6.00000	-2.80000	-1.0018	-3.0500	-168.71E-6	-0.20147	2.6728E-6
	41.66667	6.00000	-2.80000	-0.83381	-3.0500	-100.07E-6	-0.15268	2.0278E-6
	42.80000	6.00000	-2.80000	-0.70456	-3.0500	-62.966E-6	-0.11876	1.5785E-6
	43.93333	6.00000	-2.80000	-0.60097	-3.0500	-41.460E-6	-0.094316	1.2542E-6
	45.06667	6.00000	-2.80000	-0.51603	-3.0500	-28.302E-6	-0.076188	1.0136E-6
	46.20000	6.00000	-2.80000	-0.44528	-3.0500	-19.898E-6	-0.062432	0.0
	47.33333	6.00000	-2.80000	-0.38566	-3.0500	-14.338E-6	-0.051794	0.0
	48.46667	6.00000	-2.80000	-0.33498	-3.0500	-10.550E-6	-0.043432	0.0
	49.60000	6.00000	-2.80000	-0.29163	-3.0500	-7.9039E-6	-0.036767	0.0
	50.73333	6.00000	-2.80000	-0.25434	-3.0500	-6.0162E-6	-0.031389	0.0
	51.86666	6.00000	-2.80000	-0.22213	-3.0500	-4.6440E-6	-0.027003	0.0
	53.00000	6.00000	-2.80000	-0.19422	-3.0500	-3.6300E-6	-0.023391	0.0
16 Chenies Nth	53.00000	21.90000	-2.80000	-0.052415	-3.0500	0.0	-0.0074166	0.0
	53.00000	20.84667	-2.80000	-0.058822	-3.0500	0.0	-0.0080972	0.0
	53.00000	19.79333	-2.80000	-0.065772	-3.0500	0.0	-0.0088402	0.0
	53.00000	18.74000	-2.80000	-0.073273	-3.0500	0.0	-0.0096477	0.0
	53.00000	17.68667	-2.80000	-0.081325	-3.0500	0.0	-0.010521	0.0
	53.00000	16.63333	-2.80000	-0.089917	-3.0500	-1.1376E-6	-0.011460	0.0
	53.00000	15.58000	-2.80000	-0.099028	-3.0500	-1.3141E-6	-0.012464	0.0
	53.00000	14.52667	-2.80000	-0.10862	-3.0500	-1.5097E-6	-0.013531	0.0
	53.00000	13.47333	-2.80000	-0.11865	-3.0500	-1.7242E-6	-0.014655	0.0
	53.00000	12.42000	-2.80000	-0.12905	-3.0500	-1.9571E-6	-0.015830	0.0
	53.00000	11.36667	-2.80000	-0.13973	-3.0500	-2.2071E-6	-0.017047	0.0
	53.00000	10.31333	-2.80000	-0.15060	-3.0500	-2.4719E-6	-0.018295	0.0
	53.00000	9.26000	-2.80000	-0.16152	-3.0500	-2.7484E-6	-0.019560	0.0
	53.00000	8.20667	-2.80000	-0.17238	-3.0500	-3.0327E-6	-0.020824	0.0
	53.00000	7.15333	-2.80000	-0.18301	-3.0500	-3.3196E-6	-0.022071	0.0
	53.00000	6.10000	-2.80000	-0.19327	-3.0500	-3.6034E-6	-0.023279	0.0
18 Chenies Retained Wall	39.00000	-13.60000	-3.50000	-1.2375	-3.6500	-5.4039	-11.003	-190.40E-6
	39.00000	-12.62000	-3.50000	-1.5543	-3.6500	-10.799	-21.113	-388.27E-6
	39.00000	-11.64000	-3.50000	-1.7105	-3.6500	-10.806	-21.484	-385.35E-6
	39.00000	-10.66000	-3.50000	-1.8485	-3.6500	-10.810	-21.710	-383.58E-6
	39.00000	-9.68000	-3.50000	-1.9721	-3.6500	-10.814	-21.900	-382.09E-6
	39.00000	-8.70000	-3.50000	-2.0805	-3.6500	-10.817	-22.062	-380.81E-6
	39.00000	-7.72000	-3.50000	-2.1726	-3.6500	-10.820	-22.196	-379.75E-6
	39.00000	-6.74000	-3.50000	-2.2482	-3.6500	-10.821	-22.303	-378.89E-6
	39.00000	-5.76000	-3.50000	-2.3071	-3.6500	-10.823	-22.386	-378.22E-6
	39.00000	-4.78000	-3.50000	-2.3494	-3.6500	-10.823	-22.446	-377.73E-6
	39.00000	-3.80000	-3.50000	-2.3749	-3.6500	-10.824	-22.485	-377.42E-6
	39.00000	-2.82000	-3.50000	-2.3833	-3.6500	-10.824	-22.502	-377.28E-6
	39.00000	-1.84000	-3.50000	-2.3739	-3.6500	-10.824	-22.496	-377.32E-6
	39.00000	-0.86000	-3.50000	-2.3460	-3.6500	-10.824	-22.466	-377.57E-6
	39.00000	0.12000	-3.50000	-2.2988	-3.6500	-10.823	-22.410	-378.03E-6
	39.00000	1.10000	-3.50000	-2.2314	-3.6500	-10.822	-22.323	-378.73E-6
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	39.00000	4.04000	-3.50000	-1.9035	-3.6500	-10.813	-21.845	-382.53E-6
	39.00000	5.02000	-3.50000	-1.7508	-3.6500	-10.808	-21.561	-384.79E-6
	39.00000	6.00000	-3.50000	-1.5552	-3.6500	-10.726	-20.281	-391.80E-6
Law Bdg Nth	21.60000	4.00000	-2.80000	-0.34807	-3.0500	0.0086714	0.58842	-7.1518E-6
	21.60000	2.95000	-2.80000	-0.55274	-3.0500	0.0014609	0.11427	-1.4067E-6
	21.60000	1.90000	-2.80000	-0.69998	-3.0500	299.41E-6	-0.071869	0.0
	21.60000	0.85000	-2.80000	-0.80588	-3.0500	-39.550E-6	-0.16577	2.2072E-6
	21.60000	-0.20000	-2.80000	-0.87886	-3.0500	-164.75E-6	-0.21637	2.8717E-6
	21.60000	-1.25000	-2.80000	-0.92475	-3.0500	-211.01E-6	-0.24209	3.2110E-6
	21.60000	-2.30000	-2.80000	-0.94819	-3.0500	-220.98E-6	-0.25191	3.3412E-6
	21.60000	-3.35000	-2.80000	-0.95317	-3.0500	-212.59E-6	-0.25120	3.3323E-6
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	21.60000	-8.60000	-2.80000	-0.80859	-3.0500	-120.68E-6	-0.18626	2.4738E-6
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	21.60000	-13.85000	-2.80000	-0.55323	-3.0500	-50.327E-6	-0.10604	1.4099E-6
	21.60000	-14.90000	-2.80000	-0.50316	-3.0500	-40.157E-6	-0.092466	1.2297E-6
	21.60000	-15.95000	-2.80000	-0.45558	-3.0500	-31.683E-6	-0.080292	1.0680E-6
	21.60000	-17.00000	-2.80000	-0.41099	-3.0500	-24.816E-6	-0.069564	0.0
Law Bbg Est	21.60000	-17.10000	-2.80000	-0.40691	-3.0500	-24.240E-6	-0.068617	0.0
	20.52000	-17.10000	-2.80000	-0.36772	-3.0500	-18.414E-6	-0.059529	0.0
	19.44000	-17.10000	-2.80000	-0.33216	-3.0500	-14.166E-6	-0.051922	0.0
	18.36000	-17.10000	-2.80000	-0.30005	-3.0500	-11.032E-6	-0.045540	0.0
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	11.88000	-17.10000	-2.80000	-0.16606	-3.0500	-3.1446E-6	-0.023441	0.0
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	9.72000	-17.10000	-2.80000	-0.13807	-3.0500	-2.2747E-6	-0.019668	0.0
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	5.40000	-17.10000	-2.80000	-0.097639	-3.0500	-1.3611E-6	-0.014643	0.0
	4.32000	-17.10000	-2.80000	-0.089904	-3.0500	-1.2248E-6	-0.013723	0.0
	3.24000	-17.10000	-2.80000	-0.082884	-3.0500	-1.1094E-6	-0.012894	0.0
	2.16000	-17.10000	-2.80000	-0.076487	-3.0500	-1.0102E-6	-0.012139	0.0
	1.08000	-17.10000	-2.80000	-0.070631	-3.0500	0.0	-0.011447	0.0
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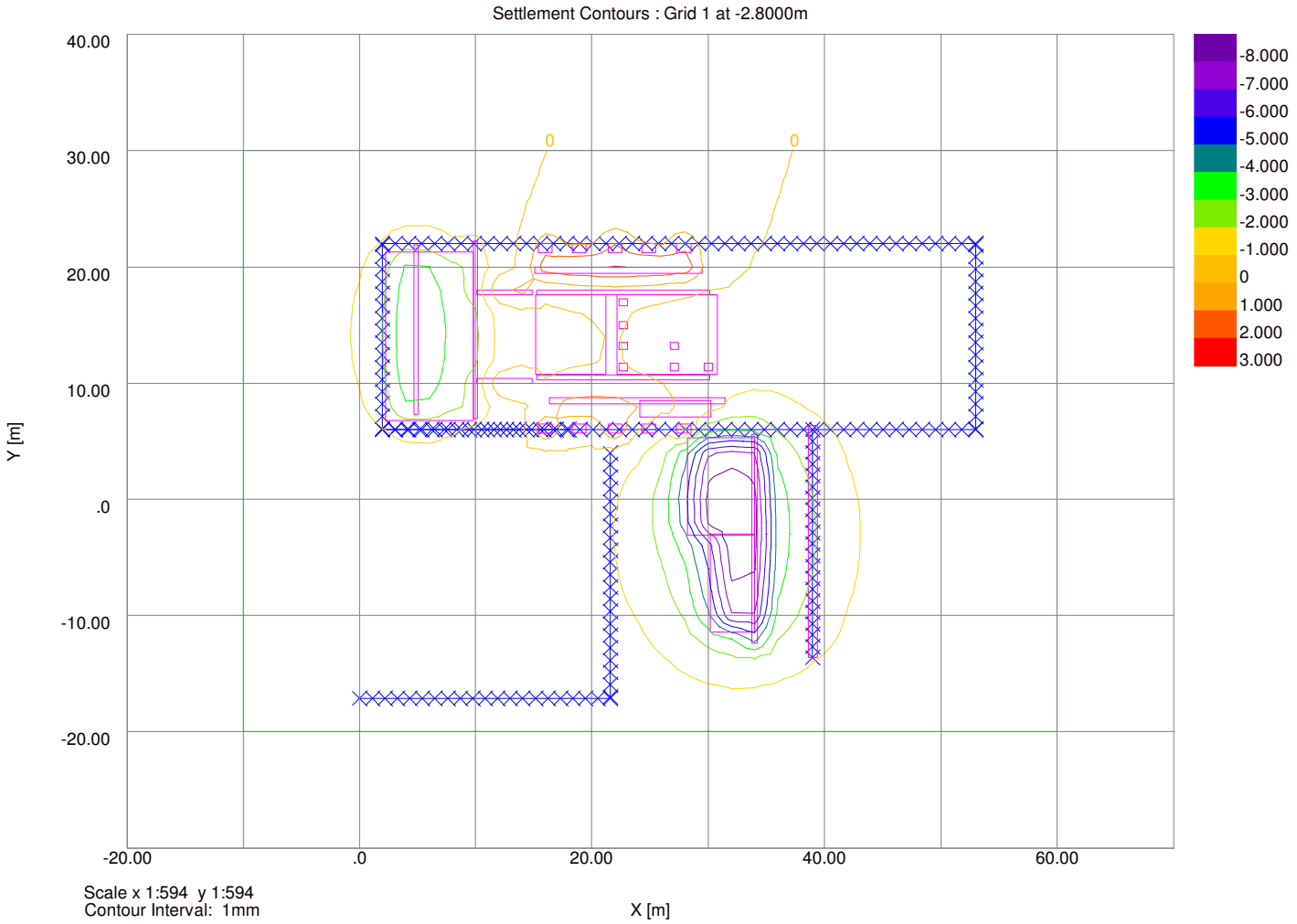
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10.00
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-10.00
-20.00
Y [m]
-20.00
.0
20.00
40.00
60.00
X [m]
0
0
-8.000
-7.000
-6.000
-5.000
-4.000
-3.000
-2.000
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0
1.000
2.000
3.000
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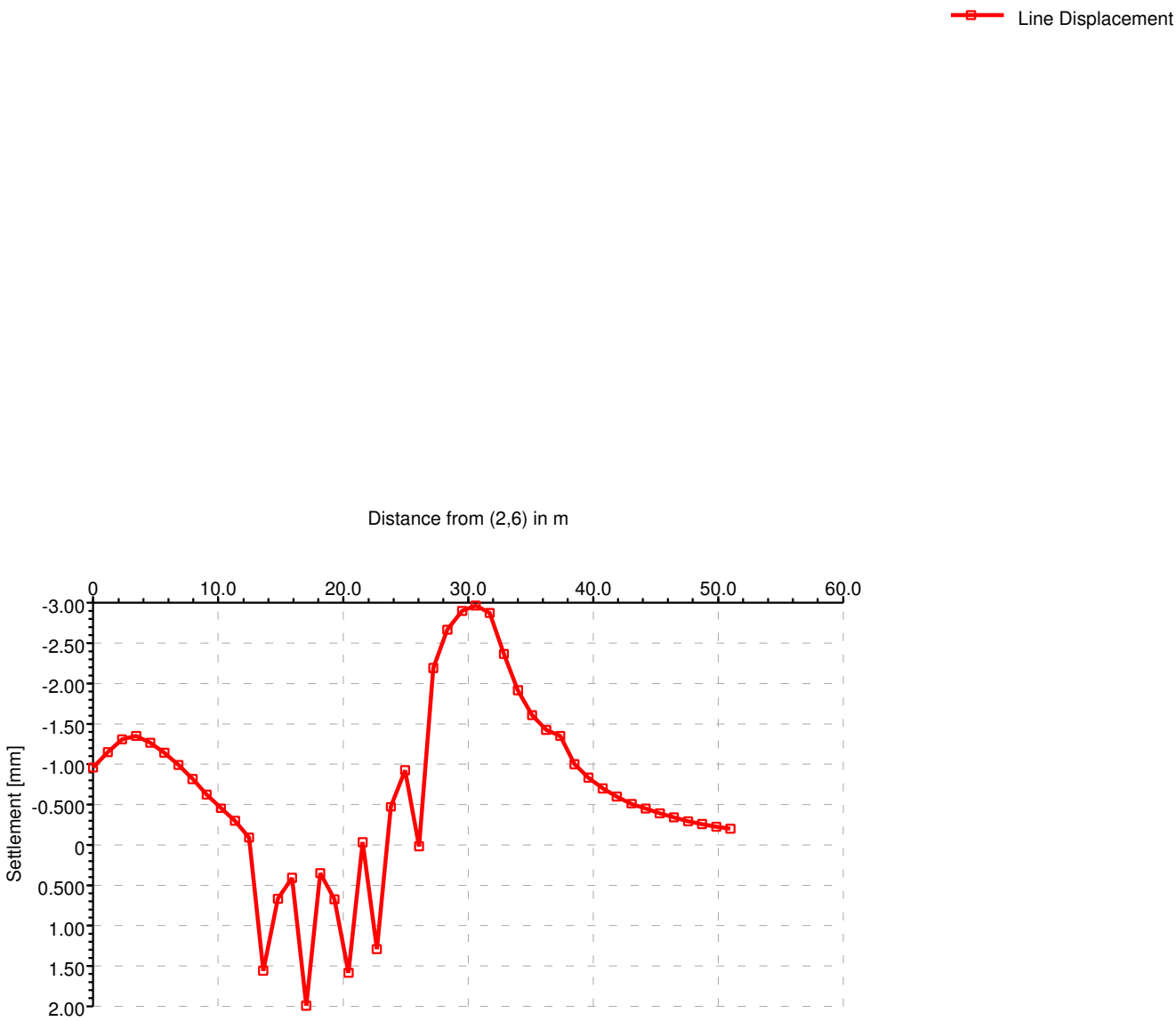
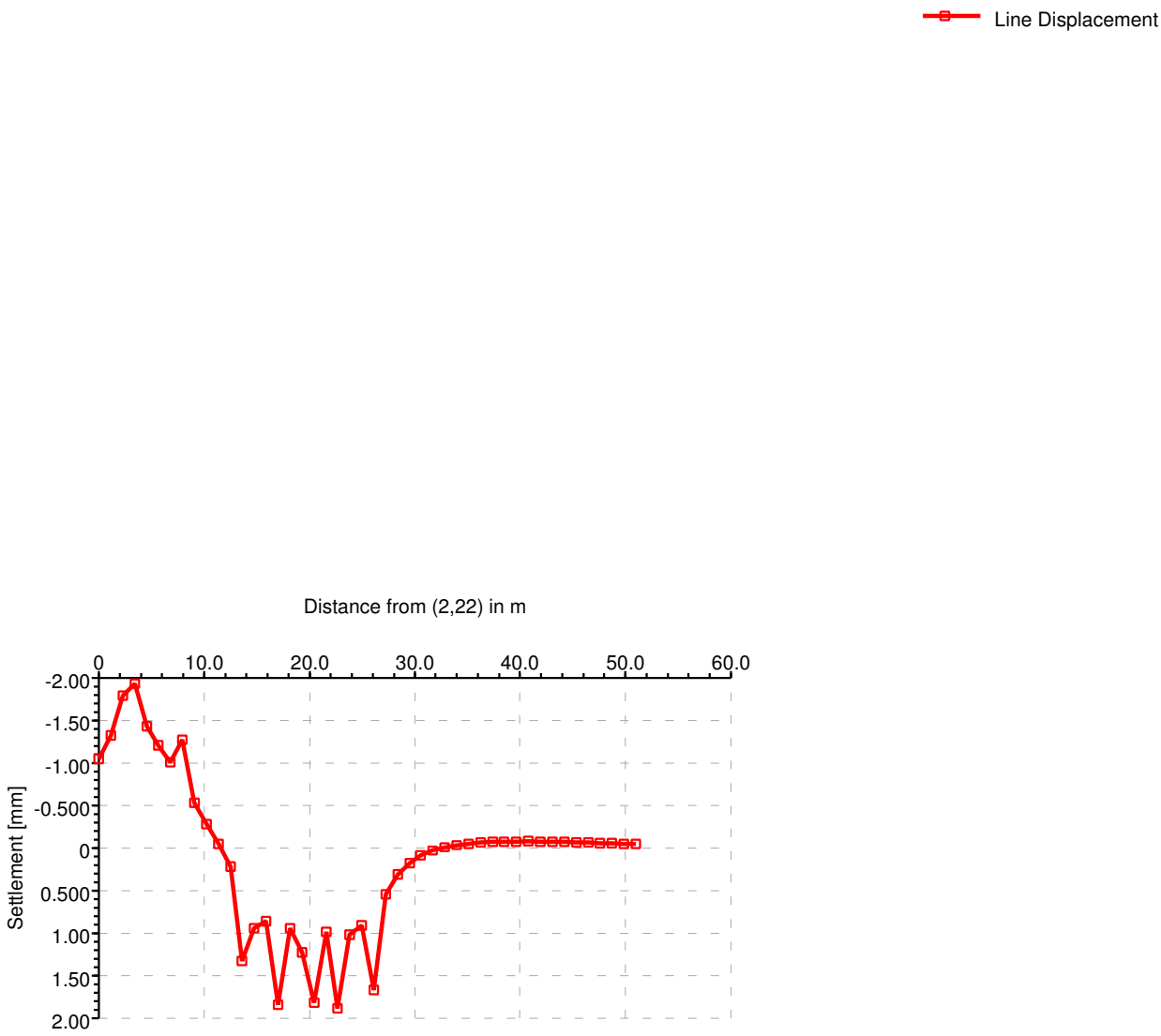
Contour Interval: 1mm

Royal Academy of Dramatic Arts
16-18 Chenies Street Development
Long term unloading and reloading

Displacement for 16 Chenies Est

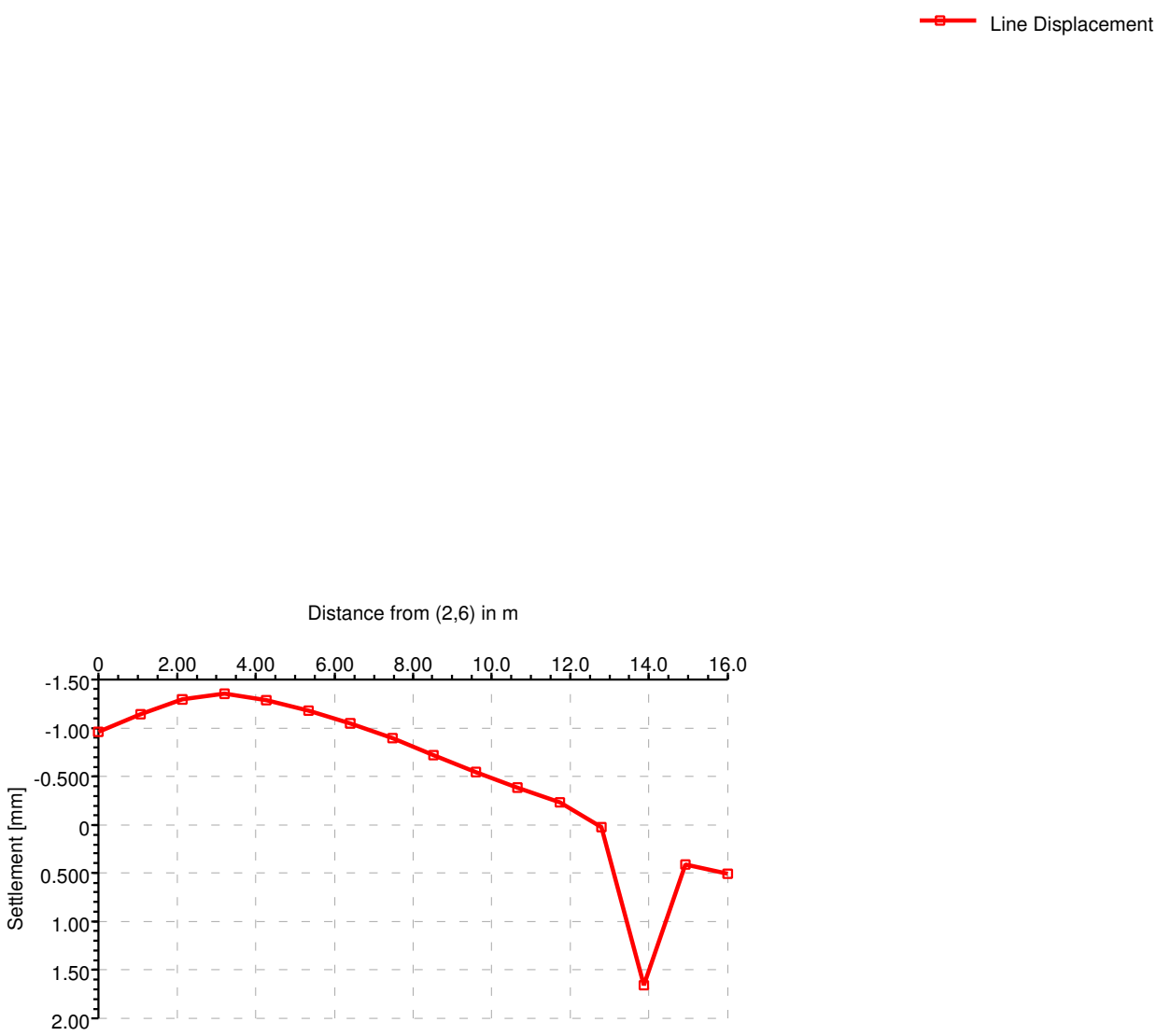


Displacement for 16 Chenies Wst

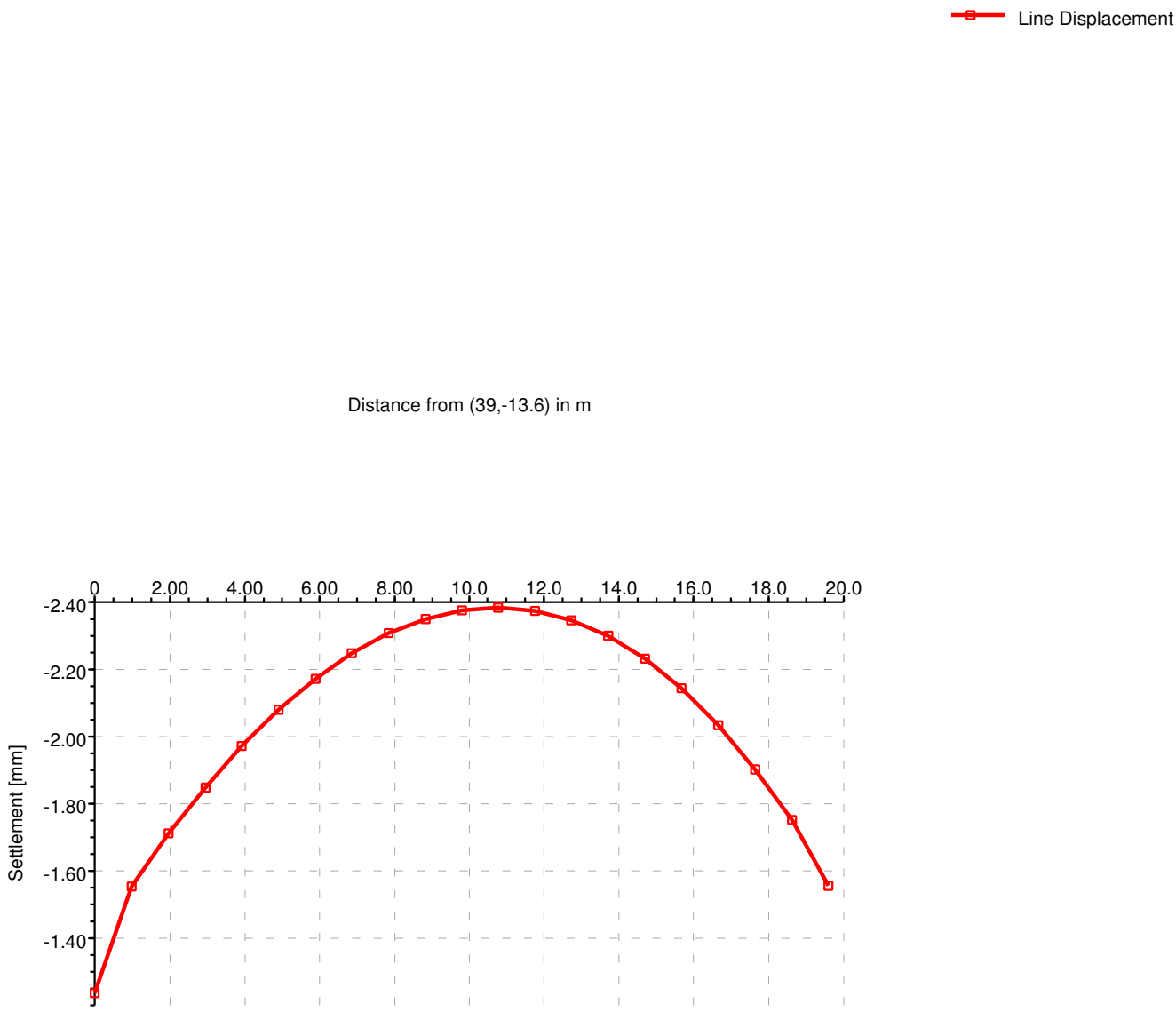


Royal Academy of Dramatic Arts
16-18 Chenies Street Development
Long term unloading and reloading

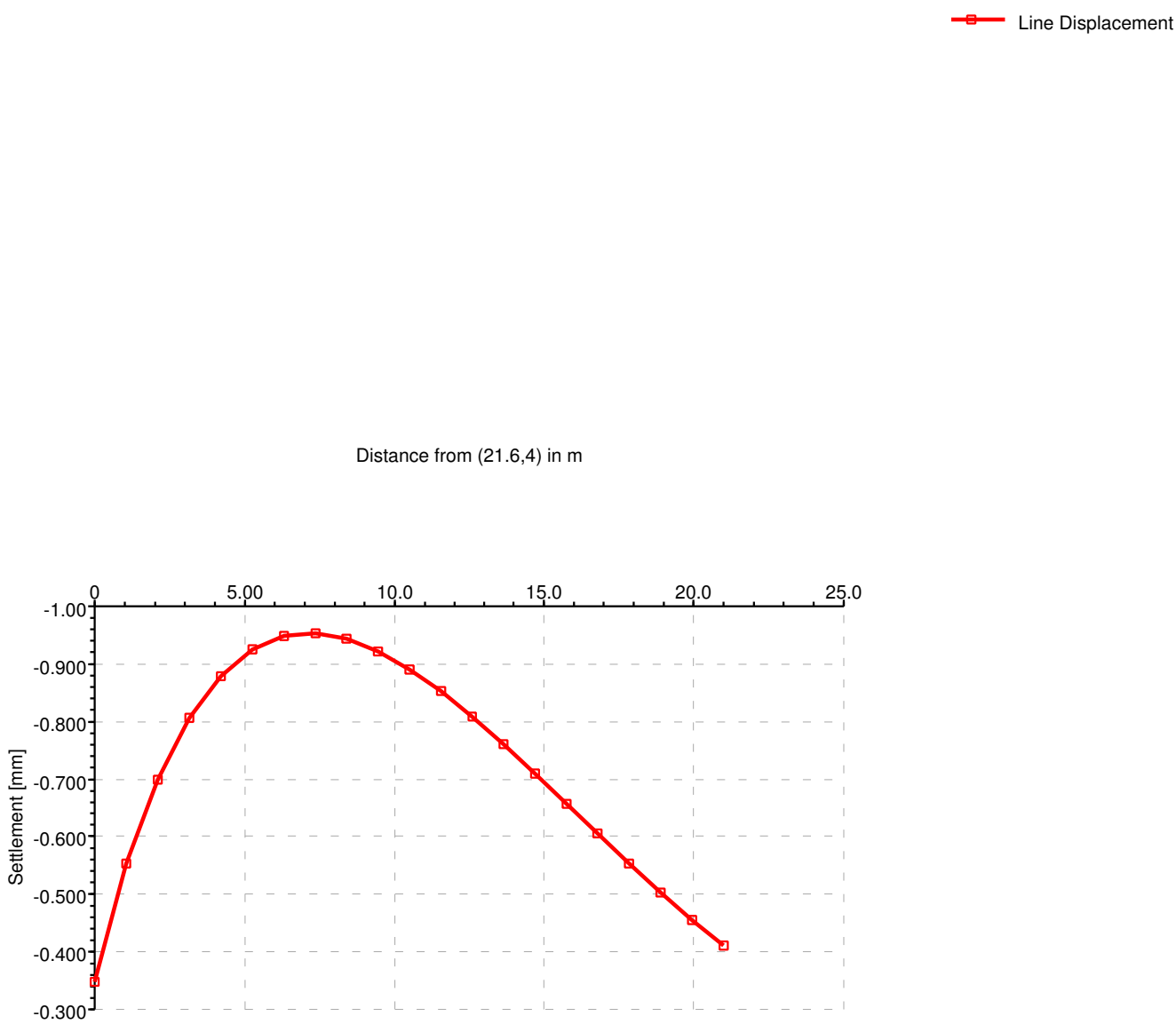
Displacement for Law Bdg Infill



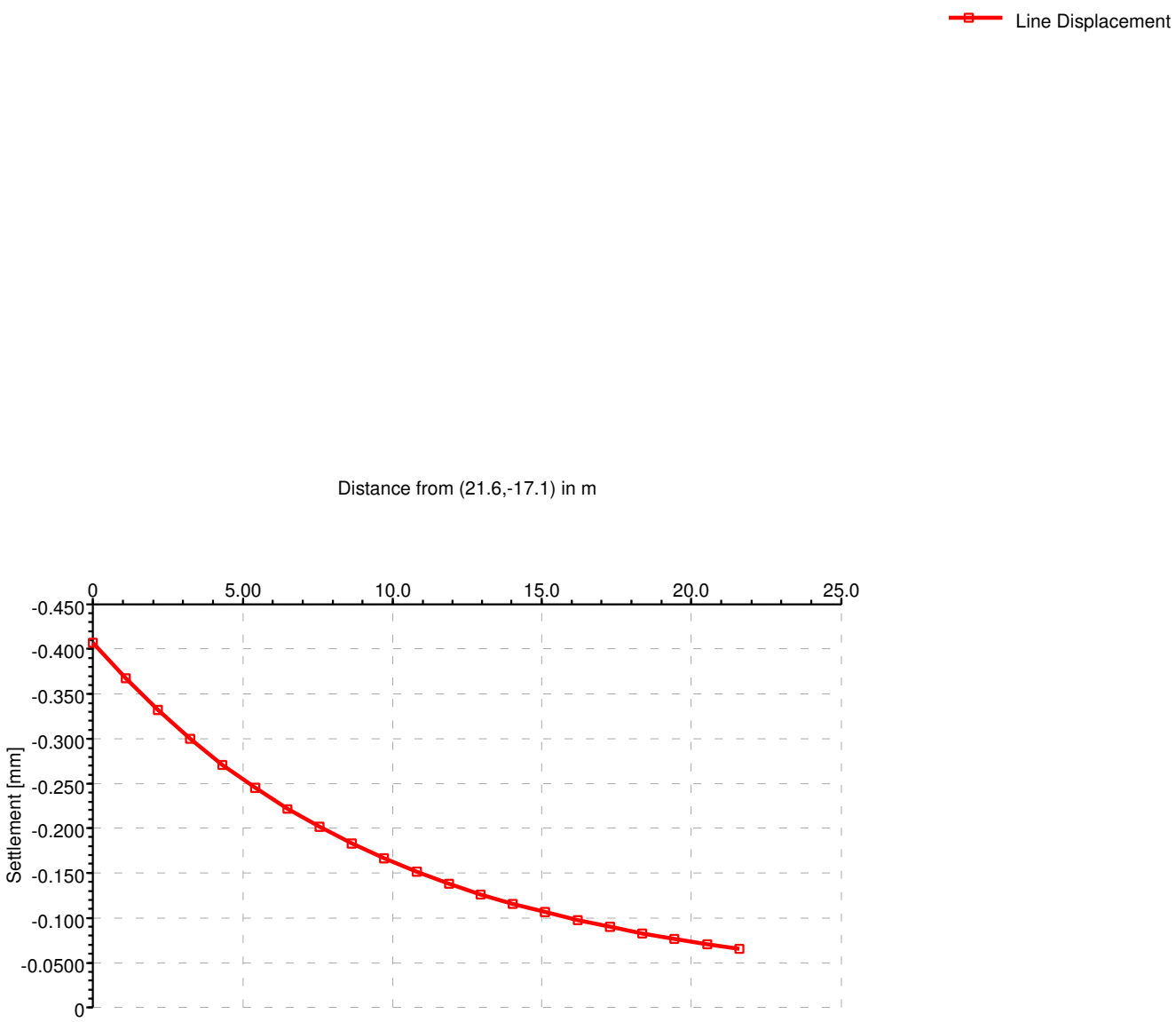
Displacement for 18 Chenies Retained Wall



Displacement for Law Bdg Nth



Displacement for Law Bbg Est



GEA Geotechnical & Environmental Associates	Widbury Barn Widbury Hill Ware Herts SG12 7QE	**Ground Movement Analysis Site Plan**

Site	Royal Academy of Dramatic Arts, 16-18 Chenies Street, London, WC1E 7EX
Client	Royal Academy of Dramatic Arts
Engineer	Price and Myers

Job Number J15215

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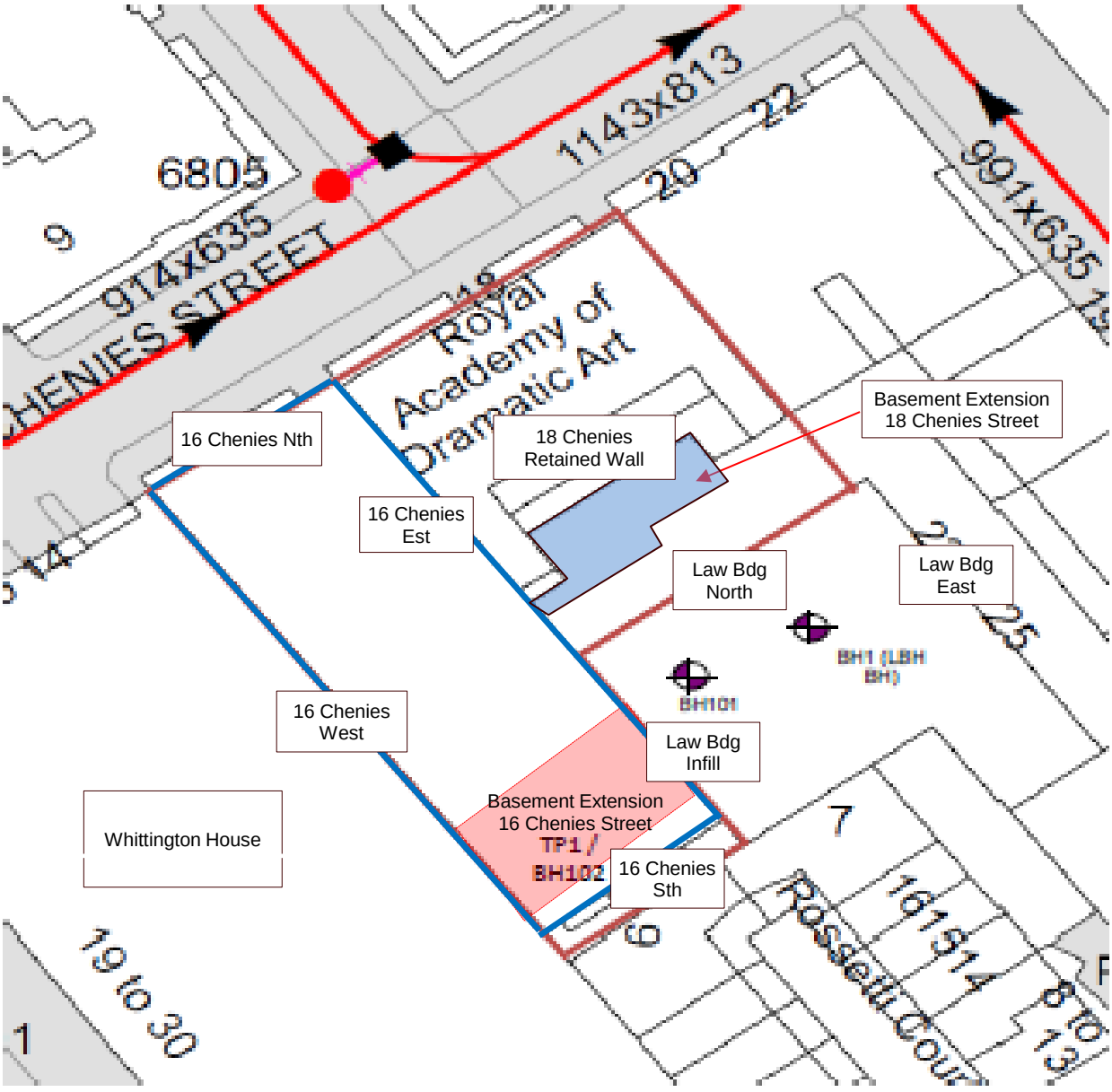

Geotechnical & Environmental Associates (GEA)
is an engineer-led and client-focused independent specialist providing a complete range of geotechnical and contaminated land investigation, analytical and consultancy services to the property and construction industries.

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