GROUND MOVEMENT ASSESSMENT

FOR

138 – 140 HIGHGATE ROAD
HIGHGATE
LONDON
NW5 1PB

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CONTENTS

PAGE

1 INTRODUCTION 1

1.1 SITE LOCATION 1

1.2 STUDY AIMS & OBJECTIVES 2

2 PROPOSED DEVELOPMENT 3

2.1 SITE BOUNDARIES 3

2.2 PROPOSED DEVELOPMENT 3

3 GROUND MOVEMENT ASSESSMENT 7

4 CONCLUSIONS & CLOSING REMARKS 20

1 INTRODUCTION

1.1 SITE LOCATION

The site is located on 138 – 140 Highgate Road, London, NW5 1PB at an approximate grid reference TQ 528629, 185800 (Easting: 528629, Northing: 185800), as indicated in **Figure 1.1.** The site is approximately 72 m long and 62 m wide and it is noted to slope downwards from the east to the west. There are two existing structures on the site, a petrol station with roof structure and vehicle MOT building, as indicated in **Figure 1.2**.

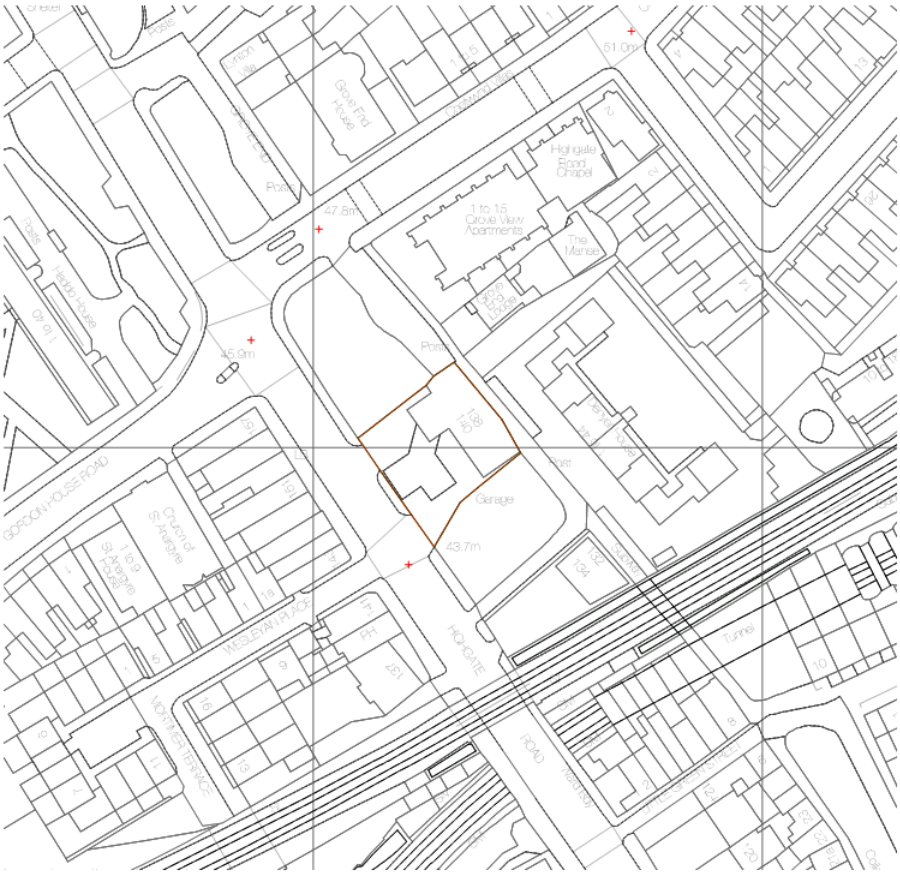


Figure 1.1 Ordnance survey map

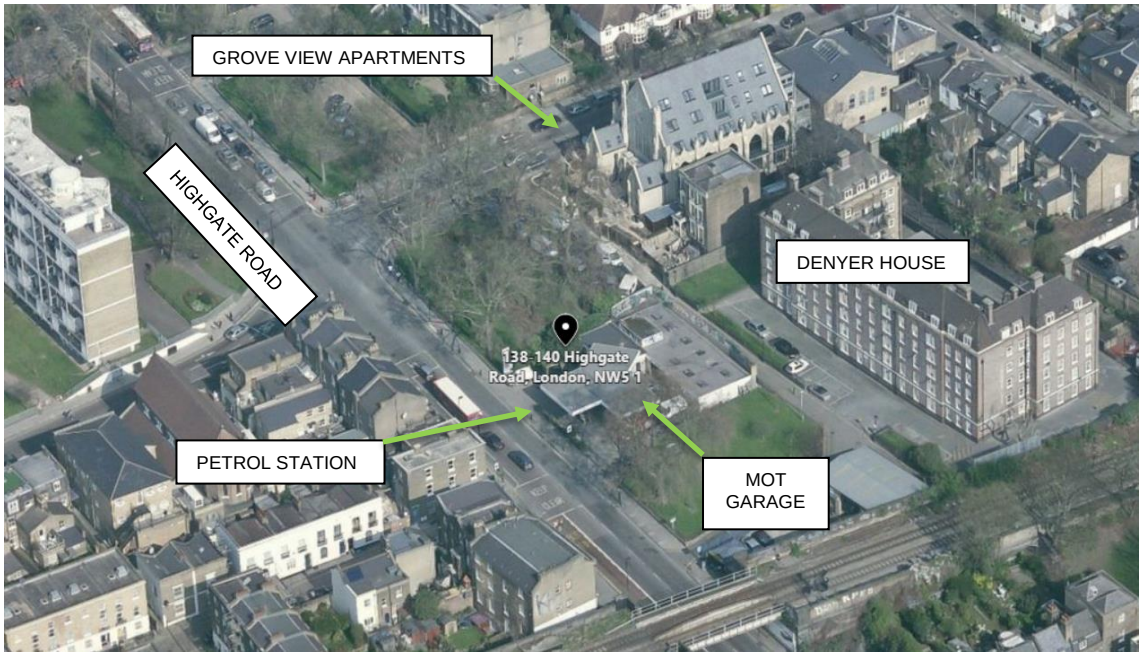


Figure 1.2 Site location and surroundings

1.2 STUDY AIMS & OBJECTIVES

A ground movement assessment has been carried out in order to assess the potential ground movement field induced by the proposed redevelopment works at 138 – 140 Highgate Road on the neighbouring properties.

The proposed scheme includes the demolition of the existing 138 – 140 Highgate Road properties followed by the construction of the new residential development. Redevelopment works are also planned to take place around the front of the plot where garden areas are planned.

The modelling works carried out and described herein are provided to:

- Assess the impact of the proposed works on the local ground movements induced by the proposed development in the proximity to adjacent properties.
- Check the ground movement along Highgate Road to verify the effect of the new development construction on existing road infrastructure.

This report provides a detailed description of the:

- Site and proposed development.
- Modelling parameters and input.
- Analyses and results.

2 PROPOSED DEVELOPMENT

2.1 SITE BOUNDARIES

The site under consideration and its neighbouring assets are presented in **Figure 2.1**. The proposed development is bound by Denyer House along the north east boundary, with green areas to the north and south. Highgate Road bounds the site to the west, as indicated in **Figure 1.2.**

Based on topographical data, the site is noted to slope downwards from the east to the west. More specifically, it is observed that the elevation at Denyer House is approximately 103 mOD, falling to around 101 mOD closer to Highgate Road. Moreover, Highgate Road slopes gently downward from north to south.

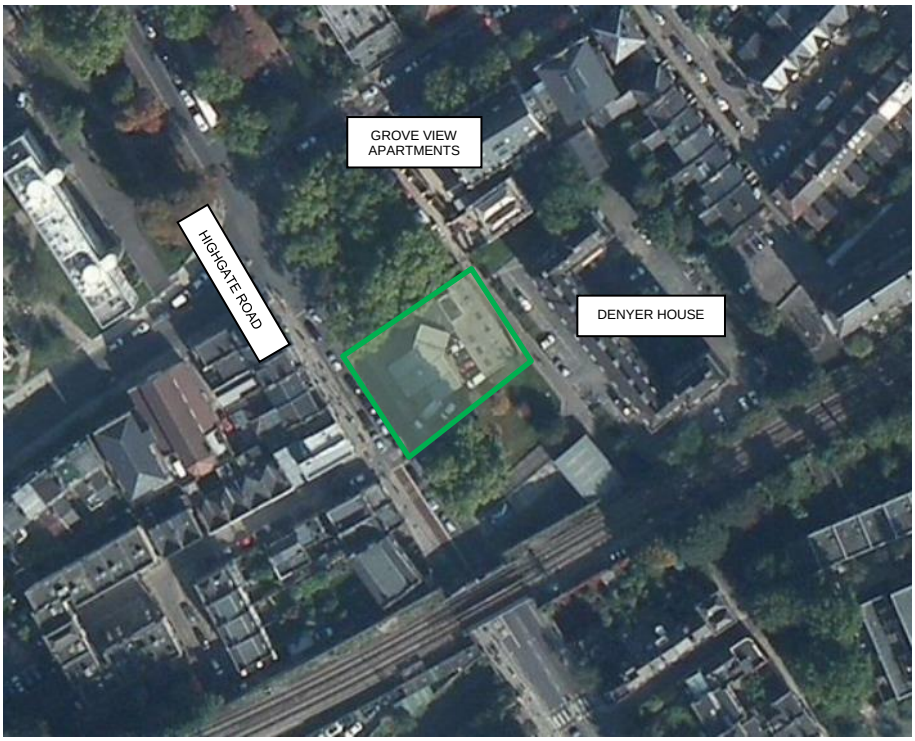


Figure 2.1 138 – 140 Highgate Road Site (site outline in green) and its surroundings.

2.2 PROPOSED DEVELOPMENT

The proposed development, as presented in **Figure 2.2** will involve the demolition of the existing building and construction of a new four-storey storey residential development. The new development will include a lower ground floor (half of which is below ground due to slope of ground) and a full single-storey basement below. The new building will be located in approximately the same footprint as the existing building, but the basement level will extend out to under most of the site.

An indicate section of the proposed development, displaying the elevations of each level is shown in **Figure 2.3**. The existing ground level of the site is approximately 100mOD.

The proposed SSL of the lower ground floor level is 98.36mOD, with the additional full basement level extending to a proposed SSL of 95.16mOD. Detailed substructure proposals were not available at the time of carrying out this GMA, for this reason a 500mm thick raft foundation has been assumed for analysis purposes, more specifically for the determination of the full bulk excavation depth. The Proposals indicate that a private garden will be included to the front of the development, adjacent to Highgate Road. The proposed excavation is anticipated to be conducted with the aid of an embedded pile wall (or similar solution – see indicative contiguous pile wall in **Figure 2.4**) as indicated by the preliminary drawings available at the time of writing this report.

DESIGN ASSUMPTIONS

It has been assumed that the earth retention system (embedded pile / sheet pile wall or suitable alternative) will be adequately propped during temporary works construction, in order to limit deflections during bulk excavation works and prior to permanent works slab installation. This may be achieved by one or a combination of the following (or another suitable alternative):

- Restraint from a capping beam bending out-of-plane across relatively short spans.
- Bespoke temporary props/corner bracing/etc.
- Temporary berm and raking prop arrangements.

Additionally, it has been assumed that the depth of embedment of the embedded pile wall below the formation level will be equal to the retained height – which is considered an upper bound for a propped wall, this assumption was made in light of the limited substructure design data available at the time of carrying out this GMA, in order to provide a robust assessment. A temporary cantilever retaining wall would require an embedded length in the order of 1.5 to 2 times the retained height.

INDICATIVE CONSTRUCTION SEQUENCE

The following outline construction sequence has been assumed:

- Establish site, repair any existing cracks and install monitoring equipment.
- Demolish existing structure.
- Install contiguous piled wall (or suitable alternative) from existing ground level along proposed basement perimeter.
- Excavation works carried out to achieve formation level, with parallel installation of temporary propping as required to maintain stability.

- Install buried drainage, heave board (if required) and cast basement slab.
- Remove temporary props when basement slab has gained sufficient strength.
- Completion of permanent works construction.

The piled wall will be installed from the existing ground level and will be designed by the piling specialist.

Figure 2.2 3D render of proposed development.

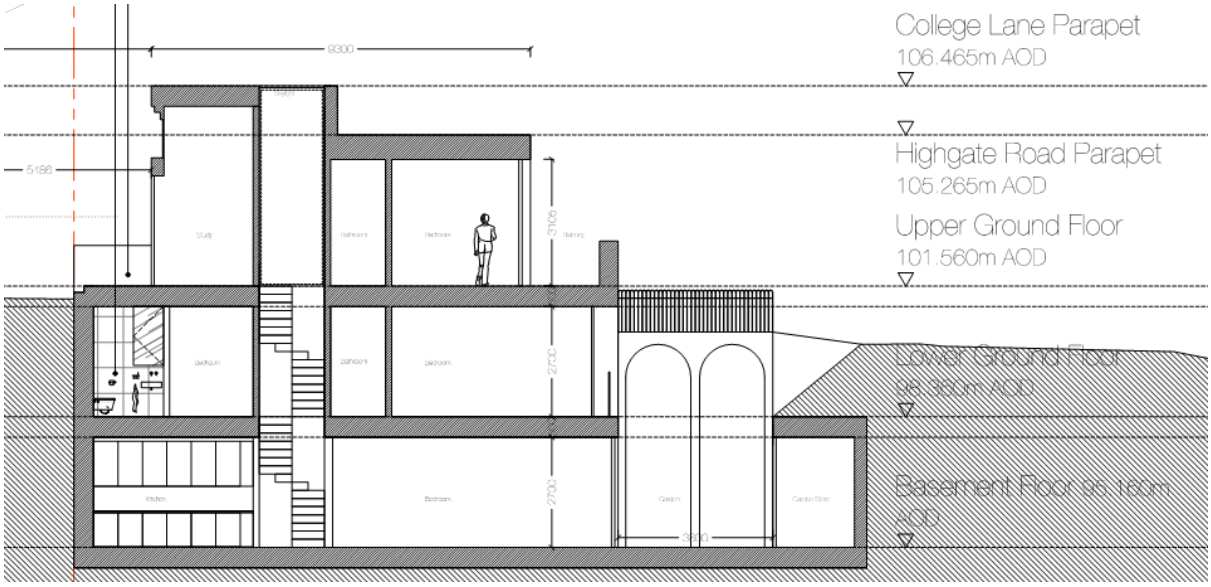


Figure 2.3 Indicative section through proposed development.

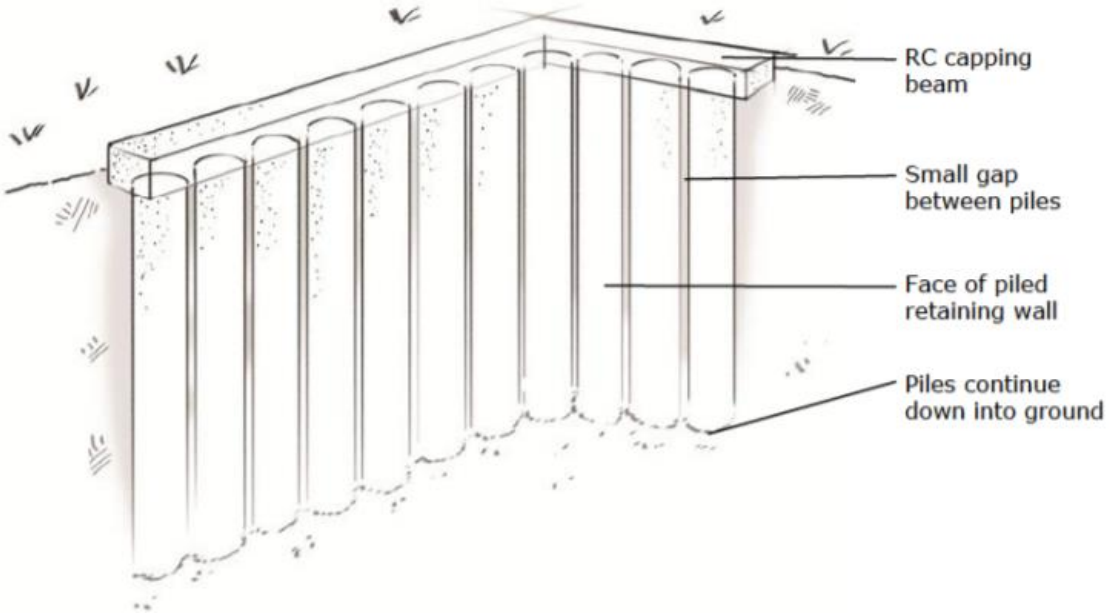


Figure 2.4 Indicative arrangement of a contiguous piles wall.

3 GROUND MOVEMENT ASSESSMENT

Overview

Ground movements will arise from a number of different sources as the works progress. These ground movements will extend over a given zone of influence surrounding the building footprint. Neighbouring structures may be adversely affected by ground movements resulting from basement construction. A simplified account of typical sources of ground movement is provided below:

1. Demolition and enabling works:
    - Minor stress relief and (typically) small ground movements associated with removal of permanent building loads during demolition.
    - Ground movements arising primarily from contractor workmanship and adopted means and methods to enable the site to progress with basement works. E.g. shoring of temporary excavations to remove obstructions prior to piling, etc.
2. Installation effects:
    - Ground movements arising from installation of embedded retaining wall elements, such as contiguous piled walls.
    - The development and pattern of ground movements is dependent on the sequence that the works are performed.
3. Bulk excavation to formation:
    - Ground movements arising from stress relief associated with unloading of the ground mass.
    - Ground movements associated with soil-structure interaction between the embedded retaining wall, temporary propping system and retained ground mass.
4. Permanent loading:
    - Ground movements associated with construction of the superstructure.
    - Redistribution of load paths from temporary works elements to permanent works elements.
    - Long term ground movements associated with soil consolidation and creep.

Means and methods

The GMA has been undertaken using proprietary spreadsheets and the commercially available software Oasys Pdisp and Xdisp, which consider the three-dimensional ground movement field induced by the proposed works in a simplified way.

Ground movements associated with Items 1, 3 & 4 (as described in the previous section), were evaluated using Oasys Pdisp. In these analyses the soil is assumed to behave as an isotropic, linear elastic medium. Structural forces applied to the foundation and the effects of stress-relief due to excavation are represented by applying pressures on planes at the surface, or within the elastic half-

space representing the foundation soils. Ground movements that are primarily due to contractor workmanship cannot be captured within this type of assessment.

Ground movements associated with Items 2 & 3 were also evaluated using the empirical normalised displacement curves presented in CIRIA C760 for installation and excavation of embedded retaining walls. These curves have been developed from a database of recorded ground movements and they generally represent an upper bound to the data. It is assumed that some effects of workmanship are intrinsically captured within the movement records. Notwithstanding, ground movements due to poor workmanship practices, (e.g. flighting in meta-stable sands and silts) may induce movements significantly higher than those represented by the empirical ground movement curves. It is assumed that the ground works will be carried out by a competent and experienced groundworks contractor.

A series of three-dimensional models of the proposed scheme have been developed in both software packages outlined previously and have been combined by means of superposition to represent the various ground displacement fields summarised above. An indicative plot of the analytical model with clarification comments is presented below in Error! Reference source not found..

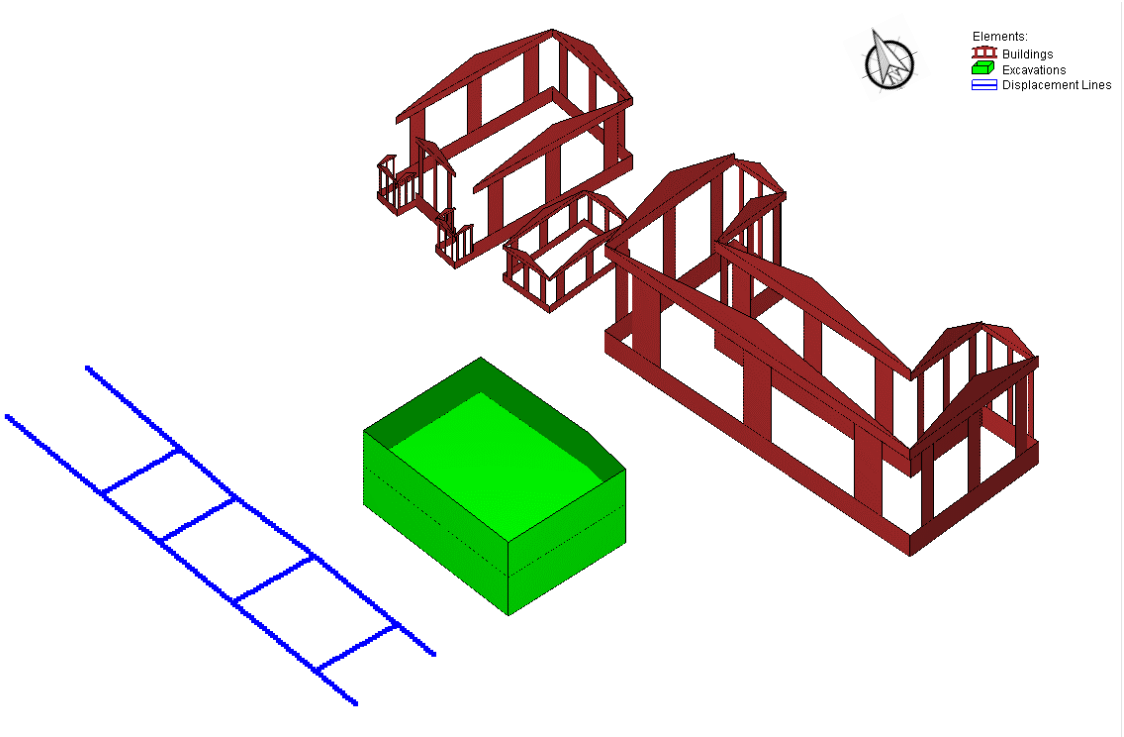


Figure 3.1 Indicative plot of the three-dimensional analytical model produced using the Oasys software suite (soil removed for clarity of presentation). Simplified excavation geometry shown in green and Highgate Road in blue.

Ground Model

An idealised ground model has been evaluated based on the site-specific ground investigation which comprised 7no window sample boreholes to 5.45mbgl and 2no cable percussive boreholes, drilled up to 24.95mbgl both with associated in situ testing and sampling.

The thickness of Made Ground was observed in the boreholes to be typically 1m thick. It is assessed that the buildings adjacent to the proposed development site will be founded at ground surface. The thickness of the London Clay was not proven during the site investigation. Error! Reference source not found. summarises the representative ground model adopted for ground movement assessment purposes.

Table 3.1: Summary of ground model and geotechnical parameters adopted for analysis purposes

Stratum	Top of stratum (mbgl)	Assumed Undrained Strength, S_u (kPa)	Undrained Young's Modulus, E_u (MPa)	Drained Young's Modulus, E' (MPa)
Made Ground	0.0	-	-	15.0
London Clay	1.0	30 + 6.3z [1]	15.0 + 3.1z [1]	12.0 + 2.5z [1]

Notes: 1. z is the depth in metres below top of the London Clay, which is assumed to be approx. 1.0m below existing ground level.

2. *Rigid boundary* assumed at 64mOD for analytical purposes (conservative level adopted capturing extensive zone of influence based on development width of around 20m).

3. The stiffness data (E_u and E') has been evaluated empirically taking into consideration the nature of the geotechnical/soil-structure interaction mechanisms and level of anticipated strain within the soil mass.

Assessment Scenarios

1. Two different scenarios have been considered in order to bound the potential ground movements arising from the proposed works.
   In the first option (Method 1), the worst-case heave condition was assessed by assuming that no lateral or downward ground movement takes place during the piling operations. Heave movements arising from the proposed basement excavation were assessed using Oasys Pdisp.

   The proposed bulk excavation works and associated heave was modelled by applying an upward (unloading) stress at the formation level, which is equivalent to the total stress relief

(approx. -110 kPa) imposed by the proposed depth of excavation beneath the existing buildings.

For the short-term analysis, representing the condition immediately following excavation, the soil mass was modelled using undrained stiffness parameters.
In the long-term (representing the condition some time after the building works are complete and excess pore pressures have dissipated), relaxation of the soil was captured by using drained soil parameters. The effect of long-term new loads from the proposed building were also incorporated in this phase.

Figure 3.2 shows the geometry and intensity of the footing loads as applied in the Pdisp model. The permanent building loads were evaluated on the basis of an indicative load takedown based on the proposed floor arrangements provided.

2. The second option (Method 2) assesses horizontal movements and ground settlements (as opposed to heave evaluated in Option 1) imposed by the proposed excavation and underpinning works.

   The horizontal and vertical ground movements due to underpin installation and mass excavation to formation level were evaluated using the normalised CIRIA C760 curves for ground movement, as implemented in Oasys Xdisp. Installation was modelled by adopting the CIRIA C760 curve for Installation of contiguous piled wall in stiff clay. Bulk excavation was evaluated using the CIRIA C760 curve for Excavation in front of a high stiffness wall in stiff clay.

   This option assumes that the piled wall installation imposes a ground movement field (resulting from installation and lateral deflection), leading to lateral and vertical components of movement and displacements at foundation level. This is considered a reasonable and bounds the solution between maximum potential heave, settlements and lateral deformations anticipated for the type of construction presented herein, which are also inherently subject to satisfactory control of workmanship.

   As for Method 1, short-term and long-term phases were considered. The proposed building loads were also incorporated.

Impact Assessment

The potential impact/damage induced on primary façade/wall elements of the buildings within the zone of influence of the proposed scheme has been evaluated on the basis of the calculated ground movement field. The walls of concern are shown in **Figure 3.3**, including the wall nomenclature/reference system adopted. The arrangement is based on the currently available information and presents a reasonable array of primary structures both perpendicular and parallel to the proposed basement (covering the key deformation mechanisms).

Each wall has been assumed to behave as an equivalent beam subject to a bending and extension/compression deformation mechanism, based on the evaluated greenfield ground movement, as outlined previously. The walls under investigation were conservatively considered to be of masonry structure.

Attention was also paid to potential ground movements both parallel and perpendicular to Highgate Road.

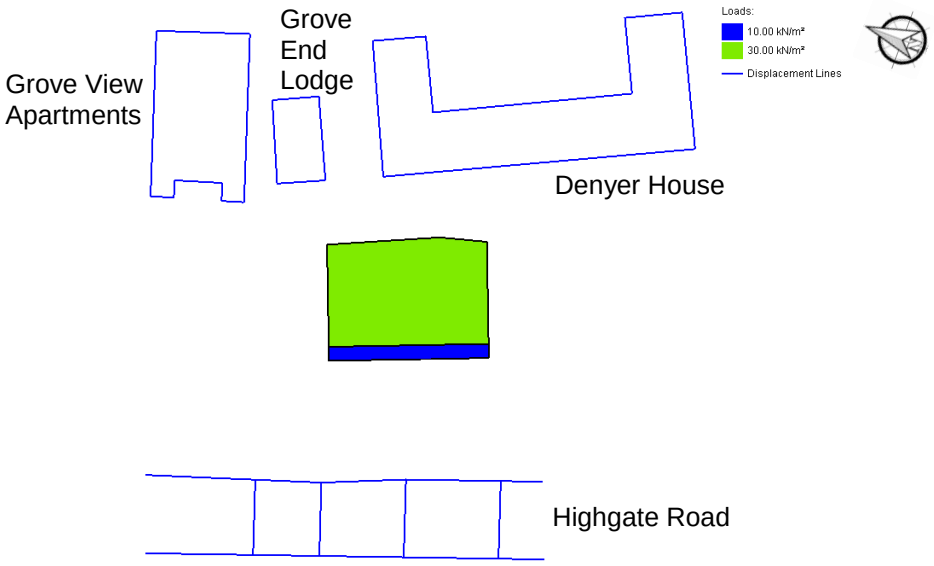


Figure 3.2 Long-term phase loading regime model with adjacent properties. The green and blue areas represent the main building loading and bicycle storage area, respectively.

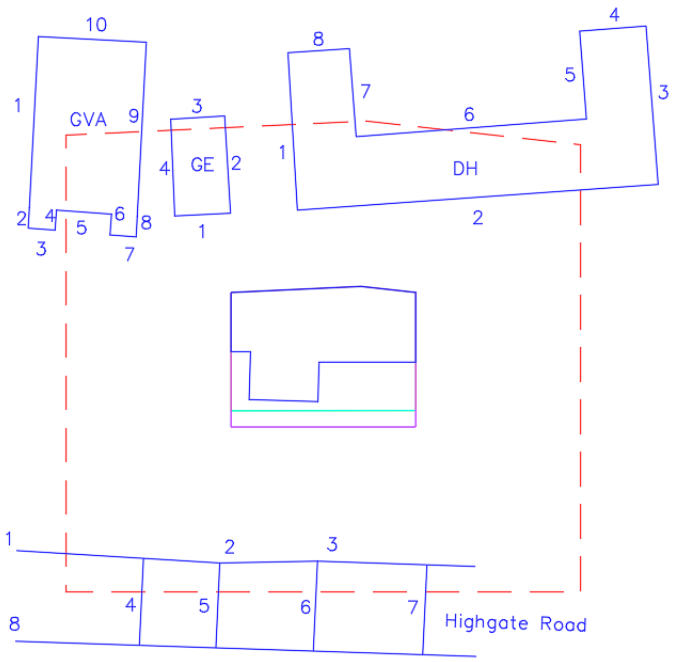


Figure 3.3 Simplified scheme and nomenclature for building façade/masonry wall elements (blue), proposed (magenta) schemes, and excavation zone of influence (dashed red).

Tensile strains induced within the building masonry walls have been evaluated based on the deflection ratios Δ/L estimated from the analyses. The assessment considers the well-established Burland (1997) damage classification method, as presented and summarised in **Figure 3.4** & **Figure 3.5**. This method involves a simple but robust means of assessment, which is widely adopted and is considered to comprise an industry standard/best practice basis for impact assessments of this typology.

Potential damage categories are directly related to the tensile strains induced by the assessed interim (short-term) and long-term phases of construction, arising from a combination of direct tension and bending induced tension mechanisms, as reported in **Table 3.2**.

Impact Assessment Outcomes

The results from the analysis are presented in **Table 3.2** (denoting the evaluated damage categorisation in accordance with the Burland criteria presented herein).

The majority of the façades fall within Category 0, representative of a Negligible damage classification. Two façades have been classified as Category 1, representative of Very Slight damage classification. No façades have been classified as Category 2 (slight) or higher.

On the basis of the bounding analysis methods, it is assessed that the damage category for the properties adjacent to 138 – 140 Highgate Road will not exceed Category 1 – very slight. Both the vertical and horizontal contour plots from the long-term analysis in Method 2 (giving the most conservative results) are presented below in **Figure 3.6** and **Figure 3.7**.

Highgate Road runs immediately to the west of the site under consideration. The impact of piled wall installation and excavation works on this road has also been assessed in terms of maximum vertical and horizontal deflections at a number of locations. Soil displacements were assessed along the blue lines drawn on the streets (see **Figure 3.3**). Lines running both parallel (segments 1 & 2) and perpendicular (segments 3-6) to the streets were defined to capture the effects more accurately.

The Thames Water asset search has indicated the presented of the infrastructure within Highgate Road only. The assessment found that the majority of displacements at these locations were between 1-2 mm and as such are considered negligible. Consequently, it is considered that the potential impact on the existing infrastructure is not critical but should be verified if 3rd parties requires any additional assessment.

On the basis of these results, it can be reasonably concluded that the risk of the proposed works resulting in loss of structural integrity to the pavement build-up of Highgate Road is low. Nevertheless, it may be prudent for the contractor to make an allowance for minor making good of pavement surfacing.

Table 3.2: Evaluated damage categories for strip/excavation and long-term condition stages (refer to Figure 3.3 for wall nomenclature).

Method 1

Building	Wall/façade reference	Damage Category Envelope	
		Excavation	Long-term
Danyer House	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)
	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)
Grove End Lodge	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
Grove View Apartments	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)

	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)
	9	0 (Negligible)	0 (Negligible)
	10	0 (Negligible)	0 (Negligible)
Highgate Road	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)
	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)

Method 2

Building	**Wall/façade reference**	**Damage Category Envelope**	
		Excavation	**Long-term**
Danyer House	1	**1 (Very Slight)**	**1 (Very Slight)**
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)
	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)

Grove End Lodge	1	0 (Negligible)	0 (Negligible)
	2	**1 (Very Slight)**	**1 (Very Slight)**
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
Grove View Apartments	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)
	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)
	9	0 (Negligible)	0 (Negligible)
	10	0 (Negligible)	0 (Negligible)
Highgate Road	1	0 (Negligible)	0 (Negligible)
	2	0 (Negligible)	0 (Negligible)
	3	0 (Negligible)	0 (Negligible)
	4	0 (Negligible)	0 (Negligible)
	5	0 (Negligible)	0 (Negligible)
	6	0 (Negligible)	0 (Negligible)
	7	0 (Negligible)	0 (Negligible)
	8	0 (Negligible)	0 (Negligible)

Building damage classification, after Burland et al 1977 and Boscardin and Cording 1989				
Category of damage		Description of typical damage (ease of repair is underlined)	Approximate crack width (mm)	Limiting tensile strain %
0	Negligible	Hairline cracks of less than about 0.1mm are classes as negligible.	< 0.1	0.0-0.05
1	Very Slight	Fine cracks that can easily be treated during normal decoration. Perhaps isolated slight fracture in building. Cracks in external brickwork visible on inspection.	< 1	0.05-0.075
2	Slight	Cracks easily filled. Redecoration probably required. Several slight fractures showing inside of building. Cracks are visible externally and some repointing may be required externally to ensure weathertightness. Doors and windows may stick slightly.	< 5	0.075-0.15
3	Moderate	The cracks require some opening up and can be patched by a mason. Recurrent cracks can be masked by suitable linings. Repointing of external brickwork and possibly a small amount of brickwork to be replaced. Doors and windows sticking. Service pipes may fracture. Weather-tightness often impaired.	5-15 or a number of cracks >3	0.15-0.3
4	Severe	Extensive repair work involving breaking-out and replacing sections of walls, especially over doors and windows. Windows and frames distorted, floors sloping noticeably. Walls leaning or bulging noticeably, some loss of bearing in beams. Service pipes disrupted.	15-25 but also depends on number of cracks	>0.3
5	Very Severe	This requires a major repair involving partial or complete rebuilding. Beams lose bearings, walls lean badly and require shoring. Windows broken with distortion. Danger of instability.	Usually >25 but depends on number of cracks	

Figure 3.4 Damage categorisation – relationship between category of damage and limiting strain ε_{lim}.

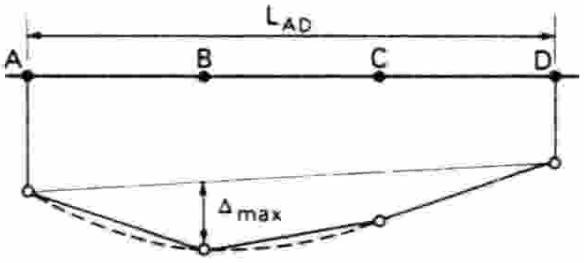


Figure 3.5 Definition of relative deflection Δ and deflection ratio Δ/L.

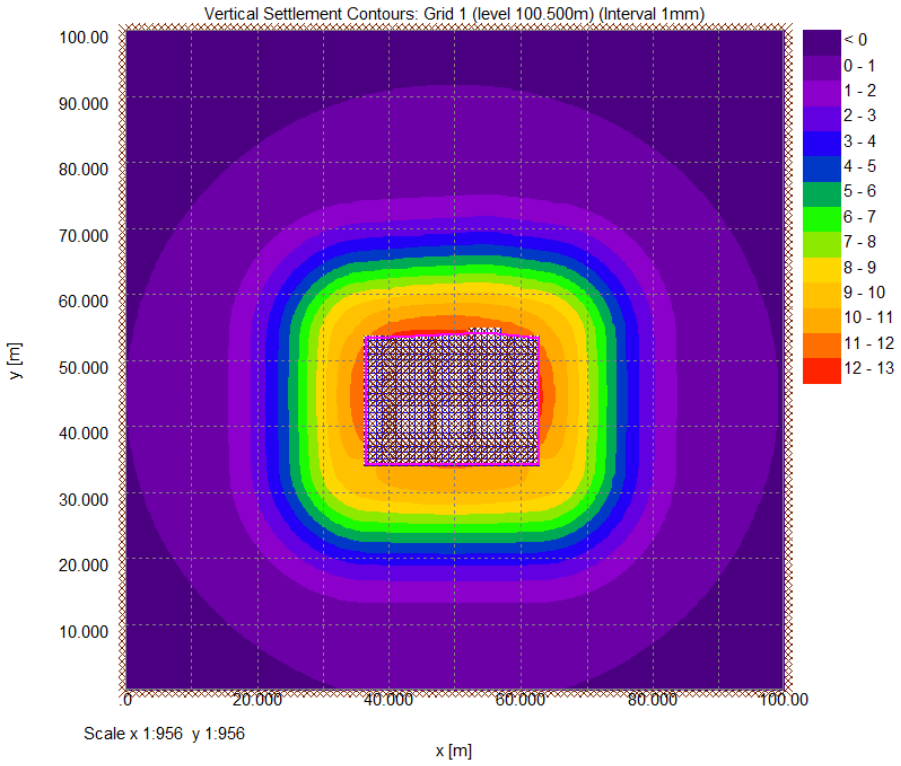


Figure 3.6 Vertical Settlement Contours for Method 2 long-term analysis

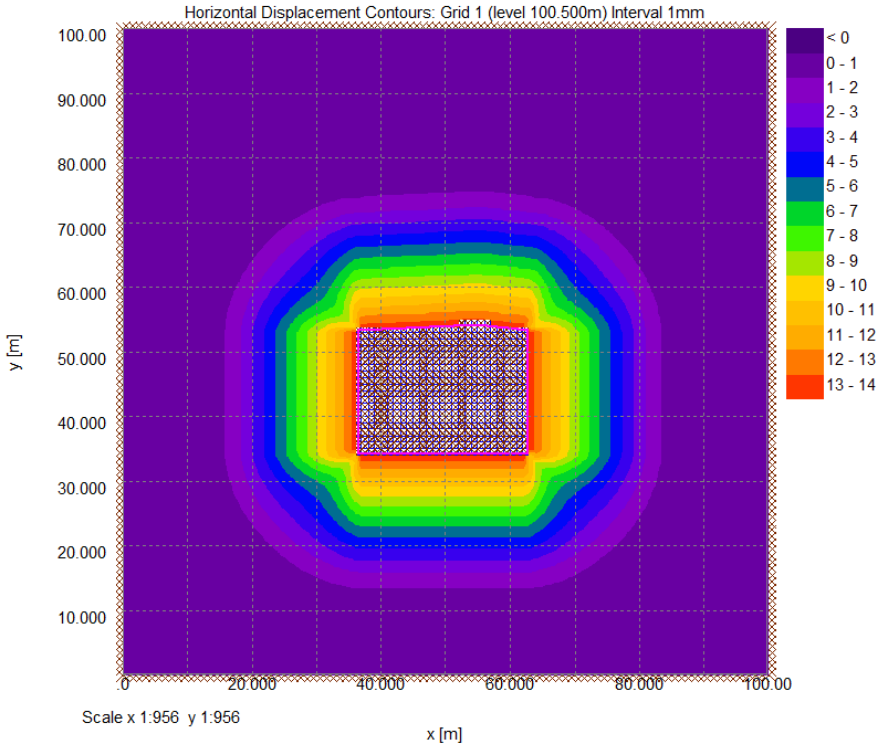


Figure 3.7 Horizontal Settlement Contours for Method 2 long-term analysis

4 CONCLUSIONS & CLOSING REMARKS

The interaction between the proposed 138 – 140 Highgate Road development, Denyer House, Grove End and Grove End Apartments has been reviewed as part of the GMA study presented herein.

The proposed development construction operations comprise a series of stages, including demolition of the existing structure, piled wall installation (assumed), basement excavation and construction of the proposed permanent works elements. The impact of construction works has been reviewed on the basis of two alternative methods (i.e. evaluating the effects of unloading/overburden removal using Pdisp (Method 1) and the excavation effect using empirical CIRIA ground movement curves in Xdisp (Method 2)).

The two different scenarios have been considered in order to bind the potential ground movements arising from the proposed works (i.e. maximum potential heave and settlement respectively). This strategy ensures a robust evaluation of the potential ground movement field resulting from the proposed works.

The results from the analysis are presented in **Table 3.2** (denoting the evaluated damage categorisation in accordance with the Burland criteria presented herein). The majority of the facades fall within Category 0, representative of a Negligible damage classification. Two structures / façades have been classified as Category 1, representative of Very Slight damage classification. No damage category higher than this has been assessed.

In addition to the above, assessments were carried out to quantify the potential impact of the proposed development on the adjacent roadways, respectively. The Thames Water asset search has indicated the presented of the infrastructure within Highgate Road where the ground movements were found to fall generally between 1-2mm. Such movements are considered to represent a low risk of damage to the structural integrity of the road build up and infrastructure. Nevertheless, it may be prudent for the contractor to allow for some localised making good of surface defects – if required.

It is noted that the predicted ground movements, the associated wall tensile strains and level of damage categorisation are considered to be moderately conservative in view of the relatively cautious ground model assumptions and greenfield nature of the assessment undertaken.

It is also noted that the GMA will be supplemented by a project specific monitoring regime and Action Plan, which will delineate lines of responsibility, monitor trigger levels and appropriate mitigation measures. The assessment presented herein is dependent and reliant on the works being undertaken by an experienced contractor, high quality workmanship and appropriate supervision of construction means and methods by experienced personnel.

OUTPUT FILES

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: GVA-1 | Sub-structure: GVA-1

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	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0 d
0.48595	9.22654	89.03772	100.50000	0.0	0.0	0.0	0.0 d
0.97189	9.20108	88.55244	100.50000	0.0	0.0	0.0	0.0 d
1.4578	9.17562	88.06716	100.50000	0.0	0.0	0.0	0.0 d
1.9438	9.15016	87.58188	100.50000	0.0	0.0	0.0	0.0 d
2.4297	9.12470	87.09660	100.50000	0.0	0.0	0.0	0.0 d
2.9157	9.09924	86.61132	100.50000	0.0	0.0	0.0	0.0 d
3.4016	9.07378	86.12604	100.50000	0.0	0.0	0.0	0.0 d
3.8876	9.04832	85.64076	100.50000	0.0	0.0	0.0	0.0 d
4.3735	9.02286	85.15548	100.50000	0.0	0.0	0.0	0.0 d
4.8595	8.99740	84.67020	100.50000	0.0	0.0	0.0	0.0 d
5.3454	8.97194	84.18492	100.50000	0.0	0.0	0.0	0.0 d
5.8314	8.94648	83.69964	100.50000	0.0	0.0	0.0	0.0 d
6.3173	8.92102	83.21436	100.50000	0.0	0.0	0.0	0.0 d
6.8033	8.89556	82.72908	100.50000	0.0	0.0	0.0	0.0 d
7.2892	8.87010	82.24380	100.50000	0.0	0.0	0.0	0.0 d
7.7752	8.84464	81.75852	100.50000	0.0	0.0	0.0	0.0 d
8.2611	8.81918	81.27324	100.50000	0.0	0.0	0.0	0.0 d
8.7471	8.79372	80.78796	100.50000	0.0	0.0	0.0	0.0 d
9.2330	8.76826	80.30268	100.50000	0.0	0.0	0.0	0.0 d
9.7189	8.74280	79.81740	100.50000	0.0	0.0	0.0	0.0 d
10.205	8.71734	79.33212	100.50000	0.0	0.0	0.0	0.0 d
10.691	8.69188	78.84684	100.50000	0.0	0.0	0.0	0.0 d
11.177	8.66642	78.36156	100.50000	0.0	0.0	0.0	0.0 d
11.663	8.64096	77.87628	100.50000	0.0	0.0	0.0	0.0 d
12.149	8.61550	77.39100	100.50000	0.0	0.0	0.0	0.0 d
12.635	8.59004	76.90572	100.50000	0.0	0.0	0.0	0.0 d
13.121	8.56458	76.42044	100.50000	0.0	0.0	0.0	0.0 d
13.607	8.53912	75.93516	100.50000	0.0	0.0	0.0	0.0 d
14.092	8.51366	75.44988	100.50000	0.0	0.0	0.0	0.0 d
14.578	8.48820	74.96460	100.50000	0.0	0.0	0.0	0.0 d
15.064	8.46274	74.47932	100.50000	0.0	0.0	0.0	0.0 d
15.550	8.43728	73.99404	100.50000	0.0	0.0	0.0	0.0 d
16.036	8.41182	73.50876	100.50000	0.0	0.0	0.0	0.0 d
16.522	8.38636	73.02348	100.50000	0.0	0.0	0.0	0.0 d
17.008	8.36090	72.53820	100.50000	0.0	0.0	0.0	0.0 d
17.494	8.33544	72.05292	100.50000	0.0	0.0	0.0	0.0 d
17.980	8.30998	71.56764	100.50000	0.0	0.0	0.0	0.0 d
18.466	8.28452	71.08236	100.50000	0.0	0.0	0.0	0.0 d
18.952	8.25906	70.59708	100.50000	0.0	0.0	0.0	0.0 d
19.438	8.23360	70.11180	100.50000	0.0	0.0	0.0	0.0 d
19.924	8.20814	69.62652	100.50000	0.0	0.0	0.0	0.0 d
20.410	8.18268	69.14124	100.50000	0.0	0.0	0.0	0.0 d
20.896	8.15722	68.65596	100.50000	0.0	0.0	0.0	0.0 d
21.382	8.13176	68.17068	100.50000	0.0	0.0	0.0	0.0 d
21.868	8.10630	67.68540	100.50000	0.0	0.0	0.0	0.0 d
22.354	8.08084	67.20012	100.50000	0.0	0.0	0.0	0.0 d
22.840	8.05538	66.71484	100.50000	0.0	0.0	0.0	0.0 d
23.325	8.02992	66.22956	100.50000	0.0	0.0	0.0	0.0 d
23.811	8.00446	65.74428	100.50000	0.0	0.0	0.0	0.0 d
24.297	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

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	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d
0.48050	7.95067	64.77933	100.50000	0.0	0.0	0.0	0.0 d
0.96101	7.92233	64.29967	100.50000	0.0	0.0	0.0	0.0 d
1.4415	7.89400	63.82000	100.50000	0.0	0.0	0.0	0.0 d
1.9220	7.86567	63.34033	100.50000	0.0	0.0	0.0	0.0 d
2.4025	7.83733	62.86067	100.50000	0.0	0.0	0.0	0.0 d
2.8830	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

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	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d
0.47715	8.28487	62.34613	100.50000	0.0	0.0	0.0	0.0 d
0.95430	8.76075	62.31125	100.50000	0.0	0.0	0.0	0.0 d
1.4315	9.23663	62.27638	100.50000	0.0	0.0	0.0	0.0 d
1.9086	9.71250	62.24150	100.50000	0.0	0.0	0.0	0.0 d
2.3858	10.18838	62.20662	100.50000	0.0	0.0	0.0	0.0 d
2.8629	10.66425	62.17175	100.50000	0.0	0.0	0.0	0.0 d
3.3401	11.14012	62.13687	100.50000	0.0	0.0	0.0	0.0 d
3.8172	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

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	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d
0.47359	11.65050	62.57433	100.50000	0.0	0.0	0.0	0.0 d
0.94718	11.68500	63.04667	100.50000	0.0	0.0	0.0	0.0 d
1.4208	11.71950	63.51900	100.50000	0.0	0.0	0.0	0.0 d
1.8944	11.75400	63.99133	100.50000	0.0	0.0	0.0	0.0 d
2.3680	11.78850	64.46367	100.50000	0.0	0.0	0.0	0.0 d
2.8415	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

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	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d
0.48843	12.31013	64.90031	100.50000	0.0	0.0	0.0	0.0 d
0.97686	12.79725	64.86463	100.50000	0.0	0.0	0.0	0.0 d
1.4653	13.28438	64.82894	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
1.9537	13.77150	64.79325	100.50000	0.0	0.0	0.0	0.0 d
2.4422	14.25863	64.75756	100.50000	0.0	0.0	0.0	0.0 d
2.9306	14.74575	64.72187	100.50000	0.0	0.0	0.0	0.0 d
3.4190	15.23288	64.68619	100.50000	0.0	0.0	0.0	0.0 d
3.9074	15.72000	64.65050	100.50000	0.0	0.0	0.0	0.0 d
4.3959	16.20713	64.61481	100.50000	0.0	0.0	0.0	0.0 d
4.8843	16.69425	64.57913	100.50000	0.0	0.0	0.0	0.0 d
5.3727	17.18138	64.54344	100.50000	0.0	0.0	0.0	0.0 d
5.8612	17.66850	64.50775	100.50000	0.0	0.0	0.0	0.0 d
6.3496	18.15563	64.47206	100.50000	0.0	0.0	0.0	0.0 d
6.8380	18.64275	64.43637	100.50000	0.0	0.0	0.0	0.0 d
7.3265	19.12988	64.40069	100.50000	0.0	0.0	0.0	0.0 d
7.8149	19.61700	64.36500	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

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	19.61700	64.36500	100.50000	0.0	0.0	0.0	0.0 d
0.49248	19.58100	63.87383	100.50000	0.0	0.0	0.0	0.0 d
0.98497	19.54500	63.38267	100.50000	0.0	0.0	0.0	0.0 d
1.4775	19.50900	62.89150	100.50000	0.0	0.0	0.0	0.0 d
1.9699	19.47300	62.40033	100.50000	0.0	0.0	0.0	0.0 d
2.4624	19.43700	61.90917	100.50000	0.0	0.0	0.0	0.0 d
2.9549	19.40100	61.41800	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

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	19.40100	61.41800	100.50000	0.0	0.0	0.0	0.0 d
0.46449	19.86425	61.38412	100.50000	0.0	0.0	0.0	0.0 d
0.92897	20.32750	61.35025	100.50000	0.0	0.0	0.0	0.0 d
1.3935	20.79075	61.31638	100.50000	0.0	0.0	0.0	0.0 d
1.8579	21.25400	61.28250	100.50000	0.0	0.0	0.0	0.0 d
2.3224	21.71725	61.24862	100.50000	0.0	0.0	0.0	0.0 d
2.7869	22.18050	61.21475	100.50000	0.0	0.0	0.0	0.0 d
3.2514	22.64375	61.18088	100.50000	0.0	0.0	0.0	0.0 d
3.7159	23.10700	61.14700	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

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	23.10700	61.14700	100.50000	0.0	0.0	0.0	0.0 d
0.49250	23.13267	61.63883	100.50000	0.0	0.0	0.0	0.0 d
0.98501	23.15833	62.13067	100.50000	0.0	0.0	0.0	0.0 d
1.4775	23.18400	62.62250	100.50000	0.0	0.0	0.0	0.0 d
1.9700	23.20967	63.11433	100.50000	0.0	0.0	0.0	0.0 d
2.4625	23.23533	63.60617	100.50000	0.0	0.0	0.0	0.0 d
2.9550	23.26100	64.09800	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

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	23.26100	64.09800	100.50000	0.0	0.0	0.0	0.0 d
0.49313	23.28670	64.59046	100.50000	0.0	0.0	0.0	0.0 d
0.98626	23.31240	65.08292	100.50000	0.0	0.0	0.0	0.0 d
1.4794	23.33810	65.57538	100.50000	0.0	0.0	0.0	0.0 d
1.9725	23.36380	66.06784	100.50000	0.0	0.0	0.0	0.0 d
2.4657	23.38950	66.56030	100.50000	0.0	0.0	0.0	0.0 d
2.9588	23.41520	67.05276	100.50000	0.0	0.0	0.0	0.0 d
3.4519	23.44090	67.54522	100.50000	0.0	0.0	0.0	0.0 d
3.9450	23.46660	68.03768	100.50000	0.0	0.0	0.0	0.0 d
4.4382	23.49230	68.53014	100.50000	0.0	0.0	0.0	0.0 d
4.9313	23.51800	69.02260	100.50000	0.0	0.0	0.0	0.0 d
5.4244	23.54370	69.51506	100.50000	0.0	0.0	0.0	0.0 d
5.9176	23.56940	70.00752	100.50000	0.0	0.0	0.0	0.0 d
6.4107	23.59510	70.49998	100.50000	0.0	0.0	0.0	0.0 d
6.9038	23.62080	70.99244	100.50000	0.0	0.0	0.0	0.0 d
7.3970	23.64650	71.48490	100.50000	0.0	0.0	0.0	0.0 d
7.8901	23.67220	71.97736	100.50000	0.0	0.0	0.0	0.0 d
8.3832	23.69790	72.46982	100.50000	0.0	0.0	0.0	0.0 d
8.8763	23.72360	72.96228	100.50000	0.0	0.0	0.0	0.0 d
9.3695	23.74930	73.45474	100.50000	0.0	0.0	0.0	0.0 d
9.8626	23.77500	73.94720	100.50000	0.0	0.0	0.0	0.0 d
10.356	23.80070	74.43966	100.50000	0.0	0.0	0.0	0.0 d
10.849	23.82640	74.93212	100.50000	0.0	0.0	0.0	0.0 d
11.342	23.85210	75.42458	100.50000	0.0	0.0	0.0	0.0 d
11.835	23.87780	75.91704	100.50000	0.0	0.0	0.0	0.0 d
12.328	23.90350	76.40950	100.50000	0.0	0.0	0.0	0.0 d
12.821	23.92920	76.90196	100.50000	0.0	0.0	0.0	0.0 d
13.315	23.95490	77.39442	100.50000	0.0	0.0	0.0	0.0 d
13.808	23.98060	77.88688	100.50000	0.0	0.0	0.0	0.0 d
14.301	24.00630	78.37934	100.50000	0.0	0.0	0.0	0.0 d
14.794	24.03200	78.87180	100.50000	0.0	0.0	0.0	0.0 d
15.287	24.05770	79.36426	100.50000	0.0	0.0	0.0	0.0 d
15.780	24.08340	79.85672	100.50000	0.0	0.0	0.0	0.0 d
16.273	24.10910	80.34918	100.50000	0.0	0.0	0.0	0.0 d
16.766	24.13480	80.84164	100.50000	0.0	0.0	0.0	0.0 d
17.260	24.16050	81.33410	100.50000	0.0	0.0	0.0	0.0 d
17.753	24.18620	81.82656	100.50000	0.0	0.0	0.0	0.0 d
18.246	24.21190	82.31902	100.50000	0.0	0.0	0.0	0.0 d
18.739	24.23760	82.81148	100.50000	0.0	0.0	0.0	0.0 d
19.232	24.26330	83.30394	100.50000	0.0	0.0	0.0	0.0 d
19.725	24.28900	83.79640	100.50000	0.0	0.0	0.0	0.0 d
20.218	24.31470	84.28886	100.50000	0.0	0.0	0.0	0.0 d
20.711	24.34040	84.78132	100.50000	0.0	0.0	0.0	0.0 d
21.205	24.36610	85.27378	100.50000	0.0	0.0	0.0	0.0 d
21.698	24.39180	85.76624	100.50000	0.0	0.0	0.0	0.0 d
22.191	24.41750	86.25870	100.50000	0.0	0.0	0.0	0.0 d
22.684	24.44320	86.75116	100.50000	0.0	0.0	0.0	0.0 d
23.177	24.46890	87.24362	100.50000	0.0	0.0	0.0	0.0 d
23.670	24.49460	87.73608	100.50000	0.0	0.0	0.0	0.0 d
24.163	24.52030	88.22854	100.50000	0.0	0.0	0.0	0.0 d
24.657	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement	Horizontal displacement

						along the Line	perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0	d
0.47859	24.06806	88.74606	100.50000	0.0	0.0	0.0	0.0	d
0.95719	23.59013	88.77112	100.50000	0.0	0.0	0.0	0.0	d
1.4358	23.11219	88.79619	100.50000	0.0	0.0	0.0	0.0	d
1.9144	22.63425	88.82125	100.50000	0.0	0.0	0.0	0.0	d
2.3930	22.15631	88.84631	100.50000	0.0	0.0	0.0	0.0	d
2.8716	21.67837	88.87138	100.50000	0.0	0.0	0.0	0.0	d
3.3502	21.20044	88.89644	100.50000	0.0	0.0	0.0	0.0	d
3.8288	20.72250	88.92150	100.50000	0.0	0.0	0.0	0.0	d
4.3073	20.24456	88.94656	100.50000	0.0	0.0	0.0	0.0	d
4.7859	19.76662	88.97163	100.50000	0.0	0.0	0.0	0.0	d
5.2645	19.28869	88.99669	100.50000	0.0	0.0	0.0	0.0	d
5.7431	18.81075	89.02175	100.50000	0.0	0.0	0.0	0.0	d
6.2217	18.33281	89.04681	100.50000	0.0	0.0	0.0	0.0	d
6.7003	17.85488	89.07188	100.50000	0.0	0.0	0.0	0.0	d
7.1789	17.37694	89.09694	100.50000	0.0	0.0	0.0	0.0	d
7.6575	16.89900	89.12200	100.50000	0.0	0.0	0.0	0.0	d
8.1361	16.42106	89.14706	100.50000	0.0	0.0	0.0	0.0	d
8.6147	15.94313	89.17212	100.50000	0.0	0.0	0.0	0.0	d
9.0933	15.46519	89.19719	100.50000	0.0	0.0	0.0	0.0	d
9.5719	14.98725	89.22225	100.50000	0.0	0.0	0.0	0.0	d
10.050	14.50931	89.24731	100.50000	0.0	0.0	0.0	0.0	d
10.529	14.03138	89.27237	100.50000	0.0	0.0	0.0	0.0	d
11.008	13.55344	89.29744	100.50000	0.0	0.0	0.0	0.0	d
11.486	13.07550	89.32250	100.50000	0.0	0.0	0.0	0.0	d
11.965	12.59756	89.34756	100.50000	0.0	0.0	0.0	0.0	d
12.443	12.11963	89.37262	100.50000	0.0	0.0	0.0	0.0	d
12.922	11.64169	89.39769	100.50000	0.0	0.0	0.0	0.0	d
13.401	11.16375	89.42275	100.50000	0.0	0.0	0.0	0.0	d
13.879	10.68581	89.44781	100.50000	0.0	0.0	0.0	0.0	d
14.358	10.20788	89.47288	100.50000	0.0	0.0	0.0	0.0	d
14.836	9.72994	89.49794	100.50000	0.0	0.0	0.0	0.0	d
15.315	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

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	28.56700	64.11000	100.50000	0.0	0.0	0.0	0.0	d
0.49454	29.06094	64.13431	100.50000	0.0	0.0	0.0	0.0	d
0.98907	29.55487	64.15863	100.50000	0.0	0.0	0.0	0.0	d
1.4836	30.04881	64.18294	100.50000	0.0	0.0	0.0	0.0	d
1.9781	30.54275	64.20725	100.50000	0.0	0.0	0.0	0.0	d
2.4727	31.03669	64.23156	100.50000	0.0	0.0	0.0	0.0	d
2.9672	31.53063	64.25588	100.50000	0.0	0.0	0.0	0.0	d
3.4617	32.02456	64.28019	100.50000	0.0	0.0	0.0	0.0	d
3.9563	32.51850	64.30450	100.50000	0.0	0.0	0.0	0.0	d
4.4508	33.01244	64.32881	100.50000	0.0	0.0	0.0	0.0	d
4.9454	33.50637	64.35312	100.50000	0.0	0.0	0.0	0.0	d
5.4399	34.00031	64.37744	100.50000	0.0	0.0	0.0	0.0	d
5.9344	34.49425	64.40175	100.50000	0.0	0.0	0.0	0.0	d
6.4290	34.98819	64.42606	100.50000	0.0	0.0	0.0	0.0	d
6.9235	35.48212	64.45037	100.50000	0.0	0.0	0.0	0.0	d
7.4180	35.97606	64.47469	100.50000	0.0	0.0	0.0	0.0	d
7.9126	36.47000	64.49900	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

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	36.47000	64.49900	100.50000	0.0	0.0	0.0	0.0	d
0.49291	36.44014	64.99100	100.50000	0.0	0.0	0.0	0.0	d
0.98581	36.41029	65.48300	100.50000	0.0	0.0	0.0	0.0	d
1.4787	36.38043	65.97500	100.50000	0.0	0.0	0.0	0.0	d
1.9716	36.35057	66.46700	100.50000	0.0	0.0	0.0	0.0	d
2.4645	36.32071	66.95900	100.50000	0.0	0.0	0.0	0.0	d
2.9574	36.29086	67.45100	100.50000	0.0	0.0	0.0	0.0	d
3.4503	36.26100	67.94300	100.50000	0.0	0.0	0.0	0.0	d
3.9432	36.23114	68.43500	100.50000	0.0	0.0	0.0	0.0	d
4.4361	36.20129	68.92700	100.50000	0.0	0.0	0.0	0.0	d
4.9291	36.17143	69.41900	100.50000	0.0	0.0	0.0	0.0	d
5.4220	36.14157	69.91100	100.50000	0.0	0.0	0.0	0.0	d
5.9149	36.11171	70.40300	100.50000	0.0	0.0	0.0	0.0	d
6.4078	36.08186	70.89500	100.50000	0.0	0.0	0.0	0.0	d
6.9007	36.05200	71.38700	100.50000	0.0	0.0	0.0	0.0	d
7.3936	36.02214	71.87900	100.50000	0.0	0.0	0.0	0.0	d
7.8865	35.99229	72.37100	100.50000	0.0	0.0	0.0	0.0	d
8.3794	35.96243	72.86300	100.50000	0.0	0.0	0.0	0.0	d
8.8723	35.93257	73.35500	100.50000	0.0	0.0	0.0	0.0	d
9.3652	35.90271	73.84700	100.50000	0.0	0.0	0.0	0.0	d
9.8581	35.87286	74.33900	100.50000	0.0	0.0	0.0	0.0	d
10.351	35.84300	74.83100	100.50000	0.0	0.0	0.0	0.0	d
10.844	35.81314	75.32300	100.50000	0.0	0.0	0.0	0.0	d
11.337	35.78329	75.81500	100.50000	0.0	0.0	0.0	0.0	d
11.830	35.75343	76.30700	100.50000	0.0	0.0	0.0	0.0	d
12.323	35.72357	76.79900	100.50000	0.0	0.0	0.0	0.0	d
12.816	35.69371	77.29100	100.50000	0.0	0.0	0.0	0.0	d
13.308	35.66386	77.78300	100.50000	0.0	0.0	0.0	0.0	d
13.801	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

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	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0	d
0.47806	35.15681	78.24606	100.50000	0.0	0.0	0.0	0.0	d
0.95613	34.67963	78.21713	100.50000	0.0	0.0	0.0	0.0	d
1.4342	34.20244	78.18819	100.50000	0.0	0.0	0.0	0.0	d
1.9123	33.72525	78.15925	100.50000	0.0	0.0	0.0	0.0	d
2.3903	33.24806	78.13031	100.50000	0.0	0.0	0.0	0.0	d
2.8684	32.77087	78.10138	100.50000	0.0	0.0	0.0	0.0	d
3.3464	32.29369	78.07244	100.50000	0.0	0.0	0.0	0.0	d
3.8245	31.81650	78.04350	100.50000	0.0	0.0	0.0	0.0	d
4.3026	31.33931	78.01456	100.50000	0.0	0.0	0.0	0.0	d
4.7806	30.86212	77.98562	100.50000	0.0	0.0	0.0	0.0	d
5.2587	30.38494	77.95669	100.50000	0.0	0.0	0.0	0.0	d
5.7368	29.90775	77.92775	100.50000	0.0	0.0	0.0	0.0	d
6.2148	29.43056	77.89881	100.50000	0.0	0.0	0.0	0.0	d
6.6929	28.95338	77.86987	100.50000	0.0	0.0	0.0	0.0	d
7.1710	28.47619	77.84094	100.50000	0.0	0.0	0.0	0.0	d
7.6490	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

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	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0	d
0.48978	28.01929	77.32264	100.50000	0.0	0.0	0.0	0.0	d
0.97955	28.03957	76.83329	100.50000	0.0	0.0	0.0	0.0	d
1.4693	28.05986	76.34393	100.50000	0.0	0.0	0.0	0.0	d
1.9591	28.08014	75.85457	100.50000	0.0	0.0	0.0	0.0	d
2.4489	28.10043	75.36521	100.50000	0.0	0.0	0.0	0.0	d
2.9387	28.12071	74.87586	100.50000	0.0	0.0	0.0	0.0	d
3.4284	28.14100	74.38650	100.50000	0.0	0.0	0.0	0.0	d
3.9182	28.16129	73.89714	100.50000	0.0	0.0	0.0	0.0	d
4.4080	28.18157	73.40779	100.50000	0.0	0.0	0.0	0.0	d
4.8978	28.20186	72.91843	100.50000	0.0	0.0	0.0	0.0	d
5.3876	28.22214	72.42907	100.50000	0.0	0.0	0.0	0.0	d
5.8773	28.24243	71.93971	100.50000	0.0	0.0	0.0	0.0	d
6.3671	28.26271	71.45036	100.50000	0.0	0.0	0.0	0.0	d
6.8569	28.28300	70.96100	100.50000	0.0	0.0	0.0	0.0	d
7.3467	28.30329	70.47164	100.50000	0.0	0.0	0.0	0.0	d
7.8364	28.32357	69.98229	100.50000	0.0	0.0	0.0	0.0	d
8.3262	28.34386	69.49293	100.50000	0.0	0.0	0.0	0.0	d
8.8160	28.36414	69.00357	100.50000	0.0	0.0	0.0	0.0	d
9.3058	28.38443	68.51421	100.50000	0.0	0.0	0.0	0.0	d
9.7955	28.40471	68.02486	100.50000	0.0	0.0	0.0	0.0	d
10.285	28.42500	67.53550	100.50000	0.0	0.0	0.0	0.0	d
10.775	28.44529	67.04614	100.50000	0.0	0.0	0.0	0.0	d
11.265	28.46557	66.55679	100.50000	0.0	0.0	0.0	0.0	d
11.755	28.48586	66.06743	100.50000	0.0	0.0	0.0	0.0	d
12.244	28.50614	65.57807	100.50000	0.0	0.0	0.0	0.0	d
12.734	28.52643	65.08871	100.50000	0.0	0.0	0.0	0.0	d
13.224	28.54671	64.59936	100.50000	0.0	0.0	0.0	0.0	d
13.714	28.56700	64.11000	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

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	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0	d
0.48563	44.63204	86.74924	100.50000	0.0	0.0	0.0	0.0	d
0.97126	44.66109	86.26448	100.50000	0.0	0.0	0.0	0.0	d
1.4569	44.69013	85.77972	100.50000	0.0	0.0	0.0	0.0	d
1.9425	44.71917	85.29496	100.50000	0.0	0.0	0.0	0.0	d
2.4282	44.74822	84.81020	100.50000	0.0	0.0	0.0	0.0	d
2.9138	44.77726	84.32543	100.50000	0.0	0.0	0.0	0.0	d
3.3994	44.80630	83.84067	100.50000	0.0	0.0	0.0	0.0	d
3.8850	44.83535	83.35591	100.50000	0.0	0.0	0.0	0.0	d
4.3707	44.86439	82.87115	100.50000	0.0	0.0	0.0	0.0	d
4.8563	44.89343	82.38639	100.50000	0.0	0.0	0.0	0.0	d
5.3419	44.92248	81.90163	100.50000	0.0	0.0	0.0	0.0	d
5.8276	44.95152	81.41687	100.50000	0.0	0.0	0.0	0.0	d
6.3132	44.98057	80.93211	100.50000	0.0	0.0	0.0	0.0	d
6.7988	45.00961	80.44735	100.50000	0.0	0.0	0.0	0.0	d
7.2845	45.03865	79.96259	100.50000	0.0	0.0	0.0	0.0	d
7.7701	45.06770	79.47783	100.50000	0.0	0.0	0.0	0.0	d
8.2557	45.09674	78.99307	100.50000	0.0	0.0	0.0	0.0	d
8.7413	45.12578	78.50830	100.50000	0.0	0.0	0.0	0.0	d
9.2270	45.15483	78.02354	100.50000	0.0	0.0	0.0	0.0	d
9.7126	45.18387	77.53878	100.50000	0.0	0.0	0.0	0.0	d
10.198	45.21291	77.05402	100.50000	0.0	0.0	0.0	0.0	d
10.684	45.24196	76.56926	100.50000	0.0	0.0	0.0	0.0	d
11.169	45.27100	76.08450	100.50000	0.0	0.0	0.0	0.0	d
11.655	45.30004	75.59974	100.50000	0.0	0.0	0.0	0.0	d
12.141	45.32909	75.11498	100.50000	0.0	0.0	0.0	0.0	d
12.626	45.35813	74.63022	100.50000	0.0	0.0	0.0	0.0	d
13.112	45.38717	74.14546	100.50000	0.0	0.0	0.0	0.0	d
13.598	45.41622	73.66070	100.50000	0.0	0.0	0.0	0.0	d
14.083	45.44526	73.17593	100.50000	0.0	0.0	0.0	0.0	d
14.569	45.47430	72.69117	100.50000	0.0	0.0	0.0	0.0	d
15.055	45.50335	72.20641	100.50000	0.0	0.0	0.0	0.0	d
15.540	45.53239	71.72165	100.50000	0.0	0.0	0.0	0.0	d
16.026	45.56143	71.23689	100.50000	0.0	0.0	0.0	0.0	d
16.511	45.59048	70.75213	100.50000	0.0	0.0	0.0	0.0	d
16.997	45.61952	70.26737	100.50000	0.0	0.0	0.0	0.0	d
17.483	45.64857	69.78261	100.50000	0.0	0.0	0.0	0.0	d
17.968	45.67761	69.29785	100.50000	0.0	0.0	0.0	0.0	d
18.454	45.70665	68.81309	100.50000	0.0	0.0	0.0	0.0	d
18.940	45.73570	68.32833	100.50000	0.0	0.0	0.0	0.0	d
19.425	45.76474	67.84357	100.50000	0.0	0.0	0.0	0.0	d
19.911	45.79378	67.35880	100.50000	0.0	0.0	0.0	0.0	d
20.396	45.82283	66.87404	100.50000	0.0	0.0	0.0	0.0	d
20.882	45.85187	66.38928	100.50000	0.0	0.0	0.0	0.0	d
21.368	45.88091	65.90452	100.50000	0.0	0.0	0.0	0.0	d
21.853	45.90996	65.41976	100.50000	0.0	0.0	0.0	0.0	d
22.339	45.93900	64.93500	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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	45.93900	64.93500	100.50000	0.0	0.0	0.0	0.0	d
0.49257	46.43032	64.97005	100.50000	0.0	0.0	0.0	0.0	d
0.98513	46.92163	65.00510	100.50000	0.0	0.0	0.0	0.0	d
1.4777	47.41295	65.04014	100.50000	0.0	0.0	0.0	0.0	d
1.9703	47.90427	65.07519	100.50000	0.0	0.0	0.0	0.0	d
2.4628	48.39559	65.11024	100.50000	0.0	0.0	0.0	0.0	d
2.9554	48.88690	65.14529	100.50000	0.0	0.0	0.0	0.0	d
3.4480	49.37822	65.18034	100.50000	0.0	0.0	0.0	0.0	d
3.9405	49.86954	65.21538	100.50000	0.0	0.0	0.0	0.0	d
4.4331	50.36086	65.25043	100.50000	0.0	0.0	0.0	0.0	d
4.9257	50.85217	65.28548	100.50000	0.0	0.0	0.0	0.0	d
5.4182	51.34349	65.32053	100.50000	0.0	0.0	0.0	0.0	d
5.9108	51.83481	65.35558	100.50000	0.0	0.0	0.0	0.0	d
6.4034	52.32612	65.39063	100.50000	0.0	0.0	0.0	0.0	d
6.8959	52.81744	65.42567	100.50000	0.0	0.0	0.0	0.0	d
7.3885	53.30876	65.46072	100.50000	0.0	0.0	0.0	0.0	d
7.8811	53.80008	65.49577	100.50000	0.0	0.0	0.0	0.0	d
8.3736	54.29139	65.53082	100.50000	0.0	0.0	0.0	0.0	d
8.8662	54.78271	65.56587	100.50000	0.0	0.0	0.0	0.0	d
9.3588	55.27403	65.60091	100.50000	0.0	0.0	0.0	0.0	d
9.8513	55.76535	65.63596	100.50000	0.0	0.0	0.0	0.0	d
10.344	56.25666	65.67101	100.50000	0.0	0.0	0.0	0.0	d
10.836	56.74798	65.70606	100.50000	0.0	0.0	0.0	0.0	d
11.329	57.23930	65.74111	100.50000	0.0	0.0	0.0	0.0	d
11.822	57.73062	65.77615	100.50000	0.0	0.0	0.0	0.0	d
12.314	58.22193	65.81120	100.50000	0.0	0.0	0.0	0.0	d
12.807	58.71325	65.84625	100.50000	0.0	0.0	0.0	0.0	d
13.299	59.20457	65.88130	100.50000	0.0	0.0	0.0	0.0	d
13.792	59.69588	65.91635	100.50000	0.0	0.0	0.0	0.0	d
14.284	60.18720	65.95139	100.50000	0.0	0.0	0.0	0.0	d
14.777	60.67852	65.98644	100.50000	0.0	0.0	0.0	0.0	d
15.270	61.16984	66.02149	100.50000	0.0	0.0	0.0	0.0	d
15.762	61.66115	66.05654	100.50000	0.0	0.0	0.0	0.0	d
16.255	62.15247	66.09159	100.50000	0.0	0.0	0.0	0.0	d
16.747	62.64379	66.12663	100.50000	0.0	0.0	0.0	0.0	d
17.240	63.13511	66.16168	100.50000	0.0	0.0	0.0	0.0	d
17.732	63.62642	66.19673	100.50000	0.0	0.0	0.0	0.0	d
18.225	64.11774	66.23178	100.50000	0.0	0.0	0.0	0.0	d

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]
18.718	64.60906	66.26683	100.50000	0.0	0.0	0.0	0.0 d
19.210	65.10038	66.30187	100.50000	0.0	0.0	0.0	0.0 d
19.703	65.59169	66.33692	100.50000	0.0	0.0	0.0	0.0 d
20.195	66.08301	66.37197	100.50000	0.0	0.0	0.0	0.0 d
20.688	66.57433	66.40702	100.50000	0.0	0.0	0.0	0.0 d
21.180	67.06564	66.44207	100.50000	0.0	0.0	0.0	0.0 d
21.673	67.55696	66.47712	100.50000	0.0	0.0	0.0	0.0 d
22.165	68.04828	66.51216	100.50000	0.0	0.0	0.0	0.0 d
22.658	68.53960	66.54721	100.50000	0.0	0.0	0.0	0.0 d
23.151	69.03091	66.58226	100.50000	0.0	0.0	0.0	0.0 d
23.643	69.52223	66.61731	100.50000	0.0	0.0	0.0	0.0 d
24.136	70.01355	66.65236	100.50000	0.0	0.0	0.0	0.0 d
24.628	70.50487	66.68740	100.50000	0.0	0.0	0.0	0.0 d
25.121	70.99618	66.72245	100.50000	0.0	0.0	0.0	0.0 d
25.613	71.48750	66.75750	100.50000	0.0	0.0	0.0	0.0 d
26.106	71.97882	66.79255	100.50000	0.0	0.0	0.0	0.0 d
26.599	72.47013	66.82760	100.50000	0.0	0.0	0.0	0.0 d
27.091	72.96145	66.86264	100.50000	0.0	0.0	0.0	0.0 d
27.584	73.45277	66.89769	100.50000	0.0	0.0	0.0	0.0 d
28.076	73.94409	66.93274	100.50000	0.0	0.0	0.0	0.0 d
28.569	74.43540	66.96779	100.50000	0.0	0.0	0.0	0.0 d
29.061	74.92672	67.00284	100.50000	0.0	0.0	0.0	0.0 d
29.554	75.41804	67.03788	100.50000	0.0	0.0	0.0	0.0 d
30.047	75.90936	67.07293	100.50000	0.0	0.0	0.0	0.0 d
30.539	76.40067	67.10798	100.50000	0.0	0.0	0.0	0.0 d
31.032	76.89199	67.14303	100.50000	0.0	0.0	0.0	0.0 d
31.524	77.38331	67.17808	100.50000	0.0	0.0	0.0	0.0 d
32.017	77.87463	67.21313	100.50000	0.0	0.0	0.0	0.0 d
32.509	78.36594	67.24817	100.50000	0.0	0.0	0.0	0.0 d
33.002	78.85726	67.28322	100.50000	0.0	0.0	0.0	0.0 d
33.494	79.34858	67.31827	100.50000	0.0	0.0	0.0	0.0 d
33.987	79.83989	67.35332	100.50000	0.0	0.0	0.0	0.0 d
34.480	80.33121	67.38837	100.50000	0.0	0.0	0.0	0.0 d
34.972	80.82253	67.42341	100.50000	0.0	0.0	0.0	0.0 d
35.465	81.31385	67.45846	100.50000	0.0	0.0	0.0	0.0 d
35.957	81.80516	67.49351	100.50000	0.0	0.0	0.0	0.0 d
36.450	82.29648	67.52856	100.50000	0.0	0.0	0.0	0.0 d
36.942	82.78780	67.56361	100.50000	0.0	0.0	0.0	0.0 d
37.435	83.27912	67.59865	100.50000	0.0	0.0	0.0	0.0 d
37.928	83.77043	67.63370	100.50000	0.0	0.0	0.0	0.0 d
38.420	84.26175	67.66875	100.50000	0.0	0.0	0.0	0.0 d
38.913	84.75307	67.70380	100.50000	0.0	0.0	0.0	0.0 d
39.405	85.24438	67.73885	100.50000	0.0	0.0	0.0	0.0 d
39.898	85.73570	67.77389	100.50000	0.0	0.0	0.0	0.0 d
40.390	86.22702	67.80894	100.50000	0.0	0.0	0.0	0.0 d
40.883	86.71834	67.84399	100.50000	0.0	0.0	0.0	0.0 d
41.376	87.20965	67.87904	100.50000	0.0	0.0	0.0	0.0 d
41.868	87.70097	67.91409	100.50000	0.0	0.0	0.0	0.0 d
42.361	88.19229	67.94913	100.50000	0.0	0.0	0.0	0.0 d
42.853	88.68361	67.98418	100.50000	0.0	0.0	0.0	0.0 d
43.346	89.17492	68.01923	100.50000	0.0	0.0	0.0	0.0 d
43.838	89.66624	68.05428	100.50000	0.0	0.0	0.0	0.0 d
44.331	90.15756	68.08933	100.50000	0.0	0.0	0.0	0.0 d
44.823	90.64888	68.12438	100.50000	0.0	0.0	0.0	0.0 d
45.316	91.14019	68.15942	100.50000	0.0	0.0	0.0	0.0 d
45.809	91.63151	68.19447	100.50000	0.0	0.0	0.0	0.0 d
46.301	92.12283	68.22952	100.50000	0.0	0.0	0.0	0.0 d
46.794	92.61414	68.26457	100.50000	0.0	0.0	0.0	0.0 d
47.286	93.10546	68.29962	100.50000	0.0	0.0	0.0	0.0 d
47.779	93.59678	68.33466	100.50000	0.0	0.0	0.0	0.0 d
48.271	94.08810	68.36971	100.50000	0.0	0.0	0.0	0.0 d
48.764	94.57941	68.40476	100.50000	0.0	0.0	0.0	0.0 d
49.257	95.07073	68.43981	100.50000	0.0	0.0	0.0	0.0 d
49.749	95.56205	68.47486	100.50000	0.0	0.0	0.0	0.0 d
50.242	96.05337	68.50990	100.50000	0.0	0.0	0.0	0.0 d
50.734	96.54468	68.54495	100.50000	0.0	0.0	0.0	0.0 d
51.227	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

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]
0.0	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d
0.48909	96.99859	69.06765	100.50000	0.0	0.0	0.0	0.0 d
0.97817	96.96117	69.55530	100.50000	0.0	0.0	0.0	0.0 d
1.4673	96.92376	70.04296	100.50000	0.0	0.0	0.0	0.0 d
1.9563	96.88635	70.53061	100.50000	0.0	0.0	0.0	0.0 d
2.4454	96.84893	71.01826	100.50000	0.0	0.0	0.0	0.0 d
2.9345	96.81152	71.50591	100.50000	0.0	0.0	0.0	0.0 d
3.4236	96.77411	71.99357	100.50000	0.0	0.0	0.0	0.0 d
3.9127	96.73670	72.48122	100.50000	0.0	0.0	0.0	0.0 d
4.4018	96.69928	72.96887	100.50000	0.0	0.0	0.0	0.0 d
4.8909	96.66187	73.45652	100.50000	0.0	0.0	0.0	0.0 d
5.3799	96.62446	73.94417	100.50000	0.0	0.0	0.0	0.0 d
5.8690	96.58704	74.43183	100.50000	0.0	0.0	0.0	0.0 d
6.3581	96.54963	74.91948	100.50000	0.0	0.0	0.0	0.0 d
6.8472	96.51222	75.40713	100.50000	0.0	0.0	0.0	0.0 d
7.3363	96.47480	75.89478	100.50000	0.0	0.0	0.0	0.0 d
7.8254	96.43739	76.38243	100.50000	0.0	0.0	0.0	0.0 d
8.3144	96.39998	76.87009	100.50000	0.0	0.0	0.0	0.0 d
8.8035	96.36257	77.35774	100.50000	0.0	0.0	0.0	0.0 d
9.2926	96.32515	77.84539	100.50000	0.0	0.0	0.0	0.0 d
9.7817	96.28774	78.33304	100.50000	0.0	0.0	0.0	0.0 d
10.271	96.25033	78.82070	100.50000	0.0	0.0	0.0	0.0 d
10.760	96.21291	79.30835	100.50000	0.0	0.0	0.0	0.0 d
11.249	96.17550	79.79600	100.50000	0.0	0.0	0.0	0.0 d
11.738	96.13809	80.28365	100.50000	0.0	0.0	0.0	0.0 d
12.227	96.10067	80.77130	100.50000	0.0	0.0	0.0	0.0 d
12.716	96.06326	81.25896	100.50000	0.0	0.0	0.0	0.0 d
13.205	96.02585	81.74661	100.50000	0.0	0.0	0.0	0.0 d
13.694	95.98843	82.23426	100.50000	0.0	0.0	0.0	0.0 d
14.183	95.95102	82.72191	100.50000	0.0	0.0	0.0	0.0 d
14.673	95.91361	83.20957	100.50000	0.0	0.0	0.0	0.0 d
15.162	95.87620	83.69722	100.50000	0.0	0.0	0.0	0.0 d
15.651	95.83878	84.18487	100.50000	0.0	0.0	0.0	0.0 d
16.140	95.80137	84.67252	100.50000	0.0	0.0	0.0	0.0 d
16.629	95.76396	85.16017	100.50000	0.0	0.0	0.0	0.0 d
17.118	95.72654	85.64783	100.50000	0.0	0.0	0.0	0.0 d
17.607	95.68913	86.13548	100.50000	0.0	0.0	0.0	0.0 d
18.096	95.65172	86.62313	100.50000	0.0	0.0	0.0	0.0 d
18.585	95.61430	87.11078	100.50000	0.0	0.0	0.0	0.0 d
19.074	95.57689	87.59843	100.50000	0.0	0.0	0.0	0.0 d
19.563	95.53948	88.08609	100.50000	0.0	0.0	0.0	0.0 d
20.052	95.50207	88.57374	100.50000	0.0	0.0	0.0	0.0 d
20.542	95.46465	89.06139	100.50000	0.0	0.0	0.0	0.0 d
21.031	95.42724	89.54904	100.50000	0.0	0.0	0.0	0.0 d
21.520	95.38983	90.03670	100.50000	0.0	0.0	0.0	0.0 d
22.009	95.35241	90.52435	100.50000	0.0	0.0	0.0	0.0 d
22.498	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

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]
0.0	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d
0.47118	94.84520	90.97595	100.50000	0.0	0.0	0.0	0.0 d
0.94236	94.37540	90.93990	100.50000	0.0	0.0	0.0	0.0 d
1.4135	93.90560	90.90385	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
1.8847	93.43580	90.86780	100.50000	0.0	0.0	0.0	0.0 d
2.3559	92.96600	90.83175	100.50000	0.0	0.0	0.0	0.0 d
2.8271	92.49620	90.79570	100.50000	0.0	0.0	0.0	0.0 d
3.2983	92.02640	90.75965	100.50000	0.0	0.0	0.0	0.0 d
3.7694	91.55660	90.72360	100.50000	0.0	0.0	0.0	0.0 d
4.2406	91.08680	90.68755	100.50000	0.0	0.0	0.0	0.0 d
4.7118	90.61700	90.65150	100.50000	0.0	0.0	0.0	0.0 d
5.1830	90.14720	90.61545	100.50000	0.0	0.0	0.0	0.0 d
5.6542	89.67740	90.57940	100.50000	0.0	0.0	0.0	0.0 d
6.1254	89.20760	90.54335	100.50000	0.0	0.0	0.0	0.0 d
6.5965	88.73780	90.50730	100.50000	0.0	0.0	0.0	0.0 d
7.0677	88.26800	90.47125	100.50000	0.0	0.0	0.0	0.0 d
7.5389	87.79820	90.43520	100.50000	0.0	0.0	0.0	0.0 d
8.0101	87.32840	90.39915	100.50000	0.0	0.0	0.0	0.0 d
8.4813	86.85860	90.36310	100.50000	0.0	0.0	0.0	0.0 d
8.9524	86.38880	90.32705	100.50000	0.0	0.0	0.0	0.0 d
9.4236	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

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	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d
0.48006	85.95573	89.81235	100.50000	0.0	0.0	0.0	0.0 d
0.96012	85.99246	89.33369	100.50000	0.0	0.0	0.0	0.0 d
1.4402	86.02919	88.85504	100.50000	0.0	0.0	0.0	0.0 d
1.9202	86.06592	88.37638	100.50000	0.0	0.0	0.0	0.0 d
2.4003	86.10265	87.89773	100.50000	0.0	0.0	0.0	0.0 d
2.8804	86.13938	87.41908	100.50000	0.0	0.0	0.0	0.0 d
3.3604	86.17612	86.94042	100.50000	0.0	0.0	0.0	0.0 d
3.8405	86.21285	86.46177	100.50000	0.0	0.0	0.0	0.0 d
4.3205	86.24958	85.98312	100.50000	0.0	0.0	0.0	0.0 d
4.8006	86.28631	85.50446	100.50000	0.0	0.0	0.0	0.0 d
5.2807	86.32304	85.02581	100.50000	0.0	0.0	0.0	0.0 d
5.7607	86.35977	84.54715	100.50000	0.0	0.0	0.0	0.0 d
6.2408	86.39650	84.06850	100.50000	0.0	0.0	0.0	0.0 d
6.7209	86.43323	83.58985	100.50000	0.0	0.0	0.0	0.0 d
7.2009	86.46996	83.11119	100.50000	0.0	0.0	0.0	0.0 d
7.6810	86.50669	82.63254	100.50000	0.0	0.0	0.0	0.0 d
8.1610	86.54342	82.15388	100.50000	0.0	0.0	0.0	0.0 d
8.6411	86.58015	81.67523	100.50000	0.0	0.0	0.0	0.0 d
9.1212	86.61688	81.19658	100.50000	0.0	0.0	0.0	0.0 d
9.6012	86.65362	80.71792	100.50000	0.0	0.0	0.0	0.0 d
10.081	86.69035	80.23927	100.50000	0.0	0.0	0.0	0.0 d
10.561	86.72708	79.76062	100.50000	0.0	0.0	0.0	0.0 d
11.041	86.76381	79.28196	100.50000	0.0	0.0	0.0	0.0 d
11.521	86.80054	78.80331	100.50000	0.0	0.0	0.0	0.0 d
12.002	86.83727	78.32465	100.50000	0.0	0.0	0.0	0.0 d
12.482	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

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	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d
0.49556	86.37989	77.80809	100.50000	0.0	0.0	0.0	0.0 d
0.99112	85.88579	77.77018	100.50000	0.0	0.0	0.0	0.0 d
1.4867	85.39168	77.73227	100.50000	0.0	0.0	0.0	0.0 d
1.9822	84.89758	77.69436	100.50000	0.0	0.0	0.0	0.0 d
2.4778	84.40347	77.65645	100.50000	0.0	0.0	0.0	0.0 d
2.9733	83.90936	77.61855	100.50000	0.0	0.0	0.0	0.0 d
3.4689	83.41526	77.58064	100.50000	0.0	0.0	0.0	0.0 d
3.9645	82.92115	77.54273	100.50000	0.0	0.0	0.0	0.0 d
4.4600	82.42705	77.50482	100.50000	0.0	0.0	0.0	0.0 d
4.9556	81.93294	77.46691	100.50000	0.0	0.0	0.0	0.0 d
5.4511	81.43883	77.42900	100.50000	0.0	0.0	0.0	0.0 d
5.9467	80.94473	77.39109	100.50000	0.0	0.0	0.0	0.0 d
6.4423	80.45062	77.35318	100.50000	0.0	0.0	0.0	0.0 d
6.9378	79.95652	77.31527	100.50000	0.0	0.0	0.0	0.0 d
7.4334	79.46241	77.27736	100.50000	0.0	0.0	0.0	0.0 d
7.9289	78.96830	77.23945	100.50000	0.0	0.0	0.0	0.0 d
8.4245	78.47420	77.20155	100.50000	0.0	0.0	0.0	0.0 d
8.9200	77.98009	77.16364	100.50000	0.0	0.0	0.0	0.0 d
9.4156	77.48598	77.12573	100.50000	0.0	0.0	0.0	0.0 d
9.9112	76.99188	77.08782	100.50000	0.0	0.0	0.0	0.0 d
10.407	76.49777	77.04991	100.50000	0.0	0.0	0.0	0.0 d
10.902	76.00367	77.01200	100.50000	0.0	0.0	0.0	0.0 d
11.398	75.50956	76.97409	100.50000	0.0	0.0	0.0	0.0 d
11.893	75.01545	76.93618	100.50000	0.0	0.0	0.0	0.0 d
12.389	74.52135	76.89827	100.50000	0.0	0.0	0.0	0.0 d
12.885	74.02724	76.86036	100.50000	0.0	0.0	0.0	0.0 d
13.380	73.53314	76.82245	100.50000	0.0	0.0	0.0	0.0 d
13.876	73.03903	76.78455	100.50000	0.0	0.0	0.0	0.0 d
14.371	72.54492	76.74664	100.50000	0.0	0.0	0.0	0.0 d
14.867	72.05082	76.70873	100.50000	0.0	0.0	0.0	0.0 d
15.362	71.55671	76.67082	100.50000	0.0	0.0	0.0	0.0 d
15.858	71.06261	76.63291	100.50000	0.0	0.0	0.0	0.0 d
16.353	70.56850	76.59500	100.50000	0.0	0.0	0.0	0.0 d
16.849	70.07439	76.55709	100.50000	0.0	0.0	0.0	0.0 d
17.345	69.58029	76.51918	100.50000	0.0	0.0	0.0	0.0 d
17.840	69.08618	76.48127	100.50000	0.0	0.0	0.0	0.0 d
18.336	68.59208	76.44336	100.50000	0.0	0.0	0.0	0.0 d
18.831	68.09797	76.40545	100.50000	0.0	0.0	0.0	0.0 d
19.327	67.60386	76.36755	100.50000	0.0	0.0	0.0	0.0 d
19.822	67.10976	76.32964	100.50000	0.0	0.0	0.0	0.0 d
20.318	66.61565	76.29173	100.50000	0.0	0.0	0.0	0.0 d
20.813	66.12155	76.25382	100.50000	0.0	0.0	0.0	0.0 d
21.309	65.62744	76.21591	100.50000	0.0	0.0	0.0	0.0 d
21.805	65.13333	76.17800	100.50000	0.0	0.0	0.0	0.0 d
22.300	64.63923	76.14009	100.50000	0.0	0.0	0.0	0.0 d
22.796	64.14512	76.10218	100.50000	0.0	0.0	0.0	0.0 d
23.291	63.65102	76.06427	100.50000	0.0	0.0	0.0	0.0 d
23.787	63.15691	76.02636	100.50000	0.0	0.0	0.0	0.0 d
24.282	62.66280	75.98845	100.50000	0.0	0.0	0.0	0.0 d
24.778	62.16870	75.95055	100.50000	0.0	0.0	0.0	0.0 d
25.273	61.67459	75.91264	100.50000	0.0	0.0	0.0	0.0 d
25.769	61.18048	75.87473	100.50000	0.0	0.0	0.0	0.0 d
26.265	60.68638	75.83682	100.50000	0.0	0.0	0.0	0.0 d
26.760	60.19227	75.79891	100.50000	0.0	0.0	0.0	0.0 d
27.256	59.69817	75.76100	100.50000	0.0	0.0	0.0	0.0 d
27.751	59.20406	75.72309	100.50000	0.0	0.0	0.0	0.0 d
28.247	58.70995	75.68518	100.50000	0.0	0.0	0.0	0.0 d
28.742	58.21585	75.64727	100.50000	0.0	0.0	0.0	0.0 d
29.238	57.72174	75.60936	100.50000	0.0	0.0	0.0	0.0 d
29.733	57.22764	75.57145	100.50000	0.0	0.0	0.0	0.0 d
30.229	56.73353	75.53355	100.50000	0.0	0.0	0.0	0.0 d
30.725	56.23942	75.49564	100.50000	0.0	0.0	0.0	0.0 d
31.220	55.74532	75.45773	100.50000	0.0	0.0	0.0	0.0 d
31.716	55.25121	75.41982	100.50000	0.0	0.0	0.0	0.0 d
32.211	54.75711	75.38191	100.50000	0.0	0.0	0.0	0.0 d
32.707	54.26300	75.34400	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal	Horizontal

[m]	[m]	[m]	[m]	[mm]	[mm]	displacement along the Line [mm]	displacement perpendicular to Line [mm]
0.0	54.26300	75.34400	100.50000	0.0	0.0	0.0	0.0 d
0.48103	54.22619	75.82362	100.50000	0.0	0.0	0.0	0.0 d
0.96205	54.18938	76.30323	100.50000	0.0	0.0	0.0	0.0 d
1.4431	54.15258	76.78285	100.50000	0.0	0.0	0.0	0.0 d
1.9241	54.11577	77.26246	100.50000	0.0	0.0	0.0	0.0 d
2.4051	54.07896	77.74208	100.50000	0.0	0.0	0.0	0.0 d
2.8862	54.04215	78.22169	100.50000	0.0	0.0	0.0	0.0 d
3.3672	54.00535	78.70131	100.50000	0.0	0.0	0.0	0.0 d
3.8482	53.96854	79.18092	100.50000	0.0	0.0	0.0	0.0 d
4.3292	53.93173	79.66054	100.50000	0.0	0.0	0.0	0.0 d
4.8103	53.89492	80.14015	100.50000	0.0	0.0	0.0	0.0 d
5.2913	53.85812	80.61977	100.50000	0.0	0.0	0.0	0.0 d
5.7723	53.82131	81.09938	100.50000	0.0	0.0	0.0	0.0 d
6.2533	53.78450	81.57900	100.50000	0.0	0.0	0.0	0.0 d
6.7344	53.74769	82.05862	100.50000	0.0	0.0	0.0	0.0 d
7.2154	53.71088	82.53823	100.50000	0.0	0.0	0.0	0.0 d
7.6964	53.67408	83.01785	100.50000	0.0	0.0	0.0	0.0 d
8.1774	53.63727	83.49746	100.50000	0.0	0.0	0.0	0.0 d
8.6585	53.60046	83.97708	100.50000	0.0	0.0	0.0	0.0 d
9.1395	53.56365	84.45669	100.50000	0.0	0.0	0.0	0.0 d
9.6205	53.52685	84.93631	100.50000	0.0	0.0	0.0	0.0 d
10.102	53.49004	85.41592	100.50000	0.0	0.0	0.0	0.0 d
10.583	53.45323	85.89554	100.50000	0.0	0.0	0.0	0.0 d
11.064	53.41642	86.37515	100.50000	0.0	0.0	0.0	0.0 d
11.545	53.37962	86.85477	100.50000	0.0	0.0	0.0	0.0 d
12.026	53.34281	87.33438	100.50000	0.0	0.0	0.0	0.0 d
12.507	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

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	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0 d
0.48457	52.82250	87.78178	100.50000	0.0	0.0	0.0	0.0 d
0.96915	52.33900	87.74956	100.50000	0.0	0.0	0.0	0.0 d
1.4537	51.85550	87.71733	100.50000	0.0	0.0	0.0	0.0 d
1.9383	51.37200	87.68511	100.50000	0.0	0.0	0.0	0.0 d
2.4229	50.88850	87.65289	100.50000	0.0	0.0	0.0	0.0 d
2.9074	50.40500	87.62067	100.50000	0.0	0.0	0.0	0.0 d
3.3920	49.92150	87.58844	100.50000	0.0	0.0	0.0	0.0 d
3.8766	49.43800	87.55622	100.50000	0.0	0.0	0.0	0.0 d
4.3612	48.95450	87.52400	100.50000	0.0	0.0	0.0	0.0 d
4.8457	48.47100	87.49178	100.50000	0.0	0.0	0.0	0.0 d
5.3303	47.98750	87.45956	100.50000	0.0	0.0	0.0	0.0 d
5.8149	47.50400	87.42733	100.50000	0.0	0.0	0.0	0.0 d
6.2994	47.02050	87.39511	100.50000	0.0	0.0	0.0	0.0 d
6.7840	46.53700	87.36289	100.50000	0.0	0.0	0.0	0.0 d
7.2686	46.05350	87.33067	100.50000	0.0	0.0	0.0	0.0 d
7.7532	45.57000	87.29844	100.50000	0.0	0.0	0.0	0.0 d
8.2377	45.08650	87.26622	100.50000	0.0	0.0	0.0	0.0 d
8.7223	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: GVA-1 | Sub-structure: GVA-1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	9.25200	89.52300	100.50000	0.18107 d
0.48595	9.22654	89.03772	100.50000	0.18303 d
0.97189	9.20108	88.55244	100.50000	0.18499 d
1.4578	9.17562	88.06716	100.50000	0.18697 d
1.9438	9.15016	87.58188	100.50000	0.18895 d
2.4297	9.12470	87.09660	100.50000	0.19093 d
2.9157	9.09924	86.61132	100.50000	0.19291 d
3.4016	9.07378	86.12604	100.50000	0.19490 d
3.8876	9.04832	85.64076	100.50000	0.19689 d
4.3735	9.02286	85.15548	100.50000	0.19888 d
4.8595	8.99740	84.67020	100.50000	0.20086 d
5.3454	8.97194	84.18492	100.50000	0.20285 d
5.8314	8.94648	83.69964	100.50000	0.20484 d
6.3173	8.92102	83.21436	100.50000	0.20682 d
6.8033	8.89556	82.72908	100.50000	0.20879 d
7.2892	8.87010	82.24380	100.50000	0.21076 d
7.7752	8.84464	81.75852	100.50000	0.21272 d
8.2611	8.81918	81.27324	100.50000	0.21467 d
8.7471	8.79372	80.78796	100.50000	0.21662 d
9.2330	8.76826	80.30268	100.50000	0.21855 d
9.7189	8.74280	79.81740	100.50000	0.22047 d
10.205	8.71734	79.33212	100.50000	0.22238 d
10.691	8.69188	78.84684	100.50000	0.22427 d
11.177	8.66642	78.36156	100.50000	0.22615 d
11.663	8.64096	77.87628	100.50000	0.22801 d
12.149	8.61550	77.39100	100.50000	0.22985 d
12.635	8.59004	76.90572	100.50000	0.23167 d
13.121	8.56458	76.42044	100.50000	0.23347 d
13.607	8.53912	75.93516	100.50000	0.23525 d
14.092	8.51366	75.44988	100.50000	0.23701 d
14.578	8.48820	74.96460	100.50000	0.23873 d
15.064	8.46274	74.47932	100.50000	0.24044 d
15.550	8.43728	73.99404	100.50000	0.24211 d
16.036	8.41182	73.50876	100.50000	0.24376 d
16.522	8.38636	73.02348	100.50000	0.24537 d
17.008	8.36090	72.53820	100.50000	0.24696 d
17.494	8.33544	72.05292	100.50000	0.24851 d
17.980	8.30998	71.56764	100.50000	0.25003 d
18.466	8.28452	71.08236	100.50000	0.25151 d
18.952	8.25906	70.59708	100.50000	0.25296 d
19.438	8.23360	70.11180	100.50000	0.25437 d
19.924	8.20814	69.62652	100.50000	0.25574 d
20.410	8.18268	69.14124	100.50000	0.25708 d
20.896	8.15722	68.65596	100.50000	0.25837 d
21.382	8.13176	68.17068	100.50000	0.25963 d
21.868	8.10630	67.68540	100.50000	0.26085 d
22.354	8.08084	67.20012	100.50000	0.26202 d
22.840	8.05538	66.71484	100.50000	0.26316 d
23.325	8.02992	66.22956	100.50000	0.26425 d
23.811	8.00446	65.74428	100.50000	0.26530 d
24.297	7.97900	65.25900	100.50000	0.26631 d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	7.97900	65.25900	100.50000	0.26631 d
0.48050	7.95067	64.77933	100.50000	0.26725 d
0.96101	7.92233	64.29967	100.50000	0.26815 d
1.4415	7.89400	63.82000	100.50000	0.26901 d
1.9220	7.86567	63.34033	100.50000	0.26983 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
2.4025	7.83733	62.86067	100.50000	0.27061 d
2.8830	7.80900	62.38100	100.50000	0.27136 d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	7.80900	62.38100	100.50000	0.27136 d
0.47715	8.28487	62.34613	100.50000	0.27326 d
0.95430	8.76075	62.31125	100.50000	0.27502 d
1.4315	9.23663	62.27638	100.50000	0.27662 d
1.9086	9.71250	62.24150	100.50000	0.27804 d
2.3858	10.18838	62.20662	100.50000	0.27926 d
2.8629	10.66425	62.17175	100.50000	0.28028 d
3.3401	11.14012	62.13687	100.50000	0.28106 d
3.8172	11.61600	62.10200	100.50000	0.28158 d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	11.61600	62.10200	100.50000	0.28158 d
0.47359	11.65050	62.57433	100.50000	0.28146 d
0.94718	11.68500	63.04667	100.50000	0.28129 d
1.4208	11.71950	63.51900	100.50000	0.28106 d
1.8944	11.75400	63.99133	100.50000	0.28079 d
2.3680	11.78850	64.46367	100.50000	0.28045 d
2.8415	11.82300	64.93600	100.50000	0.28006 d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	11.82300	64.93600	100.50000	0.28006 d
0.48843	12.31013	64.90031	100.50000	0.28100 d
0.97686	12.79725	64.86463	100.50000	0.28171 d
1.4653	13.28438	64.82894	100.50000	0.28216 d
1.9537	13.77150	64.79325	100.50000	0.28234 d
2.4422	14.25863	64.75756	100.50000	0.28221 d
2.9306	14.74575	64.72187	100.50000	0.28177 d
3.4190	15.23288	64.68619	100.50000	0.28097 d
3.9074	15.72000	64.65050	100.50000	0.27980 d
4.3959	16.20713	64.61481	100.50000	0.27822 d
4.8843	16.69425	64.57913	100.50000	0.27621 d
5.3727	17.18138	64.54344	100.50000	0.27373 d
5.8612	17.66850	64.50775	100.50000	0.27075 d
6.3496	18.15563	64.47206	100.50000	0.26723 d
6.8380	18.64275	64.43637	100.50000	0.26314 d
7.3265	19.12988	64.40069	100.50000	0.25843 d
7.8149	19.61700	64.36500	100.50000	0.25306 d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.61700	64.36500	100.50000	0.25306 d
0.49248	19.58100	63.87383	100.50000	0.24915 d
0.98497	19.54500	63.38267	100.50000	0.24503 d
1.4775	19.50900	62.89150	100.50000	0.24071 d
1.9699	19.47300	62.40033	100.50000	0.23620 d
2.4624	19.43700	61.90917	100.50000	0.23151 d
2.9549	19.40100	61.41800	100.50000	0.22664 d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.40100	61.41800	100.50000	0.22664 d
0.46449	19.86425	61.38412	100.50000	0.21746 d
0.92897	20.32750	61.35025	100.50000	0.20728 d
1.3935	20.79075	61.31638	100.50000	0.19604 d
1.8579	21.25400	61.28250	100.50000	0.18367 d
2.3224	21.71725	61.24862	100.50000	0.17010 d
2.7869	22.18050	61.21475	100.50000	0.15523 d
3.2514	22.64375	61.18088	100.50000	0.13899 d
3.7159	23.10700	61.14700	100.50000	0.12128 d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.10700	61.14700	100.50000	0.12128 d
0.49250	23.13267	61.63883	100.50000	0.13346 d
0.98501	23.15833	62.13067	100.50000	0.14519 d
1.4775	23.18400	62.62250	100.50000	0.15647 d
1.9700	23.20967	63.11433	100.50000	0.16727 d
2.4625	23.23533	63.60617	100.50000	0.17758 d
2.9550	23.26100	64.09800	100.50000	0.18739 d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.26100	64.09800	100.50000	0.18739 d
0.49313	23.28670	64.59046	100.50000	0.19670 d
0.98626	23.31240	65.08292	100.50000	0.20551 d
1.4794	23.33810	65.57538	100.50000	0.21381 d
1.9725	23.36380	66.06784	100.50000	0.22161 d
2.4657	23.38950	66.56030	100.50000	0.22890 d
2.9588	23.41520	67.05276	100.50000	0.23569 d
3.4519	23.44090	67.54522	100.50000	0.24200 d
3.9450	23.46660	68.03768	100.50000	0.24783 d
4.4382	23.49230	68.53014	100.50000	0.25320 d
4.9313	23.51800	69.02260	100.50000	0.25811 d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
5.4244	23.54370	69.51506	100.50000	0.26258 d
5.9176	23.56940	70.00752	100.50000	0.26663 d
6.4107	23.59510	70.49998	100.50000	0.27026 d
6.9038	23.62080	70.99244	100.50000	0.27350 d
7.3970	23.64650	71.48490	100.50000	0.27635 d
7.8901	23.67220	71.97736	100.50000	0.27884 d
8.3832	23.69790	72.46982	100.50000	0.28097 d
8.8763	23.72360	72.96228	100.50000	0.28277 d
9.3695	23.74930	73.45474	100.50000	0.28424 d
9.8626	23.77500	73.94720	100.50000	0.28542 d
10.356	23.80070	74.43966	100.50000	0.28630 d
10.849	23.82640	74.93212	100.50000	0.28690 d
11.342	23.85210	75.42458	100.50000	0.28725 d
11.835	23.87780	75.91704	100.50000	0.28735 d
12.328	23.90350	76.40950	100.50000	0.28721 d
12.821	23.92920	76.90196	100.50000	0.28686 d
13.315	23.95490	77.39442	100.50000	0.28629 d
13.808	23.98060	77.88688	100.50000	0.28554 d
14.301	24.00630	78.37934	100.50000	0.28460 d
14.794	24.03200	78.87180	100.50000	0.28349 d
15.287	24.05770	79.36426	100.50000	0.28223 d
15.780	24.08340	79.85672	100.50000	0.28081 d
16.273	24.10910	80.34918	100.50000	0.27926 d
16.766	24.13480	80.84164	100.50000	0.27758 d
17.260	24.16050	81.33410	100.50000	0.27578 d
17.753	24.18620	81.82656	100.50000	0.27387 d
18.246	24.21190	82.31902	100.50000	0.27186 d
18.739	24.23760	82.81148	100.50000	0.26976 d
19.232	24.26330	83.30394	100.50000	0.26758 d
19.725	24.28900	83.79640	100.50000	0.26532 d
20.218	24.31470	84.28886	100.50000	0.26298 d
20.711	24.34040	84.78132	100.50000	0.26059 d
21.205	24.36610	85.27378	100.50000	0.25814 d
21.698	24.39180	85.76624	100.50000	0.25564 d
22.191	24.41750	86.25870	100.50000	0.25309 d
22.684	24.44320	86.75116	100.50000	0.25050 d
23.177	24.46890	87.24362	100.50000	0.24788 d
23.670	24.49460	87.73608	100.50000	0.24523 d
24.163	24.52030	88.22854	100.50000	0.24256 d
24.657	24.54600	88.72100	100.50000	0.23986 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.54600	88.72100	100.50000	0.23986 d
0.47859	24.06806	88.74606	100.50000	0.23819 d
0.95719	23.59013	88.77112	100.50000	0.23651 d
1.4358	23.11219	88.79619	100.50000	0.23480 d
1.9144	22.63425	88.82125	100.50000	0.23308 d
2.3930	22.15631	88.84631	100.50000	0.23134 d
2.8716	21.67837	88.87138	100.50000	0.22958 d
3.3502	21.20044	88.89644	100.50000	0.22781 d
3.8288	20.72250	88.92150	100.50000	0.22602 d
4.3073	20.24456	88.94656	100.50000	0.22422 d
4.7859	19.76662	88.97163	100.50000	0.22241 d
5.2645	19.28869	88.99669	100.50000	0.22058 d
5.7431	18.81075	89.02175	100.50000	0.21874 d
6.2217	18.33281	89.04681	100.50000	0.21690 d
6.7003	17.85488	89.07188	100.50000	0.21504 d
7.1789	17.37694	89.09694	100.50000	0.21318 d
7.6575	16.89900	89.12200	100.50000	0.21131 d
8.1361	16.42106	89.14706	100.50000	0.20943 d
8.6147	15.94313	89.17212	100.50000	0.20755 d
9.0933	15.46519	89.19719	100.50000	0.20566 d
9.5719	14.98725	89.22225	100.50000	0.20377 d
10.050	14.50931	89.24731	100.50000	0.20187 d
10.529	14.03138	89.27237	100.50000	0.19998 d
11.008	13.55344	89.29744	100.50000	0.19808 d
11.486	13.07550	89.32250	100.50000	0.19618 d
11.965	12.59756	89.34756	100.50000	0.19428 d
12.443	12.11963	89.37262	100.50000	0.19239 d
12.922	11.64169	89.39769	100.50000	0.19049 d
13.401	11.16375	89.42275	100.50000	0.18860 d
13.879	10.68581	89.44781	100.50000	0.18671 d
14.358	10.20788	89.47288	100.50000	0.18482 d
14.836	9.72994	89.49794	100.50000	0.18294 d
15.315	9.25200	89.52300	100.50000	0.18107 d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	28.56700	64.11000	100.50000	-0.0017025 d
0.49454	29.06094	64.13431	100.50000	-0.025004 d
0.98907	29.55487	64.15863	100.50000	-0.049350 d
1.4836	30.04881	64.18294	100.50000	-0.074714 d
1.9781	30.54275	64.20725	100.50000	-0.10106 d
2.4727	31.03669	64.23156	100.50000	-0.12834 d
2.9672	31.53063	64.25588	100.50000	-0.15649 d
3.4617	32.02456	64.28019	100.50000	-0.18545 d
3.9563	32.51850	64.30450	100.50000	-0.21514 d
4.4508	33.01244	64.32881	100.50000	-0.24546 d
4.9454	33.50637	64.35312	100.50000	-0.27632 d
5.4399	34.00031	64.37744	100.50000	-0.30761 d
5.9344	34.49425	64.40175	100.50000	-0.33920 d
6.4290	34.98819	64.42606	100.50000	-0.37098 d
6.9235	35.48212	64.45037	100.50000	-0.40281 d
7.4180	35.97606	64.47469	100.50000	-0.43455 d
7.9126	36.47000	64.49900	100.50000	-0.46607 d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.47000	64.49900	100.50000	-0.46607 d
0.49291	36.44014	64.99100	100.50000	-0.39171 d
0.98581	36.41029	65.48300	100.50000	-0.32393 d
1.4787	36.38043	65.97500	100.50000	-0.26215 d
1.9716	36.35057	66.46700	100.50000	-0.20582 d
2.4645	36.32071	66.95900	100.50000	-0.15448 d
2.9574	36.29086	67.45100	100.50000	-0.10769 d
3.4503	36.26100	67.94300	100.50000	-0.065080 d
3.9432	36.23114	68.43500	100.50000	-0.026287 d
4.4361	36.20129	68.92700	100.50000	0.0090015 d
4.9291	36.17143	69.41900	100.50000	0.041075 d
5.4220	36.14157	69.91100	100.50000	0.070196 d
5.9149	36.11171	70.40300	100.50000	0.096606 d
6.4078	36.08186	70.89500	100.50000	0.12052 d
6.9007	36.05200	71.38700	100.50000	0.14215 d
7.3936	36.02214	71.87900	100.50000	0.16166 d
7.8865	35.99229	72.37100	100.50000	0.17924 d
8.3794	35.96243	72.86300	100.50000	0.19503 d
8.8723	35.93257	73.35500	100.50000	0.20917 d
9.3652	35.90271	73.84700	100.50000	0.22181 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
9.8581	35.87286	74.33900	100.50000	0.23306 d
10.351	35.84300	74.83100	100.50000	0.24302 d
10.844	35.81314	75.32300	100.50000	0.25181 d
11.337	35.78329	75.81500	100.50000	0.25952 d
11.830	35.75343	76.30700	100.50000	0.26623 d
12.323	35.72357	76.79900	100.50000	0.27202 d
12.816	35.69371	77.29100	100.50000	0.27697 d
13.308	35.66386	77.78300	100.50000	0.28116 d
13.801	35.63400	78.27500	100.50000	0.28463 d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	35.63400	78.27500	100.50000	0.28463 d
0.47806	35.15681	78.24606	100.50000	0.28520 d
0.95613	34.67963	78.21713	100.50000	0.28576 d
1.4342	34.20244	78.18819	100.50000	0.28629 d
1.9123	33.72525	78.15925	100.50000	0.28680 d
2.3903	33.24806	78.13031	100.50000	0.28728 d
2.8684	32.77087	78.10138	100.50000	0.28772 d
3.3464	32.29369	78.07244	100.50000	0.28813 d
3.8245	31.81650	78.04350	100.50000	0.28849 d
4.3026	31.33931	78.01456	100.50000	0.28881 d
4.7806	30.86212	77.98562	100.50000	0.28908 d
5.2587	30.38494	77.95669	100.50000	0.28930 d
5.7368	29.90775	77.92775	100.50000	0.28946 d
6.2148	29.43056	77.89881	100.50000	0.28957 d
6.6929	28.95338	77.86987	100.50000	0.28962 d
7.1710	28.47619	77.84094	100.50000	0.28960 d
7.6490	27.99900	77.81200	100.50000	0.28952 d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.99900	77.81200	100.50000	0.28952 d
0.48978	28.01929	77.32264	100.50000	0.28901 d
0.97955	28.03957	76.83329	100.50000	0.28815 d
1.4693	28.05986	76.34393	100.50000	0.28689 d
1.9591	28.08014	75.85457	100.50000	0.28521 d
2.4489	28.10043	75.36521	100.50000	0.28308 d
2.9387	28.12071	74.87586	100.50000	0.28046 d
3.4284	28.14100	74.38650	100.50000	0.27731 d
3.9182	28.16129	73.89714	100.50000	0.27360 d
4.4080	28.18157	73.40779	100.50000	0.26929 d
4.8978	28.20186	72.91843	100.50000	0.26433 d
5.3876	28.22214	72.42907	100.50000	0.25867 d
5.8773	28.24243	71.93971	100.50000	0.25228 d
6.3671	28.26271	71.45036	100.50000	0.24509 d
6.8569	28.28300	70.96100	100.50000	0.23705 d
7.3467	28.30329	70.47164	100.50000	0.22811 d
7.8364	28.32357	69.98229	100.50000	0.21820 d
8.3262	28.34386	69.49293	100.50000	0.20727 d
8.8160	28.36414	69.00357	100.50000	0.19525 d
9.3058	28.38443	68.51421	100.50000	0.18206 d
9.7955	28.40471	68.02486	100.50000	0.16764 d
10.285	28.42500	67.53550	100.50000	0.15192 d
10.775	28.44529	67.04614	100.50000	0.13480 d
11.265	28.46557	66.55679	100.50000	0.11622 d
11.755	28.48586	66.06743	100.50000	0.096092 d
12.244	28.50614	65.57807	100.50000	0.074323 d
12.734	28.52643	65.08871	100.50000	0.050828 d
13.224	28.54671	64.59936	100.50000	0.025516 d
13.714	28.56700	64.11000	100.50000	-0.0017025 d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	44.60300	87.23400	100.50000	0.28623 d
0.48563	44.63204	86.74924	100.50000	0.28833 d
0.97126	44.66109	86.26448	100.50000	0.29024 d
1.4569	44.69013	85.77972	100.50000	0.29195 d
1.9425	44.71917	85.29496	100.50000	0.29342 d
2.4282	44.74822	84.81020	100.50000	0.29465 d
2.9138	44.77726	84.32543	100.50000	0.29559 d
3.3994	44.80630	83.84067	100.50000	0.29622 d
3.8850	44.83535	83.35591	100.50000	0.29651 d
4.3707	44.86439	82.87115	100.50000	0.29643 d
4.8563	44.89343	82.38639	100.50000	0.29593 d
5.3419	44.92248	81.90163	100.50000	0.29497 d
5.8276	44.95152	81.41687	100.50000	0.29352 d
6.3132	44.98057	80.93211	100.50000	0.29152 d
6.7988	45.00961	80.44735	100.50000	0.28892 d
7.2845	45.03865	79.96259	100.50000	0.28566 d
7.7701	45.06770	79.47783	100.50000	0.28169 d
8.2557	45.09674	78.99307	100.50000	0.27693 d
8.7413	45.12578	78.50830	100.50000	0.27132 d
9.2270	45.15483	78.02354	100.50000	0.26477 d
9.7126	45.18387	77.53878	100.50000	0.25720 d
10.198	45.21291	77.05402	100.50000	0.24852 d
10.684	45.24196	76.56926	100.50000	0.23862 d
11.169	45.27100	76.08450	100.50000	0.22740 d
11.655	45.30004	75.59974	100.50000	0.21473 d
12.141	45.32909	75.11498	100.50000	0.20050 d
12.626	45.35813	74.63022	100.50000	0.18455 d
13.112	45.38717	74.14546	100.50000	0.16673 d
13.598	45.41622	73.66070	100.50000	0.14687 d
14.083	45.44526	73.17593	100.50000	0.12480 d
14.569	45.47430	72.69117	100.50000	0.10030 d
15.055	45.50335	72.20641	100.50000	0.073170 d
15.540	45.53239	71.72165	100.50000	0.043162 d
16.026	45.56143	71.23689	100.50000	0.010017 d
16.511	45.59048	70.75213	100.50000	-0.026551 d
16.997	45.61952	70.26737	100.50000	-0.066857 d
17.483	45.64857	69.78261	100.50000	-0.11124 d
17.968	45.67761	69.29785	100.50000	-0.16009 d
18.454	45.70665	68.81309	100.50000	-0.21382 d
18.940	45.73570	68.32833	100.50000	-0.27288 d
19.425	45.76474	67.84357	100.50000	-0.33778 d
19.911	45.79378	67.35880	100.50000	-0.40909 d
20.396	45.82283	66.87404	100.50000	-0.48743 d
20.882	45.85187	66.38928	100.50000	-0.57349 d
21.368	45.88091	65.90452	100.50000	-0.66803 d
21.853	45.90996	65.41976	100.50000	-0.77193 d
22.339	45.93900	64.93500	100.50000	-0.88614 d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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

Vertical Offset 1

0.0	45.93900	64.93500	100.50000	-0.88614	d
0.49257	46.43032	64.97005	100.50000	-0.89016	d
0.98513	46.92163	65.00510	100.50000	-0.89250	d
1.4777	47.41295	65.04014	100.50000	-0.89314	d
1.9703	47.90427	65.07519	100.50000	-0.89210	d
2.4628	48.39559	65.11024	100.50000	-0.88939	d
2.9554	48.88690	65.14529	100.50000	-0.88504	d
3.4480	49.37822	65.18034	100.50000	-0.87905	d
3.9405	49.86954	65.21538	100.50000	-0.87145	d
4.4331	50.36086	65.25043	100.50000	-0.86228	d
4.9257	50.85217	65.28548	100.50000	-0.85154	d
5.4182	51.34349	65.32053	100.50000	-0.83928	d
5.9108	51.83481	65.35558	100.50000	-0.82553	d
6.4034	52.32612	65.39063	100.50000	-0.81034	d
6.8959	52.81744	65.42567	100.50000	-0.79373	d
7.3885	53.30876	65.46072	100.50000	-0.77575	d
7.8811	53.80008	65.49577	100.50000	-0.75647	d
8.3736	54.29139	65.53082	100.50000	-0.73592	d
8.8662	54.78271	65.56587	100.50000	-0.71418	d
9.3588	55.27403	65.60091	100.50000	-0.69130	d
9.8513	55.76535	65.63596	100.50000	-0.66735	d
10.344	56.25666	65.67101	100.50000	-0.64240	d
10.836	56.74798	65.70606	100.50000	-0.61654	d
11.329	57.23930	65.74111	100.50000	-0.58985	d
11.822	57.73062	65.77615	100.50000	-0.56241	d
12.314	58.22193	65.81120	100.50000	-0.53432	d
12.807	58.71325	65.84625	100.50000	-0.50568	d
13.299	59.20457	65.88130	100.50000	-0.47657	d
13.792	59.69588	65.91635	100.50000	-0.44712	d
14.284	60.18720	65.95139	100.50000	-0.41741	d
14.777	60.67852	65.98644	100.50000	-0.38756	d
15.270	61.16984	66.02149	100.50000	-0.35767	d
15.762	61.66115	66.05654	100.50000	-0.32784	d
16.255	62.15247	66.09159	100.50000	-0.29817	d
16.747	62.64379	66.12663	100.50000	-0.26876	d
17.240	63.13511	66.16168	100.50000	-0.23972	d
17.732	63.62642	66.19673	100.50000	-0.21111	d
18.225	64.11774	66.23178	100.50000	-0.18304	d
18.718	64.60906	66.26683	100.50000	-0.15558	d
19.210	65.10038	66.30187	100.50000	-0.12879	d
19.703	65.59169	66.33692	100.50000	-0.10274	d
20.195	66.08301	66.37197	100.50000	-0.077484	d
20.688	66.57433	66.40702	100.50000	-0.053072	d
21.180	67.06564	66.44207	100.50000	-0.029542	d
21.673	67.55696	66.47712	100.50000	-0.0069256	d
22.165	68.04828	66.51216	100.50000	0.014752	d
22.658	68.53960	66.54721	100.50000	0.035473	d
23.151	69.03091	66.58226	100.50000	0.055225	d
23.643	69.52223	66.61731	100.50000	0.074005	d
24.136	70.01355	66.65236	100.50000	0.091811	d
24.628	70.50487	66.68740	100.50000	0.10865	d
25.121	70.99618	66.72245	100.50000	0.12453	d
25.613	71.48750	66.75750	100.50000	0.13947	d
26.106	71.97882	66.79255	100.50000	0.15348	d
26.599	72.47013	66.82760	100.50000	0.16659	d
27.091	72.96145	66.86264	100.50000	0.17882	d
27.584	73.45277	66.89769	100.50000	0.19018	d
28.076	73.94409	66.93274	100.50000	0.20072	d
28.569	74.43540	66.96779	100.50000	0.21046	d
29.061	74.92672	67.00284	100.50000	0.21942	d
29.554	75.41804	67.03788	100.50000	0.22764	d
30.047	75.90936	67.07293	100.50000	0.23515	d
30.539	76.40067	67.10798	100.50000	0.24198	d
31.032	76.89199	67.14303	100.50000	0.24816	d
31.524	77.38331	67.17808	100.50000	0.25371	d
32.017	77.87463	67.21313	100.50000	0.25868	d
32.509	78.36594	67.24817	100.50000	0.26309	d
33.002	78.85726	67.28322	100.50000	0.26696	d
33.494	79.34858	67.31827	100.50000	0.27033	d
33.987	79.83989	67.35332	100.50000	0.27323	d
34.480	80.33121	67.38837	100.50000	0.27568	d
34.972	80.82253	67.42341	100.50000	0.27770	d
35.465	81.31385	67.45846	100.50000	0.27933	d
35.957	81.80516	67.49351	100.50000	0.28059	d
36.450	82.29648	67.52856	100.50000	0.28149	d
36.942	82.78780	67.56361	100.50000	0.28207	d
37.435	83.27912	67.59865	100.50000	0.28234	d
37.928	83.77043	67.63370	100.50000	0.28232	d
38.420	84.26175	67.66875	100.50000	0.28204	d
38.913	84.75307	67.70380	100.50000	0.28152	d
39.405	85.24438	67.73885	100.50000	0.28076	d
39.898	85.73570	67.77389	100.50000	0.27979	d
40.390	86.22702	67.80894	100.50000	0.27862	d
40.883	86.71834	67.84399	100.50000	0.27727	d
41.376	87.20965	67.87904	100.50000	0.27575	d
41.868	87.70097	67.91409	100.50000	0.27408	d
42.361	88.19229	67.94913	100.50000	0.27227	d
42.853	88.68361	67.98418	100.50000	0.27032	d
43.346	89.17492	68.01923	100.50000	0.26826	d
43.838	89.66624	68.05428	100.50000	0.26610	d
44.331	90.15756	68.08933	100.50000	0.26384	d
44.823	90.64888	68.12438	100.50000	0.26148	d
45.316	91.14019	68.15942	100.50000	0.25906	d
45.809	91.63151	68.19447	100.50000	0.25656	d
46.301	92.12283	68.22952	100.50000	0.25400	d
46.794	92.61414	68.26457	100.50000	0.25138	d
47.286	93.10546	68.29962	100.50000	0.24872	d
47.779	93.59678	68.33466	100.50000	0.24602	d
48.271	94.08810	68.36971	100.50000	0.24328	d
48.764	94.57941	68.40476	100.50000	0.24051	d
49.257	95.07073	68.43981	100.50000	0.23772	d
49.749	95.56205	68.47486	100.50000	0.23491	d
50.242	96.05337	68.50990	100.50000	0.23208	d
50.734	96.54468	68.54495	100.50000	0.22924	d
51.227	97.03600	68.58000	100.50000	0.22640	d

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	97.03600	68.58000	100.50000	0.22640	d
0.48909	96.99859	69.06765	100.50000	0.22517	d
0.97817	96.96117	69.55530	100.50000	0.22393	d
1.4673	96.92376	70.04296	100.50000	0.22265	d
1.9563	96.88635	70.53061	100.50000	0.22136	d
2.4454	96.84893	71.01826	100.50000	0.22005	d
2.9345	96.81152	71.50591	100.50000	0.21871	d
3.4236	96.77411	71.99357	100.50000	0.21735	d
3.9127	96.73670	72.48122	100.50000	0.21598	d
4.4018	96.69928	72.96887	100.50000	0.21458	d
4.8909	96.66187	73.45652	100.50000	0.21316	d
5.3799	96.62446	73.94417	100.50000	0.21173	d
5.8690	96.58704	74.43183	100.50000	0.21028	d
6.3581	96.54963	74.91948	100.50000	0.20882	d
6.8472	96.51222	75.40713	100.50000	0.20734	d
7.3363	96.47480	75.89478	100.50000	0.20584	d
7.8254	96.43739	76.38243	100.50000	0.20433	d
8.3144	96.39998	76.87009	100.50000	0.20281	d
8.8035	96.36257	77.35774	100.50000	0.20127	d
9.2926	96.32515	77.84539	100.50000	0.19973	d
9.7817	96.28774	78.33304	100.50000	0.19817	d
10.271	96.25033	78.82070	100.50000	0.19660	d
10.760	96.21291	79.30835	100.50000	0.19502	d
11.249	96.17550	79.79600	100.50000	0.19344	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
11.738	96.13809	80.28365	100.50000	0.19184 d
12.227	96.10067	80.77130	100.50000	0.19024 d
12.716	96.06326	81.25896	100.50000	0.18864 d
13.205	96.02585	81.74661	100.50000	0.18702 d
13.694	95.98843	82.23426	100.50000	0.18540 d
14.183	95.95102	82.72191	100.50000	0.18378 d
14.673	95.91361	83.20957	100.50000	0.18216 d
15.162	95.87620	83.69722	100.50000	0.18053 d
15.651	95.83878	84.18487	100.50000	0.17890 d
16.140	95.80137	84.67252	100.50000	0.17727 d
16.629	95.76396	85.16017	100.50000	0.17563 d
17.118	95.72654	85.64783	100.50000	0.17400 d
17.607	95.68913	86.13548	100.50000	0.17237 d
18.096	95.65172	86.62313	100.50000	0.17074 d
18.585	95.61430	87.11078	100.50000	0.16911 d
19.074	95.57689	87.59843	100.50000	0.16748 d
19.563	95.53948	88.08609	100.50000	0.16586 d
20.052	95.50207	88.57374	100.50000	0.16424 d
20.542	95.46465	89.06139	100.50000	0.16262 d
21.031	95.42724	89.54904	100.50000	0.16101 d
21.520	95.38983	90.03670	100.50000	0.15940 d
22.009	95.35241	90.52435	100.50000	0.15780 d
22.498	95.31500	91.01200	100.50000	0.15620 d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	95.31500	91.01200	100.50000	0.15620 d
0.47118	94.84520	90.97595	100.50000	0.15793 d
0.94236	94.37540	90.93990	100.50000	0.15966 d
1.4135	93.90560	90.90385	100.50000	0.16141 d
1.8847	93.43580	90.86780	100.50000	0.16317 d
2.3559	92.96600	90.83175	100.50000	0.16493 d
2.8271	92.49620	90.79570	100.50000	0.16671 d
3.2983	92.02640	90.75965	100.50000	0.16850 d
3.7694	91.55660	90.72360	100.50000	0.17030 d
4.2406	91.08680	90.68755	100.50000	0.17210 d
4.7118	90.61700	90.65150	100.50000	0.17391 d
5.1830	90.14720	90.61545	100.50000	0.17574 d
5.6542	89.67740	90.57940	100.50000	0.17756 d
6.1254	89.20760	90.54335	100.50000	0.17940 d
6.5965	88.73780	90.50730	100.50000	0.18124 d
7.0677	88.26800	90.47125	100.50000	0.18308 d
7.5389	87.79820	90.43520	100.50000	0.18494 d
8.0101	87.32840	90.39915	100.50000	0.18679 d
8.4813	86.85860	90.36310	100.50000	0.18865 d
8.9524	86.38880	90.32705	100.50000	0.19051 d
9.4236	85.91900	90.29100	100.50000	0.19238 d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	85.91900	90.29100	100.50000	0.19238 d
0.48006	85.95573	89.81235	100.50000	0.19448 d
0.96012	85.99246	89.33369	100.50000	0.19658 d
1.4402	86.02919	88.85504	100.50000	0.19869 d
1.9202	86.06592	88.37638	100.50000	0.20081 d
2.4003	86.10265	87.89773	100.50000	0.20292 d
2.8804	86.13938	87.41908	100.50000	0.20504 d
3.3604	86.17612	86.94042	100.50000	0.20716 d
3.8405	86.21285	86.46177	100.50000	0.20927 d
4.3205	86.24958	85.98312	100.50000	0.21139 d
4.8006	86.28631	85.50446	100.50000	0.21350 d
5.2807	86.32304	85.02581	100.50000	0.21560 d
5.7607	86.35977	84.54715	100.50000	0.21770 d
6.2408	86.39650	84.06850	100.50000	0.21979 d
6.7209	86.43323	83.58985	100.50000	0.22187 d
7.2009	86.46996	83.11119	100.50000	0.22394 d
7.6810	86.50669	82.63254	100.50000	0.22600 d
8.1610	86.54342	82.15388	100.50000	0.22804 d
8.6411	86.58015	81.67523	100.50000	0.23007 d
9.1212	86.61688	81.19658	100.50000	0.23208 d
9.6012	86.65362	80.71792	100.50000	0.23407 d
10.081	86.69035	80.23927	100.50000	0.23604 d
10.561	86.72708	79.76062	100.50000	0.23799 d
11.041	86.76381	79.28196	100.50000	0.23992 d
11.521	86.80054	78.80331	100.50000	0.24182 d
12.002	86.83727	78.32465	100.50000	0.24369 d
12.482	86.87400	77.84600	100.50000	0.24553 d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	86.87400	77.84600	100.50000	0.24553 d
0.49556	86.37989	77.80809	100.50000	0.24794 d
0.99112	85.88579	77.77018	100.50000	0.25032 d
1.4867	85.39168	77.73227	100.50000	0.25266 d
1.9822	84.89758	77.69436	100.50000	0.25497 d
2.4778	84.40347	77.65645	100.50000	0.25723 d
2.9733	83.90936	77.61855	100.50000	0.25945 d
3.4689	83.41526	77.58064	100.50000	0.26161 d
3.9645	82.92115	77.54273	100.50000	0.26372 d
4.4600	82.42705	77.50482	100.50000	0.26577 d
4.9556	81.93294	77.46691	100.50000	0.26776 d
5.4511	81.43883	77.42900	100.50000	0.26967 d
5.9467	80.94473	77.39109	100.50000	0.27152 d
6.4423	80.45062	77.35318	100.50000	0.27329 d
6.9378	79.95652	77.31527	100.50000	0.27498 d
7.4334	79.46241	77.27736	100.50000	0.27658 d
7.9289	78.96830	77.23945	100.50000	0.27809 d
8.4245	78.47420	77.20155	100.50000	0.27950 d
8.9200	77.98009	77.16364	100.50000	0.28082 d
9.4156	77.48598	77.12573	100.50000	0.28203 d
9.9112	76.99188	77.08782	100.50000	0.28313 d
10.407	76.49777	77.04991	100.50000	0.28411 d
10.902	76.00367	77.01200	100.50000	0.28498 d
11.398	75.50956	76.97409	100.50000	0.28573 d
11.893	75.01545	76.93618	100.50000	0.28635 d
12.389	74.52135	76.89827	100.50000	0.28685 d
12.885	74.02724	76.86036	100.50000	0.28721 d
13.380	73.53314	76.82245	100.50000	0.28743 d
13.876	73.03903	76.78455	100.50000	0.28751 d
14.371	72.54492	76.74664	100.50000	0.28745 d
14.867	72.05082	76.70873	100.50000	0.28725 d
15.362	71.55671	76.67082	100.50000	0.28690 d
15.858	71.06261	76.63291	100.50000	0.28640 d
16.353	70.56850	76.59500	100.50000	0.28576 d
16.849	70.07439	76.55709	100.50000	0.28496 d
17.345	69.58029	76.51918	100.50000	0.28402 d
17.840	69.08618	76.48127	100.50000	0.28293 d
18.336	68.59208	76.44336	100.50000	0.28168 d
18.831	68.09797	76.40545	100.50000	0.28030 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
19.327	67.60386	76.36755	100.50000	0.27877 d
19.822	67.10976	76.32964	100.50000	0.27709 d
20.318	66.61565	76.29173	100.50000	0.27529 d
20.813	66.12155	76.25382	100.50000	0.27334 d
21.309	65.62744	76.21591	100.50000	0.27127 d
21.805	65.13333	76.17800	100.50000	0.26908 d
22.300	64.63923	76.14009	100.50000	0.26677 d
22.796	64.14512	76.10218	100.50000	0.26434 d
23.291	63.65102	76.06427	100.50000	0.26182 d
23.787	63.15691	76.02636	100.50000	0.25920 d
24.282	62.66280	75.98845	100.50000	0.25649 d
24.778	62.16870	75.95055	100.50000	0.25371 d
25.273	61.67459	75.91264	100.50000	0.25085 d
25.769	61.18048	75.87473	100.50000	0.24794 d
26.265	60.68638	75.83682	100.50000	0.24497 d
26.760	60.19227	75.79891	100.50000	0.24197 d
27.256	59.69817	75.76100	100.50000	0.23894 d
27.751	59.20406	75.72309	100.50000	0.23590 d
28.247	58.70995	75.68518	100.50000	0.23285 d
28.742	58.21585	75.64727	100.50000	0.22980 d
29.238	57.72174	75.60936	100.50000	0.22677 d
29.733	57.22764	75.57145	100.50000	0.22377 d
30.229	56.73353	75.53355	100.50000	0.22081 d
30.725	56.23942	75.49564	100.50000	0.21790 d
31.220	55.74532	75.45773	100.50000	0.21506 d
31.716	55.25121	75.41982	100.50000	0.21228 d
32.211	54.75711	75.38191	100.50000	0.20960 d
32.707	54.26300	75.34400	100.50000	0.20700 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	54.26300	75.34400	100.50000	0.20700 d
0.48103	54.22619	75.82362	100.50000	0.22019 d
0.96205	54.18938	76.30323	100.50000	0.23194 d
1.4431	54.15258	76.78285	100.50000	0.24236 d
1.9241	54.11577	77.26246	100.50000	0.25157 d
2.4051	54.07896	77.74208	100.50000	0.25966 d
2.8862	54.04215	78.22169	100.50000	0.26672 d
3.3672	54.00535	78.70131	100.50000	0.27284 d
3.8482	53.96854	79.18092	100.50000	0.27809 d
4.3292	53.93173	79.66054	100.50000	0.28254 d
4.8103	53.89492	80.14015	100.50000	0.28626 d
5.2913	53.85812	80.61977	100.50000	0.28931 d
5.7723	53.82131	81.09938	100.50000	0.29174 d
6.2533	53.78450	81.57900	100.50000	0.29361 d
6.7344	53.74769	82.05862	100.50000	0.29496 d
7.2154	53.71088	82.53823	100.50000	0.29584 d
7.6964	53.67408	83.01785	100.50000	0.29629 d
8.1774	53.63727	83.49746	100.50000	0.29635 d
8.6585	53.60046	83.97708	100.50000	0.29605 d
9.1395	53.56365	84.45669	100.50000	0.29542 d
9.6205	53.52685	84.93631	100.50000	0.29449 d
10.102	53.49004	85.41592	100.50000	0.29330 d
10.583	53.45323	85.89554	100.50000	0.29186 d
11.064	53.41642	86.37515	100.50000	0.29020 d
11.545	53.37962	86.85477	100.50000	0.28835 d
12.026	53.34281	87.33438	100.50000	0.28631 d
12.507	53.30600	87.81400	100.50000	0.28411 d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	53.30600	87.81400	100.50000	0.28411 d
0.48457	52.82250	87.78178	100.50000	0.28447 d
0.96915	52.33900	87.74956	100.50000	0.28480 d
1.4537	51.85550	87.71733	100.50000	0.28510 d
1.9383	51.37200	87.68511	100.50000	0.28537 d
2.4229	50.88850	87.65289	100.50000	0.28562 d
2.9074	50.40500	87.62067	100.50000	0.28583 d
3.3920	49.92150	87.58844	100.50000	0.28602 d
3.8766	49.43800	87.55622	100.50000	0.28618 d
4.3612	48.95450	87.52400	100.50000	0.28631 d
4.8457	48.47100	87.49178	100.50000	0.28641 d
5.3303	47.98750	87.45956	100.50000	0.28648 d
5.8149	47.50400	87.42733	100.50000	0.28653 d
6.2994	47.02050	87.39511	100.50000	0.28655 d
6.7840	46.53700	87.36289	100.50000	0.28654 d
7.2686	46.05350	87.33067	100.50000	0.28650 d
7.7532	45.57000	87.29844	100.50000	0.28644 d
8.2377	45.08650	87.26622	100.50000	0.28635 d
8.7223	44.60300	87.23400	100.50000	0.28623 d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: GVA-1 | Sub-structure: GVA-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.0544	Hogging	0.0	0.0	0.0	0.0	-4.0926E-6	36.149E+6	0 (Negligible)
	2	4.0544	20.243	Sagging	27.185E-6	0.0	40.805E-6	0.0	-4.0926E-6	5.6202E+6	0 (Negligible)

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

Structure: GVA-2 | Sub-structure: GVA-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8830	Sagging	6.2208E-6	0.0	5.9009E-6	0.0	-1.9600E-6	5.6920E+6	0 (Negligible)

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

Structure: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.8170	Sagging	41.030E-6	0.0	37.158E-6	0.0	-3.9926E-6	877300.	0 (Negligible)

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

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	2.8410	Sagging	8.4318E-6	0.0	7.9751E-6	0.0	0.0	3.9566E+6	0 (Negligible)

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

Structure: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	7.8140	Sagging	170.63E-6	0.0	154.17E-6	0.0	10.986E-6	357220.	0 (Negligible)

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

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	2.9540	Sagging	29.042E-6	0.0	27.359E-6	0.0	9.8734E-6	1.1438E+6	0 (Negligible)

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

Structure: GVA-7 | Sub-structure: GVA-7

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	3.7150	Sagging	260.84E-6	0.0	237.50E-6	0.0	38.120E-6	144940.	0 (Negligible)

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

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	2.9550	Sagging	72.021E-6	0.0	67.770E-6	0.0	-24.723E-6	484110.	0 (Negligible)

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

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	24.656	Sagging	312.32E-6	0.0	474.04E-6	0.0	-18.894E-6	477970.	0 (Negligible)

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

Structure: GVA-10 | Sub-structure: GVA-10

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	11.314	Sagging	6.4865E-6	0.0	7.6890E-6	0.0	3.9661E-6	11.318E+6	0 (Negligible)
	2	11.314	4.0008	Hogging	0.0	0.0	0.0	0.0	3.9661E-6	43.020E+6	0 (Negligible)

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

Structure: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	1.9781	4.6366	Sagging	133.08E-6	0.0	137.22E-6	0.0	64.358E-6	262770.	0 (Negligible)
	2	6.6148	1.2972	Hogging	11.956E-6	0.0	11.909E-6	0.0	64.358E-6	963580.	0 (Negligible)

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

Structure: GE-2 | Sub-structure: GE-2

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	13.801	Sagging	0.0017487	0.0	0.0026258	0.0	-150.87E-6	36090.	0 (Negligible)

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

Structure: GE-3 | Sub-structure: GE-3

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	Curve		[m]	
[m]											
0.0	1	0.0	7.6490	Sagging	18.675E-6	0.0	25.856E-6	0.0	-1.1997E-6	3.5037E+6	0 (Negligible)

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

Structure: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	11.265	Sagging	475.03E-6	0.0	720.73E-6	0.0	41.104E-6	154580.	0 (Negligible)

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

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	22.338	Sagging	0.0025888	0.0	0.0035433	0.0	235.18E-6	22321.	0 (Negligible)

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

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	14.974	Hogging	952.79E-6	0.0	912.34E-6	0.0	-60.689E-6	142790.	0 (Negligible)
	2	14.974	36.252	Sagging	996.09E-6	0.0	0.0015129	0.0	-60.689E-6	249690.	0 (Negligible)

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

Structure: DH-3 | Sub-structure: DH-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	16.739	Sagging	11.074E-6	0.0	12.982E-6	0.0	3.3382E-6	10.086E+6	0 (Negligible)
	2	16.739	5.7584	Hogging	1.0392E-6	0.0	1.0371E-6	0.0	3.3382E-6	40.240E+6	0 (Negligible)

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

Structure: DH-4 | Sub-structure: DH-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	9.4230	Hogging	4.0064E-6	0.0	3.9697E-6	0.0	-3.9565E-6	19.461E+6	0 (Negligible)

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

Structure: DH-5 | Sub-structure: DH-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8530	Hogging	0.0	0.0	0.0	0.0	-4.4104E-6	41.857E+6	0 (Negligible)
	2	2.8530	9.6280	Sagging	7.6604E-6	0.0	7.1168E-6	0.0	-4.4104E-6	7.7146E+6	0 (Negligible)

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

Structure: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	27.993	Sagging	170.16E-6	0.0	251.31E-6	0.0	6.1573E-6	1.6460E+6	0 (Negligible)
	2	27.993	4.7130	Hogging	13.170E-6	0.0	13.125E-6	0.0	6.1573E-6	2.5316E+6	0 (Negligible)

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

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	12.506	Sagging	397.11E-6	0.0	377.69E-6	0.0	-27.414E-6	157750.	0 (Negligible)

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

Structure: DH-8 | Sub-structure: DH-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.7220	Sagging	12.978E-6	0.0	12.267E-6	0.0	0.0	7.9026E+6	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: GVA-1 | Sub-structure: GVA-1

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

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	27.185E-6	0.0	-4.0926E-6	0.26631	40.805E-6	0.0	-4.0926E-6	36.149E+6	5.6202E+6	0 (Negligible)

Structure: GVA-2 | Sub-structure: GVA-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	6.2208E-6	0.0	-1.9600E-6	0.27136	5.9009E-6	0.0	-1.9600E-6	-	5.6920E+6	0 (Negligible)

Structure: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	41.030E-6	0.0	-3.9926E-6	0.28158	37.158E-6	0.0	-3.9926E-6	-	877300.	0 (Negligible)

Structure: GVA-4 | Sub-structure: GVA-4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	8.4318E-6	0.0	0.0	0.28158	7.9751E-6	0.0	0.0	-	3.9566E+6	0 (Negligible)

Structure: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	170.63E-6	0.0	10.986E-6	0.28233	154.17E-6	0.0	10.986E-6	-	357220.	0 (Negligible)

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	29.042E-6	0.0	9.8734E-6	0.25306	27.359E-6	0.0	9.8734E-6	-	1.1438E+6	0 (Negligible)

Structure: GVA-7 | Sub-structure: GVA-7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	260.84E-6	0.0	38.120E-6	0.22664	237.50E-6	0.0	38.120E-6	-	144940.	0 (Negligible)

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	72.021E-6	0.0	-24.723E-6	0.18739	67.770E-6	0.0	-24.723E-6	-	484110.	0 (Negligible)

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	312.32E-6	0.0	-18.894E-6	0.28732	474.04E-6	0.0	-18.894E-6	-	477970.	0 (Negligible)

Structure: GVA-10 | Sub-structure: GVA-10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	6.4865E-6	0.0	3.9661E-6	0.23986	7.6890E-6	0.0	3.9661E-6	43.020E+6	11.318E+6	0 (Negligible)

Structure: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	133.08E-6	0.0	64.358E-6	0.46604	137.22E-6	0.0	64.358E-6	963580.	262770.	0 (Negligible)

Structure: GE-2 | Sub-structure: GE-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0017487	0.0	-150.87E-6	0.46607	0.0026258	0.0	-150.87E-6	-	36090.	0 (Negligible)

Structure: GE-3 | Sub-structure: GE-3

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	18.675E-6	0.0	-1.1997E-6	0.28962	25.856E-6	0.0	-1.1997E-6		- 3.5037E+6	0 (Negligible)

Structure: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	475.03E-6	0.0	41.104E-6	0.28952	720.73E-6	0.0	41.104E-6		- 154580.	0 (Negligible)

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0025888	0.0	235.18E-6	0.88590	0.0035433	0.0	235.18E-6		- 22321.	0 (Negligible)

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	996.09E-6	0.0	-60.689E-6	0.89306	0.0015129	0.0	-60.689E-6	142790.	249690.	0 (Negligible)

Structure: DH-3 | Sub-structure: DH-3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	11.074E-6	0.0	3.3382E-6	0.22640	12.982E-6	0.0	3.3382E-6	40.240E+6	10.086E+6	0 (Negligible)

Structure: DH-4 | Sub-structure: DH-4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	4.0064E-6	0.0	-3.9565E-6	0.19237	3.9697E-6	0.0	-3.9565E-6	19.461E+6		- 0 (Negligible)

Structure: DH-5 | Sub-structure: DH-5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	7.6604E-6	0.0	-4.4104E-6	0.24553	7.1168E-6	0.0	-4.4104E-6	41.857E+6	7.7146E+6	0 (Negligible)

Structure: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	170.16E-6	0.0	6.1573E-6	0.28751	251.31E-6	0.0	6.1573E-6	2.5316E+6	1.6460E+6	0 (Negligible)

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	397.11E-6	0.0	-27.414E-6	0.29634	377.69E-6	0.0	-27.414E-6		- 157750.	0 (Negligible)

Structure: DH-8 | Sub-structure: DH-8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	12.978E-6	0.0	0.0	0.28655	12.267E-6	0.0	0.0		- 7.9026E+6	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
GVA-1	Max Slope	GVA-1	1	0.0	4.0544	Hogging	**4.0926E-6**	0.19757	0.0	36.149E+6	- 0	(Negligible)
	Max Settlement	GVA-1	2	4.0544	24.297	Sagging	4.0926E-6	**0.26631**	40.805E-6	- 5.6202E+6	0	(Negligible)
	Max Tensile Strain	GVA-1	2	4.0544	24.297	Sagging	4.0926E-6	0.26631	**40.805E-6**	- 5.6202E+6	0	(Negligible)
	Min Radius of Curvature (Hogging)	GVA-1	1	0.0	4.0544	Hogging	4.0926E-6	0.19757	0.0	**36.149E+6**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GVA-1	2	4.0544	24.297	Sagging	4.0926E-6	0.26631	40.805E-6	- **5.6202E+6**	0	(Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
GVA-2	Max Slope	GVA-2	1	0.0	2.8830	Sagging	**1.9600E-6**	0.27136	5.9009E-6	-	5.6920E+6	0 (Negligible)
	Max Settlement	GVA-2	1	0.0	2.8830	Sagging	1.9600E-6	**0.27136**	5.9009E-6	-	5.6920E+6	0 (Negligible)
	Max Tensile Strain	GVA-2	1	0.0	2.8830	Sagging	1.9600E-6	0.27136	**5.9009E-6**	-	5.6920E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-2	1	0.0	2.8830	Sagging	1.9600E-6	0.27136	5.9009E-6	-	**5.6920E+6**	0 (Negligible)
GVA-3	Max Slope	GVA-3	1	0.0	3.8170	Sagging	**3.9926E-6**	0.28158	37.158E-6	-	877300.	0 (Negligible)
	Max Settlement	GVA-3	1	0.0	3.8170	Sagging	3.9926E-6	**0.28158**	37.158E-6	-	877300.	0 (Negligible)
	Max Tensile Strain	GVA-3	1	0.0	3.8170	Sagging	3.9926E-6	0.28158	**37.158E-6**	-	877300.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-3	1	0.0	3.8170	Sagging	3.9926E-6	0.28158	37.158E-6	-	**877300.**	0 (Negligible)
GVA-4	Max Slope	GVA-4	1	0.0	2.8410	Sagging	**0.0**	0.28158	7.9751E-6	-	3.9566E+6	0 (Negligible)
	Max Settlement	GVA-4	1	0.0	2.8410	Sagging	0.0	**0.28158**	7.9751E-6	-	3.9566E+6	0 (Negligible)
	Max Tensile Strain	GVA-4	1	0.0	2.8410	Sagging	0.0	0.28158	**7.9751E-6**	-	3.9566E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-4	1	0.0	2.8410	Sagging	0.0	0.28158	7.9751E-6	-	**3.9566E+6**	0 (Negligible)
GVA-5	Max Slope	GVA-5	1	0.0	7.8140	Sagging	**10.986E-6**	0.28233	154.17E-6	-	357220.	0 (Negligible)
	Max Settlement	GVA-5	1	0.0	7.8140	Sagging	10.986E-6	**0.28233**	154.17E-6	-	357220.	0 (Negligible)
	Max Tensile Strain	GVA-5	1	0.0	7.8140	Sagging	10.986E-6	0.28233	**154.17E-6**	-	357220.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-5	1	0.0	7.8140	Sagging	10.986E-6	0.28233	154.17E-6	-	**357220.**	0 (Negligible)
GVA-6	Max Slope	GVA-6	1	0.0	2.9540	Sagging	**9.8734E-6**	0.25306	27.359E-6	-	1.1438E+6	0 (Negligible)
	Max Settlement	GVA-6	1	0.0	2.9540	Sagging	9.8734E-6	**0.25306**	27.359E-6	-	1.1438E+6	0 (Negligible)
	Max Tensile Strain	GVA-6	1	0.0	2.9540	Sagging	9.8734E-6	0.25306	**27.359E-6**	-	1.1438E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-6	1	0.0	2.9540	Sagging	9.8734E-6	0.25306	27.359E-6	-	**1.1438E+6**	0 (Negligible)
GVA-7	Max Slope	GVA-7	1	0.0	3.7150	Sagging	**38.120E-6**	0.22664	237.50E-6	-	144940.	0 (Negligible)
	Max Settlement	GVA-7	1	0.0	3.7150	Sagging	38.120E-6	**0.22664**	237.50E-6	-	144940.	0 (Negligible)
	Max Tensile Strain	GVA-7	1	0.0	3.7150	Sagging	38.120E-6	0.22664	**237.50E-6**	-	144940.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-7	1	0.0	3.7150	Sagging	38.120E-6	0.22664	237.50E-6	-	**144940.**	0 (Negligible)
GVA-8	Max Slope	GVA-8	1	0.0	2.9550	Sagging	**24.723E-6**	0.18739	67.770E-6	-	484110.	0 (Negligible)
	Max Settlement	GVA-8	1	0.0	2.9550	Sagging	24.723E-6	**0.18739**	67.770E-6	-	484110.	0 (Negligible)
	Max Tensile Strain	GVA-8	1	0.0	2.9550	Sagging	24.723E-6	0.18739	**67.770E-6**	-	484110.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-8	1	0.0	2.9550	Sagging	24.723E-6	0.18739	67.770E-6	-	**484110.**	0 (Negligible)
GVA-9	Max Slope	GVA-9	1	0.0	24.656	Sagging	**18.894E-6**	0.28732	474.04E-6	-	477970.	0 (Negligible)
	Max Settlement	GVA-9	1	0.0	24.656	Sagging	18.894E-6	**0.28732**	474.04E-6	-	477970.	0 (Negligible)
	Max Tensile Strain	GVA-9	1	0.0	24.656	Sagging	18.894E-6	0.28732	**474.04E-6**	-	477970.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-9	1	0.0	24.656	Sagging	18.894E-6	0.28732	474.04E-6	-	**477970.**	0 (Negligible)
GVA-10	Max Slope	GVA-10	1	0.0	11.314	Sagging	**3.9661E-6**	0.23986	7.6890E-6	-	11.318E+6	0 (Negligible)
	Max Settlement	GVA-10	1	0.0	11.314	Sagging	3.9661E-6	**0.23986**	7.6890E-6	-	11.318E+6	0 (Negligible)
	Max Tensile Strain	GVA-10	1	0.0	11.314	Sagging	3.9661E-6	0.23986	**7.6890E-6**	-	11.318E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)	GVA-10	2	11.314	15.315	Hogging	3.9661E-6	0.19686	0.0	**43.020E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GVA-10	1	0.0	11.314	Sagging	3.9661E-6	0.23986	7.6890E-6	-	**11.318E+6**	0 (Negligible)
GE-1	Max Slope	GE-1	1	1.9781	6.6148	Sagging	**64.358E-6**	0.38294	137.22E-6	-	262770.	0 (Negligible)
	Max Settlement	GE-1	2	6.6148	7.9120	Hogging	64.358E-6	**0.46604**	11.909E-6	963580.	-	0 (Negligible)
	Max Tensile Strain	GE-1	1	1.9781	6.6148	Sagging	64.358E-6	0.38294	**137.22E-6**	-	262770.	0 (Negligible)
	Min Radius of Curvature (Hogging)	GE-1	2	6.6148	7.9120	Hogging	64.358E-6	0.46604	11.909E-6	**963580.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GE-1	1	1.9781	6.6148	Sagging	64.358E-6	0.38294	137.22E-6	-	**262770.**	0 (Negligible)
GE-2	Max Slope	GE-2	1	0.0	13.801	Sagging	**150.87E-6**	0.46607	0.0026258	-	36090.	0 (Negligible)
	Max Settlement	GE-2	1	0.0	13.801	Sagging	150.87E-6	**0.46607**	0.0026258	-	36090.	0 (Negligible)
	Max Tensile Strain	GE-2	1	0.0	13.801	Sagging	150.87E-6	0.46607	**0.0026258**	-	36090.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GE-2	1	0.0	13.801	Sagging	150.87E-6	0.46607	0.0026258	-	**36090.**	0 (Negligible)
GE-3	Max Slope	GE-3	1	0.0	7.6490	Sagging	**1.1997E-6**	0.28962	25.856E-6	-	3.5037E+6	0 (Negligible)
	Max Settlement	GE-3	1	0.0	7.6490	Sagging	1.1997E-6	**0.28962**	25.856E-6	-	3.5037E+6	0 (Negligible)
	Max Tensile Strain	GE-3	1	0.0	7.6490	Sagging	1.1997E-6	0.28962	**25.856E-6**	-	3.5037E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GE-3	1	0.0	7.6490	Sagging	1.1997E-6	0.28962	25.856E-6	-	**3.5037E+6**	0 (Negligible)
GE-4	Max Slope	GE-4	1	0.0	11.265	Sagging	**41.104E-6**	0.28952	720.73E-6	-	154580.	0 (Negligible)
	Max Settlement	GE-4	1	0.0	11.265	Sagging	41.104E-6	**0.28952**	720.73E-6	-	154580.	0 (Negligible)
	Max Tensile Strain	GE-4	1	0.0	11.265	Sagging	41.104E-6	0.28952	**720.73E-6**	-	154580.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GE-4	1	0.0	11.265	Sagging	41.104E-6	0.28952	720.73E-6	-	**154580.**	0 (Negligible)
DH-1	Max Slope	DH-1	1	0.0	22.338	Sagging	**235.18E-6**	0.88590	0.0035433	-	22321.	0 (Negligible)
	Max Settlement	DH-1	1	0.0	22.338	Sagging	235.18E-6	**0.88590**	0.0035433	-	22321.	0 (Negligible)
	Max Tensile Strain	DH-1	1	0.0	22.338	Sagging	235.18E-6	0.88590	**0.0035433**	-	22321.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	Min Radius of Curvature (Sagging)	DH-1	1	0.0	22.338	Sagging	235.18E-6	0.88590	0.0035433	-	**22321.**	0 (Negligible)
DH-2	Max Slope	DH-2	1	0.0	14.974	Hogging	**60.689E-6**	0.89306	912.34E-6	142790.	-	0 (Negligible)
	Max Settlement	DH-2	1	0.0	14.974	Hogging	60.689E-6	**0.89306**	912.34E-6	142790.	-	0 (Negligible)
	Max Tensile Strain	DH-2	2	14.974	51.226	Sagging	60.689E-6	0.37560	**0.0015129**	-	249690.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-2	1	0.0	14.974	Hogging	60.689E-6	0.89306	912.34E-6	**142790.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-2	2	14.974	51.226	Sagging	60.689E-6	0.37560	0.0015129	-	**249690.**	0 (Negligible)
DH-3	Max Slope	DH-3	1	0.0	16.739	Sagging	**3.3382E-6**	0.22640	12.982E-6	-	10.086E+6	0 (Negligible)
	Max Settlement	DH-3	1	0.0	16.739	Sagging	3.3382E-6	**0.22640**	12.982E-6	-	10.086E+6	0 (Negligible)
	Max Tensile Strain	DH-3	1	0.0	16.739	Sagging	3.3382E-6	0.22640	**12.982E-6**	-	10.086E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-3	2	16.739	22.497	Hogging	3.3382E-6	0.17527	1.0371E-6	**40.240E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-3	1	0.0	16.739	Sagging	3.3382E-6	0.22640	12.982E-6	-	**10.086E+6**	0 (Negligible)
DH-4	Max Slope	DH-4	1	0.0	9.4230	Hogging	**3.9565E-6**	0.19237	3.9697E-6	19.461E+6	-	0 (Negligible)
	Max Settlement	DH-4	1	0.0	9.4230	Hogging	3.9565E-6	**0.19237**	3.9697E-6	19.461E+6	-	0 (Negligible)
	Max Tensile Strain	DH-4	1	0.0	9.4230	Hogging	3.9565E-6	0.19237	**3.9697E-6**	19.461E+6	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-4	1	0.0	9.4230	Hogging	3.9565E-6	0.19237	3.9697E-6	**19.461E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
DH-5	Max Slope	DH-5	1	0.0	2.8530	Hogging	**4.4104E-6**	0.20492	0.0	41.857E+6	-	0 (Negligible)
	Max Settlement	DH-5	2	2.8530	12.481	Sagging	4.4104E-6	**0.24553**	7.1168E-6	-	7.7146E+6	0 (Negligible)
	Max Tensile Strain	DH-5	2	2.8530	12.481	Sagging	4.4104E-6	0.24553	**7.1168E-6**	-	7.7146E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-5	1	0.0	2.8530	Hogging	4.4104E-6	0.20492	0.0	**41.857E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-5	2	2.8530	12.481	Sagging	4.4104E-6	0.24553	7.1168E-6	-	**7.7146E+6**	0 (Negligible)
DH-6	Max Slope	DH-6	1	0.0	27.993	Sagging	**6.1573E-6**	0.28751	251.31E-6	-	1.6460E+6	0 (Negligible)
	Max Settlement	DH-6	1	0.0	27.993	Sagging	6.1573E-6	**0.28751**	251.31E-6	-	1.6460E+6	0 (Negligible)
	Max Tensile Strain	DH-6	1	0.0	27.993	Sagging	6.1573E-6	0.28751	**251.31E-6**	-	1.6460E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-6	2	27.993	32.706	Hogging	6.1573E-6	0.23441	13.125E-6	**2.5316E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-6	1	0.0	27.993	Sagging	6.1573E-6	0.28751	251.31E-6	-	**1.6460E+6**	0 (Negligible)
DH-7	Max Slope	DH-7	1	0.0	12.506	Sagging	**27.414E-6**	0.29634	377.69E-6	-	157750.	0 (Negligible)
	Max Settlement	DH-7	1	0.0	12.506	Sagging	27.414E-6	**0.29634**	377.69E-6	-	157750.	0 (Negligible)
	Max Tensile Strain	DH-7	1	0.0	12.506	Sagging	27.414E-6	0.29634	**377.69E-6**	-	157750.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	DH-7	1	0.0	12.506	Sagging	27.414E-6	0.29634	377.69E-6	-	**157750.**	0 (Negligible)
DH-8	Max Slope	DH-8	1	0.0	8.7220	Sagging	**0.0**	0.28655	12.267E-6	-	7.9026E+6	0 (Negligible)
	Max Settlement	DH-8	1	0.0	8.7220	Sagging	0.0	**0.28655**	12.267E-6	-	7.9026E+6	0 (Negligible)
	Max Tensile Strain	DH-8	1	0.0	8.7220	Sagging	0.0	0.28655	**12.267E-6**	-	7.9026E+6	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	DH-8	1	0.0	8.7220	Sagging	0.0	0.28655	12.267E-6	-	**7.9026E+6**	0 (Negligible)

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: GVA-1 | Sub-structure: GVA-1

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	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0 d
0.48595	9.22654	89.03772	100.50000	0.0	0.0	0.0	0.0 d
0.97189	9.20108	88.55244	100.50000	0.0	0.0	0.0	0.0 d
1.4578	9.17562	88.06716	100.50000	0.0	0.0	0.0	0.0 d
1.9438	9.15016	87.58188	100.50000	0.0	0.0	0.0	0.0 d
2.4297	9.12470	87.09660	100.50000	0.0	0.0	0.0	0.0 d
2.9157	9.09924	86.61132	100.50000	0.0	0.0	0.0	0.0 d
3.4016	9.07378	86.12604	100.50000	0.0	0.0	0.0	0.0 d
3.8876	9.04832	85.64076	100.50000	0.0	0.0	0.0	0.0 d
4.3735	9.02286	85.15548	100.50000	0.0	0.0	0.0	0.0 d
4.8595	8.99740	84.67020	100.50000	0.0	0.0	0.0	0.0 d
5.3454	8.97194	84.18492	100.50000	0.0	0.0	0.0	0.0 d
5.8314	8.94648	83.69964	100.50000	0.0	0.0	0.0	0.0 d
6.3173	8.92102	83.21436	100.50000	0.0	0.0	0.0	0.0 d
6.8033	8.89556	82.72908	100.50000	0.0	0.0	0.0	0.0 d
7.2892	8.87010	82.24380	100.50000	0.0	0.0	0.0	0.0 d
7.7752	8.84464	81.75852	100.50000	0.0	0.0	0.0	0.0 d
8.2611	8.81918	81.27324	100.50000	0.0	0.0	0.0	0.0 d
8.7471	8.79372	80.78796	100.50000	0.0	0.0	0.0	0.0 d
9.2330	8.76826	80.30268	100.50000	0.0	0.0	0.0	0.0 d
9.7189	8.74280	79.81740	100.50000	0.0	0.0	0.0	0.0 d
10.205	8.71734	79.33212	100.50000	0.0	0.0	0.0	0.0 d
10.691	8.69188	78.84684	100.50000	0.0	0.0	0.0	0.0 d
11.177	8.66642	78.36156	100.50000	0.0	0.0	0.0	0.0 d
11.663	8.64096	77.87628	100.50000	0.0	0.0	0.0	0.0 d
12.149	8.61550	77.39100	100.50000	0.0	0.0	0.0	0.0 d
12.635	8.59004	76.90572	100.50000	0.0	0.0	0.0	0.0 d
13.121	8.56458	76.42044	100.50000	0.0	0.0	0.0	0.0 d
13.607	8.53912	75.93516	100.50000	0.0	0.0	0.0	0.0 d
14.092	8.51366	75.44988	100.50000	0.0	0.0	0.0	0.0 d
14.578	8.48820	74.96460	100.50000	0.0	0.0	0.0	0.0 d
15.064	8.46274	74.47932	100.50000	0.0	0.0	0.0	0.0 d
15.550	8.43728	73.99404	100.50000	0.0	0.0	0.0	0.0 d
16.036	8.41182	73.50876	100.50000	0.0	0.0	0.0	0.0 d
16.522	8.38636	73.02348	100.50000	0.0	0.0	0.0	0.0 d
17.008	8.36090	72.53820	100.50000	0.0	0.0	0.0	0.0 d
17.494	8.33544	72.05292	100.50000	0.0	0.0	0.0	0.0 d
17.980	8.30998	71.56764	100.50000	0.0	0.0	0.0	0.0 d
18.466	8.28452	71.08236	100.50000	0.0	0.0	0.0	0.0 d
18.952	8.25906	70.59708	100.50000	0.0	0.0	0.0	0.0 d
19.438	8.23360	70.11180	100.50000	0.0	0.0	0.0	0.0 d
19.924	8.20814	69.62652	100.50000	0.0	0.0	0.0	0.0 d
20.410	8.18268	69.14124	100.50000	0.0	0.0	0.0	0.0 d
20.896	8.15722	68.65596	100.50000	0.0	0.0	0.0	0.0 d
21.382	8.13176	68.17068	100.50000	0.0	0.0	0.0	0.0 d
21.868	8.10630	67.68540	100.50000	0.0	0.0	0.0	0.0 d
22.354	8.08084	67.20012	100.50000	0.0	0.0	0.0	0.0 d
22.840	8.05538	66.71484	100.50000	0.0	0.0	0.0	0.0 d
23.325	8.02992	66.22956	100.50000	0.0	0.0	0.0	0.0 d
23.811	8.00446	65.74428	100.50000	0.0	0.0	0.0	0.0 d
24.297	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

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	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d
0.48050	7.95067	64.77933	100.50000	0.0	0.0	0.0	0.0 d
0.96101	7.92233	64.29967	100.50000	0.0	0.0	0.0	0.0 d
1.4415	7.89400	63.82000	100.50000	0.0	0.0	0.0	0.0 d
1.9220	7.86567	63.34033	100.50000	0.0	0.0	0.0	0.0 d
2.4025	7.83733	62.86067	100.50000	0.0	0.0	0.0	0.0 d
2.8830	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

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	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d
0.47715	8.28487	62.34613	100.50000	0.0	0.0	0.0	0.0 d
0.95430	8.76075	62.31125	100.50000	0.0	0.0	0.0	0.0 d
1.4315	9.23663	62.27638	100.50000	0.0	0.0	0.0	0.0 d
1.9086	9.71250	62.24150	100.50000	0.0	0.0	0.0	0.0 d
2.3858	10.18838	62.20662	100.50000	0.0	0.0	0.0	0.0 d
2.8629	10.66425	62.17175	100.50000	0.0	0.0	0.0	0.0 d
3.3401	11.14012	62.13687	100.50000	0.0	0.0	0.0	0.0 d
3.8172	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

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	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d
0.47359	11.65050	62.57433	100.50000	0.0	0.0	0.0	0.0 d
0.94718	11.68500	63.04667	100.50000	0.0	0.0	0.0	0.0 d
1.4208	11.71950	63.51900	100.50000	0.0	0.0	0.0	0.0 d
1.8944	11.75400	63.99133	100.50000	0.0	0.0	0.0	0.0 d
2.3680	11.78850	64.46367	100.50000	0.0	0.0	0.0	0.0 d
2.8415	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

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	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d
0.48843	12.31013	64.90031	100.50000	0.0	0.0	0.0	0.0 d
0.97686	12.79725	64.86463	100.50000	0.0	0.0	0.0	0.0 d
1.4653	13.28438	64.82894	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
1.9537	13.77150	64.79325	100.50000	0.0	0.0	0.0	0.0 d
2.4422	14.25863	64.75756	100.50000	0.0	0.0	0.0	0.0 d
2.9306	14.74575	64.72187	100.50000	0.0	0.0	0.0	0.0 d
3.4190	15.23288	64.68619	100.50000	0.0	0.0	0.0	0.0 d
3.9074	15.72000	64.65050	100.50000	0.0	0.0	0.0	0.0 d
4.3959	16.20713	64.61481	100.50000	0.0	0.0	0.0	0.0 d
4.8843	16.69425	64.57913	100.50000	0.0	0.0	0.0	0.0 d
5.3727	17.18138	64.54344	100.50000	0.0	0.0	0.0	0.0 d
5.8612	17.66850	64.50775	100.50000	0.0	0.0	0.0	0.0 d
6.3496	18.15563	64.47206	100.50000	0.0	0.0	0.0	0.0 d
6.8380	18.64275	64.43637	100.50000	0.0	0.0	0.0	0.0 d
7.3265	19.12988	64.40069	100.50000	0.0	0.0	0.0	0.0 d
7.8149	19.61700	64.36500	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.61700	64.36500	100.50000	0.0	0.0	0.0	0.0 d
0.49248	19.58100	63.87383	100.50000	0.0	0.0	0.0	0.0 d
0.98497	19.54500	63.38267	100.50000	0.0	0.0	0.0	0.0 d
1.4775	19.50900	62.89150	100.50000	0.0	0.0	0.0	0.0 d
1.9699	19.47300	62.40033	100.50000	0.0	0.0	0.0	0.0 d
2.4624	19.43700	61.90917	100.50000	0.0	0.0	0.0	0.0 d
2.9549	19.40100	61.41800	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.40100	61.41800	100.50000	0.0	0.0	0.0	0.0 d
0.46449	19.86425	61.38412	100.50000	0.0	0.0	0.0	0.0 d
0.92897	20.32750	61.35025	100.50000	0.0	0.0	0.0	0.0 d
1.3935	20.79075	61.31638	100.50000	0.0	0.0	0.0	0.0 d
1.8579	21.25400	61.28250	100.50000	0.0	0.0	0.0	0.0 d
2.3224	21.71725	61.24862	100.50000	0.0	0.0	0.0	0.0 d
2.7869	22.18050	61.21475	100.50000	0.0	0.0	0.0	0.0 d
3.2514	22.64375	61.18088	100.50000	0.0	0.0	0.0	0.0 d
3.7159	23.10700	61.14700	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.10700	61.14700	100.50000	0.0	0.0	0.0	0.0 d
0.49250	23.13267	61.63883	100.50000	0.0	0.0	0.0	0.0 d
0.98501	23.15833	62.13067	100.50000	0.0	0.0	0.0	0.0 d
1.4775	23.18400	62.62250	100.50000	0.0	0.0	0.0	0.0 d
1.9700	23.20967	63.11433	100.50000	0.0	0.0	0.0	0.0 d
2.4625	23.23533	63.60617	100.50000	0.0	0.0	0.0	0.0 d
2.9550	23.26100	64.09800	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.26100	64.09800	100.50000	0.0	0.0	0.0	0.0 d
0.49313	23.28670	64.59046	100.50000	0.0	0.0	0.0	0.0 d
0.98626	23.31240	65.08292	100.50000	0.0	0.0	0.0	0.0 d
1.4794	23.33810	65.57538	100.50000	0.0	0.0	0.0	0.0 d
1.9725	23.36380	66.06784	100.50000	0.0	0.0	0.0	0.0 d
2.4657	23.38950	66.56030	100.50000	0.0	0.0	0.0	0.0 d
2.9588	23.41520	67.05276	100.50000	0.0	0.0	0.0	0.0 d
3.4519	23.44090	67.54522	100.50000	0.0	0.0	0.0	0.0 d
3.9450	23.46660	68.03768	100.50000	0.0	0.0	0.0	0.0 d
4.4382	23.49230	68.53014	100.50000	0.0	0.0	0.0	0.0 d
4.9313	23.51800	69.02260	100.50000	0.0	0.0	0.0	0.0 d
5.4244	23.54370	69.51506	100.50000	0.0	0.0	0.0	0.0 d
5.9176	23.56940	70.00752	100.50000	0.0	0.0	0.0	0.0 d
6.4107	23.59510	70.49998	100.50000	0.0	0.0	0.0	0.0 d
6.9038	23.62080	70.99244	100.50000	0.0	0.0	0.0	0.0 d
7.3970	23.64650	71.48490	100.50000	0.0	0.0	0.0	0.0 d
7.8901	23.67220	71.97736	100.50000	0.0	0.0	0.0	0.0 d
8.3832	23.69790	72.46982	100.50000	0.0	0.0	0.0	0.0 d
8.8763	23.72360	72.96228	100.50000	0.0	0.0	0.0	0.0 d
9.3695	23.74930	73.45474	100.50000	0.0	0.0	0.0	0.0 d
9.8626	23.77500	73.94720	100.50000	0.0	0.0	0.0	0.0 d
10.356	23.80070	74.43966	100.50000	0.0	0.0	0.0	0.0 d
10.849	23.82640	74.93212	100.50000	0.0	0.0	0.0	0.0 d
11.342	23.85210	75.42458	100.50000	0.0	0.0	0.0	0.0 d
11.835	23.87780	75.91704	100.50000	0.0	0.0	0.0	0.0 d
12.328	23.90350	76.40950	100.50000	0.0	0.0	0.0	0.0 d
12.821	23.92920	76.90196	100.50000	0.0	0.0	0.0	0.0 d
13.315	23.95490	77.39442	100.50000	0.0	0.0	0.0	0.0 d
13.808	23.98060	77.88688	100.50000	0.0	0.0	0.0	0.0 d
14.301	24.00630	78.37934	100.50000	0.0	0.0	0.0	0.0 d
14.794	24.03200	78.87180	100.50000	0.0	0.0	0.0	0.0 d
15.287	24.05770	79.36426	100.50000	0.0	0.0	0.0	0.0 d
15.780	24.08340	79.85672	100.50000	0.0	0.0	0.0	0.0 d
16.273	24.10910	80.34918	100.50000	0.0	0.0	0.0	0.0 d
16.766	24.13480	80.84164	100.50000	0.0	0.0	0.0	0.0 d
17.260	24.16050	81.33410	100.50000	0.0	0.0	0.0	0.0 d
17.753	24.18620	81.82656	100.50000	0.0	0.0	0.0	0.0 d
18.246	24.21190	82.31902	100.50000	0.0	0.0	0.0	0.0 d
18.739	24.23760	82.81148	100.50000	0.0	0.0	0.0	0.0 d
19.232	24.26330	83.30394	100.50000	0.0	0.0	0.0	0.0 d
19.725	24.28900	83.79640	100.50000	0.0	0.0	0.0	0.0 d
20.218	24.31470	84.28886	100.50000	0.0	0.0	0.0	0.0 d
20.711	24.34040	84.78132	100.50000	0.0	0.0	0.0	0.0 d
21.205	24.36610	85.27378	100.50000	0.0	0.0	0.0	0.0 d
21.698	24.39180	85.76624	100.50000	0.0	0.0	0.0	0.0 d
22.191	24.41750	86.25870	100.50000	0.0	0.0	0.0	0.0 d
22.684	24.44320	86.75116	100.50000	0.0	0.0	0.0	0.0 d
23.177	24.46890	87.24362	100.50000	0.0	0.0	0.0	0.0 d
23.670	24.49460	87.73608	100.50000	0.0	0.0	0.0	0.0 d
24.163	24.52030	88.22854	100.50000	0.0	0.0	0.0	0.0 d
24.657	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement	Horizontal displacement

							Displacements	
							Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]		[mm]	[mm]	
0.0	24.54600	88.72100	100.50000	0.0	0.0		0.0	0.0	d
0.47859	24.06806	88.74606	100.50000	0.0	0.0		0.0	0.0	d
0.95719	23.59013	88.77112	100.50000	0.0	0.0		0.0	0.0	d
1.4358	23.11219	88.79619	100.50000	0.0	0.0		0.0	0.0	d
1.9144	22.63425	88.82125	100.50000	0.0	0.0		0.0	0.0	d
2.3930	22.15631	88.84631	100.50000	0.0	0.0		0.0	0.0	d
2.8716	21.67837	88.87138	100.50000	0.0	0.0		0.0	0.0	d
3.3502	21.20044	88.89644	100.50000	0.0	0.0		0.0	0.0	d
3.8288	20.72250	88.92150	100.50000	0.0	0.0		0.0	0.0	d
4.3073	20.24456	88.94656	100.50000	0.0	0.0		0.0	0.0	d
4.7859	19.76662	88.97163	100.50000	0.0	0.0		0.0	0.0	d
5.2645	19.28869	88.99669	100.50000	0.0	0.0		0.0	0.0	d
5.7431	18.81075	89.02175	100.50000	0.0	0.0		0.0	0.0	d
6.2217	18.33281	89.04681	100.50000	0.0	0.0		0.0	0.0	d
6.7003	17.85488	89.07188	100.50000	0.0	0.0		0.0	0.0	d
7.1789	17.37694	89.09694	100.50000	0.0	0.0		0.0	0.0	d
7.6575	16.89900	89.12200	100.50000	0.0	0.0		0.0	0.0	d
8.1361	16.42106	89.14706	100.50000	0.0	0.0		0.0	0.0	d
8.6147	15.94313	89.17212	100.50000	0.0	0.0		0.0	0.0	d
9.0933	15.46519	89.19719	100.50000	0.0	0.0		0.0	0.0	d
9.5719	14.98725	89.22225	100.50000	0.0	0.0		0.0	0.0	d
10.050	14.50931	89.24731	100.50000	0.0	0.0		0.0	0.0	d
10.529	14.03138	89.27237	100.50000	0.0	0.0		0.0	0.0	d
11.008	13.55344	89.29744	100.50000	0.0	0.0		0.0	0.0	d
11.486	13.07550	89.32250	100.50000	0.0	0.0		0.0	0.0	d
11.965	12.59756	89.34756	100.50000	0.0	0.0		0.0	0.0	d
12.443	12.11963	89.37262	100.50000	0.0	0.0		0.0	0.0	d
12.922	11.64169	89.39769	100.50000	0.0	0.0		0.0	0.0	d
13.401	11.16375	89.42275	100.50000	0.0	0.0		0.0	0.0	d
13.879	10.68581	89.44781	100.50000	0.0	0.0		0.0	0.0	d
14.358	10.20788	89.47288	100.50000	0.0	0.0		0.0	0.0	d
14.836	9.72994	89.49794	100.50000	0.0	0.0		0.0	0.0	d
15.315	9.25200	89.52300	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

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	28.56700	64.11000	100.50000	0.0	0.0		0.0	0.0	d
0.49454	29.06094	64.13431	100.50000	0.0	0.0		0.0	0.0	d
0.98907	29.55487	64.15863	100.50000	0.0	0.0		0.0	0.0	d
1.4836	30.04881	64.18294	100.50000	0.0	0.0		0.0	0.0	d
1.9781	30.54275	64.20725	100.50000	0.0	0.0		0.0	0.0	d
2.4727	31.03669	64.23156	100.50000	0.0	0.0		0.0	0.0	d
2.9672	31.53063	64.25588	100.50000	0.0	0.0		0.0	0.0	d
3.4617	32.02456	64.28019	100.50000	0.0	0.0		0.0	0.0	d
3.9563	32.51850	64.30450	100.50000	0.0	0.0		0.0	0.0	d
4.4508	33.01244	64.32881	100.50000	0.0	0.0		0.0	0.0	d
4.9454	33.50637	64.35312	100.50000	0.0	0.0		0.0	0.0	d
5.4399	34.00031	64.37744	100.50000	0.0	0.0		0.0	0.0	d
5.9344	34.49425	64.40175	100.50000	0.0	0.0		0.0	0.0	d
6.4290	34.98819	64.42606	100.50000	0.0	0.0		0.0	0.0	d
6.9235	35.48212	64.45037	100.50000	0.0	0.0		0.0	0.0	d
7.4180	35.97606	64.47469	100.50000	0.0	0.0		0.0	0.0	d
7.9126	36.47000	64.49900	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

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	36.47000	64.49900	100.50000	0.0	0.0		0.0	0.0	d
0.49291	36.44014	64.99100	100.50000	0.0	0.0		0.0	0.0	d
0.98581	36.41029	65.48300	100.50000	0.0	0.0		0.0	0.0	d
1.4787	36.38043	65.97500	100.50000	0.0	0.0		0.0	0.0	d
1.9716	36.35057	66.46700	100.50000	0.0	0.0		0.0	0.0	d
2.4645	36.32071	66.95900	100.50000	0.0	0.0		0.0	0.0	d
2.9574	36.29086	67.45100	100.50000	0.0	0.0		0.0	0.0	d
3.4503	36.26100	67.94300	100.50000	0.0	0.0		0.0	0.0	d
3.9432	36.23114	68.43500	100.50000	0.0	0.0		0.0	0.0	d
4.4361	36.20129	68.92700	100.50000	0.0	0.0		0.0	0.0	d
4.9291	36.17143	69.41900	100.50000	0.0	0.0		0.0	0.0	d
5.4220	36.14157	69.91100	100.50000	0.0	0.0		0.0	0.0	d
5.9149	36.11171	70.40300	100.50000	0.0	0.0		0.0	0.0	d
6.4078	36.08186	70.89500	100.50000	0.0	0.0		0.0	0.0	d
6.9007	36.05200	71.38700	100.50000	0.0	0.0		0.0	0.0	d
7.3936	36.02214	71.87900	100.50000	0.0	0.0		0.0	0.0	d
7.8865	35.99229	72.37100	100.50000	0.0	0.0		0.0	0.0	d
8.3794	35.96243	72.86300	100.50000	0.0	0.0		0.0	0.0	d
8.8723	35.93257	73.35500	100.50000	0.0	0.0		0.0	0.0	d
9.3652	35.90271	73.84700	100.50000	0.0	0.0		0.0	0.0	d
9.8581	35.87286	74.33900	100.50000	0.0	0.0		0.0	0.0	d
10.351	35.84300	74.83100	100.50000	0.0	0.0		0.0	0.0	d
10.844	35.81314	75.32300	100.50000	0.0	0.0		0.0	0.0	d
11.337	35.78329	75.81500	100.50000	0.0	0.0		0.0	0.0	d
11.830	35.75343	76.30700	100.50000	0.0	0.0		0.0	0.0	d
12.323	35.72357	76.79900	100.50000	0.0	0.0		0.0	0.0	d
12.816	35.69371	77.29100	100.50000	0.0	0.0		0.0	0.0	d
13.308	35.66386	77.78300	100.50000	0.0	0.0		0.0	0.0	d
13.801	35.63400	78.27500	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

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	35.63400	78.27500	100.50000	0.0	0.0		0.0	0.0	d
0.47806	35.15681	78.24606	100.50000	0.0	0.0		0.0	0.0	d
0.95613	34.67963	78.21713	100.50000	0.0	0.0		0.0	0.0	d
1.4342	34.20244	78.18819	100.50000	0.0	0.0		0.0	0.0	d
1.9123	33.72525	78.15925	100.50000	0.0	0.0		0.0	0.0	d
2.3903	33.24806	78.13031	100.50000	0.0	0.0		0.0	0.0	d
2.8684	32.77087	78.10138	100.50000	0.0	0.0		0.0	0.0	d
3.3464	32.29369	78.07244	100.50000	0.0	0.0		0.0	0.0	d
3.8245	31.81650	78.04350	100.50000	0.0	0.0		0.0	0.0	d
4.3026	31.33931	78.01456	100.50000	0.0	0.0		0.0	0.0	d
4.7806	30.86212	77.98562	100.50000	0.0	0.0		0.0	0.0	d
5.2587	30.38494	77.95669	100.50000	0.0	0.0		0.0	0.0	d
5.7368	29.90775	77.92775	100.50000	0.0	0.0		0.0	0.0	d
6.2148	29.43056	77.89881	100.50000	0.0	0.0		0.0	0.0	d
6.6929	28.95338	77.86987	100.50000	0.0	0.0		0.0	0.0	d
7.1710	28.47619	77.84094	100.50000	0.0	0.0		0.0	0.0	d
7.6490	27.99900	77.81200	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

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	27.99900	77.81200	100.50000	0.0	0.0		0.0	0.0	d
0.48978	28.01929	77.32264	100.50000	0.0	0.0		0.0	0.0	d
0.97955	28.03957	76.83329	100.50000	0.0	0.0		0.0	0.0	d
1.4693	28.05986	76.34393	100.50000	0.0	0.0		0.0	0.0	d
1.9591	28.08014	75.85457	100.50000	0.0	0.0		0.0	0.0	d
2.4489	28.10043	75.36521	100.50000	0.0	0.0		0.0	0.0	d
2.9387	28.12071	74.87586	100.50000	0.0	0.0		0.0	0.0	d
3.4284	28.14100	74.38650	100.50000	0.0	0.0		0.0	0.0	d
3.9182	28.16129	73.89714	100.50000	0.0	0.0		0.0	0.0	d
4.4080	28.18157	73.40779	100.50000	0.0	0.0		0.0	0.0	d
4.8978	28.20186	72.91843	100.50000	0.0	0.0		0.0	0.0	d
5.3876	28.22214	72.42907	100.50000	0.0	0.0		0.0	0.0	d
5.8773	28.24243	71.93971	100.50000	0.0	0.0		0.0	0.0	d
6.3671	28.26271	71.45036	100.50000	0.0	0.0		0.0	0.0	d
6.8569	28.28300	70.96100	100.50000	0.0	0.0		0.0	0.0	d
7.3467	28.30329	70.47164	100.50000	0.0	0.0		0.0	0.0	d
7.8364	28.32357	69.98229	100.50000	0.0	0.0		0.0	0.0	d
8.3262	28.34386	69.49293	100.50000	0.0	0.0		0.0	0.0	d
8.8160	28.36414	69.00357	100.50000	0.0	0.0		0.0	0.0	d
9.3058	28.38443	68.51421	100.50000	0.0	0.0		0.0	0.0	d
9.7955	28.40471	68.02486	100.50000	0.0	0.0		0.0	0.0	d
10.285	28.42500	67.53550	100.50000	0.0	0.0		0.0	0.0	d
10.775	28.44529	67.04614	100.50000	0.0	0.0		0.0	0.0	d
11.265	28.46557	66.55679	100.50000	0.0	0.0		0.0	0.0	d
11.755	28.48586	66.06743	100.50000	0.0	0.0		0.0	0.0	d
12.244	28.50614	65.57807	100.50000	0.0	0.0		0.0	0.0	d
12.734	28.52643	65.08871	100.50000	0.0	0.0		0.0	0.0	d
13.224	28.54671	64.59936	100.50000	0.0	0.0		0.0	0.0	d
13.714	28.56700	64.11000	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

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	44.60300	87.23400	100.50000	0.0	0.0		0.0	0.0	d
0.48563	44.63204	86.74924	100.50000	0.0	0.0		0.0	0.0	d
0.97126	44.66109	86.26448	100.50000	0.0	0.0		0.0	0.0	d
1.4569	44.69013	85.77972	100.50000	0.0	0.0		0.0	0.0	d
1.9425	44.71917	85.29496	100.50000	0.0	0.0		0.0	0.0	d
2.4282	44.74822	84.81020	100.50000	0.0	0.0		0.0	0.0	d
2.9138	44.77726	84.32543	100.50000	0.0	0.0		0.0	0.0	d
3.3994	44.80630	83.84067	100.50000	0.0	0.0		0.0	0.0	d
3.8850	44.83535	83.35591	100.50000	0.0	0.0		0.0	0.0	d
4.3707	44.86439	82.87115	100.50000	0.0	0.0		0.0	0.0	d
4.8563	44.89343	82.38639	100.50000	0.0	0.0		0.0	0.0	d
5.3419	44.92248	81.90163	100.50000	0.0	0.0		0.0	0.0	d
5.8276	44.95152	81.41687	100.50000	0.0	0.0		0.0	0.0	d
6.3132	44.98057	80.93211	100.50000	0.0	0.0		0.0	0.0	d
6.7988	45.00961	80.44735	100.50000	0.0	0.0		0.0	0.0	d
7.2845	45.03865	79.96259	100.50000	0.0	0.0		0.0	0.0	d
7.7701	45.06770	79.47783	100.50000	0.0	0.0		0.0	0.0	d
8.2557	45.09674	78.99307	100.50000	0.0	0.0		0.0	0.0	d
8.7413	45.12578	78.50830	100.50000	0.0	0.0		0.0	0.0	d
9.2270	45.15483	78.02354	100.50000	0.0	0.0		0.0	0.0	d
9.7126	45.18387	77.53878	100.50000	0.0	0.0		0.0	0.0	d
10.198	45.21291	77.05402	100.50000	0.0	0.0		0.0	0.0	d
10.684	45.24196	76.56926	100.50000	0.0	0.0		0.0	0.0	d
11.169	45.27100	76.08450	100.50000	0.0	0.0		0.0	0.0	d
11.655	45.30004	75.59974	100.50000	0.0	0.0		0.0	0.0	d
12.141	45.32909	75.11498	100.50000	0.0	0.0		0.0	0.0	d
12.626	45.35813	74.63022	100.50000	0.0	0.0		0.0	0.0	d
13.112	45.38717	74.14546	100.50000	0.0	0.0		0.0	0.0	d
13.598	45.41622	73.66070	100.50000	0.0	0.0		0.0	0.0	d
14.083	45.44526	73.17593	100.50000	0.0	0.0		0.0	0.0	d
14.569	45.47430	72.69117	100.50000	0.0	0.0		0.0	0.0	d
15.055	45.50335	72.20641	100.50000	0.0	0.0		0.0	0.0	d
15.540	45.53239	71.72165	100.50000	0.0	0.0		0.0	0.0	d
16.026	45.56143	71.23689	100.50000	0.0	0.0		0.0	0.0	d
16.511	45.59048	70.75213	100.50000	0.0	0.0		0.0	0.0	d
16.997	45.61952	70.26737	100.50000	0.0	0.0		0.0	0.0	d
17.483	45.64857	69.78261	100.50000	0.0	0.0		0.0	0.0	d
17.968	45.67761	69.29785	100.50000	0.0	0.0		0.0	0.0	d
18.454	45.70665	68.81309	100.50000	0.0	0.0		0.0	0.0	d
18.940	45.73570	68.32833	100.50000	0.0	0.0		0.0	0.0	d
19.425	45.76474	67.84357	100.50000	0.0	0.0		0.0	0.0	d
19.911	45.79378	67.35880	100.50000	0.0	0.0		0.0	0.0	d
20.396	45.82283	66.87404	100.50000	0.0	0.0		0.0	0.0	d
20.882	45.85187	66.38928	100.50000	0.0	0.0		0.0	0.0	d
21.368	45.88091	65.90452	100.50000	0.0	0.0		0.0	0.0	d
21.853	45.90996	65.41976	100.50000	0.0	0.0		0.0	0.0	d
22.339	45.93900	64.93500	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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	45.93900	64.93500	100.50000	0.0	0.0		0.0	0.0	d
0.49257	46.43032	64.97005	100.50000	0.0	0.0		0.0	0.0	d
0.98513	46.92163	65.00510	100.50000	0.0	0.0		0.0	0.0	d
1.4777	47.41295	65.04014	100.50000	0.0	0.0		0.0	0.0	d
1.9703	47.90427	65.07519	100.50000	0.0	0.0		0.0	0.0	d
2.4628	48.39559	65.11024	100.50000	0.0	0.0		0.0	0.0	d
2.9554	48.88690	65.14529	100.50000	0.0	0.0		0.0	0.0	d
3.4480	49.37822	65.18034	100.50000	0.0	0.0		0.0	0.0	d
3.9405	49.86954	65.21538	100.50000	0.0	0.0		0.0	0.0	d
4.4331	50.36086	65.25043	100.50000	0.0	0.0		0.0	0.0	d
4.9257	50.85217	65.28548	100.50000	0.0	0.0		0.0	0.0	d
5.4182	51.34349	65.32053	100.50000	0.0	0.0		0.0	0.0	d
5.9108	51.83481	65.35558	100.50000	0.0	0.0		0.0	0.0	d
6.4034	52.32612	65.39063	100.50000	0.0	0.0		0.0	0.0	d
6.8959	52.81744	65.42567	100.50000	0.0	0.0		0.0	0.0	d
7.3885	53.30876	65.46072	100.50000	0.0	0.0		0.0	0.0	d
7.8811	53.80008	65.49577	100.50000	0.0	0.0		0.0	0.0	d
8.3736	54.29139	65.53082	100.50000	0.0	0.0		0.0	0.0	d
8.8662	54.78271	65.56587	100.50000	0.0	0.0		0.0	0.0	d
9.3588	55.27403	65.60091	100.50000	0.0	0.0		0.0	0.0	d
9.8513	55.76535	65.63596	100.50000	0.0	0.0		0.0	0.0	d
10.344	56.25666	65.67101	100.50000	0.0	0.0		0.0	0.0	d
10.836	56.74798	65.70606	100.50000	0.0	0.0		0.0	0.0	d
11.329	57.23930	65.74111	100.50000	0.0	0.0		0.0	0.0	d
11.822	57.73062	65.77615	100.50000	0.0	0.0		0.0	0.0	d
12.314	58.22193	65.81120	100.50000	0.0	0.0		0.0	0.0	d
12.807	58.71325	65.84625	100.50000	0.0	0.0		0.0	0.0	d
13.299	59.20457	65.88130	100.50000	0.0	0.0		0.0	0.0	d
13.792	59.69588	65.91635	100.50000	0.0	0.0		0.0	0.0	d
14.284	60.18720	65.95139	100.50000	0.0	0.0		0.0	0.0	d
14.777	60.67852	65.98644	100.50000	0.0	0.0		0.0	0.0	d
15.270	61.16984	66.02149	100.50000	0.0	0.0		0.0	0.0	d
15.762	61.66115	66.05654	100.50000	0.0	0.0		0.0	0.0	d
16.255	62.15247	66.09159	100.50000	0.0	0.0		0.0	0.0	d
16.747	62.64379	66.12663	100.50000	0.0	0.0		0.0	0.0	d
17.240	63.13511	66.16168	100.50000	0.0	0.0		0.0	0.0	d
17.732	63.62642	66.19673	100.50000	0.0	0.0		0.0	0.0	d
18.225	64.11774	66.23178	100.50000	0.0	0.0		0.0	0.0	d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
18.718	64.60906	66.26683	100.50000	0.0	0.0	0.0	0.0 d
19.210	65.10038	66.30187	100.50000	0.0	0.0	0.0	0.0 d
19.703	65.59169	66.33692	100.50000	0.0	0.0	0.0	0.0 d
20.195	66.08301	66.37197	100.50000	0.0	0.0	0.0	0.0 d
20.688	66.57433	66.40702	100.50000	0.0	0.0	0.0	0.0 d
21.180	67.06564	66.44207	100.50000	0.0	0.0	0.0	0.0 d
21.673	67.55696	66.47712	100.50000	0.0	0.0	0.0	0.0 d
22.165	68.04828	66.51216	100.50000	0.0	0.0	0.0	0.0 d
22.658	68.53960	66.54721	100.50000	0.0	0.0	0.0	0.0 d
23.151	69.03091	66.58226	100.50000	0.0	0.0	0.0	0.0 d
23.643	69.52223	66.61731	100.50000	0.0	0.0	0.0	0.0 d
24.136	70.01355	66.65236	100.50000	0.0	0.0	0.0	0.0 d
24.628	70.50487	66.68740	100.50000	0.0	0.0	0.0	0.0 d
25.121	70.99618	66.72245	100.50000	0.0	0.0	0.0	0.0 d
25.613	71.48750	66.75750	100.50000	0.0	0.0	0.0	0.0 d
26.106	71.97882	66.79255	100.50000	0.0	0.0	0.0	0.0 d
26.599	72.47013	66.82760	100.50000	0.0	0.0	0.0	0.0 d
27.091	72.96145	66.86264	100.50000	0.0	0.0	0.0	0.0 d
27.584	73.45277	66.89769	100.50000	0.0	0.0	0.0	0.0 d
28.076	73.94409	66.93274	100.50000	0.0	0.0	0.0	0.0 d
28.569	74.43540	66.96779	100.50000	0.0	0.0	0.0	0.0 d
29.061	74.92672	67.00284	100.50000	0.0	0.0	0.0	0.0 d
29.554	75.41804	67.03788	100.50000	0.0	0.0	0.0	0.0 d
30.047	75.90936	67.07293	100.50000	0.0	0.0	0.0	0.0 d
30.539	76.40067	67.10798	100.50000	0.0	0.0	0.0	0.0 d
31.032	76.89199	67.14303	100.50000	0.0	0.0	0.0	0.0 d
31.524	77.38331	67.17808	100.50000	0.0	0.0	0.0	0.0 d
32.017	77.87463	67.21313	100.50000	0.0	0.0	0.0	0.0 d
32.509	78.36594	67.24817	100.50000	0.0	0.0	0.0	0.0 d
33.002	78.85726	67.28322	100.50000	0.0	0.0	0.0	0.0 d
33.494	79.34858	67.31827	100.50000	0.0	0.0	0.0	0.0 d
33.987	79.83989	67.35332	100.50000	0.0	0.0	0.0	0.0 d
34.480	80.33121	67.38837	100.50000	0.0	0.0	0.0	0.0 d
34.972	80.82253	67.42341	100.50000	0.0	0.0	0.0	0.0 d
35.465	81.31385	67.45846	100.50000	0.0	0.0	0.0	0.0 d
35.957	81.80516	67.49351	100.50000	0.0	0.0	0.0	0.0 d
36.450	82.29648	67.52856	100.50000	0.0	0.0	0.0	0.0 d
36.942	82.78780	67.56361	100.50000	0.0	0.0	0.0	0.0 d
37.435	83.27912	67.59865	100.50000	0.0	0.0	0.0	0.0 d
37.928	83.77043	67.63370	100.50000	0.0	0.0	0.0	0.0 d
38.420	84.26175	67.66875	100.50000	0.0	0.0	0.0	0.0 d
38.913	84.75307	67.70380	100.50000	0.0	0.0	0.0	0.0 d
39.405	85.24438	67.73885	100.50000	0.0	0.0	0.0	0.0 d
39.898	85.73570	67.77389	100.50000	0.0	0.0	0.0	0.0 d
40.390	86.22702	67.80894	100.50000	0.0	0.0	0.0	0.0 d
40.883	86.71834	67.84399	100.50000	0.0	0.0	0.0	0.0 d
41.376	87.20965	67.87904	100.50000	0.0	0.0	0.0	0.0 d
41.868	87.70097	67.91409	100.50000	0.0	0.0	0.0	0.0 d
42.361	88.19229	67.94913	100.50000	0.0	0.0	0.0	0.0 d
42.853	88.68361	67.98418	100.50000	0.0	0.0	0.0	0.0 d
43.346	89.17492	68.01923	100.50000	0.0	0.0	0.0	0.0 d
43.838	89.66624	68.05428	100.50000	0.0	0.0	0.0	0.0 d
44.331	90.15756	68.08933	100.50000	0.0	0.0	0.0	0.0 d
44.823	90.64888	68.12438	100.50000	0.0	0.0	0.0	0.0 d
45.316	91.14019	68.15942	100.50000	0.0	0.0	0.0	0.0 d
45.809	91.63151	68.19447	100.50000	0.0	0.0	0.0	0.0 d
46.301	92.12283	68.22952	100.50000	0.0	0.0	0.0	0.0 d
46.794	92.61414	68.26457	100.50000	0.0	0.0	0.0	0.0 d
47.286	93.10546	68.29962	100.50000	0.0	0.0	0.0	0.0 d
47.779	93.59678	68.33466	100.50000	0.0	0.0	0.0	0.0 d
48.271	94.08810	68.36971	100.50000	0.0	0.0	0.0	0.0 d
48.764	94.57941	68.40476	100.50000	0.0	0.0	0.0	0.0 d
49.257	95.07073	68.43981	100.50000	0.0	0.0	0.0	0.0 d
49.749	95.56205	68.47486	100.50000	0.0	0.0	0.0	0.0 d
50.242	96.05337	68.50990	100.50000	0.0	0.0	0.0	0.0 d
50.734	96.54468	68.54495	100.50000	0.0	0.0	0.0	0.0 d
51.227	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d
0.48909	96.99859	69.06765	100.50000	0.0	0.0	0.0	0.0 d
0.97817	96.96117	69.55530	100.50000	0.0	0.0	0.0	0.0 d
1.4673	96.92376	70.04296	100.50000	0.0	0.0	0.0	0.0 d
1.9563	96.88635	70.53061	100.50000	0.0	0.0	0.0	0.0 d
2.4454	96.84893	71.01826	100.50000	0.0	0.0	0.0	0.0 d
2.9345	96.81152	71.50591	100.50000	0.0	0.0	0.0	0.0 d
3.4236	96.77411	71.99357	100.50000	0.0	0.0	0.0	0.0 d
3.9127	96.73670	72.48122	100.50000	0.0	0.0	0.0	0.0 d
4.4018	96.69928	72.96887	100.50000	0.0	0.0	0.0	0.0 d
4.8909	96.66187	73.45652	100.50000	0.0	0.0	0.0	0.0 d
5.3799	96.62446	73.94417	100.50000	0.0	0.0	0.0	0.0 d
5.8690	96.58704	74.43183	100.50000	0.0	0.0	0.0	0.0 d
6.3581	96.54963	74.91948	100.50000	0.0	0.0	0.0	0.0 d
6.8472	96.51222	75.40713	100.50000	0.0	0.0	0.0	0.0 d
7.3363	96.47480	75.89478	100.50000	0.0	0.0	0.0	0.0 d
7.8254	96.43739	76.38243	100.50000	0.0	0.0	0.0	0.0 d
8.3144	96.39998	76.87009	100.50000	0.0	0.0	0.0	0.0 d
8.8035	96.36257	77.35774	100.50000	0.0	0.0	0.0	0.0 d
9.2926	96.32515	77.84539	100.50000	0.0	0.0	0.0	0.0 d
9.7817	96.28774	78.33304	100.50000	0.0	0.0	0.0	0.0 d
10.271	96.25033	78.82070	100.50000	0.0	0.0	0.0	0.0 d
10.760	96.21291	79.30835	100.50000	0.0	0.0	0.0	0.0 d
11.249	96.17550	79.79600	100.50000	0.0	0.0	0.0	0.0 d
11.738	96.13809	80.28365	100.50000	0.0	0.0	0.0	0.0 d
12.227	96.10067	80.77130	100.50000	0.0	0.0	0.0	0.0 d
12.716	96.06326	81.25896	100.50000	0.0	0.0	0.0	0.0 d
13.205	96.02585	81.74661	100.50000	0.0	0.0	0.0	0.0 d
13.694	95.98843	82.23426	100.50000	0.0	0.0	0.0	0.0 d
14.183	95.95102	82.72191	100.50000	0.0	0.0	0.0	0.0 d
14.673	95.91361	83.20957	100.50000	0.0	0.0	0.0	0.0 d
15.162	95.87620	83.69722	100.50000	0.0	0.0	0.0	0.0 d
15.651	95.83878	84.18487	100.50000	0.0	0.0	0.0	0.0 d
16.140	95.80137	84.67252	100.50000	0.0	0.0	0.0	0.0 d
16.629	95.76396	85.16017	100.50000	0.0	0.0	0.0	0.0 d
17.118	95.72654	85.64783	100.50000	0.0	0.0	0.0	0.0 d
17.607	95.68913	86.13548	100.50000	0.0	0.0	0.0	0.0 d
18.096	95.65172	86.62313	100.50000	0.0	0.0	0.0	0.0 d
18.585	95.61430	87.11078	100.50000	0.0	0.0	0.0	0.0 d
19.074	95.57689	87.59843	100.50000	0.0	0.0	0.0	0.0 d
19.563	95.53948	88.08609	100.50000	0.0	0.0	0.0	0.0 d
20.052	95.50207	88.57374	100.50000	0.0	0.0	0.0	0.0 d
20.542	95.46465	89.06139	100.50000	0.0	0.0	0.0	0.0 d
21.031	95.42724	89.54904	100.50000	0.0	0.0	0.0	0.0 d
21.520	95.38983	90.03670	100.50000	0.0	0.0	0.0	0.0 d
22.009	95.35241	90.52435	100.50000	0.0	0.0	0.0	0.0 d
22.498	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d
0.47118	94.84520	90.97595	100.50000	0.0	0.0	0.0	0.0 d
0.94236	94.37540	90.93990	100.50000	0.0	0.0	0.0	0.0 d
1.4135	93.90560	90.90385	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
1.8847	93.43580	90.86780	100.50000	0.0	0.0	0.0	0.0 d
2.3559	92.96600	90.83175	100.50000	0.0	0.0	0.0	0.0 d
2.8271	92.49620	90.79570	100.50000	0.0	0.0	0.0	0.0 d
3.2983	92.02640	90.75965	100.50000	0.0	0.0	0.0	0.0 d
3.7694	91.55660	90.72360	100.50000	0.0	0.0	0.0	0.0 d
4.2406	91.08680	90.68755	100.50000	0.0	0.0	0.0	0.0 d
4.7118	90.61700	90.65150	100.50000	0.0	0.0	0.0	0.0 d
5.1830	90.14720	90.61545	100.50000	0.0	0.0	0.0	0.0 d
5.6542	89.67740	90.57940	100.50000	0.0	0.0	0.0	0.0 d
6.1254	89.20760	90.54335	100.50000	0.0	0.0	0.0	0.0 d
6.5965	88.73780	90.50730	100.50000	0.0	0.0	0.0	0.0 d
7.0677	88.26800	90.47125	100.50000	0.0	0.0	0.0	0.0 d
7.5389	87.79820	90.43520	100.50000	0.0	0.0	0.0	0.0 d
8.0101	87.32840	90.39915	100.50000	0.0	0.0	0.0	0.0 d
8.4813	86.85860	90.36310	100.50000	0.0	0.0	0.0	0.0 d
8.9524	86.38880	90.32705	100.50000	0.0	0.0	0.0	0.0 d
9.4236	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

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	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d
0.48006	85.95573	89.81235	100.50000	0.0	0.0	0.0	0.0 d
0.96012	85.99246	89.33369	100.50000	0.0	0.0	0.0	0.0 d
1.4402	86.02919	88.85504	100.50000	0.0	0.0	0.0	0.0 d
1.9202	86.06592	88.37638	100.50000	0.0	0.0	0.0	0.0 d
2.4003	86.10265	87.89773	100.50000	0.0	0.0	0.0	0.0 d
2.8804	86.13938	87.41908	100.50000	0.0	0.0	0.0	0.0 d
3.3604	86.17612	86.94042	100.50000	0.0	0.0	0.0	0.0 d
3.8405	86.21285	86.46177	100.50000	0.0	0.0	0.0	0.0 d
4.3205	86.24958	85.98312	100.50000	0.0	0.0	0.0	0.0 d
4.8006	86.28631	85.50446	100.50000	0.0	0.0	0.0	0.0 d
5.2807	86.32304	85.02581	100.50000	0.0	0.0	0.0	0.0 d
5.7607	86.35977	84.54715	100.50000	0.0	0.0	0.0	0.0 d
6.2408	86.39650	84.06850	100.50000	0.0	0.0	0.0	0.0 d
6.7209	86.43323	83.58985	100.50000	0.0	0.0	0.0	0.0 d
7.2009	86.46996	83.11119	100.50000	0.0	0.0	0.0	0.0 d
7.6810	86.50669	82.63254	100.50000	0.0	0.0	0.0	0.0 d
8.1610	86.54342	82.15388	100.50000	0.0	0.0	0.0	0.0 d
8.6411	86.58015	81.67523	100.50000	0.0	0.0	0.0	0.0 d
9.1212	86.61688	81.19658	100.50000	0.0	0.0	0.0	0.0 d
9.6012	86.65362	80.71792	100.50000	0.0	0.0	0.0	0.0 d
10.081	86.69035	80.23927	100.50000	0.0	0.0	0.0	0.0 d
10.561	86.72708	79.76062	100.50000	0.0	0.0	0.0	0.0 d
11.041	86.76381	79.28196	100.50000	0.0	0.0	0.0	0.0 d
11.521	86.80054	78.80331	100.50000	0.0	0.0	0.0	0.0 d
12.002	86.83727	78.32465	100.50000	0.0	0.0	0.0	0.0 d
12.482	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

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	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d
0.49556	86.37989	77.80809	100.50000	0.0	0.0	0.0	0.0 d
0.99112	85.88579	77.77018	100.50000	0.0	0.0	0.0	0.0 d
1.4867	85.39168	77.73227	100.50000	0.0	0.0	0.0	0.0 d
1.9822	84.89758	77.69436	100.50000	0.0	0.0	0.0	0.0 d
2.4778	84.40347	77.65645	100.50000	0.0	0.0	0.0	0.0 d
2.9733	83.90936	77.61855	100.50000	0.0	0.0	0.0	0.0 d
3.4689	83.41526	77.58064	100.50000	0.0	0.0	0.0	0.0 d
3.9645	82.92115	77.54273	100.50000	0.0	0.0	0.0	0.0 d
4.4600	82.42705	77.50482	100.50000	0.0	0.0	0.0	0.0 d
4.9556	81.93294	77.46691	100.50000	0.0	0.0	0.0	0.0 d
5.4511	81.43883	77.42900	100.50000	0.0	0.0	0.0	0.0 d
5.9467	80.94473	77.39109	100.50000	0.0	0.0	0.0	0.0 d
6.4423	80.45062	77.35318	100.50000	0.0	0.0	0.0	0.0 d
6.9378	79.95652	77.31527	100.50000	0.0	0.0	0.0	0.0 d
7.4334	79.46241	77.27736	100.50000	0.0	0.0	0.0	0.0 d
7.9289	78.96830	77.23945	100.50000	0.0	0.0	0.0	0.0 d
8.4245	78.47420	77.20155	100.50000	0.0	0.0	0.0	0.0 d
8.9200	77.98009	77.16364	100.50000	0.0	0.0	0.0	0.0 d
9.4156	77.48598	77.12573	100.50000	0.0	0.0	0.0	0.0 d
9.9112	76.99188	77.08782	100.50000	0.0	0.0	0.0	0.0 d
10.407	76.49777	77.04991	100.50000	0.0	0.0	0.0	0.0 d
10.902	76.00367	77.01200	100.50000	0.0	0.0	0.0	0.0 d
11.398	75.50956	76.97409	100.50000	0.0	0.0	0.0	0.0 d
11.893	75.01545	76.93618	100.50000	0.0	0.0	0.0	0.0 d
12.389	74.52135	76.89827	100.50000	0.0	0.0	0.0	0.0 d
12.885	74.02724	76.86036	100.50000	0.0	0.0	0.0	0.0 d
13.380	73.53314	76.82245	100.50000	0.0	0.0	0.0	0.0 d
13.876	73.03903	76.78455	100.50000	0.0	0.0	0.0	0.0 d
14.371	72.54492	76.74664	100.50000	0.0	0.0	0.0	0.0 d
14.867	72.05082	76.70873	100.50000	0.0	0.0	0.0	0.0 d
15.362	71.55671	76.67082	100.50000	0.0	0.0	0.0	0.0 d
15.858	71.06261	76.63291	100.50000	0.0	0.0	0.0	0.0 d
16.353	70.56850	76.59500	100.50000	0.0	0.0	0.0	0.0 d
16.849	70.07439	76.55709	100.50000	0.0	0.0	0.0	0.0 d
17.345	69.58029	76.51918	100.50000	0.0	0.0	0.0	0.0 d
17.840	69.08618	76.48127	100.50000	0.0	0.0	0.0	0.0 d
18.336	68.59208	76.44336	100.50000	0.0	0.0	0.0	0.0 d
18.831	68.09797	76.40545	100.50000	0.0	0.0	0.0	0.0 d
19.327	67.60386	76.36755	100.50000	0.0	0.0	0.0	0.0 d
19.822	67.10976	76.32964	100.50000	0.0	0.0	0.0	0.0 d
20.318	66.61565	76.29173	100.50000	0.0	0.0	0.0	0.0 d
20.813	66.12155	76.25382	100.50000	0.0	0.0	0.0	0.0 d
21.309	65.62744	76.21591	100.50000	0.0	0.0	0.0	0.0 d
21.805	65.13333	76.17800	100.50000	0.0	0.0	0.0	0.0 d
22.300	64.63923	76.14009	100.50000	0.0	0.0	0.0	0.0 d
22.796	64.14512	76.10218	100.50000	0.0	0.0	0.0	0.0 d
23.291	63.65102	76.06427	100.50000	0.0	0.0	0.0	0.0 d
23.787	63.15691	76.02636	100.50000	0.0	0.0	0.0	0.0 d
24.282	62.66280	75.98845	100.50000	0.0	0.0	0.0	0.0 d
24.778	62.16870	75.95055	100.50000	0.0	0.0	0.0	0.0 d
25.273	61.67459	75.91264	100.50000	0.0	0.0	0.0	0.0 d
25.769	61.18048	75.87473	100.50000	0.0	0.0	0.0	0.0 d
26.265	60.68638	75.83682	100.50000	0.0	0.0	0.0	0.0 d
26.760	60.19227	75.79891	100.50000	0.0	0.0	0.0	0.0 d
27.256	59.69817	75.76100	100.50000	0.0	0.0	0.0	0.0 d
27.751	59.20406	75.72309	100.50000	0.0	0.0	0.0	0.0 d
28.247	58.70995	75.68518	100.50000	0.0	0.0	0.0	0.0 d
28.742	58.21585	75.64727	100.50000	0.0	0.0	0.0	0.0 d
29.238	57.72174	75.60936	100.50000	0.0	0.0	0.0	0.0 d
29.733	57.22764	75.57145	100.50000	0.0	0.0	0.0	0.0 d
30.229	56.73353	75.53355	100.50000	0.0	0.0	0.0	0.0 d
30.725	56.23942	75.49564	100.50000	0.0	0.0	0.0	0.0 d
31.220	55.74532	75.45773	100.50000	0.0	0.0	0.0	0.0 d
31.716	55.25121	75.41982	100.50000	0.0	0.0	0.0	0.0 d
32.211	54.75711	75.38191	100.50000	0.0	0.0	0.0	0.0 d
32.707	54.26300	75.34400	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

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	54.26300	75.34400	100.50000	0.0	0.0	0.0	0.0	d
0.48103	54.22619	75.82362	100.50000	0.0	0.0	0.0	0.0	d
0.96205	54.18938	76.30323	100.50000	0.0	0.0	0.0	0.0	d
1.4431	54.15258	76.78285	100.50000	0.0	0.0	0.0	0.0	d
1.9241	54.11577	77.26246	100.50000	0.0	0.0	0.0	0.0	d
2.4051	54.07896	77.74208	100.50000	0.0	0.0	0.0	0.0	d
2.8862	54.04215	78.22169	100.50000	0.0	0.0	0.0	0.0	d
3.3672	54.00535	78.70131	100.50000	0.0	0.0	0.0	0.0	d
3.8482	53.96854	79.18092	100.50000	0.0	0.0	0.0	0.0	d
4.3292	53.93173	79.66054	100.50000	0.0	0.0	0.0	0.0	d
4.8103	53.89492	80.14015	100.50000	0.0	0.0	0.0	0.0	d
5.2913	53.85812	80.61977	100.50000	0.0	0.0	0.0	0.0	d
5.7723	53.82131	81.09938	100.50000	0.0	0.0	0.0	0.0	d
6.2533	53.78450	81.57900	100.50000	0.0	0.0	0.0	0.0	d
6.7344	53.74769	82.05862	100.50000	0.0	0.0	0.0	0.0	d
7.2154	53.71088	82.53823	100.50000	0.0	0.0	0.0	0.0	d
7.6964	53.67408	83.01785	100.50000	0.0	0.0	0.0	0.0	d
8.1774	53.63727	83.49746	100.50000	0.0	0.0	0.0	0.0	d
8.6585	53.60046	83.97708	100.50000	0.0	0.0	0.0	0.0	d
9.1395	53.56365	84.45669	100.50000	0.0	0.0	0.0	0.0	d
9.6205	53.52685	84.93631	100.50000	0.0	0.0	0.0	0.0	d
10.102	53.49004	85.41592	100.50000	0.0	0.0	0.0	0.0	d
10.583	53.45323	85.89554	100.50000	0.0	0.0	0.0	0.0	d
11.064	53.41642	86.37515	100.50000	0.0	0.0	0.0	0.0	d
11.545	53.37962	86.85477	100.50000	0.0	0.0	0.0	0.0	d
12.026	53.34281	87.33438	100.50000	0.0	0.0	0.0	0.0	d
12.507	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

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	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0	d
0.48457	52.82250	87.78178	100.50000	0.0	0.0	0.0	0.0	d
0.96915	52.33900	87.74956	100.50000	0.0	0.0	0.0	0.0	d
1.4537	51.85550	87.71733	100.50000	0.0	0.0	0.0	0.0	d
1.9383	51.37200	87.68511	100.50000	0.0	0.0	0.0	0.0	d
2.4229	50.88850	87.65289	100.50000	0.0	0.0	0.0	0.0	d
2.9074	50.40500	87.62067	100.50000	0.0	0.0	0.0	0.0	d
3.3920	49.92150	87.58844	100.50000	0.0	0.0	0.0	0.0	d
3.8766	49.43800	87.55622	100.50000	0.0	0.0	0.0	0.0	d
4.3612	48.95450	87.52400	100.50000	0.0	0.0	0.0	0.0	d
4.8457	48.47100	87.49178	100.50000	0.0	0.0	0.0	0.0	d
5.3303	47.98750	87.45956	100.50000	0.0	0.0	0.0	0.0	d
5.8149	47.50400	87.42733	100.50000	0.0	0.0	0.0	0.0	d
6.2994	47.02050	87.39511	100.50000	0.0	0.0	0.0	0.0	d
6.7840	46.53700	87.36289	100.50000	0.0	0.0	0.0	0.0	d
7.2686	46.05350	87.33067	100.50000	0.0	0.0	0.0	0.0	d
7.7532	45.57000	87.29844	100.50000	0.0	0.0	0.0	0.0	d
8.2377	45.08650	87.26622	100.50000	0.0	0.0	0.0	0.0	d
8.7223	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: GVA-1 | Sub-structure: GVA-1

Dist.	Coordinates			Displacements	
	x	y	z	z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	9.25200	89.52300	100.50000	0.031887	d
0.48595	9.22654	89.03772	100.50000	0.031630	d
0.97189	9.20108	88.55244	100.50000	0.031349	d
1.4578	9.17562	88.06716	100.50000	0.031043	d
1.9438	9.15016	87.58188	100.50000	0.030712	d
2.4297	9.12470	87.09660	100.50000	0.030355	d
2.9157	9.09924	86.61132	100.50000	0.029970	d
3.4016	9.07378	86.12604	100.50000	0.029558	d
3.8876	9.04832	85.64076	100.50000	0.029117	d
4.3735	9.02286	85.15548	100.50000	0.028646	d
4.8595	8.99740	84.67020	100.50000	0.028144	d
5.3454	8.97194	84.18492	100.50000	0.027612	d
5.8314	8.94648	83.69964	100.50000	0.027047	d
6.3173	8.92102	83.21436	100.50000	0.026450	d
6.8033	8.89556	82.72908	100.50000	0.025818	d
7.2892	8.87010	82.24380	100.50000	0.025152	d
7.7752	8.84464	81.75852	100.50000	0.024451	d
8.2611	8.81918	81.27324	100.50000	0.023713	d
8.7471	8.79372	80.78796	100.50000	0.022939	d
9.2330	8.76826	80.30268	100.50000	0.022127	d
9.7189	8.74280	79.81740	100.50000	0.021276	d
10.205	8.71734	79.33212	100.50000	0.020387	d
10.691	8.69188	78.84684	100.50000	0.019458	d
11.177	8.66642	78.36156	100.50000	0.018489	d
11.663	8.64096	77.87628	100.50000	0.017480	d
12.149	8.61550	77.39100	100.50000	0.016429	d
12.635	8.59004	76.90572	100.50000	0.015337	d
13.121	8.56458	76.42044	100.50000	0.014203	d
13.607	8.53912	75.93516	100.50000	0.013026	d
14.092	8.51366	75.44988	100.50000	0.011808	d
14.578	8.48820	74.96460	100.50000	0.010546	d
15.064	8.46274	74.47932	100.50000	0.0092423	d
15.550	8.43728	73.99404	100.50000	0.0078958	d
16.036	8.41182	73.50876	100.50000	0.0065069	d
16.522	8.38636	73.02348	100.50000	0.0050758	d
17.008	8.36090	72.53820	100.50000	0.0036028	d
17.494	8.33544	72.05292	100.50000	0.0020884	d
17.980	8.30998	71.56764	100.50000	533.21E-6	d
18.466	8.28452	71.08236	100.50000	-0.0010622	d
18.952	8.25906	70.59708	100.50000	-0.0026968	d
19.438	8.23360	70.11180	100.50000	-0.0043699	d
19.924	8.20814	69.62652	100.50000	-0.0060803	d
20.410	8.18268	69.14124	100.50000	-0.0078267	d
20.896	8.15722	68.65596	100.50000	-0.0096077	d
21.382	8.13176	68.17068	100.50000	-0.011422	d
21.868	8.10630	67.68540	100.50000	-0.013268	d
22.354	8.08084	67.20012	100.50000	-0.015143	d
22.840	8.05538	66.71484	100.50000	-0.017046	d
23.325	8.02992	66.22956	100.50000	-0.018974	d
23.811	8.00446	65.74428	100.50000	-0.020925	d
24.297	7.97900	65.25900	100.50000	-0.022898	d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

Dist.	Coordinates			Displacements	
	x	y	z	z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	7.97900	65.25900	100.50000	-0.022898	d
0.48050	7.95067	64.77933	100.50000	-0.024837	d
0.96101	7.92233	64.29967	100.50000	-0.026789	d
1.4415	7.89400	63.82000	100.50000	-0.028752	d
1.9220	7.86567	63.34033	100.50000	-0.030722	d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
2.4025	7.83733	62.86067	100.50000	-0.032695	d
2.8830	7.80900	62.38100	100.50000	-0.034670	d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	7.80900	62.38100	100.50000	-0.034670	d
0.47715	8.28487	62.34613	100.50000	-0.039893	d
0.95430	8.76075	62.31125	100.50000	-0.045461	d
1.4315	9.23663	62.27638	100.50000	-0.051394	d
1.9086	9.71250	62.24150	100.50000	-0.057715	d
2.3858	10.18838	62.20662	100.50000	-0.064448	d
2.8629	10.66425	62.17175	100.50000	-0.071616	d
3.3401	11.14012	62.13687	100.50000	-0.079248	d
3.8172	11.61600	62.10200	100.50000	-0.087371	d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	11.61600	62.10200	100.50000	-0.087371	d
0.47359	11.65050	62.57433	100.50000	-0.083943	d
0.94718	11.68500	63.04667	100.50000	-0.080518	d
1.4208	11.71950	63.51900	100.50000	-0.077101	d
1.8944	11.75400	63.99133	100.50000	-0.073699	d
2.3680	11.78850	64.46367	100.50000	-0.070316	d
2.8415	11.82300	64.93600	100.50000	-0.066957	d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	11.82300	64.93600	100.50000	-0.066957	d
0.48843	12.31013	64.90031	100.50000	-0.074207	d
0.97686	12.79725	64.86463	100.50000	-0.081912	d
1.4653	13.28438	64.82894	100.50000	-0.090098	d
1.9537	13.77150	64.79325	100.50000	-0.098792	d
2.4422	14.25863	64.75756	100.50000	-0.10802	d
2.9306	14.74575	64.72187	100.50000	-0.11782	d
3.4190	15.23288	64.68619	100.50000	-0.12822	d
3.9074	15.72000	64.65050	100.50000	-0.13926	d
4.3959	16.20713	64.61481	100.50000	-0.15096	d
4.8843	16.69425	64.57913	100.50000	-0.16337	d
5.3727	17.18138	64.54344	100.50000	-0.17652	d
5.8612	17.66850	64.50775	100.50000	-0.19046	d
6.3496	18.15563	64.47206	100.50000	-0.20522	d
6.8380	18.64275	64.43637	100.50000	-0.22086	d
7.3265	19.12988	64.40069	100.50000	-0.23741	d
7.8149	19.61700	64.36500	100.50000	-0.25494	d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.61700	64.36500	100.50000	-0.25494	d
0.49248	19.58100	63.87383	100.50000	-0.26641	d
0.98497	19.54500	63.38267	100.50000	-0.27807	d
1.4775	19.50900	62.89150	100.50000	-0.28991	d
1.9699	19.47300	62.40033	100.50000	-0.30191	d
2.4624	19.43700	61.90917	100.50000	-0.31405	d
2.9549	19.40100	61.41800	100.50000	-0.32630	d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.40100	61.41800	100.50000	-0.32630	d
0.46449	19.86425	61.38412	100.50000	-0.34928	d
0.92897	20.32750	61.35025	100.50000	-0.37363	d
1.3935	20.79075	61.31638	100.50000	-0.39944	d
1.8579	21.25400	61.28250	100.50000	-0.42679	d
2.3224	21.71725	61.24862	100.50000	-0.45576	d
2.7869	22.18050	61.21475	100.50000	-0.48645	d
3.2514	22.64375	61.18088	100.50000	-0.51896	d
3.7159	23.10700	61.14700	100.50000	-0.55338	d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.10700	61.14700	100.50000	-0.55338	d
0.49250	23.13267	61.63883	100.50000	-0.53030	d
0.98501	23.15833	62.13067	100.50000	-0.50764	d
1.4775	23.18400	62.62250	100.50000	-0.48546	d
1.9700	23.20967	63.11433	100.50000	-0.46378	d
2.4625	23.23533	63.60617	100.50000	-0.44263	d
2.9550	23.26100	64.09800	100.50000	-0.42203	d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.26100	64.09800	100.50000	-0.42203	d
0.49313	23.28670	64.59046	100.50000	-0.40197	d
0.98626	23.31240	65.08292	100.50000	-0.38249	d
1.4794	23.33810	65.57538	100.50000	-0.36360	d
1.9725	23.36380	66.06784	100.50000	-0.34530	d
2.4657	23.38950	66.56030	100.50000	-0.32761	d
2.9588	23.41520	67.05276	100.50000	-0.31051	d
3.4519	23.44090	67.54522	100.50000	-0.29402	d
3.9450	23.46660	68.03768	100.50000	-0.27811	d
4.4382	23.49230	68.53014	100.50000	-0.26280	d
4.9313	23.51800	69.02260	100.50000	-0.24806	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
5.4244	23.54370	69.51506	100.50000	-0.23390 d
5.9176	23.56940	70.00752	100.50000	-0.22029 d
6.4107	23.59510	70.49998	100.50000	-0.20724 d
6.9038	23.62080	70.99244	100.50000	-0.19472 d
7.3970	23.64650	71.48490	100.50000	-0.18273 d
7.8901	23.67220	71.97736	100.50000	-0.17125 d
8.3832	23.69790	72.46982	100.50000	-0.16026 d
8.8763	23.72360	72.96228	100.50000	-0.14976 d
9.3695	23.74930	73.45474	100.50000	-0.13973 d
9.8626	23.77500	73.94720	100.50000	-0.13014 d
10.356	23.80070	74.43966	100.50000	-0.12100 d
10.849	23.82640	74.93212	100.50000	-0.11227 d
11.342	23.85210	75.42458	100.50000	-0.10396 d
11.835	23.87780	75.91704	100.50000	-0.096039 d
12.328	23.90350	76.40950	100.50000	-0.088497 d
12.821	23.92920	76.90196	100.50000	-0.081320 d
13.315	23.95490	77.39442	100.50000	-0.074494 d
13.808	23.98060	77.88688	100.50000	-0.068004 d
14.301	24.00630	78.37934	100.50000	-0.061839 d
14.794	24.03200	78.87180	100.50000	-0.055983 d
15.287	24.05770	79.36426	100.50000	-0.050426 d
15.780	24.08340	79.85672	100.50000	-0.045154 d
16.273	24.10910	80.34918	100.50000	-0.040154 d
16.766	24.13480	80.84164	100.50000	-0.035417 d
17.260	24.16050	81.33410	100.50000	-0.030930 d
17.753	24.18620	81.82656	100.50000	-0.026681 d
18.246	24.21190	82.31902	100.50000	-0.022662 d
18.739	24.23760	82.81148	100.50000	-0.018861 d
19.232	24.26330	83.30394	100.50000	-0.015268 d
19.725	24.28900	83.79640	100.50000	-0.011875 d
20.218	24.31470	84.28886	100.50000	-0.0086710 d
20.711	24.34040	84.78132	100.50000	-0.0056485 d
21.205	24.36610	85.27378	100.50000	-0.0027986 d
21.698	24.39180	85.76624	100.50000	-113.34E-6 d
22.191	24.41750	86.25870	100.50000	0.0024152 d
22.684	24.44320	86.75116	100.50000	0.0047944 d
23.177	24.46890	87.24362	100.50000	0.0070314 d
23.670	24.49460	87.73608	100.50000	0.0091332 d
24.163	24.52030	88.22854	100.50000	0.011106 d
24.657	24.54600	88.72100	100.50000	0.012957 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	24.54600	88.72100	100.50000	0.012957 d
0.47859	24.06806	88.74606	100.50000	0.013953 d
0.95719	23.59013	88.77112	100.50000	0.014924 d
1.4358	23.11219	88.79619	100.50000	0.015868 d
1.9144	22.63425	88.82125	100.50000	0.016785 d
2.3930	22.15631	88.84631	100.50000	0.017676 d
2.8716	21.67837	88.87138	100.50000	0.018540 d
3.3502	21.20044	88.89644	100.50000	0.019376 d
3.8288	20.72250	88.92150	100.50000	0.020185 d
4.3073	20.24456	88.94656	100.50000	0.020967 d
4.7859	19.76662	88.97163	100.50000	0.021722 d
5.2645	19.28869	88.99669	100.50000	0.022449 d
5.7431	18.81075	89.02175	100.50000	0.023149 d
6.2217	18.33281	89.04681	100.50000	0.023822 d
6.7003	17.85488	89.07188	100.50000	0.024468 d
7.1789	17.37694	89.09694	100.50000	0.025088 d
7.6575	16.89900	89.12200	100.50000	0.025681 d
8.1361	16.42106	89.14706	100.50000	0.026248 d
8.6147	15.94313	89.17212	100.50000	0.026790 d
9.0933	15.46519	89.19719	100.50000	0.027305 d
9.5719	14.98725	89.22225	100.50000	0.027796 d
10.050	14.50931	89.24731	100.50000	0.028262 d
10.529	14.03138	89.27237	100.50000	0.028704 d
11.008	13.55344	89.29744	100.50000	0.029122 d
11.486	13.07550	89.32250	100.50000	0.029517 d
11.965	12.59756	89.34756	100.50000	0.029888 d
12.443	12.11963	89.37262	100.50000	0.030237 d
12.922	11.64169	89.39769	100.50000	0.030564 d
13.401	11.16375	89.42275	100.50000	0.030870 d
13.879	10.68581	89.44781	100.50000	0.031154 d
14.358	10.20788	89.47288	100.50000	0.031418 d
14.836	9.72994	89.49794	100.50000	0.031662 d
15.315	9.25200	89.52300	100.50000	0.031887 d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	28.56700	64.11000	100.50000	-0.78045 d
0.49454	29.06094	64.13431	100.50000	-0.82023 d
0.98907	29.55487	64.15863	100.50000	-0.86121 d
1.4836	30.04881	64.18294	100.50000	-0.90335 d
1.9781	30.54275	64.20725	100.50000	-0.94660 d
2.4727	31.03669	64.23156	100.50000	-0.99087 d
2.9672	31.53063	64.25588	100.50000	-1.0361 d
3.4617	32.02456	64.28019	100.50000	-1.0822 d
3.9563	32.51850	64.30450	100.50000	-1.1290 d
4.4508	33.01244	64.32881	100.50000	-1.1764 d
4.9454	33.50637	64.35312	100.50000	-1.2244 d
5.4399	34.00031	64.37744	100.50000	-1.2727 d
5.9344	34.49425	64.40175	100.50000	-1.3212 d
6.4290	34.98819	64.42606	100.50000	-1.3697 d
6.9235	35.48212	64.45037	100.50000	-1.4181 d
7.4180	35.97606	64.47469	100.50000	-1.4662 d
7.9126	36.47000	64.49900	100.50000	-1.5138 d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	36.47000	64.49900	100.50000	-1.5138 d
0.49291	36.44014	64.99100	100.50000	-1.4072 d
0.98581	36.41029	65.48300	100.50000	-1.3085 d
1.4787	36.38043	65.97500	100.50000	-1.2169 d
1.9716	36.35057	66.46700	100.50000	-1.1319 d
2.4645	36.32071	66.95900	100.50000	-1.0529 d
2.9574	36.29086	67.45100	100.50000	-0.97953 d
3.4503	36.26100	67.94300	100.50000	-0.91128 d
3.9432	36.23114	68.43500	100.50000	-0.84776 d
4.4361	36.20129	68.92700	100.50000	-0.78861 d
4.9291	36.17143	69.41900	100.50000	-0.73352 d
5.4220	36.14157	69.91100	100.50000	-0.68218 d
5.9149	36.11171	70.40300	100.50000	-0.63432 d
6.4078	36.08186	70.89500	100.50000	-0.58968 d
6.9007	36.05200	71.38700	100.50000	-0.54804 d
7.3936	36.02214	71.87900	100.50000	-0.50918 d
7.8865	35.99229	72.37100	100.50000	-0.47290 d
8.3794	35.96243	72.86300	100.50000	-0.43903 d
8.8723	35.93257	73.35500	100.50000	-0.40740 d
9.3652	35.90271	73.84700	100.50000	-0.37785 d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
9.8581	35.87286	74.33900	100.50000	-0.35025	d
10.351	35.84300	74.83100	100.50000	-0.32445	d
10.844	35.81314	75.32300	100.50000	-0.30034	d
11.337	35.78329	75.81500	100.50000	-0.27781	d
11.830	35.75343	76.30700	100.50000	-0.25674	d
12.323	35.72357	76.79900	100.50000	-0.23705	d
12.816	35.69371	77.29100	100.50000	-0.21864	d
13.308	35.66386	77.78300	100.50000	-0.20142	d
13.801	35.63400	78.27500	100.50000	-0.18532	d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	35.63400	78.27500	100.50000	-0.18532	d
0.47806	35.15681	78.24606	100.50000	-0.18092	d
0.95613	34.67963	78.21713	100.50000	-0.17643	d
1.4342	34.20244	78.18819	100.50000	-0.17187	d
1.9123	33.72525	78.15925	100.50000	-0.16724	d
2.3903	33.24806	78.13031	100.50000	-0.16256	d
2.8684	32.77087	78.10138	100.50000	-0.15784	d
3.3464	32.29369	78.07244	100.50000	-0.15307	d
3.8245	31.81650	78.04350	100.50000	-0.14828	d
4.3026	31.33931	78.01456	100.50000	-0.14347	d
4.7806	30.86212	77.98562	100.50000	-0.13865	d
5.2587	30.38494	77.95669	100.50000	-0.13382	d
5.7368	29.90775	77.92775	100.50000	-0.12900	d
6.2148	29.43056	77.89881	100.50000	-0.12419	d
6.6929	28.95338	77.86987	100.50000	-0.11941	d
7.1710	28.47619	77.84094	100.50000	-0.11465	d
7.6490	27.99900	77.81200	100.50000	-0.10992	d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	27.99900	77.81200	100.50000	-0.10992	d
0.48978	28.01929	77.32264	100.50000	-0.11986	d
0.97955	28.03957	76.83329	100.50000	-0.13041	d
1.4693	28.05986	76.34393	100.50000	-0.14160	d
1.9591	28.08014	75.85457	100.50000	-0.15347	d
2.4489	28.10043	75.36521	100.50000	-0.16606	d
2.9387	28.12071	74.87586	100.50000	-0.17942	d
3.4284	28.14100	74.38650	100.50000	-0.19358	d
3.9182	28.16129	73.89714	100.50000	-0.20859	d
4.4080	28.18157	73.40779	100.50000	-0.22450	d
4.8978	28.20186	72.91843	100.50000	-0.24136	d
5.3876	28.22214	72.42907	100.50000	-0.25921	d
5.8773	28.24243	71.93971	100.50000	-0.27813	d
6.3671	28.26271	71.45036	100.50000	-0.29816	d
6.8569	28.28300	70.96100	100.50000	-0.31936	d
7.3467	28.30329	70.47164	100.50000	-0.34180	d
7.8364	28.32357	69.98229	100.50000	-0.36555	d
8.3262	28.34386	69.49293	100.50000	-0.39067	d
8.8160	28.36414	69.00357	100.50000	-0.41724	d
9.3058	28.38443	68.51421	100.50000	-0.44533	d
9.7955	28.40471	68.02486	100.50000	-0.47502	d
10.285	28.42500	67.53550	100.50000	-0.50639	d
10.775	28.44529	67.04614	100.50000	-0.53953	d
11.265	28.46557	66.55679	100.50000	-0.57452	d
11.755	28.48586	66.06743	100.50000	-0.61145	d
12.244	28.50614	65.57807	100.50000	-0.65042	d
12.734	28.52643	65.08871	100.50000	-0.69151	d
13.224	28.54671	64.59936	100.50000	-0.73482	d
13.714	28.56700	64.11000	100.50000	-0.78045	d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	44.60300	87.23400	100.50000	-0.042364	d
0.48563	44.63204	86.74924	100.50000	-0.048601	d
0.97126	44.66109	86.26448	100.50000	-0.055287	d
1.4569	44.69013	85.77972	100.50000	-0.062451	d
1.9425	44.71917	85.29496	100.50000	-0.070129	d
2.4282	44.74822	84.81020	100.50000	-0.078354	d
2.9138	44.77726	84.32543	100.50000	-0.087165	d
3.3994	44.80630	83.84067	100.50000	-0.096604	d
3.8850	44.83535	83.35591	100.50000	-0.10671	d
4.3707	44.86439	82.87115	100.50000	-0.11754	d
4.8563	44.89343	82.38639	100.50000	-0.12914	d
5.3419	44.92248	81.90163	100.50000	-0.14157	d
5.8276	44.95152	81.41687	100.50000	-0.15487	d
6.3132	44.98057	80.93211	100.50000	-0.16913	d
6.7988	45.00961	80.44735	100.50000	-0.18440	d
7.2845	45.03865	79.96259	100.50000	-0.20075	d
7.7701	45.06770	79.47783	100.50000	-0.21828	d
8.2557	45.09674	78.99307	100.50000	-0.23705	d
8.7413	45.12578	78.50830	100.50000	-0.25717	d
9.2270	45.15483	78.02354	100.50000	-0.27874	d
9.7126	45.18387	77.53878	100.50000	-0.30185	d
10.198	45.21291	77.05402	100.50000	-0.32663	d
10.684	45.24196	76.56926	100.50000	-0.35320	d
11.169	45.27100	76.08450	100.50000	-0.38169	d
11.655	45.30004	75.59974	100.50000	-0.41226	d
12.141	45.32909	75.11498	100.50000	-0.44505	d
12.626	45.35813	74.63022	100.50000	-0.48024	d
13.112	45.38717	74.14546	100.50000	-0.51802	d
13.598	45.41622	73.66070	100.50000	-0.55858	d
14.083	45.44526	73.17593	100.50000	-0.60215	d
14.569	45.47430	72.69117	100.50000	-0.64896	d
15.055	45.50335	72.20641	100.50000	-0.69928	d
15.540	45.53239	71.72165	100.50000	-0.75337	d
16.026	45.56143	71.23689	100.50000	-0.81156	d
16.511	45.59048	70.75213	100.50000	-0.87417	d
16.997	45.61952	70.26737	100.50000	-0.94157	d
17.483	45.64857	69.78261	100.50000	-1.0142	d
17.968	45.67761	69.29785	100.50000	-1.0924	d
18.454	45.70665	68.81309	100.50000	-1.1767	d
18.940	45.73570	68.32833	100.50000	-1.2677	d
19.425	45.76474	67.84357	100.50000	-1.3660	d
19.911	45.79378	67.35880	100.50000	-1.4720	d
20.396	45.82283	66.87404	100.50000	-1.5867	d
20.882	45.85187	66.38928	100.50000	-1.7108	d
21.368	45.88091	65.90452	100.50000	-1.8451	d
21.853	45.90996	65.41976	100.50000	-1.9907	d
22.339	45.93900	64.93500	100.50000	-2.1486	d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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

Vertical Offset 1

	0.0	45.93900	64.93500	100.50000	-2.1486 d
0.49257	46.43032	64.97005	100.50000	-2.1557 d	
0.98513	46.92163	65.00510	100.50000	-2.1603 d	
1.4777	47.41295	65.04014	100.50000	-2.1624 d	
1.9703	47.90427	65.07519	100.50000	-2.1619 d	
2.4628	48.39559	65.11024	100.50000	-2.1590 d	
2.9554	48.88690	65.14529	100.50000	-2.1535 d	
3.4480	49.37822	65.18034	100.50000	-2.1456 d	
3.9405	49.86954	65.21538	100.50000	-2.1352 d	
4.4331	50.36086	65.25043	100.50000	-2.1225 d	
4.9257	50.85217	65.28548	100.50000	-2.1073 d	
5.4182	51.34349	65.32053	100.50000	-2.0898 d	
5.9108	51.83481	65.35558	100.50000	-2.0700 d	
6.4034	52.32612	65.39063	100.50000	-2.0480 d	
6.8959	52.81744	65.42567	100.50000	-2.0238 d	
7.3885	53.30876	65.46072	100.50000	-1.9975 d	
7.8811	53.80008	65.49577	100.50000	-1.9692 d	
8.3736	54.29139	65.53082	100.50000	-1.9389 d	
8.8662	54.78271	65.56587	100.50000	-1.9067 d	
9.3588	55.27403	65.60091	100.50000	-1.8727 d	
9.8513	55.76535	65.63596	100.50000	-1.8371 d	
10.344	56.25666	65.67101	100.50000	-1.7998 d	
10.836	56.74798	65.70606	100.50000	-1.7611 d	
11.329	57.23930	65.74111	100.50000	-1.7210 d	
11.822	57.73062	65.77615	100.50000	-1.6797 d	
12.314	58.22193	65.81120	100.50000	-1.6373 d	
12.807	58.71325	65.84625	100.50000	-1.5939 d	
13.299	59.20457	65.88130	100.50000	-1.5496 d	
13.792	59.69588	65.91635	100.50000	-1.5047 d	
14.284	60.18720	65.95139	100.50000	-1.4592 d	
14.777	60.67852	65.98644	100.50000	-1.4133 d	
15.270	61.16984	66.02149	100.50000	-1.3671 d	
15.762	61.66115	66.05654	100.50000	-1.3207 d	
16.255	62.15247	66.09159	100.50000	-1.2744 d	
16.747	62.64379	66.12663	100.50000	-1.2282 d	
17.240	63.13511	66.16168	100.50000	-1.1823 d	
17.732	63.62642	66.19673	100.50000	-1.1367 d	
18.225	64.11774	66.23178	100.50000	-1.0917 d	
18.718	64.60906	66.26683	100.50000	-1.0472 d	
19.210	65.10038	66.30187	100.50000	-1.0035 d	
19.703	65.59169	66.33692	100.50000	-0.96052 d	
20.195	66.08301	66.37197	100.50000	-0.91844 d	
20.688	66.57433	66.40702	100.50000	-0.87730 d	
21.180	67.06564	66.44207	100.50000	-0.83717 d	
21.673	67.55696	66.47712	100.50000	-0.79810 d	
22.165	68.04828	66.51216	100.50000	-0.76012 d	
22.658	68.53960	66.54721	100.50000	-0.72327 d	
23.151	69.03091	66.58226	100.50000	-0.68758 d	
23.643	69.52223	66.61731	100.50000	-0.65307 d	
24.136	70.01355	66.65236	100.50000	-0.61974 d	
24.628	70.50487	66.68740	100.50000	-0.58760 d	
25.121	70.99618	66.72245	100.50000	-0.55665 d	
25.613	71.48750	66.75750	100.50000	-0.52688 d	
26.106	71.97882	66.79255	100.50000	-0.49828 d	
26.599	72.47013	66.82760	100.50000	-0.47084 d	
27.091	72.96145	66.86264	100.50000	-0.44454 d	
27.584	73.45277	66.89769	100.50000	-0.41934 d	
28.076	73.94409	66.93274	100.50000	-0.39524 d	
28.569	74.43540	66.96779	100.50000	-0.37220 d	
29.061	74.92672	67.00284	100.50000	-0.35019 d	
29.554	75.41804	67.03788	100.50000	-0.32919 d	
30.047	75.90936	67.07293	100.50000	-0.30916 d	
30.539	76.40067	67.10798	100.50000	-0.29007 d	
31.032	76.89199	67.14303	100.50000	-0.27189 d	
31.524	77.38331	67.17808	100.50000	-0.25459 d	
32.017	77.87463	67.21313	100.50000	-0.23814 d	
32.509	78.36594	67.24817	100.50000	-0.22250 d	
33.002	78.85726	67.28322	100.50000	-0.20764 d	
33.494	79.34858	67.31827	100.50000	-0.19353 d	
33.987	79.83989	67.35332	100.50000	-0.18014 d	
34.480	80.33121	67.38837	100.50000	-0.16743 d	
34.972	80.82253	67.42341	100.50000	-0.15539 d	
35.465	81.31385	67.45846	100.50000	-0.14398 d	
35.957	81.80516	67.49351	100.50000	-0.13317 d	
36.450	82.29648	67.52856	100.50000	-0.12293 d	
36.942	82.78780	67.56361	100.50000	-0.11324 d	
37.435	83.27912	67.59865	100.50000	-0.10408 d	
37.928	83.77043	67.63370	100.50000	-0.095416 d	
38.420	84.26175	67.66875	100.50000	-0.087226 d	
38.913	84.75307	67.70380	100.50000	-0.079488 d	
39.405	85.24438	67.73885	100.50000	-0.072180 d	
39.898	85.73570	67.77389	100.50000	-0.065282 d	
40.390	86.22702	67.80894	100.50000	-0.058772 d	
40.883	86.71834	67.84399	100.50000	-0.052632 d	
41.376	87.20965	67.87904	100.50000	-0.046843 d	
41.868	87.70097	67.91409	100.50000	-0.041387 d	
42.361	88.19229	67.94913	100.50000	-0.036248 d	
42.853	88.68361	67.98418	100.50000	-0.031409 d	
43.346	89.17492	68.01923	100.50000	-0.026855 d	
43.838	89.66624	68.05428	100.50000	-0.022571 d	
44.331	90.15756	68.08933	100.50000	-0.018543 d	
44.823	90.64888	68.12438	100.50000	-0.014757 d	
45.316	91.14019	68.15942	100.50000	-0.011202 d	
45.809	91.63151	68.19447	100.50000	-0.0078649 d	
46.301	92.12283	68.22952	100.50000	-0.0047339 d	
46.794	92.61414	68.26457	100.50000	-0.0017982 d	
47.286	93.10546	68.29962	100.50000	952.46E-6 d	
47.779	93.59678	68.33466	100.50000	0.0035281 d	
48.271	94.08810	68.36971	100.50000	0.0059382 d	
48.764	94.57941	68.40476	100.50000	0.0081916 d	
49.257	95.07073	68.43981	100.50000	0.010297 d	
49.749	95.56205	68.47486	100.50000	0.012262 d	
50.242	96.05337	68.50990	100.50000	0.014094 d	
50.734	96.54468	68.54495	100.50000	0.015802 d	
51.227	97.03600	68.58000	100.50000	0.017391 d	

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

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

Vertical Offset 1

	0.0	97.03600	68.58000	100.50000	0.017391 d
0.48909	96.99859	69.06765	100.50000	0.018060 d	
0.97817	96.96117	69.55530	100.50000	0.018721 d	
1.4673	96.92376	70.04296	100.50000	0.019371 d	
1.9563	96.88635	70.53061	100.50000	0.020011 d	
2.4454	96.84893	71.01826	100.50000	0.020639 d	
2.9345	96.81152	71.50591	100.50000	0.021254 d	
3.4236	96.77411	71.99357	100.50000	0.021857 d	
3.9127	96.73670	72.48122	100.50000	0.022447 d	
4.4018	96.69928	72.96887	100.50000	0.023023 d	
4.8909	96.66187	73.45652	100.50000	0.023584 d	
5.3799	96.62446	73.94417	100.50000	0.024130 d	
5.8690	96.58704	74.43183	100.50000	0.024662 d	
6.3581	96.54963	74.91948	100.50000	0.025177 d	
6.8472	96.51222	75.40713	100.50000	0.025677 d	
7.3363	96.47480	75.89478	100.50000	0.026161 d	
7.8254	96.43739	76.38243	100.50000	0.026629 d	
8.3144	96.39998	76.87009	100.50000	0.027080 d	
8.8035	96.36257	77.35774	100.50000	0.027514 d	
9.2926	96.32515	77.84539	100.50000	0.027932 d	
9.7817	96.28774	78.33304	100.50000	0.028333 d	
10.271	96.25033	78.82070	100.50000	0.028717 d	
10.760	96.21291	79.30835	100.50000	0.029084 d	
11.249	96.17550	79.79600	100.50000	0.029435 d	

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
11.738	96.13809	80.28365	100.50000	0.029768	d
12.227	96.10067	80.77130	100.50000	0.030086	d
12.716	96.06326	81.25896	100.50000	0.030386	d
13.205	96.02585	81.74661	100.50000	0.030670	d
13.694	95.98843	82.23426	100.50000	0.030938	d
14.183	95.95102	82.72191	100.50000	0.031190	d
14.673	95.91361	83.20957	100.50000	0.031426	d
15.162	95.87620	83.69722	100.50000	0.031646	d
15.651	95.83878	84.18487	100.50000	0.031851	d
16.140	95.80137	84.67252	100.50000	0.032041	d
16.629	95.76396	85.16017	100.50000	0.032216	d
17.118	95.72654	85.64783	100.50000	0.032376	d
17.607	95.68913	86.13548	100.50000	0.032522	d
18.096	95.65172	86.62313	100.50000	0.032653	d
18.585	95.61430	87.11078	100.50000	0.032771	d
19.074	95.57689	87.59843	100.50000	0.032876	d
19.563	95.53948	88.08609	100.50000	0.032967	d
20.052	95.50207	88.57374	100.50000	0.033045	d
20.542	95.46465	89.06139	100.50000	0.033111	d
21.031	95.42724	89.54904	100.50000	0.033164	d
21.520	95.38983	90.03670	100.50000	0.033206	d
22.009	95.35241	90.52435	100.50000	0.033236	d
22.498	95.31500	91.01200	100.50000	0.033255	d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	95.31500	91.01200	100.50000	0.033255	d
0.47118	94.84520	90.97595	100.50000	0.033244	d
0.94236	94.37540	90.93990	100.50000	0.033221	d
1.4135	93.90560	90.90385	100.50000	0.033186	d
1.8847	93.43580	90.86780	100.50000	0.033137	d
2.3559	92.96600	90.83175	100.50000	0.033075	d
2.8271	92.49620	90.79570	100.50000	0.032998	d
3.2983	92.02640	90.75965	100.50000	0.032907	d
3.7694	91.55660	90.72360	100.50000	0.032801	d
4.2406	91.08680	90.68755	100.50000	0.032680	d
4.7118	90.61700	90.65150	100.50000	0.032542	d
5.1830	90.14720	90.61545	100.50000	0.032388	d
5.6542	89.67740	90.57940	100.50000	0.032217	d
6.1254	89.20760	90.54335	100.50000	0.032028	d
6.5965	88.73780	90.50730	100.50000	0.031822	d
7.0677	88.26800	90.47125	100.50000	0.031597	d
7.5389	87.79820	90.43520	100.50000	0.031353	d
8.0101	87.32840	90.39915	100.50000	0.031089	d
8.4813	86.85860	90.36310	100.50000	0.030806	d
8.9524	86.38880	90.32705	100.50000	0.030502	d
9.4236	85.91900	90.29100	100.50000	0.030177	d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	85.91900	90.29100	100.50000	0.030177	d
0.48006	85.95573	89.81235	100.50000	0.029754	d
0.96012	85.99246	89.33369	100.50000	0.029299	d
1.4402	86.02919	88.85504	100.50000	0.028811	d
1.9202	86.06592	88.37638	100.50000	0.028287	d
2.4003	86.10265	87.89773	100.50000	0.027728	d
2.8804	86.13938	87.41908	100.50000	0.027131	d
3.3604	86.17612	86.94042	100.50000	0.026496	d
3.8405	86.21285	86.46177	100.50000	0.025822	d
4.3205	86.24958	85.98312	100.50000	0.025106	d
4.8006	86.28631	85.50446	100.50000	0.024348	d
5.2807	86.32304	85.02581	100.50000	0.023547	d
5.7607	86.35977	84.54715	100.50000	0.022700	d
6.2408	86.39650	84.06850	100.50000	0.021808	d
6.7209	86.43323	83.58985	100.50000	0.020868	d
7.2009	86.46996	83.11119	100.50000	0.019879	d
7.6810	86.50669	82.63254	100.50000	0.018840	d
8.1610	86.54342	82.15388	100.50000	0.017750	d
8.6411	86.58015	81.67523	100.50000	0.016607	d
9.1212	86.61688	81.19658	100.50000	0.015411	d
9.6012	86.65362	80.71792	100.50000	0.014159	d
10.081	86.69035	80.23927	100.50000	0.012852	d
10.561	86.72708	79.76062	100.50000	0.011487	d
11.041	86.76381	79.28196	100.50000	0.010064	d
11.521	86.80054	78.80331	100.50000	0.0085813	d
12.002	86.83727	78.32465	100.50000	0.0070385	d
12.482	86.87400	77.84600	100.50000	0.0054345	d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	86.87400	77.84600	100.50000	0.0054345	d
0.49556	86.37989	77.80809	100.50000	0.0033393	d
0.99112	85.88579	77.77018	100.50000	0.0011298	d
1.4867	85.39168	77.73227	100.50000	-0.0011985	d
1.9822	84.89758	77.69436	100.50000	-0.0036496	d
2.4778	84.40347	77.65645	100.50000	-0.0062280	d
2.9733	83.90936	77.61855	100.50000	-0.0089380	d
3.4689	83.41526	77.58064	100.50000	-0.011784	d
3.9645	82.92115	77.54273	100.50000	-0.014770	d
4.4600	82.42705	77.50482	100.50000	-0.017902	d
4.9556	81.93294	77.46691	100.50000	-0.021182	d
5.4511	81.43883	77.42900	100.50000	-0.024617	d
5.9467	80.94473	77.39109	100.50000	-0.028209	d
6.4423	80.45062	77.35318	100.50000	-0.031963	d
6.9378	79.95652	77.31527	100.50000	-0.035884	d
7.4334	79.46241	77.27736	100.50000	-0.039975	d
7.9289	78.96830	77.23945	100.50000	-0.044240	d
8.4245	78.47420	77.20155	100.50000	-0.048684	d
8.9200	77.98009	77.16364	100.50000	-0.053309	d
9.4156	77.48598	77.12573	100.50000	-0.058119	d
9.9112	76.99188	77.08782	100.50000	-0.063117	d
10.407	76.49777	77.04991	100.50000	-0.068307	d
10.902	76.00367	77.01200	100.50000	-0.073689	d
11.398	75.50956	76.97409	100.50000	-0.079267	d
11.893	75.01545	76.93618	100.50000	-0.085043	d
12.389	74.52135	76.89827	100.50000	-0.091017	d
12.885	74.02724	76.86036	100.50000	-0.097190	d
13.380	73.53314	76.82245	100.50000	-0.10356	d
13.876	73.03903	76.78455	100.50000	-0.11014	d
14.371	72.54492	76.74664	100.50000	-0.11691	d
14.867	72.05082	76.70873	100.50000	-0.12387	d
15.362	71.55671	76.67082	100.50000	-0.13104	d
15.858	71.06261	76.63291	100.50000	-0.13839	d
16.353	70.56850	76.59500	100.50000	-0.14594	d
16.849	70.07439	76.55709	100.50000	-0.15366	d
17.345	69.58029	76.51918	100.50000	-0.16157	d
17.840	69.08618	76.48127	100.50000	-0.16965	d
18.336	68.59208	76.44336	100.50000	-0.17790	d
18.831	68.09797	76.40545	100.50000	-0.18630	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
19.327	67.60386	76.36755	100.50000	-0.19486 d
19.822	67.10976	76.32964	100.50000	-0.20355 d
20.318	66.61565	76.29173	100.50000	-0.21238 d
20.813	66.12155	76.25382	100.50000	-0.22132 d
21.309	65.62744	76.21591	100.50000	-0.23037 d
21.805	65.13333	76.17800	100.50000	-0.23951 d
22.300	64.63923	76.14009	100.50000	-0.24873 d
22.796	64.14512	76.10218	100.50000	-0.25801 d
23.291	63.65102	76.06427	100.50000	-0.26734 d
23.787	63.15691	76.02636	100.50000	-0.27671 d
24.282	62.66280	75.98845	100.50000	-0.28609 d
24.778	62.16870	75.95055	100.50000	-0.29546 d
25.273	61.67459	75.91264	100.50000	-0.30481 d
25.769	61.18048	75.87473	100.50000	-0.31413 d
26.265	60.68638	75.83682	100.50000	-0.32338 d
26.760	60.19227	75.79891	100.50000	-0.33255 d
27.256	59.69817	75.76100	100.50000	-0.34162 d
27.751	59.20406	75.72309	100.50000	-0.35057 d
28.247	58.70995	75.68518	100.50000	-0.35938 d
28.742	58.21585	75.64727	100.50000	-0.36802 d
29.238	57.72174	75.60936	100.50000	-0.37649 d
29.733	57.22764	75.57145	100.50000	-0.38475 d
30.229	56.73353	75.53355	100.50000	-0.39278 d
30.725	56.23942	75.49564	100.50000	-0.40058 d
31.220	55.74532	75.45773	100.50000	-0.40811 d
31.716	55.25121	75.41982	100.50000	-0.41535 d
32.211	54.75711	75.38191	100.50000	-0.42230 d
32.707	54.26300	75.34400	100.50000	-0.42892 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	54.26300	75.34400	100.50000	-0.42892 d
0.48103	54.22619	75.82362	100.50000	-0.39799 d
0.96205	54.18938	76.30323	100.50000	-0.36910 d
1.4431	54.15258	76.78285	100.50000	-0.34211 d
1.9241	54.11577	77.26246	100.50000	-0.31690 d
2.4051	54.07896	77.74208	100.50000	-0.29333 d
2.8862	54.04215	78.22169	100.50000	-0.27130 d
3.3672	54.00535	78.70131	100.50000	-0.25072 d
3.8482	53.96854	79.18092	100.50000	-0.23147 d
4.3292	53.93173	79.66054	100.50000	-0.21348 d
4.8103	53.89492	80.14015	100.50000	-0.19665 d
5.2913	53.85812	80.61977	100.50000	-0.18092 d
5.7723	53.82131	81.09938	100.50000	-0.16620 d
6.2533	53.78450	81.57900	100.50000	-0.15244 d
6.7344	53.74769	82.05862	100.50000	-0.13957 d
7.2154	53.71088	82.53823	100.50000	-0.12754 d
7.6964	53.67408	83.01785	100.50000	-0.11628 d
8.1774	53.63727	83.49746	100.50000	-0.10576 d
8.6585	53.60046	83.97708	100.50000	-0.095916 d
9.1395	53.56365	84.45669	100.50000	-0.086711 d
9.6205	53.52685	84.93631	100.50000	-0.078104 d
10.102	53.49004	85.41592	100.50000	-0.070057 d
10.583	53.45323	85.89554	100.50000	-0.062534 d
11.064	53.41642	86.37515	100.50000	-0.055502 d
11.545	53.37962	86.85477	100.50000	-0.048931 d
12.026	53.34281	87.33438	100.50000	-0.042790 d
12.507	53.30600	87.81400	100.50000	-0.037052 d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	53.30600	87.81400	100.50000	-0.037052 d
0.48457	52.82250	87.78178	100.50000	-0.037809 d
0.96915	52.33900	87.74956	100.50000	-0.038518 d
1.4537	51.85550	87.71733	100.50000	-0.039176 d
1.9383	51.37200	87.68511	100.50000	-0.039784 d
2.4229	50.88850	87.65289	100.50000	-0.040338 d
2.9074	50.40500	87.62067	100.50000	-0.040839 d
3.3920	49.92150	87.58844	100.50000	-0.041285 d
3.8766	49.43800	87.55622	100.50000	-0.041675 d
4.3612	48.95450	87.52400	100.50000	-0.042008 d
4.8457	48.47100	87.49178	100.50000	-0.042283 d
5.3303	47.98750	87.45956	100.50000	-0.042500 d
5.8149	47.50400	87.42733	100.50000	-0.042659 d
6.2994	47.02050	87.39511	100.50000	-0.042758 d
6.7840	46.53700	87.36289	100.50000	-0.042798 d
7.2686	46.05350	87.33067	100.50000	-0.042779 d
7.7532	45.57000	87.29844	100.50000	-0.042699 d
8.2377	45.08650	87.26622	100.50000	-0.042561 d
8.7223	44.60300	87.23400	100.50000	-0.042364 d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: GVA-1 | Sub-structure: GVA-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-2 | Sub-structure: GVA-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-4 | Sub-structure: GVA-4

Vertical Offset	Segment	Start Length	Curvature	Deflection	Average	Max	Max Gradient	Max Gradient	Min	Damage

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	2.4422	5.3718	Sagging	216.59E-6	0.0	206.03E-6	0.0	35.875E-6	243460.	0 (Negligible)

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

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.9540	Sagging	23.924E-6	0.0	22.495E-6	0.0	24.879E-6	1.2152E+6	0 (Negligible)

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

Structure: GVA-7 | Sub-structure: GVA-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.7150	Sagging	350.64E-6	0.0	319.25E-6	0.0	74.110E-6	111010.	0 (Negligible)

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

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.9550	Sagging	75.781E-6	0.0	71.347E-6	0.0	-46.882E-6	437660.	0 (Negligible)

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

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	11.342	Sagging	317.27E-6	0.0	375.33E-6	0.0	-40.681E-6	405830.	0 (Negligible)

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

Structure: GVA-10 | Sub-structure: GVA-10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.0345	Sagging	251.18E-6	0.0	308.60E-6	0.0	98.120E-6	201000.	0 (Negligible)
	2	6.0345	1.8775	Hogging	30.306E-6	0.0	30.148E-6	0.0	98.120E-6	468760.	0 (Negligible)

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

Structure: GE-2 | Sub-structure: GE-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	13.801	Sagging	0.0022466	0.0	0.0033736	0.0	-216.22E-6	30395.	0 (Negligible)

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

Structure: GE-3 | Sub-structure: GE-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.9430	Hogging	12.423E-6	0.0	11.909E-6	0.0	-10.094E-6	2.6721E+6	0 (Negligible)
	2	4.9430	2.7060	Sagging	3.2080E-6	0.0	3.0398E-6	0.0	-10.094E-6	6.2823E+6	0 (Negligible)

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

Structure: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	13.713	Sagging	929.64E-6	0.0	0.0013973	0.0	93.153E-6	102540.	0 (Negligible)

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

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	3.8850	18.453	Sagging	0.0034855	0.0	0.0043303	0.0	325.16E-6	18681.	0 (Negligible)

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

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	15.761	Hogging	0.0015056	0.0	0.0014351	0.0	-94.067E-6	96017.	0 (Negligible)
	2	15.761	21.674	Sagging	0.0011153	0.0	0.0015061	0.0	-94.067E-6	204190.	0 (Negligible)

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

Structure: DH-3 | Sub-structure: DH-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-4 | Sub-structure: DH-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-5 | Sub-structure: DH-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	13.380	10.803	Sagging	78.934E-6	0.0	72.277E-6	0.0	18.925E-6	1.2323E+6	0 (Negligible)
	2	24.183	8.5228	Hogging	75.695E-6	0.0	74.637E-6	0.0	18.925E-6	757010.	0 (Negligible)

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

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.1774	Sagging	554.59E-6	0.0	526.68E-6	0.0	-64.303E-6	111450.	0 (Negligible)

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

Structure: DH-8 | Sub-structure: DH-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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.

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

Structure: GVA-1 | Sub-structure: GVA-1

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

Structure: GVA-2 | Sub-structure: GVA-2

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

Structure: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
Structure: GVA-4 | Sub-structure: GVA-4										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
Structure: GVA-5 | Sub-structure: GVA-5										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	216.59E-6	0.0	35.875E-6	0.25491	206.03E-6	0.0	35.875E-6	-	243460.	0 (Negligible)
Structure: GVA-6 | Sub-structure: GVA-6										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	23.924E-6	0.0	24.879E-6	0.32628	22.495E-6	0.0	24.879E-6	-	1.2152E+6	0 (Negligible)
Structure: GVA-7 | Sub-structure: GVA-7										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	350.64E-6	0.0	74.110E-6	0.55332	319.25E-6	0.0	74.110E-6	-	111010.	0 (Negligible)
Structure: GVA-8 | Sub-structure: GVA-8										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	75.781E-6	0.0	-46.882E-6	0.55338	71.347E-6	0.0	-46.882E-6	-	437660.	0 (Negligible)
Structure: GVA-9 | Sub-structure: GVA-9										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	317.27E-6	0.0	-40.681E-6	0.42203	375.33E-6	0.0	-40.681E-6	-	405830.	0 (Negligible)
Structure: GVA-10 | Sub-structure: GVA-10										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
Structure: GE-1 | Sub-structure: GE-1										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	251.18E-6	0.0	98.120E-6	1.5137	308.60E-6	0.0	98.120E-6	468760.	201000.	0 (Negligible)
Structure: GE-2 | Sub-structure: GE-2										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	0.0022466	0.0	-216.22E-6	1.5138	0.0033736	0.0	-216.22E-6	-	30395.	0 (Negligible)
Structure: GE-3 | Sub-structure: GE-3										
Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0.0	12.423E-6	0.0	-10.094E-6	0.18532	11.909E-6	0.0	-10.094E-6	2.6721E+6	6.2823E+6	0 (Negligible)
Structure: GE-4 | Sub-structure: GE-4										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category

[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	929.64E-6	0.0	93.153E-6	0.78038	0.0013973	0.0	93.153E-6	-	102540. 0 (Negligible)

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0034855	0.0	325.16E-6	2.1483	0.0043303	0.0	325.16E-6	-	18681. 0 (Negligible)	

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0015056	0.0	-94.067E-6	2.1623	0.0015061	0.0	-94.067E-6	96017.	204190. 0 (Negligible)	

Structure: DH-3 | Sub-structure: DH-3

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

Structure: DH-4 | Sub-structure: DH-4

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

Structure: DH-5 | Sub-structure: DH-5

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

Structure: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	78.934E-6	0.0	18.925E-6	0.42891	74.637E-6	0.0	18.925E-6	757010.	1.2323E+6 0 (Negligible)	

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	554.59E-6	0.0	-64.303E-6	0.42892	526.68E-6	0.0	-64.303E-6	-	111450. 0 (Negligible)	

Structure: DH-8 | Sub-structure: DH-8

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

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start [m]	End [m]	Curvature	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
GVA-1	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.											
GVA-2	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.											
GVA-3	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.											
GVA-4	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.											
GVA-5	Max Slope	GVA-5	1	2.4422	7.8140	Sagging	**35.875E-6**	0.25491	206.03E-6	-	243460. 0 (Negligible)	
	Max Settlement	GVA-5	1	2.4422	7.8140	Sagging	35.875E-6	**0.25491**	206.03E-6	-	243460. 0 (Negligible)	
	Max Tensile Strain	GVA-5	1	2.4422	7.8140	Sagging	35.875E-6	0.25491	**206.03E-6**	-	243460. 0 (Negligible)	
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-5	1	2.4422	7.8140	Sagging	35.875E-6	0.25491	206.03E-6	-	**243460.** 0 (Negligible)	
GVA-6	Max Slope	GVA-6	1	0.0	2.9540	Sagging	**24.879E-6**	0.32628	22.495E-6	-	1.2152E+6 0 (Negligible)	
	Max Settlement	GVA-6	1	0.0	2.9540	Sagging	24.879E-6	**0.32628**	22.495E-6	-	1.2152E+6 0 (Negligible)	
	Max Tensile	GVA-6	1	0.0	2.9540	Sagging	24.879E-6	0.32628	**22.495E-6**	-	1.2152E+6 0 (Negligible)	

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	Strain			- -	- -			- -	- -	- -		
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-6	1	0.0	2.9540	Sagging	24.879E-6	0.32628	22.495E-6	-	**1.2152E+6**	0 (Negligible)
GVA-7	Max Slope	GVA-7	1	0.0	3.7150	Sagging	**74.110E-6**	0.55332	319.25E-6	-	111010.	0 (Negligible)
	Max Settlement	GVA-7	1	0.0	3.7150	Sagging	74.110E-6	**0.55332**	319.25E-6	-	111010.	0 (Negligible)
	Max Tensile Strain	GVA-7	1	0.0	3.7150	Sagging	74.110E-6	0.55332	**319.25E-6**	-	111010.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-7	1	0.0	3.7150	Sagging	74.110E-6	0.55332	319.25E-6	-	**111010.**	0 (Negligible)
GVA-8	Max Slope	GVA-8	1	0.0	2.9550	Sagging	**46.882E-6**	0.55338	71.347E-6	-	437660.	0 (Negligible)
	Max Settlement	GVA-8	1	0.0	2.9550	Sagging	46.882E-6	**0.55338**	71.347E-6	-	437660.	0 (Negligible)
	Max Tensile Strain	GVA-8	1	0.0	2.9550	Sagging	46.882E-6	0.55338	**71.347E-6**	-	437660.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-8	1	0.0	2.9550	Sagging	46.882E-6	0.55338	71.347E-6	-	**437660.**	0 (Negligible)
GVA-9	Max Slope	GVA-9	1	0.0	11.342	Sagging	**40.681E-6**	0.42203	375.33E-6	-	405830.	0 (Negligible)
	Max Settlement	GVA-9	1	0.0	11.342	Sagging	40.681E-6	**0.42203**	375.33E-6	-	405830.	0 (Negligible)
	Max Tensile Strain	GVA-9	1	0.0	11.342	Sagging	40.681E-6	0.42203	**375.33E-6**	-	405830.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-9	1	0.0	11.342	Sagging	40.681E-6	0.42203	375.33E-6	-	**405830.**	0 (Negligible)
GVA-10	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.											
GE-1	Max Slope	GE-1	1	0.0	6.0345	Sagging	**98.120E-6**	1.3310	308.60E-6	-	201000.	0 (Negligible)
	Max Settlement	GE-1	2	6.0345	7.9120	Hogging	98.120E-6	**1.5137**	30.148E-6	468760.	-	0 (Negligible)
	Max Tensile Strain	GE-1	1	0.0	6.0345	Sagging	98.120E-6	1.3310	**308.60E-6**	-	201000.	0 (Negligible)
	Min Radius of Curvature (Hogging)	GE-1	2	6.0345	7.9120	Hogging	98.120E-6	1.5137	30.148E-6	**468760.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GE-1	1	0.0	6.0345	Sagging	98.120E-6	1.3310	308.60E-6	-	**201000.**	0 (Negligible)
GE-2	Max Slope	GE-2	1	0.0	13.801	Sagging	**216.22E-6**	1.5138	0.0033736	-	30395.	0 (Negligible)
	Max Settlement	GE-2	1	0.0	13.801	Sagging	216.22E-6	**1.5138**	0.0033736	-	30395.	0 (Negligible)
	Max Tensile Strain	GE-2	1	0.0	13.801	Sagging	216.22E-6	1.5138	**0.0033736**	-	30395.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GE-2	1	0.0	13.801	Sagging	216.22E-6	1.5138	0.0033736	-	**30395.**	0 (Negligible)
GE-3	Max Slope	GE-3	1	0.0	4.9430	Hogging	**10.094E-6**	0.18532	11.909E-6	2.6721E+6	-	0 (Negligible)
	Max Settlement	GE-3	1	0.0	4.9430	Hogging	10.094E-6	**0.18532**	11.909E-6	2.6721E+6	-	0 (Negligible)
	Max Tensile Strain	GE-3	1	0.0	4.9430	Hogging	10.094E-6	0.18532	**11.909E-6**	2.6721E+6	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	GE-3	1	0.0	4.9430	Hogging	10.094E-6	0.18532	11.909E-6	**2.6721E+6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GE-3	2	4.9430	7.6490	Sagging	10.094E-6	0.13701	3.0398E-6	-	**6.2823E+6**	0 (Negligible)
GE-4	Max Slope	GE-4	1	0.0	13.713	Sagging	**93.153E-6**	0.78038	0.0013973	-	102540.	0 (Negligible)
	Max Settlement	GE-4	1	0.0	13.713	Sagging	93.153E-6	**0.78038**	0.0013973	-	102540.	0 (Negligible)
	Max Tensile Strain	GE-4	1	0.0	13.713	Sagging	93.153E-6	0.78038	**0.0013973**	-	102540.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GE-4	1	0.0	13.713	Sagging	93.153E-6	0.78038	0.0013973	-	**102540.**	0 (Negligible)
DH-1	Max Slope	DH-1	1	3.8850	22.338	Sagging	**325.16E-6**	2.1483	0.0043303	-	18681.	0 (Negligible)
	Max Settlement	DH-1	1	3.8850	22.338	Sagging	325.16E-6	**2.1483**	0.0043303	-	18681.	0 (Negligible)
	Max Tensile Strain	DH-1	1	3.8850	22.338	Sagging	325.16E-6	2.1483	**0.0043303**	-	18681.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	DH-1	1	3.8850	22.338	Sagging	325.16E-6	2.1483	0.0043303	-	**18681.**	0 (Negligible)
DH-2	Max Slope	DH-2	1	0.0	15.761	Hogging	**94.067E-6**	2.1623	0.0014351	96017.	-	0 (Negligible)
	Max Settlement	DH-2	1	0.0	15.761	Hogging	94.067E-6	**2.1623**	0.0014351	96017.	-	0 (Negligible)
	Max Tensile Strain	DH-2	2	15.761	37.435	Sagging	94.067E-6	1.3208	**0.0015061**	-	204190.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-2	1	0.0	15.761	Hogging	94.067E-6	2.1623	0.0014351	**96017.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-2	2	15.761	37.435	Sagging	94.067E-6	1.3208	0.0015061	-	**204190.**	0 (Negligible)
DH-3	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.											
DH-4	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.											
DH-5	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.											
DH-6	Max Slope	DH-6	1	13.380	24.183	Sagging	**18.925E-6**	0.28421	72.277E-6	-	1.2323E+6	0 (Negligible)
	Max Settlement	DH-6	2	24.183	32.706	Hogging	18.925E-6	**0.42891**	74.637E-6	757010.	-	0 (Negligible)
	Max Tensile Strain	DH-6	2	24.183	32.706	Hogging	18.925E-6	0.42891	**74.637E-6**	757010.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-6	2	24.183	32.706	Hogging	18.925E-6	0.42891	74.637E-6	**757010.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-6	1	13.380	24.183	Sagging	18.925E-6	0.28421	72.277E-6	-	**1.2323E+6**	0 (Negligible)
DH-7	Max Slope	DH-7	1	0.0	8.1774	Sagging	**64.303E-6**	0.42892	526.68E-6	-	111450.	0 (Negligible)
	Max Settlement	DH-7	1	0.0	8.1774	Sagging	64.303E-6	**0.42892**	526.68E-6	-	111450.	0 (Negligible)
	Max Tensile Strain	DH-7	1	0.0	8.1774	Sagging	64.303E-6	0.42892	**526.68E-6**	-	111450.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	- -		-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	DH-7	1	0.0	8.1774	Sagging	64.303E-6	0.42892	526.68E-6	-	**111450.**	0 (Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Start Segment	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
DH-8	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.										

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: GVA-1 | Sub-structure: GVA-1

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	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0
0.48595	9.22654	89.03772	100.50000	0.0	0.0	0.0	0.0
0.97189	9.20108	88.55244	100.50000	0.0	0.0	0.0	0.0
1.4578	9.17562	88.06716	100.50000	0.0	0.0	0.0	0.0
1.9438	9.15016	87.58188	100.50000	0.0	0.0	0.0	0.0
2.4297	9.12470	87.09660	100.50000	0.0	0.0	0.0	0.0
2.9157	9.09924	86.61132	100.50000	0.0	0.0	0.0	0.0
3.4016	9.07378	86.12604	100.50000	0.0	0.0	0.0	0.0
3.8876	9.04832	85.64076	100.50000	0.0	0.0	0.0	0.0
4.3735	9.02286	85.15548	100.50000	0.0	0.0	0.0	0.0
4.8595	8.99740	84.67020	100.50000	0.0	0.0	0.0	0.0
5.3454	8.97194	84.18492	100.50000	0.0	0.0	0.0	0.0
5.8314	8.94648	83.69964	100.50000	0.0	0.0	0.0	0.0
6.3173	8.92102	83.21436	100.50000	0.0	0.0	0.0	0.0
6.8033	8.89556	82.72908	100.50000	0.0	0.0	0.0	0.0
7.2892	8.87010	82.24380	100.50000	0.0	0.0	0.0	0.0
7.7752	8.84464	81.75852	100.50000	0.0	0.0	0.0	0.0
8.2611	8.81918	81.27324	100.50000	0.0	0.0	0.0	0.0
8.7471	8.79372	80.78796	100.50000	0.0	0.0	0.0	0.0
9.2330	8.76826	80.30268	100.50000	0.0	0.0	0.0	0.0
9.7189	8.74280	79.81740	100.50000	0.0	0.0	0.0	0.0
10.205	8.71734	79.33212	100.50000	0.0	0.0	0.0	0.0
10.691	8.69188	78.84684	100.50000	0.0	0.0	0.0	0.0
11.177	8.66642	78.36156	100.50000	0.0	0.0	0.0	0.0
11.663	8.64096	77.87628	100.50000	0.0	0.0	0.0	0.0
12.149	8.61550	77.39100	100.50000	0.0	0.0	0.0	0.0
12.635	8.59004	76.90572	100.50000	0.0	0.0	0.0	0.0
13.121	8.56458	76.42044	100.50000	0.0	0.0	0.0	0.0
13.607	8.53912	75.93516	100.50000	0.0	0.0	0.0	0.0
14.092	8.51366	75.44988	100.50000	0.0	0.0	0.0	0.0
14.578	8.48820	74.96460	100.50000	0.0	0.0	0.0	0.0
15.064	8.46274	74.47932	100.50000	0.0	0.0	0.0	0.0
15.550	8.43728	73.99404	100.50000	0.0	0.0	0.0	0.0
16.036	8.41182	73.50876	100.50000	0.0	0.0	0.0	0.0
16.522	8.38636	73.02348	100.50000	0.0	0.0	0.0	0.0
17.008	8.36090	72.53820	100.50000	0.0	0.0	0.0	0.0
17.494	8.33544	72.05292	100.50000	0.0	0.0	0.0	0.0
17.980	8.30998	71.56764	100.50000	0.0	0.0	0.0	0.0
18.466	8.28452	71.08236	100.50000	0.0	0.0	0.0	0.0
18.952	8.25906	70.59708	100.50000	0.0	0.0	0.0	0.0
19.438	8.23360	70.11180	100.50000	0.0	0.0	0.0	0.0
19.924	8.20814	69.62652	100.50000	0.0	0.0	0.0	0.0
20.410	8.18268	69.14124	100.50000	0.0	0.0	0.0	0.0
20.896	8.15722	68.65596	100.50000	0.0	0.0	0.0	0.0
21.382	8.13176	68.17068	100.50000	0.0	0.0	0.0	0.0
21.868	8.10630	67.68540	100.50000	0.0	0.0	0.0	0.0
22.354	8.08084	67.20012	100.50000	0.0	0.0	0.0	0.0
22.840	8.05538	66.71484	100.50000	0.0	0.0	0.0	0.0
23.325	8.02992	66.22956	100.50000	0.0	0.0	0.0	0.0
23.811	8.00446	65.74428	100.50000	0.0	0.0	0.0	0.0
24.297	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0

Structure: GVA-2 | Sub-structure: GVA-2

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	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0
0.48050	7.95067	64.77933	100.50000	0.0	0.0	0.0	0.0
0.96101	7.92233	64.29967	100.50000	0.0	0.0	0.0	0.0
1.4415	7.89400	63.82000	100.50000	0.0	0.0	0.0	0.0
1.9220	7.86567	63.34033	100.50000	0.0	0.0	0.0	0.0
2.4025	7.83733	62.86067	100.50000	0.0	0.0	0.0	0.0
2.8830	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0

Structure: GVA-3 | Sub-structure: GVA-3

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	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0
0.47715	8.28487	62.34613	100.50000	0.0	0.0	0.0	0.0
0.95430	8.76075	62.31125	100.50000	0.0	0.0	0.0	0.0
1.4315	9.23663	62.27638	100.50000	0.0	0.0	0.0	0.0
1.9086	9.71250	62.24150	100.50000	0.0	0.0	0.0	0.0
2.3858	10.18838	62.20662	100.50000	0.0	0.0	0.0	0.0
2.8629	10.66425	62.17175	100.50000	0.0	0.0	0.0	0.0
3.3401	11.14012	62.13687	100.50000	0.0	0.0	0.0	0.0
3.8172	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0

Structure: GVA-4 | Sub-structure: GVA-4

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	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0
0.47359	11.65050	62.57433	100.50000	0.0	0.0	0.0	0.0
0.94718	11.68500	63.04667	100.50000	0.0	0.0	0.0	0.0
1.4208	11.71950	63.51900	100.50000	0.0	0.0	0.0	0.0
1.8944	11.75400	63.99133	100.50000	0.0	0.0	0.0	0.0
2.3680	11.78850	64.46367	100.50000	0.0	0.0	0.0	0.0
2.8415	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0

Structure: GVA-5 | Sub-structure: GVA-5

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	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0
0.48843	12.31013	64.90031	100.50000	0.0	0.0	0.0	0.0
0.97686	12.79725	64.86463	100.50000	0.0	0.0	0.0	0.0
1.4653	13.28438	64.82894	100.50000	0.0	0.0	0.0	0.0
1.9537	13.77150	64.79325	100.50000	0.0	0.0	0.0	0.0
2.4422	14.25863	64.75756	100.50000	0.0	0.0	0.0	0.0
2.9306	14.74575	64.72187	100.50000	0.0	0.0	0.0	0.0
3.4190	15.23288	64.68619	100.50000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
3.9074	15.72000	64.65050	100.50000	0.0	0.0	0.0	0.0
4.3959	16.20713	64.61481	100.50000	0.020812	-0.010191	0.021501	-0.0086432
4.8843	16.69425	64.57913	100.50000	0.13261	-0.066638	0.13712	-0.056771
5.3727	17.18138	64.54344	100.50000	0.24197	-0.12488	0.25044	-0.10687
5.8612	17.66850	64.50775	100.50000	0.34875	-0.18501	0.36134	-0.15904
6.3496	18.15563	64.47206	100.50000	0.45282	-0.24713	0.46967	-0.21338
6.8380	18.64275	64.43637	100.50000	0.55403	-0.31134	0.57530	-0.27003
7.3265	19.12988	64.40069	100.50000	0.65222	-0.37776	0.67807	-0.32909
7.8149	19.61700	64.36500	100.50000	0.74721	-0.44649	0.77783	-0.39070

Structure: GVA-6 | Sub-structure: GVA-6

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	19.61700	64.36500	100.50000	0.74721	-0.44649	0.39068	0.77784
0.49248	19.58100	63.87383	100.50000	0.82023	-0.46218	0.40099	0.85182
0.98497	19.54500	63.38267	100.50000	0.89368	-0.47369	0.40710	0.92592
1.4775	19.50900	62.89150	100.50000	0.96741	-0.48106	0.40905	0.99999
1.9699	19.47300	62.40033	100.50000	1.0412	-0.48433	0.40692	1.0739
2.4624	19.43700	61.90917	100.50000	1.1150	-0.48357	0.40078	1.1474
2.9549	19.40100	61.41800	100.50000	1.1885	-0.47889	0.39073	1.2203

Structure: GVA-7 | Sub-structure: GVA-7

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	19.40100	61.41800	100.50000	1.1885	-0.47889	1.2202	-0.39094
0.46449	19.86425	61.38412	100.50000	1.3011	-0.53927	1.3370	-0.44294
0.92897	20.32750	61.35025	100.50000	1.4589	-0.62254	1.5005	-0.51449
1.3935	20.79075	61.31638	100.50000	1.6127	-0.70922	1.6601	-0.58972
1.8579	21.25400	61.28250	100.50000	1.7622	-0.79957	1.8158	-0.66893
2.3224	21.71725	61.24862	100.50000	1.9072	-0.89389	1.9673	-0.75242
2.7869	22.18050	61.21475	100.50000	2.0474	-0.99250	2.1143	-0.84054
3.2514	22.64375	61.18088	100.50000	2.1825	-1.0957	2.2566	-0.93364
3.7159	23.10700	61.14700	100.50000	2.3123	-1.2040	2.3939	-1.0321

Structure: GVA-8 | Sub-structure: GVA-8

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	23.10700	61.14700	100.50000	2.3123	-1.2040	-1.0818	-2.3719
0.49250	23.13267	61.63883	100.50000	2.1678	-1.2192	-1.1046	-2.2284
0.98501	23.15833	62.13067	100.50000	2.0256	-1.2256	-1.1184	-2.0867
1.4775	23.18400	62.62250	100.50000	1.8857	-1.2231	-1.1232	-1.9469
1.9700	23.20967	63.11433	100.50000	1.7486	-1.2119	-1.1191	-1.8094
2.4625	23.23533	63.60617	100.50000	1.6144	-1.1920	-1.1062	-1.6743
2.9550	23.26100	64.09800	100.50000	1.4832	-1.1635	-1.0846	-1.5418

Structure: GVA-9 | Sub-structure: GVA-9

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	23.26100	64.09800	100.50000	1.4832	-1.1635	-1.0846	-1.5418
0.49313	23.28670	64.59046	100.50000	1.3550	-1.1265	-1.0543	-1.4119
0.98626	23.31240	65.08292	100.50000	1.2300	-1.0812	-1.0157	-1.2847
1.4794	23.33810	65.57538	100.50000	1.1083	-1.0279	-0.96871	-1.1604
1.9725	23.36380	66.06784	100.50000	0.98984	-0.96659	-0.91369	-1.0389
2.4657	23.38950	66.56030	100.50000	0.88411	-0.90734	-0.86003	-0.93020
2.9588	23.41520	67.05276	100.50000	0.80108	-0.86249	-0.81957	-0.84494
3.4519	23.44090	67.54522	100.50000	0.72046	-0.81244	-0.77379	-0.76183
3.9450	23.46660	68.03768	100.50000	0.64225	-0.75738	-0.72288	-0.68085
4.4382	23.49230	68.53014	100.50000	0.56639	-0.69746	-0.66700	-0.60197
4.9313	23.51800	69.02260	100.50000	0.49284	-0.63287	-0.60632	-0.52515
5.4244	23.54370	69.51506	100.50000	0.42155	-0.56376	-0.54103	-0.45036
5.9176	23.56940	70.00752	100.50000	0.35247	-0.49032	-0.47128	-0.37754
6.4107	23.59510	70.49998	100.50000	0.28554	-0.41269	-0.39725	-0.30666
6.9038	23.62080	70.99244	100.50000	0.22070	-0.33105	-0.31910	-0.23766
7.3970	23.64650	71.48490	100.50000	0.15790	-0.24555	-0.23699	-0.17048
7.8901	23.67220	71.97736	100.50000	0.097065	-0.15634	-0.15107	-0.10508
8.3832	23.69790	72.46982	100.50000	0.038140	-0.063566	-0.061492	-0.041401
8.8763	23.72360	72.96228	100.50000	0.0	0.0	0.0	0.0
9.3695	23.74930	73.45474	100.50000	0.0	0.0	0.0	0.0
9.8626	23.77500	73.94720	100.50000	0.0	0.0	0.0	0.0
10.356	23.80070	74.43966	100.50000	0.0	0.0	0.0	0.0
10.849	23.82640	74.93212	100.50000	0.0	0.0	0.0	0.0
11.342	23.85210	75.42458	100.50000	0.0	0.0	0.0	0.0
11.835	23.87780	75.91704	100.50000	0.0	0.0	0.0	0.0
12.328	23.90350	76.40950	100.50000	0.0	0.0	0.0	0.0
12.821	23.92920	76.90196	100.50000	0.0	0.0	0.0	0.0
13.315	23.95490	77.39442	100.50000	0.0	0.0	0.0	0.0
13.808	23.98060	77.88688	100.50000	0.0	0.0	0.0	0.0
14.301	24.00630	78.37934	100.50000	0.0	0.0	0.0	0.0
14.794	24.03200	78.87180	100.50000	0.0	0.0	0.0	0.0
15.287	24.05770	79.36426	100.50000	0.0	0.0	0.0	0.0
15.780	24.08340	79.85672	100.50000	0.0	0.0	0.0	0.0
16.273	24.10910	80.34918	100.50000	0.0	0.0	0.0	0.0
16.766	24.13480	80.84164	100.50000	0.0	0.0	0.0	0.0
17.260	24.16050	81.33410	100.50000	0.0	0.0	0.0	0.0
17.753	24.18620	81.82656	100.50000	0.0	0.0	0.0	0.0
18.246	24.21190	82.31902	100.50000	0.0	0.0	0.0	0.0
18.739	24.23760	82.81148	100.50000	0.0	0.0	0.0	0.0
19.232	24.26330	83.30394	100.50000	0.0	0.0	0.0	0.0
19.725	24.28900	83.79640	100.50000	0.0	0.0	0.0	0.0
20.218	24.31470	84.28886	100.50000	0.0	0.0	0.0	0.0
20.711	24.34040	84.78132	100.50000	0.0	0.0	0.0	0.0
21.205	24.36610	85.27378	100.50000	0.0	0.0	0.0	0.0
21.698	24.39180	85.76624	100.50000	0.0	0.0	0.0	0.0
22.191	24.41750	86.25870	100.50000	0.0	0.0	0.0	0.0
22.684	24.44320	86.75116	100.50000	0.0	0.0	0.0	0.0
23.177	24.46890	87.24362	100.50000	0.0	0.0	0.0	0.0
23.670	24.49460	87.73608	100.50000	0.0	0.0	0.0	0.0
24.163	24.52030	88.22854	100.50000	0.0	0.0	0.0	0.0
24.657	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0

Structure: GVA-10 | Sub-structure: GVA-10

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	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0
0.47859	24.06806	88.74606	100.50000	0.0	0.0	0.0	0.0
0.95719	23.59013	88.77112	100.50000	0.0	0.0	0.0	0.0
1.4358	23.11219	88.79619	100.50000	0.0	0.0	0.0	0.0
1.9144	22.63425	88.82125	100.50000	0.0	0.0	0.0	0.0
2.3930	22.15631	88.84631	100.50000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
2.8716	21.67837	88.87138	100.50000	0.0	0.0	0.0	0.0
3.3502	21.20044	88.89644	100.50000	0.0	0.0	0.0	0.0
3.8288	20.72250	88.92150	100.50000	0.0	0.0	0.0	0.0
4.3073	20.24456	88.94656	100.50000	0.0	0.0	0.0	0.0
4.7859	19.76662	88.97163	100.50000	0.0	0.0	0.0	0.0
5.2645	19.28869	88.99669	100.50000	0.0	0.0	0.0	0.0
5.7431	18.81075	89.02175	100.50000	0.0	0.0	0.0	0.0
6.2217	18.33281	89.04681	100.50000	0.0	0.0	0.0	0.0
6.7003	17.85488	89.07188	100.50000	0.0	0.0	0.0	0.0
7.1789	17.37694	89.09694	100.50000	0.0	0.0	0.0	0.0
7.6575	16.89900	89.12200	100.50000	0.0	0.0	0.0	0.0
8.1361	16.42106	89.14706	100.50000	0.0	0.0	0.0	0.0
8.6147	15.94313	89.17212	100.50000	0.0	0.0	0.0	0.0
9.0933	15.46519	89.19719	100.50000	0.0	0.0	0.0	0.0
9.5719	14.98725	89.22225	100.50000	0.0	0.0	0.0	0.0
10.050	14.50931	89.24731	100.50000	0.0	0.0	0.0	0.0
10.529	14.03138	89.27237	100.50000	0.0	0.0	0.0	0.0
11.008	13.55344	89.29744	100.50000	0.0	0.0	0.0	0.0
11.486	13.07550	89.32250	100.50000	0.0	0.0	0.0	0.0
11.965	12.59756	89.34756	100.50000	0.0	0.0	0.0	0.0
12.443	12.11963	89.37262	100.50000	0.0	0.0	0.0	0.0
12.922	11.64169	89.39769	100.50000	0.0	0.0	0.0	0.0
13.401	11.16375	89.42275	100.50000	0.0	0.0	0.0	0.0
13.879	10.68581	89.44781	100.50000	0.0	0.0	0.0	0.0
14.358	10.20788	89.47288	100.50000	0.0	0.0	0.0	0.0
14.836	9.72994	89.49794	100.50000	0.0	0.0	0.0	0.0
15.315	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0

Structure: GE-1 | Sub-structure: GE-1

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	28.56700	64.11000	100.50000	1.9265	-2.8596	1.7836	-2.9508
0.49454	29.06094	64.13431	100.50000	1.8957	-3.0521	1.7434	-3.1416
0.98907	29.55487	64.15863	100.50000	1.8524	-3.2503	1.6903	-3.3374
1.4836	30.04881	64.18294	100.50000	1.7964	-3.4537	1.6244	-3.5378
1.9781	30.54275	64.20725	100.50000	1.7277	-3.6618	1.5456	-3.7423
2.4727	31.03669	64.23156	100.50000	1.6466	-3.8738	1.4541	-3.9501
2.9672	31.53063	64.25588	100.50000	1.5531	-4.0889	1.3502	-4.1603
3.4617	32.02456	64.28019	100.50000	1.4479	-4.3061	1.2344	-4.3720
3.9563	32.51850	64.30450	100.50000	1.3314	-4.5240	1.1074	-4.5840
4.4508	33.01244	64.32881	100.50000	1.2045	-4.7414	0.96996	-4.7949
4.9454	33.50637	64.35312	100.50000	1.0681	-4.9567	0.82317	-5.0032
5.4399	34.00031	64.37744	100.50000	0.92344	-5.1683	0.66824	-5.2075
5.9344	34.49425	64.40175	100.50000	0.77172	-5.3744	0.50657	-5.4058
6.4290	34.98819	64.42606	100.50000	0.61443	-5.5732	0.33970	-5.5966
6.9235	35.48212	64.45037	100.50000	0.45315	-5.7627	0.16929	-5.7780
7.4180	35.97606	64.47469	100.50000	0.28952	-5.9412	-0.0029133	-5.9482
7.9126	36.47000	64.49900	100.50000	0.27903	-5.9515	-0.013895	-5.9580

Structure: GE-2 | Sub-structure: GE-2

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	36.47000	64.49900	100.50000	0.27903	-5.9515	-5.9574	0.081985
0.49291	36.44014	64.99100	100.50000	0.26535	-5.6596	-5.6653	0.077964
0.98581	36.41029	65.48300	100.50000	0.25179	-5.3705	-5.3759	0.073982
1.4787	36.38043	65.97500	100.50000	0.23836	-5.0840	-5.0891	0.070035
1.9716	36.35057	66.46700	100.50000	0.22504	-4.7998	-4.8046	0.066120
2.4645	36.32071	66.95900	100.50000	0.21181	-4.5178	-4.5223	0.062235
2.9574	36.29086	67.45100	100.50000	0.19868	-4.2377	-4.2420	0.058377
3.4503	36.26100	67.94300	100.50000	0.18564	-3.9594	-3.9634	0.054544
3.9432	36.23114	68.43500	100.50000	0.17266	-3.6827	-3.6864	0.050732
4.4361	36.20129	68.92700	100.50000	0.15975	-3.4074	-3.4108	0.046938
4.9291	36.17143	69.41900	100.50000	0.14690	-3.1332	-3.1363	0.043161
5.4220	36.14157	69.91100	100.50000	0.13409	-2.8599	-2.8628	0.039397
5.9149	36.11171	70.40300	100.50000	0.12131	-2.5875	-2.5901	0.035644
6.4078	36.08186	70.89500	100.50000	0.10856	-2.3156	-2.3179	0.031899
6.9007	36.05200	71.38700	100.50000	0.095835	-2.0441	-2.0461	0.028158
7.3936	36.02214	71.87900	100.50000	0.083342	-1.7726	-1.7794	0.024488
7.8865	35.99229	72.37100	100.50000	0.074686	-1.5930	-1.5946	0.021944
8.3794	35.96243	72.86300	100.50000	0.066031	-1.4084	-1.4098	0.019401
8.8723	35.93257	73.35500	100.50000	0.057375	-1.2238	-1.2250	0.016858
9.3652	35.90271	73.84700	100.50000	0.048719	-1.0391	-1.0402	0.014315
9.8581	35.87286	74.33900	100.50000	0.040063	-0.85451	-0.85537	0.011771
10.351	35.84300	74.83100	100.50000	0.031408	-0.66989	-0.67057	0.0092282
10.844	35.81314	75.32300	100.50000	0.022752	-0.48527	-0.48576	0.0066849
11.337	35.78329	75.81500	100.50000	0.014096	-0.30066	-0.30096	0.0041417
11.830	35.75343	76.30700	100.50000	0.0054403	-0.11604	-0.11615	0.0015985
12.323	35.72357	76.79900	100.50000	0.0	0.0	0.0	0.0
12.816	35.69371	77.29100	100.50000	0.0	0.0	0.0	0.0
13.308	35.66386	77.78300	100.50000	0.0	0.0	0.0	0.0
13.801	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0

Structure: GE-3 | Sub-structure: GE-3

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	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0
0.47806	35.15681	78.24606	100.50000	0.0	0.0	0.0	0.0
0.95613	34.67963	78.21713	100.50000	0.0	0.0	0.0	0.0
1.4342	34.20244	78.18819	100.50000	0.0	0.0	0.0	0.0
1.9123	33.72525	78.15925	100.50000	0.0	0.0	0.0	0.0
2.3903	33.24806	78.13031	100.50000	0.0	0.0	0.0	0.0
2.8684	32.77087	78.10138	100.50000	0.0	0.0	0.0	0.0
3.3464	32.29369	78.07244	100.50000	0.0	0.0	0.0	0.0
3.8245	31.81650	78.04350	100.50000	0.0	0.0	0.0	0.0
4.3026	31.33931	78.01456	100.50000	0.0	0.0	0.0	0.0
4.7806	30.86212	77.98562	100.50000	0.0	0.0	0.0	0.0
5.2587	30.38494	77.95669	100.50000	0.0	0.0	0.0	0.0
5.7368	29.90775	77.92775	100.50000	0.0	0.0	0.0	0.0
6.2148	29.43056	77.89881	100.50000	0.0	0.0	0.0	0.0
6.6929	28.95338	77.86987	100.50000	0.0	0.0	0.0	0.0
7.1710	28.47619	77.84094	100.50000	0.0	0.0	0.0	0.0
7.6490	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0

Structure: GE-4 | Sub-structure: GE-4

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	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0
0.48978	28.01929	77.32264	100.50000	0.0	0.0	0.0	0.0
0.97955	28.03957	76.83329	100.50000	0.0	0.0	0.0	0.0
1.4693	28.05986	76.34393	100.50000	0.0	0.0	0.0	0.0
1.9591	28.08014	75.85457	100.50000	0.0	0.0	0.0	0.0
2.4489	28.10043	75.36521	100.50000	0.0	0.0	0.0	0.0
2.9387	28.12071	74.87586	100.50000	0.016142	-0.050823	0.051448	0.014023
3.4284	28.14100	74.38650	100.50000	0.060523	-0.18619	0.18854	0.052759
3.9182	28.16129	73.89714	100.50000	0.10638	-0.31956	0.32369	0.093055

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
4.4080	28.18157	73.40779	100.50000	0.15381	-0.45081	0.45679	0.13500
4.8978	28.20186	72.91843	100.50000	0.20289	-0.57980	0.58770	0.17870
5.3876	28.22214	72.42907	100.50000	0.25374	-0.70640	0.71630	0.22426
5.8773	28.24243	71.93971	100.50000	0.30645	-0.83045	0.84243	0.27179
6.3671	28.26271	71.45036	100.50000	0.36115	-0.95180	0.96594	0.32142
6.8569	28.28300	70.96100	100.50000	0.41797	-1.0703	1.0867	0.37328
7.3467	28.30329	70.47164	100.50000	0.47704	-1.1856	1.2044	0.42752
7.8364	28.32357	69.98229	100.50000	0.53851	-1.2978	1.3189	0.48430
8.3262	28.34386	69.49293	100.50000	0.62504	-1.4589	1.4835	0.56408
8.8160	28.36414	69.00357	100.50000	0.71721	-1.6194	1.6477	0.64952
9.3058	28.38443	68.51421	100.50000	0.81344	-1.7744	1.8066	0.73925
9.7955	28.40471	68.02486	100.50000	0.91408	-1.9238	1.9600	0.83361
10.285	28.42500	67.53550	100.50000	1.0195	-2.0671	2.1076	0.93298
10.775	28.44529	67.04614	100.50000	1.1300	-2.2040	2.2489	1.0377
11.265	28.46557	66.55679	100.50000	1.2461	-2.3339	2.3835	1.1483
11.755	28.48586	66.06743	100.50000	1.3682	-2.4564	2.5110	1.2652
12.244	28.50614	65.57807	100.50000	1.4967	-2.5709	2.6307	1.3889
12.734	28.52643	65.08871	100.50000	1.6322	-2.6768	2.7421	1.5200
13.224	28.54671	64.59936	100.50000	1.7753	-2.7733	2.8444	1.6589
13.714	28.56700	64.11000	100.50000	1.9265	-2.8596	2.9369	1.8064

Structure: DH-1 | Sub-structure: DH-1

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	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0
0.48563	44.63204	86.74924	100.50000	0.0	0.0	0.0	0.0
0.97126	44.66109	86.26448	100.50000	0.0	0.0	0.0	0.0
1.4569	44.69013	85.77972	100.50000	0.0	0.0	0.0	0.0
1.9425	44.71917	85.29496	100.50000	0.0	0.0	0.0	0.0
2.4282	44.74822	84.81020	100.50000	0.0	0.0	0.0	0.0
2.9138	44.77726	84.32543	100.50000	0.0	0.0	0.0	0.0
3.3994	44.80630	83.84067	100.50000	0.0	0.0	0.0	0.0
3.8850	44.83535	83.35591	100.50000	0.0	0.0	0.0	0.0
4.3707	44.86439	82.87115	100.50000	0.0	0.0	0.0	0.0
4.8563	44.89343	82.38639	100.50000	0.0	0.0	0.0	0.0
5.3419	44.92248	81.90163	100.50000	0.0	0.0	0.0	0.0
5.8276	44.95152	81.41687	100.50000	0.0	0.0	0.0	0.0
6.3132	44.98057	80.93211	100.50000	0.0	0.0	0.0	0.0
6.7988	45.00961	80.44735	100.50000	0.0	0.0	0.0	0.0
7.2845	45.03865	79.96259	100.50000	0.0	0.0	0.0	0.0
7.7701	45.06770	79.47783	100.50000	0.0	0.0	0.0	0.0
8.2557	45.09674	78.99307	100.50000	0.0	0.0	0.0	0.0
8.7413	45.12578	78.50830	100.50000	0.0	0.0	0.0	0.0
9.2270	45.15483	78.02354	100.50000	0.0	0.0	0.0	0.0
9.7126	45.18387	77.53878	100.50000	0.0	0.0	0.0	0.0
10.198	45.21291	77.05402	100.50000	115.62E-6	-0.0024660	0.0024685	-32.071E-6
10.684	45.24196	76.56926	100.50000	0.0086437	-0.18436	0.18455	-0.0023977
11.169	45.27100	76.08450	100.50000	0.017172	-0.36626	0.36663	-0.0047633
11.655	45.30004	75.59974	100.50000	0.025700	-0.54815	0.54871	-0.0071289
12.141	45.32909	75.11498	100.50000	0.034228	-0.73005	0.73079	-0.0094946
12.626	45.35813	74.63022	100.50000	0.042756	-0.91195	0.91287	-0.011860
13.112	45.38717	74.14546	100.50000	0.051284	-1.0938	1.0950	-0.014226
13.598	45.41622	73.66070	100.50000	0.059812	-1.2757	1.2770	-0.016591
14.083	45.44526	73.17593	100.50000	0.068340	-1.4576	1.4591	-0.018957
14.569	45.47430	72.69117	100.50000	0.076868	-1.6395	1.6412	-0.021323
15.055	45.50335	72.20641	100.50000	0.086132	-1.8371	1.8390	-0.023892
15.540	45.53239	71.72165	100.50000	0.098667	-2.1045	2.1066	-0.027370
16.026	45.56143	71.23689	100.50000	0.11121	-2.3721	2.3745	-0.030849
16.511	45.59048	70.75213	100.50000	0.12378	-2.6400	2.6427	-0.034335
16.997	45.61952	70.26737	100.50000	0.13637	-2.9086	2.9116	-0.037827
17.483	45.64857	69.78261	100.50000	0.14900	-3.1779	3.1812	-0.041330
17.968	45.67761	69.29785	100.50000	0.16167	-3.4483	3.4518	-0.044846
18.454	45.70665	68.81309	100.50000	0.17440	-3.7197	3.7235	-0.048377
18.940	45.73570	68.32833	100.50000	0.18719	-3.9926	3.9966	-0.051925
19.425	45.76474	67.84357	100.50000	0.20005	-4.2669	4.2713	-0.055493
19.911	45.79378	67.35880	100.50000	0.21300	-4.5430	4.5477	-0.059084
20.396	45.82283	66.87404	100.50000	0.22603	-4.8211	4.8260	-0.062700
20.882	45.85187	66.38928	100.50000	0.23917	-5.1012	5.1064	-0.066343
21.368	45.88091	65.90452	100.50000	0.25241	-5.3836	5.3891	-0.070016
21.853	45.90996	65.41976	100.50000	0.26577	-5.6686	5.6743	-0.073722
22.339	45.93900	64.93500	100.50000	0.27925	-5.9562	5.9622	-0.077462

Structure: DH-2 | Sub-structure: DH-2

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	45.93900	64.93500	100.50000	0.27925	-5.9562	-0.14526	-5.9610
0.49257	46.43032	64.97005	100.50000	0.27892	-5.9491	-0.14509	-5.9538
0.98513	46.92163	65.00510	100.50000	0.27858	-5.9419	-0.14492	-5.9467
1.4777	47.41295	65.04014	100.50000	0.27825	-5.9348	-0.14474	-5.9395
1.9703	47.90427	65.07519	100.50000	0.27791	-5.9276	-0.14457	-5.9324
2.4628	48.39559	65.11024	100.50000	0.27758	-5.9205	-0.14439	-5.9253
2.9554	48.88690	65.14529	100.50000	0.27724	-5.9134	-0.14422	-5.9181
3.4480	49.37822	65.18034	100.50000	0.27691	-5.9062	-0.14405	-5.9110
3.9405	49.86954	65.21538	100.50000	0.27658	-5.8991	-0.14387	-5.9038
4.4331	50.36086	65.25043	100.50000	0.27624	-5.8920	-0.14370	-5.8967
4.9257	50.85217	65.28548	100.50000	0.27591	-5.8849	-0.14352	-5.8896
5.4182	51.34349	65.32053	100.50000	0.27557	-5.8777	-0.14335	-5.8824
5.9108	51.83481	65.35558	100.50000	0.27524	-5.8706	-0.14318	-5.8753
6.4034	52.32612	65.39063	100.50000	0.27491	-5.8635	-0.14300	-5.8682
6.8959	52.81744	65.42567	100.50000	0.27457	-5.8564	-0.14283	-5.8611
7.3885	53.30876	65.46072	100.50000	0.27424	-5.8493	-0.14266	-5.8539
7.8811	53.80008	65.49577	100.50000	0.27391	-5.8421	-0.14248	-5.8468
8.3736	54.29139	65.53082	100.50000	0.27357	-5.8350	-0.14231	-5.8397
8.8662	54.78271	65.56587	100.50000	0.080389	-5.8181	-0.33380	-5.8091
9.3588	55.27403	65.60091	100.50000	-0.16851	-5.7873	-0.57987	-5.7607
9.8513	55.76535	65.63596	100.50000	-0.41244	-5.7443	-0.82012	-5.7004
10.344	56.25666	65.67101	100.50000	-0.62792	-5.6902	-1.0312	-5.6311
10.836	56.74798	65.70606	100.50000	-0.62217	-5.6381	-1.0218	-5.5795
11.329	57.23930	65.74111	100.50000	-0.61643	-5.5861	-1.0123	-5.5281
11.822	57.73062	65.77615	100.50000	-0.61070	-5.5342	-1.0029	-5.4767
12.314	58.22193	65.81120	100.50000	-0.60498	-5.4824	-0.99354	-5.4254
12.807	58.71325	65.84625	100.50000	-0.59927	-5.4306	-0.98417	-5.3742
13.299	59.20457	65.88130	100.50000	-0.59357	-5.3790	-0.97481	-5.3231
13.792	59.69588	65.91635	100.50000	-0.58788	-5.3274	-0.96546	-5.2721
14.284	60.18720	65.95139	100.50000	-0.58220	-5.2759	-0.95613	-5.2211
14.777	60.67852	65.98644	100.50000	-0.57653	-5.2245	-0.94681	-5.1702
15.270	61.16984	66.02149	100.50000	-0.57087	-5.1732	-0.93751	-5.1195
15.762	61.66115	66.05654	100.50000	-0.56521	-5.1219	-0.92823	-5.0687
16.255	62.15247	66.09159	100.50000	-0.55957	-5.0708	-0.91895	-5.0181
16.747	62.64379	66.12663	100.50000	-0.55393	-5.0197	-0.90969	-4.9675
17.240	63.13511	66.16168	100.50000	-0.54830	-4.9687	-0.90045	-4.9171
17.732	63.62642	66.19673	100.50000	-0.54268	-4.9177	-0.89122	-4.8666
18.225	64.11774	66.23178	100.50000	-0.53708	-4.8668	-0.88201	-4.8163
18.718	64.60906	66.26683	100.50000	-0.63976	-4.6894	-0.97181	-4.6320
19.210	65.10038	66.30187	100.50000	-0.73664	-4.5072	-1.0555	-4.4434
19.703	65.59169	66.33692	100.50000	-0.82694	-4.3216	-1.1323	-4.2518
20.195	66.08301	66.37197	100.50000	-0.91000	-4.1335	-1.2018	-4.0583
20.688	66.57433	66.40702	100.50000	-0.98526	-3.9441	-1.2634	-3.8640
21.180	67.06564	66.44207	100.50000	-1.0523	-3.7544	-1.3167	-3.6700
21.673	67.55696	66.47712	100.50000	-1.1106	-3.5650	-1.3615	-3.4770
22.165	68.04828	66.51216	100.50000	-1.1601	-3.3769	-1.3974	-3.2858
22.658	68.53960	66.54721	100.50000	-1.2004	-3.1907	-1.4244	-3.0972
23.151	69.03091	66.58226	100.50000	-1.2316	-3.0068	-1.4424	-2.9116
23.643	69.52223	66.61731	100.50000	-1.2536	-2.8259	-1.4515	-2.7295
24.136	70.01355	66.65236	100.50000	-1.2663	-2.6482	-1.4515	-2.5513
24.628	70.50487	66.68740	100.50000	-1.2700	-2.4740	-1.4428	-2.3774
25.121	70.99618	66.72245	100.50000	-1.2647	-2.3037	-1.4254	-2.2078
25.613	71.48750	66.75750	100.50000	-1.2506	-2.1373	-1.3995	-2.0429

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
26.106	71.97882	66.79255	100.50000	-1.2278	-1.9750	-1.3653	-1.8827
26.599	72.47013	66.82760	100.50000	-1.1967	-1.8169	-1.3230	-1.7271
27.091	72.96145	66.86264	100.50000	-1.1574	-1.6629	-1.2728	-1.5764
27.584	73.45277	66.89769	100.50000	-1.1102	-1.5131	-1.2150	-1.4303
28.076	73.94409	66.93274	100.50000	-1.0553	-1.3675	-1.1499	-1.2889
28.569	74.43540	66.96779	100.50000	-0.99291	-1.2259	-1.0776	-1.1521
29.061	74.92672	67.00284	100.50000	-0.92335	-1.0882	-0.99844	-1.0198
29.554	75.41804	67.03788	100.50000	-0.86087	-0.97025	-0.92772	-0.90654
30.047	75.90936	67.07293	100.50000	-0.81038	-0.87493	-0.87058	-0.81505
30.539	76.40067	67.10798	100.50000	-0.75527	-0.78237	-0.80903	-0.72664
31.032	76.89199	67.14303	100.50000	-0.69573	-0.69249	-0.74324	-0.64123
31.524	77.38331	67.17808	100.50000	-0.63194	-0.60523	-0.67340	-0.55873
32.017	77.87463	67.21313	100.50000	-0.56407	-0.52050	-0.59968	-0.47905
32.509	78.36594	67.24817	100.50000	-0.49229	-0.43823	-0.52223	-0.40209
33.002	78.85726	67.28322	100.50000	-0.41678	-0.35833	-0.44122	-0.32776
33.494	79.34858	67.31827	100.50000	-0.33769	-0.28071	-0.35681	-0.25597
33.987	79.83989	67.35332	100.50000	-0.25517	-0.20531	-0.26913	-0.18663
34.480	80.33121	67.38837	100.50000	-0.16937	-0.13204	-0.17834	-0.11965
34.972	80.82253	67.42341	100.50000	-0.080442	-0.060815	-0.084565	-0.054937
35.465	81.31385	67.45846	100.50000	0.0	0.0	0.0	0.0
35.957	81.80516	67.49351	100.50000	0.0	0.0	0.0	0.0
36.450	82.29648	67.52856	100.50000	0.0	0.0	0.0	0.0
36.942	82.78780	67.56361	100.50000	0.0	0.0	0.0	0.0
37.435	83.27912	67.59865	100.50000	0.0	0.0	0.0	0.0
37.928	83.77043	67.63370	100.50000	0.0	0.0	0.0	0.0
38.420	84.26175	67.66875	100.50000	0.0	0.0	0.0	0.0
38.913	84.75307	67.70380	100.50000	0.0	0.0	0.0	0.0
39.405	85.24438	67.73885	100.50000	0.0	0.0	0.0	0.0
39.898	85.73570	67.77389	100.50000	0.0	0.0	0.0	0.0
40.390	86.22702	67.80894	100.50000	0.0	0.0	0.0	0.0
40.883	86.71834	67.84399	100.50000	0.0	0.0	0.0	0.0
41.376	87.20965	67.87904	100.50000	0.0	0.0	0.0	0.0
41.868	87.70097	67.91409	100.50000	0.0	0.0	0.0	0.0
42.361	88.19229	67.94913	100.50000	0.0	0.0	0.0	0.0
42.853	88.68361	67.98418	100.50000	0.0	0.0	0.0	0.0
43.346	89.17492	68.01923	100.50000	0.0	0.0	0.0	0.0
43.838	89.66624	68.05428	100.50000	0.0	0.0	0.0	0.0
44.331	90.15756	68.08933	100.50000	0.0	0.0	0.0	0.0
44.823	90.64888	68.12438	100.50000	0.0	0.0	0.0	0.0
45.316	91.14019	68.15942	100.50000	0.0	0.0	0.0	0.0
45.809	91.63151	68.19447	100.50000	0.0	0.0	0.0	0.0
46.301	92.12283	68.22952	100.50000	0.0	0.0	0.0	0.0
46.794	92.61414	68.26457	100.50000	0.0	0.0	0.0	0.0
47.286	93.10546	68.29962	100.50000	0.0	0.0	0.0	0.0
47.779	93.59678	68.33466	100.50000	0.0	0.0	0.0	0.0
48.271	94.08810	68.36971	100.50000	0.0	0.0	0.0	0.0
48.764	94.57941	68.40476	100.50000	0.0	0.0	0.0	0.0
49.257	95.07073	68.43981	100.50000	0.0	0.0	0.0	0.0
49.749	95.56205	68.47486	100.50000	0.0	0.0	0.0	0.0
50.242	96.05337	68.50990	100.50000	0.0	0.0	0.0	0.0
50.734	96.54468	68.54495	100.50000	0.0	0.0	0.0	0.0
51.227	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0

Structure: DH-3 | Sub-structure: DH-3

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	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0
0.48909	96.99859	69.06765	100.50000	0.0	0.0	0.0	0.0
0.97817	96.96117	69.55530	100.50000	0.0	0.0	0.0	0.0
1.4673	96.92376	70.04296	100.50000	0.0	0.0	0.0	0.0
1.9563	96.88635	70.53061	100.50000	0.0	0.0	0.0	0.0
2.4454	96.84893	71.01826	100.50000	0.0	0.0	0.0	0.0
2.9345	96.81152	71.50591	100.50000	0.0	0.0	0.0	0.0
3.4236	96.77411	71.99357	100.50000	0.0	0.0	0.0	0.0
3.9127	96.73670	72.48122	100.50000	0.0	0.0	0.0	0.0
4.4018	96.69928	72.96887	100.50000	0.0	0.0	0.0	0.0
4.8909	96.66187	73.45652	100.50000	0.0	0.0	0.0	0.0
5.3799	96.62446	73.94417	100.50000	0.0	0.0	0.0	0.0
5.8690	96.58704	74.43183	100.50000	0.0	0.0	0.0	0.0
6.3581	96.54963	74.91948	100.50000	0.0	0.0	0.0	0.0
6.8472	96.51222	75.40713	100.50000	0.0	0.0	0.0	0.0
7.3363	96.47480	75.89478	100.50000	0.0	0.0	0.0	0.0
7.8254	96.43739	76.38243	100.50000	0.0	0.0	0.0	0.0
8.3144	96.39998	76.87009	100.50000	0.0	0.0	0.0	0.0
8.8035	96.36257	77.35774	100.50000	0.0	0.0	0.0	0.0
9.2926	96.32515	77.84539	100.50000	0.0	0.0	0.0	0.0
9.7817	96.28774	78.33304	100.50000	0.0	0.0	0.0	0.0
10.271	96.25033	78.82070	100.50000	0.0	0.0	0.0	0.0
10.760	96.21291	79.30835	100.50000	0.0	0.0	0.0	0.0
11.249	96.17550	79.79600	100.50000	0.0	0.0	0.0	0.0
11.738	96.13809	80.28365	100.50000	0.0	0.0	0.0	0.0
12.227	96.10067	80.77130	100.50000	0.0	0.0	0.0	0.0
12.716	96.06326	81.25896	100.50000	0.0	0.0	0.0	0.0
13.205	96.02585	81.74661	100.50000	0.0	0.0	0.0	0.0
13.694	95.98843	82.23426	100.50000	0.0	0.0	0.0	0.0
14.183	95.95102	82.72191	100.50000	0.0	0.0	0.0	0.0
14.673	95.91361	83.20957	100.50000	0.0	0.0	0.0	0.0
15.162	95.87620	83.69722	100.50000	0.0	0.0	0.0	0.0
15.651	95.83878	84.18487	100.50000	0.0	0.0	0.0	0.0
16.140	95.80137	84.67252	100.50000	0.0	0.0	0.0	0.0
16.629	95.76396	85.16017	100.50000	0.0	0.0	0.0	0.0
17.118	95.72654	85.64783	100.50000	0.0	0.0	0.0	0.0
17.607	95.68913	86.13548	100.50000	0.0	0.0	0.0	0.0
18.096	95.65172	86.62313	100.50000	0.0	0.0	0.0	0.0
18.585	95.61430	87.11078	100.50000	0.0	0.0	0.0	0.0
19.074	95.57689	87.59843	100.50000	0.0	0.0	0.0	0.0
19.563	95.53948	88.08609	100.50000	0.0	0.0	0.0	0.0
20.052	95.50207	88.57374	100.50000	0.0	0.0	0.0	0.0
20.542	95.46465	89.06139	100.50000	0.0	0.0	0.0	0.0
21.031	95.42724	89.54904	100.50000	0.0	0.0	0.0	0.0
21.520	95.38983	90.03670	100.50000	0.0	0.0	0.0	0.0
22.009	95.35241	90.52435	100.50000	0.0	0.0	0.0	0.0
22.498	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0

Structure: DH-4 | Sub-structure: DH-4

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	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0
0.47118	94.84520	90.97595	100.50000	0.0	0.0	0.0	0.0
0.94236	94.37540	90.93990	100.50000	0.0	0.0	0.0	0.0
1.4135	93.90560	90.90385	100.50000	0.0	0.0	0.0	0.0
1.8847	93.43580	90.86780	100.50000	0.0	0.0	0.0	0.0
2.3559	92.96600	90.83175	100.50000	0.0	0.0	0.0	0.0
2.8271	92.49620	90.79570	100.50000	0.0	0.0	0.0	0.0
3.2983	92.02640	90.75965	100.50000	0.0	0.0	0.0	0.0
3.7694	91.55660	90.72360	100.50000	0.0	0.0	0.0	0.0
4.2406	91.08680	90.68755	100.50000	0.0	0.0	0.0	0.0
4.7118	90.61700	90.65150	100.50000	0.0	0.0	0.0	0.0
5.1830	90.14720	90.61545	100.50000	0.0	0.0	0.0	0.0
5.6542	89.67740	90.57940	100.50000	0.0	0.0	0.0	0.0
6.1254	89.20760	90.54335	100.50000	0.0	0.0	0.0	0.0
6.5965	88.73780	90.50730	100.50000	0.0	0.0	0.0	0.0
7.0677	88.26800	90.47125	100.50000	0.0	0.0	0.0	0.0
7.5389	87.79820	90.43520	100.50000	0.0	0.0	0.0	0.0
8.0101	87.32840	90.39915	100.50000	0.0	0.0	0.0	0.0
8.4813	86.85860	90.36310	100.50000	0.0	0.0	0.0	0.0
8.9524	86.38880	90.32705	100.50000	0.0	0.0	0.0	0.0
9.4236	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular

Structure: DH-5 | Sub-structure: DH-5

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	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0
0.48006	85.95573	89.81235	100.50000	0.0	0.0	0.0	0.0
0.96012	85.99246	89.33369	100.50000	0.0	0.0	0.0	0.0
1.4402	86.02919	88.85504	100.50000	0.0	0.0	0.0	0.0
1.9202	86.06592	88.37638	100.50000	0.0	0.0	0.0	0.0
2.4003	86.10265	87.89773	100.50000	0.0	0.0	0.0	0.0
2.8804	86.13938	87.41908	100.50000	0.0	0.0	0.0	0.0
3.3604	86.17612	86.94042	100.50000	0.0	0.0	0.0	0.0
3.8405	86.21285	86.46177	100.50000	0.0	0.0	0.0	0.0
4.3205	86.24958	85.98312	100.50000	0.0	0.0	0.0	0.0
4.8006	86.28631	85.50446	100.50000	0.0	0.0	0.0	0.0
5.2807	86.32304	85.02581	100.50000	0.0	0.0	0.0	0.0
5.7607	86.35977	84.54715	100.50000	0.0	0.0	0.0	0.0
6.2408	86.39650	84.06850	100.50000	0.0	0.0	0.0	0.0
6.7209	86.43323	83.58985	100.50000	0.0	0.0	0.0	0.0
7.2009	86.46996	83.11119	100.50000	0.0	0.0	0.0	0.0
7.6810	86.50669	82.63254	100.50000	0.0	0.0	0.0	0.0
8.1610	86.54342	82.15388	100.50000	0.0	0.0	0.0	0.0
8.6411	86.58015	81.67523	100.50000	0.0	0.0	0.0	0.0
9.1212	86.61688	81.19658	100.50000	0.0	0.0	0.0	0.0
9.6012	86.65362	80.71792	100.50000	0.0	0.0	0.0	0.0
10.081	86.69035	80.23927	100.50000	0.0	0.0	0.0	0.0
10.561	86.72708	79.76062	100.50000	0.0	0.0	0.0	0.0
11.041	86.76381	79.28196	100.50000	0.0	0.0	0.0	0.0
11.521	86.80054	78.80331	100.50000	0.0	0.0	0.0	0.0
12.002	86.83727	78.32465	100.50000	0.0	0.0	0.0	0.0
12.482	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0

Structure: DH-6 | Sub-structure: DH-6

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	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0
0.49556	86.37989	77.80809	100.50000	0.0	0.0	0.0	0.0
0.99112	85.88579	77.77018	100.50000	0.0	0.0	0.0	0.0
1.4867	85.39168	77.73227	100.50000	0.0	0.0	0.0	0.0
1.9822	84.89758	77.69436	100.50000	0.0	0.0	0.0	0.0
2.4778	84.40347	77.65645	100.50000	0.0	0.0	0.0	0.0
2.9733	83.90936	77.61855	100.50000	0.0	0.0	0.0	0.0
3.4689	83.41526	77.58064	100.50000	0.0	0.0	0.0	0.0
3.9645	82.92115	77.54273	100.50000	0.0	0.0	0.0	0.0
4.4600	82.42705	77.50482	100.50000	0.0	0.0	0.0	0.0
4.9556	81.93294	77.46691	100.50000	0.0	0.0	0.0	0.0
5.4511	81.43883	77.42900	100.50000	0.0	0.0	0.0	0.0
5.9467	80.94473	77.39109	100.50000	0.0	0.0	0.0	0.0
6.4423	80.45062	77.35318	100.50000	0.0	0.0	0.0	0.0
6.9378	79.95652	77.31527	100.50000	0.0	0.0	0.0	0.0
7.4334	79.46241	77.27736	100.50000	0.0	0.0	0.0	0.0
7.9289	78.96830	77.23945	100.50000	0.0	0.0	0.0	0.0
8.4245	78.47420	77.20155	100.50000	0.0	0.0	0.0	0.0
8.9200	77.98009	77.16364	100.50000	0.0	0.0	0.0	0.0
9.4156	77.48598	77.12573	100.50000	0.0	0.0	0.0	0.0
9.9112	76.99188	77.08782	100.50000	0.0	0.0	0.0	0.0
10.407	76.49777	77.04991	100.50000	0.0	0.0	0.0	0.0
10.902	76.00367	77.01200	100.50000	0.0	0.0	0.0	0.0
11.398	75.50956	76.97409	100.50000	0.0	0.0	0.0	0.0
11.893	75.01545	76.93618	100.50000	0.0	0.0	0.0	0.0
12.389	74.52135	76.89827	100.50000	0.0	0.0	0.0	0.0
12.885	74.02724	76.86036	100.50000	0.0	0.0	0.0	0.0
13.380	73.53314	76.82245	100.50000	0.0	0.0	0.0	0.0
13.876	73.03903	76.78455	100.50000	0.0	0.0	0.0	0.0
14.371	72.54492	76.74664	100.50000	0.0	0.0	0.0	0.0
14.867	72.05082	76.70873	100.50000	0.0	0.0	0.0	0.0
15.362	71.55671	76.67082	100.50000	0.0	0.0	0.0	0.0
15.858	71.06261	76.63291	100.50000	0.0	0.0	0.0	0.0
16.353	70.56850	76.59500	100.50000	0.0	0.0	0.0	0.0
16.849	70.07439	76.55709	100.50000	0.0	0.0	0.0	0.0
17.345	69.58029	76.51918	100.50000	0.0	0.0	0.0	0.0
17.840	69.08618	76.48127	100.50000	0.0	0.0	0.0	0.0
18.336	68.59208	76.44336	100.50000	0.0	0.0	0.0	0.0
18.831	68.09797	76.40545	100.50000	0.0	0.0	0.0	0.0
19.327	67.60386	76.36755	100.50000	0.0	0.0	0.0	0.0
19.822	67.10976	76.32964	100.50000	0.0	0.0	0.0	0.0
20.318	66.61565	76.29173	100.50000	-631.08E-6	-0.0041307	945.22E-6	0.0040703
20.813	66.12155	76.25382	100.50000	-0.0063422	-0.046115	0.0098513	0.045495
21.309	65.62744	76.21591	100.50000	-0.010496	-0.085633	0.017016	0.084579
21.805	65.13333	76.17800	100.50000	-0.013490	-0.12224	0.022802	0.12085
22.300	64.63923	76.14009	100.50000	-0.017269	-0.15649	0.029189	0.15471
22.796	64.14512	76.10218	100.50000	-0.021048	-0.19074	0.035577	0.18857
23.291	63.65102	76.06427	100.50000	-0.024827	-0.22498	0.041965	0.22242
23.787	63.15691	76.02636	100.50000	-0.028606	-0.25923	0.048353	0.25628
24.282	62.66280	75.98845	100.50000	-0.032385	-0.29347	0.054740	0.29014
24.778	62.16870	75.95055	100.50000	-0.036164	-0.32772	0.061128	0.32399
25.273	61.67459	75.91264	100.50000	-0.039943	-0.36197	0.067516	0.35785
25.769	61.18048	75.87473	100.50000	-0.043722	-0.39621	0.073904	0.39171
26.265	60.68638	75.83682	100.50000	-0.047501	-0.43046	0.080291	0.42556
26.760	60.19227	75.79891	100.50000	-0.051280	-0.46470	0.086679	0.45942
27.256	59.69817	75.76100	100.50000	-0.055060	-0.49895	0.093067	0.49327
27.751	59.20406	75.72309	100.50000	-0.058839	-0.53319	0.099454	0.52713
28.247	58.70995	75.68518	100.50000	-0.062618	-0.56744	0.10584	0.56099
28.742	58.21585	75.64727	100.50000	-0.066397	-0.60169	0.11223	0.59484
29.238	57.72174	75.60936	100.50000	-0.070176	-0.63593	0.11862	0.62870
29.733	57.22764	75.57145	100.50000	-0.071518	-0.67020	0.12258	0.66277
30.229	56.73353	75.53355	100.50000	-0.058890	-0.70224	0.11244	0.69568
30.725	56.23942	75.49564	100.50000	-0.044447	-0.73017	0.10017	0.72463
31.220	55.74532	75.45773	100.50000	-0.028479	-0.75393	0.086069	0.74954
31.716	55.25121	75.41982	100.50000	-0.011282	-0.77349	0.070419	0.77036
32.211	54.75711	75.38191	100.50000	0.0068366	-0.78879	0.053524	0.78701
32.707	54.26300	75.34400	100.50000	0.025562	-0.79982	0.035698	0.79943

Structure: DH-7 | Sub-structure: DH-7

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	54.26300	75.34400	100.50000	0.025562	-0.79982	-0.79943	0.035715
0.48103	54.22619	75.82362	100.50000	0.020425	-0.61991	-0.61966	0.027070
0.96205	54.18938	76.30323	100.50000	0.014913	-0.43999	-0.43984	0.018798
1.4431	54.15258	76.78285	100.50000	0.0090496	-0.26004	-0.25997	0.010875
1.9241	54.11577	77.26246	100.50000	0.0028564	-0.080081	-0.080064	0.0032797
2.4051	54.07896	77.74208	100.50000	0.0	0.0	0.0	0.0
2.8862	54.04215	78.22169	100.50000	0.0	0.0	0.0	0.0
3.3672	54.00535	78.70131	100.50000	0.0	0.0	0.0	0.0
3.8482	53.96854	79.18092	100.50000	0.0	0.0	0.0	0.0
4.3292	53.93173	79.66054	100.50000	0.0	0.0	0.0	0.0
4.8103	53.89492	80.14015	100.50000	0.0	0.0	0.0	0.0
5.2913	53.85812	80.61977	100.50000	0.0	0.0	0.0	0.0
5.7723	53.82131	81.09938	100.50000	0.0	0.0	0.0	0.0
6.2533	53.78450	81.57900	100.50000	0.0	0.0	0.0	0.0
6.7344	53.74769	82.05862	100.50000	0.0	0.0	0.0	0.0
7.2154	53.71088	82.53823	100.50000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
7.6964	53.67408	83.01785	100.50000	0.0	0.0	0.0	0.0
8.1774	53.63727	83.49746	100.50000	0.0	0.0	0.0	0.0
8.6585	53.60046	83.97708	100.50000	0.0	0.0	0.0	0.0
9.1395	53.56365	84.45669	100.50000	0.0	0.0	0.0	0.0
9.6205	53.52685	84.93631	100.50000	0.0	0.0	0.0	0.0
10.102	53.49004	85.41592	100.50000	0.0	0.0	0.0	0.0
10.583	53.45323	85.89554	100.50000	0.0	0.0	0.0	0.0
11.064	53.41642	86.37515	100.50000	0.0	0.0	0.0	0.0
11.545	53.37962	86.85477	100.50000	0.0	0.0	0.0	0.0
12.026	53.34281	87.33438	100.50000	0.0	0.0	0.0	0.0
12.507	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0

Structure: DH-8 | Sub-structure: DH-8

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	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0
0.48457	52.82250	87.78178	100.50000	0.0	0.0	0.0	0.0
0.96915	52.33900	87.74956	100.50000	0.0	0.0	0.0	0.0
1.4537	51.85550	87.71733	100.50000	0.0	0.0	0.0	0.0
1.9383	51.37200	87.68511	100.50000	0.0	0.0	0.0	0.0
2.4229	50.88850	87.65289	100.50000	0.0	0.0	0.0	0.0
2.9074	50.40500	87.62067	100.50000	0.0	0.0	0.0	0.0
3.3920	49.92150	87.58844	100.50000	0.0	0.0	0.0	0.0
3.8766	49.43800	87.55622	100.50000	0.0	0.0	0.0	0.0
4.3612	48.95450	87.52400	100.50000	0.0	0.0	0.0	0.0
4.8457	48.47100	87.49178	100.50000	0.0	0.0	0.0	0.0
5.3303	47.98750	87.45956	100.50000	0.0	0.0	0.0	0.0
5.8149	47.50400	87.42733	100.50000	0.0	0.0	0.0	0.0
6.2994	47.02050	87.39511	100.50000	0.0	0.0	0.0	0.0
6.7840	46.53700	87.36289	100.50000	0.0	0.0	0.0	0.0
7.2686	46.05350	87.33067	100.50000	0.0	0.0	0.0	0.0
7.7532	45.57000	87.29844	100.50000	0.0	0.0	0.0	0.0
8.2377	45.08650	87.26622	100.50000	0.0	0.0	0.0	0.0
8.7223	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: GVA-1 | Sub-structure: GVA-1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	9.25200	89.52300	100.50000	0.0
0.48595	9.22654	89.03772	100.50000	0.0
0.97189	9.20108	88.55244	100.50000	0.0
1.4578	9.17562	88.06716	100.50000	0.0
1.9438	9.15016	87.58188	100.50000	0.0
2.4297	9.12470	87.09660	100.50000	0.0
2.9157	9.09924	86.61132	100.50000	0.0
3.4016	9.07378	86.12604	100.50000	0.0
3.8876	9.04832	85.64076	100.50000	0.0
4.3735	9.02286	85.15548	100.50000	0.0
4.8595	8.99740	84.67020	100.50000	0.0
5.3454	8.97194	84.18492	100.50000	0.0
5.8314	8.94648	83.69964	100.50000	0.0
6.3173	8.92102	83.21436	100.50000	0.0
6.8033	8.89556	82.72908	100.50000	0.0
7.2892	8.87010	82.24380	100.50000	0.0
7.7752	8.84464	81.75852	100.50000	0.0
8.2611	8.81918	81.27324	100.50000	0.0
8.7471	8.79372	80.78796	100.50000	0.0
9.2330	8.76826	80.30268	100.50000	0.0
9.7189	8.74280	79.81740	100.50000	0.0
10.205	8.71734	79.33212	100.50000	0.0
10.691	8.69188	78.84684	100.50000	0.0
11.177	8.66642	78.36156	100.50000	0.0
11.663	8.64096	77.87628	100.50000	0.0
12.149	8.61550	77.39100	100.50000	0.0
12.635	8.59004	76.90572	100.50000	0.0
13.121	8.56458	76.42044	100.50000	0.0
13.607	8.53912	75.93516	100.50000	0.0
14.092	8.51366	75.44988	100.50000	0.0
14.578	8.48820	74.96460	100.50000	0.0
15.064	8.46274	74.47932	100.50000	0.0
15.550	8.43728	73.99404	100.50000	0.0
16.036	8.41182	73.50876	100.50000	0.0
16.522	8.38636	73.02348	100.50000	0.0
17.008	8.36090	72.53820	100.50000	0.0
17.494	8.33544	72.05292	100.50000	0.0
17.980	8.30998	71.56764	100.50000	0.0
18.466	8.28452	71.08236	100.50000	0.0
18.952	8.25906	70.59708	100.50000	0.0
19.438	8.23360	70.11180	100.50000	0.0
19.924	8.20814	69.62652	100.50000	0.0
20.410	8.18268	69.14124	100.50000	0.0
20.896	8.15722	68.65596	100.50000	0.0
21.382	8.13176	68.17068	100.50000	0.0
21.868	8.10630	67.68540	100.50000	0.0
22.354	8.08084	67.20012	100.50000	0.0
22.840	8.05538	66.71484	100.50000	0.0
23.325	8.02992	66.22956	100.50000	0.0
23.811	8.00446	65.74428	100.50000	0.0
24.297	7.97900	65.25900	100.50000	0.0

Structure: GVA-2 | Sub-structure: GVA-2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	7.97900	65.25900	100.50000	0.0
0.48050	7.95067	64.77933	100.50000	0.0
0.96101	7.92233	64.29967	100.50000	0.0
1.4415	7.89400	63.82000	100.50000	0.0
1.9220	7.86567	63.34033	100.50000	0.0
2.4025	7.83733	62.86067	100.50000	0.0
2.8830	7.80900	62.38100	100.50000	0.0

Structure: GVA-3 | Sub-structure: GVA-3

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	7.80900	62.38100	100.50000	0.0
0.47715	8.28487	62.34613	100.50000	0.0
0.95430	8.76075	62.31125	100.50000	0.0
1.4315	9.23663	62.27638	100.50000	0.0
1.9086	9.71250	62.24150	100.50000	0.0
2.3858	10.18838	62.20662	100.50000	0.0
2.8629	10.66425	62.17175	100.50000	0.0
3.3401	11.14012	62.13687	100.50000	0.0
3.8172	11.61600	62.10200	100.50000	0.0

Structure: GVA-4 | Sub-structure: GVA-4

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

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	11.61600	62.10200	100.50000	0.0
0.47359	11.65050	62.57433	100.50000	0.0
0.94718	11.68500	63.04667	100.50000	0.0
1.4208	11.71950	63.51900	100.50000	0.0
1.8944	11.75400	63.99133	100.50000	0.0
2.3680	11.78850	64.46367	100.50000	0.0
2.8415	11.82300	64.93600	100.50000	0.0

Structure: GVA-5 | Sub-structure: GVA-5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	11.82300	64.93600	100.50000	0.0
0.48843	12.31013	64.90031	100.50000	0.0
0.97686	12.79725	64.86463	100.50000	0.0
1.4653	13.28438	64.82894	100.50000	0.0
1.9537	13.77150	64.79325	100.50000	0.0
2.4422	14.25863	64.75756	100.50000	0.0
2.9306	14.74575	64.72187	100.50000	0.029092
3.4190	15.23288	64.68619	100.50000	0.11849
3.9074	15.72000	64.65050	100.50000	0.20756
4.3959	16.20713	64.61481	100.50000	0.30755
4.8843	16.69425	64.57913	100.50000	0.42542
5.3727	17.18138	64.54344	100.50000	0.53683
5.8612	17.66850	64.50775	100.50000	0.64367
6.3496	18.15563	64.47206	100.50000	0.74769
6.8380	18.64275	64.43637	100.50000	0.85046
7.3265	19.12988	64.40069	100.50000	0.95341
7.8149	19.61700	64.36500	100.50000	1.0578

Structure: GVA-6 | Sub-structure: GVA-6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.61700	64.36500	100.50000	1.0578
0.49248	19.58100	63.87383	100.50000	1.1163
0.98497	19.54500	63.38267	100.50000	1.1735
1.4775	19.50900	62.89150	100.50000	1.2293
1.9699	19.47300	62.40033	100.50000	1.2837
2.4624	19.43700	61.90917	100.50000	1.3364
2.9549	19.40100	61.41800	100.50000	1.3873

Structure: GVA-7 | Sub-structure: GVA-7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.40100	61.41800	100.50000	1.3873
0.46449	19.86425	61.38412	100.50000	1.5113
0.92897	20.32750	61.35025	100.50000	1.6418
1.3935	20.79075	61.31638	100.50000	1.7792
1.8579	21.25400	61.28250	100.50000	1.9242
2.3224	21.71725	61.24862	100.50000	2.0767
2.7869	22.18050	61.21475	100.50000	2.2372
3.2514	22.64375	61.18088	100.50000	2.4054
3.7159	23.10700	61.14700	100.50000	2.5814

Structure: GVA-8 | Sub-structure: GVA-8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.10700	61.14700	100.50000	2.5814
0.49250	23.13267	61.63883	100.50000	2.4823
0.98501	23.15833	62.13067	100.50000	2.3811
1.4775	23.18400	62.62250	100.50000	2.2785
1.9700	23.20967	63.11433	100.50000	2.1750
2.4625	23.23533	63.60617	100.50000	2.0712
2.9550	23.26100	64.09800	100.50000	1.9676

Structure: GVA-9 | Sub-structure: GVA-9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.26100	64.09800	100.50000	1.9676
0.49313	23.28670	64.59046	100.50000	1.8646
0.98626	23.31240	65.08292	100.50000	1.7627
1.4794	23.33810	65.57538	100.50000	1.6622
1.9725	23.36380	66.06784	100.50000	1.5634
2.4657	23.38950	66.56030	100.50000	1.4664
2.9588	23.41520	67.05276	100.50000	1.3714
3.4519	23.44090	67.54522	100.50000	1.2781
3.9450	23.46660	68.03768	100.50000	1.1866
4.4382	23.49230	68.53014	100.50000	1.0966
4.9313	23.51800	69.02260	100.50000	1.0077
5.4244	23.54370	69.51506	100.50000	0.91934
5.9176	23.56940	70.00752	100.50000	0.83096
6.4107	23.59510	70.49998	100.50000	0.74178
6.9038	23.62080	70.99244	100.50000	0.65091
7.3970	23.64650	71.48490	100.50000	0.55729
7.8901	23.67220	71.97736	100.50000	0.45976
8.3832	23.69790	72.46982	100.50000	0.35697
8.8763	23.72360	72.96228	100.50000	0.25330
9.3695	23.74930	73.45474	100.50000	0.17318
9.8626	23.77500	73.94720	100.50000	0.092387
10.356	23.80070	74.43966	100.50000	0.010945
10.849	23.82640	74.93212	100.50000	0.0
11.342	23.85210	75.42458	100.50000	0.0
11.835	23.87780	75.91704	100.50000	0.0
12.328	23.90350	76.40950	100.50000	0.0
12.821	23.92920	76.90196	100.50000	0.0
13.315	23.95490	77.39442	100.50000	0.0
13.808	23.98060	77.88688	100.50000	0.0
14.301	24.00630	78.37934	100.50000	0.0
14.794	24.03200	78.87180	100.50000	0.0
15.287	24.05770	79.36426	100.50000	0.0
15.780	24.08340	79.85672	100.50000	0.0
16.273	24.10910	80.34918	100.50000	0.0
16.766	24.13480	80.84164	100.50000	0.0
17.260	24.16050	81.33410	100.50000	0.0
17.753	24.18620	81.82656	100.50000	0.0
18.246	24.21190	82.31902	100.50000	0.0
18.739	24.23760	82.81148	100.50000	0.0
19.232	24.26330	83.30394	100.50000	0.0
19.725	24.28900	83.79640	100.50000	0.0
20.218	24.31470	84.28886	100.50000	0.0

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
20.711	24.34040	84.78132	100.50000	0.0
21.205	24.36610	85.27378	100.50000	0.0
21.698	24.39180	85.76624	100.50000	0.0
22.191	24.41750	86.25870	100.50000	0.0
22.684	24.44320	86.75116	100.50000	0.0
23.177	24.46890	87.24362	100.50000	0.0
23.670	24.49460	87.73608	100.50000	0.0
24.163	24.52030	88.22854	100.50000	0.0
24.657	24.54600	88.72100	100.50000	0.0

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.54600	88.72100	100.50000	0.0
0.47859	24.06806	88.74606	100.50000	0.0
0.95719	23.59013	88.77112	100.50000	0.0
1.4358	23.11219	88.79619	100.50000	0.0
1.9144	22.63425	88.82125	100.50000	0.0
2.3930	22.15631	88.84631	100.50000	0.0
2.8716	21.67837	88.87138	100.50000	0.0
3.3502	21.20044	88.89644	100.50000	0.0
3.8288	20.72250	88.92150	100.50000	0.0
4.3073	20.24456	88.94656	100.50000	0.0
4.7859	19.76662	88.97163	100.50000	0.0
5.2645	19.28869	88.99669	100.50000	0.0
5.7431	18.81075	89.02175	100.50000	0.0
6.2217	18.33281	89.04681	100.50000	0.0
6.7003	17.85488	89.07188	100.50000	0.0
7.1789	17.37694	89.09694	100.50000	0.0
7.6575	16.89900	89.12200	100.50000	0.0
8.1361	16.42106	89.14706	100.50000	0.0
8.6147	15.94313	89.17212	100.50000	0.0
9.0933	15.46519	89.19719	100.50000	0.0
9.5719	14.98725	89.22225	100.50000	0.0
10.050	14.50931	89.24731	100.50000	0.0
10.529	14.03138	89.27237	100.50000	0.0
11.008	13.55344	89.29744	100.50000	0.0
11.486	13.07550	89.32250	100.50000	0.0
11.965	12.59756	89.34756	100.50000	0.0
12.443	12.11963	89.37262	100.50000	0.0
12.922	11.64169	89.39769	100.50000	0.0
13.401	11.16375	89.42275	100.50000	0.0
13.879	10.68581	89.44781	100.50000	0.0
14.358	10.20788	89.47288	100.50000	0.0
14.836	9.72994	89.49794	100.50000	0.0
15.315	9.25200	89.52300	100.50000	0.0

Structure: GE-1 | Sub-structure: GE-1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.56700	64.11000	100.50000	3.6013
0.49454	29.06094	64.13431	100.50000	3.7441
0.98907	29.55487	64.15863	100.50000	3.8824
1.4836	30.04881	64.18294	100.50000	4.0151
1.9781	30.54275	64.20725	100.50000	4.1413
2.4727	31.03669	64.23156	100.50000	4.2600
2.9672	31.53063	64.25588	100.50000	4.3704
3.4617	32.02456	64.28019	100.50000	4.4716
3.9563	32.51850	64.30450	100.50000	4.5628
4.4508	33.01244	64.32881	100.50000	4.6433
4.9454	33.50637	64.35312	100.50000	4.7126
5.4399	34.00031	64.37744	100.50000	4.7700
5.9344	34.49425	64.40175	100.50000	4.8152
6.4290	34.98819	64.42606	100.50000	4.8477
6.9235	35.48212	64.45037	100.50000	4.8674
7.4180	35.97606	64.47469	100.50000	4.8741
7.9126	36.47000	64.49900	100.50000	4.8734

Structure: GE-2 | Sub-structure: GE-2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.47000	64.49900	100.50000	4.8734
0.49291	36.44014	64.99100	100.50000	4.5801
0.98581	36.41029	65.48300	100.50000	4.2927
1.4787	36.38043	65.97500	100.50000	4.0126
1.9716	36.35057	66.46700	100.50000	3.7411
2.4645	36.32071	66.95900	100.50000	3.4792
2.9574	36.29086	67.45100	100.50000	3.2278
3.4503	36.26100	67.94300	100.50000	2.9877
3.9432	36.23114	68.43500	100.50000	2.7592
4.4361	36.20129	68.92700	100.50000	2.5427
4.9291	36.17143	69.41900	100.50000	2.3383
5.4220	36.14157	69.91100	100.50000	2.1460
5.9149	36.11171	70.40300	100.50000	1.9655
6.4078	36.08186	70.89500	100.50000	1.7963
6.9007	36.05200	71.38700	100.50000	1.6379
7.3936	36.02214	71.87900	100.50000	1.4893
7.8865	35.99229	72.37100	100.50000	1.3496
8.3794	35.96243	72.86300	100.50000	1.2177
8.8723	35.93257	73.35500	100.50000	1.0920
9.3652	35.90271	73.84700	100.50000	0.97110
9.8581	35.87286	74.33900	100.50000	0.85316
10.351	35.84300	74.83100	100.50000	0.73624
10.844	35.81314	75.32300	100.50000	0.61821
11.337	35.78329	75.81500	100.50000	0.49675
11.830	35.75343	76.30700	100.50000	0.36934
12.323	35.72357	76.79900	100.50000	0.24338
12.816	35.69371	77.29100	100.50000	0.14481
13.308	35.66386	77.78300	100.50000	0.046239
13.801	35.63400	78.27500	100.50000	0.0

Structure: GE-3 | Sub-structure: GE-3

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	35.63400	78.27500	100.50000	0.0
0.47806	35.15681	78.24606	100.50000	0.0
0.95613	34.67963	78.21713	100.50000	0.0
1.4342	34.20244	78.18819	100.50000	0.0
1.9123	33.72525	78.15925	100.50000	0.0
2.3903	33.24806	78.13031	100.50000	0.0
2.8684	32.77087	78.10138	100.50000	0.0
3.3464	32.29369	78.07244	100.50000	0.0
3.8245	31.81650	78.04350	100.50000	0.0
4.3026	31.33931	78.01456	100.50000	0.0
4.7806	30.86212	77.98562	100.50000	0.0
5.2587	30.38494	77.95669	100.50000	0.0
5.7368	29.90775	77.92775	100.50000	0.0
6.2148	29.43056	77.89881	100.50000	0.0
6.6929	28.95338	77.86987	100.50000	0.0
7.1710	28.47619	77.84094	100.50000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
7.6490	27.99900	77.81200	100.50000	0.0

Structure: GE-4 | Sub-structure: GE-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.99900	77.81200	100.50000	0.0
0.48978	28.01929	77.32264	100.50000	0.0
0.97955	28.03957	76.83329	100.50000	0.0
1.4693	28.05986	76.34393	100.50000	0.035527
1.9591	28.08014	75.85457	100.50000	0.12071
2.4489	28.10043	75.36521	100.50000	0.22169
2.9387	28.12071	74.87586	100.50000	0.33240
3.4284	28.14100	74.38650	100.50000	0.45427
3.9182	28.16129	73.89714	100.50000	0.56981
4.4080	28.18157	73.40779	100.50000	0.68119
4.8978	28.20186	72.91843	100.50000	0.79035
5.3876	28.22214	72.42907	100.50000	0.89911
5.8773	28.24243	71.93971	100.50000	1.0091
6.3671	28.26271	71.45036	100.50000	1.1217
6.8569	28.28300	70.96100	100.50000	1.2382
7.3467	28.30329	70.47164	100.50000	1.3597
7.8364	28.32357	69.98229	100.50000	1.4873
8.3262	28.34386	69.49293	100.50000	1.6215
8.8160	28.36414	69.00357	100.50000	1.7631
9.3058	28.38443	68.51421	100.50000	1.9124
9.7955	28.40471	68.02486	100.50000	2.0698
10.285	28.42500	67.53550	100.50000	2.2353
10.775	28.44529	67.04614	100.50000	2.4090
11.265	28.46557	66.55679	100.50000	2.5906
11.755	28.48586	66.06743	100.50000	2.7798
12.244	28.50614	65.57807	100.50000	2.9762
12.734	28.52643	65.08871	100.50000	3.1790
13.224	28.54671	64.59936	100.50000	3.3877
13.714	28.56700	64.11000	100.50000	3.6013

Structure: DH-1 | Sub-structure: DH-1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	44.60300	87.23400	100.50000	0.0
0.48563	44.63204	86.74924	100.50000	0.0
0.97126	44.66109	86.26448	100.50000	0.0
1.4569	44.69013	85.77972	100.50000	0.0
1.9425	44.71917	85.29496	100.50000	0.0
2.4282	44.74822	84.81020	100.50000	0.0
2.9138	44.77726	84.32543	100.50000	0.0
3.3994	44.80630	83.84067	100.50000	0.0
3.8850	44.83535	83.35591	100.50000	0.0
4.3707	44.86439	82.87115	100.50000	0.0
4.8563	44.89343	82.38639	100.50000	0.0
5.3419	44.92248	81.90163	100.50000	0.0
5.8276	44.95152	81.41687	100.50000	0.0
6.3132	44.98057	80.93211	100.50000	0.0
6.7988	45.00961	80.44735	100.50000	0.0
7.2845	45.03865	79.96259	100.50000	0.0
7.7701	45.06770	79.47783	100.50000	0.0
8.2557	45.09674	78.99307	100.50000	0.0
8.7413	45.12578	78.50830	100.50000	0.0
9.2270	45.15483	78.02354	100.50000	0.087081
9.7126	45.18387	77.53878	100.50000	0.18420
10.198	45.21291	77.05402	100.50000	0.28685
10.684	45.24196	76.56926	100.50000	0.41735
11.169	45.27100	76.08450	100.50000	0.54046
11.655	45.30004	75.59974	100.50000	0.65868
12.141	45.32909	75.11498	100.50000	0.77435
12.626	45.35813	74.63022	100.50000	0.88964
13.112	45.38717	74.14546	100.50000	1.0065
13.598	45.41622	73.66070	100.50000	1.1269
14.083	45.44526	73.17593	100.50000	1.2522
14.569	45.47430	72.69117	100.50000	1.3841
15.055	45.50335	72.20641	100.50000	1.5237
15.540	45.53239	71.72165	100.50000	1.6722
16.026	45.56143	71.23689	100.50000	1.8306
16.511	45.59048	70.75213	100.50000	1.9994
16.997	45.61952	70.26737	100.50000	2.1794
17.483	45.64857	69.78261	100.50000	2.3709
17.968	45.67761	69.29785	100.50000	2.5741
18.454	45.70665	68.81309	100.50000	2.7891
18.940	45.73570	68.32833	100.50000	3.0157
19.425	45.76474	67.84357	100.50000	3.2536
19.911	45.79378	67.35880	100.50000	3.5023
20.396	45.82283	66.87404	100.50000	3.7612
20.882	45.85187	66.38928	100.50000	4.0293
21.368	45.88091	65.90452	100.50000	4.3057
21.853	45.90996	65.41976	100.50000	4.5891
22.339	45.93900	64.93500	100.50000	4.8782

Structure: DH-2 | Sub-structure: DH-2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	45.93900	64.93500	100.50000	4.8782
0.49257	46.43032	64.97005	100.50000	4.8710
0.98513	46.92163	65.00510	100.50000	4.8638
1.4777	47.41295	65.04014	100.50000	4.8566
1.9703	47.90427	65.07519	100.50000	4.8494
2.4628	48.39559	65.11024	100.50000	4.8422
2.9554	48.88690	65.14529	100.50000	4.8350
3.4480	49.37822	65.18034	100.50000	4.8279
3.9405	49.86954	65.21538	100.50000	4.8207
4.4331	50.36086	65.25043	100.50000	4.8135
4.9257	50.85217	65.28548	100.50000	4.8063
5.4182	51.34349	65.32053	100.50000	4.7991
5.9108	51.83481	65.35558	100.50000	4.7920
6.4034	52.32612	65.39063	100.50000	4.7848
6.8959	52.81744	65.42567	100.50000	4.7776
7.3885	53.30876	65.46072	100.50000	4.7705
7.8811	53.80008	65.49577	100.50000	4.7633
8.3736	54.29139	65.53082	100.50000	4.7562
8.8662	54.78271	65.56587	100.50000	4.7453
9.3588	55.27403	65.60091	100.50000	4.7221
9.8513	55.76535	65.63596	100.50000	4.6866
10.344	56.25666	65.67101	100.50000	4.6390
10.836	56.74798	65.70606	100.50000	4.5866
11.329	57.23930	65.74111	100.50000	4.5343
11.822	57.73062	65.77615	100.50000	4.4823
12.314	58.22193	65.81120	100.50000	4.4305
12.807	58.71325	65.84625	100.50000	4.3788
13.299	59.20457	65.88130	100.50000	4.3274
13.792	59.69588	65.91635	100.50000	4.2763
14.284	60.18720	65.95139	100.50000	4.2253
14.777	60.67852	65.98644	100.50000	4.1747
15.270	61.16984	66.02149	100.50000	4.1242
15.762	61.66115	66.05654	100.50000	4.0741
16.255	62.15247	66.09159	100.50000	4.0242
16.747	62.64379	66.12663	100.50000	3.9746
17.240	63.13511	66.16168	100.50000	3.9253

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
17.732	63.62642	66.19673	100.50000	3.8762
18.225	64.11774	66.23178	100.50000	3.8275
18.718	64.60906	66.26683	100.50000	3.7742
19.210	65.10038	66.30187	100.50000	3.7117
19.703	65.59169	66.33692	100.50000	3.6407
20.195	66.08301	66.37197	100.50000	3.5616
20.688	66.57433	66.40702	100.50000	3.4750
21.180	67.06564	66.44207	100.50000	3.3816
21.673	67.55696	66.47712	100.50000	3.2822
22.165	68.04828	66.51216	100.50000	3.1774
22.658	68.53960	66.54721	100.50000	3.0681
23.151	69.03091	66.58226	100.50000	2.9549
23.643	69.52223	66.61731	100.50000	2.8388
24.136	70.01355	66.65236	100.50000	2.7203
24.628	70.50487	66.68740	100.50000	2.6004
25.121	70.99618	66.72245	100.50000	2.4797
25.613	71.48750	66.75750	100.50000	2.3589
26.106	71.97882	66.79255	100.50000	2.2387
26.599	72.47013	66.82760	100.50000	2.1196
27.091	72.96145	66.86264	100.50000	2.0020
27.584	73.45277	66.89769	100.50000	1.8866
28.076	73.94409	66.93274	100.50000	1.7736
28.569	74.43540	66.96779	100.50000	1.6632
29.061	74.92672	67.00284	100.50000	1.5556
29.554	75.41804	67.03788	100.50000	1.4510
30.047	75.90936	67.07293	100.50000	1.3492
30.539	76.40067	67.10798	100.50000	1.2500
31.032	76.89199	67.14303	100.50000	1.1531
31.524	77.38331	67.17808	100.50000	1.0582
32.017	77.87463	67.21313	100.50000	0.96467
32.509	78.36594	67.24817	100.50000	0.87178
33.002	78.85726	67.28322	100.50000	0.77870
33.494	79.34858	67.31827	100.50000	0.68446
33.987	79.83989	67.35332	100.50000	0.58792
34.480	80.33121	67.38837	100.50000	0.48778
34.972	80.82253	67.42341	100.50000	0.38261
35.465	81.31385	67.45846	100.50000	0.26985
35.957	81.80516	67.49351	100.50000	0.18711
36.450	82.29648	67.52856	100.50000	0.10379
36.942	82.78780	67.56361	100.50000	0.019911
37.435	83.27912	67.59865	100.50000	0.0
37.928	83.77043	67.63370	100.50000	0.0
38.420	84.26175	67.66875	100.50000	0.0
38.913	84.75307	67.70380	100.50000	0.0
39.405	85.24438	67.73885	100.50000	0.0
39.898	85.73570	67.77389	100.50000	0.0
40.390	86.22702	67.80894	100.50000	0.0
40.883	86.71834	67.84399	100.50000	0.0
41.376	87.20965	67.87904	100.50000	0.0
41.868	87.70097	67.91409	100.50000	0.0
42.361	88.19229	67.94913	100.50000	0.0
42.853	88.68361	67.98418	100.50000	0.0
43.346	89.17492	68.01923	100.50000	0.0
43.838	89.66624	68.05428	100.50000	0.0
44.331	90.15756	68.08933	100.50000	0.0
44.823	90.64888	68.12438	100.50000	0.0
45.316	91.14019	68.15942	100.50000	0.0
45.809	91.63151	68.19447	100.50000	0.0
46.301	92.12283	68.22952	100.50000	0.0
46.794	92.61414	68.26457	100.50000	0.0
47.286	93.10546	68.29962	100.50000	0.0
47.779	93.59678	68.33466	100.50000	0.0
48.271	94.08810	68.36971	100.50000	0.0
48.764	94.57941	68.40476	100.50000	0.0
49.257	95.07073	68.43981	100.50000	0.0
49.749	95.56205	68.47486	100.50000	0.0
50.242	96.05337	68.50990	100.50000	0.0
50.734	96.54468	68.54495	100.50000	0.0
51.227	97.03600	68.58000	100.50000	0.0

Structure: DH-3 | Sub-structure: DH-3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	97.03600	68.58000	100.50000	0.0
0.48909	96.99859	69.06765	100.50000	0.0
0.97817	96.96117	69.55530	100.50000	0.0
1.4673	96.92376	70.04296	100.50000	0.0
1.9563	96.88635	70.53061	100.50000	0.0
2.4454	96.84893	71.01826	100.50000	0.0
2.9345	96.81152	71.50591	100.50000	0.0
3.4236	96.77411	71.99357	100.50000	0.0
3.9127	96.73670	72.48122	100.50000	0.0
4.4018	96.69928	72.96887	100.50000	0.0
4.8909	96.66187	73.45652	100.50000	0.0
5.3799	96.62446	73.94417	100.50000	0.0
5.8690	96.58704	74.43183	100.50000	0.0
6.3581	96.54963	74.91948	100.50000	0.0
6.8472	96.51222	75.40713	100.50000	0.0
7.3363	96.47480	75.89478	100.50000	0.0
7.8254	96.43739	76.38243	100.50000	0.0
8.3144	96.39998	76.87009	100.50000	0.0
8.8035	96.36257	77.35774	100.50000	0.0
9.2926	96.32515	77.84539	100.50000	0.0
9.7817	96.28774	78.33304	100.50000	0.0
10.271	96.25033	78.82070	100.50000	0.0
10.760	96.21291	79.30835	100.50000	0.0
11.249	96.17550	79.79600	100.50000	0.0
11.738	96.13809	80.28365	100.50000	0.0
12.227	96.10067	80.77130	100.50000	0.0
12.716	96.06326	81.25896	100.50000	0.0
13.205	96.02585	81.74661	100.50000	0.0
13.694	95.98843	82.23426	100.50000	0.0
14.183	95.95102	82.72191	100.50000	0.0
14.673	95.91361	83.20957	100.50000	0.0
15.162	95.87620	83.69722	100.50000	0.0
15.651	95.83878	84.18487	100.50000	0.0
16.140	95.80137	84.67252	100.50000	0.0
16.629	95.76396	85.16017	100.50000	0.0
17.118	95.72654	85.64783	100.50000	0.0
17.607	95.68913	86.13548	100.50000	0.0
18.096	95.65172	86.62313	100.50000	0.0
18.585	95.61430	87.11078	100.50000	0.0
19.074	95.57689	87.59843	100.50000	0.0
19.563	95.53948	88.08609	100.50000	0.0
20.052	95.50207	88.57374	100.50000	0.0
20.542	95.46465	89.06139	100.50000	0.0
21.031	95.42724	89.54904	100.50000	0.0
21.520	95.38983	90.03670	100.50000	0.0
22.009	95.35241	90.52435	100.50000	0.0
22.498	95.31500	91.01200	100.50000	0.0

Structure: DH-4 | Sub-structure: DH-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	95.31500	91.01200	100.50000	0.0
0.47118	94.84520	90.97595	100.50000	0.0
0.94236	94.37540	90.93990	100.50000	0.0
1.4135	93.90560	90.90385	100.50000	0.0
1.8847	93.43580	90.86780	100.50000	0.0
2.3559	92.96600	90.83175	100.50000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
2.8271	92.49620	90.79570	100.50000	0.0
3.2983	92.02640	90.75965	100.50000	0.0
3.7694	91.55660	90.72360	100.50000	0.0
4.2406	91.08680	90.68755	100.50000	0.0
4.7118	90.61700	90.65150	100.50000	0.0
5.1830	90.14720	90.61545	100.50000	0.0
5.6542	89.67740	90.57940	100.50000	0.0
6.1254	89.20760	90.54335	100.50000	0.0
6.5965	88.73780	90.50730	100.50000	0.0
7.0677	88.26800	90.47125	100.50000	0.0
7.5389	87.79820	90.43520	100.50000	0.0
8.0101	87.32840	90.39915	100.50000	0.0
8.4813	86.85860	90.36310	100.50000	0.0
8.9524	86.38880	90.32705	100.50000	0.0
9.4236	85.91900	90.29100	100.50000	0.0

Structure: DH-5 | Sub-structure: DH-5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	85.91900	90.29100	100.50000	0.0
0.48006	85.95573	89.81235	100.50000	0.0
0.96012	85.99246	89.33369	100.50000	0.0
1.4402	86.02919	88.85504	100.50000	0.0
1.9202	86.06592	88.37638	100.50000	0.0
2.4003	86.10265	87.89773	100.50000	0.0
2.8804	86.13938	87.41908	100.50000	0.0
3.3604	86.17612	86.94042	100.50000	0.0
3.8405	86.21285	86.46177	100.50000	0.0
4.3205	86.24958	85.98312	100.50000	0.0
4.8006	86.28631	85.50446	100.50000	0.0
5.2807	86.32304	85.02581	100.50000	0.0
5.7607	86.35977	84.54715	100.50000	0.0
6.2408	86.39650	84.06850	100.50000	0.0
6.7209	86.43323	83.58985	100.50000	0.0
7.2009	86.46996	83.11119	100.50000	0.0
7.6810	86.50669	82.63254	100.50000	0.0
8.1610	86.54342	82.15388	100.50000	0.0
8.6411	86.58015	81.67523	100.50000	0.0
9.1212	86.61688	81.19658	100.50000	0.0
9.6012	86.65362	80.71792	100.50000	0.0
10.081	86.69035	80.23927	100.50000	0.0
10.561	86.72708	79.76062	100.50000	0.0
11.041	86.76381	79.28196	100.50000	0.0
11.521	86.80054	78.80331	100.50000	0.0
12.002	86.83727	78.32465	100.50000	0.0
12.482	86.87400	77.84600	100.50000	0.0

Structure: DH-6 | Sub-structure: DH-6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	86.87400	77.84600	100.50000	0.0
0.49556	86.37989	77.80809	100.50000	0.0
0.99112	85.88579	77.77018	100.50000	0.0
1.4867	85.39168	77.73227	100.50000	0.0
1.9822	84.89758	77.69436	100.50000	0.0
2.4778	84.40347	77.65645	100.50000	0.0
2.9733	83.90936	77.61855	100.50000	0.0
3.4689	83.41526	77.58064	100.50000	0.0
3.9645	82.92115	77.54273	100.50000	0.0
4.4600	82.42705	77.50482	100.50000	0.0
4.9556	81.93294	77.46691	100.50000	0.0
5.4511	81.43883	77.42900	100.50000	0.0
5.9467	80.94473	77.39109	100.50000	0.0
6.4423	80.45062	77.35318	100.50000	0.0
6.9378	79.95652	77.31527	100.50000	0.0
7.4334	79.46241	77.27736	100.50000	0.0
7.9289	78.96830	77.23945	100.50000	0.0
8.4245	78.47420	77.20155	100.50000	0.0
8.9200	77.98009	77.16364	100.50000	0.0
9.4156	77.48598	77.12573	100.50000	0.0
9.9112	76.99188	77.08782	100.50000	0.0
10.407	76.49777	77.04991	100.50000	0.0
10.902	76.00367	77.01200	100.50000	0.0
11.398	75.50956	76.97409	100.50000	0.0
11.893	75.01545	76.93618	100.50000	0.0
12.389	74.52135	76.89827	100.50000	0.0
12.885	74.02724	76.86036	100.50000	0.0
13.380	73.53314	76.82245	100.50000	0.0
13.876	73.03903	76.78455	100.50000	0.0
14.371	72.54492	76.74664	100.50000	0.0
14.867	72.05082	76.70873	100.50000	0.0
15.362	71.55671	76.67082	100.50000	0.0
15.858	71.06261	76.63291	100.50000	0.0
16.353	70.56850	76.59500	100.50000	0.029082
16.849	70.07439	76.55709	100.50000	0.067052
17.345	69.58029	76.51918	100.50000	0.10329
17.840	69.08618	76.48127	100.50000	0.13777
18.336	68.59208	76.44336	100.50000	0.17043
18.831	68.09797	76.40545	100.50000	0.20126
19.327	67.60386	76.36755	100.50000	0.23020
19.822	67.10976	76.32964	100.50000	0.25723
20.318	66.61565	76.29173	100.50000	0.28823
20.813	66.12155	76.25382	100.50000	0.32006
21.309	65.62744	76.21591	100.50000	0.34866
21.805	65.13333	76.17800	100.50000	0.37418
22.300	64.63923	76.14009	100.50000	0.39845
22.796	64.14512	76.10218	100.50000	0.42243
23.291	63.65102	76.06427	100.50000	0.44616
23.787	63.15691	76.02636	100.50000	0.46964
24.282	62.66280	75.98845	100.50000	0.49290
24.778	62.16870	75.95055	100.50000	0.51595
25.273	61.67459	75.91264	100.50000	0.53881
25.769	61.18048	75.87473	100.50000	0.56149
26.265	60.68638	75.83682	100.50000	0.58401
26.760	60.19227	75.79891	100.50000	0.60639
27.256	59.69817	75.76100	100.50000	0.62864
27.751	59.20406	75.72309	100.50000	0.65078
28.247	58.70995	75.68518	100.50000	0.67282
28.742	58.21585	75.64727	100.50000	0.69479
29.238	57.72174	75.60936	100.50000	0.71668
29.733	57.22764	75.57145	100.50000	0.73850
30.229	56.73353	75.53355	100.50000	0.75858
30.725	56.23942	75.49564	100.50000	0.77600
31.220	55.74532	75.45773	100.50000	0.79074
31.716	55.25121	75.41982	100.50000	0.80279
32.211	54.75711	75.38191	100.50000	0.81213
32.707	54.26300	75.34400	100.50000	0.81874

Structure: DH-7 | Sub-structure: DH-7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	54.26300	75.34400	100.50000	0.81874
0.48103	54.22619	75.82362	100.50000	0.70466
0.96205	54.18938	76.30323	100.50000	0.58894
1.4431	54.15258	76.78285	100.50000	0.46939

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
1.9241	54.11577	77.26246	100.50000	0.34363
2.4051	54.07896	77.74208	100.50000	0.22665
2.8862	54.04215	78.22169	100.50000	0.13052
3.3672	54.00535	78.70131	100.50000	0.034384
3.8482	53.96854	79.18092	100.50000	0.0
4.3292	53.93173	79.66054	100.50000	0.0
4.8103	53.89492	80.14015	100.50000	0.0
5.2913	53.85812	80.61977	100.50000	0.0
5.7723	53.82131	81.09938	100.50000	0.0
6.2533	53.78450	81.57900	100.50000	0.0
6.7344	53.74769	82.05862	100.50000	0.0
7.2154	53.71088	82.53823	100.50000	0.0
7.6964	53.67408	83.01785	100.50000	0.0
8.1774	53.63727	83.49746	100.50000	0.0
8.6585	53.60046	83.97708	100.50000	0.0
9.1395	53.56365	84.45669	100.50000	0.0
9.6205	53.52685	84.93631	100.50000	0.0
10.102	53.49004	85.41592	100.50000	0.0
10.583	53.45323	85.89554	100.50000	0.0
11.064	53.41642	86.37515	100.50000	0.0
11.545	53.37962	86.85477	100.50000	0.0
12.026	53.34281	87.33438	100.50000	0.0
12.507	53.30600	87.81400	100.50000	0.0

Structure: DH-8 | Sub-structure: DH-8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	53.30600	87.81400	100.50000	0.0
0.48457	52.82250	87.78178	100.50000	0.0
0.96915	52.33900	87.74956	100.50000	0.0
1.4537	51.85550	87.71733	100.50000	0.0
1.9383	51.37200	87.68511	100.50000	0.0
2.4229	50.88850	87.65289	100.50000	0.0
2.9074	50.40500	87.62067	100.50000	0.0
3.3920	49.92150	87.58844	100.50000	0.0
3.8766	49.43800	87.55622	100.50000	0.0
4.3612	48.95450	87.52400	100.50000	0.0
4.8457	48.47100	87.49178	100.50000	0.0
5.3303	47.98750	87.45956	100.50000	0.0
5.8149	47.50400	87.42733	100.50000	0.0
6.2994	47.02050	87.39511	100.50000	0.0
6.7840	46.53700	87.36289	100.50000	0.0
7.2686	46.05350	87.33067	100.50000	0.0
7.7532	45.57000	87.29844	100.50000	0.0
8.2377	45.08650	87.26622	100.50000	0.0
8.7223	44.60300	87.23400	100.50000	0.0

Specific Building Damage Results - All Segments

Structure: GVA-1 | Sub-structure: GVA-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: GVA-2 | Sub-structure: GVA-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: GVA-4 | Sub-structure: GVA-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	3.4190	1.4747	Hogging	0.0010590	0.0094468	0.0095468	-236.66E-6	-241.27E-6	13522.	0 (Negligible)
	2	4.8938	1.8997	Sagging	289.54E-6	0.022443	0.022513	-231.96E-6	-228.03E-6	51895.	0 (Negligible)
	3	6.7935	1.0205	Hogging	72.743E-6	0.020772	0.020777	-216.22E-6	-213.63E-6	137710.	0 (Negligible)

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

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.9540	Sagging	229.08E-6	2.4216E-6	216.62E-6	-20.931E-6	-118.76E-6	128810.	0 (Negligible)

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

Structure: GVA-7 | Sub-structure: GVA-7

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

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.7150	Hogging	0.0016152	0.031587	0.032338	-351.78E-6	-378.78E-6	27630.	0 (Negligible)

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

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.3377	Sagging	153.62E-6	-0.0011841	252.02E-6	46.203E-6	210.73E-6	108370.	0 (Negligible)
	2	2.3377	0.61726	Hogging	7.5504E-6	0.0040341	0.0040347	-43.918E-6	210.73E-6	673600.	0 (Negligible)

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

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.3708	Hogging	452.90E-6	0.0099886	0.010143	-132.39E-6	208.85E-6	130040.	0 (Negligible)
	2	5.3708	2.7566	Sagging	376.77E-6	0.015968	0.016099	-181.61E-6	208.41E-6	61475.	0 (Negligible)
	3	8.1274	1.2421	Hogging	0.0011197	0.0086920	0.0088106	-181.61E-6	210.21E-6	21455.	0 (Negligible)

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

Structure: GVA-10 | Sub-structure: GVA-10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	7.9120	Sagging	0.0041243	-0.022718	0.0048390	348.34E-6	-288.94E-6	19059.	0 (Negligible)

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

Structure: GE-2 | Sub-structure: GE-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	10.084	Hogging	0.0053848	0.051435	0.057330	-592.35E-6	594.72E-6	20159.	1 (Very Slight)
	2	10.084	1.4319	Sagging	272.04E-6	0.037493	0.037591	-374.79E-6	258.39E-6	69841.	0 (Negligible)
	3	11.516	1.2994	Hogging	0.0013240	0.017987	0.018207	-374.79E-6	258.39E-6	12193.	0 (Negligible)

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

Structure: GE-3 | Sub-structure: GE-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	1.9591	1.3988	Hogging	0.0010593	0.012067	0.012256	-279.83E-6	-248.75E-6	12798.	0 (Negligible)
	2	3.3579	1.6784	Sagging	283.81E-6	0.027126	0.027246	-279.83E-6	-248.75E-6	56978.	0 (Negligible)
	3	5.0363	8.6767	Hogging	0.0031865	0.026654	0.029780	-335.89E-6	-435.97E-6	29551.	0 (Negligible)

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

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	9.7126	1.1131	Hogging	0.0013180	0.021357	0.021425	-374.80E-6	-268.64E-6	17559.	0 (Negligible)
	2	10.826	1.4189	Sagging	238.71E-6	0.037494	0.037523	-374.80E-6	-253.40E-6	47887.	0 (Negligible)
	3	12.245	10.093	Hogging	0.0053892	0.051439	0.053717	-592.50E-6	-594.97E-6	20157.	1 (Very Slight)

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

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	7.3900	Hogging	1.0270E-6	35.299E-6	35.655E-6	0.0	14.619E-6	84.141E+6	0 (Negligible)
	2	7.3900	3.8611	Sagging	0.0017524	-0.022563	0.0046229	499.83E-6	106.45E-6	19874.	0 (Negligible)
	3	11.251	6.1065	Hogging	78.197E-6	0.0018929	0.0019131	-19.130E-6	106.07E-6	836880.	0 (Negligible)
	4	17.358	7.8458	Sagging	0.0022762	-0.0066637	0.0018839	182.34E-6	245.22E-6	28310.	0 (Negligible)
	5	25.203	7.1790	Hogging	884.15E-6	0.012242	0.012511	-160.71E-6	245.22E-6	85080.	0 (Negligible)
	6	32.382	2.4345	Sagging	350.57E-6	0.017583	0.017656	-190.34E-6	213.47E-6	45884.	0 (Negligible)
	7	34.817	1.6330	Hogging	0.0013450	0.0069890	0.0071992	-190.34E-6	228.90E-6	15588.	0 (Negligible)

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

Structure: DH-3 | Sub-structure: DH-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: DH-4 | Sub-structure: DH-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: DH-5 | Sub-structure: DH-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	17.345	2.0824	Sagging	198.44E-6	0.0	197.73E-6	0.0	-73.131E-6	130750.	0 (Negligible)
	2	19.427	0.99809	Hogging	197.70E-6	287.57E-6	377.40E-6	-17.971E-6	-64.236E-6	144010.	0 (Negligible)
	3	20.425	12.281	Sagging	378.57E-6	267.55E-6	622.52E-6	35.974E-6	-64.236E-6	89882.	0 (Negligible)

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

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.5340	Sagging	273.93E-6	0.037384	0.037419	-373.87E-6	261.35E-6	59763.	0 (Negligible)
	2	1.5340	1.3521	Hogging	0.0011722	0.016711	0.016779	-373.87E-6	261.35E-6	11209.	0 (Negligible)

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

Structure: DH-8 | Sub-structure: DH-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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.

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

Structure: GVA-1 | Sub-structure: GVA-1

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

Structure: GVA-2 | Sub-structure: GVA-2

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

Structure: GVA-3 | Sub-structure: GVA-3

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

Structure: GVA-4 | Sub-structure: GVA-4

Vertical	Deflection	Average	Max	Max	Max	Max Gradient	Max Gradient	Min	Min	Damage Category

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

Structure: GVA-5 | Sub-structure: GVA-5

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0010590	0.022443	-241.27E-6	1.0576	0.022513	-236.66E-6	-241.27E-6	13522.	51895.	0 (Negligible)

Structure: GVA-6 | Sub-structure: GVA-6

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	229.08E-6	2.4216E-6	-118.76E-6	1.3872	216.62E-6	-20.931E-6	-118.76E-6	-	128810.	0 (Negligible)

Structure: GVA-7 | Sub-structure: GVA-7

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0016152	0.031587	-378.78E-6	2.5811	0.032338	-351.78E-6	-378.78E-6	27630.	-	0 (Negligible)

Structure: GVA-8 | Sub-structure: GVA-8

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	153.62E-6	0.0040341	210.73E-6	2.5814	0.0040347	46.203E-6	210.73E-6	673600.	108370.	0 (Negligible)

Structure: GVA-9 | Sub-structure: GVA-9

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0011197	0.015968	210.21E-6	1.9676	0.016099	-181.61E-6	210.21E-6	21455.	61475.	0 (Negligible)

Structure: GVA-10 | Sub-structure: GVA-10

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

Structure: GE-1 | Sub-structure: GE-1

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0041243	-0.022718	-288.94E-6	4.8741	0.0048390	348.34E-6	-288.94E-6	-	19059.	0 (Negligible)

Structure: GE-2 | Sub-structure: GE-2

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0053848	0.051435	594.72E-6	4.8734	0.057330	-592.35E-6	594.72E-6	12193.	69841.	1 (Very Slight)

Structure: GE-3 | Sub-structure: GE-3

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

Structure: GE-4 | Sub-structure: GE-4

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0031865	0.027126	-435.97E-6	3.6009	0.029780	-335.89E-6	-435.97E-6	12798.	56978.	0 (Negligible)

Structure: DH-1 | Sub-structure: DH-1

Offset from Line for Vertical Movement	Ratio	Horizontal Strain	Average Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0053892	0.051439	-594.97E-6	4.8776	0.053717	-592.50E-6	-594.97E-6	17559.	47887.	1 (Very Slight)

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

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0022762	-0.022563	245.22E-6	4.8782	0.017656	499.83E-6	245.22E-6	15588.	19874.	0 (Negligible)

Structure: DH-3 | Sub-structure: DH-3

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

Structure: DH-4 | Sub-structure: DH-4

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

Structure: DH-5 | Sub-structure: DH-5

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

Structure: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	378.57E-6	287.57E-6	-73.131E-6	0.81873	622.52E-6	35.974E-6	-73.131E-6	144010.	89882.	0 (Negligible)

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0011722	0.037384	261.35E-6	0.81874	0.037419	-373.87E-6	261.35E-6	11209.	59763.	0 (Negligible)

Structure: DH-8 | Sub-structure: DH-8

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

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start [m]	End [m]	Curvature	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
GVA-1	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.											
GVA-2	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.											
GVA-3	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.											
GVA-4	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.											
GVA-5	Max Slope	GVA-5	1	3.4190	4.8938	Hogging	**241.27E-6**	0.42758	0.0095468	13522.	-	0 (Negligible)
	Max Settlement	GVA-5	3	6.7935	7.8140	Hogging	213.63E-6	**1.0576**	0.020777	137710.	-	0 (Negligible)
	Max Tensile Strain	GVA-5	2	4.8938	6.7935	Sagging	228.03E-6	0.84110	**0.022513**	-	51895.	0 (Negligible)
	Min Radius of Curvature (Hogging)	GVA-5	1	3.4190	4.8938	Hogging	241.27E-6	0.42758	0.0095468	**13522.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GVA-5	2	4.8938	6.7935	Sagging	228.03E-6	0.84110	0.022513	-	**51895.**	0 (Negligible)
GVA-6	Max Slope	GVA-6	1	0.0	2.9540	Sagging	**118.76E-6**	1.3872	216.62E-6	-	128810.	0 (Negligible)
	Max Settlement	GVA-6	1	0.0	2.9540	Sagging	118.76E-6	**1.3872**	216.62E-6	-	128810.	0 (Negligible)
	Max Tensile Strain	GVA-6	1	0.0	2.9540	Sagging	118.76E-6	1.3872	**216.62E-6**	-	128810.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GVA-6	1	0.0	2.9540	Sagging	118.76E-6	1.3872	216.62E-6	-	**128810.**	0 (Negligible)
GVA-7	Max Slope	GVA-7	1	0.0	3.7150	Hogging	**378.78E-6**	2.5811	0.032338	27630.	-	0 (Negligible)
	Max Settlement	GVA-7	1	0.0	3.7150	Hogging	378.78E-6	**2.5811**	0.032338	27630.	-	0 (Negligible)
	Max Tensile Strain	GVA-7	1	0.0	3.7150	Hogging	378.78E-6	2.5811	**0.032338**	27630.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	GVA-7	1	0.0	3.7150	Hogging	378.78E-6	2.5811	0.032338	**27630.**	-	0 (Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
GVA-8	Max Slope	GVA-8	1	0.0	2.3377	Sagging	**210.73E-6**	2.5814	252.02E-6	-	108370.	0 (Negligible)
	Max Settlement	GVA-8	1	0.0	2.3377	Sagging	210.73E-6	**2.5814**	252.02E-6	-	108370.	0 (Negligible)
	Max Tensile Strain	GVA-8	2	2.3377	2.9550	Hogging	210.73E-6	2.0975	**0.0040347**	673600.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	GVA-8	2	2.3377	2.9550	Hogging	210.73E-6	2.0975	0.0040347	**673600.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GVA-8	1	0.0	2.3377	Sagging	210.73E-6	2.5814	252.02E-6	-	**108370.**	0 (Negligible)
GVA-9	Max Slope	GVA-9	3	8.1274	9.3695	Hogging	**210.21E-6**	0.41030	0.0088106	21455.	-	0 (Negligible)
	Max Settlement	GVA-9	1	0.0	5.3708	Hogging	208.85E-6	**1.9676**	0.010143	130040.	-	0 (Negligible)
	Max Tensile Strain	GVA-9	2	5.3708	8.1274	Sagging	208.41E-6	0.92895	**0.016099**	-	61475.	0 (Negligible)
	Min Radius of Curvature (Hogging)	GVA-9	3	8.1274	9.3695	Hogging	210.21E-6	0.41030	0.0088106	**21455.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GVA-9	2	5.3708	8.1274	Sagging	208.41E-6	0.92895	0.016099	-	**61475.**	0 (Negligible)
GVA-10	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.											
GE-1	Max Slope	GE-1	1	0.0	7.9120	Sagging	**288.94E-6**	4.8741	0.0048390	-	19059.	0 (Negligible)
	Max Settlement	GE-1	1	0.0	7.9120	Sagging	288.94E-6	**4.8741**	0.0048390	-	19059.	0 (Negligible)
	Max Tensile Strain	GE-1	1	0.0	7.9120	Sagging	288.94E-6	4.8741	**0.0048390**	-	19059.	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	GE-1	1	0.0	7.9120	Sagging	288.94E-6	4.8741	0.0048390	-	**19059.**	0 (Negligible)
GE-2	Max Slope	GE-2	1	0.0	10.084	Hogging	**594.72E-6**	4.8734	0.057330	20159.	-	1 (Very Slight)
	Max Settlement	GE-2	1	0.0	10.084	Hogging	594.72E-6	**4.8734**	0.057330	20159.	-	1 (Very Slight)
	Max Tensile Strain	GE-2	1	0.0	10.084	Hogging	594.72E-6	4.8734	**0.057330**	20159.	-	1 (Very Slight)
	Min Radius of Curvature (Hogging)	GE-2	3	11.516	12.816	Hogging	258.39E-6	0.45039	0.018207	**12193.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GE-2	2	10.084	11.516	Sagging	258.39E-6	0.79951	0.037591	-	**69841.**	0 (Negligible)
GE-3	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.											
GE-4	Max Slope	GE-4	3	5.0363	13.713	Hogging	**435.97E-6**	3.6009	0.029780	29551.	-	0 (Negligible)
	Max Settlement	GE-4	3	5.0363	13.713	Hogging	435.97E-6	**3.6009**	0.029780	29551.	-	0 (Negligible)
	Max Tensile Strain	GE-4	3	5.0363	13.713	Hogging	435.97E-6	3.6009	**0.029780**	29551.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	GE-4	1	1.9591	3.3579	Hogging	248.75E-6	0.43671	0.012256	**12798.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	GE-4	2	3.3579	5.0363	Sagging	248.75E-6	0.82111	0.027246	-	**56978.**	0 (Negligible)
DH-1	Max Slope	DH-1	3	12.245	22.338	Hogging	**594.97E-6**	4.8776	0.053717	20157.	-	1 (Very Slight)
	Max Settlement	DH-1	3	12.245	22.338	Hogging	594.97E-6	**4.8776**	0.053717	20157.	-	1 (Very Slight)
	Max Tensile Strain	DH-1	3	12.245	22.338	Hogging	594.97E-6	4.8776	**0.053717**	20157.	-	1 (Very Slight)
	Min Radius of Curvature (Hogging)	DH-1	1	9.7126	10.826	Hogging	268.64E-6	0.45331	0.021425	**17559.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-1	2	10.826	12.245	Sagging	253.40E-6	0.79901	0.037523	-	**47887.**	0 (Negligible)
DH-2	Max Slope	DH-2	4	17.358	25.203	Sagging	**245.22E-6**	3.9135	0.0018839	-	28310.	0 (Negligible)
	Max Settlement	DH-2	1	0.0	7.3900	Hogging	14.619E-6	**4.8782**	35.655E-6	84.141E+6	-	0 (Negligible)
	Max Tensile Strain	DH-2	6	32.382	34.817	Sagging	213.47E-6	0.89572	**0.017656**	-	45884.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-2	7	34.817	36.450	Hogging	228.90E-6	0.41577	0.0071992	**15588.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-2	2	7.3900	11.251	Sagging	106.45E-6	4.7705	0.0046229	-	**19874.**	0 (Negligible)
DH-3	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.											
DH-4	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.											
DH-5	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.											
DH-6	Max Slope	DH-6	1	17.345	19.427	Sagging	**73.131E-6**	0.23566	197.73E-6	-	130750.	0 (Negligible)
	Max Settlement	DH-6	3	20.425	32.706	Sagging	64.236E-6	**0.81873**	622.52E-6	-	89882.	0 (Negligible)
	Max Tensile Strain	DH-6	3	20.425	32.706	Sagging	64.236E-6	0.81873	**622.52E-6**	-	89882.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-6	2	19.427	20.425	Hogging	64.236E-6	0.29511	377.40E-6	**144010.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-6	3	20.425	32.706	Sagging	64.236E-6	0.81873	622.52E-6	-	**89882.**	0 (Negligible)
DH-7	Max Slope	DH-7	1	0.0	1.5340	Sagging	**261.35E-6**	0.81874	0.037419	-	59763.	0 (Negligible)
	Max Settlement	DH-7	1	0.0	1.5340	Sagging	261.35E-6	**0.81874**	0.037419	-	59763.	0 (Negligible)
	Max Tensile Strain	DH-7	1	0.0	1.5340	Sagging	261.35E-6	0.81874	**0.037419**	-	59763.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-7	2	1.5340	2.8862	Hogging	261.35E-6	0.44561	0.016779	**11209.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-7	1	0.0	1.5340	Sagging	261.35E-6	0.81874	0.037419	-	**59763.**	0 (Negligible)
DH-8	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.											

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: GVA-1 | Sub-structure: GVA-1

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	9.25200	89.52300	100.50000	0.0	0.0	0.0	0.0 d
0.48595	9.22654	89.03772	100.50000	0.0	0.0	0.0	0.0 d
0.97189	9.20108	88.55244	100.50000	0.0	0.0	0.0	0.0 d
1.4578	9.17562	88.06716	100.50000	0.0	0.0	0.0	0.0 d
1.9438	9.15016	87.58188	100.50000	0.0	0.0	0.0	0.0 d
2.4297	9.12470	87.09660	100.50000	0.0	0.0	0.0	0.0 d
2.9157	9.09924	86.61132	100.50000	0.0	0.0	0.0	0.0 d
3.4016	9.07378	86.12604	100.50000	0.0	0.0	0.0	0.0 d
3.8876	9.04832	85.64076	100.50000	0.0	0.0	0.0	0.0 d
4.3735	9.02286	85.15548	100.50000	0.0	0.0	0.0	0.0 d
4.8595	8.99740	84.67020	100.50000	0.0	0.0	0.0	0.0 d
5.3454	8.97194	84.18492	100.50000	0.0	0.0	0.0	0.0 d
5.8314	8.94648	83.69964	100.50000	0.0	0.0	0.0	0.0 d
6.3173	8.92102	83.21436	100.50000	0.0	0.0	0.0	0.0 d
6.8033	8.89556	82.72908	100.50000	0.0	0.0	0.0	0.0 d
7.2892	8.87010	82.24380	100.50000	0.0	0.0	0.0	0.0 d
7.7752	8.84464	81.75852	100.50000	0.0	0.0	0.0	0.0 d
8.2611	8.81918	81.27324	100.50000	0.0	0.0	0.0	0.0 d
8.7471	8.79372	80.78796	100.50000	0.0	0.0	0.0	0.0 d
9.2330	8.76826	80.30268	100.50000	0.0	0.0	0.0	0.0 d
9.7189	8.74280	79.81740	100.50000	0.0	0.0	0.0	0.0 d
10.205	8.71734	79.33212	100.50000	0.0	0.0	0.0	0.0 d
10.691	8.69188	78.84684	100.50000	0.0	0.0	0.0	0.0 d
11.177	8.66642	78.36156	100.50000	0.0	0.0	0.0	0.0 d
11.663	8.64096	77.87628	100.50000	0.0	0.0	0.0	0.0 d
12.149	8.61550	77.39100	100.50000	0.0	0.0	0.0	0.0 d
12.635	8.59004	76.90572	100.50000	0.0	0.0	0.0	0.0 d
13.121	8.56458	76.42044	100.50000	0.0	0.0	0.0	0.0 d
13.607	8.53912	75.93516	100.50000	0.0	0.0	0.0	0.0 d
14.092	8.51366	75.44988	100.50000	0.0	0.0	0.0	0.0 d
14.578	8.48820	74.96460	100.50000	0.0	0.0	0.0	0.0 d
15.064	8.46274	74.47932	100.50000	0.0	0.0	0.0	0.0 d
15.550	8.43728	73.99404	100.50000	0.0	0.0	0.0	0.0 d
16.036	8.41182	73.50876	100.50000	0.0	0.0	0.0	0.0 d
16.522	8.38636	73.02348	100.50000	0.0	0.0	0.0	0.0 d
17.008	8.36090	72.53820	100.50000	0.0	0.0	0.0	0.0 d
17.494	8.33544	72.05292	100.50000	0.0	0.0	0.0	0.0 d
17.980	8.30998	71.56764	100.50000	0.0	0.0	0.0	0.0 d
18.466	8.28452	71.08236	100.50000	0.0	0.0	0.0	0.0 d
18.952	8.25906	70.59708	100.50000	0.0	0.0	0.0	0.0 d
19.438	8.23360	70.11180	100.50000	0.0	0.0	0.0	0.0 d
19.924	8.20814	69.62652	100.50000	0.0	0.0	0.0	0.0 d
20.410	8.18268	69.14124	100.50000	0.0	0.0	0.0	0.0 d
20.896	8.15722	68.65596	100.50000	0.0	0.0	0.0	0.0 d
21.382	8.13176	68.17068	100.50000	0.0	0.0	0.0	0.0 d
21.868	8.10630	67.68540	100.50000	0.0	0.0	0.0	0.0 d
22.354	8.08084	67.20012	100.50000	0.0	0.0	0.0	0.0 d
22.840	8.05538	66.71484	100.50000	0.0	0.0	0.0	0.0 d
23.325	8.02992	66.22956	100.50000	0.0	0.0	0.0	0.0 d
23.811	8.00446	65.74428	100.50000	0.0	0.0	0.0	0.0 d
24.297	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

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	7.97900	65.25900	100.50000	0.0	0.0	0.0	0.0 d
0.48050	7.95067	64.77933	100.50000	0.0	0.0	0.0	0.0 d
0.96101	7.92233	64.29967	100.50000	0.0	0.0	0.0	0.0 d
1.4415	7.89400	63.82000	100.50000	0.0	0.0	0.0	0.0 d
1.9220	7.86567	63.34033	100.50000	0.0	0.0	0.0	0.0 d
2.4025	7.83733	62.86067	100.50000	0.0	0.0	0.0	0.0 d
2.8830	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

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	7.80900	62.38100	100.50000	0.0	0.0	0.0	0.0 d
0.47715	8.28487	62.34613	100.50000	0.0	0.0	0.0	0.0 d
0.95430	8.76075	62.31125	100.50000	0.0	0.0	0.0	0.0 d
1.4315	9.23663	62.27638	100.50000	0.0	0.0	0.0	0.0 d
1.9086	9.71250	62.24150	100.50000	0.0	0.0	0.0	0.0 d
2.3858	10.18838	62.20662	100.50000	0.0	0.0	0.0	0.0 d
2.8629	10.66425	62.17175	100.50000	0.0	0.0	0.0	0.0 d
3.3401	11.14012	62.13687	100.50000	0.0	0.0	0.0	0.0 d
3.8172	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

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	11.61600	62.10200	100.50000	0.0	0.0	0.0	0.0 d
0.47359	11.65050	62.57433	100.50000	0.0	0.0	0.0	0.0 d
0.94718	11.68500	63.04667	100.50000	0.0	0.0	0.0	0.0 d
1.4208	11.71950	63.51900	100.50000	0.0	0.0	0.0	0.0 d
1.8944	11.75400	63.99133	100.50000	0.0	0.0	0.0	0.0 d
2.3680	11.78850	64.46367	100.50000	0.0	0.0	0.0	0.0 d
2.8415	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

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	11.82300	64.93600	100.50000	0.0	0.0	0.0	0.0 d
0.48843	12.31013	64.90031	100.50000	0.0	0.0	0.0	0.0 d
0.97686	12.79725	64.86463	100.50000	0.0	0.0	0.0	0.0 d
1.4653	13.28438	64.82894	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
1.9537	13.77150	64.79325	100.50000	0.0	0.0	0.0	0.0 d
2.4422	14.25863	64.75756	100.50000	0.0	0.0	0.0	0.0 d
2.9306	14.74575	64.72187	100.50000	0.0	0.0	0.0	0.0 d
3.4190	15.23288	64.68619	100.50000	0.0	0.0	0.0	0.0 d
3.9074	15.72000	64.65050	100.50000	0.0	0.0	0.0	0.0 d
4.3959	16.20713	64.61481	100.50000	0.020812	-0.010191	0.021501	-0.0086432 d
4.8843	16.69425	64.57913	100.50000	0.13261	-0.066638	0.13712	-0.056771 d
5.3727	17.18138	64.54344	100.50000	0.24197	-0.12488	0.25044	-0.10687 d
5.8612	17.66850	64.50775	100.50000	0.34875	-0.18501	0.36134	-0.15904 d
6.3496	18.15563	64.47206	100.50000	0.45282	-0.24713	0.46967	-0.21338 d
6.8380	18.64275	64.43637	100.50000	0.55403	-0.31134	0.57530	-0.27003 d
7.3265	19.12988	64.40069	100.50000	0.65222	-0.37776	0.67807	-0.32909 d
7.8149	19.61700	64.36500	100.50000	0.74721	-0.44649	0.77783	-0.39070 d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

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	19.61700	64.36500	100.50000	0.74721	-0.44649	0.39068	0.77784 d
0.49248	19.58100	63.87383	100.50000	0.82023	-0.46218	0.40099	0.85182 d
0.98497	19.54500	63.38267	100.50000	0.89368	-0.47369	0.40710	0.92592 d
1.4775	19.50900	62.89150	100.50000	0.96741	-0.48106	0.40905	0.99999 d
1.9699	19.47300	62.40033	100.50000	1.0412	-0.48433	0.40692	1.0739 d
2.4624	19.43700	61.90917	100.50000	1.1150	-0.48357	0.40078	1.1474 d
2.9549	19.40100	61.41800	100.50000	1.1885	-0.47889	0.39073	1.2203 d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

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	19.40100	61.41800	100.50000	1.1885	-0.47889	1.2202	-0.39094 d
0.46449	19.86425	61.38412	100.50000	1.3011	-0.53927	1.3370	-0.44294 d
0.92897	20.32750	61.35025	100.50000	1.4589	-0.62254	1.5005	-0.51449 d
1.3935	20.79075	61.31638	100.50000	1.6127	-0.70922	1.6601	-0.58972 d
1.8579	21.25400	61.28250	100.50000	1.7622	-0.79957	1.8158	-0.66893 d
2.3224	21.71725	61.24862	100.50000	1.9072	-0.89389	1.9673	-0.75242 d
2.7869	22.18050	61.21475	100.50000	2.0474	-0.99250	2.1143	-0.84054 d
3.2514	22.64375	61.18088	100.50000	2.1825	-1.0957	2.2566	-0.93364 d
3.7159	23.10700	61.14700	100.50000	2.3123	-1.2040	2.3939	-1.0321 d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

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	23.10700	61.14700	100.50000	2.3123	-1.2040	-1.0818	-2.3719 d
0.49250	23.13267	61.63883	100.50000	2.1678	-1.2192	-1.1046	-2.2284 d
0.98501	23.15833	62.13067	100.50000	2.0256	-1.2256	-1.1184	-2.0867 d
1.4775	23.18400	62.62250	100.50000	1.8857	-1.2231	-1.1232	-1.9469 d
1.9700	23.20967	63.11433	100.50000	1.7486	-1.2119	-1.1191	-1.8094 d
2.4625	23.23533	63.60617	100.50000	1.6144	-1.1920	-1.1062	-1.6743 d
2.9550	23.26100	64.09800	100.50000	1.4832	-1.1635	-1.0846	-1.5418 d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

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	23.26100	64.09800	100.50000	1.4832	-1.1635	-1.0846	-1.5418 d
0.49313	23.28670	64.59046	100.50000	1.3550	-1.1265	-1.0543	-1.4119 d
0.98626	23.31240	65.08292	100.50000	1.2300	-1.0812	-1.0157	-1.2847 d
1.4794	23.33810	65.57538	100.50000	1.1083	-1.0279	-0.96871	-1.1604 d
1.9725	23.36380	66.06784	100.50000	0.98984	-0.96659	-0.91369	-1.0389 d
2.4657	23.38950	66.56030	100.50000	0.88411	-0.90734	-0.86003	-0.93020 d
2.9588	23.41520	67.05276	100.50000	0.80108	-0.86249	-0.81957	-0.84494 d
3.4519	23.44090	67.54522	100.50000	0.72046	-0.81244	-0.77379	-0.76183 d
3.9450	23.46660	68.03768	100.50000	0.64225	-0.75738	-0.72288	-0.68085 d
4.4382	23.49230	68.53014	100.50000	0.56639	-0.69746	-0.66700	-0.60197 d
4.9313	23.51800	69.02260	100.50000	0.49284	-0.63287	-0.60632	-0.52515 d
5.4244	23.54370	69.51506	100.50000	0.42155	-0.56376	-0.54103	-0.45036 d
5.9176	23.56940	70.00752	100.50000	0.35247	-0.49032	-0.47128	-0.37754 d
6.4107	23.59510	70.49998	100.50000	0.28554	-0.41269	-0.39725	-0.30666 d
6.9038	23.62080	70.99244	100.50000	0.22070	-0.33105	-0.31910	-0.23766 d
7.3970	23.64650	71.48490	100.50000	0.15790	-0.24555	-0.23699	-0.17048 d
7.8901	23.67220	71.97736	100.50000	0.097065	-0.15634	-0.15107	-0.10508 d
8.3832	23.69790	72.46982	100.50000	0.038140	-0.063566	-0.061492	-0.041401 d
8.8763	23.72360	72.96228	100.50000	0.0	0.0	0.0	0.0 d
9.3695	23.74930	73.45474	100.50000	0.0	0.0	0.0	0.0 d
9.8626	23.77500	73.94720	100.50000	0.0	0.0	0.0	0.0 d
10.356	23.80070	74.43966	100.50000	0.0	0.0	0.0	0.0 d
10.849	23.82640	74.93212	100.50000	0.0	0.0	0.0	0.0 d
11.342	23.85210	75.42458	100.50000	0.0	0.0	0.0	0.0 d
11.835	23.87780	75.91704	100.50000	0.0	0.0	0.0	0.0 d
12.328	23.90350	76.40950	100.50000	0.0	0.0	0.0	0.0 d
12.821	23.92920	76.90196	100.50000	0.0	0.0	0.0	0.0 d
13.315	23.95490	77.39442	100.50000	0.0	0.0	0.0	0.0 d
13.808	23.98060	77.88688	100.50000	0.0	0.0	0.0	0.0 d
14.301	24.00630	78.37934	100.50000	0.0	0.0	0.0	0.0 d
14.794	24.03200	78.87180	100.50000	0.0	0.0	0.0	0.0 d
15.287	24.05770	79.36426	100.50000	0.0	0.0	0.0	0.0 d
15.780	24.08340	79.85672	100.50000	0.0	0.0	0.0	0.0 d
16.273	24.10910	80.34918	100.50000	0.0	0.0	0.0	0.0 d
16.766	24.13480	80.84164	100.50000	0.0	0.0	0.0	0.0 d
17.260	24.16050	81.33410	100.50000	0.0	0.0	0.0	0.0 d
17.753	24.18620	81.82656	100.50000	0.0	0.0	0.0	0.0 d
18.246	24.21190	82.31902	100.50000	0.0	0.0	0.0	0.0 d
18.739	24.23760	82.81148	100.50000	0.0	0.0	0.0	0.0 d
19.232	24.26330	83.30394	100.50000	0.0	0.0	0.0	0.0 d
19.725	24.28900	83.79640	100.50000	0.0	0.0	0.0	0.0 d
20.218	24.31470	84.28886	100.50000	0.0	0.0	0.0	0.0 d
20.711	24.34040	84.78132	100.50000	0.0	0.0	0.0	0.0 d
21.205	24.36610	85.27378	100.50000	0.0	0.0	0.0	0.0 d
21.698	24.39180	85.76624	100.50000	0.0	0.0	0.0	0.0 d
22.191	24.41750	86.25870	100.50000	0.0	0.0	0.0	0.0 d
22.684	24.44320	86.75116	100.50000	0.0	0.0	0.0	0.0 d
23.177	24.46890	87.24362	100.50000	0.0	0.0	0.0	0.0 d
23.670	24.49460	87.73608	100.50000	0.0	0.0	0.0	0.0 d
24.163	24.52030	88.22854	100.50000	0.0	0.0	0.0	0.0 d
24.657	24.54600	88.72100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement	Horizontal displacement

							along the Line	perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]		[mm]	[mm]	
0.0	24.54600	88.72100	100.50000	0.0	0.0		0.0	0.0	d
0.47859	24.06806	88.74606	100.50000	0.0	0.0		0.0	0.0	d
0.95719	23.59013	88.77112	100.50000	0.0	0.0		0.0	0.0	d
1.4358	23.11219	88.79619	100.50000	0.0	0.0		0.0	0.0	d
1.9144	22.63425	88.82125	100.50000	0.0	0.0		0.0	0.0	d
2.3930	22.15631	88.84631	100.50000	0.0	0.0		0.0	0.0	d
2.8716	21.67837	88.87138	100.50000	0.0	0.0		0.0	0.0	d
3.3502	21.20044	88.89644	100.50000	0.0	0.0		0.0	0.0	d
3.8288	20.72250	88.92150	100.50000	0.0	0.0		0.0	0.0	d
4.3073	20.24456	88.94656	100.50000	0.0	0.0		0.0	0.0	d
4.7859	19.76662	88.97163	100.50000	0.0	0.0		0.0	0.0	d
5.2645	19.28869	88.99669	100.50000	0.0	0.0		0.0	0.0	d
5.7431	18.81075	89.02175	100.50000	0.0	0.0		0.0	0.0	d
6.2217	18.33281	89.04681	100.50000	0.0	0.0		0.0	0.0	d
6.7003	17.85488	89.07188	100.50000	0.0	0.0		0.0	0.0	d
7.1789	17.37694	89.09694	100.50000	0.0	0.0		0.0	0.0	d
7.6575	16.89900	89.12200	100.50000	0.0	0.0		0.0	0.0	d
8.1361	16.42106	89.14706	100.50000	0.0	0.0		0.0	0.0	d
8.6147	15.94313	89.17212	100.50000	0.0	0.0		0.0	0.0	d
9.0933	15.46519	89.19719	100.50000	0.0	0.0		0.0	0.0	d
9.5719	14.98725	89.22225	100.50000	0.0	0.0		0.0	0.0	d
10.050	14.50931	89.24731	100.50000	0.0	0.0		0.0	0.0	d
10.529	14.03138	89.27237	100.50000	0.0	0.0		0.0	0.0	d
11.008	13.55344	89.29744	100.50000	0.0	0.0		0.0	0.0	d
11.486	13.07550	89.32250	100.50000	0.0	0.0		0.0	0.0	d
11.965	12.59756	89.34756	100.50000	0.0	0.0		0.0	0.0	d
12.443	12.11963	89.37262	100.50000	0.0	0.0		0.0	0.0	d
12.922	11.64169	89.39769	100.50000	0.0	0.0		0.0	0.0	d
13.401	11.16375	89.42275	100.50000	0.0	0.0		0.0	0.0	d
13.879	10.68581	89.44781	100.50000	0.0	0.0		0.0	0.0	d
14.358	10.20788	89.47288	100.50000	0.0	0.0		0.0	0.0	d
14.836	9.72994	89.49794	100.50000	0.0	0.0		0.0	0.0	d
15.315	9.25200	89.52300	100.50000	0.0	0.0		0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

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	28.56700	64.11000	100.50000	1.9265	-2.8596	1.7836	-2.9508	d
0.49454	29.06094	64.13431	100.50000	1.8957	-3.0521	1.7434	-3.1416	d
0.98907	29.55487	64.15863	100.50000	1.8524	-3.2503	1.6903	-3.3374	d
1.4836	30.04881	64.18294	100.50000	1.7964	-3.4537	1.6244	-3.5378	d
1.9781	30.54275	64.20725	100.50000	1.7277	-3.6618	1.5456	-3.7423	d
2.4727	31.03669	64.23156	100.50000	1.6466	-3.8738	1.4541	-3.9501	d
2.9672	31.53063	64.25588	100.50000	1.5531	-4.0889	1.3502	-4.1603	d
3.4617	32.02456	64.28019	100.50000	1.4479	-4.3061	1.2344	-4.3720	d
3.9563	32.51850	64.30450	100.50000	1.3314	-4.5240	1.1074	-4.5840	d
4.4508	33.01244	64.32881	100.50000	1.2045	-4.7414	0.96996	-4.7949	d
4.9454	33.50637	64.35312	100.50000	1.0681	-4.9567	0.82317	-5.0032	d
5.4399	34.00031	64.37744	100.50000	0.92344	-5.1683	0.66824	-5.2075	d
5.9344	34.49425	64.40175	100.50000	0.77172	-5.3744	0.50657	-5.4058	d
6.4290	34.98819	64.42606	100.50000	0.61443	-5.5732	0.33970	-5.5966	d
6.9235	35.48212	64.45037	100.50000	0.45315	-5.7627	0.16929	-5.7780	d
7.4180	35.97606	64.47469	100.50000	0.28952	-5.9412	-0.0029133	-5.9482	d
7.9126	36.47000	64.49900	100.50000	0.27903	-5.9515	-0.013895	-5.9580	d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

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	36.47000	64.49900	100.50000	0.27903	-5.9515	-5.9574	0.081985	d
0.49291	36.44014	64.99100	100.50000	0.26535	-5.6596	-5.6653	0.077964	d
0.98581	36.41029	65.48300	100.50000	0.25179	-5.3705	-5.3759	0.073982	d
1.4787	36.38043	65.97500	100.50000	0.23836	-5.0840	-5.0891	0.070035	d
1.9716	36.35057	66.46700	100.50000	0.22504	-4.7998	-4.8046	0.066120	d
2.4645	36.32071	66.95900	100.50000	0.21181	-4.5178	-4.5223	0.062235	d
2.9574	36.29086	67.45100	100.50000	0.19868	-4.2377	-4.2420	0.058377	d
3.4503	36.26100	67.94300	100.50000	0.18564	-3.9594	-3.9634	0.054544	d
3.9432	36.23114	68.43500	100.50000	0.17266	-3.6827	-3.6864	0.050732	d
4.4361	36.20129	68.92700	100.50000	0.15975	-3.4074	-3.4108	0.046938	d
4.9291	36.17143	69.41900	100.50000	0.14690	-3.1332	-3.1363	0.043161	d
5.4220	36.14157	69.91100	100.50000	0.13409	-2.8599	-2.8628	0.039397	d
5.9149	36.11171	70.40300	100.50000	0.12131	-2.5875	-2.5901	0.035644	d
6.4078	36.08186	70.89500	100.50000	0.10856	-2.3156	-2.3179	0.031899	d
6.9007	36.05200	71.38700	100.50000	0.095835	-2.0441	-2.0461	0.028158	d
7.3936	36.02214	71.87900	100.50000	0.083342	-1.7776	-1.7794	0.024488	d
7.8865	35.99229	72.37100	100.50000	0.074686	-1.5930	-1.5946	0.021944	d
8.3794	35.96243	72.86300	100.50000	0.066031	-1.4084	-1.4098	0.019401	d
8.8723	35.93257	73.35500	100.50000	0.057375	-1.2238	-1.2250	0.016858	d
9.3652	35.90271	73.84700	100.50000	0.048719	-1.0391	-1.0402	0.014315	d
9.8581	35.87286	74.33900	100.50000	0.040063	-0.85451	-0.85537	0.011771	d
10.351	35.84300	74.83100	100.50000	0.031408	-0.66989	-0.67057	0.0092282	d
10.844	35.81314	75.32300	100.50000	0.022752	-0.48527	-0.48576	0.0066849	d
11.337	35.78329	75.81500	100.50000	0.014096	-0.30066	-0.30096	0.0041417	d
11.830	35.75343	76.30700	100.50000	0.0054403	-0.11604	-0.11615	0.0015985	d
12.323	35.72357	76.79900	100.50000	0.0	0.0	0.0	0.0	d
12.816	35.69371	77.29100	100.50000	0.0	0.0	0.0	0.0	d
13.308	35.66386	77.78300	100.50000	0.0	0.0	0.0	0.0	d
13.801	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

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	35.63400	78.27500	100.50000	0.0	0.0	0.0	0.0	d
0.47806	35.15681	78.24606	100.50000	0.0	0.0	0.0	0.0	d
0.95613	34.67963	78.21713	100.50000	0.0	0.0	0.0	0.0	d
1.4342	34.20244	78.18819	100.50000	0.0	0.0	0.0	0.0	d
1.9123	33.72525	78.15925	100.50000	0.0	0.0	0.0	0.0	d
2.3903	33.24806	78.13031	100.50000	0.0	0.0	0.0	0.0	d
2.8684	32.77087	78.10138	100.50000	0.0	0.0	0.0	0.0	d
3.3464	32.29369	78.07244	100.50000	0.0	0.0	0.0	0.0	d
3.8245	31.81650	78.04350	100.50000	0.0	0.0	0.0	0.0	d
4.3026	31.33931	78.01456	100.50000	0.0	0.0	0.0	0.0	d
4.7806	30.86212	77.98562	100.50000	0.0	0.0	0.0	0.0	d
5.2587	30.38494	77.95669	100.50000	0.0	0.0	0.0	0.0	d
5.7368	29.90775	77.92775	100.50000	0.0	0.0	0.0	0.0	d
6.2148	29.43056	77.89881	100.50000	0.0	0.0	0.0	0.0	d
6.6929	28.95338	77.86987	100.50000	0.0	0.0	0.0	0.0	d
7.1710	28.47619	77.84094	100.50000	0.0	0.0	0.0	0.0	d
7.6490	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

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	27.99900	77.81200	100.50000	0.0	0.0	0.0	0.0	d
0.48978	28.01929	77.32264	100.50000	0.0	0.0	0.0	0.0	d
0.97955	28.03957	76.83329	100.50000	0.0	0.0	0.0	0.0	d
1.4693	28.05986	76.34393	100.50000	0.0	0.0	0.0	0.0	d
1.9591	28.08014	75.85457	100.50000	0.0	0.0	0.0	0.0	d
2.4489	28.10043	75.36521	100.50000	0.0	0.0	0.0	0.0	d
2.9387	28.12071	74.87586	100.50000	0.016142	-0.050823	0.051448	0.014023	d
3.4284	28.14100	74.38650	100.50000	0.060523	-0.18619	0.18854	0.052759	d
3.9182	28.16129	73.89714	100.50000	0.10638	-0.31956	0.32369	0.093055	d
4.4080	28.18157	73.40779	100.50000	0.15381	-0.45081	0.45679	0.13500	d
4.8978	28.20186	72.91843	100.50000	0.20289	-0.57980	0.58770	0.17870	d
5.3876	28.22214	72.42907	100.50000	0.25374	-0.70640	0.71630	0.22426	d
5.8773	28.24243	71.93971	100.50000	0.30645	-0.83045	0.84243	0.27179	d
6.3671	28.26271	71.45036	100.50000	0.36115	-0.95180	0.96594	0.32142	d
6.8569	28.28300	70.96100	100.50000	0.41797	-1.0703	1.0867	0.37328	d
7.3467	28.30329	70.47164	100.50000	0.47704	-1.1856	1.2044	0.42752	d
7.8364	28.32357	69.98229	100.50000	0.53851	-1.2978	1.3189	0.48430	d
8.3262	28.34386	69.49293	100.50000	0.62504	-1.4589	1.4835	0.56408	d
8.8160	28.36414	69.00357	100.50000	0.71721	-1.6194	1.6477	0.64952	d
9.3058	28.38443	68.51421	100.50000	0.81344	-1.7744	1.8066	0.73925	d
9.7955	28.40471	68.02486	100.50000	0.91408	-1.9238	1.9600	0.83361	d
10.285	28.42500	67.53550	100.50000	1.0195	-2.0671	2.1076	0.93298	d
10.775	28.44529	67.04614	100.50000	1.1300	-2.2040	2.2489	1.0377	d
11.265	28.46557	66.55679	100.50000	1.2461	-2.3339	2.3835	1.1483	d
11.755	28.48586	66.06743	100.50000	1.3682	-2.4564	2.5110	1.2652	d
12.244	28.50614	65.57807	100.50000	1.4967	-2.5709	2.6307	1.3889	d
12.734	28.52643	65.08871	100.50000	1.6322	-2.6768	2.7421	1.5200	d
13.224	28.54671	64.59936	100.50000	1.7753	-2.7733	2.8444	1.6589	d
13.714	28.56700	64.11000	100.50000	1.9265	-2.8596	2.9369	1.8064	d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

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	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0	d
0.48563	44.63204	86.74924	100.50000	0.0	0.0	0.0	0.0	d
0.97126	44.66109	86.26448	100.50000	0.0	0.0	0.0	0.0	d
1.4569	44.69013	85.77972	100.50000	0.0	0.0	0.0	0.0	d
1.9425	44.71917	85.29496	100.50000	0.0	0.0	0.0	0.0	d
2.4282	44.74822	84.81020	100.50000	0.0	0.0	0.0	0.0	d
2.9138	44.77726	84.32543	100.50000	0.0	0.0	0.0	0.0	d
3.3994	44.80630	83.84067	100.50000	0.0	0.0	0.0	0.0	d
3.8850	44.83535	83.35591	100.50000	0.0	0.0	0.0	0.0	d
4.3707	44.86439	82.87115	100.50000	0.0	0.0	0.0	0.0	d
4.8563	44.89343	82.38639	100.50000	0.0	0.0	0.0	0.0	d
5.3419	44.92248	81.90163	100.50000	0.0	0.0	0.0	0.0	d
5.8276	44.95152	81.41687	100.50000	0.0	0.0	0.0	0.0	d
6.3132	44.98057	80.93211	100.50000	0.0	0.0	0.0	0.0	d
6.7988	45.00961	80.44735	100.50000	0.0	0.0	0.0	0.0	d
7.2845	45.03865	79.96259	100.50000	0.0	0.0	0.0	0.0	d
7.7701	45.06770	79.47783	100.50000	0.0	0.0	0.0	0.0	d
8.2557	45.09674	78.99307	100.50000	0.0	0.0	0.0	0.0	d
8.7413	45.12578	78.50830	100.50000	0.0	0.0	0.0	0.0	d
9.2270	45.15483	78.02354	100.50000	0.0	0.0	0.0	0.0	d
9.7126	45.18387	77.53878	100.50000	0.0	0.0	0.0	0.0	d
10.198	45.21291	77.05402	100.50000	115.62E-6	-0.0024660	0.0024685	-32.071E-6	d
10.684	45.24196	76.56926	100.50000	0.0086437	-0.18436	0.18455	-0.0023977	d
11.169	45.27100	76.08450	100.50000	0.017172	-0.36626	0.36663	-0.0047633	d
11.655	45.30004	75.59974	100.50000	0.025700	-0.54815	0.54871	-0.0071289	d
12.141	45.32909	75.11498	100.50000	0.034228	-0.73005	0.73079	-0.0094946	d
12.626	45.35813	74.63022	100.50000	0.042756	-0.91195	0.91287	-0.011860	d
13.112	45.38717	74.14546	100.50000	0.051284	-1.0938	1.0950	-0.014226	d
13.598	45.41622	73.66070	100.50000	0.059812	-1.2757	1.2770	-0.016591	d
14.083	45.44526	73.17593	100.50000	0.068340	-1.4576	1.4591	-0.018957	d
14.569	45.47430	72.69117	100.50000	0.076868	-1.6395	1.6412	-0.021323	d
15.055	45.50335	72.20641	100.50000	0.086132	-1.8371	1.8390	-0.023892	d
15.540	45.53239	71.72165	100.50000	0.098667	-2.1045	2.1066	-0.027370	d
16.026	45.56143	71.23689	100.50000	0.11121	-2.3721	2.3745	-0.030849	d
16.511	45.59048	70.75213	100.50000	0.12378	-2.6400	2.6427	-0.034335	d
16.997	45.61952	70.26737	100.50000	0.13637	-2.9086	2.9116	-0.037827	d
17.483	45.64857	69.78261	100.50000	0.14900	-3.1779	3.1812	-0.041330	d
17.968	45.67761	69.29785	100.50000	0.16167	-3.4483	3.4518	-0.044846	d
18.454	45.70665	68.81309	100.50000	0.17440	-3.7197	3.7235	-0.048377	d
18.940	45.73570	68.32833	100.50000	0.18719	-3.9926	3.9966	-0.051925	d
19.425	45.76474	67.84357	100.50000	0.20005	-4.2669	4.2713	-0.055493	d
19.911	45.79378	67.35880	100.50000	0.21300	-4.5430	4.5477	-0.059084	d
20.396	45.82283	66.87404	100.50000	0.22603	-4.8211	4.8260	-0.062700	d
20.882	45.85187	66.38928	100.50000	0.23917	-5.1012	5.1064	-0.066343	d
21.368	45.88091	65.90452	100.50000	0.25241	-5.3836	5.3891	-0.070016	d
21.853	45.90996	65.41976	100.50000	0.26577	-5.6686	5.6743	-0.073722	d
22.339	45.93900	64.93500	100.50000	0.27925	-5.9562	5.9622	-0.077462	d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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	45.93900	64.93500	100.50000	0.27925	-5.9562	-0.14526	-5.9610	d
0.49257	46.43032	64.97005	100.50000	0.27892	-5.9491	-0.14509	-5.9538	d
0.98513	46.92163	65.00510	100.50000	0.27858	-5.9419	-0.14492	-5.9467	d
1.4777	47.41295	65.04014	100.50000	0.27825	-5.9348	-0.14474	-5.9395	d
1.9703	47.90427	65.07519	100.50000	0.27791	-5.9276	-0.14457	-5.9324	d
2.4628	48.39559	65.11024	100.50000	0.27758	-5.9205	-0.14439	-5.9253	d
2.9554	48.88690	65.14529	100.50000	0.27724	-5.9134	-0.14422	-5.9181	d
3.4480	49.37822	65.18034	100.50000	0.27691	-5.9062	-0.14405	-5.9110	d
3.9405	49.86954	65.21538	100.50000	0.27658	-5.8991	-0.14387	-5.9038	d
4.4331	50.36086	65.25043	100.50000	0.27624	-5.8920	-0.14370	-5.8967	d
4.9257	50.85217	65.28548	100.50000	0.27591	-5.8849	-0.14352	-5.8896	d
5.4182	51.34349	65.32053	100.50000	0.27557	-5.8777	-0.14335	-5.8824	d
5.9108	51.83481	65.35558	100.50000	0.27524	-5.8706	-0.14318	-5.8753	d
6.4034	52.32612	65.39063	100.50000	0.27491	-5.8635	-0.14300	-5.8682	d
6.8959	52.81744	65.42567	100.50000	0.27457	-5.8564	-0.14283	-5.8611	d
7.3885	53.30876	65.46072	100.50000	0.27424	-5.8493	-0.14266	-5.8539	d
7.8811	53.80008	65.49577	100.50000	0.27391	-5.8421	-0.14248	-5.8468	d
8.3736	54.29139	65.53082	100.50000	0.27357	-5.8350	-0.14231	-5.8397	d
8.8662	54.78271	65.56587	100.50000	0.080389	-5.8181	-0.33380	-5.8091	d
9.3588	55.27403	65.60091	100.50000	-0.16851	-5.7873	-0.57987	-5.7607	d
9.8513	55.76535	65.63596	100.50000	-0.41244	-5.7443	-0.82012	-5.7004	d
10.344	56.25666	65.67101	100.50000	-0.62792	-5.6902	-1.0312	-5.6311	d
10.836	56.74798	65.70606	100.50000	-0.62217	-5.6381	-1.0218	-5.5795	d
11.329	57.23930	65.74111	100.50000	-0.61643	-5.5861	-1.0123	-5.5281	d
11.822	57.73062	65.77615	100.50000	-0.61070	-5.5342	-1.0029	-5.4767	d
12.314	58.22193	65.81120	100.50000	-0.60498	-5.4824	-0.99354	-5.4254	d
12.807	58.71325	65.84625	100.50000	-0.59927	-5.4306	-0.98417	-5.3742	d
13.299	59.20457	65.88130	100.50000	-0.59357	-5.3790	-0.97481	-5.3231	d
13.792	59.69588	65.91635	100.50000	-0.58788	-5.3274	-0.96546	-5.2721	d
14.284	60.18720	65.95139	100.50000	-0.58220	-5.2759	-0.95613	-5.2211	d
14.777	60.67852	65.98644	100.50000	-0.57653	-5.2245	-0.94681	-5.1702	d
15.270	61.16984	66.02149	100.50000	-0.57087	-5.1732	-0.93751	-5.1195	d
15.762	61.66115	66.05654	100.50000	-0.56521	-5.1219	-0.92823	-5.0687	d
16.255	62.15247	66.09159	100.50000	-0.55957	-5.0708	-0.91895	-5.0181	d
16.747	62.64379	66.12663	100.50000	-0.55393	-5.0197	-0.90969	-4.9675	d
17.240	63.13511	66.16168	100.50000	-0.54830	-4.9687	-0.90045	-4.9171	d
17.732	63.62642	66.19673	100.50000	-0.54268	-4.9177	-0.89122	-4.8666	d
18.225	64.11774	66.23178	100.50000	-0.53708	-4.8668	-0.88201	-4.8163	d

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
18.718	64.60906	66.26683	100.50000	-0.63976	-4.6894	-0.97181	-4.6320 d
19.210	65.10038	66.30187	100.50000	-0.73664	-4.5072	-1.0555	-4.4434 d
19.703	65.59169	66.33692	100.50000	-0.82694	-4.3216	-1.1323	-4.2518 d
20.195	66.08301	66.37197	100.50000	-0.91000	-4.1335	-1.2018	-4.0583 d
20.688	66.57433	66.40702	100.50000	-0.98526	-3.9441	-1.2634	-3.8640 d
21.180	67.06564	66.44207	100.50000	-1.0523	-3.7544	-1.3167	-3.6700 d
21.673	67.55696	66.47712	100.50000	-1.1106	-3.5650	-1.3615	-3.4770 d
22.165	68.04828	66.51216	100.50000	-1.1601	-3.3769	-1.3974	-3.2858 d
22.658	68.53960	66.54721	100.50000	-1.2004	-3.1907	-1.4244	-3.0972 d
23.151	69.03091	66.58226	100.50000	-1.2316	-3.0068	-1.4424	-2.9116 d
23.643	69.52223	66.61731	100.50000	-1.2536	-2.8259	-1.4515	-2.7295 d
24.136	70.01355	66.65236	100.50000	-1.2663	-2.6482	-1.4515	-2.5513 d
24.628	70.50487	66.68740	100.50000	-1.2700	-2.4740	-1.4428	-2.3774 d
25.121	70.99618	66.72245	100.50000	-1.2647	-2.3037	-1.4254	-2.2078 d
25.613	71.48750	66.75750	100.50000	-1.2506	-2.1373	-1.3995	-2.0429 d
26.106	71.97882	66.79255	100.50000	-1.2278	-1.9750	-1.3653	-1.8827 d
26.599	72.47013	66.82760	100.50000	-1.1967	-1.8169	-1.3230	-1.7271 d
27.091	72.96145	66.86264	100.50000	-1.1574	-1.6629	-1.2728	-1.5764 d
27.584	73.45277	66.89769	100.50000	-1.1102	-1.5131	-1.2150	-1.4303 d
28.076	73.94409	66.93274	100.50000	-1.0553	-1.3675	-1.1499	-1.2889 d
28.569	74.43540	66.96779	100.50000	-0.99291	-1.2259	-1.0776	-1.1521 d
29.061	74.92672	67.00284	100.50000	-0.92335	-1.0882	-0.99844	-1.0198 d
29.554	75.41804	67.03788	100.50000	-0.86087	-0.97025	-0.92772	-0.90654 d
30.047	75.90936	67.07293	100.50000	-0.81038	-0.87493	-0.87058	-0.81505 d
30.539	76.40067	67.10798	100.50000	-0.75527	-0.78237	-0.80903	-0.72664 d
31.032	76.89199	67.14303	100.50000	-0.69573	-0.69249	-0.74324	-0.64123 d
31.524	77.38331	67.17808	100.50000	-0.63194	-0.60523	-0.67340	-0.55873 d
32.017	77.87463	67.21313	100.50000	-0.56407	-0.52050	-0.59968	-0.47905 d
32.509	78.36594	67.24817	100.50000	-0.49229	-0.43823	-0.52223	-0.40209 d
33.002	78.85726	67.28322	100.50000	-0.41678	-0.35833	-0.44122	-0.32776 d
33.494	79.34858	67.31827	100.50000	-0.33769	-0.28071	-0.35681	-0.25597 d
33.987	79.83989	67.35332	100.50000	-0.25517	-0.20531	-0.26913	-0.18663 d
34.480	80.33121	67.38837	100.50000	-0.16937	-0.13204	-0.17834	-0.11965 d
34.972	80.82253	67.42341	100.50000	-0.080442	-0.060815	-0.084565	-0.054937 d
35.465	81.31385	67.45846	100.50000	0.0	0.0	0.0	0.0 d
35.957	81.80516	67.49351	100.50000	0.0	0.0	0.0	0.0 d
36.450	82.29648	67.52856	100.50000	0.0	0.0	0.0	0.0 d
36.942	82.78780	67.56361	100.50000	0.0	0.0	0.0	0.0 d
37.435	83.27912	67.59865	100.50000	0.0	0.0	0.0	0.0 d
37.928	83.77043	67.63370	100.50000	0.0	0.0	0.0	0.0 d
38.420	84.26175	67.66875	100.50000	0.0	0.0	0.0	0.0 d
38.913	84.75307	67.70380	100.50000	0.0	0.0	0.0	0.0 d
39.405	85.24438	67.73885	100.50000	0.0	0.0	0.0	0.0 d
39.898	85.73570	67.77389	100.50000	0.0	0.0	0.0	0.0 d
40.390	86.22702	67.80894	100.50000	0.0	0.0	0.0	0.0 d
40.883	86.71834	67.84399	100.50000	0.0	0.0	0.0	0.0 d
41.376	87.20965	67.87904	100.50000	0.0	0.0	0.0	0.0 d
41.868	87.70097	67.91409	100.50000	0.0	0.0	0.0	0.0 d
42.361	88.19229	67.94913	100.50000	0.0	0.0	0.0	0.0 d
42.853	88.68361	67.98418	100.50000	0.0	0.0	0.0	0.0 d
43.346	89.17492	68.01923	100.50000	0.0	0.0	0.0	0.0 d
43.838	89.66624	68.05428	100.50000	0.0	0.0	0.0	0.0 d
44.331	90.15756	68.08933	100.50000	0.0	0.0	0.0	0.0 d
44.823	90.64888	68.12438	100.50000	0.0	0.0	0.0	0.0 d
45.316	91.14019	68.15942	100.50000	0.0	0.0	0.0	0.0 d
45.809	91.63151	68.19447	100.50000	0.0	0.0	0.0	0.0 d
46.301	92.12283	68.22952	100.50000	0.0	0.0	0.0	0.0 d
46.794	92.61414	68.26457	100.50000	0.0	0.0	0.0	0.0 d
47.286	93.10546	68.29962	100.50000	0.0	0.0	0.0	0.0 d
47.779	93.59678	68.33466	100.50000	0.0	0.0	0.0	0.0 d
48.271	94.08810	68.36971	100.50000	0.0	0.0	0.0	0.0 d
48.764	94.57941	68.40476	100.50000	0.0	0.0	0.0	0.0 d
49.257	95.07073	68.43981	100.50000	0.0	0.0	0.0	0.0 d
49.749	95.56205	68.47486	100.50000	0.0	0.0	0.0	0.0 d
50.242	96.05337	68.50990	100.50000	0.0	0.0	0.0	0.0 d
50.734	96.54468	68.54495	100.50000	0.0	0.0	0.0	0.0 d
51.227	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

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	97.03600	68.58000	100.50000	0.0	0.0	0.0	0.0 d
0.48909	96.99859	69.06765	100.50000	0.0	0.0	0.0	0.0 d
0.97817	96.96117	69.55530	100.50000	0.0	0.0	0.0	0.0 d
1.4673	96.92376	70.04296	100.50000	0.0	0.0	0.0	0.0 d
1.9563	96.88635	70.53061	100.50000	0.0	0.0	0.0	0.0 d
2.4454	96.84893	71.01826	100.50000	0.0	0.0	0.0	0.0 d
2.9345	96.81152	71.50591	100.50000	0.0	0.0	0.0	0.0 d
3.4236	96.77411	71.99357	100.50000	0.0	0.0	0.0	0.0 d
3.9127	96.73670	72.48122	100.50000	0.0	0.0	0.0	0.0 d
4.4018	96.69928	72.96887	100.50000	0.0	0.0	0.0	0.0 d
4.8909	96.66187	73.45652	100.50000	0.0	0.0	0.0	0.0 d
5.3799	96.62446	73.94417	100.50000	0.0	0.0	0.0	0.0 d
5.8690	96.58704	74.43183	100.50000	0.0	0.0	0.0	0.0 d
6.3581	96.54963	74.91948	100.50000	0.0	0.0	0.0	0.0 d
6.8472	96.51222	75.40713	100.50000	0.0	0.0	0.0	0.0 d
7.3363	96.47480	75.89478	100.50000	0.0	0.0	0.0	0.0 d
7.8254	96.43739	76.38243	100.50000	0.0	0.0	0.0	0.0 d
8.3144	96.39998	76.87009	100.50000	0.0	0.0	0.0	0.0 d
8.8035	96.36257	77.35774	100.50000	0.0	0.0	0.0	0.0 d
9.2926	96.32515	77.84539	100.50000	0.0	0.0	0.0	0.0 d
9.7817	96.28774	78.33304	100.50000	0.0	0.0	0.0	0.0 d
10.271	96.25033	78.82070	100.50000	0.0	0.0	0.0	0.0 d
10.760	96.21291	79.30835	100.50000	0.0	0.0	0.0	0.0 d
11.249	96.17550	79.79600	100.50000	0.0	0.0	0.0	0.0 d
11.738	96.13809	80.28365	100.50000	0.0	0.0	0.0	0.0 d
12.227	96.10067	80.77130	100.50000	0.0	0.0	0.0	0.0 d
12.716	96.06326	81.25896	100.50000	0.0	0.0	0.0	0.0 d
13.205	96.02585	81.74661	100.50000	0.0	0.0	0.0	0.0 d
13.694	95.98843	82.23426	100.50000	0.0	0.0	0.0	0.0 d
14.183	95.95102	82.72191	100.50000	0.0	0.0	0.0	0.0 d
14.673	95.91361	83.20957	100.50000	0.0	0.0	0.0	0.0 d
15.162	95.87620	83.69722	100.50000	0.0	0.0	0.0	0.0 d
15.651	95.83878	84.18487	100.50000	0.0	0.0	0.0	0.0 d
16.140	95.80137	84.67252	100.50000	0.0	0.0	0.0	0.0 d
16.629	95.76396	85.16017	100.50000	0.0	0.0	0.0	0.0 d
17.118	95.72654	85.64783	100.50000	0.0	0.0	0.0	0.0 d
17.607	95.68913	86.13548	100.50000	0.0	0.0	0.0	0.0 d
18.096	95.65172	86.62313	100.50000	0.0	0.0	0.0	0.0 d
18.585	95.61430	87.11078	100.50000	0.0	0.0	0.0	0.0 d
19.074	95.57689	87.59843	100.50000	0.0	0.0	0.0	0.0 d
19.563	95.53948	88.08609	100.50000	0.0	0.0	0.0	0.0 d
20.052	95.50207	88.57374	100.50000	0.0	0.0	0.0	0.0 d
20.542	95.46465	89.06139	100.50000	0.0	0.0	0.0	0.0 d
21.031	95.42724	89.54904	100.50000	0.0	0.0	0.0	0.0 d
21.520	95.38983	90.03670	100.50000	0.0	0.0	0.0	0.0 d
22.009	95.35241	90.52435	100.50000	0.0	0.0	0.0	0.0 d
22.498	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

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	95.31500	91.01200	100.50000	0.0	0.0	0.0	0.0 d
0.47118	94.84520	90.97595	100.50000	0.0	0.0	0.0	0.0 d
0.94236	94.37540	90.93990	100.50000	0.0	0.0	0.0	0.0 d
1.4135	93.90560	90.90385	100.50000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
1.8847	93.43580	90.86780	100.50000	0.0	0.0	0.0	0.0 d
2.3559	92.96600	90.83175	100.50000	0.0	0.0	0.0	0.0 d
2.8271	92.49620	90.79570	100.50000	0.0	0.0	0.0	0.0 d
3.2983	92.02640	90.75965	100.50000	0.0	0.0	0.0	0.0 d
3.7694	91.55660	90.72360	100.50000	0.0	0.0	0.0	0.0 d
4.2406	91.08680	90.68755	100.50000	0.0	0.0	0.0	0.0 d
4.7118	90.61700	90.65150	100.50000	0.0	0.0	0.0	0.0 d
5.1830	90.14720	90.61545	100.50000	0.0	0.0	0.0	0.0 d
5.6542	89.67740	90.57940	100.50000	0.0	0.0	0.0	0.0 d
6.1254	89.20760	90.54335	100.50000	0.0	0.0	0.0	0.0 d
6.5965	88.73780	90.50730	100.50000	0.0	0.0	0.0	0.0 d
7.0677	88.26800	90.47125	100.50000	0.0	0.0	0.0	0.0 d
7.5389	87.79820	90.43520	100.50000	0.0	0.0	0.0	0.0 d
8.0101	87.32840	90.39915	100.50000	0.0	0.0	0.0	0.0 d
8.4813	86.85860	90.36310	100.50000	0.0	0.0	0.0	0.0 d
8.9524	86.38880	90.32705	100.50000	0.0	0.0	0.0	0.0 d
9.4236	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

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	85.91900	90.29100	100.50000	0.0	0.0	0.0	0.0 d
0.48006	85.95573	89.81235	100.50000	0.0	0.0	0.0	0.0 d
0.96012	85.99246	89.33369	100.50000	0.0	0.0	0.0	0.0 d
1.4402	86.02919	88.85504	100.50000	0.0	0.0	0.0	0.0 d
1.9202	86.06592	88.37638	100.50000	0.0	0.0	0.0	0.0 d
2.4003	86.10265	87.89773	100.50000	0.0	0.0	0.0	0.0 d
2.8804	86.13938	87.41908	100.50000	0.0	0.0	0.0	0.0 d
3.3604	86.17612	86.94042	100.50000	0.0	0.0	0.0	0.0 d
3.8405	86.21285	86.46177	100.50000	0.0	0.0	0.0	0.0 d
4.3205	86.24958	85.98312	100.50000	0.0	0.0	0.0	0.0 d
4.8006	86.28631	85.50446	100.50000	0.0	0.0	0.0	0.0 d
5.2807	86.32304	85.02581	100.50000	0.0	0.0	0.0	0.0 d
5.7607	86.35977	84.54715	100.50000	0.0	0.0	0.0	0.0 d
6.2408	86.39650	84.06850	100.50000	0.0	0.0	0.0	0.0 d
6.7209	86.43323	83.58985	100.50000	0.0	0.0	0.0	0.0 d
7.2009	86.46996	83.11119	100.50000	0.0	0.0	0.0	0.0 d
7.6810	86.50669	82.63254	100.50000	0.0	0.0	0.0	0.0 d
8.1610	86.54342	82.15388	100.50000	0.0	0.0	0.0	0.0 d
8.6411	86.58015	81.67523	100.50000	0.0	0.0	0.0	0.0 d
9.1212	86.61688	81.19658	100.50000	0.0	0.0	0.0	0.0 d
9.6012	86.65362	80.71792	100.50000	0.0	0.0	0.0	0.0 d
10.081	86.69035	80.23927	100.50000	0.0	0.0	0.0	0.0 d
10.561	86.72708	79.76062	100.50000	0.0	0.0	0.0	0.0 d
11.041	86.76381	79.28196	100.50000	0.0	0.0	0.0	0.0 d
11.521	86.80054	78.80331	100.50000	0.0	0.0	0.0	0.0 d
12.002	86.83727	78.32465	100.50000	0.0	0.0	0.0	0.0 d
12.482	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

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	86.87400	77.84600	100.50000	0.0	0.0	0.0	0.0 d
0.49556	86.37989	77.80809	100.50000	0.0	0.0	0.0	0.0 d
0.99112	85.88579	77.77018	100.50000	0.0	0.0	0.0	0.0 d
1.4867	85.39168	77.73227	100.50000	0.0	0.0	0.0	0.0 d
1.9822	84.89758	77.69436	100.50000	0.0	0.0	0.0	0.0 d
2.4778	84.40347	77.65645	100.50000	0.0	0.0	0.0	0.0 d
2.9733	83.90936	77.61855	100.50000	0.0	0.0	0.0	0.0 d
3.4689	83.41526	77.58064	100.50000	0.0	0.0	0.0	0.0 d
3.9645	82.92115	77.54273	100.50000	0.0	0.0	0.0	0.0 d
4.4600	82.42705	77.50482	100.50000	0.0	0.0	0.0	0.0 d
4.9556	81.93294	77.46691	100.50000	0.0	0.0	0.0	0.0 d
5.4511	81.43883	77.42900	100.50000	0.0	0.0	0.0	0.0 d
5.9467	80.94473	77.39109	100.50000	0.0	0.0	0.0	0.0 d
6.4423	80.45062	77.35318	100.50000	0.0	0.0	0.0	0.0 d
6.9378	79.95652	77.31527	100.50000	0.0	0.0	0.0	0.0 d
7.4334	79.46241	77.27736	100.50000	0.0	0.0	0.0	0.0 d
7.9289	78.96830	77.23945	100.50000	0.0	0.0	0.0	0.0 d
8.4245	78.47420	77.20155	100.50000	0.0	0.0	0.0	0.0 d
8.9200	77.98009	77.16364	100.50000	0.0	0.0	0.0	0.0 d
9.4156	77.48598	77.12573	100.50000	0.0	0.0	0.0	0.0 d
9.9112	76.99188	77.08782	100.50000	0.0	0.0	0.0	0.0 d
10.407	76.49777	77.04991	100.50000	0.0	0.0	0.0	0.0 d
10.902	76.00367	77.01200	100.50000	0.0	0.0	0.0	0.0 d
11.398	75.50956	76.97409	100.50000	0.0	0.0	0.0	0.0 d
11.893	75.01545	76.93618	100.50000	0.0	0.0	0.0	0.0 d
12.389	74.52135	76.89827	100.50000	0.0	0.0	0.0	0.0 d
12.885	74.02724	76.86036	100.50000	0.0	0.0	0.0	0.0 d
13.380	73.53314	76.82245	100.50000	0.0	0.0	0.0	0.0 d
13.876	73.03903	76.78455	100.50000	0.0	0.0	0.0	0.0 d
14.371	72.54492	76.74664	100.50000	0.0	0.0	0.0	0.0 d
14.867	72.05082	76.70873	100.50000	0.0	0.0	0.0	0.0 d
15.362	71.55671	76.67082	100.50000	0.0	0.0	0.0	0.0 d
15.858	71.06261	76.63291	100.50000	0.0	0.0	0.0	0.0 d
16.353	70.56850	76.59500	100.50000	0.0	0.0	0.0	0.0 d
16.849	70.07439	76.55709	100.50000	0.0	0.0	0.0	0.0 d
17.345	69.58029	76.51918	100.50000	0.0	0.0	0.0	0.0 d
17.840	69.08618	76.48127	100.50000	0.0	0.0	0.0	0.0 d
18.336	68.59208	76.44336	100.50000	0.0	0.0	0.0	0.0 d
18.831	68.09797	76.40545	100.50000	0.0	0.0	0.0	0.0 d
19.327	67.60386	76.36755	100.50000	0.0	0.0	0.0	0.0 d
19.822	67.10976	76.32964	100.50000	0.0	0.0	0.0	0.0 d
20.318	66.61565	76.29173	100.50000	-631.08E-6	-0.0041307	945.22E-6	0.0040703 d
20.813	66.12155	76.25382	100.50000	-0.0063422	-0.046115	0.0098513	0.045495 d
21.309	65.62744	76.21591	100.50000	-0.010496	-0.085633	0.017016	0.084579 d
21.805	65.13333	76.17800	100.50000	-0.013490	-0.12224	0.022802	0.12085 d
22.300	64.63923	76.14009	100.50000	-0.017269	-0.15649	0.029189	0.15471 d
22.796	64.14512	76.10218	100.50000	-0.021048	-0.19074	0.035577	0.18857 d
23.291	63.65102	76.06427	100.50000	-0.024827	-0.22498	0.041965	0.22242 d
23.787	63.15691	76.02636	100.50000	-0.028606	-0.25923	0.048353	0.25628 d
24.282	62.66280	75.98845	100.50000	-0.032385	-0.29347	0.054740	0.29014 d
24.778	62.16870	75.95055	100.50000	-0.036164	-0.32772	0.061128	0.32399 d
25.273	61.67459	75.91264	100.50000	-0.039943	-0.36197	0.067516	0.35785 d
25.769	61.18048	75.87473	100.50000	-0.043722	-0.39621	0.073904	0.39171 d
26.265	60.68638	75.83682	100.50000	-0.047501	-0.43046	0.080291	0.42556 d
26.760	60.19227	75.79891	100.50000	-0.051280	-0.46470	0.086679	0.45942 d
27.256	59.69817	75.76100	100.50000	-0.055060	-0.49895	0.093067	0.49327 d
27.751	59.20406	75.72309	100.50000	-0.058839	-0.53319	0.099454	0.52713 d
28.247	58.70995	75.68518	100.50000	-0.062618	-0.56744	0.10584	0.56099 d
28.742	58.21585	75.64727	100.50000	-0.066397	-0.60169	0.11223	0.59484 d
29.238	57.72174	75.60936	100.50000	-0.070176	-0.63593	0.11862	0.62870 d
29.733	57.22764	75.57145	100.50000	-0.071518	-0.67020	0.12258	0.66277 d
30.229	56.73353	75.53355	100.50000	-0.058890	-0.70224	0.11244	0.69568 d
30.725	56.23942	75.49564	100.50000	-0.044447	-0.73017	0.10017	0.72463 d
31.220	55.74532	75.45773	100.50000	-0.028479	-0.75393	0.086069	0.74954 d
31.716	55.25121	75.41982	100.50000	-0.011282	-0.77349	0.070419	0.77036 d
32.211	54.75711	75.38191	100.50000	0.0068366	-0.78879	0.053524	0.78701 d
32.707	54.26300	75.34400	100.50000	0.025562	-0.79982	0.035698	0.79943 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

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	54.26300	75.34400	100.50000	0.025562	-0.79982	-0.79943	0.035715	d
0.48103	54.22619	75.82362	100.50000	0.020425	-0.61991	-0.61966	0.027070	d
0.96205	54.18938	76.30323	100.50000	0.014913	-0.43999	-0.43984	0.018798	d
1.4431	54.15258	76.78285	100.50000	0.0090496	-0.26004	-0.25997	0.010875	d
1.9241	54.11577	77.26246	100.50000	0.0028564	-0.080081	-0.080064	0.0032797	d
2.4051	54.07896	77.74208	100.50000	0.0	0.0	0.0	0.0	d
2.8862	54.04215	78.22169	100.50000	0.0	0.0	0.0	0.0	d
3.3672	54.00535	78.70131	100.50000	0.0	0.0	0.0	0.0	d
3.8482	53.96854	79.18092	100.50000	0.0	0.0	0.0	0.0	d
4.3292	53.93173	79.66054	100.50000	0.0	0.0	0.0	0.0	d
4.8103	53.89492	80.14015	100.50000	0.0	0.0	0.0	0.0	d
5.2913	53.85812	80.61977	100.50000	0.0	0.0	0.0	0.0	d
5.7723	53.82131	81.09938	100.50000	0.0	0.0	0.0	0.0	d
6.2533	53.78450	81.57900	100.50000	0.0	0.0	0.0	0.0	d
6.7344	53.74769	82.05862	100.50000	0.0	0.0	0.0	0.0	d
7.2154	53.71088	82.53823	100.50000	0.0	0.0	0.0	0.0	d
7.6964	53.67408	83.01785	100.50000	0.0	0.0	0.0	0.0	d
8.1774	53.63727	83.49746	100.50000	0.0	0.0	0.0	0.0	d
8.6585	53.60046	83.97708	100.50000	0.0	0.0	0.0	0.0	d
9.1395	53.56365	84.45669	100.50000	0.0	0.0	0.0	0.0	d
9.6205	53.52685	84.93631	100.50000	0.0	0.0	0.0	0.0	d
10.102	53.49004	85.41592	100.50000	0.0	0.0	0.0	0.0	d
10.583	53.45323	85.89554	100.50000	0.0	0.0	0.0	0.0	d
11.064	53.41642	86.37515	100.50000	0.0	0.0	0.0	0.0	d
11.545	53.37962	86.85477	100.50000	0.0	0.0	0.0	0.0	d
12.026	53.34281	87.33438	100.50000	0.0	0.0	0.0	0.0	d
12.507	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

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	53.30600	87.81400	100.50000	0.0	0.0	0.0	0.0	d
0.48457	52.82250	87.78178	100.50000	0.0	0.0	0.0	0.0	d
0.96915	52.33900	87.74956	100.50000	0.0	0.0	0.0	0.0	d
1.4537	51.85550	87.71733	100.50000	0.0	0.0	0.0	0.0	d
1.9383	51.37200	87.68511	100.50000	0.0	0.0	0.0	0.0	d
2.4229	50.88850	87.65289	100.50000	0.0	0.0	0.0	0.0	d
2.9074	50.40500	87.62067	100.50000	0.0	0.0	0.0	0.0	d
3.3920	49.92150	87.58844	100.50000	0.0	0.0	0.0	0.0	d
3.8766	49.43800	87.55622	100.50000	0.0	0.0	0.0	0.0	d
4.3612	48.95450	87.52400	100.50000	0.0	0.0	0.0	0.0	d
4.8457	48.47100	87.49178	100.50000	0.0	0.0	0.0	0.0	d
5.3303	47.98750	87.45956	100.50000	0.0	0.0	0.0	0.0	d
5.8149	47.50400	87.42733	100.50000	0.0	0.0	0.0	0.0	d
6.2994	47.02050	87.39511	100.50000	0.0	0.0	0.0	0.0	d
6.7840	46.53700	87.36289	100.50000	0.0	0.0	0.0	0.0	d
7.2686	46.05350	87.33067	100.50000	0.0	0.0	0.0	0.0	d
7.7532	45.57000	87.29844	100.50000	0.0	0.0	0.0	0.0	d
8.2377	45.08650	87.26622	100.50000	0.0	0.0	0.0	0.0	d
8.7223	44.60300	87.23400	100.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: GVA-1 | Sub-structure: GVA-1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	9.25200	89.52300	100.50000	-0.0090193 d
0.48595	9.22654	89.03772	100.50000	-0.0089555 d
0.97189	9.20108	88.55244	100.50000	-0.0088852 d
1.4578	9.17562	88.06716	100.50000	-0.0088082 d
1.9438	9.15016	87.58188	100.50000	-0.0087243 d
2.4297	9.12470	87.09660	100.50000	-0.0086332 d
2.9157	9.09924	86.61132	100.50000	-0.0085348 d
3.4016	9.07378	86.12604	100.50000	-0.0084287 d
3.8876	9.04832	85.64076	100.50000	-0.0083147 d
4.3735	9.02286	85.15548	100.50000	-0.0081927 d
4.8595	8.99740	84.67020	100.50000	-0.0080623 d
5.3454	8.97194	84.18492	100.50000	-0.0079233 d
5.8314	8.94648	83.69964	100.50000	-0.0077756 d
6.3173	8.92102	83.21436	100.50000	-0.0076188 d
6.8033	8.89556	82.72908	100.50000	-0.0074527 d
7.2892	8.87010	82.24380	100.50000	-0.0072772 d
7.7752	8.84464	81.75852	100.50000	-0.0070919 d
8.2611	8.81918	81.27324	100.50000	-0.0068967 d
8.7471	8.79372	80.78796	100.50000	-0.0066914 d
9.2330	8.76826	80.30268	100.50000	-0.0064757 d
9.7189	8.74280	79.81740	100.50000	-0.0062495 d
10.205	8.71734	79.33212	100.50000	-0.0060126 d
10.691	8.69188	78.84684	100.50000	-0.0057648 d
11.177	8.66642	78.36156	100.50000	-0.0055059 d
11.663	8.64096	77.87628	100.50000	-0.0052359 d
12.149	8.61550	77.39100	100.50000	-0.0049545 d
12.635	8.59004	76.90572	100.50000	-0.0046616 d
13.121	8.56458	76.42044	100.50000	-0.0043572 d
13.607	8.53912	75.93516	100.50000	-0.0040412 d
14.092	8.51366	75.44988	100.50000	-0.0037135 d
14.578	8.48820	74.96460	100.50000	-0.0033740 d
15.064	8.46274	74.47932	100.50000	-0.0030228 d
15.550	8.43728	73.99404	100.50000	-0.0026599 d
16.036	8.41182	73.50876	100.50000	-0.0022853 d
16.522	8.38636	73.02348	100.50000	-0.0018991 d
17.008	8.36090	72.53820	100.50000	-0.0015013 d
17.494	8.33544	72.05292	100.50000	-0.0010922 d
17.980	8.30998	71.56764	100.50000	-671.82E-6 d
18.466	8.28452	71.08236	100.50000	-240.42E-6 d
18.952	8.25906	70.59708	100.50000	201.77E-6 d
19.438	8.23360	70.11180	100.50000	654.48E-6 d
19.924	8.20814	69.62652	100.50000	0.0011174 d
20.410	8.18268	69.14124	100.50000	0.0015902 d
20.896	8.15722	68.65596	100.50000	0.0020724 d
21.382	8.13176	68.17068	100.50000	0.0025636 d
21.868	8.10630	67.68540	100.50000	0.0030634 d
22.354	8.08084	67.20012	100.50000	0.0035712 d
22.840	8.05538	66.71484	100.50000	0.0040864 d
23.325	8.02992	66.22956	100.50000	0.0046085 d
23.811	8.00446	65.74428	100.50000	0.0051367 d
24.297	7.97900	65.25900	100.50000	0.0056704 d

d - Displacements include imported displacements.

Structure: GVA-2 | Sub-structure: GVA-2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	7.97900	65.25900	100.50000	0.0056704 d
0.48050	7.95067	64.77933	100.50000	0.0061950 d
0.96101	7.92233	64.29967	100.50000	0.0067229 d
1.4415	7.89400	63.82000	100.50000	0.0072533 d
1.9220	7.86567	63.34033	100.50000	0.0077853 d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
2.4025	7.83733	62.86067	100.50000	0.0083180	d
2.8830	7.80900	62.38100	100.50000	0.0088506	d

d - Displacements include imported displacements.

Structure: GVA-3 | Sub-structure: GVA-3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	7.80900	62.38100	100.50000	0.0088506	d
0.47715	8.28487	62.34613	100.50000	0.010279	d
0.95430	8.76075	62.31125	100.50000	0.011804	d
1.4315	9.23663	62.27638	100.50000	0.013431	d
1.9086	9.71250	62.24150	100.50000	0.015167	d
2.3858	10.18838	62.20662	100.50000	0.017018	d
2.8629	10.66425	62.17175	100.50000	0.018992	d
3.3401	11.14012	62.13687	100.50000	0.021096	d
3.8172	11.61600	62.10200	100.50000	0.023339	d

d - Displacements include imported displacements.

Structure: GVA-4 | Sub-structure: GVA-4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	11.61600	62.10200	100.50000	0.023339	d
0.47359	11.65050	62.57433	100.50000	0.022404	d
0.94718	11.68500	63.04667	100.50000	0.021470	d
1.4208	11.71950	63.51900	100.50000	0.020538	d
1.8944	11.75400	63.99133	100.50000	0.019609	d
2.3680	11.78850	64.46367	100.50000	0.018684	d
2.8415	11.82300	64.93600	100.50000	0.017766	d

d - Displacements include imported displacements.

Structure: GVA-5 | Sub-structure: GVA-5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	11.82300	64.93600	100.50000	0.017766	d
0.48843	12.31013	64.90031	100.50000	0.019768	d
0.97686	12.79725	64.86463	100.50000	0.021898	d
1.4653	13.28438	64.82894	100.50000	0.024163	d
1.9537	13.77150	64.79325	100.50000	0.026573	d
2.4422	14.25863	64.75756	100.50000	0.029134	d
2.9306	14.74575	64.72187	100.50000	0.060949	d
3.4190	15.23288	64.68619	100.50000	0.15324	d
3.9074	15.72000	64.65050	100.50000	0.24538	d
4.3959	16.20713	64.61481	100.50000	0.34864	d
4.8843	16.69425	64.57913	100.50000	0.46997	d
5.3727	17.18138	64.54344	100.50000	0.58505	d
5.8612	17.66850	64.50775	100.50000	0.69579	d
6.3496	18.15563	64.47206	100.50000	0.80394	d
6.8380	18.64275	64.43637	100.50000	0.91111	d
7.3265	19.12988	64.40069	100.50000	1.0187	d
7.8149	19.61700	64.36500	100.50000	1.1280	d

d - Displacements include imported displacements.

Structure: GVA-6 | Sub-structure: GVA-6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.61700	64.36500	100.50000	1.1280	d
0.49248	19.58100	63.87383	100.50000	1.1897	d
0.98497	19.54500	63.38267	100.50000	1.2501	d
1.4775	19.50900	62.89150	100.50000	1.3093	d
1.9699	19.47300	62.40033	100.50000	1.3670	d
2.4624	19.43700	61.90917	100.50000	1.4231	d
2.9549	19.40100	61.41800	100.50000	1.4774	d

d - Displacements include imported displacements.

Structure: GVA-7 | Sub-structure: GVA-7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.40100	61.41800	100.50000	1.4774	d
0.46449	19.86425	61.38412	100.50000	1.6079	d
0.92897	20.32750	61.35025	100.50000	1.7452	d
1.3935	20.79075	61.31638	100.50000	1.8900	d
1.8579	21.25400	61.28250	100.50000	2.0426	d
2.3224	21.71725	61.24862	100.50000	2.2034	d
2.7869	22.18050	61.21475	100.50000	2.3725	d
3.2514	22.64375	61.18088	100.50000	2.5500	d
3.7159	23.10700	61.14700	100.50000	2.7358	d

d - Displacements include imported displacements.

Structure: GVA-8 | Sub-structure: GVA-8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.10700	61.14700	100.50000	2.7358	d
0.49250	23.13267	61.63883	100.50000	2.6302	d
0.98501	23.15833	62.13067	100.50000	2.5226	d
1.4775	23.18400	62.62250	100.50000	2.4137	d
1.9700	23.20967	63.11433	100.50000	2.3041	d
2.4625	23.23533	63.60617	100.50000	2.1944	d
2.9550	23.26100	64.09800	100.50000	2.0850	d

d - Displacements include imported displacements.

Structure: GVA-9 | Sub-structure: GVA-9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.26100	64.09800	100.50000	2.0850	d
0.49313	23.28670	64.59046	100.50000	1.9763	d
0.98626	23.31240	65.08292	100.50000	1.8690	d
1.4794	23.33810	65.57538	100.50000	1.7631	d
1.9725	23.36380	66.06784	100.50000	1.6592	d
2.4657	23.38950	66.56030	100.50000	1.5572	d
2.9588	23.41520	67.05276	100.50000	1.4573	d
3.4519	23.44090	67.54522	100.50000	1.3595	d
3.9450	23.46660	68.03768	100.50000	1.2635	d
4.4382	23.49230	68.53014	100.50000	1.1692	d
4.9313	23.51800	69.02260	100.50000	1.0761	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
5.4244	23.54370	69.51506	100.50000	0.98376 d
5.9176	23.56940	70.00752	100.50000	0.89156 d
6.4107	23.59510	70.49998	100.50000	0.79872 d
6.9038	23.62080	70.99244	100.50000	0.70433 d
7.3970	23.64650	71.48490	100.50000	0.60736 d
7.8901	23.67220	71.97736	100.50000	0.50661 d
8.3832	23.69790	72.46982	100.50000	0.40075 d
8.8763	23.72360	72.96228	100.50000	0.29413 d
9.3695	23.74930	73.45474	100.50000	0.21122 d
9.8626	23.77500	73.94720	100.50000	0.12775 d
10.356	23.80070	74.43966	100.50000	0.043753 d
10.849	23.82640	74.93212	100.50000	0.030377 d
11.342	23.85210	75.42458	100.50000	0.028062 d
11.835	23.87780	75.91704	100.50000	0.025859 d
12.328	23.90350	76.40950	100.50000	0.023763 d
12.821	23.92920	76.90196	100.50000	0.021770 d
13.315	23.95490	77.39442	100.50000	0.019877 d
13.808	23.98060	77.88688	100.50000	0.018079 d
14.301	24.00630	78.37934	100.50000	0.016373 d
14.794	24.03200	78.87180	100.50000	0.014754 d
15.287	24.05770	79.36426	100.50000	0.013220 d
15.780	24.08340	79.85672	100.50000	0.011765 d
16.273	24.10910	80.34918	100.50000	0.010388 d
16.766	24.13480	80.84164	100.50000	0.0090844 d
17.260	24.16050	81.33410	100.50000	0.0078510 d
17.753	24.18620	81.82656	100.50000	0.0066847 d
18.246	24.21190	82.31902	100.50000	0.0055827 d
18.739	24.23760	82.81148	100.50000	0.0045419 d
19.232	24.26330	83.30394	100.50000	0.0035594 d
19.725	24.28900	83.79640	100.50000	0.0026327 d
20.218	24.31470	84.28886	100.50000	0.0017591 d
20.711	24.34040	84.78132	100.50000	936.00E-6 d
21.205	24.36610	85.27378	100.50000	161.10E-6 d
21.698	24.39180	85.76624	100.50000	-567.94E-6 d
22.191	24.41750	86.25870	100.50000	-0.0012533 d
22.684	24.44320	86.75116	100.50000	-0.0018972 d
23.177	24.46890	87.24362	100.50000	-0.0025016 d
23.670	24.49460	87.73608	100.50000	-0.0030685 d
24.163	24.52030	88.22854	100.50000	-0.0035996 d
24.657	24.54600	88.72100	100.50000	-0.0040969 d

d - Displacements include imported displacements.

Structure: GVA-10 | Sub-structure: GVA-10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.54600	88.72100	100.50000	-0.0040969 d
0.47859	24.06806	88.74606	100.50000	-0.0043612 d
0.95719	23.59013	88.77112	100.50000	-0.0046185 d
1.4358	23.11219	88.79619	100.50000	-0.0048686 d
1.9144	22.63425	88.82125	100.50000	-0.0051114 d
2.3930	22.15631	88.84631	100.50000	-0.0053468 d
2.8716	21.67837	88.87138	100.50000	-0.0055748 d
3.3502	21.20044	88.89644	100.50000	-0.0057954 d
3.8288	20.72250	88.92150	100.50000	-0.0060086 d
4.3073	20.24456	88.94656	100.50000	-0.0062142 d
4.7859	19.76662	88.97163	100.50000	-0.0064124 d
5.2645	19.28869	88.99669	100.50000	-0.0066032 d
5.7431	18.81075	89.02175	100.50000	-0.0067865 d
6.2217	18.33281	89.04681	100.50000	-0.0069624 d
6.7003	17.85488	89.07188	100.50000	-0.0071310 d
7.1789	17.37694	89.09694	100.50000	-0.0072923 d
7.6575	16.89900	89.12200	100.50000	-0.0074465 d
8.1361	16.42106	89.14706	100.50000	-0.0075935 d
8.6147	15.94313	89.17212	100.50000	-0.0077335 d
9.0933	15.46519	89.19719	100.50000	-0.0078665 d
9.5719	14.98725	89.22225	100.50000	-0.0079928 d
10.050	14.50931	89.24731	100.50000	-0.0081123 d
10.529	14.03138	89.27237	100.50000	-0.0082252 d
11.008	13.55344	89.29744	100.50000	-0.0083316 d
11.486	13.07550	89.32250	100.50000	-0.0084317 d
11.965	12.59756	89.34756	100.50000	-0.0085255 d
12.443	12.11963	89.37262	100.50000	-0.0086132 d
12.922	11.64169	89.39769	100.50000	-0.0086950 d
13.401	11.16375	89.42275	100.50000	-0.0087709 d
13.879	10.68581	89.44781	100.50000	-0.0088412 d
14.358	10.20788	89.47288	100.50000	-0.0089059 d
14.836	9.72994	89.49794	100.50000	-0.0089652 d
15.315	9.25200	89.52300	100.50000	-0.0090193 d

d - Displacements include imported displacements.

Structure: GE-1 | Sub-structure: GE-1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.56700	64.11000	100.50000	3.8207 d
0.49454	29.06094	64.13431	100.50000	3.9750 d
0.98907	29.55487	64.15863	100.50000	4.1250 d
1.4836	30.04881	64.18294	100.50000	4.2697 d
1.9781	30.54275	64.20725	100.50000	4.4083 d
2.4727	31.03669	64.23156	100.50000	4.5396 d
2.9672	31.53063	64.25588	100.50000	4.6629 d
3.4617	32.02456	64.28019	100.50000	4.7773 d
3.9563	32.51850	64.30450	100.50000	4.8818 d
4.4508	33.01244	64.32881	100.50000	4.9759 d
4.9454	33.50637	64.35312	100.50000	5.0588 d
5.4399	34.00031	64.37744	100.50000	5.1300 d
5.9344	34.49425	64.40175	100.50000	5.1890 d
6.4290	34.98819	64.42606	100.50000	5.2354 d
6.9235	35.48212	64.45037	100.50000	5.2688 d
7.4180	35.97606	64.47469	100.50000	5.2890 d
7.9126	36.47000	64.49900	100.50000	5.3018 d

d - Displacements include imported displacements.

Structure: GE-2 | Sub-structure: GE-2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.47000	64.49900	100.50000	5.3018 d
0.49291	36.44014	64.99100	100.50000	4.9778 d
0.98581	36.41029	65.48300	100.50000	4.6620 d
1.4787	36.38043	65.97500	100.50000	4.3556 d
1.9716	36.35057	66.46700	100.50000	4.0597 d
2.4645	36.32071	66.95900	100.50000	3.7752 d
2.9574	36.29086	67.45100	100.50000	3.5029 d
3.4503	36.26100	67.94300	100.50000	3.2432 d
3.9432	36.23114	68.43500	100.50000	2.9966 d
4.4361	36.20129	68.92700	100.50000	2.7632 d
4.9291	36.17143	69.41900	100.50000	2.5432 d
5.4220	36.14157	69.91100	100.50000	2.3363 d
5.9149	36.11171	70.40300	100.50000	2.1422 d
6.4078	36.08186	70.89500	100.50000	1.9604 d
6.9007	36.05200	71.38700	100.50000	1.7901 d
7.3936	36.02214	71.87900	100.50000	1.6306 d
7.8865	35.99229	72.37100	100.50000	1.4807 d
8.3794	35.96243	72.86300	100.50000	1.3391 d
8.8723	35.93257	73.35500	100.50000	1.2046 d
9.3652	35.90271	73.84700	100.50000	1.0753 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
9.8581	35.87286	74.33900	100.50000	0.94963 d
10.351	35.84300	74.83100	100.50000	0.82546 d
10.844	35.81314	75.32300	100.50000	0.70067 d
11.337	35.78329	75.81500	100.50000	0.57290 d
11.830	35.75343	76.30700	100.50000	0.43960 d
12.323	35.72357	76.79900	100.50000	0.30813 d
12.816	35.69371	77.29100	100.50000	0.20442 d
13.308	35.66386	77.78300	100.50000	0.10105 d
13.801	35.63400	78.27500	100.50000	0.050324 d

d - Displacements include imported displacements.

Structure: GE-3 | Sub-structure: GE-3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	35.63400	78.27500	100.50000	0.050324 d
0.47806	35.15681	78.24606	100.50000	0.049122 d
0.95613	34.67963	78.21713	100.50000	0.047897 d
1.4342	34.20244	78.18819	100.50000	0.046650 d
1.9123	33.72525	78.15925	100.50000	0.045385 d
2.3903	33.24806	78.13031	100.50000	0.044103 d
2.8684	32.77087	78.10138	100.50000	0.042807 d
3.3464	32.29369	78.07244	100.50000	0.041500 d
3.8245	31.81650	78.04350	100.50000	0.040185 d
4.3026	31.33931	78.01456	100.50000	0.038863 d
4.7806	30.86212	77.98562	100.50000	0.037537 d
5.2587	30.38494	77.95669	100.50000	0.036211 d
5.7368	29.90775	77.92775	100.50000	0.034885 d
6.2148	29.43056	77.89881	100.50000	0.033562 d
6.6929	28.95338	77.86987	100.50000	0.032244 d
7.1710	28.47619	77.84094	100.50000	0.030934 d
7.6490	27.99900	77.81200	100.50000	0.029633 d

d - Displacements include imported displacements.

Structure: GE-4 | Sub-structure: GE-4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.99900	77.81200	100.50000	0.029633 d
0.48978	28.01929	77.32264	100.50000	0.032397 d
0.97955	28.03957	76.83329	100.50000	0.035334 d
1.4693	28.05986	76.34393	100.50000	0.073982 d
1.9591	28.08014	75.85457	100.50000	0.17048 d
2.4489	28.10043	75.36521	100.50000	0.26698 d
2.9387	28.12071	74.87586	100.50000	0.38143 d
3.4284	28.14100	74.38650	100.50000	0.50726 d
3.9182	28.16129	73.89714	100.50000	0.62701 d
4.4080	28.18157	73.40779	100.50000	0.74285 d
4.8978	28.20186	72.91843	100.50000	0.85676 d
5.3876	28.22214	72.42907	100.50000	0.97053 d
5.8773	28.24243	71.93971	100.50000	1.0858 d
6.3671	28.26271	71.45036	100.50000	1.2041 d
6.8569	28.28300	70.96100	100.50000	1.3266 d
7.3467	28.30329	70.47164	100.50000	1.4545 d
7.8364	28.32357	69.98229	100.50000	1.5887 d
8.3262	28.34386	69.49293	100.50000	1.7300 d
8.8160	28.36414	69.00357	100.50000	1.8791 d
9.3058	28.38443	68.51421	100.50000	2.0364 d
9.7955	28.40471	68.02486	100.50000	2.2022 d
10.285	28.42500	67.53550	100.50000	2.3767 d
10.775	28.44529	67.04614	100.50000	2.5598 d
11.265	28.46557	66.55679	100.50000	2.7513 d
11.755	28.48586	66.06743	100.50000	2.9511 d
12.244	28.50614	65.57807	100.50000	3.1585 d
12.734	28.52643	65.08871	100.50000	3.3731 d
13.224	28.54671	64.59936	100.50000	3.5941 d
13.714	28.56700	64.11000	100.50000	3.8207 d

d - Displacements include imported displacements.

Structure: DH-1 | Sub-structure: DH-1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	44.60300	87.23400	100.50000	0.010677 d
0.48563	44.63204	86.74924	100.50000	0.012372 d
0.97126	44.66109	86.26448	100.50000	0.014190 d
1.4569	44.69013	85.77972	100.50000	0.016141 d
1.9425	44.71917	85.29496	100.50000	0.018235 d
2.4282	44.74822	84.81020	100.50000	0.020480 d
2.9138	44.77726	84.32543	100.50000	0.022888 d
3.3994	44.80630	83.84067	100.50000	0.025470 d
3.8850	44.83535	83.35591	100.50000	0.028239 d
4.3707	44.86439	82.87115	100.50000	0.031208 d
4.8563	44.89343	82.38639	100.50000	0.034391 d
5.3419	44.92248	81.90163	100.50000	0.037804 d
5.8276	44.95152	81.41687	100.50000	0.041464 d
6.3132	44.98057	80.93211	100.50000	0.045387 d
6.7988	45.00961	80.44735	100.50000	0.049594 d
7.2845	45.03865	79.96259	100.50000	0.054105 d
7.7701	45.06770	79.47783	100.50000	0.058943 d
8.2557	45.09674	78.99307	100.50000	0.064131 d
8.7413	45.12578	78.50830	100.50000	0.069695 d
9.2270	45.15483	78.02354	100.50000	0.16274 d
9.7126	45.18387	77.53878	100.50000	0.26626 d
10.198	45.21291	77.05402	100.50000	0.37578 d
10.684	45.24196	76.56926	100.50000	0.51366 d
11.169	45.27100	76.08450	100.50000	0.64468 d
11.655	45.30004	75.59974	100.50000	0.77139 d
12.141	45.32909	75.11498	100.50000	0.89618 d
12.626	45.35813	74.63022	100.50000	1.0213 d
13.112	45.38717	74.14546	100.50000	1.1487 d
13.598	45.41622	73.66070	100.50000	1.2803 d
14.083	45.44526	73.17593	100.50000	1.4178 d
14.569	45.47430	72.69117	100.50000	1.5628 d
15.055	45.50335	72.20641	100.50000	1.7164 d
15.540	45.53239	71.72165	100.50000	1.8801 d
16.026	45.56143	71.23689	100.50000	2.0547 d
16.511	45.59048	70.75213	100.50000	2.2411 d
16.997	45.61952	70.26737	100.50000	2.4399 d
17.483	45.64857	69.78261	100.50000	2.6517 d
17.968	45.67761	69.29785	100.50000	2.8769 d
18.454	45.70665	68.81309	100.50000	3.1155 d
18.940	45.73570	68.32833	100.50000	3.3676 d
19.425	45.76474	67.84357	100.50000	3.6330 d
19.911	45.79378	67.35880	100.50000	3.9115 d
20.396	45.82283	66.87404	100.50000	4.2025 d
20.882	45.85187	66.38928	100.50000	4.5054 d
21.368	45.88091	65.90452	100.50000	4.8195 d
21.853	45.90996	65.41976	100.50000	5.1438 d
22.339	45.93900	64.93500	100.50000	5.4772 d

d - Displacements include imported displacements.

Structure: DH-2 | Sub-structure: DH-2

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

Vertical Offset 1

0.0	45.93900	64.93500	100.50000	5.4772	d
0.49257	46.43032	64.97005	100.50000	5.4713	d
0.98513	46.92163	65.00510	100.50000	5.4648	d
1.4777	47.41295	65.04014	100.50000	5.4576	d
1.9703	47.90427	65.07519	100.50000	5.4497	d
2.4628	48.39559	65.11024	100.50000	5.4411	d
2.9554	48.88690	65.14529	100.50000	5.4320	d
3.4480	49.37822	65.18034	100.50000	5.4221	d
3.9405	49.86954	65.21538	100.50000	5.4116	d
4.4331	50.36086	65.25043	100.50000	5.4006	d
4.9257	50.85217	65.28548	100.50000	5.3889	d
5.4182	51.34349	65.32053	100.50000	5.3766	d
5.9108	51.83481	65.35558	100.50000	5.3637	d
6.4034	52.32612	65.39063	100.50000	5.3503	d
6.8959	52.81744	65.42567	100.50000	5.3363	d
7.3885	53.30876	65.46072	100.50000	5.3217	d
7.8811	53.80008	65.49577	100.50000	5.3067	d
8.3736	54.29139	65.53082	100.50000	5.2911	d
8.8662	54.78271	65.56587	100.50000	5.2714	d
9.3588	55.27403	65.60091	100.50000	5.2389	d
9.8513	55.76535	65.63596	100.50000	5.1936	d
10.344	56.25666	65.67101	100.50000	5.1358	d
10.836	56.74798	65.70606	100.50000	5.0727	d
11.329	57.23930	65.74111	100.50000	5.0095	d
11.822	57.73062	65.77615	100.50000	4.9462	d
12.314	58.22193	65.81120	100.50000	4.8827	d
12.807	58.71325	65.84625	100.50000	4.8192	d
13.299	59.20457	65.88130	100.50000	4.7557	d
13.792	59.69588	65.91635	100.50000	4.6923	d
14.284	60.18720	65.95139	100.50000	4.6289	d
14.777	60.67852	65.98644	100.50000	4.5656	d
15.270	61.16984	66.02149	100.50000	4.5025	d
15.762	61.66115	66.05654	100.50000	4.4396	d
16.255	62.15247	66.09159	100.50000	4.3769	d
16.747	62.64379	66.12663	100.50000	4.3146	d
17.240	63.13511	66.16168	100.50000	4.2526	d
17.732	63.62642	66.19673	100.50000	4.1910	d
18.225	64.11774	66.23178	100.50000	4.1298	d
18.718	64.60906	66.26683	100.50000	4.0642	d
19.210	65.10038	66.30187	100.50000	3.9896	d
19.703	65.59169	66.33692	100.50000	3.9066	d
20.195	66.08301	66.37197	100.50000	3.8158	d
20.688	66.57433	66.40702	100.50000	3.7178	d
21.180	67.06564	66.44207	100.50000	3.6133	d
21.673	67.55696	66.47712	100.50000	3.5030	d
22.165	68.04828	66.51216	100.50000	3.3877	d
22.658	68.53960	66.54721	100.50000	3.2681	d
23.151	69.03091	66.58226	100.50000	3.1450	d
23.643	69.52223	66.61731	100.50000	3.0192	d
24.136	70.01355	66.65236	100.50000	2.8915	d
24.628	70.50487	66.68740	100.50000	2.7627	d
25.121	70.99618	66.72245	100.50000	2.6333	d
25.613	71.48750	66.75750	100.50000	2.5042	d
26.106	71.97882	66.79255	100.50000	2.3760	d
26.599	72.47013	66.82760	100.50000	2.2492	d
27.091	72.96145	66.86264	100.50000	2.1244	d
27.584	73.45277	66.89769	100.50000	2.0019	d
28.076	73.94409	66.93274	100.50000	1.8822	d
28.569	74.43540	66.96779	100.50000	1.7654	d
29.061	74.92672	67.00284	100.50000	1.6517	d
29.554	75.41804	67.03788	100.50000	1.5413	d
30.047	75.90936	67.07293	100.50000	1.4338	d
30.539	76.40067	67.10798	100.50000	1.3294	d
31.032	76.89199	67.14303	100.50000	1.2275	d
31.524	77.38331	67.17808	100.50000	1.1278	d
32.017	77.87463	67.21313	100.50000	1.0296	d
32.509	78.36594	67.24817	100.50000	0.93241	d
33.002	78.85726	67.28322	100.50000	0.83521	d
33.494	79.34858	67.31827	100.50000	0.73706	d
33.987	79.83989	67.35332	100.50000	0.63681	d
34.480	80.33121	67.38837	100.50000	0.53316	d
34.972	80.82253	67.42341	100.50000	0.42466	d
35.465	81.31385	67.45846	100.50000	0.30874	d
35.957	81.80516	67.49351	100.50000	0.22302	d
36.450	82.29648	67.52856	100.50000	0.13688	d
36.942	82.78780	67.56361	100.50000	0.050328	d
37.435	83.27912	67.59865	100.50000	0.027893	d
37.928	83.77043	67.63370	100.50000	0.025508	d
38.420	84.26175	67.66875	100.50000	0.023255	d
38.913	84.75307	67.70380	100.50000	0.021129	d
39.405	85.24438	67.73885	100.50000	0.019123	d
39.898	85.73570	67.77389	100.50000	0.017231	d
40.390	86.22702	67.80894	100.50000	0.015448	d
40.883	86.71834	67.84399	100.50000	0.013767	d
41.376	87.20965	67.87904	100.50000	0.012184	d
41.868	87.70097	67.91409	100.50000	0.010693	d
42.361	88.19229	67.94913	100.50000	0.0092909	d
42.853	88.68361	67.98418	100.50000	0.0079718	d
43.346	89.17492	68.01923	100.50000	0.0067317	d
43.838	89.66624	68.05428	100.50000	0.0055665	d
44.331	90.15756	68.08933	100.50000	0.0044722	d
44.823	90.64888	68.12438	100.50000	0.0034451	d
45.316	91.14019	68.15942	100.50000	0.0024816	d
45.809	91.63151	68.19447	100.50000	0.0015783	d
46.301	92.12283	68.22952	100.50000	732.03E-6	d
46.794	92.61414	68.26457	100.50000	-60.368E-6	d
47.286	93.10546	68.29962	100.50000	-801.79E-6	d
47.779	93.59678	68.33466	100.50000	-0.0014950	d
48.271	94.08810	68.36971	100.50000	-0.0021426	d
48.764	94.57941	68.40476	100.50000	-0.0027472	d
49.257	95.07073	68.43981	100.50000	-0.0033111	d
49.749	95.56205	68.47486	100.50000	-0.0038365	d
50.242	96.05337	68.50990	100.50000	-0.0043255	d
50.734	96.54468	68.54495	100.50000	-0.0047803	d
51.227	97.03600	68.58000	100.50000	-0.0052027	d

d - Displacements include imported displacements.

Structure: DH-3 | Sub-structure: DH-3

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

Vertical Offset 1

0.0	97.03600	68.58000	100.50000	-0.0052027	d
0.48909	96.99859	69.06765	100.50000	-0.0053821	d
0.97817	96.96117	69.55530	100.50000	-0.0055590	d
1.4673	96.92376	70.04296	100.50000	-0.0057330	d
1.9563	96.88635	70.53061	100.50000	-0.0059039	d
2.4454	96.84893	71.01826	100.50000	-0.0060717	d
2.9345	96.81152	71.50591	100.50000	-0.0062360	d
3.4236	96.77411	71.99357	100.50000	-0.0063967	d
3.9127	96.73670	72.48122	100.50000	-0.0065537	d
4.4018	96.69928	72.96887	100.50000	-0.0067068	d
4.8909	96.66187	73.45652	100.50000	-0.0068558	d
5.3799	96.62446	73.94417	100.50000	-0.0070008	d
5.8690	96.58704	74.43183	100.50000	-0.0071415	d
6.3581	96.54963	74.91948	100.50000	-0.0072778	d
6.8472	96.51222	75.40713	100.50000	-0.0074098	d
7.3363	96.47480	75.89478	100.50000	-0.0075373	d
7.8254	96.43739	76.38243	100.50000	-0.0076603	d
8.3144	96.39998	76.87009	100.50000	-0.0077787	d
8.8035	96.36257	77.35774	100.50000	-0.0078925	d
9.2926	96.32515	77.84539	100.50000	-0.0080017	d
9.7817	96.28774	78.33304	100.50000	-0.0081062	d
10.271	96.25033	78.82070	100.50000	-0.0082061	d
10.760	96.21291	79.30835	100.50000	-0.0083013	d
11.249	96.17550	79.79600	100.50000	-0.0083919	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
11.738	96.13809	80.28365	100.50000	-0.0084779 d
12.227	96.10067	80.77130	100.50000	-0.0085594 d
12.716	96.06326	81.25896	100.50000	-0.0086362 d
13.205	96.02585	81.74661	100.50000	-0.0087086 d
13.694	95.98843	82.23426	100.50000	-0.0087765 d
14.183	95.95102	82.72191	100.50000	-0.0088400 d
14.673	95.91361	83.20957	100.50000	-0.0088991 d
15.162	95.87620	83.69722	100.50000	-0.0089540 d
15.651	95.83878	84.18487	100.50000	-0.0090046 d
16.140	95.80137	84.67252	100.50000	-0.0090511 d
16.629	95.76396	85.16017	100.50000	-0.0090935 d
17.118	95.72654	85.64783	100.50000	-0.0091319 d
17.607	95.68913	86.13548	100.50000	-0.0091664 d
18.096	95.65172	86.62313	100.50000	-0.0091971 d
18.585	95.61430	87.11078	100.50000	-0.0092240 d
19.074	95.57689	87.59843	100.50000	-0.0092472 d
19.563	95.53948	88.08609	100.50000	-0.0092669 d
20.052	95.50207	88.57374	100.50000	-0.0092831 d
20.542	95.46465	89.06139	100.50000	-0.0092959 d
21.031	95.42724	89.54904	100.50000	-0.0093053 d
21.520	95.38983	90.03670	100.50000	-0.0093116 d
22.009	95.35241	90.52435	100.50000	-0.0093147 d
22.498	95.31500	91.01200	100.50000	-0.0093149 d

d - Displacements include imported displacements.

Structure: DH-4 | Sub-structure: DH-4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	95.31500	91.01200	100.50000	-0.0093149 d
0.47118	94.84520	90.97595	100.50000	-0.0093185 d
0.94236	94.37540	90.93990	100.50000	-0.0093189 d
1.4135	93.90560	90.90385	100.50000	-0.0093160 d
1.8847	93.43580	90.86780	100.50000	-0.0093096 d
2.3559	92.96600	90.83175	100.50000	-0.0092996 d
2.8271	92.49620	90.79570	100.50000	-0.0092859 d
3.2983	92.02640	90.75965	100.50000	-0.0092684 d
3.7694	91.55660	90.72360	100.50000	-0.0092468 d
4.2406	91.08680	90.68755	100.50000	-0.0092211 d
4.7118	90.61700	90.65150	100.50000	-0.0091912 d
5.1830	90.14720	90.61545	100.50000	-0.0091569 d
5.6542	89.67740	90.57940	100.50000	-0.0091180 d
6.1254	89.20760	90.54335	100.50000	-0.0090745 d
6.5965	88.73780	90.50730	100.50000	-0.0090262 d
7.0677	88.26800	90.47125	100.50000	-0.0089729 d
7.5389	87.79820	90.43520	100.50000	-0.0089146 d
8.0101	87.32840	90.39915	100.50000	-0.0088510 d
8.4813	86.85860	90.36310	100.50000	-0.0087821 d
8.9524	86.38880	90.32705	100.50000	-0.0087077 d
9.4236	85.91900	90.29100	100.50000	-0.0086277 d

d - Displacements include imported displacements.

Structure: DH-5 | Sub-structure: DH-5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	85.91900	90.29100	100.50000	-0.0086277 d
0.48006	85.95573	89.81235	100.50000	-0.0085206 d
0.96012	85.99246	89.33369	100.50000	-0.0084046 d
1.4402	86.02919	88.85504	100.50000	-0.0082795 d
1.9202	86.06592	88.37638	100.50000	-0.0081450 d
2.4003	86.10265	87.89773	100.50000	-0.0080006 d
2.8804	86.13938	87.41908	100.50000	-0.0078461 d
3.3604	86.17612	86.94042	100.50000	-0.0076811 d
3.8405	86.21285	86.46177	100.50000	-0.0075052 d
4.3205	86.24958	85.98312	100.50000	-0.0073181 d
4.8006	86.28631	85.50446	100.50000	-0.0071194 d
5.2807	86.32304	85.02581	100.50000	-0.0069088 d
5.7607	86.35977	84.54715	100.50000	-0.0066858 d
6.2408	86.39650	84.06850	100.50000	-0.0064501 d
6.7209	86.43323	83.58985	100.50000	-0.0062014 d
7.2009	86.46996	83.11119	100.50000	-0.0059393 d
7.6810	86.50669	82.63254	100.50000	-0.0056634 d
8.1610	86.54342	82.15388	100.50000	-0.0053733 d
8.6411	86.58015	81.67523	100.50000	-0.0050688 d
9.1212	86.61688	81.19658	100.50000	-0.0047493 d
9.6012	86.65362	80.71792	100.50000	-0.0044147 d
10.081	86.69035	80.23927	100.50000	-0.0040645 d
10.561	86.72708	79.76062	100.50000	-0.0036985 d
11.041	86.76381	79.28196	100.50000	-0.0033163 d
11.521	86.80054	78.80331	100.50000	-0.0029177 d
12.002	86.83727	78.32465	100.50000	-0.0025022 d
12.482	86.87400	77.84600	100.50000	-0.0020698 d

d - Displacements include imported displacements.

Structure: DH-6 | Sub-structure: DH-6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	86.87400	77.84600	100.50000	-0.0020698 d
0.49556	86.37989	77.80809	100.50000	-0.0015094 d
0.99112	85.88579	77.77018	100.50000	-917.53E-6 d
1.4867	85.39168	77.73227	100.50000	-293.17E-6 d
1.9822	84.89758	77.69436	100.50000	364.91E-6 d
2.4778	84.40347	77.65645	100.50000	0.0010579 d
2.9733	83.90936	77.61855	100.50000	0.0017871 d
3.4689	83.41526	77.58064	100.50000	0.0025536 d
3.9645	82.92115	77.54273	100.50000	0.0033587 d
4.4600	82.42705	77.50482	100.50000	0.0042037 d
4.9556	81.93294	77.46691	100.50000	0.0050897 d
5.4511	81.43883	77.42900	100.50000	0.0060180 d
5.9467	80.94473	77.39109	100.50000	0.0069898 d
6.4423	80.45062	77.35318	100.50000	0.0080063 d
6.9378	79.95652	77.31527	100.50000	0.0090686 d
7.4334	79.46241	77.27736	100.50000	0.010178 d
7.9289	78.96830	77.23945	100.50000	0.011335 d
8.4245	78.47420	77.20155	100.50000	0.012542 d
8.9200	77.98009	77.16364	100.50000	0.013798 d
9.4156	77.48598	77.12573	100.50000	0.015106 d
9.9112	76.99188	77.08782	100.50000	0.016465 d
10.407	76.49777	77.04991	100.50000	0.017878 d
10.902	76.00367	77.01200	100.50000	0.019343 d
11.398	75.50956	76.97409	100.50000	0.020863 d
11.893	75.01545	76.93618	100.50000	0.022437 d
12.389	74.52135	76.89827	100.50000	0.024065 d
12.885	74.02724	76.86036	100.50000	0.025749 d
13.380	73.53314	76.82245	100.50000	0.027488 d
13.876	73.03903	76.78455	100.50000	0.029282 d
14.371	72.54492	76.74664	100.50000	0.031131 d
14.867	72.05082	76.70873	100.50000	0.033034 d
15.362	71.55671	76.67082	100.50000	0.034991 d
15.858	71.06261	76.63291	100.50000	0.037001 d
16.353	70.56850	76.59500	100.50000	0.068145 d
16.849	70.07439	76.55709	100.50000	0.10823 d
17.345	69.58029	76.51918	100.50000	0.14663 d
17.840	69.08618	76.48127	100.50000	0.18331 d
18.336	68.59208	76.44336	100.50000	0.21823 d
18.831	68.09797	76.40545	100.50000	0.25136 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
19.327	67.60386	76.36755	100.50000	0.28264 d
19.822	67.10976	76.32964	100.50000	0.31205 d
20.318	66.61565	76.29173	100.50000	0.34547 d
20.813	66.12155	76.25382	100.50000	0.37975 d
21.309	65.62744	76.21591	100.50000	0.41082 d
21.805	65.13333	76.17800	100.50000	0.43884 d
22.300	64.63923	76.14009	100.50000	0.46563 d
22.796	64.14512	76.10218	100.50000	0.49216 d
23.291	63.65102	76.06427	100.50000	0.51845 d
23.787	63.15691	76.02636	100.50000	0.54449 d
24.282	62.66280	75.98845	100.50000	0.57032 d
24.778	62.16870	75.95055	100.50000	0.59594 d
25.273	61.67459	75.91264	100.50000	0.62136 d
25.769	61.18048	75.87473	100.50000	0.64659 d
26.265	60.68638	75.83682	100.50000	0.67165 d
26.760	60.19227	75.79891	100.50000	0.69654 d
27.256	59.69817	75.76100	100.50000	0.72128 d
27.751	59.20406	75.72309	100.50000	0.74588 d
28.247	58.70995	75.68518	100.50000	0.77034 d
28.742	58.21585	75.64727	100.50000	0.79468 d
29.238	57.72174	75.60936	100.50000	0.81890 d
29.733	57.22764	75.57145	100.50000	0.84299 d
30.229	56.73353	75.53355	100.50000	0.86528 d
30.725	56.23942	75.49564	100.50000	0.88485 d
31.220	55.74532	75.45773	100.50000	0.90167 d
31.716	55.25121	75.41982	100.50000	0.91573 d
32.211	54.75711	75.38191	100.50000	0.92699 d
32.707	54.26300	75.34400	100.50000	0.93544 d

d - Displacements include imported displacements.

Structure: DH-7 | Sub-structure: DH-7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	54.26300	75.34400	100.50000	0.93544 d
0.48103	54.22619	75.82362	100.50000	0.81282 d
0.96205	54.18938	76.30323	100.50000	0.68913 d
1.4431	54.15258	76.78285	100.50000	0.56213 d
1.9241	54.11577	77.26246	100.50000	0.42941 d
2.4051	54.07896	77.74208	100.50000	0.30594 d
2.8862	54.04215	78.22169	100.50000	0.20375 d
3.3672	54.00535	78.70131	100.50000	0.10195 d
3.8482	53.96854	79.18092	100.50000	0.062273 d
4.3292	53.93173	79.66054	100.50000	0.057329 d
4.8103	53.89492	80.14015	100.50000	0.052709 d
5.2913	53.85812	80.61977	100.50000	0.048393 d
5.7723	53.82131	81.09938	100.50000	0.044360 d
6.2533	53.78450	81.57900	100.50000	0.040591 d
6.7344	53.74769	82.05862	100.50000	0.037070 d
7.2154	53.71088	82.53823	100.50000	0.033779 d
7.6964	53.67408	83.01785	100.50000	0.030705 d
8.1774	53.63727	83.49746	100.50000	0.027832 d
8.6585	53.60046	83.97708	100.50000	0.025148 d
9.1395	53.56365	84.45669	100.50000	0.022641 d
9.6205	53.52685	84.93631	100.50000	0.020299 d
10.102	53.49004	85.41592	100.50000	0.018111 d
10.583	53.45323	85.89554	100.50000	0.016068 d
11.064	53.41642	86.37515	100.50000	0.014161 d
11.545	53.37962	86.85477	100.50000	0.012380 d
12.026	53.34281	87.33438	100.50000	0.010718 d
12.507	53.30600	87.81400	100.50000	0.0091672 d

d - Displacements include imported displacements.

Structure: DH-8 | Sub-structure: DH-8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	53.30600	87.81400	100.50000	0.0091672 d
0.48457	52.82250	87.78178	100.50000	0.0093737 d
0.96915	52.33900	87.74956	100.50000	0.0095674 d
1.4537	51.85550	87.71733	100.50000	0.0097480 d
1.9383	51.37200	87.68511	100.50000	0.0099150 d
2.4229	50.88850	87.65289	100.50000	0.010068 d
2.9074	50.40500	87.62067	100.50000	0.010207 d
3.3920	49.92150	87.58844	100.50000	0.010331 d
3.8766	49.43800	87.55622	100.50000	0.010440 d
4.3612	48.95450	87.52400	100.50000	0.010535 d
4.8457	48.47100	87.49178	100.50000	0.010613 d
5.3303	47.98750	87.45956	100.50000	0.010677 d
5.8149	47.50400	87.42733	100.50000	0.010724 d
6.2994	47.02050	87.39511	100.50000	0.010756 d
6.7840	46.53700	87.36289	100.50000	0.010772 d
7.2686	46.05350	87.33067	100.50000	0.010772 d
7.7532	45.57000	87.29844	100.50000	0.010757 d
8.2377	45.08650	87.26622	100.50000	0.010725 d
8.7223	44.60300	87.23400	100.50000	0.010677 d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: GVA-1 | Sub-structure: GVA-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-2 | Sub-structure: GVA-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-3 | Sub-structure: GVA-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-4 | Sub-structure: GVA-4

Vertical Offset	Segment	Start Length	Curvature	Deflection	Average	Max	Max Gradient	Max Gradient	Min	Damage

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	3.4190	1.4969	Hogging	0.0010751	0.0096504	0.0097534	-236.66E-6	-248.36E-6	13386.	0 (Negligible)
	2	4.9159	1.7880	Sagging	259.73E-6	0.022474	0.022533	-231.96E-6	-235.55E-6	55095.	0 (Negligible)
	3	6.7039	1.1101	Hogging	89.450E-6	0.020841	0.020847	-216.22E-6	-223.71E-6	118520.	0 (Negligible)

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

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.9540	Sagging	222.67E-6	2.4216E-6	210.61E-6	-20.931E-6	-125.26E-6	130750.	0 (Negligible)

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

Structure: GVA-7 | Sub-structure: GVA-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.7150	Hogging	0.0017163	0.031587	0.032385	-351.78E-6	-399.82E-6	25893.	0 (Negligible)

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

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.1540	Sagging	137.56E-6	-0.0015087	311.46E-6	46.203E-6	222.83E-6	114350.	0 (Negligible)
	2	2.1540	0.80100	Hogging	18.437E-6	0.0037100	0.0037119	-43.918E-6	222.83E-6	470290.	0 (Negligible)

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

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.4832	Hogging	504.00E-6	0.010065	0.010240	-141.42E-6	220.32E-6	119190.	0 (Negligible)
	2	5.4832	2.6355	Sagging	351.71E-6	0.016057	0.016174	-181.61E-6	214.64E-6	63804.	0 (Negligible)
	3	8.1188	1.7438	Hogging	0.0011527	0.0062809	0.0064528	-181.61E-6	216.17E-6	14093.	0 (Negligible)

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

Structure: GVA-10 | Sub-structure: GVA-10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	7.9120	Sagging	0.0040686	-0.022718	0.0048311	348.34E-6	-311.92E-6	18969.	0 (Negligible)

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

Structure: GE-2 | Sub-structure: GE-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	10.198	Hogging	0.0060108	0.051280	0.057911	-592.35E-6	656.94E-6	18361.	1 (Very Slight)
	2	10.198	1.2969	Sagging	225.73E-6	0.037493	0.037567	-374.79E-6	270.34E-6	79597.	0 (Negligible)
	3	11.495	1.8134	Hogging	0.0014352	0.013325	0.013657	-374.79E-6	270.34E-6	6136.7	0 (Negligible)

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

Structure: GE-3 | Sub-structure: GE-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max 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.

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	1.9591	1.4108	Hogging	0.0010721	0.012203	0.012396	-279.83E-6	-256.84E-6	12659.	0 (Negligible)
	2	3.3699	1.5791	Sagging	257.32E-6	0.027167	0.027270	-279.83E-6	-256.84E-6	61129.	0 (Negligible)
	3	4.9490	8.7640	Hogging	0.0034163	0.026650	0.030027	-335.89E-6	-462.56E-6	27872.	0 (Negligible)

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

Structure: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	1.9591	1.4108	Hogging	0.0010721	0.012203	0.012396	-279.83E-6	-256.84E-6	12659.	0 (Negligible)
	2	3.3699	1.5791	Sagging	257.32E-6	0.027167	0.027270	-279.83E-6	-256.84E-6	61129.	0 (Negligible)
	3	4.9490	8.7640	Hogging	0.0034163	0.026650	0.030027	-335.89E-6	-462.56E-6	27872.	0 (Negligible)

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

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	9.2270	1.6375	Hogging	0.0014519	0.015406	0.015519	-374.80E-6	-283.81E-6	8244.3	0 (Negligible)
	2	10.864	1.2212	Sagging	200.53E-6	0.037494	0.037515	-374.80E-6	-269.68E-6	54502.	0 (Negligible)
	3	12.086	10.252	Hogging	0.0063235	0.051223	0.053937	-592.50E-6	-686.15E-6	17557.	1 (Very Slight)

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

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	12.935	Sagging	0.0019813	-0.0064667	0.0016696	499.83E-6	128.92E-6	19352.	0 (Negligible)
	2	12.935	4.4640	Hogging	47.354E-6	0.0018876	0.0018966	-19.003E-6	128.92E-6	639120.	0 (Negligible)
	3	17.399	7.5603	Sagging	0.0021477	-0.0070585	0.0018839	182.34E-6	262.53E-6	28950.	0 (Negligible)
	4	24.959	7.5512	Hogging	0.0010184	0.012039	0.012364	-164.43E-6	262.53E-6	77462.	0 (Negligible)
	5	32.510	2.2951	Sagging	326.90E-6	0.017679	0.017743	-190.34E-6	220.22E-6	47518.	0 (Negligible)
	6	34.805	1.6444	Hogging	0.0013627	0.0070724	0.0072856	-190.34E-6	235.30E-6	15435.	0 (Negligible)

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

Structure: DH-3 | Sub-structure: DH-3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-4 | Sub-structure: DH-4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-5 | Sub-structure: DH-5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	16.849	0.17807	Sagging	0.0	0.0	0.0	0.0	-80.883E-6	254540.	0 (Negligible)
	2	17.027	2.3911	Sagging	223.10E-6	0.0	222.12E-6	0.0	-77.494E-6	133710.	0 (Negligible)
	3	19.418	1.0125	Hogging	200.20E-6	293.53E-6	383.99E-6	-17.971E-6	-69.175E-6	141170.	0 (Negligible)
	4	20.431	12.275	Sagging	395.28E-6	266.84E-6	637.40E-6	35.974E-6	-69.175E-6	87133.	0 (Negligible)

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

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.5103	Sagging	218.14E-6	0.037383	0.037411	-373.87E-6	275.79E-6	69202.	0 (Negligible)
	2	1.5103	1.8569	Hogging	0.0013276	0.012646	0.012761	-373.87E-6	275.79E-6	5807.5	0 (Negligible)

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

Structure: DH-8 | Sub-structure: DH-8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max 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.

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

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

Structure: GVA-1 | Sub-structure: GVA-1

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

Structure: GVA-2 | Sub-structure: GVA-2

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

Structure: GVA-3 | Sub-structure: GVA-3

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

Structure: GVA-4 | Sub-structure: GVA-4

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

Structure: GVA-5 | Sub-structure: GVA-5

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0010751	0.022474	-248.36E-6	1.1278	0.022533	-236.66E-6	-248.36E-6	13386.	55095.	0 (Negligible)

Structure: GVA-6 | Sub-structure: GVA-6

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	222.67E-6	2.4216E-6	-125.26E-6	1.4773	210.61E-6	-20.931E-6	-125.26E-6	-	130750.	0 (Negligible)

Structure: GVA-7 | Sub-structure: GVA-7

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0017163	0.031587	-399.82E-6	2.7354	0.032385	-351.78E-6	-399.82E-6	25893.	-	0 (Negligible)

Structure: GVA-8 | Sub-structure: GVA-8

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	137.56E-6	0.0037100	222.83E-6	2.7358	0.0037119	46.203E-6	222.83E-6	470290.	114350.	0 (Negligible)

Structure: GVA-9 | Sub-structure: GVA-9

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0011527	0.016057	220.32E-6	2.0850	0.016174	-181.61E-6	220.32E-6	14093.	63804.	0 (Negligible)

Structure: GVA-10 | Sub-structure: GVA-10

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

Structure: GE-1 | Sub-structure: GE-1

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Calculations										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0040686	-0.022718	-311.92E-6	5.3018	0.0048311	348.34E-6	-311.92E-6	-	18969.	0 (Negligible)

Structure: GE-2 | Sub-structure: GE-2

Vertical	Deflection	Average	Max Slope	Max	Max	Max Gradient	Max Gradient	Min	Min	Damage Category

Offset from Vertical Movement Calculations	Ratio	Horizontal Strain	Settlement	Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	
[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	0.0060108	0.051280	656.94E-6	5.3018	0.057911	-592.35E-6	656.94E-6	6136.7	79597. 1 (Very Slight)

Structure: GE-3 | Sub-structure: GE-3

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

Structure: GE-4 | Sub-structure: GE-4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0034163	0.027167	-462.56E-6	3.8204	0.030027	-335.89E-6	-462.56E-6	12659.	61129. 0 (Negligible)	

Structure: DH-1 | Sub-structure: DH-1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0063235	0.051223	-686.15E-6	5.4765	0.053937	-592.50E-6	-686.15E-6	8244.3	54502. 1 (Very Slight)	

Structure: DH-2 | Sub-structure: DH-2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0021477	0.017679	262.53E-6	5.4772	0.017743	499.83E-6	262.53E-6	15435.	19352. 0 (Negligible)	

Structure: DH-3 | Sub-structure: DH-3

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

Structure: DH-4 | Sub-structure: DH-4

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

Structure: DH-5 | Sub-structure: DH-5

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

Structure: DH-6 | Sub-structure: DH-6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	395.28E-6	293.53E-6	-80.883E-6	0.93543	637.40E-6	35.974E-6	-80.883E-6	141170.	87133. 0 (Negligible)	

Structure: DH-7 | Sub-structure: DH-7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0013276	0.037383	275.79E-6	0.93544	0.037411	-373.87E-6	275.79E-6	5807.5	69202. 0 (Negligible)	

Structure: DH-8 | Sub-structure: DH-8

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

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Start Segment [m]	End [m]	Curvature Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
GVA-1	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.									

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
GVA-2	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.											
GVA-3	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.											
GVA-4	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.											
GVA-5	Max Slope	GVA-5	1	3.4190	4.9159	Hogging	**248.36E-6**	0.47742	0.0097534	13386.	- 0	(Negligible)
	Max Settlement	GVA-5	3	6.7039	7.8140	Hogging	223.71E-6	**1.1278**	0.020847	118520.	- 0	(Negligible)
	Max Tensile Strain	GVA-5	2	4.9159	6.7039	Sagging	235.55E-6	0.88168	**0.022533**	-	55095. 0	(Negligible)
	Min Radius of Curvature (Hogging)	GVA-5	1	3.4190	4.9159	Hogging	248.36E-6	0.47742	0.0097534	**13386.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GVA-5	2	4.9159	6.7039	Sagging	235.55E-6	0.88168	0.022533	-	**55095.** 0	(Negligible)
GVA-6	Max Slope	GVA-6	1	0.0	2.9540	Sagging	**125.26E-6**	1.4773	210.61E-6	-	130750. 0	(Negligible)
	Max Settlement	GVA-6	1	0.0	2.9540	Sagging	125.26E-6	**1.4773**	210.61E-6	-	130750. 0	(Negligible)
	Max Tensile Strain	GVA-6	1	0.0	2.9540	Sagging	125.26E-6	1.4773	**210.61E-6**	-	130750. 0	(Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GVA-6	1	0.0	2.9540	Sagging	125.26E-6	1.4773	210.61E-6	-	**130750.** 0	(Negligible)
GVA-7	Max Slope	GVA-7	1	0.0	3.7150	Hogging	**399.82E-6**	2.7354	0.032385	25893.	- 0	(Negligible)
	Max Settlement	GVA-7	1	0.0	3.7150	Hogging	399.82E-6	**2.7354**	0.032385	25893.	- 0	(Negligible)
	Max Tensile Strain	GVA-7	1	0.0	3.7150	Hogging	399.82E-6	2.7354	**0.032385**	25893.	- 0	(Negligible)
	Min Radius of Curvature (Hogging)	GVA-7	1	0.0	3.7150	Hogging	399.82E-6	2.7354	0.032385	**25893.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	- -	
GVA-8	Max Slope	GVA-8	1	0.0	2.1540	Sagging	**222.83E-6**	2.7358	311.46E-6	-	114350. 0	(Negligible)
	Max Settlement	GVA-8	1	0.0	2.1540	Sagging	222.83E-6	**2.7358**	311.46E-6	-	114350. 0	(Negligible)
	Max Tensile Strain	GVA-8	2	2.1540	2.9550	Hogging	222.83E-6	2.2631	**0.0037119**	470290.	- 0	(Negligible)
	Min Radius of Curvature (Hogging)	GVA-8	2	2.1540	2.9550	Hogging	222.83E-6	2.2631	0.0037119	**470290.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GVA-8	1	0.0	2.1540	Sagging	222.83E-6	2.7358	311.46E-6	-	**114350.** 0	(Negligible)
GVA-9	Max Slope	GVA-9	1	0.0	5.4832	Hogging	**220.32E-6**	2.0850	0.010240	119190.	- 0	(Negligible)
	Max Settlement	GVA-9	1	0.0	5.4832	Hogging	220.32E-6	**2.0850**	0.010240	119190.	- 0	(Negligible)
	Max Tensile Strain	GVA-9	2	5.4832	8.1188	Sagging	214.64E-6	0.97277	**0.016174**	-	63804. 0	(Negligible)
	Min Radius of Curvature (Hogging)	GVA-9	3	8.1188	9.8626	Hogging	216.17E-6	0.45752	0.0064528	**14093.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GVA-9	2	5.4832	8.1188	Sagging	214.64E-6	0.97277	0.016174	-	**63804.** 0	(Negligible)
GVA-10	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.											
GE-1	Max Slope	GE-1	1	0.0	7.9120	Sagging	**311.92E-6**	5.3018	0.0048311	-	18969. 0	(Negligible)
	Max Settlement	GE-1	1	0.0	7.9120	Sagging	311.92E-6	**5.3018**	0.0048311	-	18969. 0	(Negligible)
	Max Tensile Strain	GE-1	1	0.0	7.9120	Sagging	311.92E-6	5.3018	**0.0048311**	-	18969. 0	(Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	- -	
	Min Radius of Curvature (Sagging)	GE-1	1	0.0	7.9120	Sagging	311.92E-6	5.3018	0.0048311	-	**18969.** 0	(Negligible)
GE-2	Max Slope	GE-2	1	0.0	10.198	Hogging	**656.94E-6**	5.3018	0.057911	18361.	- 1	(Very Slight)
	Max Settlement	GE-2	1	0.0	10.198	Hogging	656.94E-6	**5.3018**	0.057911	18361.	- 1	(Very Slight)
	Max Tensile Strain	GE-2	1	0.0	10.198	Hogging	656.94E-6	5.3018	**0.057911**	18361.	- 1	(Very Slight)
	Min Radius of Curvature (Hogging)	GE-2	3	11.495	13.308	Hogging	270.34E-6	0.53012	0.013657	**6136.7**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GE-2	2	10.198	11.495	Sagging	270.34E-6	0.86398	0.037567	-	**79597.** 0	(Negligible)
GE-3	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.											
GE-4	Max Slope	GE-4	3	4.9490	13.713	Hogging	**462.56E-6**	3.8204	0.030027	27872.	- 0	(Negligible)
	Max Settlement	GE-4	3	4.9490	13.713	Hogging	462.56E-6	**3.8204**	0.030027	27872.	- 0	(Negligible)
	Max Tensile Strain	GE-4	3	4.9490	13.713	Hogging	462.56E-6	3.8204	**0.030027**	27872.	- 0	(Negligible)
	Min Radius of Curvature (Hogging)	GE-4	1	1.9591	3.3699	Hogging	256.84E-6	0.49222	0.012396	**12659.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	GE-4	2	3.3699	4.9490	Sagging	256.84E-6	0.86866	0.027270	-	**61129.** 0	(Negligible)
DH-1	Max Slope	DH-1	3	12.086	22.338	Hogging	**686.15E-6**	5.4765	0.053937	17557.	- 1	(Very Slight)
	Max Settlement	DH-1	3	12.086	22.338	Hogging	686.15E-6	**5.4765**	0.053937	17557.	- 1	(Very Slight)
	Max Tensile Strain	DH-1	3	12.086	22.338	Hogging	686.15E-6	5.4765	**0.053937**	17557.	- 1	(Very Slight)
	Min Radius of Curvature (Hogging)	DH-1	1	9.2270	10.864	Hogging	283.81E-6	0.56239	0.015519	**8244.3**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	DH-1	2	10.864	12.086	Sagging	269.68E-6	0.88204	0.037515	-	**54502.** 0	(Negligible)
DH-2	Max Slope	DH-2	3	17.399	24.959	Sagging	**262.53E-6**	4.2327	0.0018839	-	28950. 0	(Negligible)
	Max Settlement	DH-2	1	0.0	12.935	Sagging	128.92E-6	**5.4772**	0.0016696	-	19352. 0	(Negligible)
	Max Tensile Strain	DH-2	5	32.510	34.805	Sagging	220.22E-6	0.93220	**0.017743**	-	47518. 0	(Negligible)
	Min Radius of Curvature (Hogging)	DH-2	6	34.805	36.450	Hogging	235.30E-6	0.46138	0.0072856	**15435.**	- 0	(Negligible)
	Min Radius of Curvature (Sagging)	DH-2	1	0.0	12.935	Sagging	128.92E-6	5.4772	0.0016696	-	**19352.** 0	(Negligible)
DH-3	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.											
DH-4	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.											
DH-5	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	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.											
DH-6	Max Slope	DH-6	1	16.849	17.027	Sagging	**80.883E-6**	0.12203	0.0	-	254540.	0 (Negligible)
	Max Settlement	DH-6	4	20.431	32.706	Sagging	69.175E-6	**0.93543**	637.40E-6	-	87133.	0 (Negligible)
	Max Tensile Strain	DH-6	4	20.431	32.706	Sagging	69.175E-6	0.93543	**637.40E-6**	-	87133.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-6	3	19.418	20.431	Hogging	69.175E-6	0.35327	383.99E-6	**141170.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-6	4	20.431	32.706	Sagging	69.175E-6	0.93543	637.40E-6	-	**87133.**	0 (Negligible)
DH-7	Max Slope	DH-7	1	0.0	1.5103	Sagging	**275.79E-6**	0.93544	0.037411	-	69202.	0 (Negligible)
	Max Settlement	DH-7	1	0.0	1.5103	Sagging	275.79E-6	**0.93544**	0.037411	-	69202.	0 (Negligible)
	Max Tensile Strain	DH-7	1	0.0	1.5103	Sagging	275.79E-6	0.93544	**0.037411**	-	69202.	0 (Negligible)
	Min Radius of Curvature (Hogging)	DH-7	2	1.5103	3.3672	Hogging	275.79E-6	0.54358	0.012761	**5807.5**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	DH-7	1	0.0	1.5103	Sagging	275.79E-6	0.93544	0.037411	-	**69202.**	0 (Negligible)
DH-8	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.											

THAMES WATER ASSET SEARCH

Asset location search

Property Searches

Emma Hucker
Jomas Associates Ltd
Lakeside House
1Furzeground Way
STOCKLEY PARK
UB11 1BD

Search address supplied

138 - 140
Highgate Road
Highgate
London
NW5 1PB

Your reference N/A

Our reference ALS/ALS/24/2018_3856283

Search date 16 August 2018

Keeping you up-to-date

Notification of Price Changes

From 1 September 2018 Thames Water Property Searches will be increasing the price of its Asset Location Search in line with RPI at 3.23%.

For further details on the price increase please visit our website: www.thameswater-propertysearches.co.uk
Please note that any orders received with a higher payment prior to the 1 September 2018 will be non-refundable.

Thames Water Utilities Ltd
Property Searches, PO Box 3189, Slough SL1 4WW
DX 151280 Slough 13

searches@thameswater.co.uk
www.thameswater-propertysearches.co.uk

0845 070 9148

searchcode

Asset location search

Property Searches

Search address supplied: 138 - 140, Highgate Road, Highgate, London, NW5 1PB

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This searchprovides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd
Property Searches
PO Box 3189
Slough
SL1 4WW

Email: searches@thameswater.co.uk
Web: www.thameswater-propertysearches.co.uk

Asset location search

Thames Water Property Searches

Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an ‘as constructed’ record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Payment for this Search

Thank you for your payment covering the cost of this enquiry. We have enclosed a VAT Receipt for your records.

Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

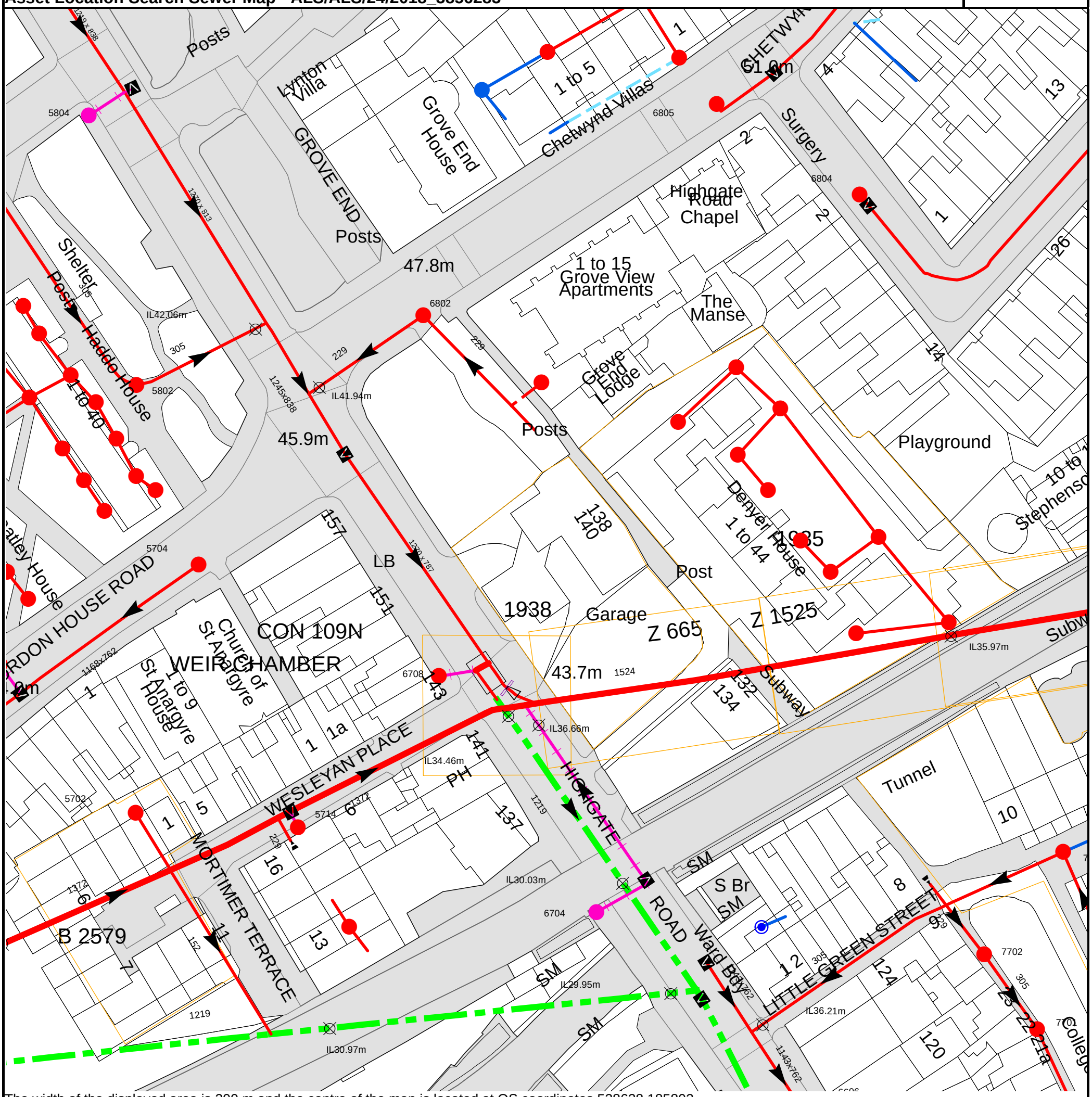
Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

Asset Location Search Sewer Map - ALS/ALS/24/2018_3856283



The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 528628,185802

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
77BJ	n/a	n/a
7702	42.33	41.25
7703	n/a	n/a
7701	41.71	40.61
6802	47.87	45.47
6708	n/a	n/a
68BA	n/a	n/a
6889	n/a	n/a
68BB	n/a	n/a
6704	n/a	n/a
68DA	n/a	n/a
68BC	n/a	n/a
6805	51.04	48.58
68DB	n/a	n/a
68DD	n/a	n/a
68DE	n/a	n/a
68DC	n/a	n/a
68DF	n/a	n/a
67CJ	n/a	n/a
67DA	n/a	n/a
6804	51.12	48.26
68DG	n/a	n/a
58CD	n/a	n/a
58CJ	n/a	n/a
5802	46.81	42.9
58CC	n/a	n/a
58CB	n/a	n/a
58CA	n/a	n/a
5804	n/a	n/a
57DE	n/a	n/a
5714	n/a	n/a
5702	42.13	41.08
57CC	n/a	n/a
57CB	n/a	n/a
5704	45.17	40.87
58DC	n/a	n/a
58CG	n/a	n/a
58DB	n/a	n/a
58CF	n/a	n/a
58DA	n/a	n/a
58CE	n/a	n/a

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.

Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.

Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.

Trunk Surface Water

Trunk Foul

Storm Relief

Trunk Combined

Vent Pipe

Bio-solids (Sludge)

Proposed Thames Surface Water Sewer

Proposed Thames Water Foul Sewer

Gallery

Foul Rising Main

Surface Water Rising Main

Combined Rising Main

Sludge Rising Main

Proposed Thames Water Rising Main

Vacuum

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

Air Valve

Dam Chase

Fitting

Meter

Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

Control Valve

Drop Pipe

Ancillary

Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

Outfall

Undefined End

Inlet

Other Symbols

Symbols used on maps which do not fall under other general categories

Public/Private Pumping Station

Change of characteristic indicator (C.O.C.I.)

Invert Level

Summit

Areas

Lines denoting areas of underground surveys, etc.

Agreement

Operational Site

Chamber

Tunnel

Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)

Foul Sewer

Surface Water Sewer

Combined Sewer

Gulley

Culverted Watercourse

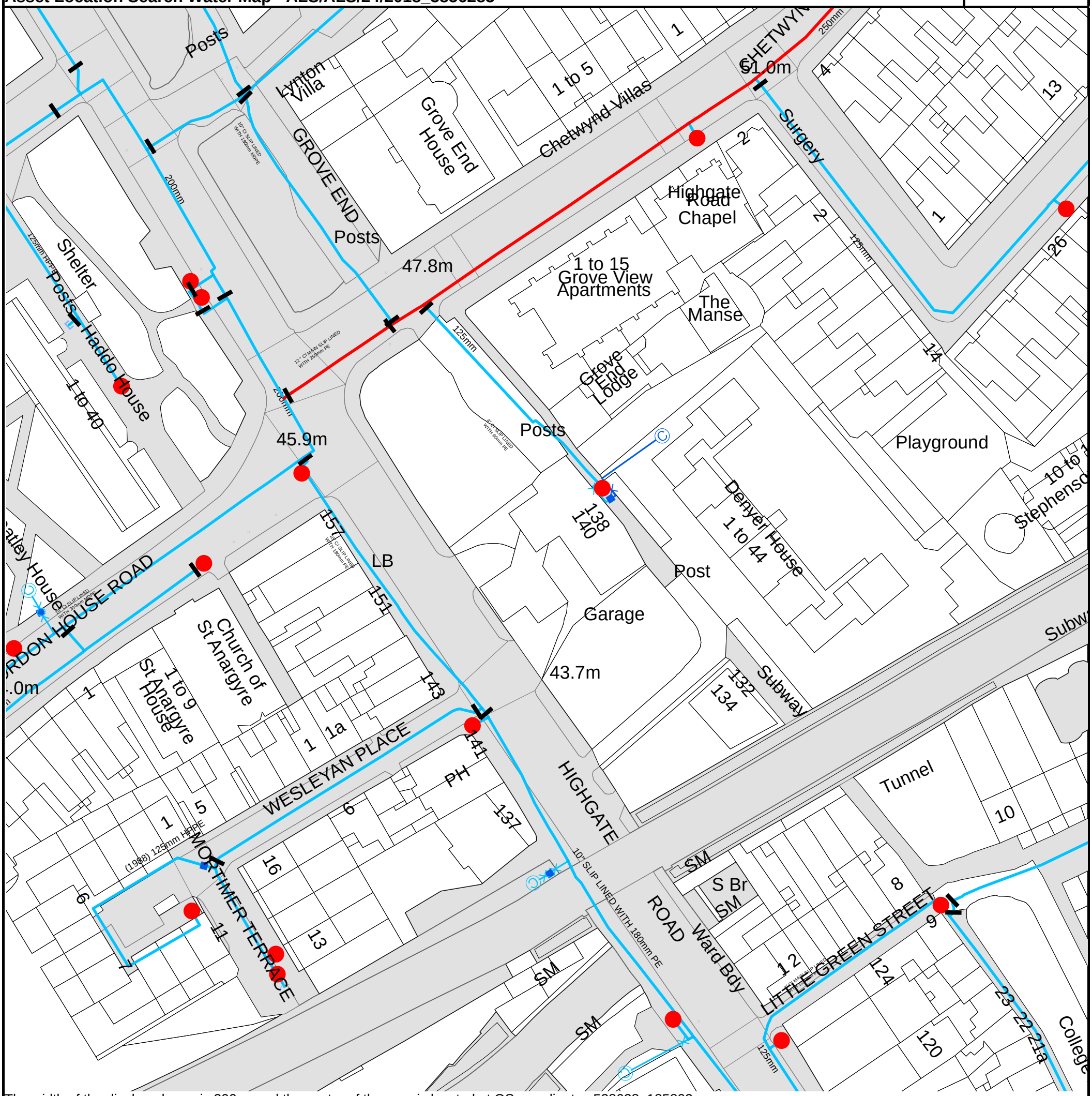
Proposed

Abandoned Sewer

Notes:

1) All levels associated with the plans are to Ordnance Datum Newlyn.
2) All measurements on the plans are metric.
3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
5) 'na' or '0' on a manhole level indicates that data is unavailable.
6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Asset Location Search Water Map - ALS/ALS/24/2018_3856283



The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 528628, 185802.

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

4"

Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.

16"

Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.

3" SUPPLY

Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.

3" FIRE

Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

3" METERED

Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.

Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.

Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

Hydrants

- Single Hydrant

Meters

- Meter

End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

Other Symbols

- Data Logger

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Other Water Pipes (Not Operated or Maintained by Thames Water)

Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.

Private Main: Indiates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL`s terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	**BACS Payment**	**Telephone Banking**	**Cheque**
Call **0845 070 9148** quoting your invoice number starting CBA or ADS / OSS	Account number **90478703** Sort code **60-00-01** A remittance advice must be sent to: **Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.** or email **ps.billing@thameswater.co.uk**	By calling your bank and quoting: Account number **90478703** Sort code **60-00-01** and your invoice number	Made payable to '**Thames Water Utilities Ltd**' Write your Thames Water account number on the back. Send to: **Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW** or by DX to **151280 Slough 13**

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.

Invoice

Emma Hucker
Jomas Associates Ltd
1 Lakeside House
Furzeground Way
Stockley Park
UB11 1BD

Thames Water Utilities Ltd.
PO Box 3189
Slough
SL1 4WW

Customer Reference: N/A
Invoice No: ADS18400719
Our Ref: ALS/ALS/24/2018_3856283

Customer Number: ADS129909
Purchase Order No:
Posting Date: 16-08-2018
Due Date: 30-08-2018

Search Address Supplied: 138 - 140, Highgate Road, Highgate, London, NW5 1PB

Description of Charges	Qty	Unit Price	VAT (20%)	Amount (Inc VAT)
Asset Location Search	1	£96.14	£19.23	£115.37

Thank you for your payment of 000000,111111 £115.37

OUTSTANDING AMOUNT (Inc. VAT) £0.00

Please send any outstanding amount to Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.

For queries please contact the Property Searches Customer Support Team on Tel: 0845 070 9148.

VAT Reg. No GB 537456915

Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE