

**Basement Impact
Assessment: Stage 4
(Ground Movement
Assessment) Report**

Project Name: 7 A,B,C Bayham Street

Location: 7 A,B,C Bayham Street, London,
NW1 0EY

Planning ref: 2018/3647/P

Client: Camden Lifestyle Ltd

STL Project ID: J13886

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SUMMARY

This report comprises a Ground Movement Assessment, undertaken as part of a Basement Impact Assessment for the proposed basement construction at this site. It forms Stage 4 of the Basement Impact Assessment process as set out by Camden Council and their auditors.

Stages 1 (Screening), 2 (Scoping) and 3 (Ground Investigation) have been undertaken by others.

The Ground Movement Assessment was undertaken using PDisp and XDisp software, and incorporates the net changes in soil loading resulting from the proposed development.

The maximum estimated category of damage to the neighbouring buildings is Category 1 (Very Slight). This assumes an excavation depth of 9.2m, and a pile length of 13m for the contiguous bored pile retaining walls. It will be necessary to ensure a high quality of construction controls, including a hit-and-miss piling sequence (at least 'hit one, miss three') and immediate installation of robust structural propping, in order to achieve this.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of Camden Lifestyle Ltd, and TZG Partnership Ltd, their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorization of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The findings and opinions conveyed via this report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd believes are reliable. Nevertheless, Southern Testing Laboratories Ltd cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

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For and on behalf of Southern Testing Laboratories Limited

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A INTRODUCTION

1 Authority

Our authority for carrying out this work is contained in a Project Order form completed by Kyri Hadjisoteris of Camden Lifestyle Ltd. The form is dated 12th December 2018. The Project Order form refers to our quotation ref. Q182259.

2 Proposed Construction

It is proposed to demolish the existing buildings that are present on site, and to construct a new five-storey building. The building will have an additional two-level basement beneath it, which is proposed to extend to the full footprint of the site.

It is understood that the new retaining walls will be formed using contiguous bored pile walls. Structural loads will be transferred to the basement slab.

3 Object

This is a Stage 4 (Ground Movement Assessment) as part of a Basement Impact Assessment for the proposed development at this site.

Stages 1 (Screening), 2 (Scoping) and 3 (Ground Investigation) were undertaken by others. The reader is referred to these previous reports for details on the earlier stages of the Basement Impact Assessment.

This Ground Movement Assessment is in accordance with Camden Council's planning policies for basement excavations. Their policies are set out in CPG4 'Basements and Light Wells' (Ref [1]), Development Policy DP27 'Basements and Light Wells' (Ref [2]), and the document 'Camden geological, hydrogeological and hydrological study – guidance for subterranean development' (Ref [3]).

The purpose of this Ground Movement Assessment is to enable Camden Council and their Engineers/auditors to assess whether any estimated damage to the properties in the vicinity of the proposed basement development is acceptable, or can be satisfactorily ameliorated by the developer as stated in DP27 (Ref [2]) and CPG4 (Ref [1]).

4 Scope

This report presents our Ground Movement Assessment results. The assessment was undertaken using PDisp and XDisp software packages. The methods used for estimating the horizontal and vertical displacements are in accordance with CIRIA C760 'Guidance on embedded retaining wall design' (Ref [4]).

The estimated category of damage is assessed, based on the results of the modelling.

This report is not an engineering design and the figures and calculations contained in the report should be used by the Engineer, taking note that variations will apply, according to variations in design loading, in techniques used, and in site conditions. Our figures therefore should not supersede the Engineer's design.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd believes are reliable. Nevertheless, Southern Testing Laboratories Ltd cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of Camden Lifestyle Ltd, and TZG Partnership, their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorization of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The recommendations contained in this report may not be appropriate to alternative development schemes.

Detailed information on the proposed development, such as detailed final layout, loadings and serviceability limits was provided by the Client's engineers.

B GROUND MOVEMENT ASSESSMENT

5 Basement Layout and Loadings

All levels and layouts of the foundations, excavation and existing and proposed building have been supplied by the Client's engineers, along with the existing and proposed ground loadings. An arbitrary datum level of +0.0m SD (Site Datum) has been taken as the existing ground level of the site.

Based on the supplied drawings, the formation level of the new internal basement is proposed to be at -9.2m bSD, and so the total excavation depth will be 9.2m.

It is understood that all structural loads will be transferred to a reinforced concrete basement slab via the piled retaining walls. The retaining walls will be formed using contiguous bored pile methods in a 'hit-and-miss' pattern (at least 'hit one, miss three'). The pile dimensions have not been confirmed at this stage; however, limits on pile length are highlighted in this Ground Movement Assessment.

Ground loadings for the proposed building, and for the existing buildings on site which are to be demolished, have been supplied by the Client's engineers.

A cross-section from the Client's engineers showing the proposed development is included in Appendix A (Figure 1).

6 Modelling of movements due to vertical stress change

Vertical soil displacements are typically modelled as comprising a short-term (undrained) response, followed by a long-term (drained) response. These displacements are caused by the net changes in vertical stress due to the excavation of the basement and new/alterd structural loadings. The magnitude of the displacements is related to the geotechnical properties of the underlying soils. It is assumed that there will be no delay between the excavation of the basement, and construction of the structural elements.

The estimated vertical ground movements were modelled using the OASYS program PDisp. This program assumes a linear elastic soil behaviour, and flexible structure for the existing and adjacent buildings. However, it is likely that the stiffness of the structures will not be fully flexible; rather, the structures will have a finite value of flexibility. As a result of this finite flexibility the displacements would tend to be smoothed out or redistributed when compared to those estimated by PDisp. The estimated movements are, therefore, likely to be conservative, and the actual movements affecting the structures would likely be less than those estimated by PDisp.

Based on the information in the Stage 3 (Ground Investigation) report, the following ground profile and geotechnical parameters have been assumed for the PDisp (vertical movements) analysis:

Soil Type	Depth to Base (m bSD)	Bulk Unit Weight (γ_b) (kN/m ³)	Poisson's Ratio (ν)		Undrained Young's Modulus (E_u) (MN/m ²)		Drained Young's Modulus (E_d) (MN/m ²)	
			Undrained	Drained	Top of stratum	Base of stratum	Top of stratum	Base of stratum
Made Ground	-2	19	0.5	0.2	5	5	3.75	3.75
London Clay	-40 ⁽¹⁾	20	0.5	0.2	10 ⁽²⁾	259.6 ⁽²⁾	7.5 ⁽²⁾	194.7 ⁽²⁾

(1) An arbitrary rigid boundary has been assumed at 40m bgl (-40m bSD) for the purposes of this analysis.

(2) For the London Clay, the stiffness parameters were derived based on Burland and Kalra (1986) (Ref [5]) as follows:

- a. Undrained Young's Modulus (E_u) = $10 + 5.2z$ MN/m²
- b. Drained Young's Modulus (E_d) = $7.5 + 3.9z$ MN/m²

Where z is taken as the depth (metres) below the surface of the London Clay.

7 Vertical displacements from excavation and proposed construction loadings

The Client's engineers provided drawings detailing the proposed foundation arrangement and loadings for the proposed foundations and new retaining walls.

An adapted plan, based on the plans supplied by the Client's engineers, showing the general arrangement of the proposed basement area and new loads is shown in Figure 2, Appendix A.

An unload pressure of 182 kN/m² has been adopted for the proposed basement excavation. The new structural loads acting across the basement slab were supplied by the Client's engineers. The existing foundation load arrangement is shown in Figure 3, Appendix A.

7.1 Short-term (undrained) vertical ground displacements

PDisp was used to estimate the likely movements arising as a result of the combination of unloading due to the basement, demolition of the existing buildings, and the application of the new loads associated with the proposed development. The analysis indicates peak undrained movements, due to the net changes in soil loading, of about 14mm (heave) occurring underneath the basement. Figure U1 (Appendix B) shows the distribution of the estimated short-term movements across the site.

In order to illustrate the likely displacements occurring beneath the existing and neighbouring properties and infrastructure, displacement lines were extended out from the edge of the proposed excavation. The locations of the displacement lines (Figures U1-L1 to U1-L6), are shown in Figure 4, in Appendix B. A summary of the short-term vertical displacements on the displacement lines is shown in Table 1, Appendix B.

7.2 Long-term (drained) vertical ground displacements

The ground displacements following construction were also analysed for the long-term (drained) case. As for the short-term analysis, the long-term analysis was undertaken for the combination of the unloading due to the excavation of the basement and application of the proposed construction loadings. The PDisp assessment indicates peak drained displacements, due to the net changes in soil loading, of about 23mm (heave) occurring underneath the basement. Figure V1 (Appendix C) shows the distribution of the estimated long-term movements across the site.

Displacement lines were drawn in the same arrangement as those drawn for the short-term analysis. The displacement lines are included in Appendix C (see Figures V1-L1 to V1-L6). A summary of the vertical displacements is shown in Table 2, Appendix C. The long-term movements calculated by PDisp include the short-term movements.

It should be noted that, as discussed in later sections, vertical movements resulting from the net changes in soil loading occur along with other ground movements which are associated with the excavation of the basement and its construction.

8 Movements due to basement excavation and retaining wall construction

The new foundations will be formed using a reinforced concrete slab foundation. Structural loads will be transferred to the slab via the contiguous bored pile retaining walls.

Vertical and horizontal ground displacements will be generated at several stages during the construction of the retaining walls, as outlined in the sections below.

8.1 Installation (excavation and casting) of the new foundations and retaining walls

As outlined in CIRIA C760, the installation of the proposed contiguous bored pile retaining walls would cause vertical and horizontal movements as follows:

- **Vertical movements** will be 0.04% of the wall depth (i.e. the pile length) at the interface between the wall and the soil. The vertical movements reduce to a negligible amount by about two times the wall depth away from the wall.
- **Horizontal movements** will be 0.04% of the wall depth at the interface between the wall and the soil. The horizontal movements will reduce to a negligible amount by about one and a half times the wall depth away from the wall.

It is noted that the magnitude of movements above, as outlined in CIRIA C760, are likely to be very conservative and are based on limited data. In their case study, Ball, Langdon and Creighton (Ref [6]) suggest that horizontal and vertical movements can be restricted to 0.02% of wall depth where construction controls are adopted at an early stage. The suggested construction controls include, but are not limited to, CFA piling (as opposed to open-bore piling) and utilising a hit-and-miss installation sequence. It is understood that suitable construction controls will be put in place for this project, and so the reduced value for vertical and horizontal movements of 0.02% of wall height has been adopted for this Ground Movement Assessment.

Furthermore, it is possible that, given good quality construction methods, horizontal movements due to pile installation may be significantly less than 0.02% of the wall height. To provide a 'worst-credible' scenario, this Ground Movement Assessment does not consider this to be the case for the proposed development.

Through a trial-and-error approach, and using a value of 0.02% of wall height for vertical and horizontal movements related to the wall installation, it was found that the greatest length of pile that would result in a Category of Damage of no more than Category 1 (Very Slight) was 13m (i.e. for pile lengths greater than this, the resultant Category of Damage was Category 2 – Slight). The results shown in this report are for a 13m pile.

For comparison, the analysis using a value of 0.04% of wall depth is included in Table 7, Appendix F (short-term) and Table 8, Appendix G (long-term).

8.2 Excavation in front of the new retaining walls

Guidance is given in CIRIA C760 (Ref [4]) for both high stiffness (propped), and low stiffness (cantilevered), walls. In this instance we understand that the construction sequence, including the temporary and permanent works design, will ensure that the new retaining walls will be propped throughout the works. A 'top-down' approach will be utilised. The ground floor slab, and first basement level slab, will form permanent propping for the retaining walls. CIRIA C760 (Ref [4]) indicates empirical relationships for the displacements produced by the construction, and excavation in front of, a high support stiffness wall as follows:

- **Peak vertical displacements** will be 0.07% of the total excavation depth, and will occur at about half the excavation depth away from the wall. The vertical displacements at the wall will be 0.04% of the excavation depth. There will be no vertical displacements beyond a distance of about 3.5 times the excavation depth from the wall. The displacements will decrease in a non-linear fashion.
- **Peak Horizontal displacements** will be 0.15% of the total excavation depth, and will occur at the wall. These displacements will extend to a distance of four times the excavation depth away from the wall. The magnitude of displacements will decrease linearly.

Movements due to excavation in front of the retaining walls should be small when excavation is carried out in a well-controlled manner.

8.3 Modelling Methodology

The OASYS XDisp software was used to undertake the assessment of the vertical and horizontal displacements caused by the construction of the basement walls and new retaining walls.

The empirical guidance within CIRIA C760 (Ref [4]) is assumed to include any short-term (undrained) displacements that arise due to net changes in vertical stress (i.e. those caused by the excavation unloading, and the new loads of the proposed foundations). Furthermore, as data was collected over a relatively short period following construction, it is unlikely that the data includes any long-term (drained) displacements. Therefore the long-term ground displacements we have estimated comprise two elements:

- 1) Displacements estimated by CIRIA C760 using XDisp. As outlined above, these comprise displacements relating to the installation of the contiguous bored pile retaining wall, and excavation in front of the walls, as well as any short-term movements from the net changes in vertical loading.
- 2) Long-term displacements caused by the changes in vertical loading (as calculated in PDisp). As noted above, the long-term output from PDisp includes the short-term displacements. Therefore, the long-term displacements included in the calculation of total ground movements are calculated as the difference between the PDisp-calculated long-term displacements, and the PDisp-calculated short-term displacements (i.e. Figure V1 minus Figure U1), plus the movements calculated by XDisp for the short-term case.

A summary of the predicted short-term displacements and long-term displacements caused by the construction of the basement walls and formation of the new basement is shown in the sections below. As discussed above, we have assumed an excavation depth of 9.2m for the rear basement.

Based on the analysis in this section of the Basement Impact Assessment, and assessment has been made of the estimated potential damage to the nearby structures. A plan showing the layout of the buildings surrounding the site is shown in Figure 4, Appendix A. The following sections show the estimated categories of damage. The general categories of damage (after Burland *et al* (Ref [5])) are summarised in the table below (Table 3):

Category	Description
0 (Negligible)	Negligible – hairline cracks.
1 (Very Slight)	Fine cracks that can easily be treated during normal decoration (crack width <1mm)
2 (Slight)	Cracks easily filled, redecoration probably required. Some repointing may be required externally (crack width <5mm).
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 (crack width 5 to 15mm, or a number of cracks >3mm).
4 (Severe)	Extensive repair work involving breaking-out and replacing sections of walls, especially over doors and windows (crack width 15 to 25mm but also depends on number of cracks).
5 (Very Severe)	This requires a major repair involving partial or complete re-building (crack width usually >25mm but depends on number of cracks).

Table 3: General categories of damage

8.4 Short-term displacements caused by installation of piled retaining walls and excavation of the basement

The tabular output from the XDisp analysis is attached (Table 4, Appendix D). The short-term displacements considered in this table arise from:

1. Installation of the contiguous bored pile retaining wall (13m pile length, movements of 0.02% of wall height)
2. Excavation in front of the wall (excavation depth 9.2m, stiffened wall).

Displacement lines showing the short-term vertical and horizontal movements are shown in Figures X1-1 to X1-L6 (Appendix D). The maximum estimated Category of Damage is Category 1 (Very Slight).

8.5 Long-term movements caused by installation of piled retaining walls and excavation of the basement

The tabular output from the XDisp analysis is attached (Table 5, Appendix D). The short-term displacements considered in this table arise from:

1. Installation of the contiguous bored pile retaining wall (13m pile length, movements of 0.02% of wall height)
2. Excavation in front of the wall (excavation depth 9.2m, stiffened wall).
3. Long-term net changes in vertical soil loading (Figure V1 minus Figure U1).

Displacement lines showing the short-term vertical and horizontal movements are shown in Figures Q1-1 to Q1-L6 (Appendix E). The maximum estimated Category of Damage is Category 1 (Very Slight).

9 Summary of Damage Categories

A summary of the estimated damage categories caused by the excavation of the basement at the subject site is shown in the table below (Table 6).

Structure	Maximum Estimated Damage Category (assuming 13m pile 0.02% movements)	
	End of construction (short-term condition)	Post-construction (long-term condition)
1-A	1 (Very Slight)	1 (Very Slight)
1-B	1 (Very Slight)	1 (Very Slight)
1-C	0 (Negligible)	0 (Negligible)
1-D	0 (Negligible)	0 (Negligible)
2-A	1 (Very Slight)	1 (Very Slight)
2-B	0 (Negligible)	0 (Negligible)
3-A	1 (Very Slight)	1 (Very Slight)
3-B	1 (Very Slight)	1 (Very Slight)
3-C	1 (Very Slight)	1 (Very Slight)
3-D	0 (Negligible)	0 (Negligible)
3-E	0 (Negligible)	0 (Negligible)
4-A	1 (Very Slight)	1 (Very Slight)
4-B	1 (Very Slight)	1 (Very Slight)
4-C	0 (Negligible)	0 (Negligible)
4-D	0 (Negligible)	0 (Negligible)
5-A	1 (Very Slight)	1 (Very Slight)
5-B	1 (Very Slight)	1 (Very Slight)

Structure	Maximum Estimated Damage Category (assuming 13m pile 0.02% movements)	
	End of construction (short-term condition)	Post-construction (long-term condition)
5-C	0 (Negligible)	0 (Negligible)
6-A	0 (Negligible)	0 (Negligible)

Table 6: Summary of estimated category of damage to nearby structures.

A plan showing the estimated Category of Damage for the surrounding buildings caused by the long-term displacements is included in Appendix E (Figure 5).

The results of the analysis using a value of 0.04% of wall depth is included in Table 7, Appendix F (short-term) and Table 8, Appendix G (long-term). Using this value, the maximum estimated Category of Damage is 2 (Slight). As discussed, provided that appropriate construction controls are put in place, it is considered that the movements due to the installation of the piled retaining wall can be reduced to 0.02% of the wall height (pile length).

10 Highways and Utilities

The estimated long-term ground movements affecting the nearby highway (Bayham Street) are as follows:

- At the nearest edge of the highway to the basement (i.e. the edge of the pedestrian footway on the south western side of Bayham Street), which lies along the boundary of the proposed basement, the estimated long-term horizontal displacements are about 16.5mm towards the excavation. The estimated long-term vertical displacements at the same location are about 6.2mm (settlement).
- At the further edge of the highway (i.e. the edge of the pedestrian footway on the north eastern side of Bayham Street), the estimated horizontal displacements are about 7.0mm towards the excavation. 3.7mm (settlement). The estimated long-term vertical displacements are about
- Horizontal movements decrease approximately linearly with distance away from the basement.
- Peak vertical displacements occur about 5.7m away from the edge of the basement, and are estimated to be about 8.7mm (settlement).

From plans supplied by the Client's engineers, it is understood that a Thames Water fresh water main and, combined sewer, are present running approximately along the centre of Bayham Street. A low pressure gas main runs along the south western edge of the carriageway. A Virgin Media telecoms cable is present beneath the south western pedestrian footway. The exact dimensions and details of these utilities is not known; however, it is considered that ground displacements affecting the utilities will generally be limited. The long-term round movements across Bayham Street are shown in Figure Q1-L6.

11 Conclusion

The analysis assumes good quality working practice and that a 'robust' level of propping is employed. It is understood that a 'hit-and-miss' piling sequence will be adopted, and that good construction controls will be implemented to ensure that movements due to pile installation are effectively mitigated against. It is understood that a 'top-down' construction approach will be utilised.

From a trial-and-error approach it appears that the maximum estimated Category of Damage can be kept to Category 1 (Very Slight) for piles of up to 13m in length. This Ground Movement Assessment assumes a pile length of 13m to provide a 'worst-credible' scenario. A pile design specialist will need to confirm the pile design for the proposed development. A revision to this model will be required for different pile lengths.

A formal monitoring system should be employed during the construction in order to observe and monitor ground movements, especially in critical areas such as boundaries with the neighbouring properties. Monitoring data should be checked against predefined trigger limits to give early indications of any deviating or excessive ground displacements.

REFERENCES

- [1] London Borough of Camden, "Camden Planning Guidance CPG4 - Basements and Lightwells," 2015.
- [2] London Borough of Camden, "Camden Development Policy DP27 - Basements and Lightwells".
- [3] Ove Arup & Partners Ltd, "London Borough of Camden - Camden Geological, hydrogeological and hydrological study. Guidance for subterranean development.," 2010.
- [4] CIRIA, C760 Guidance on embedded retaining wall design, London: CIRIA, 2017.
- [5] Burland J. B. and Kalra J. L., "Queen Elizabeth II Conference Centre; Geotechnical Aspects," *Proceedings of Institution of Civil Engineers*, vol. 80, pp. 1479 - 1503, 1986.
- [6] R. Ball, N. Langdon and M. Creighton, "Prediction of party wall movements using Ciria report C580," *New Civil Engineer*, pp. 25-29, 2014.



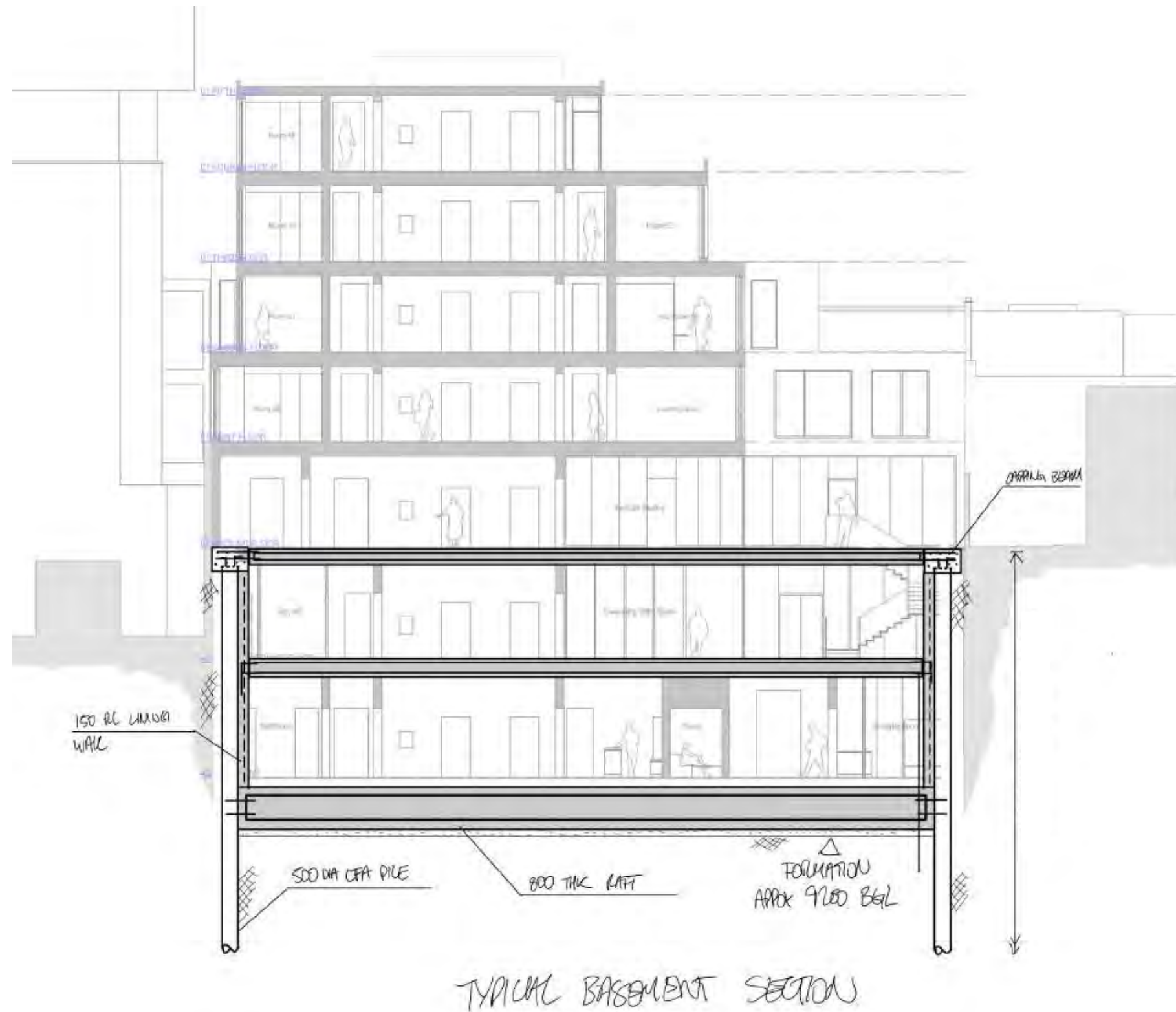
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APPENDIX A

Site Plans





Site: 7 A,B,C Bayham Street

STL: J13886

Fig No: 1

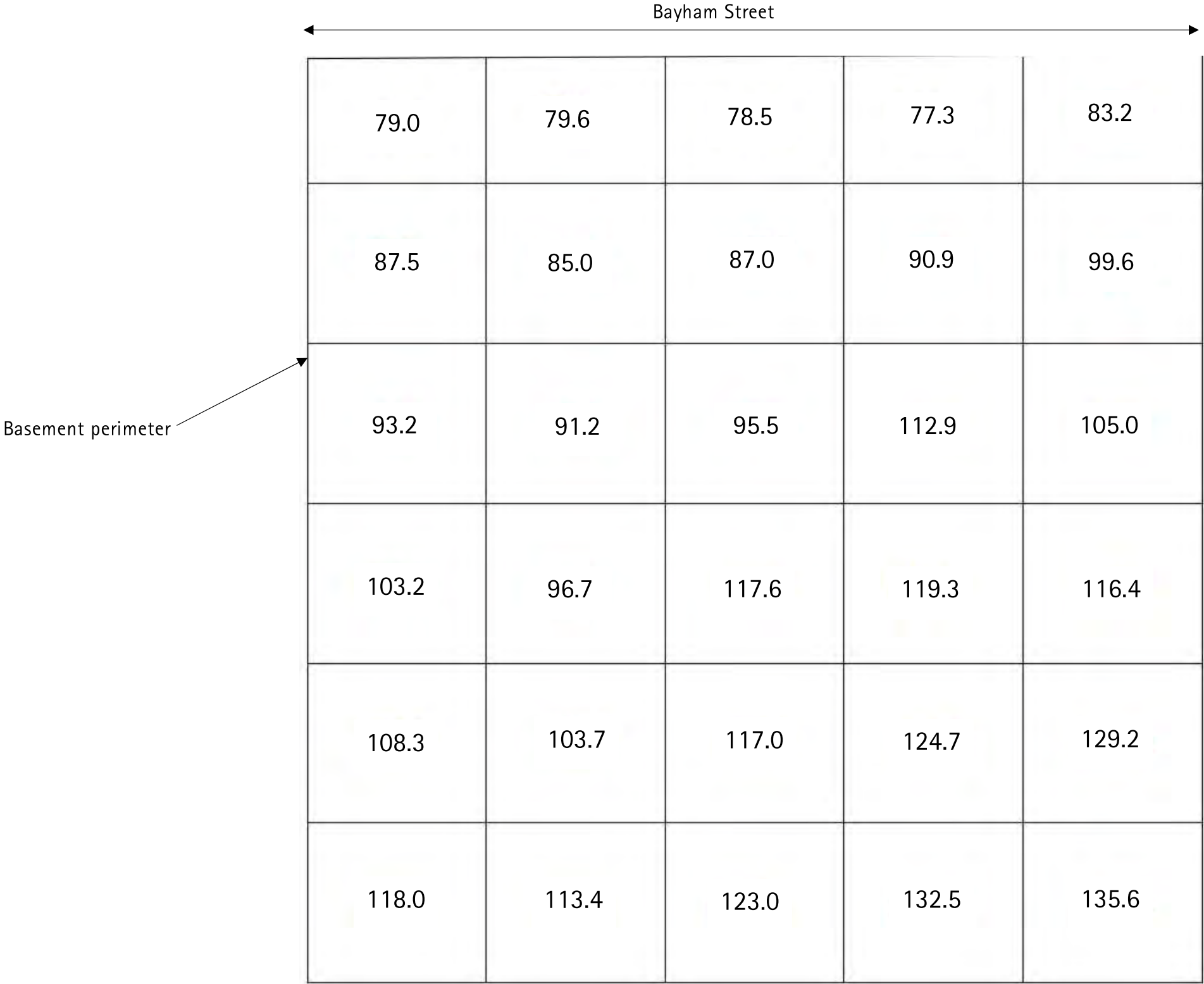
Date: 18 December 2018

Cross-section through proposed development.

 Southern Testing

Southern Testing: Keeble House, Stuart Way, East Grinstead, West Sussex RH19 4QA
ST Consult: Twigden Barns, Brixworth Road, Creton, Northampton NN6 8NN

 ST Consult



All pressures in
kN/m²

Note: all loads received from Client's Engineers. The values shows the average pressure within that cell.

Site: 7 A,B,C Bayham Street

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Fig No: 2

Date: 18 December 2018



Southern Testing: Keeble House, Stuart Way, East Grinstead, West Sussex RH19 4QA
ST Consult: Twigden Barns, Brixworth Road, Creaton, Northampton NN6 8NN



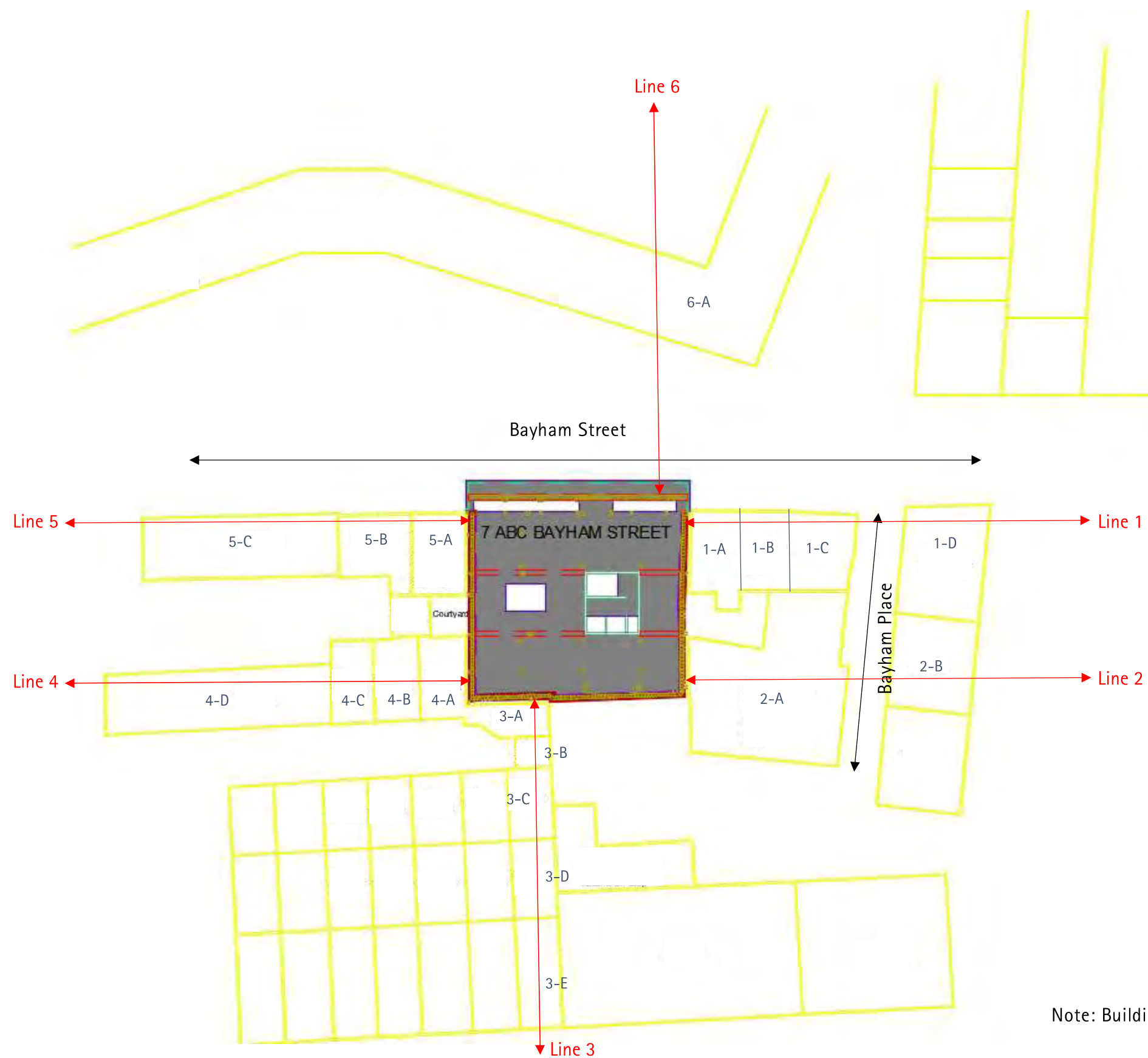
Proposed basement slab loadings (5m grid)



Bayham Street

Load ref	Dead Load + Live Load (kN/m run)	Assumed foundation width (m)	Approx. Pressure (kN/m ²)	Assumed foundation depth (m bgl)
W1	30.2	0.6	50	0.6
W2	17	0.6	28.3	0.6
W3	15	0.6	25	0.6

Note: all loads received from Client's Engineers.



Site: 7 A,B,C Bayham Street

STL: J13886

Fig No: 4

Date: 18 December 2018

Arrangement of displacement lines and buildings



Numbers indicate estimated Category of Damage caused by long-term movements.

Where numbers are shown in brackets this indicates an approximate Category of Damage where no displacement line was drawn.

Site: 7 A,B,C Bayham Street

STL: J13886

Fig No: 5

Date: 18 December 2018

Summary of Category of Damage to neighbouring buildings.

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Southern Testing: Keeble House, Stuart Way, East Grinstead, West Sussex RH19 4QA
ST Consult: Twigden Barns, Brixworth Road, Creton, Northampton NN6 8NN

 ST Consult



APPENDIX B

Short-Term Vertical Ground Displacements (PDisp)



B

Table 1: Summary of short-term vertical displacements due to net changes in soil loading

Structure reference	Displacement Line	Figure reference ⁽¹⁾	Approx. displacement at elevation closest to basement (mm)	Approx. displacement at elevation furthest from basement (mm)
1-A	Line 1	U1-L1	6.00 (heave)	1.60 (heave)
1-B			1.60 (heave)	0.60 (heave)
1-C			0.60 (heave)	0.04 (heave)
Bayham Place			0.04 (heave)	0.04 (settlement)
1-D			0.04 (settlement)	0.10 (settlement)
2-A	Line 2	U1-L2	7.45 (heave)	0.09 (heave)
Bayham Place			0.09 (heave)	0.02 (settlement)
2-B			0.02 (settlement)	0.10 (settlement)
3-A	Line 3	U1-L3	8.55 (heave)	2.88 (heave)
3-B			2.88 (heave)	1.35 (heave)
3-C			1.35 (heave)	0.30 (heave)
3-D			0.30 (heave)	0.04 (settlement)
3-E			0.04 (settlement)	0.10 (settlement)
4-A	Line 4	U1-L4	6.85 (heave)	1.60 (heave)
4-B			1.60 (heave)	0.50 (heave)

Structure reference	Displacement Line	Figure reference ⁽¹⁾	Approx. displacement at elevation closest to basement (mm)	Approx. displacement at elevation furthest from basement (mm)
4-C			0.50 (heave)	0.18 (heave)
4-D			0.18 (heave)	0.10 (settlement)
5-A	Line 5	U1-L5	4.85 (heave)	1.10 (heave)
5-B			1.10 (heave)	0.17 (heave)
5-C			0.17 (heave)	0.10 (settlement)
Bayham Street	Line 6	U1-L6	5.76 (heave)	0.06 (heave)
6-A			0.06 (heave)	0.90 (settlement)

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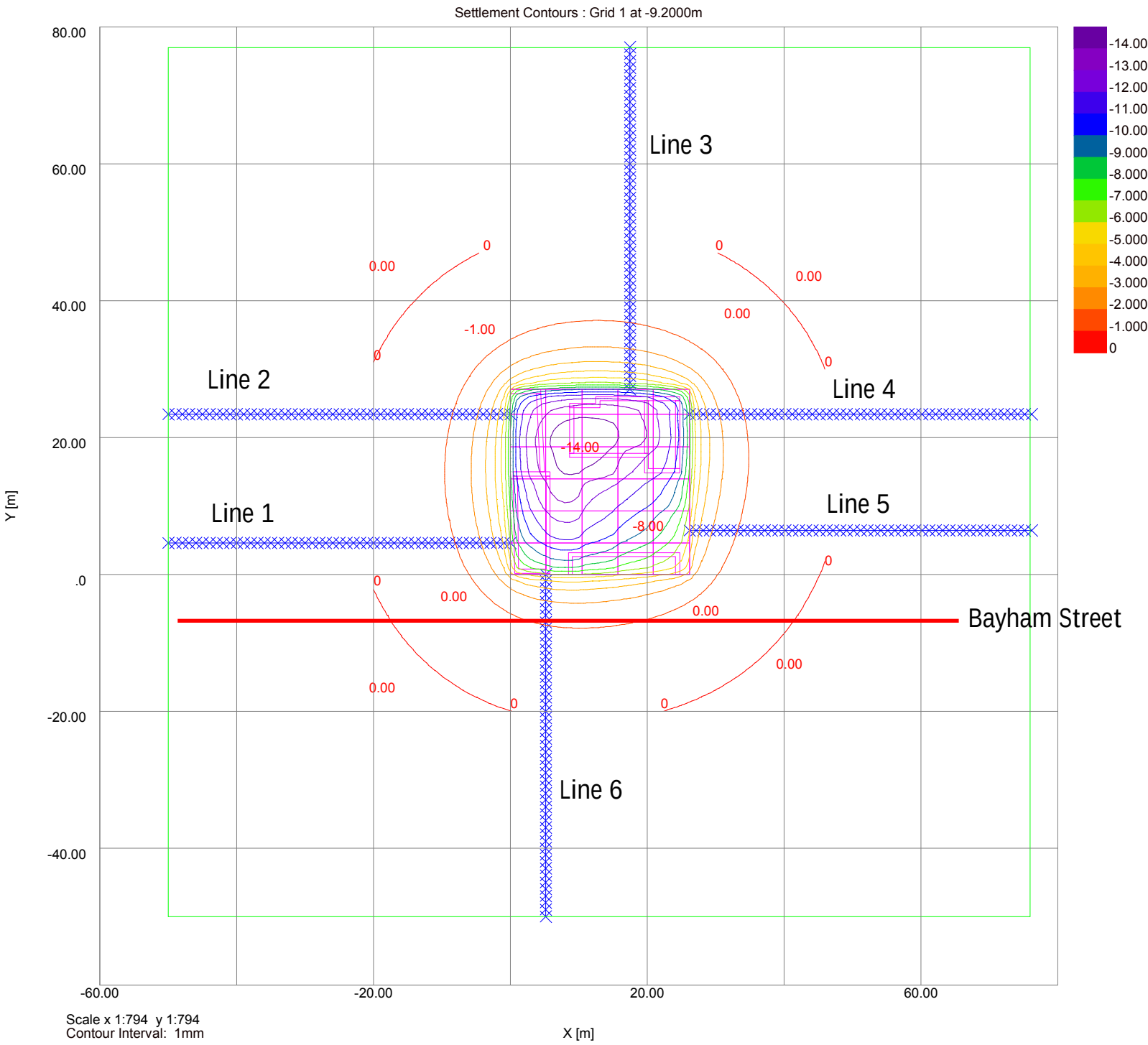


Fig U1

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Made by TRL	Date	Checked

Displacement for Line 1

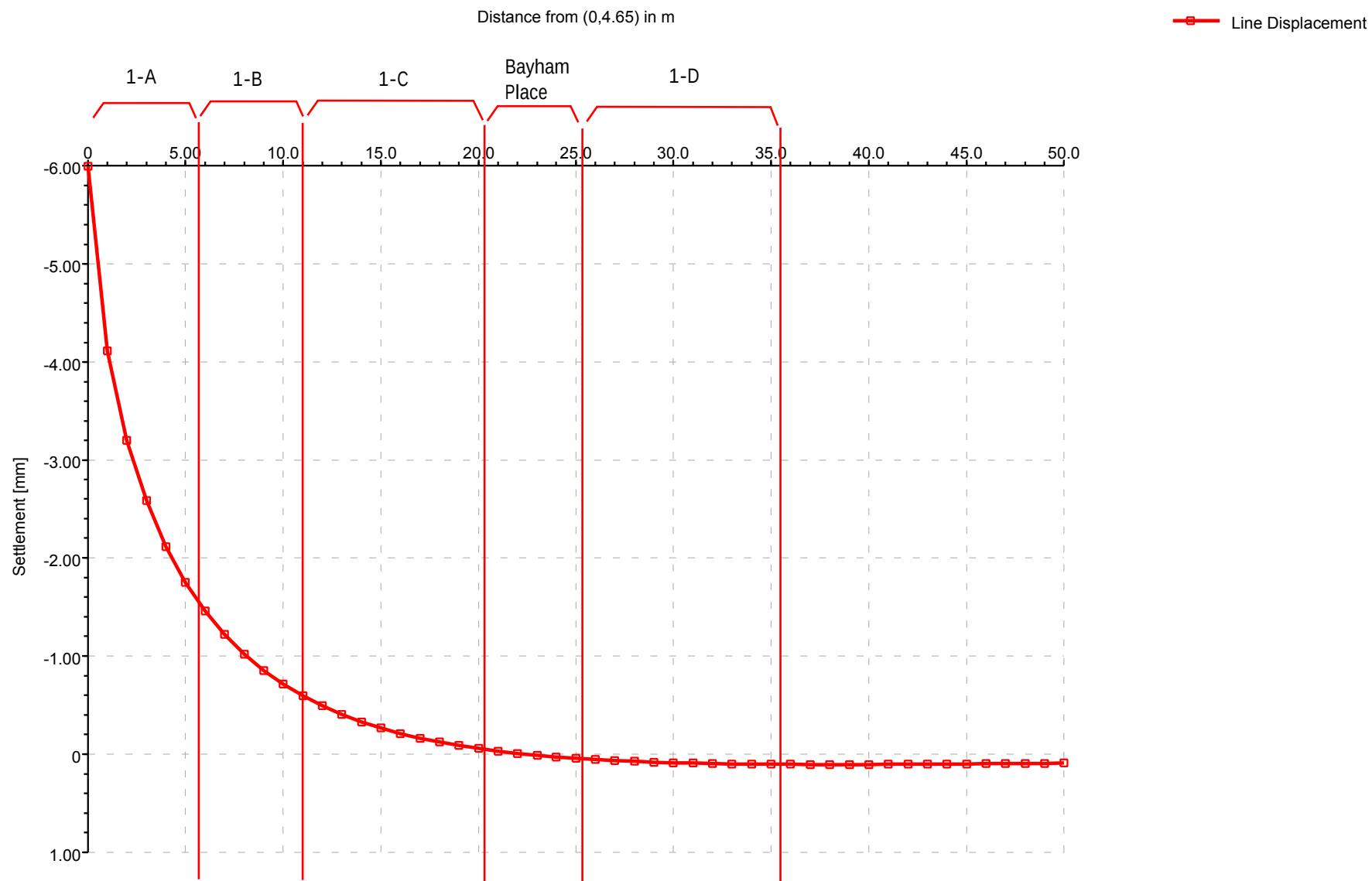


Fig U1-L1



SOUTHERN TESTING LABORATORIES

7 ABC Bayham Street
London NW1 0EY
U1 - Undrained Movements

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
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TRL		

Displacement for Line 2

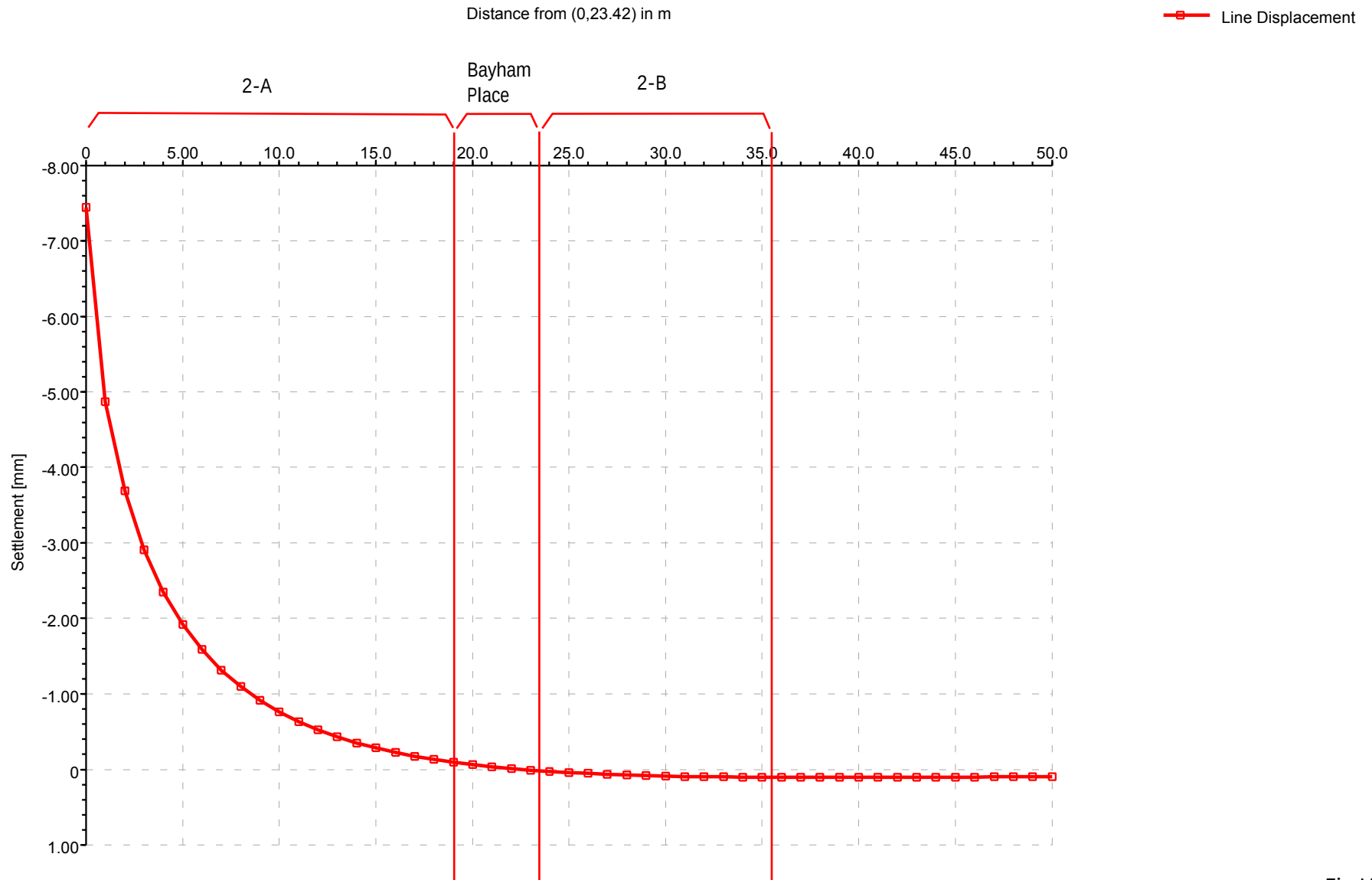


Fig U1-L2

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 3

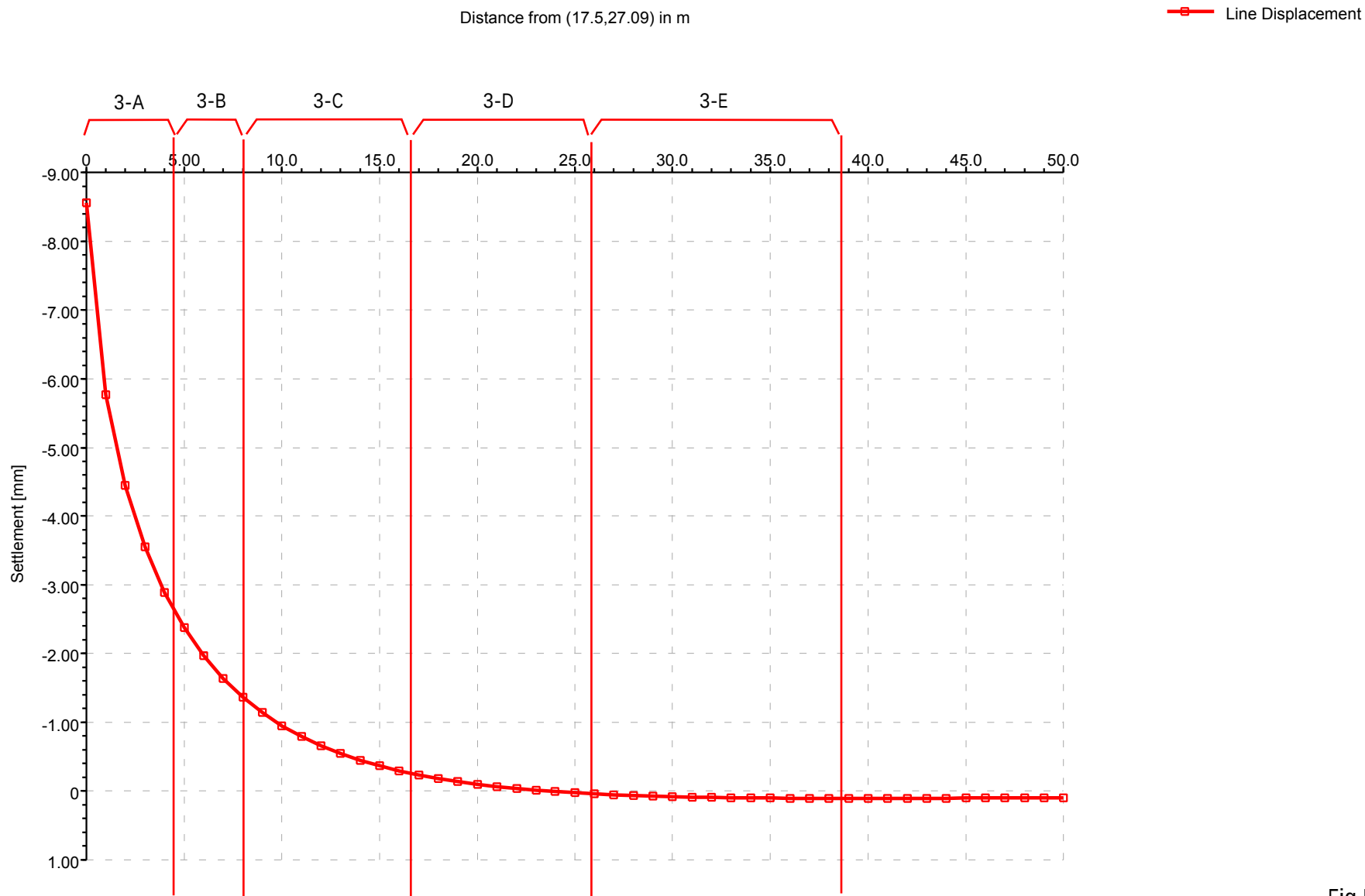


Fig U1-L3

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 4

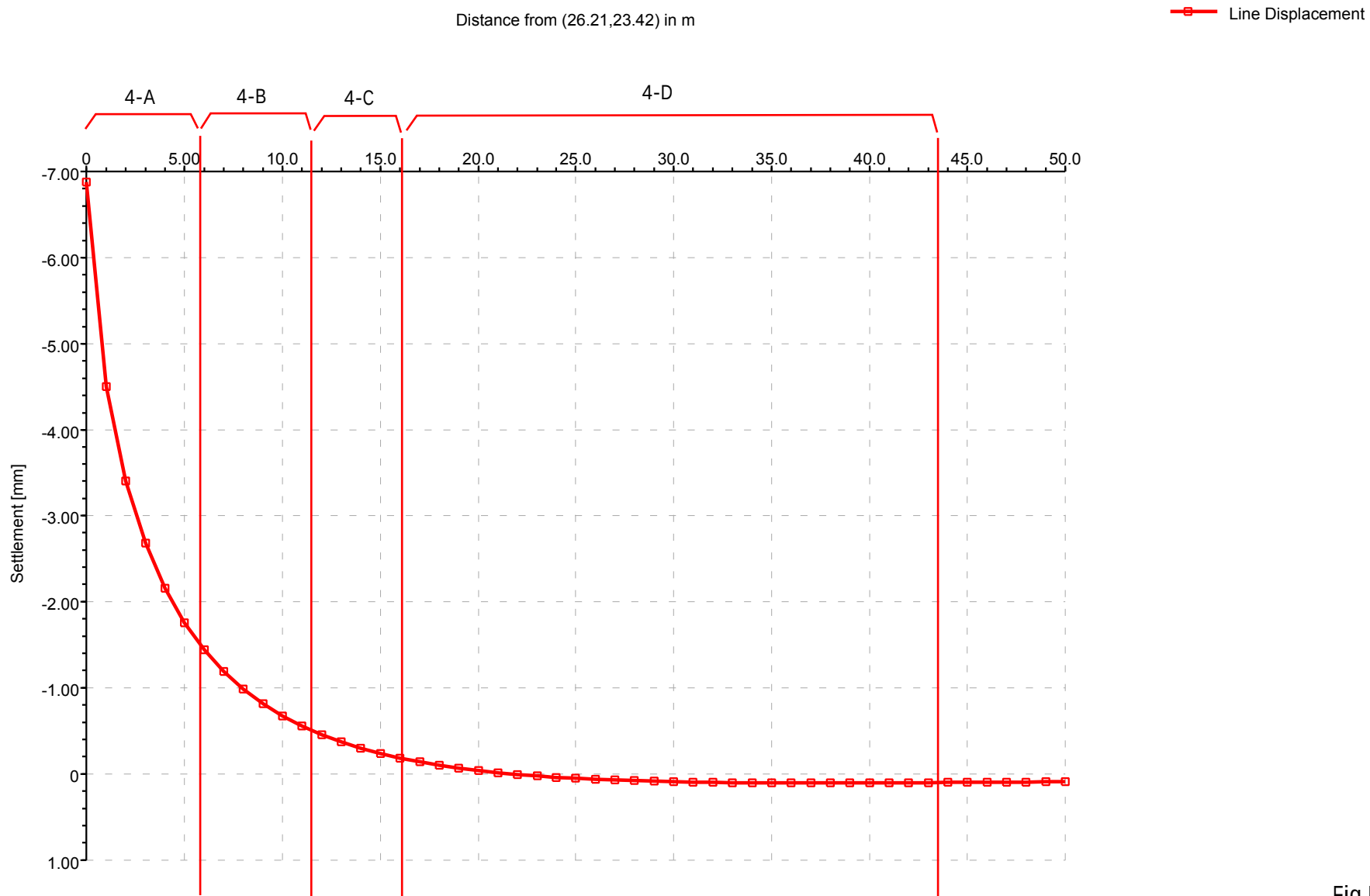


Fig U1-L4

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 5

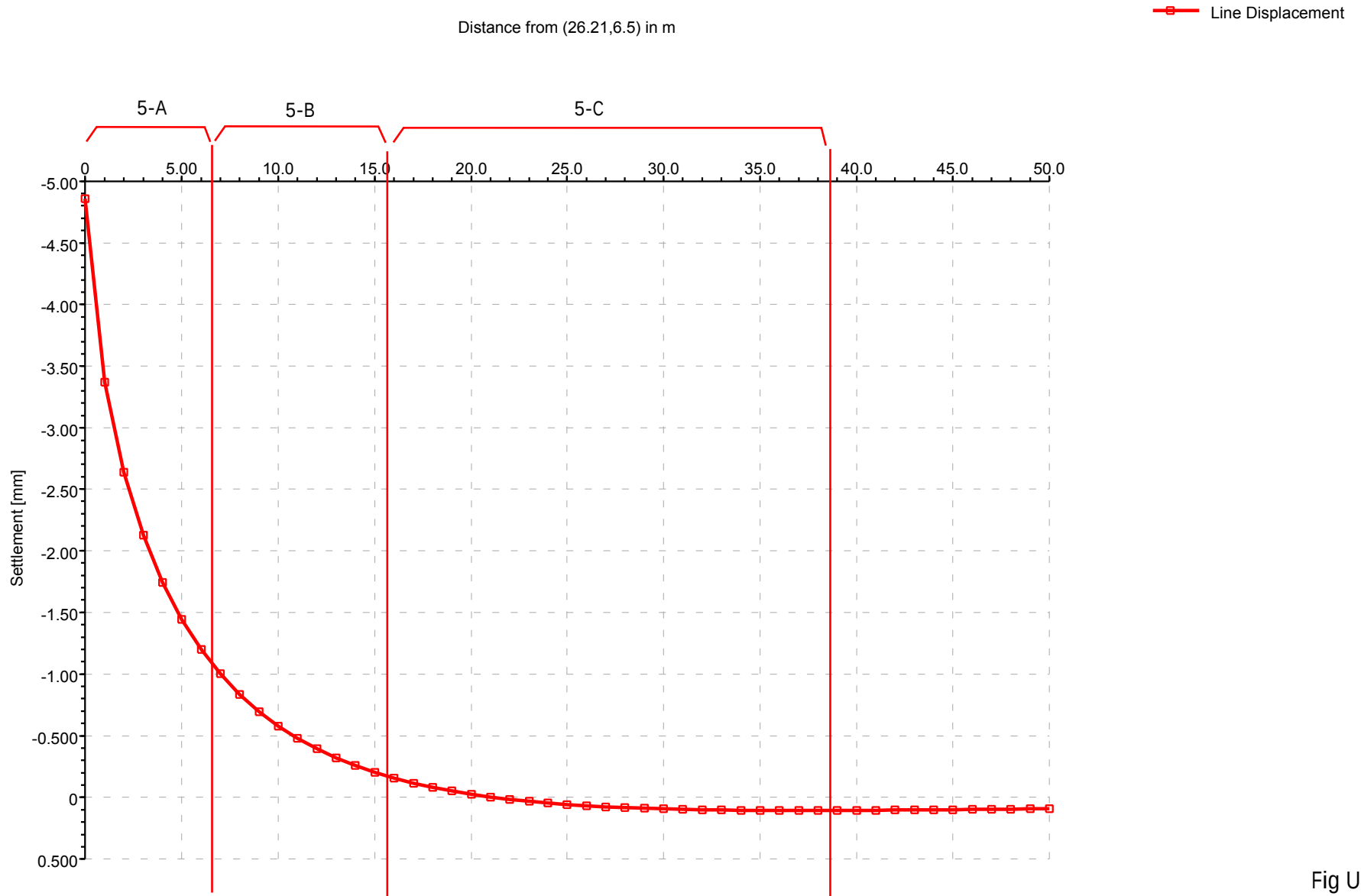


Fig U1-L5

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL		

Displacement for Line 6

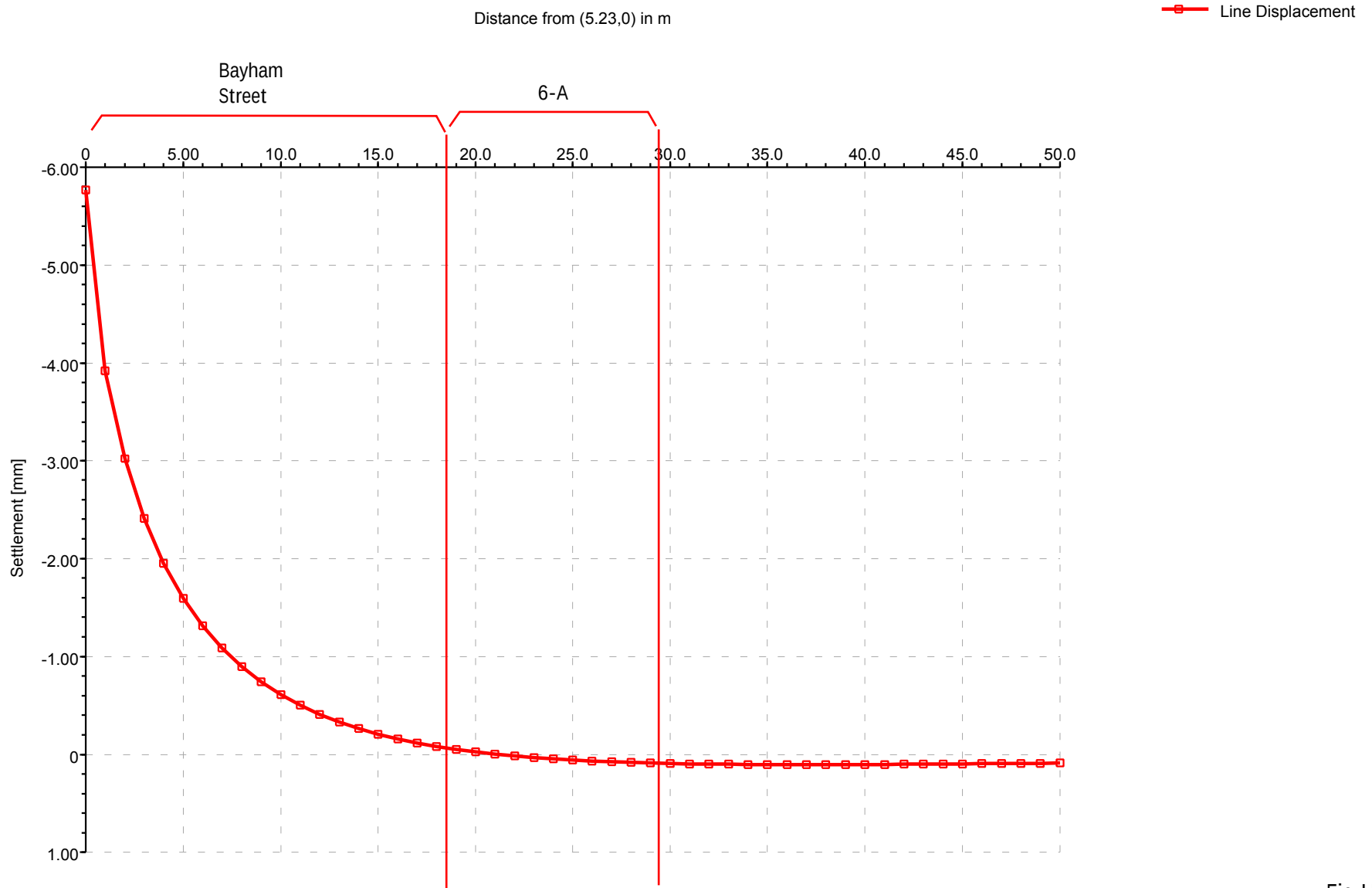


Fig U1-L6



APPENDIX C

Long-Term Vertical Ground Displacements (PDisp)

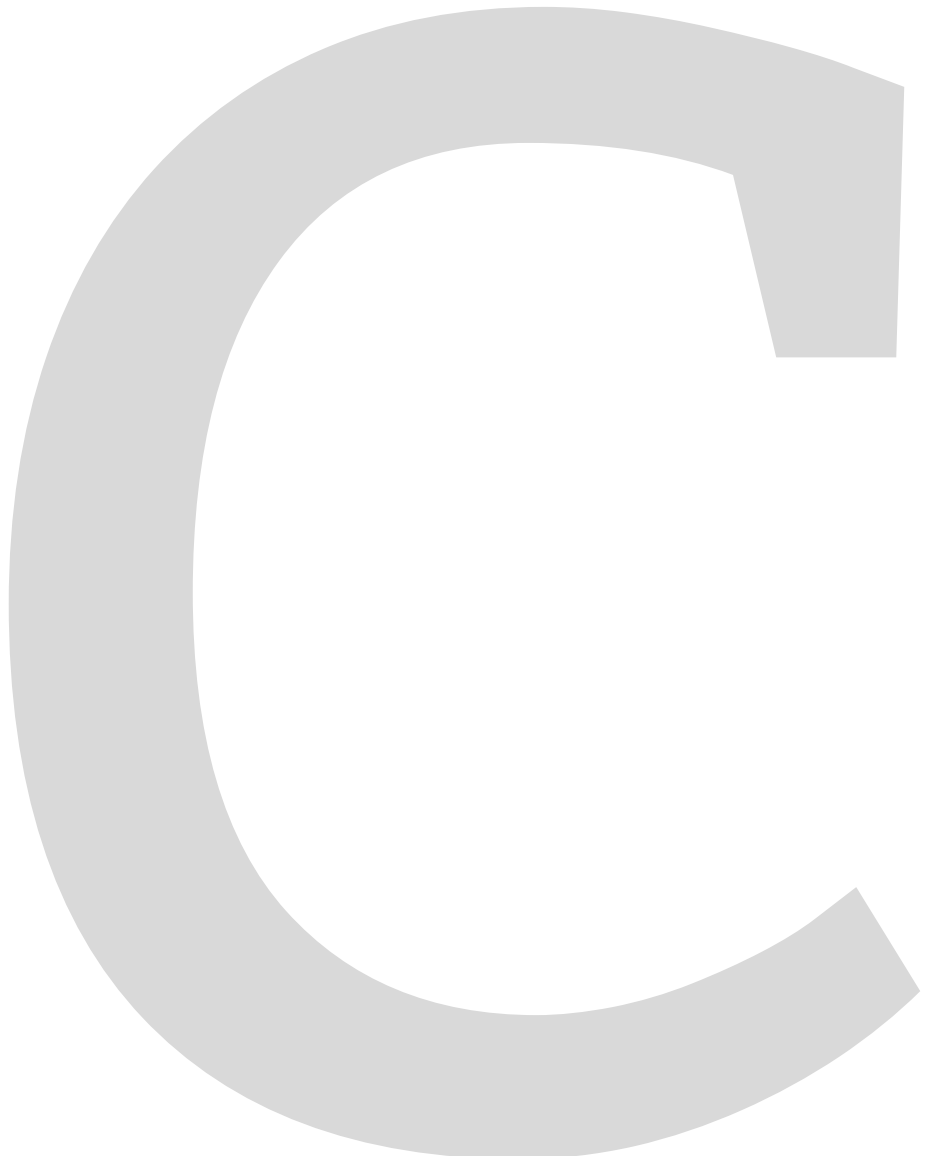


Table 2: Summary of long-term vertical displacements due to net changes in soil loading

Structure reference	Displacement Line	Figure reference ⁽¹⁾	Approx. displacement at elevation closest to basement (mm)	Approx. displacement at elevation furthest from basement (mm)
1-A	Line 1	V1-L1	9.95 (heave)	3.48 (heave)
1-B			3.48 (heave)	1.55 (heave)
1-C			1.55 (heave)	0.50 (heave)
Bayham Place			0.50 (heave)	0.27 (heave)
1-D			0.27 (heave)	0.87 (heave)
2-A	Line 2	V1-L2	12.20 (heave)	0.62 (heave)
Bayham Place			0.62 (heave)	0.35 (heave)
2-B			0.35 (heave)	0.10 (heave)
3-A	Line 3	V1-L3	14.00 (heave)	5.37 (heave)
3-B			5.37 (heave)	2.90 (heave)
3-C			2.90 (heave)	1.02 (heave)
3-D			1.02 (heave)	0.31 (heave)
3-E			0.31 (heave)	0.06 (heave)
4-A	Line 4	V1-L4	11.3 (heave)	3.25 (heave)
4-B			3.25 (heave)	1.37 (heave)

Structure reference	Displacement Line	Figure reference ⁽¹⁾	Approx. displacement at elevation closest to basement (mm)	Approx. displacement at elevation furthest from basement (mm)
4-C			1.37 (heave)	0.80 (heave)
4-D			0.80 (heave)	0.02 (heave)
5-A	Line 5	V1-L5	8.31 (heave)	2.45 (heave)
5-B			2.45 (heave)	0.80 (heave)
5-C			0.80 (heave)	0.04 (heave)
Bayham Street	Line 6	V1-L6	9.61 (heave)	0.53 (heave)
6-A			0.53 (heave)	0.14 (heave)

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Made by TRL	Date	Checked

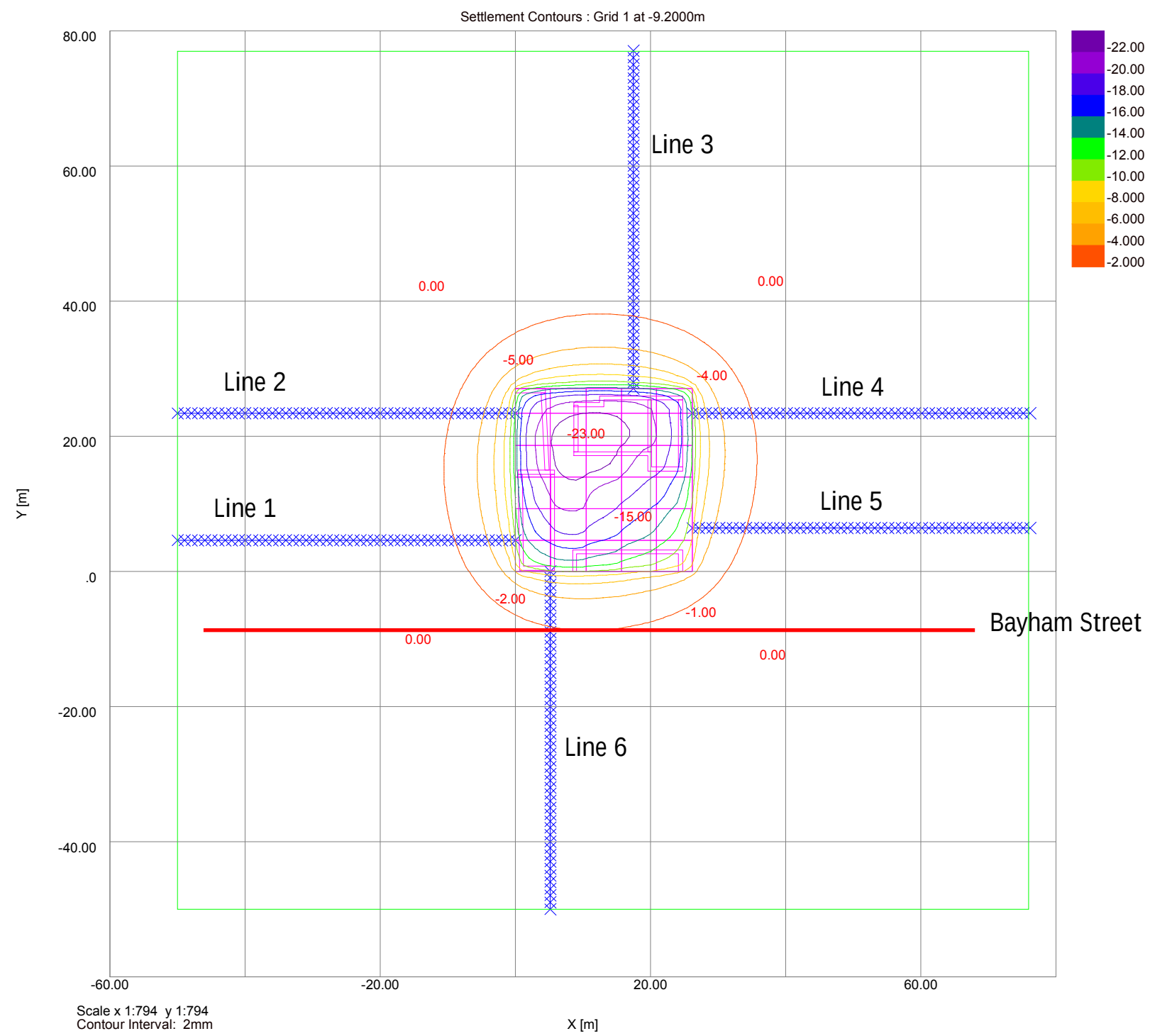


Fig V1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 1

Distance from (0,4.65) in m

— Line Displacement

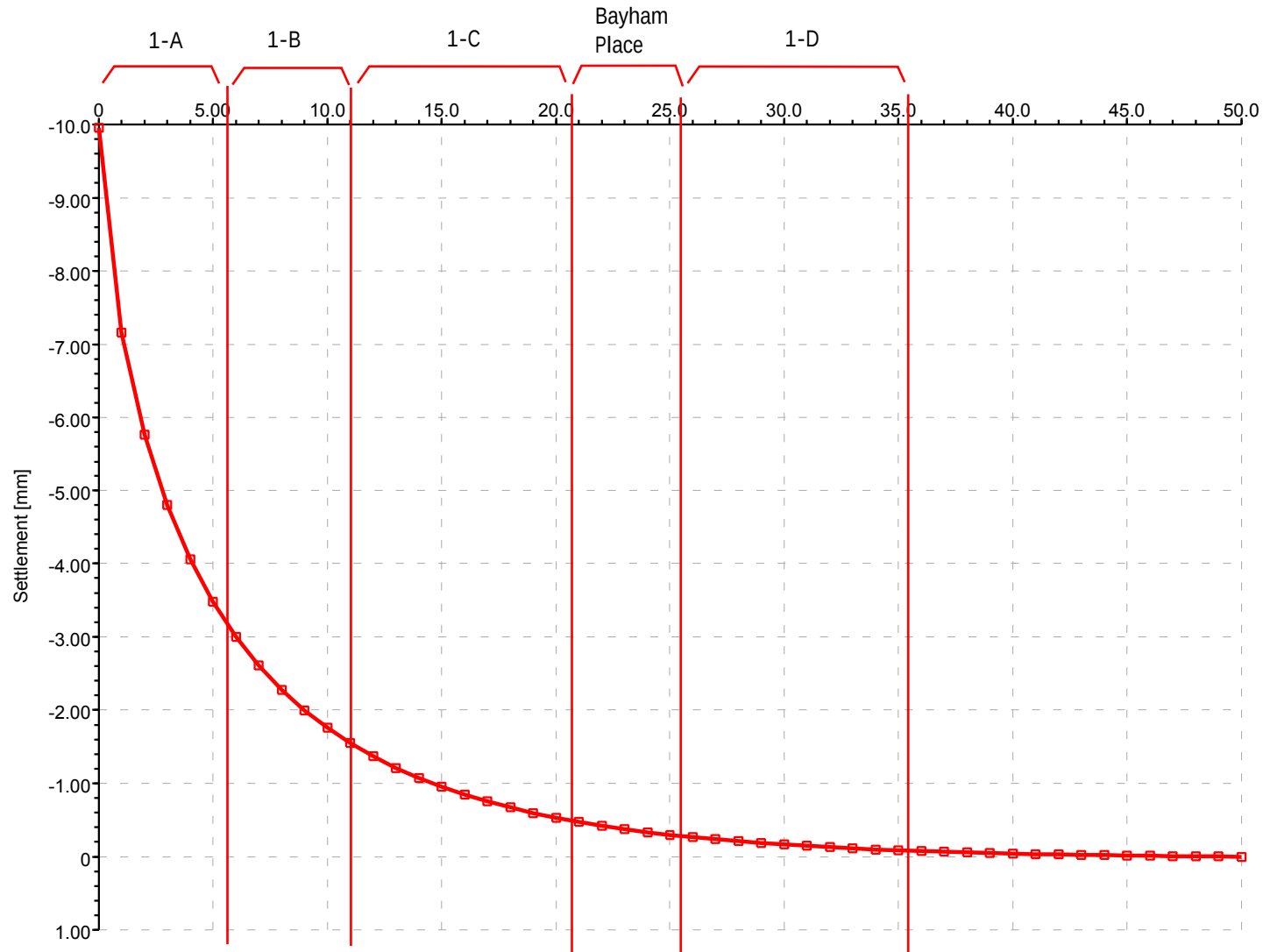


Fig V1-L1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 2

Distance from (0,23.42) in m

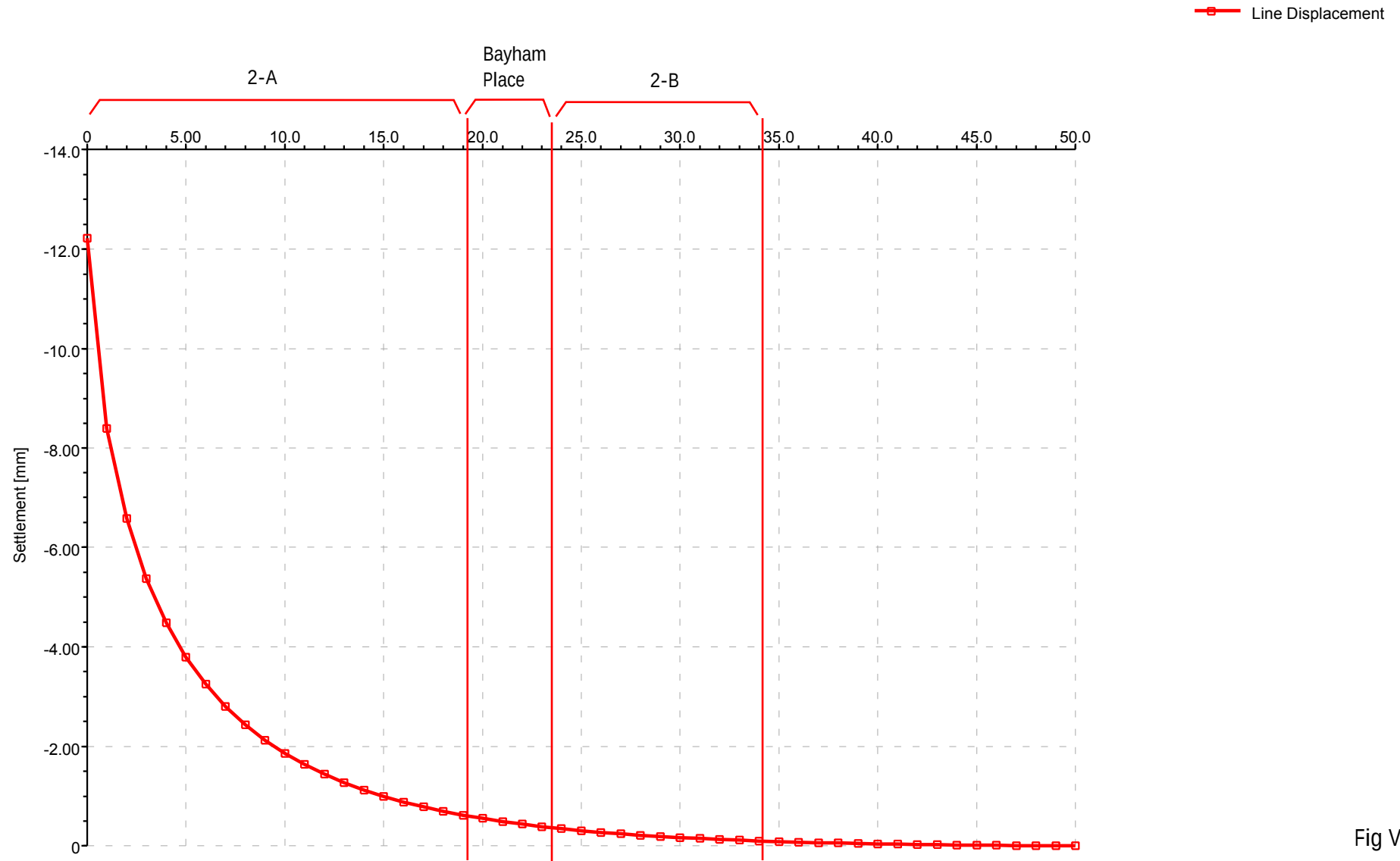


Fig V1-L2

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 3

Distance from (17.5,27.09) in m

— Line Displacement

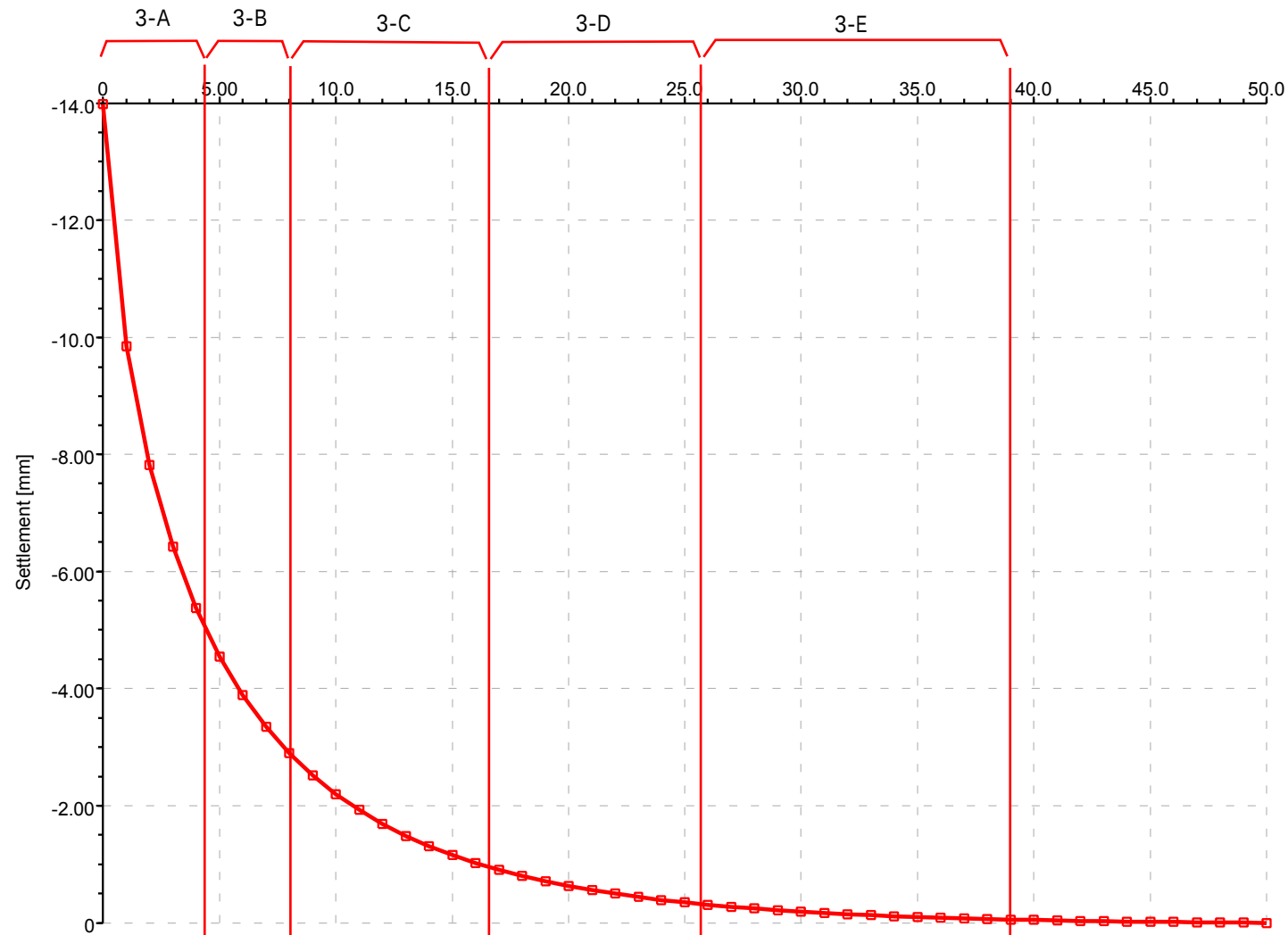


Fig V1-L3



Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 4

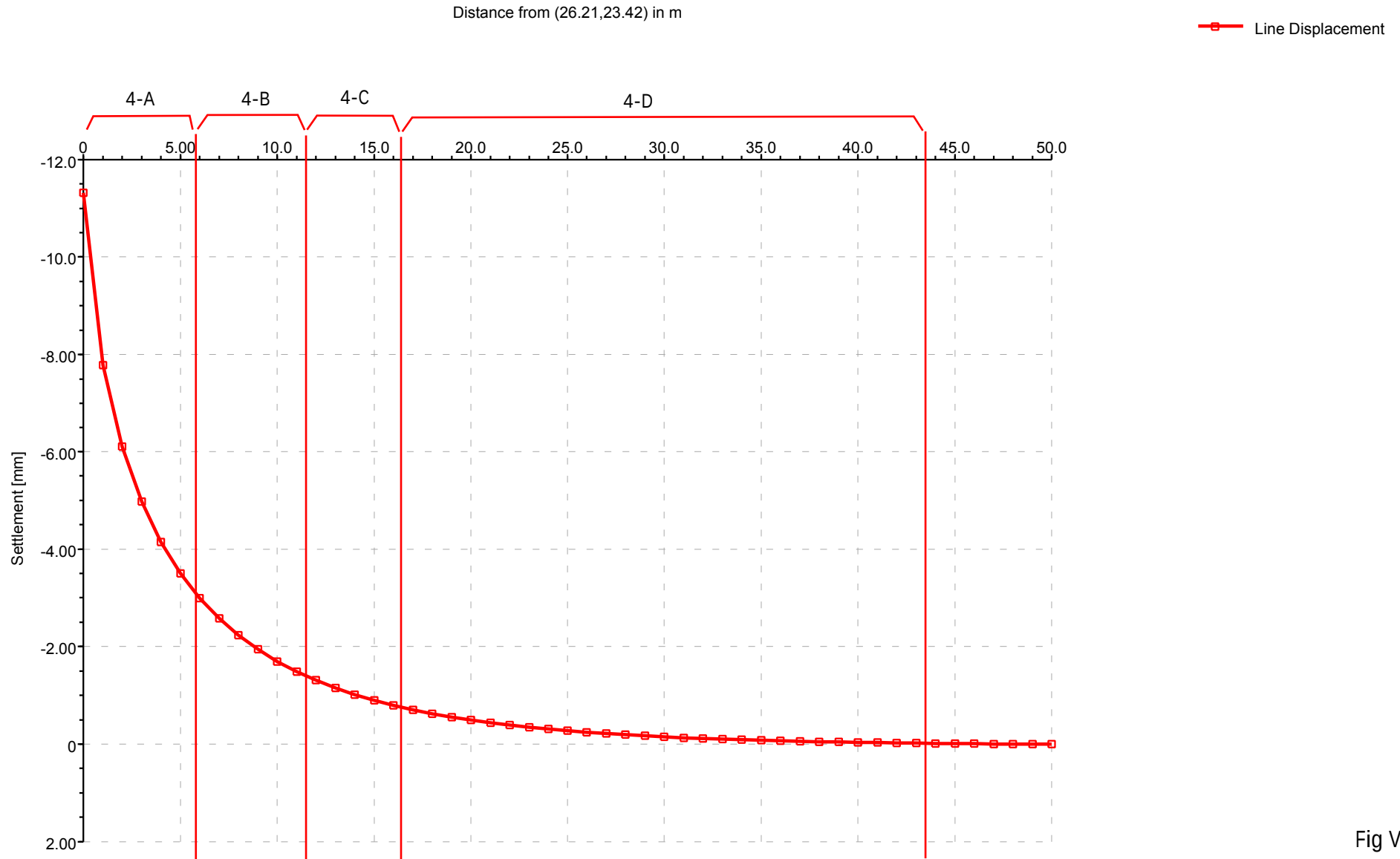


Fig V1-L4



7 ABC Bayham Street
London NW1 0EY
V1 - Drained Movements

SOUTHERN TESTING LABORATORIES

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 5

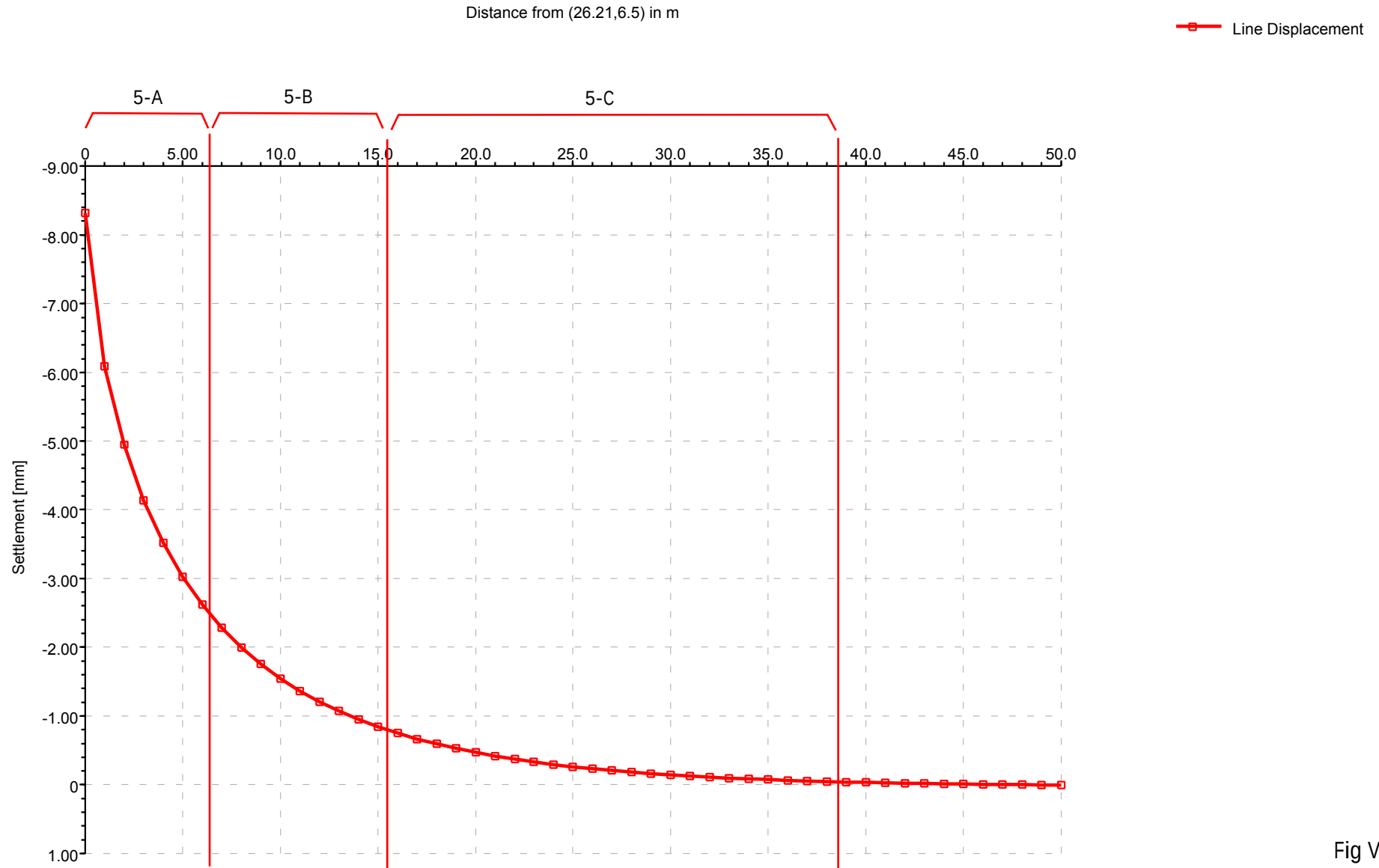


Fig V1-L5

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date	Checked

Displacement for Line 6

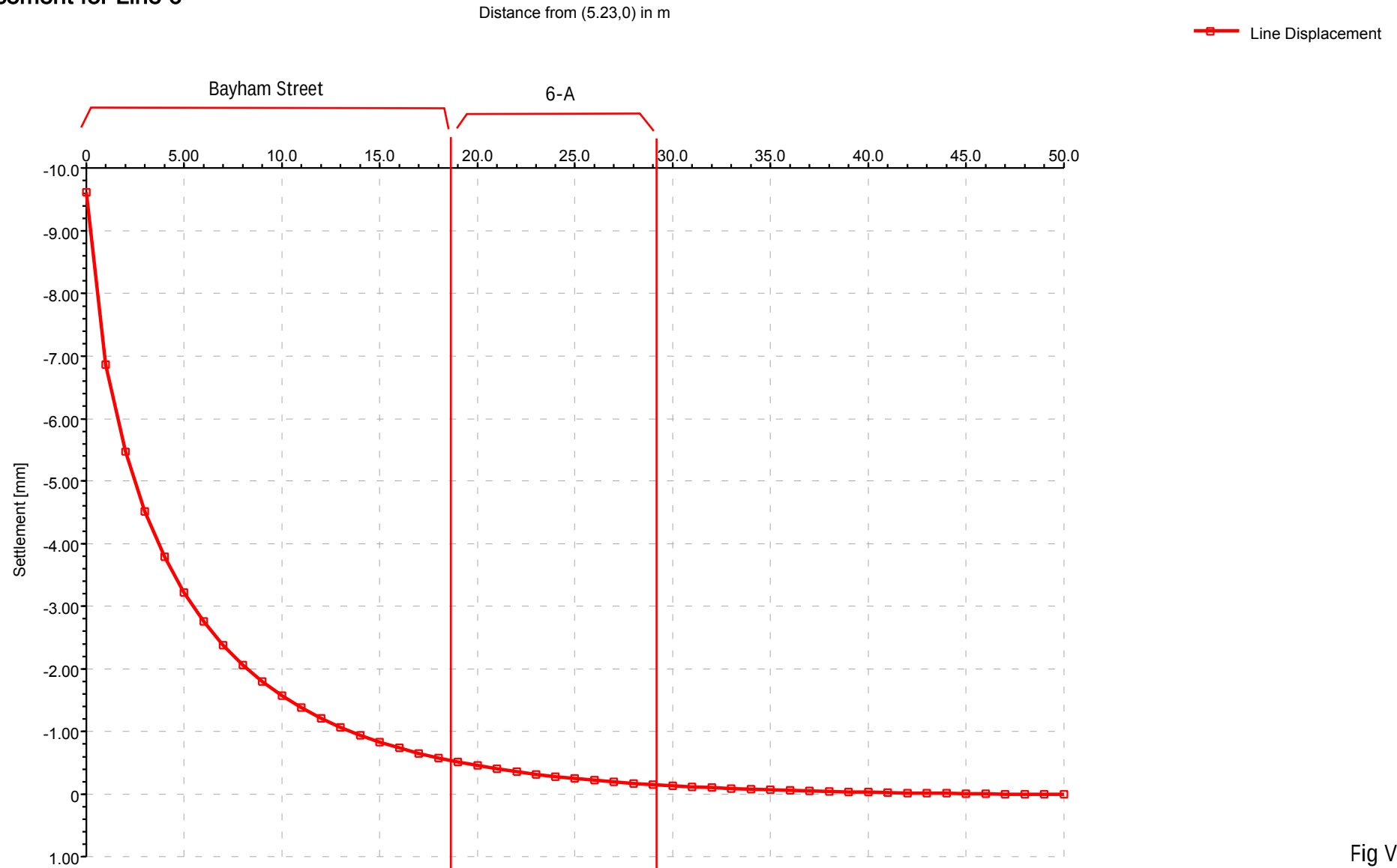


Fig V1-L6



APPENDIX D

Short-term Total Ground Displacements (XDisp)



D

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 1: Line 1

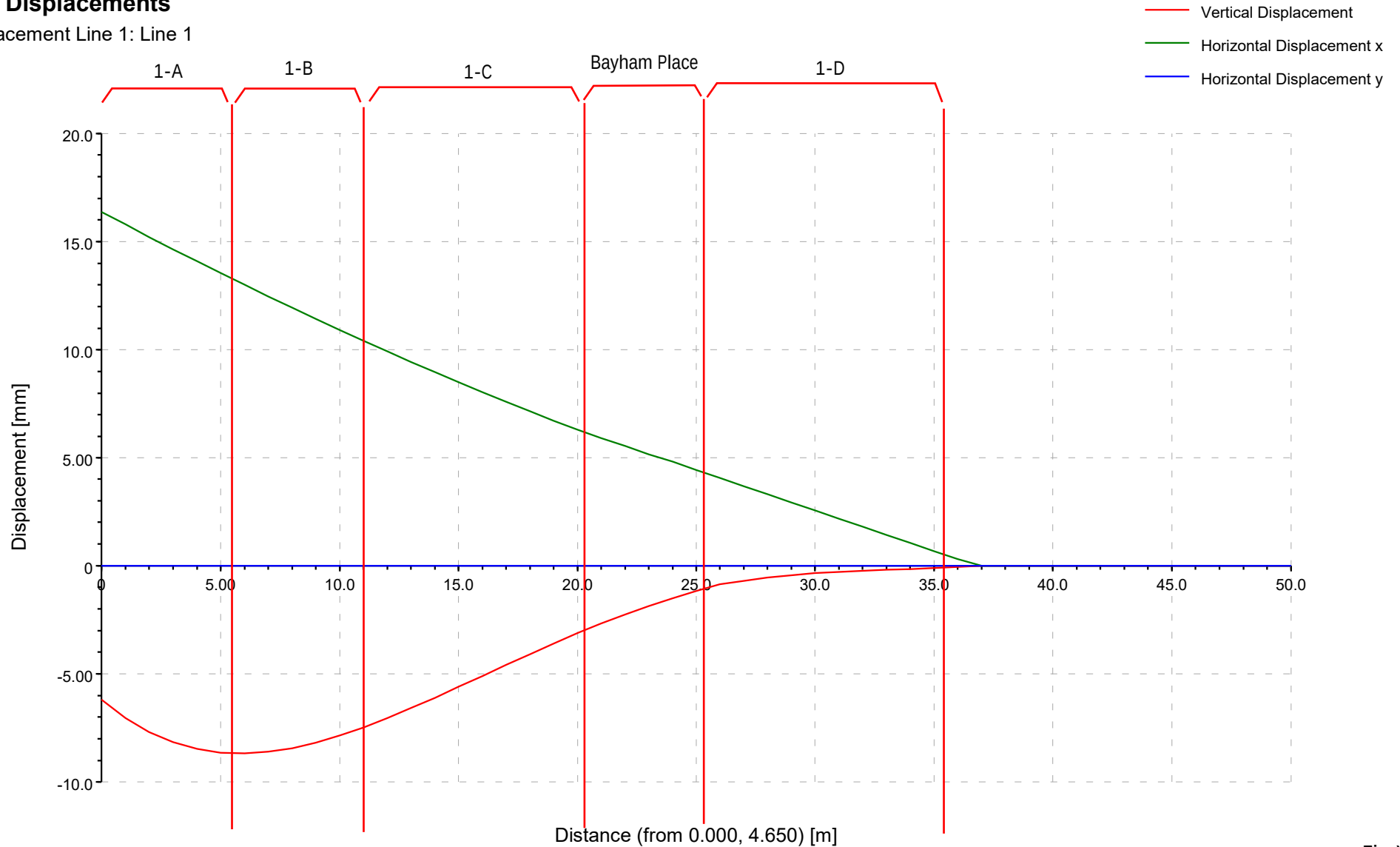


Fig X1-L1



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 2: Line 2

2-A

Bayham
Place

2-B

- Vertical Displacement
- Horizontal Displacement x
- Horizontal Displacement y

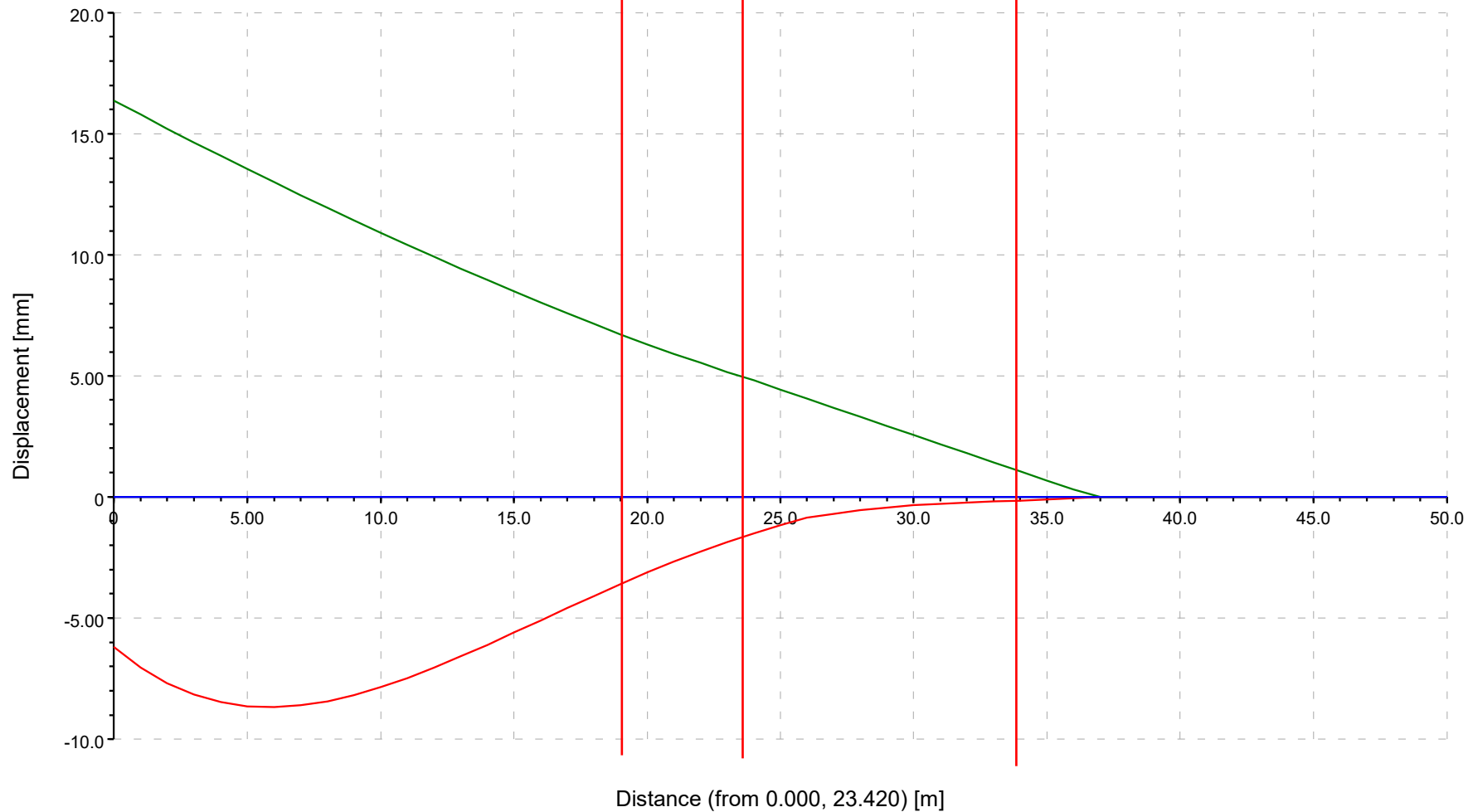


Fig X1-L2

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

Line Displacements

Displacement Line 3: Line 3

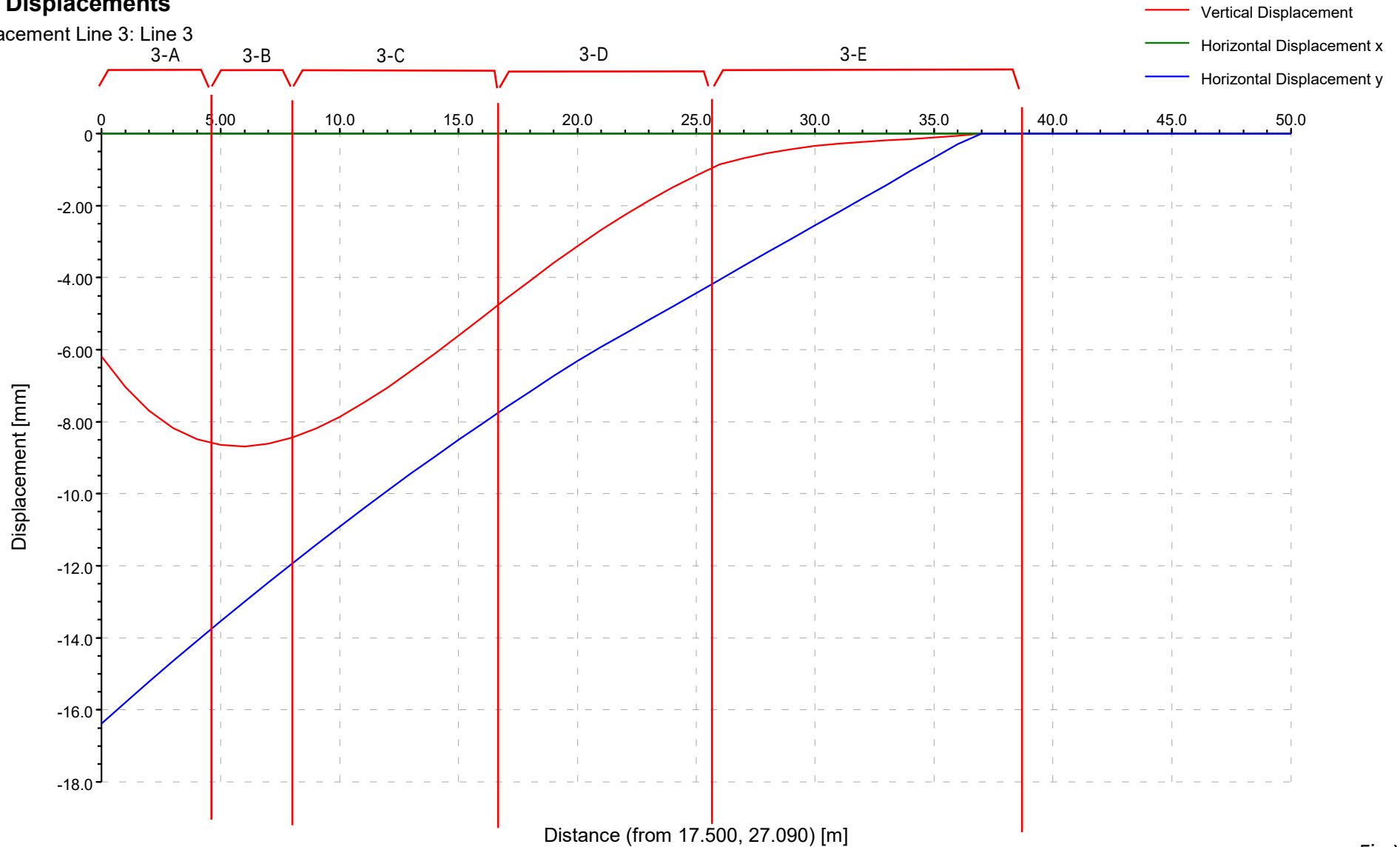


Fig X1-L3

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 4: Line 4

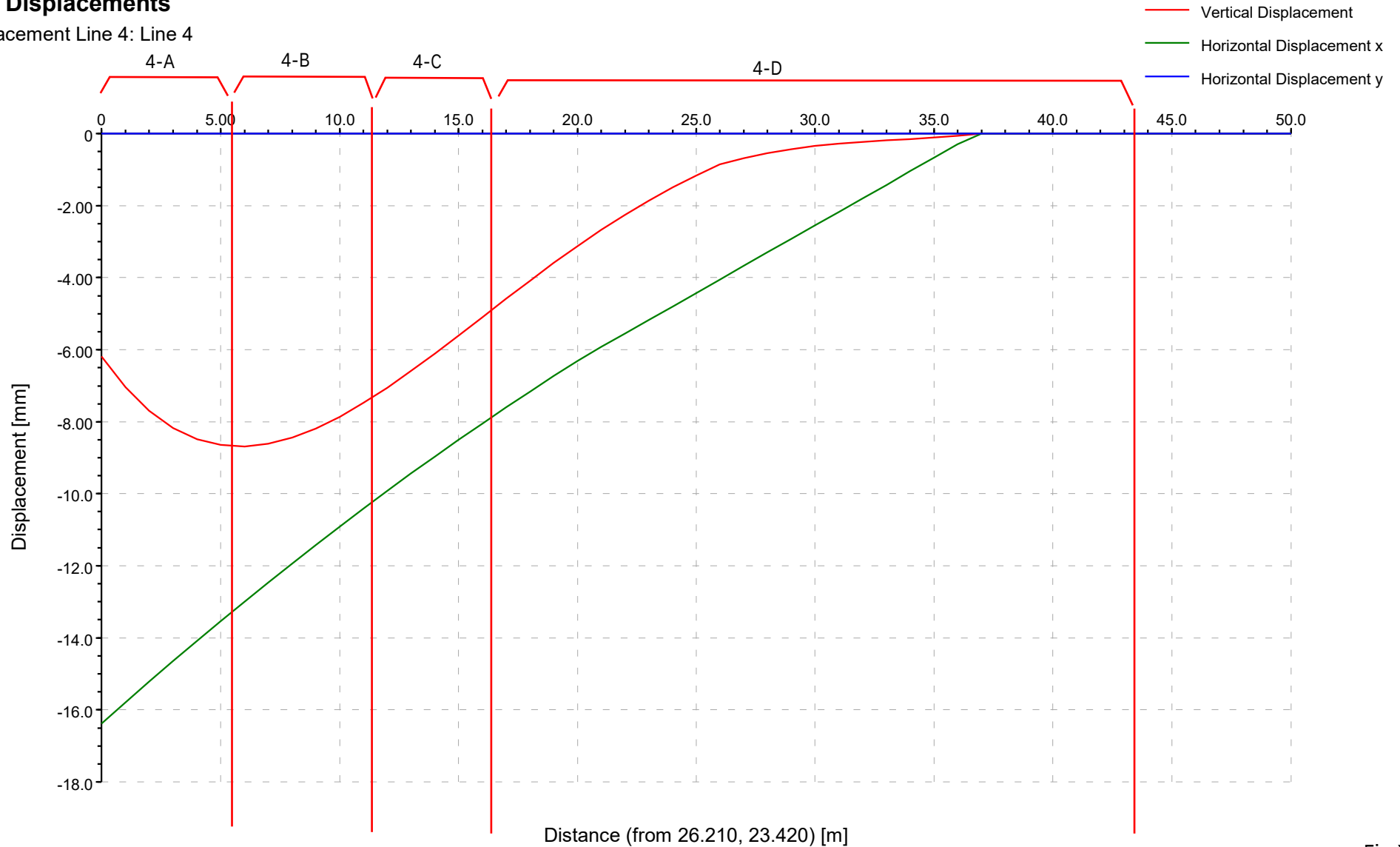


Fig X1-L4

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 5: Line 5

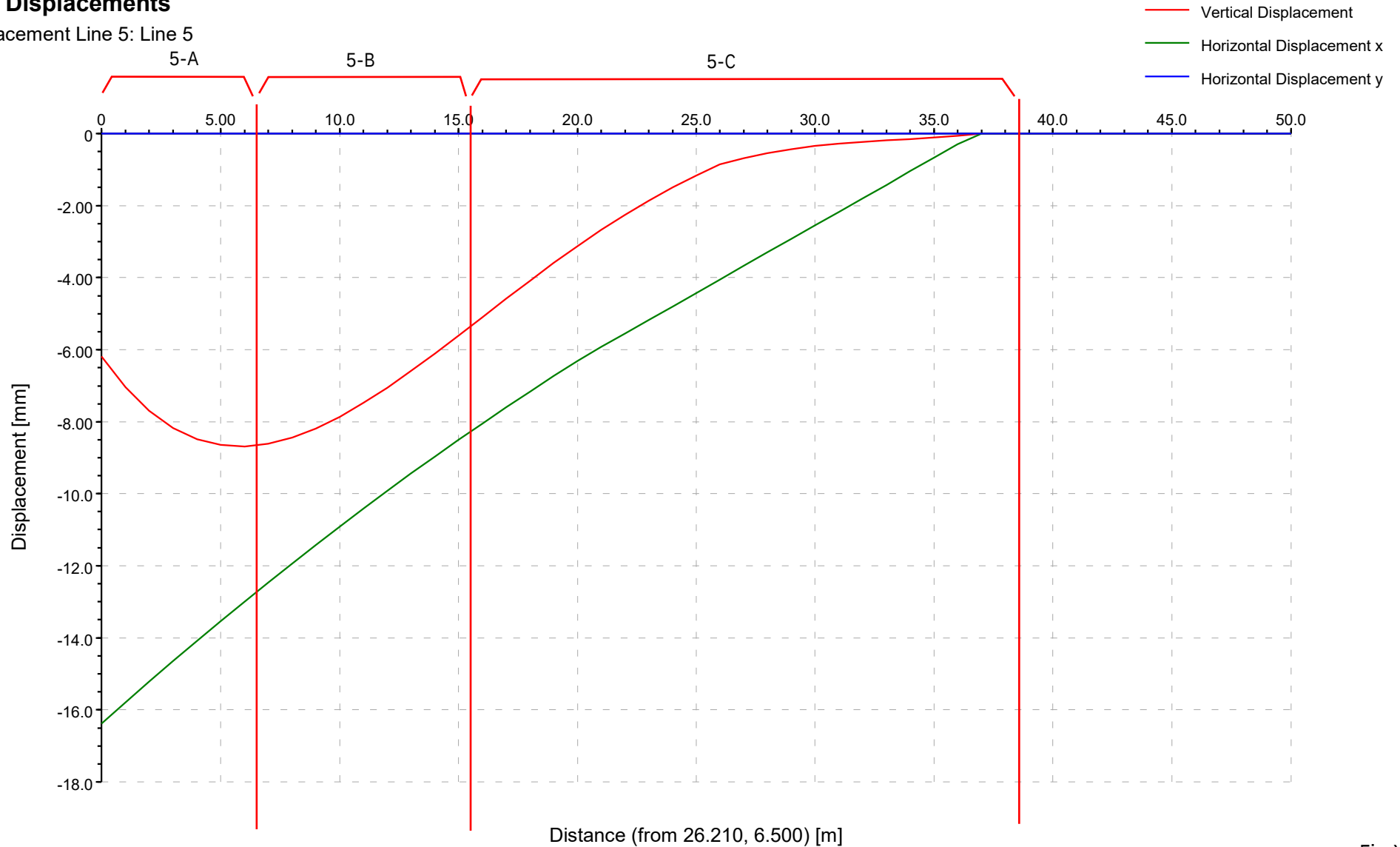


Fig X1-L5



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 6: Line 6

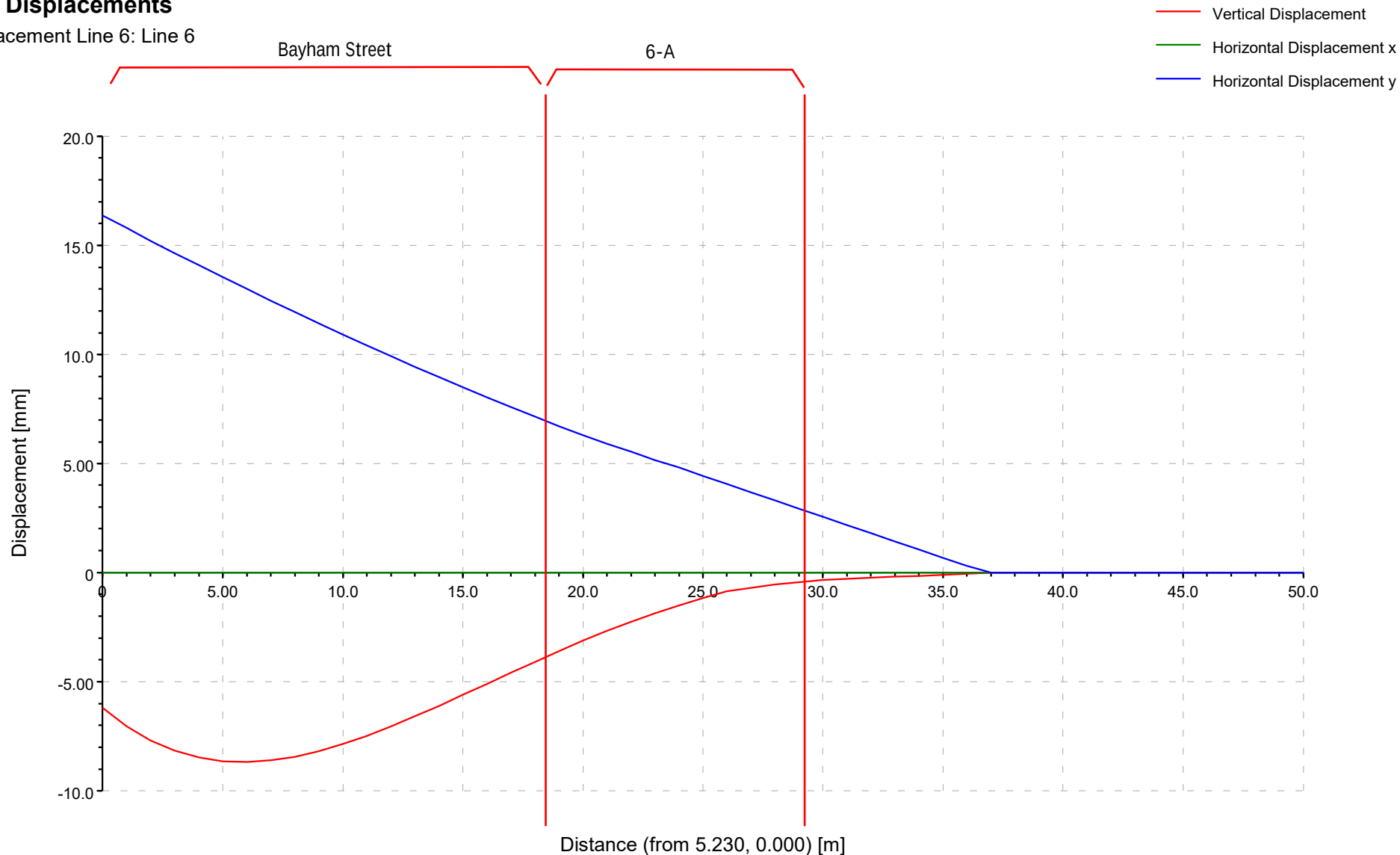


Fig X1-L6



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
						line	to line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377	0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793	0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217	0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650	0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091	0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541	0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999	0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465	0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423	0.0
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915	0.0
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416	0.0
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245	0.0
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417	0.0
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675	0.0
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017	0.0
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443	0.0
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954	0.0
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550	0.0
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377	0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793	0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217	0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650	0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091	0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541	0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999	0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465	0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423	0.0
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915	0.0
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416	0.0
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245	0.0
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417	0.0
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675	0.0
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017	0.0
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443	0.0
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954	0.0
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550	0.0
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
					Line	to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377 0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793 0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217 0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650 0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091 0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541 0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999 0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465 0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940 0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423 0.0
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915 0.0
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416 0.0
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245 0.0
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417 0.0
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675 0.0
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017 0.0
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443 0.0
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954 0.0
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550 0.0
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231 0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000 0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250 0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500 0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750 0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000 0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250 0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500 0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750 0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000 0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250 0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500 0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750 0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000 0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250 0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500 0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500 0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000 0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0 0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377 0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793 0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217 0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650 0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091 0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541 0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999 0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465 0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940 0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423 0.0
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915 0.0
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416 0.0
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245 0.0
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417 0.0
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675 0.0
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017 0.0
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443 0.0
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954 0.0
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550 0.0
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231 0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000 0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250 0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500 0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750 0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000 0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250 0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500 0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750 0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000 0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250 0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500 0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750 0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000 0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250 0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500 0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500 0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000 0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0 0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0 0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	23.42000	0.00000	16.377	0.0	-16.377 0.0
1.0000	-1.00000	23.42000	0.00000	15.793	0.0	-15.793 0.0
2.0000	-2.00000	23.42000	0.00000	15.217	0.0	-15.217 0.0
3.0000	-3.00000	23.42000	0.00000	14.650	0.0	-14.650 0.0
4.0000	-4.00000	23.42000	0.00000	14.091	0.0	-14.091 0.0
5.0000	-5.00000	23.42000	0.00000	13.541	0.0	-13.541 0.0
6.0000	-6.00000	23.42000	0.00000	12.999	0.0	-12.999 0.0
7.0000	-7.00000	23.42000	0.00000	12.465	0.0	-12.465 0.0
8.0000	-8.00000	23.42000	0.00000	11.940	0.0	-11.940 0.0
9.0000	-9.00000	23.42000	0.00000	11.423	0.0	-11.423 0.0
10.000	-10.00000	23.42000	0.00000	10.915	0.0	-10.915 0.0
11.000	-11.00000	23.42000	0.00000	10.416	0.0	-10.416 0.0
12.000	-12.00000	23.42000	0.00000	9.9245	0.0	-9.9245 0.0
13.000	-13.00000	23.42000	0.00000	9.4417	0.0	-9.4417 0.0
14.000	-14.00000	23.42000	0.00000	8.9675	0.0	-8.9675 0.0
15.000	-15.00000	23.42000	0.00000	8.5017	0.0	-8.5017 0.0
16.000	-16.00000	23.42000	0.00000	8.0443	0.0	-8.0443 0.0
17.000	-17.00000	23.42000	0.00000	7.5954	0.0	-7.5954 0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the	Horizontal displacement perpendicular
18.000	-18.00000	23.42000	0.00000	7.1550	0.0
19.000	-19.00000	23.42000	0.00000	6.7231	0.0
20.000	-20.00000	23.42000	0.00000	6.3000	0.0
21.000	-21.00000	23.42000	0.00000	5.9250	0.0
22.000	-22.00000	23.42000	0.00000	5.5500	0.0
23.000	-23.00000	23.42000	0.00000	5.1750	0.0
24.000	-24.00000	23.42000	0.00000	4.8000	0.0
25.000	-25.00000	23.42000	0.00000	4.4250	0.0
26.000	-26.00000	23.42000	0.00000	4.0500	0.0
27.000	-27.00000	23.42000	0.00000	3.6750	0.0
28.000	-28.00000	23.42000	0.00000	3.3000	0.0
29.000	-29.00000	23.42000	0.00000	2.9250	0.0
30.000	-30.00000	23.42000	0.00000	2.5500	0.0
31.000	-31.00000	23.42000	0.00000	2.1750	0.0
32.000	-32.00000	23.42000	0.00000	1.8000	0.0
33.000	-33.00000	23.42000	0.00000	1.4250	0.0
34.000	-34.00000	23.42000	0.00000	1.0500	0.0
35.000	-35.00000	23.42000	0.00000	0.67500	0.0
36.000	-36.00000	23.42000	0.00000	0.30000	0.0
37.000	-37.00000	23.42000	0.00000	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]
0.0	0.00000	23.42000	0.00000	16.377	0.0
1.0000	-1.00000	23.42000	0.00000	15.793	0.0
2.0000	-2.00000	23.42000	0.00000	15.217	0.0
3.0000	-3.00000	23.42000	0.00000	14.650	0.0
4.0000	-4.00000	23.42000	0.00000	14.091	0.0
5.0000	-5.00000	23.42000	0.00000	13.541	0.0
6.0000	-6.00000	23.42000	0.00000	12.999	0.0
7.0000	-7.00000	23.42000	0.00000	12.465	0.0
8.0000	-8.00000	23.42000	0.00000	11.940	0.0
9.0000	-9.00000	23.42000	0.00000	11.423	0.0
10.000	-10.00000	23.42000	0.00000	10.915	0.0
11.000	-11.00000	23.42000	0.00000	10.416	0.0
12.000	-12.00000	23.42000	0.00000	9.9245	0.0
13.000	-13.00000	23.42000	0.00000	9.4417	0.0
14.000	-14.00000	23.42000	0.00000	8.9675	0.0
15.000	-15.00000	23.42000	0.00000	8.5017	0.0
16.000	-16.00000	23.42000	0.00000	8.0443	0.0
17.000	-17.00000	23.42000	0.00000	7.5954	0.0
18.000	-18.00000	23.42000	0.00000	7.1550	0.0
19.000	-19.00000	23.42000	0.00000	6.7231	0.0
20.000	-20.00000	23.42000	0.00000	6.3000	0.0
21.000	-21.00000	23.42000	0.00000	5.9250	0.0
22.000	-22.00000	23.42000	0.00000	5.5500	0.0
23.000	-23.00000	23.42000	0.00000	5.1750	0.0
24.000	-24.00000	23.42000	0.00000	4.8000	0.0
25.000	-25.00000	23.42000	0.00000	4.4250	0.0
26.000	-26.00000	23.42000	0.00000	4.0500	0.0
27.000	-27.00000	23.42000	0.00000	3.6750	0.0
28.000	-28.00000	23.42000	0.00000	3.3000	0.0
29.000	-29.00000	23.42000	0.00000	2.9250	0.0
30.000	-30.00000	23.42000	0.00000	2.5500	0.0
31.000	-31.00000	23.42000	0.00000	2.1750	0.0
32.000	-32.00000	23.42000	0.00000	1.8000	0.0
33.000	-33.00000	23.42000	0.00000	1.4250	0.0
34.000	-34.00000	23.42000	0.00000	1.0500	0.0
35.000	-35.00000	23.42000	0.00000	0.67500	0.0
36.000	-36.00000	23.42000	0.00000	0.30000	0.0
37.000	-37.00000	23.42000	0.00000	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line to Line
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.0000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.0000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.0000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.0000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line to Line
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.0000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.0000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.0000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.0000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-D | Sub-structure:

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377	0.0
1.000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793	0.0
2.000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217	0.0
3.000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650	0.0
4.000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091	0.0
5.000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541	0.0
6.000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999	0.0
7.000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465	0.0
8.000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0
9.000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	5.23000	0.00000	0.00000	0.0	16.377	-16.377	0.0
1.0000	5.23000	-1.00000	0.00000	0.0	15.793	-15.793	0.0
2.0000	5.23000	-2.00000	0.00000	0.0	15.217	-15.217	0.0
3.0000	5.23000	-3.00000	0.00000	0.0	14.650	-14.650	0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
4.0000	5.23000	-4.00000	0.00000	0.0	14.091	-14.091
5.0000	5.23000	-5.00000	0.00000	0.0	13.541	-13.541
6.0000	5.23000	-6.00000	0.00000	0.0	12.999	-12.999
7.0000	5.23000	-7.00000	0.00000	0.0	12.465	-12.465
8.0000	5.23000	-8.00000	0.00000	0.0	11.940	-11.940
9.0000	5.23000	-9.00000	0.00000	0.0	11.423	-11.423
10.000	5.23000	-10.00000	0.00000	0.0	10.915	-10.915
11.000	5.23000	-11.00000	0.00000	0.0	10.416	-10.416
12.000	5.23000	-12.00000	0.00000	0.0	9.9245	-9.9245
13.000	5.23000	-13.00000	0.00000	0.0	9.4417	-9.4417
14.000	5.23000	-14.00000	0.00000	0.0	8.9675	-8.9675
15.000	5.23000	-15.00000	0.00000	0.0	8.5017	-8.5017
16.000	5.23000	-16.00000	0.00000	0.0	8.0443	-8.0443
17.000	5.23000	-17.00000	0.00000	0.0	7.5954	-7.5954
18.000	5.23000	-18.00000	0.00000	0.0	7.1550	-7.1550
19.000	5.23000	-19.00000	0.00000	0.0	6.7231	-6.7231
20.000	5.23000	-20.00000	0.00000	0.0	6.3000	-6.3000
21.000	5.23000	-21.00000	0.00000	0.0	5.9250	-5.9250
22.000	5.23000	-22.00000	0.00000	0.0	5.5500	-5.5500
23.000	5.23000	-23.00000	0.00000	0.0	5.1750	-5.1750
24.000	5.23000	-24.00000	0.00000	0.0	4.8000	-4.8000
25.000	5.23000	-25.00000	0.00000	0.0	4.4250	-4.4250
26.000	5.23000	-26.00000	0.00000	0.0	4.0500	-4.0500
27.000	5.23000	-27.00000	0.00000	0.0	3.6750	-3.6750
28.000	5.23000	-28.00000	0.00000	0.0	3.3000	-3.3000
29.000	5.23000	-29.00000	0.00000	0.0	2.9250	-2.9250
30.000	5.23000	-30.00000	0.00000	0.0	2.5500	-2.5500
31.000	5.23000	-31.00000	0.00000	0.0	2.1750	-2.1750
32.000	5.23000	-32.00000	0.00000	0.0	1.8000	-1.8000
33.000	5.23000	-33.00000	0.00000	0.0	1.4250	-1.4250
34.000	5.23000	-34.00000	0.00000	0.0	1.0500	-1.0500
35.000	5.23000	-35.00000	0.00000	0.0	0.67500	-0.67500
36.000	5.23000	-36.00000	0.00000	0.0	0.30000	-0.30000
37.000	5.23000	-37.00000	0.00000	0.0	0.0	0.0
38.000	5.23000	-38.00000	0.00000	0.0	0.0	0.0
39.000	5.23000	-39.00000	0.00000	0.0	0.0	0.0
40.000	5.23000	-40.00000	0.00000	0.0	0.0	0.0
41.000	5.23000	-41.00000	0.00000	0.0	0.0	0.0
42.000	5.23000	-42.00000	0.00000	0.0	0.0	0.0
43.000	5.23000	-43.00000	0.00000	0.0	0.0	0.0
44.000	5.23000	-44.00000	0.00000	0.0	0.0	0.0
45.000	5.23000	-45.00000	0.00000	0.0	0.0	0.0
46.000	5.23000	-46.00000	0.00000	0.0	0.0	0.0
47.000	5.23000	-47.00000	0.00000	0.0	0.0	0.0
48.000	5.23000	-48.00000	0.00000	0.0	0.0	0.0
49.000	5.23000	-49.00000	0.00000	0.0	0.0	0.0
50.000	5.23000	-50.00000	0.00000	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements	
	x [m]	y [m]	z [m]	z [mm]	
21.000	-21.00000	4.65000	0.00000	2.6758	
22.000	-22.00000	4.65000	0.00000	2.2533	
23.000	-23.00000	4.65000	0.00000	1.8594	
24.000	-24.00000	4.65000	0.00000	1.4958	
25.000	-25.00000	4.65000	0.00000	1.1635	
26.000	-26.00000	4.65000	0.00000	0.86297	
27.000	-27.00000	4.65000	0.00000	0.69343	
28.000	-28.00000	4.65000	0.00000	0.55351	
29.000	-29.00000	4.65000	0.00000	0.44100	
30.000	-30.00000	4.65000	0.00000	0.35286	
31.000	-31.00000	4.65000	0.00000	0.28522	
32.000	-32.00000	4.65000	0.00000	0.23343	
33.000	-33.00000	4.65000	0.00000	0.19200	
34.000	-34.00000	4.65000	0.00000	0.15463	
35.000	-35.00000	4.65000	0.00000	0.11420	
36.000	-36.00000	4.65000	0.00000	0.062791	
37.000	-37.00000	4.65000	0.00000	0.0	
38.000	-38.00000	4.65000	0.00000	0.0	
39.000	-39.00000	4.65000	0.00000	0.0	
40.000	-40.00000	4.65000	0.00000	0.0	
41.000	-41.00000	4.65000	0.00000	0.0	
42.000	-42.00000	4.65000	0.00000	0.0	
43.000	-43.00000	4.65000	0.00000	0.0	
44.000	-44.00000	4.65000	0.00000	0.0	
45.000	-45.00000	4.65000	0.00000	0.0	
46.000	-46.00000	4.65000	0.00000	0.0	
47.000	-47.00000	4.65000	0.00000	0.0	
48.000	-48.00000	4.65000	0.00000	0.0	
49.000	-49.00000	4.65000	0.00000	0.0	
50.000	-50.00000	4.65000	0.00000	0.0	

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	6.1871
1.0000	-1.00000	23.42000	0.00000	7.0381
2.0000	-2.00000	23.42000	0.00000	7.6903
3.0000	-3.00000	23.42000	0.00000	8.1628
4.0000	-4.00000	23.42000	0.00000	8.4736
5.0000	-5.00000	23.42000	0.00000	8.6401
6.0000	-6.00000	23.42000	0.00000	8.6789
7.0000	-7.00000	23.42000	0.00000	8.6057
8.0000	-8.00000	23.42000	0.00000	8.4353
9.0000	-9.00000	23.42000	0.00000	8.1818
10.000	-10.00000	23.42000	0.00000	7.8586
11.000	-11.00000	23.42000	0.00000	7.4780
12.000	-12.00000	23.42000	0.00000	7.0518
13.000	-13.00000	23.42000	0.00000	6.5906
14.000	-14.00000	23.42000	0.00000	6.1046
15.000	-15.00000	23.42000	0.00000	5.6029
16.000	-16.00000	23.42000	0.00000	5.0940
17.000	-17.00000	23.42000	0.00000	4.5853
18.000	-18.00000	23.42000	0.00000	4.0836
19.000	-19.00000	23.42000	0.00000	3.5948
20.000	-20.00000	23.42000	0.00000	3.1242
21.000	-21.00000	23.42000	0.00000	2.6758
22.000	-22.00000	23.42000	0.00000	2.2533
23.000	-23.00000	23.42000	0.00000	1.8594
24.000	-24.00000	23.42000	0.00000	1.4958
25.000	-25.00000	23.42000	0.00000	1.1635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	6.1871
1.0000	-1.00000	23.42000	0.00000	7.0381
2.0000	-2.00000	23.42000	0.00000	7.6903
3.0000	-3.00000	23.42000	0.00000	8.1628
4.0000	-4.00000	23.42000	0.00000	8.4736
5.0000	-5.00000	23.42000	0.00000	8.6401
6.0000	-6.00000	23.42000	0.00000	8.6789
7.0000	-7.00000	23.42000	0.00000	8.6057
8.0000	-8.00000	23.42000	0.00000	8.4353
9.0000	-9.00000	23.42000	0.00000	8.1818
10.000	-10.00000	23.42000	0.00000	7.8586
11.000	-11.00000	23.42000	0.00000	7.4780
12.000	-12.00000	23.42000	0.00000	7.0518
13.000	-13.00000	23.42000	0.00000	6.5906
14.000	-14.00000	23.42000	0.00000	6.1046
15.000	-15.00000	23.42000	0.00000	5.6029
16.000	-16.00000	23.42000	0.00000	5.0940
17.000	-17.00000	23.42000	0.00000	4.5853
18.000	-18.00000	23.42000	0.00000	4.0836
19.000	-19.00000	23.42000	0.00000	3.5948
20.000	-20.00000	23.42000	0.00000	3.1242
21.000	-21.00000	23.42000	0.00000	2.6758
22.000	-22.00000	23.42000	0.00000	2.2533
23.000	-23.00000	23.42000	0.00000	1.8594
24.000	-24.00000	23.42000	0.00000	1.4958
25.000	-25.00000	23.42000	0.00000	1.1635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242
21.0000	17.50000	48.09000	0.00000	2.6758
22.0000	17.50000	49.09000	0.00000	2.2533
23.0000	17.50000	50.09000	0.00000	1.8594
24.0000	17.50000	51.09000	0.00000	1.4958
25.0000	17.50000	52.09000	0.00000	1.1635
26.0000	17.50000	53.09000	0.00000	0.86297
27.0000	17.50000	54.09000	0.00000	0.69343
28.0000	17.50000	55.09000	0.00000	0.55351
29.0000	17.50000	56.09000	0.00000	0.44100
30.0000	17.50000	57.09000	0.00000	0.35286
31.0000	17.50000	58.09000	0.00000	0.28522
32.0000	17.50000	59.09000	0.00000	0.23343
33.0000	17.50000	60.09000	0.00000	0.19200
34.0000	17.50000	61.09000	0.00000	0.15463
35.0000	17.50000	62.09000	0.00000	0.11420
36.0000	17.50000	63.09000	0.00000	0.062791
37.0000	17.50000	64.09000	0.00000	0.0
38.0000	17.50000	65.09000	0.00000	0.0
39.0000	17.50000	66.09000	0.00000	0.0
40.0000	17.50000	67.09000	0.00000	0.0
41.0000	17.50000	68.09000	0.00000	0.0
42.0000	17.50000	69.09000	0.00000	0.0
43.0000	17.50000	70.09000	0.00000	0.0
44.0000	17.50000	71.09000	0.00000	0.0
45.0000	17.50000	72.09000	0.00000	0.0
46.0000	17.50000	73.09000	0.00000	0.0
47.0000	17.50000	74.09000	0.00000	0.0
48.0000	17.50000	75.09000	0.00000	0.0
49.0000	17.50000	76.09000	0.00000	0.0
50.0000	17.50000	77.09000	0.00000	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242
21.0000	17.50000	48.09000	0.00000	2.6758
22.0000	17.50000	49.09000	0.00000	2.2533
23.0000	17.50000	50.09000	0.00000	1.8594
24.0000	17.50000	51.09000	0.00000	1.4958
25.0000	17.50000	52.09000	0.00000	1.1635
26.0000	17.50000	53.09000	0.00000	0.86297
27.0000	17.50000	54.09000	0.00000	0.69343
28.0000	17.50000	55.09000	0.00000	0.55351
29.0000	17.50000	56.09000	0.00000	0.44100
30.0000	17.50000	57.09000	0.00000	0.35286
31.0000	17.50000	58.09000	0.00000	0.28522
32.0000	17.50000	59.09000	0.00000	0.23343
33.0000	17.50000	60.09000	0.00000	0.19200
34.0000	17.50000	61.09000	0.00000	0.15463
35.0000	17.50000	62.09000	0.00000	0.11420
36.0000	17.50000	63.09000	0.00000	0.062791
37.0000	17.50000	64.09000	0.00000	0.0
38.0000	17.50000	65.09000	0.00000	0.0
39.0000	17.50000	66.09000	0.00000	0.0
40.0000	17.50000	67.09000	0.00000	0.0
41.0000	17.50000	68.09000	0.00000	0.0
42.0000	17.50000	69.09000	0.00000	0.0
43.0000	17.50000	70.09000	0.00000	0.0
44.0000	17.50000	71.09000	0.00000	0.0
45.0000	17.50000	72.09000	0.00000	0.0
46.0000	17.50000	73.09000	0.00000	0.0
47.0000	17.50000	74.09000	0.00000	0.0
48.0000	17.50000	75.09000	0.00000	0.0
49.0000	17.50000	76.09000	0.00000	0.0
50.0000	17.50000	77.09000	0.00000	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-D | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.000	17.50000	37.09000	0.00000	7.8586
11.000	17.50000	38.09000	0.00000	7.4780
12.000	17.50000	39.09000	0.00000	7.0518
13.000	17.50000	40.09000	0.00000	6.5906
14.000	17.50000	41.09000	0.00000	6.1046
15.000	17.50000	42.09000	0.00000	5.6029
16.000	17.50000	43.09000	0.00000	5.0940
17.000	17.50000	44.09000	0.00000	4.5853
18.000	17.50000	45.09000	0.00000	4.0836
19.000	17.50000	46.09000	0.00000	3.5948
20.000	17.50000	47.09000	0.00000	3.1242
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.000	17.50000	37.09000	0.00000	7.8586
11.000	17.50000	38.09000	0.00000	7.4780
12.000	17.50000	39.09000	0.00000	7.0518
13.000	17.50000	40.09000	0.00000	6.5906
14.000	17.50000	41.09000	0.00000	6.1046
15.000	17.50000	42.09000	0.00000	5.6029
16.000	17.50000	43.09000	0.00000	5.0940
17.000	17.50000	44.09000	0.00000	4.5853
18.000	17.50000	45.09000	0.00000	4.0836
19.000	17.50000	46.09000	0.00000	3.5948
20.000	17.50000	47.09000	0.00000	3.1242
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.000	36.21000	23.42000	0.00000	7.8586
11.000	37.21000	23.42000	0.00000	7.4780
12.000	38.21000	23.42000	0.00000	7.0518
13.000	39.21000	23.42000	0.00000	6.5906
14.000	40.21000	23.42000	0.00000	6.1046
15.000	41.21000	23.42000	0.00000	5.6029
16.000	42.21000	23.42000	0.00000	5.0940
17.000	43.21000	23.42000	0.00000	4.5853
18.000	44.21000	23.42000	0.00000	4.0836
19.000	45.21000	23.42000	0.00000	3.5948
20.000	46.21000	23.42000	0.00000	3.1242
21.000	47.21000	23.42000	0.00000	2.6758
22.000	48.21000	23.42000	0.00000	2.2533
23.000	49.21000	23.42000	0.00000	1.8594
24.000	50.21000	23.42000	0.00000	1.4958
25.000	51.21000	23.42000	0.00000	1.1635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.000	36.21000	23.42000	0.00000	7.8586
11.000	37.21000	23.42000	0.00000	7.4780
12.000	38.21000	23.42000	0.00000	7.0518
13.000	39.21000	23.42000	0.00000	6.5906
14.000	40.21000	23.42000	0.00000	6.1046
15.000	41.21000	23.42000	0.00000	5.6029
16.000	42.21000	23.42000	0.00000	5.0940
17.000	43.21000	23.42000	0.00000	4.5853
18.000	44.21000	23.42000	0.00000	4.0836
19.000	45.21000	23.42000	0.00000	3.5948
20.000	46.21000	23.42000	0.00000	3.1242
21.000	47.21000	23.42000	0.00000	2.6758
22.000	48.21000	23.42000	0.00000	2.2533
23.000	49.21000	23.42000	0.00000	1.8594
24.000	50.21000	23.42000	0.00000	1.4958
25.000	51.21000	23.42000	0.00000	1.1635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.0000	36.21000	23.42000	0.00000	7.8586
11.0000	37.21000	23.42000	0.00000	7.4780
12.0000	38.21000	23.42000	0.00000	7.0518
13.0000	39.21000	23.42000	0.00000	6.5906
14.0000	40.21000	23.42000	0.00000	6.1046
15.0000	41.21000	23.42000	0.00000	5.6029
16.0000	42.21000	23.42000	0.00000	5.0940
17.0000	43.21000	23.42000	0.00000	4.5853
18.0000	44.21000	23.42000	0.00000	4.0836
19.0000	45.21000	23.42000	0.00000	3.5948
20.0000	46.21000	23.42000	0.00000	3.1242
21.0000	47.21000	23.42000	0.00000	2.6758
22.0000	48.21000	23.42000	0.00000	2.2533
23.0000	49.21000	23.42000	0.00000	1.8594
24.0000	50.21000	23.42000	0.00000	1.4958
25.0000	51.21000	23.42000	0.00000	1.1635
26.0000	52.21000	23.42000	0.00000	0.86297
27.0000	53.21000	23.42000	0.00000	0.69343
28.0000	54.21000	23.42000	0.00000	0.55351
29.0000	55.21000	23.42000	0.00000	0.44100
30.0000	56.21000	23.42000	0.00000	0.35286
31.0000	57.21000	23.42000	0.00000	0.28522
32.0000	58.21000	23.42000	0.00000	0.23343
33.0000	59.21000	23.42000	0.00000	0.19200
34.0000	60.21000	23.42000	0.00000	0.15463
35.0000	61.21000	23.42000	0.00000	0.11420
36.0000	62.21000	23.42000	0.00000	0.062791
37.0000	63.21000	23.42000	0.00000	0.0
38.0000	64.21000	23.42000	0.00000	0.0
39.0000	65.21000	23.42000	0.00000	0.0
40.0000	66.21000	23.42000	0.00000	0.0
41.0000	67.21000	23.42000	0.00000	0.0
42.0000	68.21000	23.42000	0.00000	0.0
43.0000	69.21000	23.42000	0.00000	0.0
44.0000	70.21000	23.42000	0.00000	0.0
45.0000	71.21000	23.42000	0.00000	0.0
46.0000	72.21000	23.42000	0.00000	0.0
47.0000	73.21000	23.42000	0.00000	0.0
48.0000	74.21000	23.42000	0.00000	0.0
49.0000	75.21000	23.42000	0.00000	0.0
50.0000	76.21000	23.42000	0.00000	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.0000	36.21000	23.42000	0.00000	7.8586
11.0000	37.21000	23.42000	0.00000	7.4780
12.0000	38.21000	23.42000	0.00000	7.0518
13.0000	39.21000	23.42000	0.00000	6.5906
14.0000	40.21000	23.42000	0.00000	6.1046
15.0000	41.21000	23.42000	0.00000	5.6029
16.0000	42.21000	23.42000	0.00000	5.0940
17.0000	43.21000	23.42000	0.00000	4.5853
18.0000	44.21000	23.42000	0.00000	4.0836
19.0000	45.21000	23.42000	0.00000	3.5948
20.0000	46.21000	23.42000	0.00000	3.1242
21.0000	47.21000	23.42000	0.00000	2.6758
22.0000	48.21000	23.42000	0.00000	2.2533
23.0000	49.21000	23.42000	0.00000	1.8594
24.0000	50.21000	23.42000	0.00000	1.4958
25.0000	51.21000	23.42000	0.00000	1.1635
26.0000	52.21000	23.42000	0.00000	0.86297
27.0000	53.21000	23.42000	0.00000	0.69343
28.0000	54.21000	23.42000	0.00000	0.55351
29.0000	55.21000	23.42000	0.00000	0.44100
30.0000	56.21000	23.42000	0.00000	0.35286
31.0000	57.21000	23.42000	0.00000	0.28522
32.0000	58.21000	23.42000	0.00000	0.23343
33.0000	59.21000	23.42000	0.00000	0.19200
34.0000	60.21000	23.42000	0.00000	0.15463
35.0000	61.21000	23.42000	0.00000	0.11420
36.0000	62.21000	23.42000	0.00000	0.062791
37.0000	63.21000	23.42000	0.00000	0.0
38.0000	64.21000	23.42000	0.00000	0.0
39.0000	65.21000	23.42000	0.00000	0.0
40.0000	66.21000	23.42000	0.00000	0.0
41.0000	67.21000	23.42000	0.00000	0.0
42.0000	68.21000	23.42000	0.00000	0.0
43.0000	69.21000	23.42000	0.00000	0.0
44.0000	70.21000	23.42000	0.00000	0.0
45.0000	71.21000	23.42000	0.00000	0.0
46.0000	72.21000	23.42000	0.00000	0.0
47.0000	73.21000	23.42000	0.00000	0.0
48.0000	74.21000	23.42000	0.00000	0.0
49.0000	75.21000	23.42000	0.00000	0.0
50.0000	76.21000	23.42000	0.00000	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.0000	36.21000	6.50000	0.00000	7.8586
11.0000	37.21000	6.50000	0.00000	7.4780
12.0000	38.21000	6.50000	0.00000	7.0518
13.0000	39.21000	6.50000	0.00000	6.5906
14.0000	40.21000	6.50000	0.00000	6.1046
15.0000	41.21000	6.50000	0.00000	5.6029
16.0000	42.21000	6.50000	0.00000	5.0940
17.0000	43.21000	6.50000	0.00000	4.5853
18.0000	44.21000	6.50000	0.00000	4.0836
19.0000	45.21000	6.50000	0.00000	3.5948
20.0000	46.21000	6.50000	0.00000	3.1242

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.000	36.21000	6.50000	0.00000	7.8586
11.000	37.21000	6.50000	0.00000	7.4780
12.000	38.21000	6.50000	0.00000	7.0518
13.000	39.21000	6.50000	0.00000	6.5906
14.000	40.21000	6.50000	0.00000	6.1046
15.000	41.21000	6.50000	0.00000	5.6029
16.000	42.21000	6.50000	0.00000	5.0940
17.000	43.21000	6.50000	0.00000	4.5853
18.000	44.21000	6.50000	0.00000	4.0836
19.000	45.21000	6.50000	0.00000	3.5948
20.000	46.21000	6.50000	0.00000	3.1242
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.000	36.21000	6.50000	0.00000	7.8586
11.000	37.21000	6.50000	0.00000	7.4780
12.000	38.21000	6.50000	0.00000	7.0518
13.000	39.21000	6.50000	0.00000	6.5906
14.000	40.21000	6.50000	0.00000	6.1046
15.000	41.21000	6.50000	0.00000	5.6029
16.000	42.21000	6.50000	0.00000	5.0940
17.000	43.21000	6.50000	0.00000	4.5853
18.000	44.21000	6.50000	0.00000	4.0836
19.000	45.21000	6.50000	0.00000	3.5948
20.000	46.21000	6.50000	0.00000	3.1242
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0

Table 4



7 ABC Bayham Street
London NW1 0EY
X1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	5.23000	0.00000	0.00000	6.1871
1.0000	5.23000	-1.00000	0.00000	7.0381
2.0000	5.23000	-2.00000	0.00000	7.6903
3.0000	5.23000	-3.00000	0.00000	8.1628
4.0000	5.23000	-4.00000	0.00000	8.4736
5.0000	5.23000	-5.00000	0.00000	8.6401
6.0000	5.23000	-6.00000	0.00000	8.6789
7.0000	5.23000	-7.00000	0.00000	8.6057
8.0000	5.23000	-8.00000	0.00000	8.4353
9.0000	5.23000	-9.00000	0.00000	8.1818
10.000	5.23000	-10.00000	0.00000	7.8586
11.000	5.23000	-11.00000	0.00000	7.4780
12.000	5.23000	-12.00000	0.00000	7.0518
13.000	5.23000	-13.00000	0.00000	6.5906
14.000	5.23000	-14.00000	0.00000	6.1046
15.000	5.23000	-15.00000	0.00000	5.6029
16.000	5.23000	-16.00000	0.00000	5.0940
17.000	5.23000	-17.00000	0.00000	4.5853
18.000	5.23000	-18.00000	0.00000	4.0836
19.000	5.23000	-19.00000	0.00000	3.5948
20.000	5.23000	-20.00000	0.00000	3.1242
21.000	5.23000	-21.00000	0.00000	2.6758
22.000	5.23000	-22.00000	0.00000	2.2533
23.000	5.23000	-23.00000	0.00000	1.8594
24.000	5.23000	-24.00000	0.00000	1.4958
25.000	5.23000	-25.00000	0.00000	1.1635
26.000	5.23000	-26.00000	0.00000	0.86297
27.000	5.23000	-27.00000	0.00000	0.69343
28.000	5.23000	-28.00000	0.00000	0.55351
29.000	5.23000	-29.00000	0.00000	0.44100
30.000	5.23000	-30.00000	0.00000	0.35286
31.000	5.23000	-31.00000	0.00000	0.28522
32.000	5.23000	-32.00000	0.00000	0.23343
33.000	5.23000	-33.00000	0.00000	0.19200
34.000	5.23000	-34.00000	0.00000	0.15463
35.000	5.23000	-35.00000	0.00000	0.11420
36.000	5.23000	-36.00000	0.00000	0.062791
37.000	5.23000	-37.00000	0.00000	0.0
38.000	5.23000	-38.00000	0.00000	0.0
39.000	5.23000	-39.00000	0.00000	0.0
40.000	5.23000	-40.00000	0.00000	0.0
41.000	5.23000	-41.00000	0.00000	0.0
42.000	5.23000	-42.00000	0.00000	0.0
43.000	5.23000	-43.00000	0.00000	0.0
44.000	5.23000	-44.00000	0.00000	0.0
45.000	5.23000	-45.00000	0.00000	0.0
46.000	5.23000	-46.00000	0.00000	0.0
47.000	5.23000	-47.00000	0.00000	0.0
48.000	5.23000	-48.00000	0.00000	0.0
49.000	5.23000	-49.00000	0.00000	0.0
50.000	5.23000	-50.00000	0.00000	0.0

Specific Building Damage Results - All Segments

Structure: 1-A | Sub-structure:

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	5.5000	Sagging	0.011395	0.056504	0.065850	-583.93E-6	-850.51E-6	4919.6	1 (Very Slight)

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

Structure: 1-B | Sub-structure:

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	5.5000	Sagging	0.0056843	0.051888	0.056551	-541.67E-6	380.38E-6	6332.2	1 (Very Slight)

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

Structure: 1-C | Sub-structure:

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	4.9923	Sagging	0.0013208	0.047430	0.048427	-490.95E-6	508.73E-6	26781.	0 (Negligible)
	2	4.9923	4.3077	Hogging	735.06E-6	0.043187	0.043440	-457.14E-6	508.73E-6	27613.	0 (Negligible)

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

Structure: 1-D | Sub-structure:

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	8.2801	Hogging	0.0028480	0.037500	0.039743	-374.86E-6	300.47E-6	5839.9	0 (Negligible)
	2	8.2801	1.5199	Sagging	68.605E-6	0.037500	0.037521	-374.86E-6	51.394E-6	78698.	0 (Negligible)

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

Structure: 2-A | Sub-structure:

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]	

Table 4



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Vertical Offset from Line for Vertical Movement	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
0.0	1	0.0	15.992	Sagging	0.018123	0.052084	0.074849	-583.93E-6	-850.51E-6	4919.6	1 (Very Slight)
	2	15.992	3.0077	Hogging	364.91E-6	0.044047	0.044102	-457.14E-6	508.73E-6	69403.	0 (Negligible)

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

Structure: 2-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.400	Hogging	[%] 0.0044366	[%] 0.037500	[%] 0.040819	-374.86E-6	363.47E-6	[m] 12446.	0 (Negligible)

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

Structure: 3-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.3800	Sagging	[%] 0.0097938	[%] 0.056974	[%] 0.065959	-583.93E-6	-850.51E-6	[m] 4642.5	1 (Very Slight)

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

Structure: 3-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 3.6900	Sagging	[%] 0.0052443	[%] 0.053602	[%] 0.060014	-550.12E-6	253.32E-6	[m] 6014.0	1 (Very Slight)

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

Structure: 3-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.0468	Sagging	[%] 0.0036290	[%] 0.048615	[%] 0.053544	-516.31E-6	508.73E-6	[m] 13184.	1 (Very Slight)
	2	8.0468	0.25318	Hogging	0.0	0.044888	0.044888	-448.68E-6	508.47E-6	705060.	0 (Negligible)

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

Structure: 3-D | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 9.4000	Hogging	[%] 0.0028993	[%] 0.039808	[%] 0.042619	-448.68E-6	508.47E-6	[m] 27284.	0 (Negligible)

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

Structure: 3-E | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 7.7719	Hogging	[%] 0.0022500	[%] 0.037500	[%] 0.038665	-374.86E-6	300.47E-6	[m] 4347.0	0 (Negligible)
	2	7.7719	1.4581	Sagging	65.599E-6	0.037500	0.037513	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 4-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.7100	Sagging	[%] 0.011769	[%] 0.056419	[%] 0.069035	-583.93E-6	-850.51E-6	[m] 4919.6	1 (Very Slight)

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

Structure: 4-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.5300	Sagging	[%] 0.0054693	[%] 0.051681	[%] 0.057411	-541.67E-6	426.05E-6	[m] 5491.1	1 (Very Slight)

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

Structure: 4-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.7774	Sagging	[%] 0.0012261	[%] 0.047333	[%] 0.048483	-490.95E-6	508.73E-6	[m] 23377.	0 (Negligible)
	2	4.7774	0.15262	None	0.0	0.044888	0.044888	-448.68E-6	508.47E-6	990460.	0 (Negligible)

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

Structure: 4-D | Sub-structure:

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
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[m] 0.0	1	[m] 0.0	[m] 17.372	Hogging	[%] 0.0081024	[%] 0.038834	[%] 0.049923	-448.68E-6	508.47E-6	[m] 12394.	0
	2	17.372	1.4581	Sagging	65.599E-6	0.037500	0.037521	-374.86E-6	51.394E-6	109940.	(Negligible) 0
											(Negligible)

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

Structure: 5-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 6.4200	Sagging	[%] 0.012830	[%] 0.056118	[%] 0.068058	-583.93E-6	-850.51E-6	[m] 4919.6	1 (Very Slight)

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

Structure: 5-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.9800	Sagging	[%] 0.0056178	[%] 0.049619	[%] 0.056265	-533.22E-6	508.73E-6	[m] 7683.5	1 (Very Slight)

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

Structure: 5-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 0.22162	None	[%] 0.0	[%] 0.045735	[%] 0.045735	-457.14E-6	508.73E-6	[m] 1.0816E+6	0 (Negligible)
	2	0.22162	17.920	Hogging	0.0081464	0.039037	0.048663	-457.14E-6	508.73E-6	12612.	0 (Negligible)
	3	18.142	1.4581	Sagging	65.599E-6	0.037500	0.037515	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 6-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.790	Hogging	[%] 0.0056590	[%] 0.038225	[%] 0.040949	-431.78E-6	488.53E-6	[m] 12417.	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: 1-A | Sub-structure:

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] 0.0	[%] 0.011395	[%] 0.056504	-850.51E-6	[mm] 8.6595	[%] 0.065850	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)

Structure: 1-B | Sub-structure:

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] 0.0	[%] 0.0056843	[%] 0.051888	380.38E-6	[mm] 8.6789	[%] 0.056551	-541.67E-6	380.38E-6	[m] -	[m] 6332.2	1 (Very Slight)

Structure: 1-C | Sub-structure:

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] 0.0	[%] 0.0013208	[%] 0.047430	508.73E-6	[mm] 7.4780	[%] 0.048427	-490.95E-6	508.73E-6	[m] 27613.	[m] 26781.	0 (Negligible)

Structure: 1-D | Sub-structure:

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] 0.0	[%] 0.0028480	[%] 0.037500	300.47E-6	[mm] 1.1034	[%] 0.039743	-374.86E-6	300.47E-6	[m] 5839.9	[m] 78698.	0 (Negligible)

Structure: 2-A | Sub-structure:

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] 0.0	[%] 0.018123	[%] 0.052084	-850.51E-6	[mm] 8.6780	[%] 0.074849	-583.93E-6	-850.51E-6	[m] 69403.	[m] 4919.6	1 (Very Slight)

Structure: 2-B | Sub-structure:

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
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Table 4



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

[m] 0.0	[%] 0.0044366	[%] 0.037500	363.47E-6	[mm] 1.6412	[%] 0.040819	-374.86E-6	363.47E-6	[m] 12446.	[m] - 0	(Negligible)
Structure: 3-A Sub-structure:										
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] 0.0	[%] 0.0097938	[%] 0.056974	-850.51E-6	[mm] 8.5369	[%] 0.065959	-583.93E-6	-850.51E-6	[m] -	[m] 4642.5	1 (Very Slight)
Structure: 3-B Sub-structure:										
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] 0.0	[%] 0.0052443	[%] 0.053602	253.32E-6	[mm] 8.6783	[%] 0.060014	-550.12E-6	253.32E-6	[m] -	[m] 6014.0	1 (Very Slight)
Structure: 3-C Sub-structure:										
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] 0.0	[%] 0.0036290	[%] 0.048615	508.73E-6	[mm] 8.4175	[%] 0.053544	-516.31E-6	508.73E-6	[m] 705060.	[m] 13184.	1 (Very Slight)
Structure: 3-D Sub-structure:										
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] 0.0	[%] 0.0028993	[%] 0.039808	508.47E-6	[mm] 4.9058	[%] 0.042619	-448.68E-6	508.47E-6	[m] 27284.	[m] -	0 (Negligible)
Structure: 3-E Sub-structure:										
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] 0.0	[%] 0.0022500	[%] 0.037500	300.47E-6	[mm] 0.93210	[%] 0.038665	-374.86E-6	300.47E-6	[m] 4347.0	[m] 109940.	0 (Negligible)
Structure: 4-A Sub-structure:										
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] 0.0	[%] 0.011769	[%] 0.056419	-850.51E-6	[mm] 8.6677	[%] 0.069035	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)
Structure: 4-B Sub-structure:										
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] 0.0	[%] 0.0054693	[%] 0.051681	426.05E-6	[mm] 8.6785	[%] 0.057411	-541.67E-6	426.05E-6	[m] -	[m] 5491.1	1 (Very Slight)
Structure: 4-C Sub-structure:										
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] 0.0	[%] 0.0012261	[%] 0.047333	508.73E-6	[mm] 7.3757	[%] 0.048483	-490.95E-6	508.73E-6	[m] -	[m] 23377.	0 (Negligible)
Structure: 4-D Sub-structure:										
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] 0.0	[%] 0.0081024	[%] 0.038834	508.47E-6	[mm] 5.0075	[%] 0.049923	-448.68E-6	508.47E-6	[m] 12394.	[m] 109940.	0 (Negligible)
Structure: 5-A Sub-structure:										
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] 0.0	[%] 0.012830	[%] 0.056118	-850.51E-6	[mm] 8.6776	[%] 0.068058	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)
Structure: 5-B Sub-structure:										
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] 0.0	[%] 0.0056178	[%] 0.049619	508.73E-6	[mm] 8.6482	[%] 0.056265	-533.22E-6	508.73E-6	[m] -	[m] 7683.5	1 (Very Slight)

Table 4



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

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	0.0081464	0.045735	508.73E-6	5.3994	0.048663	-457.14E-6	508.73E-6	12612.	109940.0	0 (Negligible)

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	0.0056590	0.038225	488.53E-6	3.8539	0.040949	-431.78E-6	488.53E-6	12417.	- 0	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]		
1-A	Max Slope		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
1-B	Max Slope		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Max Settlement		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
1-C	Max Slope		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Max Settlement		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Max Tensile Strain		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Min Radius of Curvature (Hogging)		2	4.9923	9.3000	Hogging	508.73E-6	5.0979	0.043440	27613.	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
1-D	Max Slope		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	- 0	0 (Negligible)
	Max Settlement		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	- 0	0 (Negligible)
	Max Tensile Strain		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	- 0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		2	8.2801	9.8000	Sagging	51.394E-6	0.17406	0.037521	-	78698.0	0 (Negligible)
2-A	Max Slope		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Min Radius of Curvature (Hogging)		2	15.992	19.000	Hogging	508.73E-6	5.0979	0.044102	69403.	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
2-B	Max Slope		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	- 0	0 (Negligible)
	Max Settlement		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	- 0	0 (Negligible)
	Max Tensile Strain		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	- 0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-A	Max Slope		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Max Settlement		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Max Tensile Strain		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
3-B	Max Slope		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Max Settlement		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Max Tensile Strain		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
3-C	Max Slope		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Max Settlement		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Min Radius of Curvature (Hogging)		2	8.0468	8.3000	Hogging	508.47E-6	5.0346	0.044888	705060.	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
3-D	Max Slope		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	- 0	0 (Negligible)
	Max Settlement		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	- 0	0 (Negligible)
	Max Tensile Strain		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	- 0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	- 0	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-E	Max Slope		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	- 0	0 (Negligible)
	Max Settlement		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	- 0	0 (Negligible)
	Max Tensile Strain		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	- 0	0 (Negligible)
	Min Radius of		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	- 0	0 (Negligible)

Table 4



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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
4-A	Curvature (Hogging)											
	Min Radius of Curvature (Sagging)		2	7.7719	9.2300	Sagging	51.394E-6	0.17175	0.037513	-	109940.0	(Negligible)
	Max Slope		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
4-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Slope		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Settlement		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
4-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Slope		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Settlement		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Tensile Strain		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
4-D	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Slope		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
	Max Settlement		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
	Max Tensile Strain		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
5-A	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		2	17.372	18.830	Sagging	51.394E-6	0.17175	0.037521	-	109940.0	(Negligible)
	Max Slope		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
5-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Slope		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Settlement		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
5-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Slope		1	0.0	0.22162	Sagging	508.73E-6	5.3994	0.045735	-	1.0816E+6	0 (Negligible)
	Max Settlement		1	0.0	0.22162	Sagging	508.73E-6	5.3994	0.045735	-	1.0816E+6	0 (Negligible)
	Max Tensile Strain		2	0.22162	18.142	Hogging	508.73E-6	5.2866	0.048663	12612.	-	0 (Negligible)
6-A	Min Radius of Curvature (Hogging)		2	0.22162	18.142	Hogging	508.73E-6	5.2866	0.048663	12612.	-	0 (Negligible)
	Min Radius of Curvature (Sagging)		3	18.142	19.600	Sagging	51.394E-6	0.17175	0.037515	-	109940.0	(Negligible)
	Max Slope		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Max Settlement		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Max Tensile Strain		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-

Specific Building Damage Results - All Combined Segments

Structure: 1-A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 4



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

Structure: 2-A | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 2-B | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 3-A | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 3-B | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 3-C | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 3-D | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 3-E | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 4-A | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 4-B | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 4-C | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 4-D | Sub-structure:

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Structure: 5-A | Sub-structure:

Table 4

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Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-B Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-C Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 6-A Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Table 4



APPENDIX E

Long-term Total Ground displacements (XDisp)





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Job No.	Sheet No.	Rev.
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Line Displacements

Displacement Line 1: Line 1

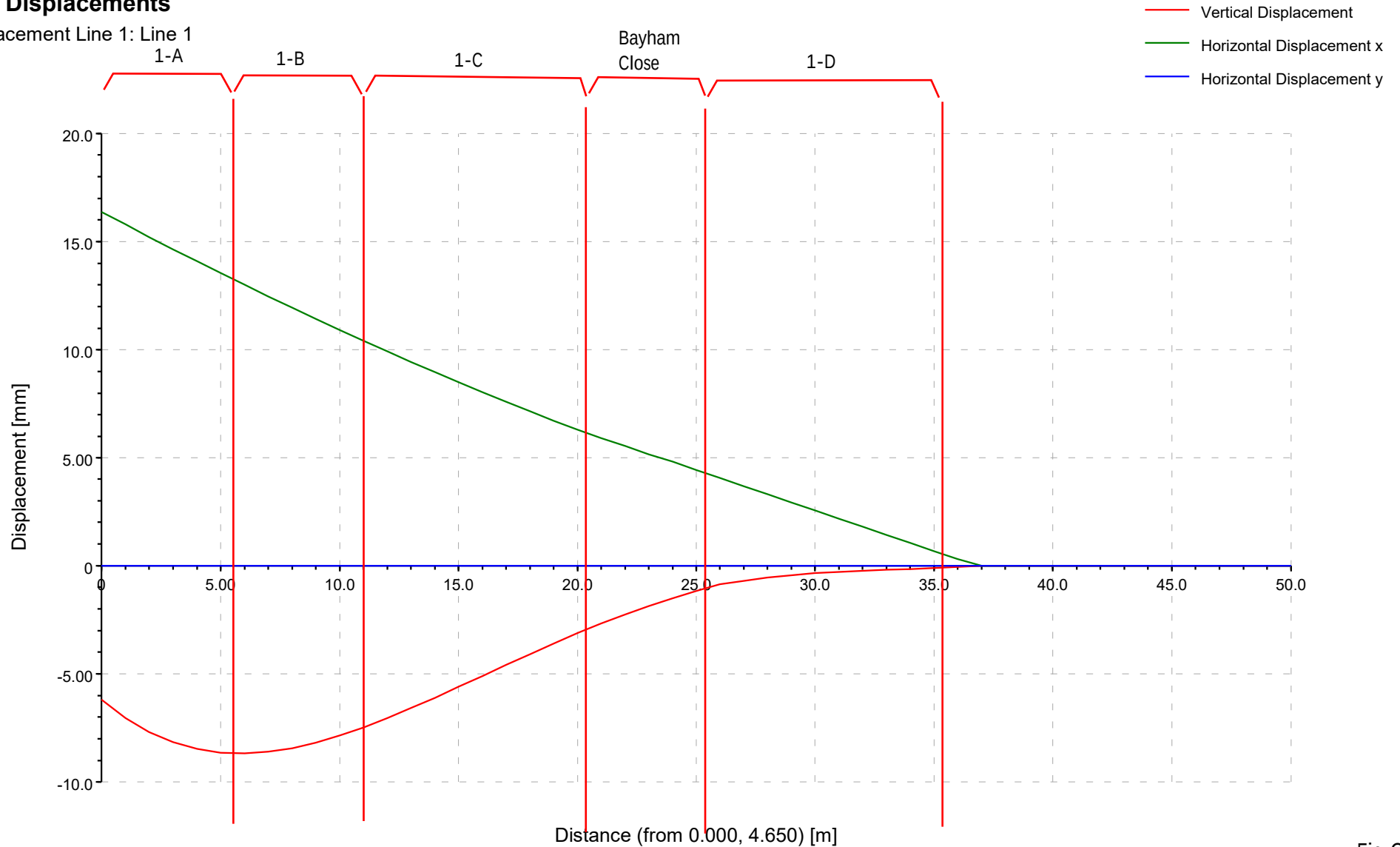


Fig Q1-L1



7 ABC Bayham Street
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Q1

Job No.	Sheet No.	Rev.
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Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 2: Line 2

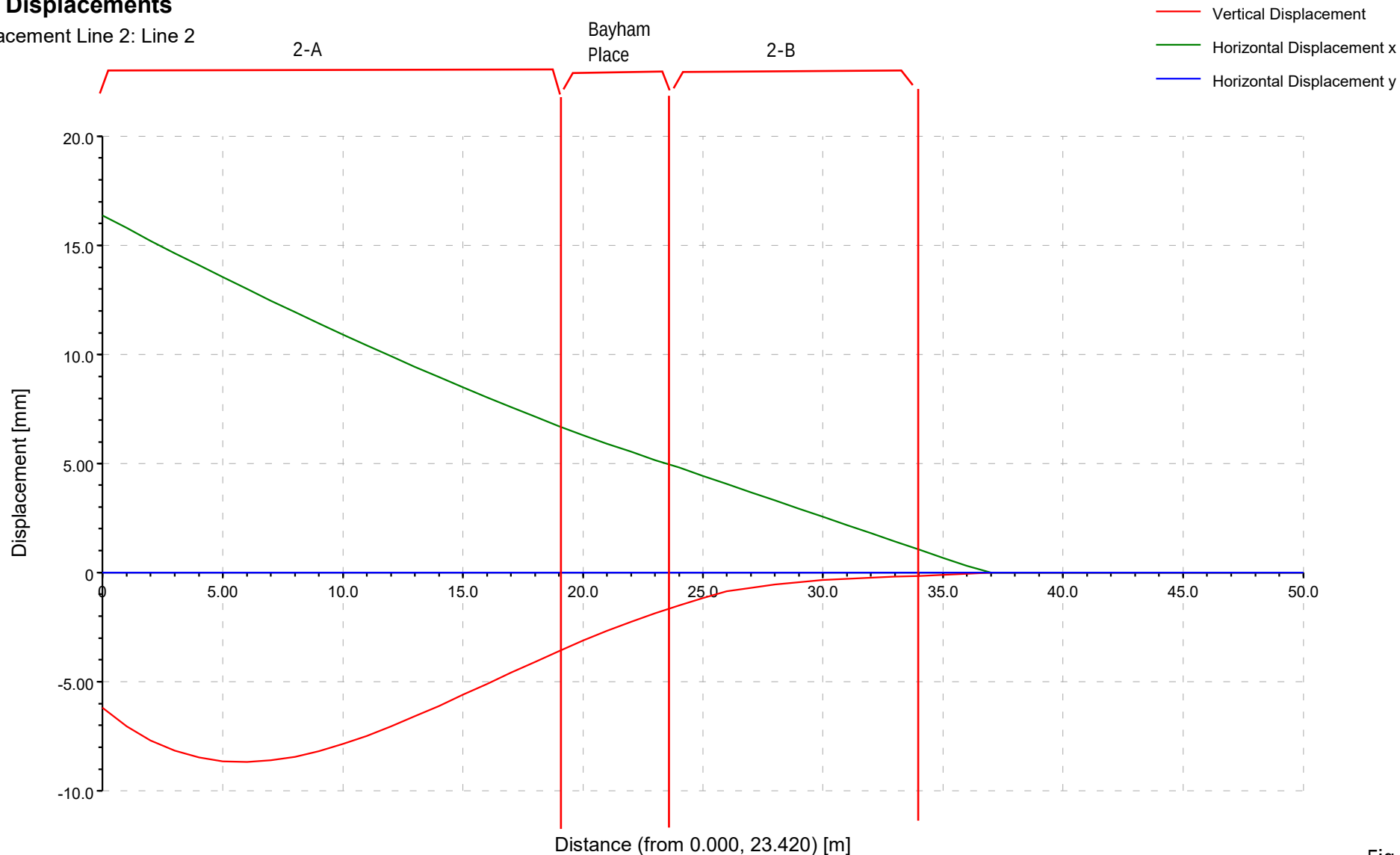


Fig Q1-L2

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

Line Displacements

Displacement Line 3: Line 3

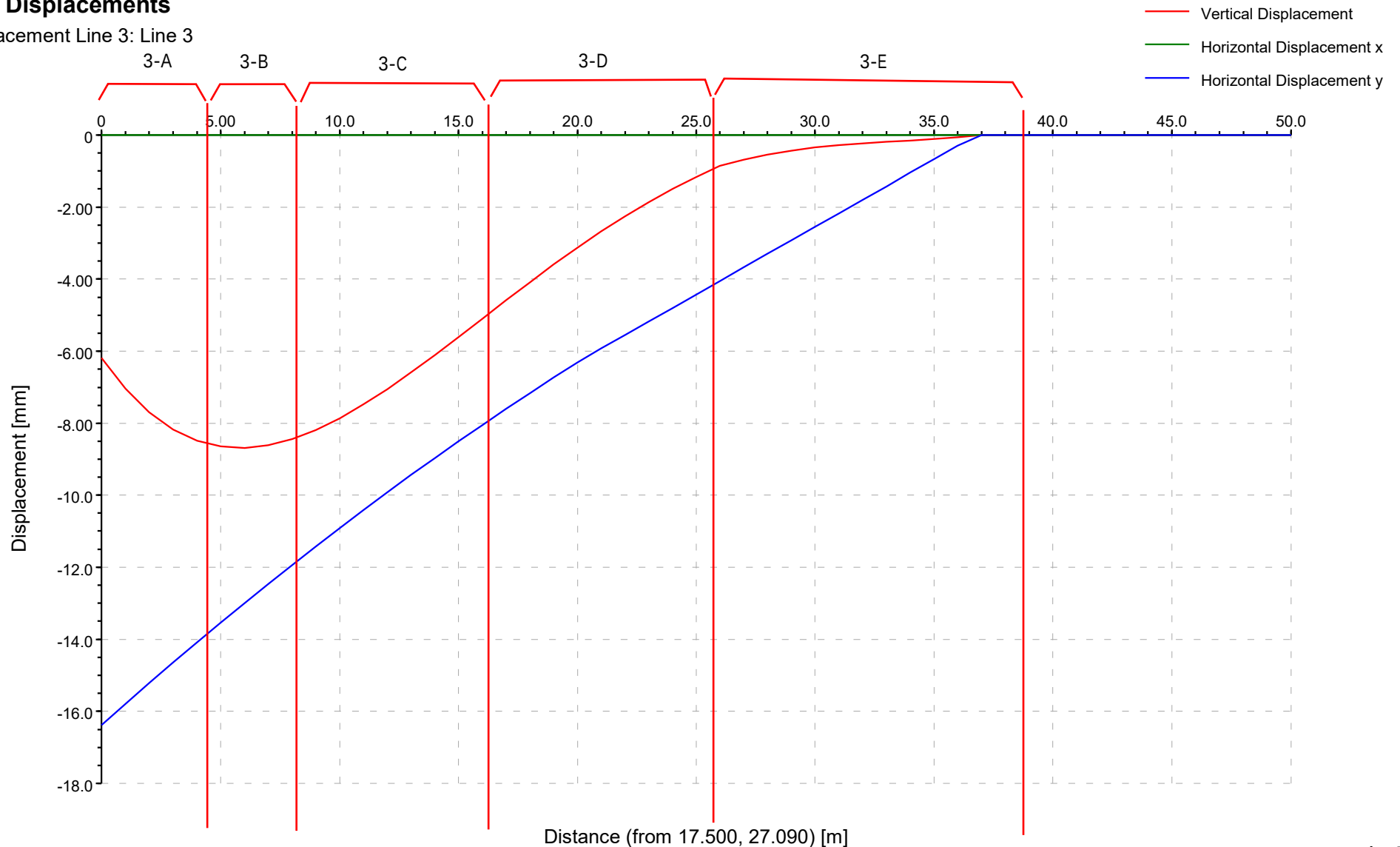


Fig Q1-L3

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
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Line Displacements

Displacement Line 4: Line 4

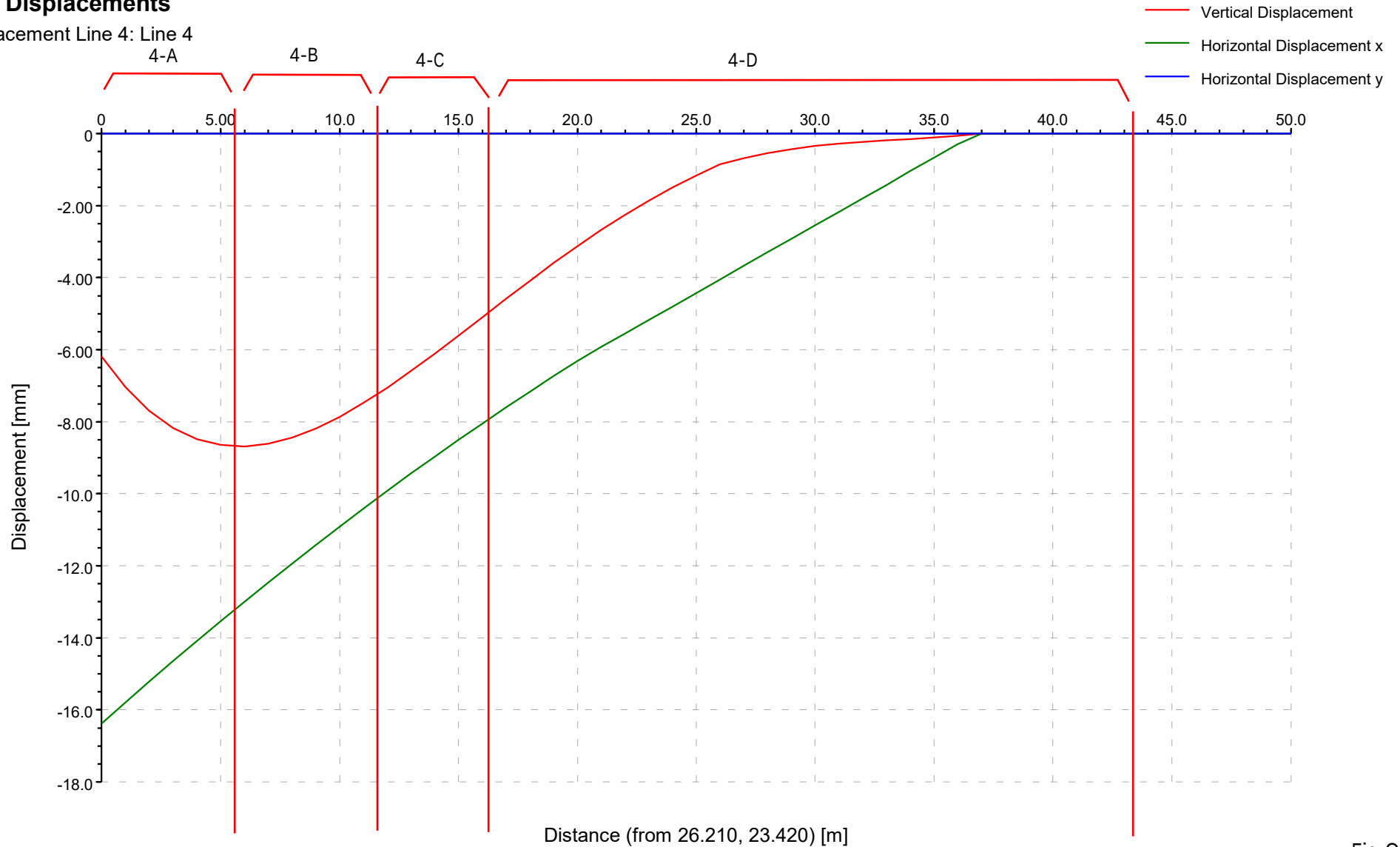


Fig Q1-L4

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Line Displacements

Displacement Line 5: Line 5

- Vertical Displacement
- Horizontal Displacement x
- Horizontal Displacement y

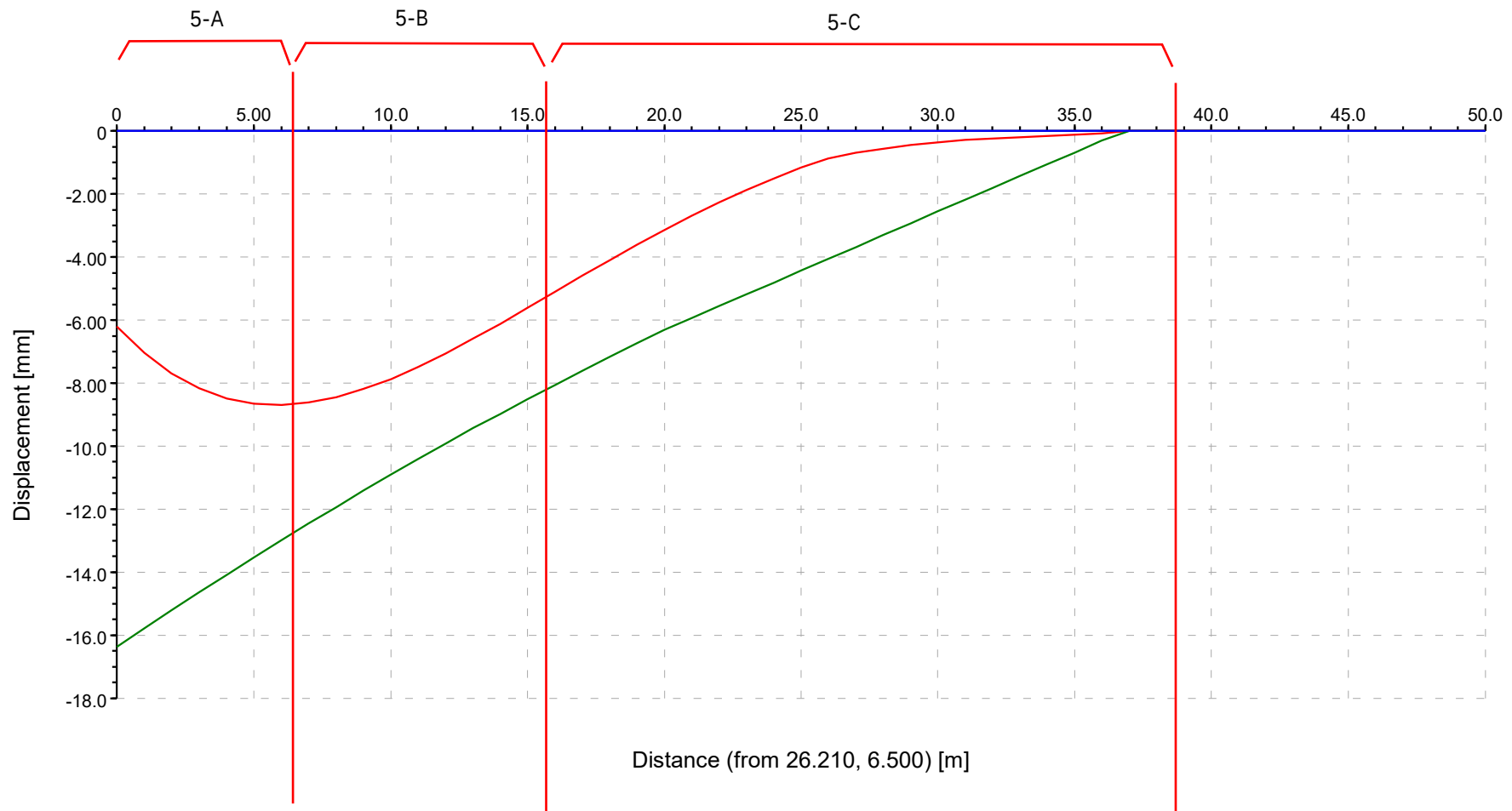


Fig Q1-L5



7 ABC Bayham Street
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Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
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Line Displacements

Displacement Line 6: Line 6

Bayham Street

6-A

- Vertical Displacement
- Horizontal Displacement x
- Horizontal Displacement y

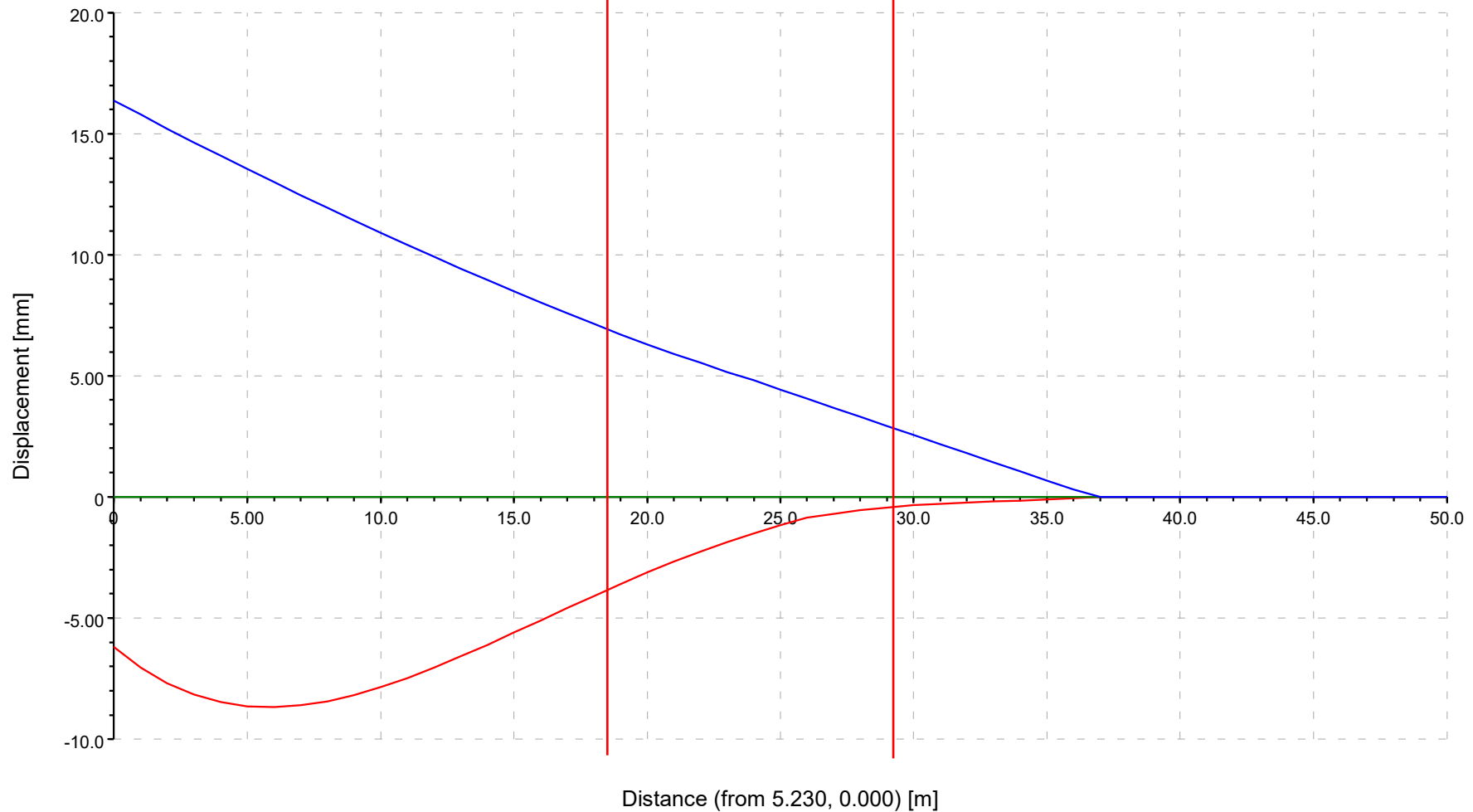


Fig Q1-L6



7 ABC Bayham Street
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Q1

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
						line	to line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377	0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793	0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217	0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650	0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091	0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541	0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999	0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465	0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423	0.0
10.000	-10.0000	4.65000	0.00000	10.915	0.0	-10.915	0.0
11.000	-11.0000	4.65000	0.00000	10.416	0.0	-10.416	0.0
12.000	-12.0000	4.65000	0.00000	9.9245	0.0	-9.9245	0.0
13.000	-13.0000	4.65000	0.00000	9.4417	0.0	-9.4417	0.0
14.000	-14.0000	4.65000	0.00000	8.9675	0.0	-8.9675	0.0
15.000	-15.0000	4.65000	0.00000	8.5017	0.0	-8.5017	0.0
16.000	-16.0000	4.65000	0.00000	8.0443	0.0	-8.0443	0.0
17.000	-17.0000	4.65000	0.00000	7.5954	0.0	-7.5954	0.0
18.000	-18.0000	4.65000	0.00000	7.1550	0.0	-7.1550	0.0
19.000	-19.0000	4.65000	0.00000	6.7231	0.0	-6.7231	0.0
20.000	-20.0000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.000	-21.0000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.000	-22.0000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.000	-23.0000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.000	-24.0000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.000	-25.0000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.000	-26.0000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.000	-27.0000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.000	-28.0000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.000	-29.0000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.000	-30.0000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.000	-31.0000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.000	-32.0000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.000	-33.0000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.000	-34.0000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.000	-35.0000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.000	-36.0000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.000	-37.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.000	-38.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.000	-39.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.000	-40.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.000	-41.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.000	-42.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.000	-43.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.000	-44.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.000	-45.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.000	-46.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.000	-47.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.000	-48.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.000	-49.0000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.000	-50.0000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377	0.0
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793	0.0
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217	0.0
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650	0.0
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091	0.0
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541	0.0
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999	0.0
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465	0.0
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423	0.0
10.0000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915	0.0
11.0000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416	0.0
12.0000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245	0.0
13.0000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417	0.0
14.0000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675	0.0
15.0000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017	0.0
16.0000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443	0.0
17.0000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954	0.0
18.0000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550	0.0
19.0000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231	0.0
20.0000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.0000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.0000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.0000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.0000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.0000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.0000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.0000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.0000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.0000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.0000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.0000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.0000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.0000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.0000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.0000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.0000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.0000	-37.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.0000	-38.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.0000	-39.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.0000	-40.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.0000	-41.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.0000	-42.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.0000	-43.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.0000	-44.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.0000	-45.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.0000	-46.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.0000	-47.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.0000	-48.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.0000	-49.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.0000	-50.00000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
					Line	to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	4.65000	0.00000	16.377	0.0	-16.377
1.0000	-1.00000	4.65000	0.00000	15.793	0.0	-15.793
2.0000	-2.00000	4.65000	0.00000	15.217	0.0	-15.217
3.0000	-3.00000	4.65000	0.00000	14.650	0.0	-14.650
4.0000	-4.00000	4.65000	0.00000	14.091	0.0	-14.091
5.0000	-5.00000	4.65000	0.00000	13.541	0.0	-13.541
6.0000	-6.00000	4.65000	0.00000	12.999	0.0	-12.999
7.0000	-7.00000	4.65000	0.00000	12.465	0.0	-12.465
8.0000	-8.00000	4.65000	0.00000	11.940	0.0	-11.940
9.0000	-9.00000	4.65000	0.00000	11.423	0.0	-11.423
10.000	-10.00000	4.65000	0.00000	10.915	0.0	-10.915
11.000	-11.00000	4.65000	0.00000	10.416	0.0	-10.416
12.000	-12.00000	4.65000	0.00000	9.9245	0.0	-9.9245
13.000	-13.00000	4.65000	0.00000	9.4417	0.0	-9.4417
14.000	-14.00000	4.65000	0.00000	8.9675	0.0	-8.9675
15.000	-15.00000	4.65000	0.00000	8.5017	0.0	-8.5017
16.000	-16.00000	4.65000	0.00000	8.0443	0.0	-8.0443
17.000	-17.00000	4.65000	0.00000	7.5954	0.0	-7.5954
18.000	-18.00000	4.65000	0.00000	7.1550	0.0	-7.1550
19.000	-19.00000	4.65000	0.00000	6.7231	0.0	-6.7231
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	23.42000	0.00000	16.377	0.0	-16.377
1.0000	-1.00000	23.42000	0.00000	15.793	0.0	-15.793
2.0000	-2.00000	23.42000	0.00000	15.217	0.0	-15.217
3.0000	-3.00000	23.42000	0.00000	14.650	0.0	-14.650
4.0000	-4.00000	23.42000	0.00000	14.091	0.0	-14.091
5.0000	-5.00000	23.42000	0.00000	13.541	0.0	-13.541
6.0000	-6.00000	23.42000	0.00000	12.999	0.0	-12.999
7.0000	-7.00000	23.42000	0.00000	12.465	0.0	-12.465
8.0000	-8.00000	23.42000	0.00000	11.940	0.0	-11.940
9.0000	-9.00000	23.42000	0.00000	11.423	0.0	-11.423
10.000	-10.00000	23.42000	0.00000	10.915	0.0	-10.915
11.000	-11.00000	23.42000	0.00000	10.416	0.0	-10.416
12.000	-12.00000	23.42000	0.00000	9.9245	0.0	-9.9245
13.000	-13.00000	23.42000	0.00000	9.4417	0.0	-9.4417
14.000	-14.00000	23.42000	0.00000	8.9675	0.0	-8.9675
15.000	-15.00000	23.42000	0.00000	8.5017	0.0	-8.5017
16.000	-16.00000	23.42000	0.00000	8.0443	0.0	-8.0443
17.000	-17.00000	23.42000	0.00000	7.5954	0.0	-7.5954

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
18.000	-18.00000	23.42000	0.00000	7.1550	0.0	-7.1550
19.000	-19.00000	23.42000	0.00000	6.7231	0.0	-6.7231
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	0.00000	23.42000	0.00000	16.377	0.0	-16.377
1.0000	-1.00000	23.42000	0.00000	15.793	0.0	-15.793
2.0000	-2.00000	23.42000	0.00000	15.217	0.0	-15.217
3.0000	-3.00000	23.42000	0.00000	14.650	0.0	-14.650
4.0000	-4.00000	23.42000	0.00000	14.091	0.0	-14.091
5.0000	-5.00000	23.42000	0.00000	13.541	0.0	-13.541
6.0000	-6.00000	23.42000	0.00000	12.999	0.0	-12.999
7.0000	-7.00000	23.42000	0.00000	12.465	0.0	-12.465
8.0000	-8.00000	23.42000	0.00000	11.940	0.0	-11.940
9.0000	-9.00000	23.42000	0.00000	11.423	0.0	-11.423
10.000	-10.00000	23.42000	0.00000	10.915	0.0	-10.915
11.000	-11.00000	23.42000	0.00000	10.416	0.0	-10.416
12.000	-12.00000	23.42000	0.00000	9.9245	0.0	-9.9245
13.000	-13.00000	23.42000	0.00000	9.4417	0.0	-9.4417
14.000	-14.00000	23.42000	0.00000	8.9675	0.0	-8.9675
15.000	-15.00000	23.42000	0.00000	8.5017	0.0	-8.5017
16.000	-16.00000	23.42000	0.00000	8.0443	0.0	-8.0443
17.000	-17.00000	23.42000	0.00000	7.5954	0.0	-7.5954
18.000	-18.00000	23.42000	0.00000	7.1550	0.0	-7.1550
19.000	-19.00000	23.42000	0.00000	6.7231	0.0	-6.7231
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-D | Sub-structure:

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-16.377	-16.377
1.0000	17.50000	28.09000	0.00000	0.0	-15.793	-15.793
2.0000	17.50000	29.09000	0.00000	0.0	-15.217	-15.217
3.0000	17.50000	30.09000	0.00000	0.0	-14.650	-14.650
4.0000	17.50000	31.09000	0.00000	0.0	-14.091	-14.091
5.0000	17.50000	32.09000	0.00000	0.0	-13.541	-13.541
6.0000	17.50000	33.09000	0.00000	0.0	-12.999	-12.999
7.0000	17.50000	34.09000	0.00000	0.0	-12.465	-12.465
8.0000	17.50000	35.09000	0.00000	0.0	-11.940	-11.940
9.0000	17.50000	36.09000	0.00000	0.0	-11.423	-11.423
10.000	17.50000	37.09000	0.00000	0.0	-10.915	-10.915
11.000	17.50000	38.09000	0.00000	0.0	-10.416	-10.416
12.000	17.50000	39.09000	0.00000	0.0	-9.9245	-9.9245
13.000	17.50000	40.09000	0.00000	0.0	-9.4417	-9.4417
14.000	17.50000	41.09000	0.00000	0.0	-8.9675	-8.9675
15.000	17.50000	42.09000	0.00000	0.0	-8.5017	-8.5017
16.000	17.50000	43.09000	0.00000	0.0	-8.0443	-8.0443
17.000	17.50000	44.09000	0.00000	0.0	-7.5954	-7.5954
18.000	17.50000	45.09000	0.00000	0.0	-7.1550	-7.1550
19.000	17.50000	46.09000	0.00000	0.0	-6.7231	-6.7231
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the perpendicular
						Line to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	23.42000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	23.42000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	23.42000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	23.42000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	23.42000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	23.42000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	23.42000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	23.42000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	23.42000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	23.42000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	23.42000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	23.42000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	23.42000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	23.42000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	23.42000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	23.42000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	23.42000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	23.42000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	23.42000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-16.377	0.0	-16.377	0.0
1.0000	27.21000	6.50000	0.00000	-15.793	0.0	-15.793	0.0
2.0000	28.21000	6.50000	0.00000	-15.217	0.0	-15.217	0.0
3.0000	29.21000	6.50000	0.00000	-14.650	0.0	-14.650	0.0
4.0000	30.21000	6.50000	0.00000	-14.091	0.0	-14.091	0.0
5.0000	31.21000	6.50000	0.00000	-13.541	0.0	-13.541	0.0
6.0000	32.21000	6.50000	0.00000	-12.999	0.0	-12.999	0.0
7.0000	33.21000	6.50000	0.00000	-12.465	0.0	-12.465	0.0
8.0000	34.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
9.0000	35.21000	6.50000	0.00000	-11.423	0.0	-11.423	0.0
10.000	36.21000	6.50000	0.00000	-10.915	0.0	-10.915	0.0
11.000	37.21000	6.50000	0.00000	-10.416	0.0	-10.416	0.0
12.000	38.21000	6.50000	0.00000	-9.9245	0.0	-9.9245	0.0
13.000	39.21000	6.50000	0.00000	-9.4417	0.0	-9.4417	0.0
14.000	40.21000	6.50000	0.00000	-8.9675	0.0	-8.9675	0.0
15.000	41.21000	6.50000	0.00000	-8.5017	0.0	-8.5017	0.0
16.000	42.21000	6.50000	0.00000	-8.0443	0.0	-8.0443	0.0
17.000	43.21000	6.50000	0.00000	-7.5954	0.0	-7.5954	0.0
18.000	44.21000	6.50000	0.00000	-7.1550	0.0	-7.1550	0.0
19.000	45.21000	6.50000	0.00000	-6.7231	0.0	-6.7231	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	5.23000	0.00000	0.00000	0.0	16.377	-16.377	0.0
1.0000	5.23000	-1.00000	0.00000	0.0	15.793	-15.793	0.0
2.0000	5.23000	-2.00000	0.00000	0.0	15.217	-15.217	0.0
3.0000	5.23000	-3.00000	0.00000	0.0	14.650	-14.650	0.0

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
4.0000	5.23000	-4.00000	0.00000	0.0	14.091	-14.091
5.0000	5.23000	-5.00000	0.00000	0.0	13.541	-13.541
6.0000	5.23000	-6.00000	0.00000	0.0	12.999	-12.999
7.0000	5.23000	-7.00000	0.00000	0.0	12.465	-12.465
8.0000	5.23000	-8.00000	0.00000	0.0	11.940	-11.940
9.0000	5.23000	-9.00000	0.00000	0.0	11.423	-11.423
10.000	5.23000	-10.00000	0.00000	0.0	10.915	-10.915
11.000	5.23000	-11.00000	0.00000	0.0	10.416	-10.416
12.000	5.23000	-12.00000	0.00000	0.0	9.9245	-9.9245
13.000	5.23000	-13.00000	0.00000	0.0	9.4417	-9.4417
14.000	5.23000	-14.00000	0.00000	0.0	8.9675	-8.9675
15.000	5.23000	-15.00000	0.00000	0.0	8.5017	-8.5017
16.000	5.23000	-16.00000	0.00000	0.0	8.0443	-8.0443
17.000	5.23000	-17.00000	0.00000	0.0	7.5954	-7.5954
18.000	5.23000	-18.00000	0.00000	0.0	7.1550	-7.1550
19.000	5.23000	-19.00000	0.00000	0.0	6.7231	-6.7231
20.000	5.23000	-20.00000	0.00000	0.0	6.3000	-6.3000
21.000	5.23000	-21.00000	0.00000	0.0	5.9250	-5.9250
22.000	5.23000	-22.00000	0.00000	0.0	5.5500	-5.5500
23.000	5.23000	-23.00000	0.00000	0.0	5.1750	-5.1750
24.000	5.23000	-24.00000	0.00000	0.0	4.8000	-4.8000
25.000	5.23000	-25.00000	0.00000	0.0	4.4250	-4.4250
26.000	5.23000	-26.00000	0.00000	0.0	4.0500	-4.0500
27.000	5.23000	-27.00000	0.00000	0.0	3.6750	-3.6750
28.000	5.23000	-28.00000	0.00000	0.0	3.3000	-3.3000
29.000	5.23000	-29.00000	0.00000	0.0	2.9250	-2.9250
30.000	5.23000	-30.00000	0.00000	0.0	2.5500	-2.5500
31.000	5.23000	-31.00000	0.00000	0.0	2.1750	-2.1750
32.000	5.23000	-32.00000	0.00000	0.0	1.8000	-1.8000
33.000	5.23000	-33.00000	0.00000	0.0	1.4250	-1.4250
34.000	5.23000	-34.00000	0.00000	0.0	1.0500	-1.0500
35.000	5.23000	-35.00000	0.00000	0.0	0.67500	-0.67500
36.000	5.23000	-36.00000	0.00000	0.0	0.30000	-0.30000
37.000	5.23000	-37.00000	0.00000	0.0	0.0	0.0
38.000	5.23000	-38.00000	0.00000	0.0	0.0	0.0
39.000	5.23000	-39.00000	0.00000	0.0	0.0	0.0
40.000	5.23000	-40.00000	0.00000	0.0	0.0	0.0
41.000	5.23000	-41.00000	0.00000	0.0	0.0	0.0
42.000	5.23000	-42.00000	0.00000	0.0	0.0	0.0
43.000	5.23000	-43.00000	0.00000	0.0	0.0	0.0
44.000	5.23000	-44.00000	0.00000	0.0	0.0	0.0
45.000	5.23000	-45.00000	0.00000	0.0	0.0	0.0
46.000	5.23000	-46.00000	0.00000	0.0	0.0	0.0
47.000	5.23000	-47.00000	0.00000	0.0	0.0	0.0
48.000	5.23000	-48.00000	0.00000	0.0	0.0	0.0
49.000	5.23000	-49.00000	0.00000	0.0	0.0	0.0
50.000	5.23000	-50.00000	0.00000	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	6.1871
1.0000	-1.00000	4.65000	0.00000	7.0381
2.0000	-2.00000	4.65000	0.00000	7.6903
3.0000	-3.00000	4.65000	0.00000	8.1628
4.0000	-4.00000	4.65000	0.00000	8.4736
5.0000	-5.00000	4.65000	0.00000	8.6401
6.0000	-6.00000	4.65000	0.00000	8.6789
7.0000	-7.00000	4.65000	0.00000	8.6057
8.0000	-8.00000	4.65000	0.00000	8.4353
9.0000	-9.00000	4.65000	0.00000	8.1818
10.000	-10.00000	4.65000	0.00000	7.8586
11.000	-11.00000	4.65000	0.00000	7.4780
12.000	-12.00000	4.65000	0.00000	7.0518
13.000	-13.00000	4.65000	0.00000	6.5906
14.000	-14.00000	4.65000	0.00000	6.1046
15.000	-15.00000	4.65000	0.00000	5.6029
16.000	-16.00000	4.65000	0.00000	5.0940
17.000	-17.00000	4.65000	0.00000	4.5853
18.000	-18.00000	4.65000	0.00000	4.0836
19.000	-19.00000	4.65000	0.00000	3.5948
20.000	-20.00000	4.65000	0.00000	3.1242
21.000	-21.00000	4.65000	0.00000	2.6758
22.000	-22.00000	4.65000	0.00000	2.2533
23.000	-23.00000	4.65000	0.00000	1.8594
24.000	-24.00000	4.65000	0.00000	1.4958
25.000	-25.00000	4.65000	0.00000	1.1635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	6.1871
1.0000	-1.00000	23.42000	0.00000	7.0381
2.0000	-2.00000	23.42000	0.00000	7.6903
3.0000	-3.00000	23.42000	0.00000	8.1628
4.0000	-4.00000	23.42000	0.00000	8.4736
5.0000	-5.00000	23.42000	0.00000	8.6401
6.0000	-6.00000	23.42000	0.00000	8.6789
7.0000	-7.00000	23.42000	0.00000	8.6057
8.0000	-8.00000	23.42000	0.00000	8.4353
9.0000	-9.00000	23.42000	0.00000	8.1818
10.000	-10.00000	23.42000	0.00000	7.8586
11.000	-11.00000	23.42000	0.00000	7.4780
12.000	-12.00000	23.42000	0.00000	7.0518
13.000	-13.00000	23.42000	0.00000	6.5906
14.000	-14.00000	23.42000	0.00000	6.1046
15.000	-15.00000	23.42000	0.00000	5.6029
16.000	-16.00000	23.42000	0.00000	5.0940
17.000	-17.00000	23.42000	0.00000	4.5853
18.000	-18.00000	23.42000	0.00000	4.0836
19.000	-19.00000	23.42000	0.00000	3.5948
20.000	-20.00000	23.42000	0.00000	3.1242
21.000	-21.00000	23.42000	0.00000	2.6758
22.000	-22.00000	23.42000	0.00000	2.2533
23.000	-23.00000	23.42000	0.00000	1.8594
24.000	-24.00000	23.42000	0.00000	1.4958
25.000	-25.00000	23.42000	0.00000	1.1635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	6.1871
1.0000	-1.00000	23.42000	0.00000	7.0381
2.0000	-2.00000	23.42000	0.00000	7.6903
3.0000	-3.00000	23.42000	0.00000	8.1628
4.0000	-4.00000	23.42000	0.00000	8.4736
5.0000	-5.00000	23.42000	0.00000	8.6401
6.0000	-6.00000	23.42000	0.00000	8.6789
7.0000	-7.00000	23.42000	0.00000	8.6057
8.0000	-8.00000	23.42000	0.00000	8.4353
9.0000	-9.00000	23.42000	0.00000	8.1818
10.000	-10.00000	23.42000	0.00000	7.8586
11.000	-11.00000	23.42000	0.00000	7.4780
12.000	-12.00000	23.42000	0.00000	7.0518
13.000	-13.00000	23.42000	0.00000	6.5906
14.000	-14.00000	23.42000	0.00000	6.1046
15.000	-15.00000	23.42000	0.00000	5.6029
16.000	-16.00000	23.42000	0.00000	5.0940
17.000	-17.00000	23.42000	0.00000	4.5853
18.000	-18.00000	23.42000	0.00000	4.0836
19.000	-19.00000	23.42000	0.00000	3.5948
20.000	-20.00000	23.42000	0.00000	3.1242
21.000	-21.00000	23.42000	0.00000	2.6758
22.000	-22.00000	23.42000	0.00000	2.2533
23.000	-23.00000	23.42000	0.00000	1.8594
24.000	-24.00000	23.42000	0.00000	1.4958
25.000	-25.00000	23.42000	0.00000	1.1635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242
21.0000	17.50000	48.09000	0.00000	2.6758
22.0000	17.50000	49.09000	0.00000	2.2533
23.0000	17.50000	50.09000	0.00000	1.8594
24.0000	17.50000	51.09000	0.00000	1.4958
25.0000	17.50000	52.09000	0.00000	1.1635
26.0000	17.50000	53.09000	0.00000	0.86297
27.0000	17.50000	54.09000	0.00000	0.69343
28.0000	17.50000	55.09000	0.00000	0.55351
29.0000	17.50000	56.09000	0.00000	0.44100
30.0000	17.50000	57.09000	0.00000	0.35286
31.0000	17.50000	58.09000	0.00000	0.28522
32.0000	17.50000	59.09000	0.00000	0.23343
33.0000	17.50000	60.09000	0.00000	0.19200
34.0000	17.50000	61.09000	0.00000	0.15463
35.0000	17.50000	62.09000	0.00000	0.11420
36.0000	17.50000	63.09000	0.00000	0.062791
37.0000	17.50000	64.09000	0.00000	0.0
38.0000	17.50000	65.09000	0.00000	0.0
39.0000	17.50000	66.09000	0.00000	0.0
40.0000	17.50000	67.09000	0.00000	0.0
41.0000	17.50000	68.09000	0.00000	0.0
42.0000	17.50000	69.09000	0.00000	0.0
43.0000	17.50000	70.09000	0.00000	0.0
44.0000	17.50000	71.09000	0.00000	0.0
45.0000	17.50000	72.09000	0.00000	0.0
46.0000	17.50000	73.09000	0.00000	0.0
47.0000	17.50000	74.09000	0.00000	0.0
48.0000	17.50000	75.09000	0.00000	0.0
49.0000	17.50000	76.09000	0.00000	0.0
50.0000	17.50000	77.09000	0.00000	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242
21.0000	17.50000	48.09000	0.00000	2.6758
22.0000	17.50000	49.09000	0.00000	2.2533
23.0000	17.50000	50.09000	0.00000	1.8594
24.0000	17.50000	51.09000	0.00000	1.4958
25.0000	17.50000	52.09000	0.00000	1.1635
26.0000	17.50000	53.09000	0.00000	0.86297
27.0000	17.50000	54.09000	0.00000	0.69343
28.0000	17.50000	55.09000	0.00000	0.55351
29.0000	17.50000	56.09000	0.00000	0.44100
30.0000	17.50000	57.09000	0.00000	0.35286
31.0000	17.50000	58.09000	0.00000	0.28522
32.0000	17.50000	59.09000	0.00000	0.23343
33.0000	17.50000	60.09000	0.00000	0.19200
34.0000	17.50000	61.09000	0.00000	0.15463
35.0000	17.50000	62.09000	0.00000	0.11420
36.0000	17.50000	63.09000	0.00000	0.062791
37.0000	17.50000	64.09000	0.00000	0.0
38.0000	17.50000	65.09000	0.00000	0.0
39.0000	17.50000	66.09000	0.00000	0.0
40.0000	17.50000	67.09000	0.00000	0.0
41.0000	17.50000	68.09000	0.00000	0.0
42.0000	17.50000	69.09000	0.00000	0.0
43.0000	17.50000	70.09000	0.00000	0.0
44.0000	17.50000	71.09000	0.00000	0.0
45.0000	17.50000	72.09000	0.00000	0.0
46.0000	17.50000	73.09000	0.00000	0.0
47.0000	17.50000	74.09000	0.00000	0.0
48.0000	17.50000	75.09000	0.00000	0.0
49.0000	17.50000	76.09000	0.00000	0.0
50.0000	17.50000	77.09000	0.00000	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.0000	17.50000	37.09000	0.00000	7.8586
11.0000	17.50000	38.09000	0.00000	7.4780
12.0000	17.50000	39.09000	0.00000	7.0518
13.0000	17.50000	40.09000	0.00000	6.5906
14.0000	17.50000	41.09000	0.00000	6.1046
15.0000	17.50000	42.09000	0.00000	5.6029
16.0000	17.50000	43.09000	0.00000	5.0940
17.0000	17.50000	44.09000	0.00000	4.5853
18.0000	17.50000	45.09000	0.00000	4.0836
19.0000	17.50000	46.09000	0.00000	3.5948
20.0000	17.50000	47.09000	0.00000	3.1242

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-D | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.000	17.50000	37.09000	0.00000	7.8586
11.000	17.50000	38.09000	0.00000	7.4780
12.000	17.50000	39.09000	0.00000	7.0518
13.000	17.50000	40.09000	0.00000	6.5906
14.000	17.50000	41.09000	0.00000	6.1046
15.000	17.50000	42.09000	0.00000	5.6029
16.000	17.50000	43.09000	0.00000	5.0940
17.000	17.50000	44.09000	0.00000	4.5853
18.000	17.50000	45.09000	0.00000	4.0836
19.000	17.50000	46.09000	0.00000	3.5948
20.000	17.50000	47.09000	0.00000	3.1242
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	6.1871
1.0000	17.50000	28.09000	0.00000	7.0381
2.0000	17.50000	29.09000	0.00000	7.6903
3.0000	17.50000	30.09000	0.00000	8.1628
4.0000	17.50000	31.09000	0.00000	8.4736
5.0000	17.50000	32.09000	0.00000	8.6401
6.0000	17.50000	33.09000	0.00000	8.6789
7.0000	17.50000	34.09000	0.00000	8.6057
8.0000	17.50000	35.09000	0.00000	8.4353
9.0000	17.50000	36.09000	0.00000	8.1818
10.000	17.50000	37.09000	0.00000	7.8586
11.000	17.50000	38.09000	0.00000	7.4780
12.000	17.50000	39.09000	0.00000	7.0518
13.000	17.50000	40.09000	0.00000	6.5906
14.000	17.50000	41.09000	0.00000	6.1046
15.000	17.50000	42.09000	0.00000	5.6029
16.000	17.50000	43.09000	0.00000	5.0940
17.000	17.50000	44.09000	0.00000	4.5853
18.000	17.50000	45.09000	0.00000	4.0836
19.000	17.50000	46.09000	0.00000	3.5948
20.000	17.50000	47.09000	0.00000	3.1242
21.000	17.50000	48.09000	0.00000	2.6758
22.000	17.50000	49.09000	0.00000	2.2533
23.000	17.50000	50.09000	0.00000	1.8594
24.000	17.50000	51.09000	0.00000	1.4958
25.000	17.50000	52.09000	0.00000	1.1635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.000	36.21000	23.42000	0.00000	7.8586
11.000	37.21000	23.42000	0.00000	7.4780
12.000	38.21000	23.42000	0.00000	7.0518
13.000	39.21000	23.42000	0.00000	6.5906
14.000	40.21000	23.42000	0.00000	6.1046
15.000	41.21000	23.42000	0.00000	5.6029
16.000	42.21000	23.42000	0.00000	5.0940
17.000	43.21000	23.42000	0.00000	4.5853
18.000	44.21000	23.42000	0.00000	4.0836
19.000	45.21000	23.42000	0.00000	3.5948
20.000	46.21000	23.42000	0.00000	3.1242
21.000	47.21000	23.42000	0.00000	2.6758
22.000	48.21000	23.42000	0.00000	2.2533
23.000	49.21000	23.42000	0.00000	1.8594
24.000	50.21000	23.42000	0.00000	1.4958
25.000	51.21000	23.42000	0.00000	1.1635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.000	36.21000	23.42000	0.00000	7.8586
11.000	37.21000	23.42000	0.00000	7.4780
12.000	38.21000	23.42000	0.00000	7.0518
13.000	39.21000	23.42000	0.00000	6.5906
14.000	40.21000	23.42000	0.00000	6.1046
15.000	41.21000	23.42000	0.00000	5.6029
16.000	42.21000	23.42000	0.00000	5.0940
17.000	43.21000	23.42000	0.00000	4.5853
18.000	44.21000	23.42000	0.00000	4.0836
19.000	45.21000	23.42000	0.00000	3.5948
20.000	46.21000	23.42000	0.00000	3.1242
21.000	47.21000	23.42000	0.00000	2.6758
22.000	48.21000	23.42000	0.00000	2.2533
23.000	49.21000	23.42000	0.00000	1.8594
24.000	50.21000	23.42000	0.00000	1.4958
25.000	51.21000	23.42000	0.00000	1.1635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.0000	36.21000	23.42000	0.00000	7.8586
11.0000	37.21000	23.42000	0.00000	7.4780
12.0000	38.21000	23.42000	0.00000	7.0518
13.0000	39.21000	23.42000	0.00000	6.5906
14.0000	40.21000	23.42000	0.00000	6.1046
15.0000	41.21000	23.42000	0.00000	5.6029
16.0000	42.21000	23.42000	0.00000	5.0940
17.0000	43.21000	23.42000	0.00000	4.5853
18.0000	44.21000	23.42000	0.00000	4.0836
19.0000	45.21000	23.42000	0.00000	3.5948
20.0000	46.21000	23.42000	0.00000	3.1242
21.0000	47.21000	23.42000	0.00000	2.6758
22.0000	48.21000	23.42000	0.00000	2.2533
23.0000	49.21000	23.42000	0.00000	1.8594
24.0000	50.21000	23.42000	0.00000	1.4958
25.0000	51.21000	23.42000	0.00000	1.1635
26.0000	52.21000	23.42000	0.00000	0.86297
27.0000	53.21000	23.42000	0.00000	0.69343
28.0000	54.21000	23.42000	0.00000	0.55351
29.0000	55.21000	23.42000	0.00000	0.44100
30.0000	56.21000	23.42000	0.00000	0.35286
31.0000	57.21000	23.42000	0.00000	0.28522
32.0000	58.21000	23.42000	0.00000	0.23343
33.0000	59.21000	23.42000	0.00000	0.19200
34.0000	60.21000	23.42000	0.00000	0.15463
35.0000	61.21000	23.42000	0.00000	0.11420
36.0000	62.21000	23.42000	0.00000	0.062791
37.0000	63.21000	23.42000	0.00000	0.0
38.0000	64.21000	23.42000	0.00000	0.0
39.0000	65.21000	23.42000	0.00000	0.0
40.0000	66.21000	23.42000	0.00000	0.0
41.0000	67.21000	23.42000	0.00000	0.0
42.0000	68.21000	23.42000	0.00000	0.0
43.0000	69.21000	23.42000	0.00000	0.0
44.0000	70.21000	23.42000	0.00000	0.0
45.0000	71.21000	23.42000	0.00000	0.0
46.0000	72.21000	23.42000	0.00000	0.0
47.0000	73.21000	23.42000	0.00000	0.0
48.0000	74.21000	23.42000	0.00000	0.0
49.0000	75.21000	23.42000	0.00000	0.0
50.0000	76.21000	23.42000	0.00000	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	6.1871
1.0000	27.21000	23.42000	0.00000	7.0381
2.0000	28.21000	23.42000	0.00000	7.6903
3.0000	29.21000	23.42000	0.00000	8.1628
4.0000	30.21000	23.42000	0.00000	8.4736
5.0000	31.21000	23.42000	0.00000	8.6401
6.0000	32.21000	23.42000	0.00000	8.6789
7.0000	33.21000	23.42000	0.00000	8.6057
8.0000	34.21000	23.42000	0.00000	8.4353
9.0000	35.21000	23.42000	0.00000	8.1818
10.0000	36.21000	23.42000	0.00000	7.8586
11.0000	37.21000	23.42000	0.00000	7.4780
12.0000	38.21000	23.42000	0.00000	7.0518
13.0000	39.21000	23.42000	0.00000	6.5906
14.0000	40.21000	23.42000	0.00000	6.1046
15.0000	41.21000	23.42000	0.00000	5.6029
16.0000	42.21000	23.42000	0.00000	5.0940
17.0000	43.21000	23.42000	0.00000	4.5853
18.0000	44.21000	23.42000	0.00000	4.0836
19.0000	45.21000	23.42000	0.00000	3.5948
20.0000	46.21000	23.42000	0.00000	3.1242
21.0000	47.21000	23.42000	0.00000	2.6758
22.0000	48.21000	23.42000	0.00000	2.2533
23.0000	49.21000	23.42000	0.00000	1.8594
24.0000	50.21000	23.42000	0.00000	1.4958
25.0000	51.21000	23.42000	0.00000	1.1635
26.0000	52.21000	23.42000	0.00000	0.86297
27.0000	53.21000	23.42000	0.00000	0.69343
28.0000	54.21000	23.42000	0.00000	0.55351
29.0000	55.21000	23.42000	0.00000	0.44100
30.0000	56.21000	23.42000	0.00000	0.35286
31.0000	57.21000	23.42000	0.00000	0.28522
32.0000	58.21000	23.42000	0.00000	0.23343
33.0000	59.21000	23.42000	0.00000	0.19200
34.0000	60.21000	23.42000	0.00000	0.15463
35.0000	61.21000	23.42000	0.00000	0.11420
36.0000	62.21000	23.42000	0.00000	0.062791
37.0000	63.21000	23.42000	0.00000	0.0
38.0000	64.21000	23.42000	0.00000	0.0
39.0000	65.21000	23.42000	0.00000	0.0
40.0000	66.21000	23.42000	0.00000	0.0
41.0000	67.21000	23.42000	0.00000	0.0
42.0000	68.21000	23.42000	0.00000	0.0
43.0000	69.21000	23.42000	0.00000	0.0
44.0000	70.21000	23.42000	0.00000	0.0
45.0000	71.21000	23.42000	0.00000	0.0
46.0000	72.21000	23.42000	0.00000	0.0
47.0000	73.21000	23.42000	0.00000	0.0
48.0000	74.21000	23.42000	0.00000	0.0
49.0000	75.21000	23.42000	0.00000	0.0
50.0000	76.21000	23.42000	0.00000	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.0000	36.21000	6.50000	0.00000	7.8586
11.0000	37.21000	6.50000	0.00000	7.4780
12.0000	38.21000	6.50000	0.00000	7.0518
13.0000	39.21000	6.50000	0.00000	6.5906
14.0000	40.21000	6.50000	0.00000	6.1046
15.0000	41.21000	6.50000	0.00000	5.6029
16.0000	42.21000	6.50000	0.00000	5.0940
17.0000	43.21000	6.50000	0.00000	4.5853
18.0000	44.21000	6.50000	0.00000	4.0836
19.0000	45.21000	6.50000	0.00000	3.5948
20.0000	46.21000	6.50000	0.00000	3.1242

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.000	36.21000	6.50000	0.00000	7.8586
11.000	37.21000	6.50000	0.00000	7.4780
12.000	38.21000	6.50000	0.00000	7.0518
13.000	39.21000	6.50000	0.00000	6.5906
14.000	40.21000	6.50000	0.00000	6.1046
15.000	41.21000	6.50000	0.00000	5.6029
16.000	42.21000	6.50000	0.00000	5.0940
17.000	43.21000	6.50000	0.00000	4.5853
18.000	44.21000	6.50000	0.00000	4.0836
19.000	45.21000	6.50000	0.00000	3.5948
20.000	46.21000	6.50000	0.00000	3.1242
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	6.1871
1.0000	27.21000	6.50000	0.00000	7.0381
2.0000	28.21000	6.50000	0.00000	7.6903
3.0000	29.21000	6.50000	0.00000	8.1628
4.0000	30.21000	6.50000	0.00000	8.4736
5.0000	31.21000	6.50000	0.00000	8.6401
6.0000	32.21000	6.50000	0.00000	8.6789
7.0000	33.21000	6.50000	0.00000	8.6057
8.0000	34.21000	6.50000	0.00000	8.4353
9.0000	35.21000	6.50000	0.00000	8.1818
10.000	36.21000	6.50000	0.00000	7.8586
11.000	37.21000	6.50000	0.00000	7.4780
12.000	38.21000	6.50000	0.00000	7.0518
13.000	39.21000	6.50000	0.00000	6.5906
14.000	40.21000	6.50000	0.00000	6.1046
15.000	41.21000	6.50000	0.00000	5.6029
16.000	42.21000	6.50000	0.00000	5.0940
17.000	43.21000	6.50000	0.00000	4.5853
18.000	44.21000	6.50000	0.00000	4.0836
19.000	45.21000	6.50000	0.00000	3.5948
20.000	46.21000	6.50000	0.00000	3.1242
21.000	47.21000	6.50000	0.00000	2.6758
22.000	48.21000	6.50000	0.00000	2.2533
23.000	49.21000	6.50000	0.00000	1.8594
24.000	50.21000	6.50000	0.00000	1.4958
25.000	51.21000	6.50000	0.00000	1.1635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	5.23000	0.00000	0.00000	6.1871
1.0000	5.23000	-1.00000	0.00000	7.0381
2.0000	5.23000	-2.00000	0.00000	7.6903
3.0000	5.23000	-3.00000	0.00000	8.1628
4.0000	5.23000	-4.00000	0.00000	8.4736
5.0000	5.23000	-5.00000	0.00000	8.6401
6.0000	5.23000	-6.00000	0.00000	8.6789
7.0000	5.23000	-7.00000	0.00000	8.6057
8.0000	5.23000	-8.00000	0.00000	8.4353
9.0000	5.23000	-9.00000	0.00000	8.1818
10.000	5.23000	-10.00000	0.00000	7.8586
11.000	5.23000	-11.00000	0.00000	7.4780
12.000	5.23000	-12.00000	0.00000	7.0518
13.000	5.23000	-13.00000	0.00000	6.5906
14.000	5.23000	-14.00000	0.00000	6.1046
15.000	5.23000	-15.00000	0.00000	5.6029
16.000	5.23000	-16.00000	0.00000	5.0940
17.000	5.23000	-17.00000	0.00000	4.5853
18.000	5.23000	-18.00000	0.00000	4.0836
19.000	5.23000	-19.00000	0.00000	3.5948
20.000	5.23000	-20.00000	0.00000	3.1242
21.000	5.23000	-21.00000	0.00000	2.6758
22.000	5.23000	-22.00000	0.00000	2.2533
23.000	5.23000	-23.00000	0.00000	1.8594
24.000	5.23000	-24.00000	0.00000	1.4958
25.000	5.23000	-25.00000	0.00000	1.1635
26.000	5.23000	-26.00000	0.00000	0.86297
27.000	5.23000	-27.00000	0.00000	0.69343
28.000	5.23000	-28.00000	0.00000	0.55351
29.000	5.23000	-29.00000	0.00000	0.44100
30.000	5.23000	-30.00000	0.00000	0.35286
31.000	5.23000	-31.00000	0.00000	0.28522
32.000	5.23000	-32.00000	0.00000	0.23343
33.000	5.23000	-33.00000	0.00000	0.19200
34.000	5.23000	-34.00000	0.00000	0.15463
35.000	5.23000	-35.00000	0.00000	0.11420
36.000	5.23000	-36.00000	0.00000	0.062791
37.000	5.23000	-37.00000	0.00000	0.0
38.000	5.23000	-38.00000	0.00000	0.0
39.000	5.23000	-39.00000	0.00000	0.0
40.000	5.23000	-40.00000	0.00000	0.0
41.000	5.23000	-41.00000	0.00000	0.0
42.000	5.23000	-42.00000	0.00000	0.0
43.000	5.23000	-43.00000	0.00000	0.0
44.000	5.23000	-44.00000	0.00000	0.0
45.000	5.23000	-45.00000	0.00000	0.0
46.000	5.23000	-46.00000	0.00000	0.0
47.000	5.23000	-47.00000	0.00000	0.0
48.000	5.23000	-48.00000	0.00000	0.0
49.000	5.23000	-49.00000	0.00000	0.0
50.000	5.23000	-50.00000	0.00000	0.0

Specific Building Damage Results - All Segments

Structure: 1-A | Sub-structure:

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	5.5000	Sagging	0.011395	0.056504	0.065850	-583.93E-6	-850.51E-6	4919.6	1 (Very Slight)

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

Structure: 1-B | Sub-structure:

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	5.5000	Sagging	0.0056843	0.051888	0.056551	-541.67E-6	380.38E-6	6332.2	1 (Very Slight)

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

Structure: 1-C | Sub-structure:

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	4.9923	Sagging	0.0013208	0.047430	0.048427	-490.95E-6	508.73E-6	26781.	0 (Negligible)
	2	4.9923	4.3077	Hogging	735.06E-6	0.043187	0.043440	-457.14E-6	508.73E-6	27613.	0 (Negligible)

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

Structure: 1-D | Sub-structure:

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	8.2801	Hogging	0.0028480	0.037500	0.039743	-374.86E-6	300.47E-6	5839.9	0 (Negligible)
	2	8.2801	1.5199	Sagging	68.605E-6	0.037500	0.037521	-374.86E-6	51.394E-6	78698.	0 (Negligible)

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

Structure: 2-A | Sub-structure:

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]	

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement	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
0.0	1	0.0	15.992	Sagging	0.018123	0.052084	0.074849	-583.93E-6	-850.51E-6	4919.6	1 (Very Slight)
	2	15.992	3.0077	Hogging	364.91E-6	0.044047	0.044102	-457.14E-6	508.73E-6	69403.	0 (Negligible)

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

Structure: 2-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.400	Hogging	[%] 0.0044366	[%] 0.037500	[%] 0.040819	-374.86E-6	363.47E-6	[m] 12446.	0 (Negligible)

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

Structure: 3-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.3800	Sagging	[%] 0.0097938	[%] 0.056974	[%] 0.065959	-583.93E-6	-850.51E-6	[m] 4642.5	1 (Very Slight)

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

Structure: 3-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 3.6900	Sagging	[%] 0.0052443	[%] 0.053602	[%] 0.060014	-550.12E-6	253.32E-6	[m] 6014.0	1 (Very Slight)

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

Structure: 3-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.0468	Sagging	[%] 0.0036290	[%] 0.048615	[%] 0.053544	-516.31E-6	508.73E-6	[m] 13184.	1 (Very Slight)
	2	8.0468	0.25318	Hogging	0.0	0.044888	0.044888	-448.68E-6	508.47E-6	705060.	0 (Negligible)

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

Structure: 3-D | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 9.4000	Hogging	[%] 0.0028993	[%] 0.039808	[%] 0.042619	-448.68E-6	508.47E-6	[m] 27284.	0 (Negligible)

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

Structure: 3-E | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 7.7719	Hogging	[%] 0.0022500	[%] 0.037500	[%] 0.038665	-374.86E-6	300.47E-6	[m] 4347.0	0 (Negligible)
	2	7.7719	1.4581	Sagging	65.599E-6	0.037500	0.037513	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 4-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.7100	Sagging	[%] 0.011769	[%] 0.056419	[%] 0.069035	-583.93E-6	-850.51E-6	[m] 4919.6	1 (Very Slight)

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

Structure: 4-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.5300	Sagging	[%] 0.0054693	[%] 0.051681	[%] 0.057411	-541.67E-6	426.05E-6	[m] 5491.1	1 (Very Slight)

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

Structure: 4-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.7774	Sagging	[%] 0.0012261	[%] 0.047333	[%] 0.048483	-490.95E-6	508.73E-6	[m] 23377.	0 (Negligible)
	2	4.7774	0.15262	None	0.0	0.044888	0.044888	-448.68E-6	508.47E-6	990460.	0 (Negligible)

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

Structure: 4-D | Sub-structure:

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
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Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

[m] 0.0	1	[m] 0.0	[m] 17.372	Hogging	[%] 0.0081024	[%] 0.038834	[%] 0.049923	-448.68E-6	508.47E-6	[m] 12394.	0
	2	17.372	1.4581	Sagging	65.599E-6	0.037500	0.037521	-374.86E-6	51.394E-6	109940.	(Negligible) 0
											(Negligible)

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

Structure: 5-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 6.4200	Sagging	[%] 0.012830	[%] 0.056118	[%] 0.068058	-583.93E-6	-850.51E-6	[m] 4919.6	1 (Very Slight)

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

Structure: 5-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.9800	Sagging	[%] 0.0056178	[%] 0.049619	[%] 0.056265	-533.22E-6	508.73E-6	[m] 7683.5	1 (Very Slight)

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

Structure: 5-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 0.22162	None	[%] 0.0	[%] 0.045735	[%] 0.045735	-457.14E-6	508.73E-6	[m] 1.0816E+6	0 (Negligible)
	2	0.22162	17.920	Hogging	0.0081464	0.039037	0.048663	-457.14E-6	508.73E-6	12612.	0 (Negligible)
	3	18.142	1.4581	Sagging	65.599E-6	0.037500	0.037515	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 6-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.790	Hogging	[%] 0.0056590	[%] 0.038225	[%] 0.040949	-431.78E-6	488.53E-6	[m] 12417.	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: 1-A | Sub-structure:

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] 0.0	[%] 0.011395	[%] 0.056504	-850.51E-6	[mm] 8.6595	[%] 0.065850	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)

Structure: 1-B | Sub-structure:

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] 0.0	[%] 0.0056843	[%] 0.051888	380.38E-6	[mm] 8.6789	[%] 0.056551	-541.67E-6	380.38E-6	[m] -	[m] 6332.2	1 (Very Slight)

Structure: 1-C | Sub-structure:

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] 0.0	[%] 0.0013208	[%] 0.047430	508.73E-6	[mm] 7.4780	[%] 0.048427	-490.95E-6	508.73E-6	[m] 27613.	[m] 26781.	0 (Negligible)

Structure: 1-D | Sub-structure:

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] 0.0	[%] 0.0028480	[%] 0.037500	300.47E-6	[mm] 1.1034	[%] 0.039743	-374.86E-6	300.47E-6	[m] 5839.9	[m] 78698.	0 (Negligible)

Structure: 2-A | Sub-structure:

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] 0.0	[%] 0.018123	[%] 0.052084	-850.51E-6	[mm] 8.6780	[%] 0.074849	-583.93E-6	-850.51E-6	[m] 69403.	[m] 4919.6	1 (Very Slight)

Structure: 2-B | Sub-structure:

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
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Table 5



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by	Date	Checked
TRL	11-Dec-2018	

[m] 0.0	[%] 0.0044366	[%] 0.037500	363.47E-6	[mm] 1.6412	[%] 0.040819	-374.86E-6	363.47E-6	[m] 12446.	[m] - 0	(Negligible)
Structure: 3-A Sub-structure:										
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] 0.0	[%] 0.0097938	[%] 0.056974	-850.51E-6	[mm] 8.5369	[%] 0.065959	-583.93E-6	-850.51E-6	[m] -	[m] 4642.5	1 (Very Slight)
Structure: 3-B Sub-structure:										
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] 0.0	[%] 0.0052443	[%] 0.053602	253.32E-6	[mm] 8.6783	[%] 0.060014	-550.12E-6	253.32E-6	[m] -	[m] 6014.0	1 (Very Slight)
Structure: 3-C Sub-structure:										
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] 0.0	[%] 0.0036290	[%] 0.048615	508.73E-6	[mm] 8.4175	[%] 0.053544	-516.31E-6	508.73E-6	[m] 705060.	[m] 13184.	1 (Very Slight)
Structure: 3-D Sub-structure:										
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] 0.0	[%] 0.0028993	[%] 0.039808	508.47E-6	[mm] 4.9058	[%] 0.042619	-448.68E-6	508.47E-6	[m] 27284.	[m] -	0 (Negligible)
Structure: 3-E Sub-structure:										
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] 0.0	[%] 0.0022500	[%] 0.037500	300.47E-6	[mm] 0.93210	[%] 0.038665	-374.86E-6	300.47E-6	[m] 4347.0	[m] 109940.	0 (Negligible)
Structure: 4-A Sub-structure:										
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] 0.0	[%] 0.011769	[%] 0.056419	-850.51E-6	[mm] 8.6677	[%] 0.069035	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)
Structure: 4-B Sub-structure:										
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] 0.0	[%] 0.0054693	[%] 0.051681	426.05E-6	[mm] 8.6785	[%] 0.057411	-541.67E-6	426.05E-6	[m] -	[m] 5491.1	1 (Very Slight)
Structure: 4-C Sub-structure:										
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] 0.0	[%] 0.0012261	[%] 0.047333	508.73E-6	[mm] 7.3757	[%] 0.048483	-490.95E-6	508.73E-6	[m] -	[m] 23377.	0 (Negligible)
Structure: 4-D Sub-structure:										
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] 0.0	[%] 0.0081024	[%] 0.038834	508.47E-6	[mm] 5.0075	[%] 0.049923	-448.68E-6	508.47E-6	[m] 12394.	[m] 109940.	0 (Negligible)
Structure: 5-A Sub-structure:										
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] 0.0	[%] 0.012830	[%] 0.056118	-850.51E-6	[mm] 8.6776	[%] 0.068058	-583.93E-6	-850.51E-6	[m] -	[m] 4919.6	1 (Very Slight)
Structure: 5-B Sub-structure:										
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] 0.0	[%] 0.0056178	[%] 0.049619	508.73E-6	[mm] 8.6482	[%] 0.056265	-533.22E-6	508.73E-6	[m] -	[m] 7683.5	1 (Very Slight)

Table 5



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Job No.	Sheet No.	Rev.
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Made by TRL	Date 11-Dec-2018	Checked

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	0.0081464	0.045735	508.73E-6	5.3994	0.048663	-457.14E-6	508.73E-6	12612.	109940.0	0 (Negligible)

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	0.0056590	0.038225	488.53E-6	3.8539	0.040949	-431.78E-6	488.53E-6	12417.	-0	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]		
1-A	Max Slope		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	850.51E-6	8.6595	0.065850	-	4919.6	1 (Very Slight)
1-B	Max Slope		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Max Settlement		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	380.38E-6	8.6789	0.056551	-	6332.2	1 (Very Slight)
1-C	Max Slope		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Max Settlement		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Max Tensile Strain		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
	Min Radius of Curvature (Hogging)		2	4.9923	9.3000	Hogging	508.73E-6	5.0979	0.043440	27613.	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	4.9923	Sagging	508.73E-6	7.4780	0.048427	-	26781.0	0 (Negligible)
1-D	Max Slope		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	-0	0 (Negligible)
	Max Settlement		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	-0	0 (Negligible)
	Max Tensile Strain		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	-0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	8.2801	Hogging	300.47E-6	1.1034	0.039743	5839.9	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		2	8.2801	9.8000	Sagging	51.394E-6	0.17406	0.037521	-	78698.0	0 (Negligible)
2-A	Max Slope		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
	Min Radius of Curvature (Hogging)		2	15.992	19.000	Hogging	508.73E-6	5.0979	0.044102	69403.	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	15.992	Sagging	850.51E-6	8.6780	0.074849	-	4919.6	1 (Very Slight)
2-B	Max Slope		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	-0	0 (Negligible)
	Max Settlement		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	-0	0 (Negligible)
	Max Tensile Strain		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	-0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	10.400	Hogging	363.47E-6	1.6412	0.040819	12446.	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-A	Max Slope		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Max Settlement		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Max Tensile Strain		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	4.3800	Sagging	850.51E-6	8.5369	0.065959	-	4642.5	1 (Very Slight)
3-B	Max Slope		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Max Settlement		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Max Tensile Strain		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	3.6900	Sagging	253.32E-6	8.6783	0.060014	-	6014.0	1 (Very Slight)
3-C	Max Slope		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Max Settlement		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
	Min Radius of Curvature (Hogging)		2	8.0468	8.3000	Hogging	508.47E-6	5.0346	0.044888	705060.	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		1	0.0	8.0468	Sagging	508.73E-6	8.4175	0.053544	-	13184.1	1 (Very Slight)
3-D	Max Slope		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	-0	0 (Negligible)
	Max Settlement		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	-0	0 (Negligible)
	Max Tensile Strain		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	-0	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	9.4000	Hogging	508.47E-6	4.9058	0.042619	27284.	-0	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-E	Max Slope		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	-0	0 (Negligible)
	Max Settlement		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	-0	0 (Negligible)
	Max Tensile Strain		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	-0	0 (Negligible)
	Min Radius of		1	0.0	7.7719	Hogging	300.47E-6	0.93210	0.038665	4347.0	-0	0 (Negligible)

Table 5



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

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
4-A	Curvature (Hogging)											
	Min Radius of Curvature (Sagging)		2	7.7719	9.2300	Sagging	51.394E-6	0.17175	0.037513	-	109940.0	(Negligible)
	Max Slope		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
4-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.7100	Sagging	850.51E-6	8.6677	0.069035	-	4919.6	1 (Very Slight)
	Max Slope		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Settlement		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
4-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5300	Sagging	426.05E-6	8.6785	0.057411	-	5491.1	1 (Very Slight)
	Max Slope		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Settlement		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Tensile Strain		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
4-D	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	4.7774	Sagging	508.73E-6	7.3757	0.048483	-	23377.0	(Negligible)
	Max Slope		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
	Max Settlement		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
	Max Tensile Strain		1	0.0	17.372	Hogging	508.47E-6	5.0075	0.049923	12394.	-	0 (Negligible)
5-A	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		2	17.372	18.830	Sagging	51.394E-6	0.17175	0.037521	-	109940.0	(Negligible)
	Max Slope		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Settlement		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
5-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	6.4200	Sagging	850.51E-6	8.6776	0.068058	-	4919.6	1 (Very Slight)
	Max Slope		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Settlement		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
5-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	8.9800	Sagging	508.73E-6	8.6482	0.056265	-	7683.5	1 (Very Slight)
	Max Slope		1	0.0	0.22162	Sagging	508.73E-6	5.3994	0.045735	-	1.0816E+6	0 (Negligible)
	Max Settlement		1	0.0	0.22162	Sagging	508.73E-6	5.3994	0.045735	-	1.0816E+6	0 (Negligible)
	Max Tensile Strain		2	0.22162	18.142	Hogging	508.73E-6	5.2866	0.048663	12612.	-	0 (Negligible)
6-A	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		3	18.142	19.600	Sagging	51.394E-6	0.17175	0.037515	-	109940.0	(Negligible)
	Max Slope		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Max Settlement		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)
	Max Tensile Strain		1	0.0	10.790	Hogging	488.53E-6	3.8539	0.040949	12417.	-	0 (Negligible)

Specific Building Damage Results - All Combined Segments

Structure: 1-A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 5



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
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Made by TRL	Date 11-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Structure: 2-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 2-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-E Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-A Sub-structure:								

Table 5

Job No.	Sheet No.	Rev.
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Made by TRL	Date 11-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-B Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-C Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 6-A Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 5



APPENDIX F

Short-term ground displacements
(XDisp, 0.04% movements for
wall installation)





7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
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Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0
1.0000	-1.00000	4.65000	0.00000	18.272	0.0
2.0000	-2.00000	4.65000	0.00000	17.477	0.0
3.0000	-3.00000	4.65000	0.00000	16.709	0.0
4.0000	-4.00000	4.65000	0.00000	15.965	0.0
5.0000	-5.00000	4.65000	0.00000	15.244	0.0
6.0000	-6.00000	4.65000	0.00000	14.546	0.0
7.0000	-7.00000	4.65000	0.00000	13.868	0.0
8.0000	-8.00000	4.65000	0.00000	13.208	0.0
9.0000	-9.00000	4.65000	0.00000	12.566	0.0
10.000	-10.00000	4.65000	0.00000	11.940	0.0
11.000	-11.00000	4.65000	0.00000	11.328	0.0
12.000	-12.00000	4.65000	0.00000	10.729	0.0
13.000	-13.00000	4.65000	0.00000	10.141	0.0
14.000	-14.00000	4.65000	0.00000	9.5630	0.0
15.000	-15.00000	4.65000	0.00000	8.9932	0.0
16.000	-16.00000	4.65000	0.00000	8.4301	0.0
17.000	-17.00000	4.65000	0.00000	7.8722	0.0
18.000	-18.00000	4.65000	0.00000	7.3181	0.0
19.000	-19.00000	4.65000	0.00000	6.7662	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0
1.0000	-1.00000	4.65000	0.00000	18.272	0.0
2.0000	-2.00000	4.65000	0.00000	17.477	0.0
3.0000	-3.00000	4.65000	0.00000	16.709	0.0
4.0000	-4.00000	4.65000	0.00000	15.965	0.0
5.0000	-5.00000	4.65000	0.00000	15.244	0.0
6.0000	-6.00000	4.65000	0.00000	14.546	0.0
7.0000	-7.00000	4.65000	0.00000	13.868	0.0
8.0000	-8.00000	4.65000	0.00000	13.208	0.0
9.0000	-9.00000	4.65000	0.00000	12.566	0.0
10.000	-10.00000	4.65000	0.00000	11.940	0.0
11.000	-11.00000	4.65000	0.00000	11.328	0.0
12.000	-12.00000	4.65000	0.00000	10.729	0.0
13.000	-13.00000	4.65000	0.00000	10.141	0.0
14.000	-14.00000	4.65000	0.00000	9.5630	0.0
15.000	-15.00000	4.65000	0.00000	8.9932	0.0
16.000	-16.00000	4.65000	0.00000	8.4301	0.0
17.000	-17.00000	4.65000	0.00000	7.8722	0.0
18.000	-18.00000	4.65000	0.00000	7.3181	0.0
19.000	-19.00000	4.65000	0.00000	6.7662	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements	
	x	y	z	x	y
				Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	23.42000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	23.42000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	23.42000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	23.42000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	23.42000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	23.42000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	23.42000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	23.42000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	23.42000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	23.42000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	23.42000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	23.42000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	23.42000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	23.42000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	23.42000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	23.42000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	23.42000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	23.42000	0.00000	7.8722	0.0	-7.8722

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
18.000	-18.00000	23.42000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	23.42000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	0.00000	23.42000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	23.42000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	23.42000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	23.42000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	23.42000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	23.42000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	23.42000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	23.42000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	23.42000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	23.42000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	23.42000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	23.42000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	23.42000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	23.42000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	23.42000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	23.42000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	23.42000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	23.42000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	23.42000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	23.42000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-D | Sub-structure:

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095	0.0
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272	0.0
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477	0.0
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709	0.0
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965	0.0
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244	0.0
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546	0.0
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868	0.0
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208	0.0
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566	0.0
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940	0.0
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328	0.0
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729	0.0
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141	0.0
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630	0.0
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932	0.0
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301	0.0
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722	0.0
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181	0.0
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662	0.0
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000	0.0
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250	0.0
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500	0.0
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750	0.0
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000	0.0
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250	0.0
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500	0.0
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750	0.0
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000	0.0
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250	0.0
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500	0.0
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750	0.0
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000	0.0
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250	0.0
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500	0.0
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500	0.0
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000	0.0
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095	0.0
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272	0.0
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477	0.0
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709	0.0
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965	0.0
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244	0.0
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546	0.0
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868	0.0
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208	0.0
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566	0.0
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940	0.0
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328	0.0
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729	0.0
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141	0.0
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630	0.0
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932	0.0
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301	0.0
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722	0.0
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181	0.0
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662	0.0
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000	0.0
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250	0.0
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500	0.0
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750	0.0
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000	0.0
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250	0.0
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500	0.0
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750	0.0
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000	0.0
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250	0.0
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500	0.0
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750	0.0
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000	0.0
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250	0.0
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500	0.0
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500	0.0
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000	0.0
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	5.23000	0.00000	0.00000	0.0	19.095	-19.095	0.0
1.0000	5.23000	-1.00000	0.00000	0.0	18.272	-18.272	0.0
2.0000	5.23000	-2.00000	0.00000	0.0	17.477	-17.477	0.0
3.0000	5.23000	-3.00000	0.00000	0.0	16.709	-16.709	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
4.0000	5.23000	-4.00000	0.00000	0.0	15.965	-15.965
5.0000	5.23000	-5.00000	0.00000	0.0	15.244	-15.244
6.0000	5.23000	-6.00000	0.00000	0.0	14.546	-14.546
7.0000	5.23000	-7.00000	0.00000	0.0	13.868	-13.868
8.0000	5.23000	-8.00000	0.00000	0.0	13.208	-13.208
9.0000	5.23000	-9.00000	0.00000	0.0	12.566	-12.566
10.000	5.23000	-10.00000	0.00000	0.0	11.940	-11.940
11.000	5.23000	-11.00000	0.00000	0.0	11.328	-11.328
12.000	5.23000	-12.00000	0.00000	0.0	10.729	-10.729
13.000	5.23000	-13.00000	0.00000	0.0	10.141	-10.141
14.000	5.23000	-14.00000	0.00000	0.0	9.5630	-9.5630
15.000	5.23000	-15.00000	0.00000	0.0	8.9932	-8.9932
16.000	5.23000	-16.00000	0.00000	0.0	8.4301	-8.4301
17.000	5.23000	-17.00000	0.00000	0.0	7.8722	-7.8722
18.000	5.23000	-18.00000	0.00000	0.0	7.3181	-7.3181
19.000	5.23000	-19.00000	0.00000	0.0	6.7662	-6.7662
20.000	5.23000	-20.00000	0.00000	0.0	6.3000	-6.3000
21.000	5.23000	-21.00000	0.00000	0.0	5.9250	-5.9250
22.000	5.23000	-22.00000	0.00000	0.0	5.5500	-5.5500
23.000	5.23000	-23.00000	0.00000	0.0	5.1750	-5.1750
24.000	5.23000	-24.00000	0.00000	0.0	4.8000	-4.8000
25.000	5.23000	-25.00000	0.00000	0.0	4.4250	-4.4250
26.000	5.23000	-26.00000	0.00000	0.0	4.0500	-4.0500
27.000	5.23000	-27.00000	0.00000	0.0	3.6750	-3.6750
28.000	5.23000	-28.00000	0.00000	0.0	3.3000	-3.3000
29.000	5.23000	-29.00000	0.00000	0.0	2.9250	-2.9250
30.000	5.23000	-30.00000	0.00000	0.0	2.5500	-2.5500
31.000	5.23000	-31.00000	0.00000	0.0	2.1750	-2.1750
32.000	5.23000	-32.00000	0.00000	0.0	1.8000	-1.8000
33.000	5.23000	-33.00000	0.00000	0.0	1.4250	-1.4250
34.000	5.23000	-34.00000	0.00000	0.0	1.0500	-1.0500
35.000	5.23000	-35.00000	0.00000	0.0	0.67500	-0.67500
36.000	5.23000	-36.00000	0.00000	0.0	0.30000	-0.30000
37.000	5.23000	-37.00000	0.00000	0.0	0.0	0.0
38.000	5.23000	-38.00000	0.00000	0.0	0.0	0.0
39.000	5.23000	-39.00000	0.00000	0.0	0.0	0.0
40.000	5.23000	-40.00000	0.00000	0.0	0.0	0.0
41.000	5.23000	-41.00000	0.00000	0.0	0.0	0.0
42.000	5.23000	-42.00000	0.00000	0.0	0.0	0.0
43.000	5.23000	-43.00000	0.00000	0.0	0.0	0.0
44.000	5.23000	-44.00000	0.00000	0.0	0.0	0.0
45.000	5.23000	-45.00000	0.00000	0.0	0.0	0.0
46.000	5.23000	-46.00000	0.00000	0.0	0.0	0.0
47.000	5.23000	-47.00000	0.00000	0.0	0.0	0.0
48.000	5.23000	-48.00000	0.00000	0.0	0.0	0.0
49.000	5.23000	-49.00000	0.00000	0.0	0.0	0.0
50.000	5.23000	-50.00000	0.00000	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements	
	x	y	z	z	
[m]	[m]	[m]	[m]	[mm]	
21.000	-21.00000	4.65000	0.00000	3.1758	
22.000	-22.00000	4.65000	0.00000	2.6533	
23.000	-23.00000	4.65000	0.00000	2.1594	
24.000	-24.00000	4.65000	0.00000	1.6958	
25.000	-25.00000	4.65000	0.00000	1.2635	
26.000	-26.00000	4.65000	0.00000	0.86297	
27.000	-27.00000	4.65000	0.00000	0.69343	
28.000	-28.00000	4.65000	0.00000	0.55351	
29.000	-29.00000	4.65000	0.00000	0.44100	
30.000	-30.00000	4.65000	0.00000	0.35286	
31.000	-31.00000	4.65000	0.00000	0.28522	
32.000	-32.00000	4.65000	0.00000	0.23343	
33.000	-33.00000	4.65000	0.00000	0.19200	
34.000	-34.00000	4.65000	0.00000	0.15463	
35.000	-35.00000	4.65000	0.00000	0.11420	
36.000	-36.00000	4.65000	0.00000	0.062791	
37.000	-37.00000	4.65000	0.00000	0.0	
38.000	-38.00000	4.65000	0.00000	0.0	
39.000	-39.00000	4.65000	0.00000	0.0	
40.000	-40.00000	4.65000	0.00000	0.0	
41.000	-41.00000	4.65000	0.00000	0.0	
42.000	-42.00000	4.65000	0.00000	0.0	
43.000	-43.00000	4.65000	0.00000	0.0	
44.000	-44.00000	4.65000	0.00000	0.0	
45.000	-45.00000	4.65000	0.00000	0.0	
46.000	-46.00000	4.65000	0.00000	0.0	
47.000	-47.00000	4.65000	0.00000	0.0	
48.000	-48.00000	4.65000	0.00000	0.0	
49.000	-49.00000	4.65000	0.00000	0.0	
50.000	-50.00000	4.65000	0.00000	0.0	

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by	Date	Checked
TRL	19-Dec-2018	

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	8.7871
1.0000	-1.00000	23.42000	0.00000	9.5381
2.0000	-2.00000	23.42000	0.00000	10.090
3.0000	-3.00000	23.42000	0.00000	10.463
4.0000	-4.00000	23.42000	0.00000	10.674
5.0000	-5.00000	23.42000	0.00000	10.740
6.0000	-6.00000	23.42000	0.00000	10.679
7.0000	-7.00000	23.42000	0.00000	10.506
8.0000	-8.00000	23.42000	0.00000	10.235
9.0000	-9.00000	23.42000	0.00000	9.8818
10.000	-10.00000	23.42000	0.00000	9.4586
11.000	-11.00000	23.42000	0.00000	8.9780
12.000	-12.00000	23.42000	0.00000	8.4518
13.000	-13.00000	23.42000	0.00000	7.8906
14.000	-14.00000	23.42000	0.00000	7.3046
15.000	-15.00000	23.42000	0.00000	6.7029
16.000	-16.00000	23.42000	0.00000	6.0940
17.000	-17.00000	23.42000	0.00000	5.4853
18.000	-18.00000	23.42000	0.00000	4.8836
19.000	-19.00000	23.42000	0.00000	4.2948
20.000	-20.00000	23.42000	0.00000	3.7242
21.000	-21.00000	23.42000	0.00000	3.1758
22.000	-22.00000	23.42000	0.00000	2.6533
23.000	-23.00000	23.42000	0.00000	2.1594
24.000	-24.00000	23.42000	0.00000	1.6958
25.000	-25.00000	23.42000	0.00000	1.2635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	8.7871
1.0000	-1.00000	23.42000	0.00000	9.5381
2.0000	-2.00000	23.42000	0.00000	10.090
3.0000	-3.00000	23.42000	0.00000	10.463
4.0000	-4.00000	23.42000	0.00000	10.674
5.0000	-5.00000	23.42000	0.00000	10.740
6.0000	-6.00000	23.42000	0.00000	10.679
7.0000	-7.00000	23.42000	0.00000	10.506
8.0000	-8.00000	23.42000	0.00000	10.235
9.0000	-9.00000	23.42000	0.00000	9.8818
10.000	-10.00000	23.42000	0.00000	9.4586
11.000	-11.00000	23.42000	0.00000	8.9780
12.000	-12.00000	23.42000	0.00000	8.4518
13.000	-13.00000	23.42000	0.00000	7.8906
14.000	-14.00000	23.42000	0.00000	7.3046
15.000	-15.00000	23.42000	0.00000	6.7029
16.000	-16.00000	23.42000	0.00000	6.0940
17.000	-17.00000	23.42000	0.00000	5.4853
18.000	-18.00000	23.42000	0.00000	4.8836
19.000	-19.00000	23.42000	0.00000	4.2948
20.000	-20.00000	23.42000	0.00000	3.7242
21.000	-21.00000	23.42000	0.00000	3.1758
22.000	-22.00000	23.42000	0.00000	2.6533
23.000	-23.00000	23.42000	0.00000	2.1594
24.000	-24.00000	23.42000	0.00000	1.6958
25.000	-25.00000	23.42000	0.00000	1.2635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-D | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	5.23000	0.00000	0.00000	8.7871
1.0000	5.23000	-1.00000	0.00000	9.5381
2.0000	5.23000	-2.00000	0.00000	10.090
3.0000	5.23000	-3.00000	0.00000	10.463
4.0000	5.23000	-4.00000	0.00000	10.674
5.0000	5.23000	-5.00000	0.00000	10.740
6.0000	5.23000	-6.00000	0.00000	10.679
7.0000	5.23000	-7.00000	0.00000	10.506
8.0000	5.23000	-8.00000	0.00000	10.235
9.0000	5.23000	-9.00000	0.00000	9.8818
10.000	5.23000	-10.00000	0.00000	9.4586
11.000	5.23000	-11.00000	0.00000	8.9780
12.000	5.23000	-12.00000	0.00000	8.4518
13.000	5.23000	-13.00000	0.00000	7.8906
14.000	5.23000	-14.00000	0.00000	7.3046
15.000	5.23000	-15.00000	0.00000	6.7029
16.000	5.23000	-16.00000	0.00000	6.0940
17.000	5.23000	-17.00000	0.00000	5.4853
18.000	5.23000	-18.00000	0.00000	4.8836
19.000	5.23000	-19.00000	0.00000	4.2948
20.000	5.23000	-20.00000	0.00000	3.7242
21.000	5.23000	-21.00000	0.00000	3.1758
22.000	5.23000	-22.00000	0.00000	2.6533
23.000	5.23000	-23.00000	0.00000	2.1594
24.000	5.23000	-24.00000	0.00000	1.6958
25.000	5.23000	-25.00000	0.00000	1.2635
26.000	5.23000	-26.00000	0.00000	0.86297
27.000	5.23000	-27.00000	0.00000	0.69343
28.000	5.23000	-28.00000	0.00000	0.55351
29.000	5.23000	-29.00000	0.00000	0.44100
30.000	5.23000	-30.00000	0.00000	0.35286
31.000	5.23000	-31.00000	0.00000	0.28522
32.000	5.23000	-32.00000	0.00000	0.23343
33.000	5.23000	-33.00000	0.00000	0.19200
34.000	5.23000	-34.00000	0.00000	0.15463
35.000	5.23000	-35.00000	0.00000	0.11420
36.000	5.23000	-36.00000	0.00000	0.062791
37.000	5.23000	-37.00000	0.00000	0.0
38.000	5.23000	-38.00000	0.00000	0.0
39.000	5.23000	-39.00000	0.00000	0.0
40.000	5.23000	-40.00000	0.00000	0.0
41.000	5.23000	-41.00000	0.00000	0.0
42.000	5.23000	-42.00000	0.00000	0.0
43.000	5.23000	-43.00000	0.00000	0.0
44.000	5.23000	-44.00000	0.00000	0.0
45.000	5.23000	-45.00000	0.00000	0.0
46.000	5.23000	-46.00000	0.00000	0.0
47.000	5.23000	-47.00000	0.00000	0.0
48.000	5.23000	-48.00000	0.00000	0.0
49.000	5.23000	-49.00000	0.00000	0.0
50.000	5.23000	-50.00000	0.00000	0.0

Specific Building Damage Results - All Segments

Structure: 1-A | Sub-structure:

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	5.5000	Sagging	0.011392	0.076354	0.085698	-822.09E-6	-750.39E-6	4922.2	2 (Slight)

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

Structure: 1-B | Sub-structure:

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	5.5000	Sagging	0.0056838	0.064855	0.069517	-698.02E-6	480.28E-6	6334.0	1 (Very Slight)

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

Structure: 1-C | Sub-structure:

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	4.9922	Sagging	0.0013208	0.057965	0.058963	-598.81E-6	608.62E-6	26784.	1 (Very Slight)
	2	4.9922	4.3078	Hogging	734.34E-6	0.052160	0.052413	-562.79E-6	608.62E-6	27648.	1 (Very Slight)

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

Structure: 1-D | Sub-structure:

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	8.2801	Hogging	0.0034791	0.037500	0.040240	-374.86E-6	400.43E-6	3258.0	0 (Negligible)
	2	8.2801	1.5199	Sagging	68.605E-6	0.037500	0.037521	-374.86E-6	51.394E-6	78698.	0 (Negligible)

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

Structure: 2-A | Sub-structure:

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]	

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement	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
0.0	1	0.0	15.992	Sagging	0.018121	0.066659	0.089422	-822.09E-6	-750.39E-6	4922.2	2 (Slight)
	2	15.992	3.0078	Hogging	364.95E-6	0.055465	0.055520	-562.79E-6	608.62E-6	69403.1	1 (Very Slight)

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

Structure: 2-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.400	Hogging	[%] 0.0059899	[%] 0.037500	[%] 0.041981	-374.86E-6	463.44E-6	[m] 7698.1	0 (Negligible)

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

Structure: 3-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.3800	Sagging	[%] 0.0097913	[%] 0.077708	[%] 0.086691	-822.09E-6	-750.39E-6	[m] 4644.2	2 (Slight)

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

Structure: 3-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 3.6900	Sagging	[%] 0.0052437	[%] 0.068499	[%] 0.074909	-719.82E-6	353.22E-6	[m] 6015.9	1 (Very Slight)

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

Structure: 3-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.0465	Sagging	[%] 0.0036288	[%] 0.059634	[%] 0.064562	-641.64E-6	608.62E-6	[m] 13186.1	1 (Very Slight)
	2	8.0465	0.25346	None	0.0	0.055786	0.055786	-557.55E-6	608.36E-6	704300.1	1 (Very Slight)

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

Structure: 3-D | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 9.4000	Hogging	[%] 0.0028981	[%] 0.043483	[%] 0.046293	-557.55E-6	608.36E-6	[m] 27284.0	0 (Negligible)

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

Structure: 3-E | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 7.7719	Hogging	[%] 0.0024233	[%] 0.037500	[%] 0.038755	-374.86E-6	400.43E-6	[m] 2452.7	0 (Negligible)
	2	7.7719	1.4581	Sagging	65.599E-6	0.037500	0.037513	-374.86E-6	51.394E-6	109940.0	0 (Negligible)

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

Structure: 4-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.7100	Sagging	[%] 0.011766	[%] 0.076115	[%] 0.088729	-822.09E-6	-750.39E-6	[m] 4922.2	2 (Slight)

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

Structure: 4-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.5300	Sagging	[%] 0.0054688	[%] 0.064451	[%] 0.070181	-698.02E-6	525.95E-6	[m] 5492.6	1 (Very Slight)

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

Structure: 4-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.7772	Sagging	[%] 0.0012260	[%] 0.057857	[%] 0.059007	-598.81E-6	608.62E-6	[m] 23381.1	1 (Very Slight)
	2	4.7772	0.15282	Hogging	0.0	0.055786	0.055786	-557.55E-6	608.36E-6	989230.1	1 (Very Slight)

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

Structure: 4-D | Sub-structure:

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
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Table 7



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[m] 0.0	1	[m] 0.0	[m] 17.372	Hogging	[%] 0.010557	[%] 0.040948	[%] 0.055396	-557.55E-6	608.36E-6	[m] 7660.0	1 (Very Slight)
	2	17.372	1.4581	Sagging	65.599E-6	0.037500	0.037521	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 5-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 6.4200	Sagging	[%] 0.012827	[%] 0.075289	[%] 0.087227	-822.09E-6	-750.39E-6	[m] 4922.2	2 (Slight)

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

Structure: 5-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.9800	Sagging	[%] 0.0056175	[%] 0.061172	[%] 0.067818	-677.72E-6	608.62E-6	[m] 7685.4	1 (Very Slight)

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

Structure: 5-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 0.22129	None	[%] 0.0	[%] 0.056311	[%] 0.056311	-562.79E-6	608.62E-6	[m] 1.0834E+6	1 (Very Slight)
	2	0.22129	17.921	Hogging	0.010568	0.041413	0.053900	-562.79E-6	608.62E-6	7829.8	1 (Very Slight)
	3	18.142	1.4581	Sagging	65.599E-6	0.037500	0.037515	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 6-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.790	Hogging	[%] 0.0076016	[%] 0.039214	[%] 0.042873	-551.60E-6	588.42E-6	[m] 7677.5	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: 1-A | Sub-structure:

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] 0.0	[%] 0.011392	[%] 0.076354	-750.39E-6	[mm] 10.740	[%] 0.085698	-822.09E-6	-750.39E-6	[m] -	[m] 4922.2	2 (Slight)

Structure: 1-B | Sub-structure:

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] 0.0	[%] 0.0056838	[%] 0.064855	480.28E-6	[mm] 10.710	[%] 0.069517	-698.02E-6	480.28E-6	[m] -	[m] 6334.0	1 (Very Slight)

Structure: 1-C | Sub-structure:

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] 0.0	[%] 0.0013208	[%] 0.057965	608.62E-6	[mm] 8.9780	[%] 0.058963	-598.81E-6	608.62E-6	[m] 27648.	[m] 26784.	1 (Very Slight)

Structure: 1-D | Sub-structure:

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] 0.0	[%] 0.0034791	[%] 0.037500	400.43E-6	[mm] 1.1834	[%] 0.040240	-374.86E-6	400.43E-6	[m] 3258.0	[m] 78698.	0 (Negligible)

Structure: 2-A | Sub-structure:

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] 0.0	[%] 0.018121	[%] 0.066659	-750.39E-6	[mm] 10.740	[%] 0.089422	-822.09E-6	-750.39E-6	[m] 69403.	[m] 4922.2	2 (Slight)

Structure: 2-B | Sub-structure:

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
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Table 7



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[m] 0.0	[%] 0.0059899	[%] 0.037500	463.44E-6	[mm] 1.8812	[%] 0.041981	-374.86E-6	463.44E-6	[m] 7698.1	[m] - 0	(Negligible)
Structure: 3-A Sub-structure:										
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] 0.0	[%] 0.0097913	[%] 0.077708	-750.39E-6	[mm] 10.699	[%] 0.086691	-822.09E-6	-750.39E-6	[m] -	[m] 4644.2 2	(Slight)
Structure: 3-B Sub-structure:										
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] 0.0	[%] 0.0052437	[%] 0.068499	353.22E-6	[mm] 10.739	[%] 0.074909	-719.82E-6	353.22E-6	[m] -	[m] 6015.9 1	(Very Slight)
Structure: 3-C Sub-structure:										
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] 0.0	[%] 0.0036288	[%] 0.059634	608.62E-6	[mm] 10.211	[%] 0.064562	-641.64E-6	608.62E-6	[m] -	[m] 13186. 1	(Very Slight)
Structure: 3-D Sub-structure:										
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] 0.0	[%] 0.0028981	[%] 0.043483	608.36E-6	[mm] 5.8688	[%] 0.046293	-557.55E-6	608.36E-6	[m] 27284.	[m] -	0 (Negligible)
Structure: 3-E Sub-structure:										
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] 0.0	[%] 0.0024233	[%] 0.037500	400.43E-6	[mm] 0.95510	[%] 0.038755	-374.86E-6	400.43E-6	[m] 2452.7	[m] 109940.	0 (Negligible)
Structure: 4-A Sub-structure:										
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] 0.0	[%] 0.011766	[%] 0.076115	-750.39E-6	[mm] 10.739	[%] 0.088729	-822.09E-6	-750.39E-6	[m] -	[m] 4922.2 2	(Slight)
Structure: 4-B Sub-structure:										
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] 0.0	[%] 0.0054688	[%] 0.064451	525.95E-6	[mm] 10.697	[%] 0.070181	-698.02E-6	525.95E-6	[m] -	[m] 5492.6 1	(Very Slight)
Structure: 4-C Sub-structure:										
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] 0.0	[%] 0.0012260	[%] 0.057857	608.62E-6	[mm] 8.8517	[%] 0.059007	-598.81E-6	608.62E-6	[m] 989230.	[m] 23381. 1	(Very Slight)
Structure: 4-D Sub-structure:										
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] 0.0	[%] 0.010557	[%] 0.040948	608.36E-6	[mm] 5.9905	[%] 0.055396	-557.55E-6	608.36E-6	[m] 7660.0	[m] 109940. 1	(Very Slight)
Structure: 5-A Sub-structure:										
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] 0.0	[%] 0.012827	[%] 0.075289	-750.39E-6	[mm] 10.740	[%] 0.087227	-822.09E-6	-750.39E-6	[m] -	[m] 4922.2 2	(Slight)
Structure: 5-B Sub-structure:										
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] 0.0	[%] 0.0056175	[%] 0.061172	608.62E-6	[mm] 10.606	[%] 0.067818	-677.72E-6	608.62E-6	[m] -	[m] 7685.4 1	(Very Slight)

Table 7



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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 Min Radius of Curvature (Hogging) Min Radius of Curvature (Sagging)

Structure: 5-C | Sub-structure:

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	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010568	0.056311	608.62E-6	6.4594	0.056311	-562.79E-6	608.62E-6	7829.8	109940.1	(Very Slight)

Structure: 6-A | Sub-structure:

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	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0076016	0.039214	588.42E-6	4.6069	0.042873	-551.60E-6	588.42E-6	7677.5	-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]	
1-A	Max Slope		1	0.0	5.5000	Sagging	750.39E-6	10.740	0.085698	-	4922.2	2 (Slight)
	Max Settlement		1	0.0	5.5000	Sagging	750.39E-6	10.740	0.085698	-	4922.2	2 (Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	750.39E-6	10.740	0.085698	-	4922.2	2 (Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	750.39E-6	10.740	0.085698	-	4922.2	2 (Slight)
1-B	Max Slope		1	0.0	5.5000	Sagging	480.28E-6	10.710	0.069517	-	6334.0	1 (Very Slight)
	Max Settlement		1	0.0	5.5000	Sagging	480.28E-6	10.710	0.069517	-	6334.0	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5000	Sagging	480.28E-6	10.710	0.069517	-	6334.0	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5000	Sagging	480.28E-6	10.710	0.069517	-	6334.0	1 (Very Slight)
1-C	Max Slope		1	0.0	4.9922	Sagging	608.62E-6	8.9780	0.058963	-	26784.1	1 (Very Slight)
	Max Settlement		1	0.0	4.9922	Sagging	608.62E-6	8.9780	0.058963	-	26784.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	4.9922	Sagging	608.62E-6	8.9780	0.058963	-	26784.1	1 (Very Slight)
	Min Radius of Curvature (Hogging)		2	4.9922	9.3000	Hogging	608.62E-6	6.0987	0.052413	27648.	-1	(Very Slight)
	Min Radius of Curvature (Sagging)		1	0.0	4.9922	Sagging	608.62E-6	8.9780	0.058963	-	26784.1	1 (Very Slight)
1-D	Max Slope		1	0.0	8.2801	Hogging	400.43E-6	1.1834	0.040240	3258.0	-0	(Negligible)
	Max Settlement		1	0.0	8.2801	Hogging	400.43E-6	1.1834	0.040240	3258.0	-0	(Negligible)
	Max Tensile Strain		1	0.0	8.2801	Hogging	400.43E-6	1.1834	0.040240	3258.0	-0	(Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	8.2801	Hogging	400.43E-6	1.1834	0.040240	3258.0	-0	(Negligible)
	Min Radius of Curvature (Sagging)		2	8.2801	9.8000	Sagging	51.394E-6	0.17406	0.037521	-	78698.0	(Negligible)
2-A	Max Slope		1	0.0	15.992	Sagging	750.39E-6	10.740	0.089422	-	4922.2	2 (Slight)
	Max Settlement		1	0.0	15.992	Sagging	750.39E-6	10.740	0.089422	-	4922.2	2 (Slight)
	Max Tensile Strain		1	0.0	15.992	Sagging	750.39E-6	10.740	0.089422	-	4922.2	2 (Slight)
	Min Radius of Curvature (Hogging)		2	15.992	19.000	Hogging	608.62E-6	6.0987	0.055520	69403.	-1	(Very Slight)
	Min Radius of Curvature (Sagging)		1	0.0	15.992	Sagging	750.39E-6	10.740	0.089422	-	4922.2	2 (Slight)
2-B	Max Slope		1	0.0	10.400	Hogging	463.44E-6	1.8812	0.041981	7698.1	-0	(Negligible)
	Max Settlement		1	0.0	10.400	Hogging	463.44E-6	1.8812	0.041981	7698.1	-0	(Negligible)
	Max Tensile Strain		1	0.0	10.400	Hogging	463.44E-6	1.8812	0.041981	7698.1	-0	(Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	10.400	Hogging	463.44E-6	1.8812	0.041981	7698.1	-0	(Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-A	Max Slope		1	0.0	4.3800	Sagging	750.39E-6	10.699	0.086691	-	4644.2	2 (Slight)
	Max Settlement		1	0.0	4.3800	Sagging	750.39E-6	10.699	0.086691	-	4644.2	2 (Slight)
	Max Tensile Strain		1	0.0	4.3800	Sagging	750.39E-6	10.699	0.086691	-	4644.2	2 (Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	4.3800	Sagging	750.39E-6	10.699	0.086691	-	4644.2	2 (Slight)
3-B	Max Slope		1	0.0	3.6900	Sagging	353.22E-6	10.739	0.074909	-	6015.9	1 (Very Slight)
	Max Settlement		1	0.0	3.6900	Sagging	353.22E-6	10.739	0.074909	-	6015.9	1 (Very Slight)
	Max Tensile Strain		1	0.0	3.6900	Sagging	353.22E-6	10.739	0.074909	-	6015.9	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	3.6900	Sagging	353.22E-6	10.739	0.074909	-	6015.9	1 (Very Slight)
3-C	Max Slope		1	0.0	8.0465	Sagging	608.62E-6	10.211	0.064562	-	13186.1	1 (Very Slight)
	Max Settlement		1	0.0	8.0465	Sagging	608.62E-6	10.211	0.064562	-	13186.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.0465	Sagging	608.62E-6	10.211	0.064562	-	13186.1	1 (Very Slight)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	8.0465	Sagging	608.62E-6	10.211	0.064562	-	13186.1	1 (Very Slight)
3-D	Max Slope		1	0.0	9.4000	Hogging	608.36E-6	5.8688	0.046293	27284.	-0	(Negligible)
	Max Settlement		1	0.0	9.4000	Hogging	608.36E-6	5.8688	0.046293	27284.	-0	(Negligible)
	Max Tensile Strain		1	0.0	9.4000	Hogging	608.36E-6	5.8688	0.046293	27284.	-0	(Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	9.4000	Hogging	608.36E-6	5.8688	0.046293	27284.	-0	(Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
3-E	Max Slope		1	0.0	7.7719	Hogging	400.43E-6	0.95510	0.038755	2452.7	-0	(Negligible)
	Max Settlement		1	0.0	7.7719	Hogging	400.43E-6	0.95510	0.038755	2452.7	-0	(Negligible)
	Max Tensile Strain		1	0.0	7.7719	Hogging	400.43E-6	0.95510	0.038755	2452.7	-0	(Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	7.7719	Hogging	400.43E-6	0.95510	0.038755	2452.7	-0	(Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-

Table 7



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

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
4-A	Curvature (Hogging)											
	Min Radius of Curvature (Sagging)			2	7.7719	9.2300	Sagging	51.394E-6	0.17175	0.037513	-	109940.0 (Negligible)
	Max Slope			1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2 2 (Slight)
	Max Settlement			1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2 2 (Slight)
	Max Tensile Strain			1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2 2 (Slight)
4-B	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)			1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2 2 (Slight)
	Max Slope			1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6 1 (Very Slight)
	Max Settlement			1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6 1 (Very Slight)
	Max Tensile Strain			1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6 1 (Very Slight)
4-C	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)			1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6 1 (Very Slight)
	Max Slope			1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1 1 (Very Slight)
	Max Settlement			1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1 1 (Very Slight)
	Max Tensile Strain			1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1 1 (Very Slight)
4-D	Min Radius of Curvature (Hogging)			2	4.7772	4.9300	Hogging	608.36E-6	6.0835	0.055786	989230.	- 1 (Very Slight)
	Min Radius of Curvature (Sagging)			1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1 1 (Very Slight)
	Max Slope			1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	- 1 (Very Slight)
	Max Settlement			1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	- 1 (Very Slight)
	Max Tensile Strain			1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	- 1 (Very Slight)
5-A	Min Radius of Curvature (Hogging)			1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	- 1 (Very Slight)
	Min Radius of Curvature (Sagging)			2	17.372	18.830	Sagging	51.394E-6	0.17175	0.037521	-	109940.0 (Negligible)
	Max Slope			1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2 2 (Slight)
	Max Settlement			1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2 2 (Slight)
	Max Tensile Strain			1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2 2 (Slight)
5-B	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)			1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2 2 (Slight)
	Max Slope			1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4 1 (Very Slight)
	Max Settlement			1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4 1 (Very Slight)
	Max Tensile Strain			1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4 1 (Very Slight)
5-C	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)			1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4 1 (Very Slight)
	Max Slope			1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6 1 (Very Slight)
	Max Settlement			1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6 1 (Very Slight)
	Max Tensile Strain			1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6 1 (Very Slight)
6-A	Min Radius of Curvature (Hogging)			2	0.22129	18.142	Hogging	608.62E-6	6.3246	0.053900	7829.8	- 1 (Very Slight)
	Min Radius of Curvature (Sagging)			3	18.142	19.600	Sagging	51.394E-6	0.17175	0.037515	-	109940.0 (Negligible)
	Max Slope			1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	- 0 (Negligible)
	Max Settlement			1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	- 0 (Negligible)
	Max Tensile Strain			1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	- 0 (Negligible)
	Min Radius of Curvature (Hogging)			1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	- 0 (Negligible)
	Min Radius of Curvature (Sagging)			-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)			-	-	-	-	-	-	-	-	-

Specific Building Damage Results - All Combined Segments

Structure: 1-A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 7



7 ABC Bayham Street
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Job No.	Sheet No.	Rev.
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Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Structure: 2-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 2-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-E Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-A Sub-structure:								

Table 7

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 19-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-B Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-C Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								
Structure: 6-A Sub-structure:								
Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 7

APPENDIX G

Long-term ground displacements
(XDisp, 0.04% movements for
wall installation)

G



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Specific Building Damage Results - Horizontal Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
						line	to line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095	0.0
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272	0.0
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477	0.0
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709	0.0
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965	0.0
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244	0.0
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546	0.0
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868	0.0
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208	0.0
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566	0.0
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328	0.0
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729	0.0
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141	0.0
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630	0.0
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932	0.0
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301	0.0
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722	0.0
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181	0.0
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095	0.0
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272	0.0
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477	0.0
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709	0.0
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965	0.0
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244	0.0
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546	0.0
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868	0.0
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208	0.0
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566	0.0
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940	0.0
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328	0.0
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729	0.0
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141	0.0
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630	0.0
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932	0.0
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301	0.0
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722	0.0
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181	0.0
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662	0.0
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000	0.0
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250	0.0
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500	0.0
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750	0.0
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000	0.0
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250	0.0
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500	0.0
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750	0.0
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000	0.0
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250	0.0
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500	0.0
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750	0.0
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000	0.0
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250	0.0
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500	0.0
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500	0.0
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000	0.0
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal
						displacement	displacement
						along the	perpendicular
					Line	to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	4.65000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	4.65000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	4.65000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	4.65000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	4.65000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	4.65000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	4.65000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	4.65000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	4.65000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	4.65000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	4.65000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	4.65000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	4.65000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	4.65000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	4.65000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	4.65000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	4.65000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	4.65000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	4.65000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	4.65000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	4.65000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	4.65000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	4.65000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	4.65000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	4.65000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	4.65000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	4.65000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	4.65000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	4.65000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	4.65000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	4.65000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	4.65000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	4.65000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	4.65000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	4.65000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	4.65000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	4.65000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	4.65000	0.00000	0.0	0.0	0.0
38.000	-38.00000	4.65000	0.00000	0.0	0.0	0.0
39.000	-39.00000	4.65000	0.00000	0.0	0.0	0.0
40.000	-40.00000	4.65000	0.00000	0.0	0.0	0.0
41.000	-41.00000	4.65000	0.00000	0.0	0.0	0.0
42.000	-42.00000	4.65000	0.00000	0.0	0.0	0.0
43.000	-43.00000	4.65000	0.00000	0.0	0.0	0.0
44.000	-44.00000	4.65000	0.00000	0.0	0.0	0.0
45.000	-45.00000	4.65000	0.00000	0.0	0.0	0.0
46.000	-46.00000	4.65000	0.00000	0.0	0.0	0.0
47.000	-47.00000	4.65000	0.00000	0.0	0.0	0.0
48.000	-48.00000	4.65000	0.00000	0.0	0.0	0.0
49.000	-49.00000	4.65000	0.00000	0.0	0.0	0.0
50.000	-50.00000	4.65000	0.00000	0.0	0.0	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the line Horizontal displacement perpendicular to line
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	0.00000	23.42000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	23.42000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	23.42000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	23.42000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	23.42000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	23.42000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	23.42000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	23.42000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	23.42000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	23.42000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	23.42000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	23.42000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	23.42000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	23.42000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	23.42000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	23.42000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	23.42000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	23.42000	0.00000	7.8722	0.0	-7.8722

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular
18.000	-18.00000	23.42000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	23.42000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	0.00000	23.42000	0.00000	19.095	0.0	-19.095
1.0000	-1.00000	23.42000	0.00000	18.272	0.0	-18.272
2.0000	-2.00000	23.42000	0.00000	17.477	0.0	-17.477
3.0000	-3.00000	23.42000	0.00000	16.709	0.0	-16.709
4.0000	-4.00000	23.42000	0.00000	15.965	0.0	-15.965
5.0000	-5.00000	23.42000	0.00000	15.244	0.0	-15.244
6.0000	-6.00000	23.42000	0.00000	14.546	0.0	-14.546
7.0000	-7.00000	23.42000	0.00000	13.868	0.0	-13.868
8.0000	-8.00000	23.42000	0.00000	13.208	0.0	-13.208
9.0000	-9.00000	23.42000	0.00000	12.566	0.0	-12.566
10.000	-10.00000	23.42000	0.00000	11.940	0.0	-11.940
11.000	-11.00000	23.42000	0.00000	11.328	0.0	-11.328
12.000	-12.00000	23.42000	0.00000	10.729	0.0	-10.729
13.000	-13.00000	23.42000	0.00000	10.141	0.0	-10.141
14.000	-14.00000	23.42000	0.00000	9.5630	0.0	-9.5630
15.000	-15.00000	23.42000	0.00000	8.9932	0.0	-8.9932
16.000	-16.00000	23.42000	0.00000	8.4301	0.0	-8.4301
17.000	-17.00000	23.42000	0.00000	7.8722	0.0	-7.8722
18.000	-18.00000	23.42000	0.00000	7.3181	0.0	-7.3181
19.000	-19.00000	23.42000	0.00000	6.7662	0.0	-6.7662
20.000	-20.00000	23.42000	0.00000	6.3000	0.0	-6.3000
21.000	-21.00000	23.42000	0.00000	5.9250	0.0	-5.9250
22.000	-22.00000	23.42000	0.00000	5.5500	0.0	-5.5500
23.000	-23.00000	23.42000	0.00000	5.1750	0.0	-5.1750
24.000	-24.00000	23.42000	0.00000	4.8000	0.0	-4.8000
25.000	-25.00000	23.42000	0.00000	4.4250	0.0	-4.4250
26.000	-26.00000	23.42000	0.00000	4.0500	0.0	-4.0500
27.000	-27.00000	23.42000	0.00000	3.6750	0.0	-3.6750
28.000	-28.00000	23.42000	0.00000	3.3000	0.0	-3.3000
29.000	-29.00000	23.42000	0.00000	2.9250	0.0	-2.9250
30.000	-30.00000	23.42000	0.00000	2.5500	0.0	-2.5500
31.000	-31.00000	23.42000	0.00000	2.1750	0.0	-2.1750
32.000	-32.00000	23.42000	0.00000	1.8000	0.0	-1.8000
33.000	-33.00000	23.42000	0.00000	1.4250	0.0	-1.4250
34.000	-34.00000	23.42000	0.00000	1.0500	0.0	-1.0500
35.000	-35.00000	23.42000	0.00000	0.67500	0.0	-0.67500
36.000	-36.00000	23.42000	0.00000	0.30000	0.0	-0.30000
37.000	-37.00000	23.42000	0.00000	0.0	0.0	0.0
38.000	-38.00000	23.42000	0.00000	0.0	0.0	0.0
39.000	-39.00000	23.42000	0.00000	0.0	0.0	0.0
40.000	-40.00000	23.42000	0.00000	0.0	0.0	0.0
41.000	-41.00000	23.42000	0.00000	0.0	0.0	0.0
42.000	-42.00000	23.42000	0.00000	0.0	0.0	0.0
43.000	-43.00000	23.42000	0.00000	0.0	0.0	0.0
44.000	-44.00000	23.42000	0.00000	0.0	0.0	0.0
45.000	-45.00000	23.42000	0.00000	0.0	0.0	0.0
46.000	-46.00000	23.42000	0.00000	0.0	0.0	0.0
47.000	-47.00000	23.42000	0.00000	0.0	0.0	0.0
48.000	-48.00000	23.42000	0.00000	0.0	0.0	0.0
49.000	-49.00000	23.42000	0.00000	0.0	0.0	0.0
50.000	-50.00000	23.42000	0.00000	0.0	0.0	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm] to Line [mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272
2.000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0

Structure: 3-D | Sub-structure:

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095	0.0
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272	0.0
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477	0.0
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709	0.0
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965	0.0
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244	0.0
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546	0.0
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868	0.0
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208	0.0
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566	0.0
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940	0.0
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328	0.0
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729	0.0
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141	0.0
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630	0.0
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932	0.0
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301	0.0
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722	0.0
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181	0.0
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662	0.0
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000	0.0
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250	0.0
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500	0.0
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750	0.0
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000	0.0
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250	0.0
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500	0.0
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750	0.0
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000	0.0
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250	0.0
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500	0.0
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750	0.0
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000	0.0
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250	0.0
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500	0.0
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500	0.0
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000	0.0
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.50000	27.09000	0.00000	0.0	-19.095	-19.095	0.0
1.0000	17.50000	28.09000	0.00000	0.0	-18.272	-18.272	0.0
2.0000	17.50000	29.09000	0.00000	0.0	-17.477	-17.477	0.0
3.0000	17.50000	30.09000	0.00000	0.0	-16.709	-16.709	0.0
4.0000	17.50000	31.09000	0.00000	0.0	-15.965	-15.965	0.0
5.0000	17.50000	32.09000	0.00000	0.0	-15.244	-15.244	0.0
6.0000	17.50000	33.09000	0.00000	0.0	-14.546	-14.546	0.0
7.0000	17.50000	34.09000	0.00000	0.0	-13.868	-13.868	0.0
8.0000	17.50000	35.09000	0.00000	0.0	-13.208	-13.208	0.0
9.0000	17.50000	36.09000	0.00000	0.0	-12.566	-12.566	0.0
10.000	17.50000	37.09000	0.00000	0.0	-11.940	-11.940	0.0
11.000	17.50000	38.09000	0.00000	0.0	-11.328	-11.328	0.0
12.000	17.50000	39.09000	0.00000	0.0	-10.729	-10.729	0.0
13.000	17.50000	40.09000	0.00000	0.0	-10.141	-10.141	0.0
14.000	17.50000	41.09000	0.00000	0.0	-9.5630	-9.5630	0.0
15.000	17.50000	42.09000	0.00000	0.0	-8.9932	-8.9932	0.0
16.000	17.50000	43.09000	0.00000	0.0	-8.4301	-8.4301	0.0
17.000	17.50000	44.09000	0.00000	0.0	-7.8722	-7.8722	0.0
18.000	17.50000	45.09000	0.00000	0.0	-7.3181	-7.3181	0.0
19.000	17.50000	46.09000	0.00000	0.0	-6.7662	-6.7662	0.0
20.000	17.50000	47.09000	0.00000	0.0	-6.3000	-6.3000	0.0
21.000	17.50000	48.09000	0.00000	0.0	-5.9250	-5.9250	0.0
22.000	17.50000	49.09000	0.00000	0.0	-5.5500	-5.5500	0.0
23.000	17.50000	50.09000	0.00000	0.0	-5.1750	-5.1750	0.0
24.000	17.50000	51.09000	0.00000	0.0	-4.8000	-4.8000	0.0
25.000	17.50000	52.09000	0.00000	0.0	-4.4250	-4.4250	0.0
26.000	17.50000	53.09000	0.00000	0.0	-4.0500	-4.0500	0.0
27.000	17.50000	54.09000	0.00000	0.0	-3.6750	-3.6750	0.0
28.000	17.50000	55.09000	0.00000	0.0	-3.3000	-3.3000	0.0
29.000	17.50000	56.09000	0.00000	0.0	-2.9250	-2.9250	0.0
30.000	17.50000	57.09000	0.00000	0.0	-2.5500	-2.5500	0.0
31.000	17.50000	58.09000	0.00000	0.0	-2.1750	-2.1750	0.0
32.000	17.50000	59.09000	0.00000	0.0	-1.8000	-1.8000	0.0
33.000	17.50000	60.09000	0.00000	0.0	-1.4250	-1.4250	0.0
34.000	17.50000	61.09000	0.00000	0.0	-1.0500	-1.0500	0.0
35.000	17.50000	62.09000	0.00000	0.0	-0.67500	-0.67500	0.0
36.000	17.50000	63.09000	0.00000	0.0	-0.30000	-0.30000	0.0
37.000	17.50000	64.09000	0.00000	0.0	0.0	0.0	0.0
38.000	17.50000	65.09000	0.00000	0.0	0.0	0.0	0.0
39.000	17.50000	66.09000	0.00000	0.0	0.0	0.0	0.0
40.000	17.50000	67.09000	0.00000	0.0	0.0	0.0	0.0
41.000	17.50000	68.09000	0.00000	0.0	0.0	0.0	0.0
42.000	17.50000	69.09000	0.00000	0.0	0.0	0.0	0.0
43.000	17.50000	70.09000	0.00000	0.0	0.0	0.0	0.0
44.000	17.50000	71.09000	0.00000	0.0	0.0	0.0	0.0
45.000	17.50000	72.09000	0.00000	0.0	0.0	0.0	0.0
46.000	17.50000	73.09000	0.00000	0.0	0.0	0.0	0.0
47.000	17.50000	74.09000	0.00000	0.0	0.0	0.0	0.0
48.000	17.50000	75.09000	0.00000	0.0	0.0	0.0	0.0
49.000	17.50000	76.09000	0.00000	0.0	0.0	0.0	0.0
50.000	17.50000	77.09000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates				Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
Dist.	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
						Line	to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
29.0000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.0000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.0000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.0000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.0000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.0000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.0000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.0000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.0000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.0000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.0000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.0000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.0000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.0000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.0000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.0000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.0000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.0000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.0000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.0000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.0000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.0000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	23.42000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	23.42000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	23.42000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	23.42000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	23.42000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	23.42000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	23.42000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	23.42000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	23.42000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	23.42000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	23.42000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	23.42000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	23.42000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	23.42000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	23.42000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	23.42000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	23.42000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	23.42000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	23.42000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	23.42000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	23.42000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	23.42000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	23.42000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	23.42000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	23.42000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	23.42000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	23.42000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	23.42000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	23.42000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	23.42000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	23.42000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	23.42000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	23.42000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	23.42000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	23.42000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	23.42000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	23.42000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	23.42000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	23.42000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line [mm]	to Line [mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	26.21000	6.50000	0.00000	-19.095	0.0	-19.095	0.0
1.0000	27.21000	6.50000	0.00000	-18.272	0.0	-18.272	0.0
2.0000	28.21000	6.50000	0.00000	-17.477	0.0	-17.477	0.0
3.0000	29.21000	6.50000	0.00000	-16.709	0.0	-16.709	0.0
4.0000	30.21000	6.50000	0.00000	-15.965	0.0	-15.965	0.0
5.0000	31.21000	6.50000	0.00000	-15.244	0.0	-15.244	0.0
6.0000	32.21000	6.50000	0.00000	-14.546	0.0	-14.546	0.0
7.0000	33.21000	6.50000	0.00000	-13.868	0.0	-13.868	0.0
8.0000	34.21000	6.50000	0.00000	-13.208	0.0	-13.208	0.0
9.0000	35.21000	6.50000	0.00000	-12.566	0.0	-12.566	0.0
10.000	36.21000	6.50000	0.00000	-11.940	0.0	-11.940	0.0
11.000	37.21000	6.50000	0.00000	-11.328	0.0	-11.328	0.0
12.000	38.21000	6.50000	0.00000	-10.729	0.0	-10.729	0.0
13.000	39.21000	6.50000	0.00000	-10.141	0.0	-10.141	0.0
14.000	40.21000	6.50000	0.00000	-9.5630	0.0	-9.5630	0.0
15.000	41.21000	6.50000	0.00000	-8.9932	0.0	-8.9932	0.0
16.000	42.21000	6.50000	0.00000	-8.4301	0.0	-8.4301	0.0
17.000	43.21000	6.50000	0.00000	-7.8722	0.0	-7.8722	0.0
18.000	44.21000	6.50000	0.00000	-7.3181	0.0	-7.3181	0.0
19.000	45.21000	6.50000	0.00000	-6.7662	0.0	-6.7662	0.0
20.000	46.21000	6.50000	0.00000	-6.3000	0.0	-6.3000	0.0
21.000	47.21000	6.50000	0.00000	-5.9250	0.0	-5.9250	0.0
22.000	48.21000	6.50000	0.00000	-5.5500	0.0	-5.5500	0.0
23.000	49.21000	6.50000	0.00000	-5.1750	0.0	-5.1750	0.0
24.000	50.21000	6.50000	0.00000	-4.8000	0.0	-4.8000	0.0
25.000	51.21000	6.50000	0.00000	-4.4250	0.0	-4.4250	0.0
26.000	52.21000	6.50000	0.00000	-4.0500	0.0	-4.0500	0.0
27.000	53.21000	6.50000	0.00000	-3.6750	0.0	-3.6750	0.0
28.000	54.21000	6.50000	0.00000	-3.3000	0.0	-3.3000	0.0
29.000	55.21000	6.50000	0.00000	-2.9250	0.0	-2.9250	0.0
30.000	56.21000	6.50000	0.00000	-2.5500	0.0	-2.5500	0.0
31.000	57.21000	6.50000	0.00000	-2.1750	0.0	-2.1750	0.0
32.000	58.21000	6.50000	0.00000	-1.8000	0.0	-1.8000	0.0
33.000	59.21000	6.50000	0.00000	-1.4250	0.0	-1.4250	0.0
34.000	60.21000	6.50000	0.00000	-1.0500	0.0	-1.0500	0.0
35.000	61.21000	6.50000	0.00000	-0.67500	0.0	-0.67500	0.0
36.000	62.21000	6.50000	0.00000	-0.30000	0.0	-0.30000	0.0
37.000	63.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
38.000	64.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
39.000	65.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
40.000	66.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
41.000	67.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
42.000	68.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
43.000	69.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
44.000	70.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
45.000	71.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
46.000	72.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
47.000	73.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
48.000	74.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
49.000	75.21000	6.50000	0.00000	0.0	0.0	0.0	0.0
50.000	76.21000	6.50000	0.00000	0.0	0.0	0.0	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements		Horizontal displacement along the	Horizontal displacement perpendicular
	x	y	z	x	y		
[m]	[m]	[m]	[m]	[mm]	[mm]	Line	to Line
						[mm]	[mm]
0.0	5.23000	0.00000	0.00000	0.0	19.095	-19.095	0.0
1.0000	5.23000	-1.00000	0.00000	0.0	18.272	-18.272	0.0
2.0000	5.23000	-2.00000	0.00000	0.0	17.477	-17.477	0.0
3.0000	5.23000	-3.00000	0.00000	0.0	16.709	-16.709	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Horizontal displacement perpendicular
4.0000	5.23000	-4.00000	0.00000	0.0	15.965	-15.965
5.0000	5.23000	-5.00000	0.00000	0.0	15.244	-15.244
6.0000	5.23000	-6.00000	0.00000	0.0	14.546	-14.546
7.0000	5.23000	-7.00000	0.00000	0.0	13.868	-13.868
8.0000	5.23000	-8.00000	0.00000	0.0	13.208	-13.208
9.0000	5.23000	-9.00000	0.00000	0.0	12.566	-12.566
10.000	5.23000	-10.00000	0.00000	0.0	11.940	-11.940
11.000	5.23000	-11.00000	0.00000	0.0	11.328	-11.328
12.000	5.23000	-12.00000	0.00000	0.0	10.729	-10.729
13.000	5.23000	-13.00000	0.00000	0.0	10.141	-10.141
14.000	5.23000	-14.00000	0.00000	0.0	9.5630	-9.5630
15.000	5.23000	-15.00000	0.00000	0.0	8.9932	-8.9932
16.000	5.23000	-16.00000	0.00000	0.0	8.4301	-8.4301
17.000	5.23000	-17.00000	0.00000	0.0	7.8722	-7.8722
18.000	5.23000	-18.00000	0.00000	0.0	7.3181	-7.3181
19.000	5.23000	-19.00000	0.00000	0.0	6.7662	-6.7662
20.000	5.23000	-20.00000	0.00000	0.0	6.3000	-6.3000
21.000	5.23000	-21.00000	0.00000	0.0	5.9250	-5.9250
22.000	5.23000	-22.00000	0.00000	0.0	5.5500	-5.5500
23.000	5.23000	-23.00000	0.00000	0.0	5.1750	-5.1750
24.000	5.23000	-24.00000	0.00000	0.0	4.8000	-4.8000
25.000	5.23000	-25.00000	0.00000	0.0	4.4250	-4.4250
26.000	5.23000	-26.00000	0.00000	0.0	4.0500	-4.0500
27.000	5.23000	-27.00000	0.00000	0.0	3.6750	-3.6750
28.000	5.23000	-28.00000	0.00000	0.0	3.3000	-3.3000
29.000	5.23000	-29.00000	0.00000	0.0	2.9250	-2.9250
30.000	5.23000	-30.00000	0.00000	0.0	2.5500	-2.5500
31.000	5.23000	-31.00000	0.00000	0.0	2.1750	-2.1750
32.000	5.23000	-32.00000	0.00000	0.0	1.8000	-1.8000
33.000	5.23000	-33.00000	0.00000	0.0	1.4250	-1.4250
34.000	5.23000	-34.00000	0.00000	0.0	1.0500	-1.0500
35.000	5.23000	-35.00000	0.00000	0.0	0.67500	-0.67500
36.000	5.23000	-36.00000	0.00000	0.0	0.30000	-0.30000
37.000	5.23000	-37.00000	0.00000	0.0	0.0	0.0
38.000	5.23000	-38.00000	0.00000	0.0	0.0	0.0
39.000	5.23000	-39.00000	0.00000	0.0	0.0	0.0
40.000	5.23000	-40.00000	0.00000	0.0	0.0	0.0
41.000	5.23000	-41.00000	0.00000	0.0	0.0	0.0
42.000	5.23000	-42.00000	0.00000	0.0	0.0	0.0
43.000	5.23000	-43.00000	0.00000	0.0	0.0	0.0
44.000	5.23000	-44.00000	0.00000	0.0	0.0	0.0
45.000	5.23000	-45.00000	0.00000	0.0	0.0	0.0
46.000	5.23000	-46.00000	0.00000	0.0	0.0	0.0
47.000	5.23000	-47.00000	0.00000	0.0	0.0	0.0
48.000	5.23000	-48.00000	0.00000	0.0	0.0	0.0
49.000	5.23000	-49.00000	0.00000	0.0	0.0	0.0
50.000	5.23000	-50.00000	0.00000	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: 1-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-C | Sub-structure:

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 1-D | Sub-structure:

Dist.	Coordinates			Displacements
	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	0.00000	4.65000	0.00000	8.7871
1.0000	-1.00000	4.65000	0.00000	9.5381
2.0000	-2.00000	4.65000	0.00000	10.090
3.0000	-3.00000	4.65000	0.00000	10.463
4.0000	-4.00000	4.65000	0.00000	10.674
5.0000	-5.00000	4.65000	0.00000	10.740
6.0000	-6.00000	4.65000	0.00000	10.679
7.0000	-7.00000	4.65000	0.00000	10.506
8.0000	-8.00000	4.65000	0.00000	10.235
9.0000	-9.00000	4.65000	0.00000	9.8818
10.000	-10.00000	4.65000	0.00000	9.4586
11.000	-11.00000	4.65000	0.00000	8.9780
12.000	-12.00000	4.65000	0.00000	8.4518
13.000	-13.00000	4.65000	0.00000	7.8906
14.000	-14.00000	4.65000	0.00000	7.3046
15.000	-15.00000	4.65000	0.00000	6.7029
16.000	-16.00000	4.65000	0.00000	6.0940
17.000	-17.00000	4.65000	0.00000	5.4853
18.000	-18.00000	4.65000	0.00000	4.8836
19.000	-19.00000	4.65000	0.00000	4.2948
20.000	-20.00000	4.65000	0.00000	3.7242
21.000	-21.00000	4.65000	0.00000	3.1758
22.000	-22.00000	4.65000	0.00000	2.6533
23.000	-23.00000	4.65000	0.00000	2.1594
24.000	-24.00000	4.65000	0.00000	1.6958
25.000	-25.00000	4.65000	0.00000	1.2635
26.000	-26.00000	4.65000	0.00000	0.86297
27.000	-27.00000	4.65000	0.00000	0.69343
28.000	-28.00000	4.65000	0.00000	0.55351
29.000	-29.00000	4.65000	0.00000	0.44100
30.000	-30.00000	4.65000	0.00000	0.35286
31.000	-31.00000	4.65000	0.00000	0.28522
32.000	-32.00000	4.65000	0.00000	0.23343
33.000	-33.00000	4.65000	0.00000	0.19200
34.000	-34.00000	4.65000	0.00000	0.15463
35.000	-35.00000	4.65000	0.00000	0.11420
36.000	-36.00000	4.65000	0.00000	0.062791
37.000	-37.00000	4.65000	0.00000	0.0
38.000	-38.00000	4.65000	0.00000	0.0
39.000	-39.00000	4.65000	0.00000	0.0
40.000	-40.00000	4.65000	0.00000	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	-41.00000	4.65000	0.00000	0.0
42.000	-42.00000	4.65000	0.00000	0.0
43.000	-43.00000	4.65000	0.00000	0.0
44.000	-44.00000	4.65000	0.00000	0.0
45.000	-45.00000	4.65000	0.00000	0.0
46.000	-46.00000	4.65000	0.00000	0.0
47.000	-47.00000	4.65000	0.00000	0.0
48.000	-48.00000	4.65000	0.00000	0.0
49.000	-49.00000	4.65000	0.00000	0.0
50.000	-50.00000	4.65000	0.00000	0.0

Structure: 2-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	8.7871
1.0000	-1.00000	23.42000	0.00000	9.5381
2.0000	-2.00000	23.42000	0.00000	10.090
3.0000	-3.00000	23.42000	0.00000	10.463
4.0000	-4.00000	23.42000	0.00000	10.674
5.0000	-5.00000	23.42000	0.00000	10.740
6.0000	-6.00000	23.42000	0.00000	10.679
7.0000	-7.00000	23.42000	0.00000	10.506
8.0000	-8.00000	23.42000	0.00000	10.235
9.0000	-9.00000	23.42000	0.00000	9.8818
10.000	-10.00000	23.42000	0.00000	9.4586
11.000	-11.00000	23.42000	0.00000	8.9780
12.000	-12.00000	23.42000	0.00000	8.4518
13.000	-13.00000	23.42000	0.00000	7.8906
14.000	-14.00000	23.42000	0.00000	7.3046
15.000	-15.00000	23.42000	0.00000	6.7029
16.000	-16.00000	23.42000	0.00000	6.0940
17.000	-17.00000	23.42000	0.00000	5.4853
18.000	-18.00000	23.42000	0.00000	4.8836
19.000	-19.00000	23.42000	0.00000	4.2948
20.000	-20.00000	23.42000	0.00000	3.7242
21.000	-21.00000	23.42000	0.00000	3.1758
22.000	-22.00000	23.42000	0.00000	2.6533
23.000	-23.00000	23.42000	0.00000	2.1594
24.000	-24.00000	23.42000	0.00000	1.6958
25.000	-25.00000	23.42000	0.00000	1.2635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 2-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	23.42000	0.00000	8.7871
1.0000	-1.00000	23.42000	0.00000	9.5381
2.0000	-2.00000	23.42000	0.00000	10.090
3.0000	-3.00000	23.42000	0.00000	10.463
4.0000	-4.00000	23.42000	0.00000	10.674
5.0000	-5.00000	23.42000	0.00000	10.740
6.0000	-6.00000	23.42000	0.00000	10.679
7.0000	-7.00000	23.42000	0.00000	10.506
8.0000	-8.00000	23.42000	0.00000	10.235
9.0000	-9.00000	23.42000	0.00000	9.8818
10.000	-10.00000	23.42000	0.00000	9.4586
11.000	-11.00000	23.42000	0.00000	8.9780
12.000	-12.00000	23.42000	0.00000	8.4518
13.000	-13.00000	23.42000	0.00000	7.8906
14.000	-14.00000	23.42000	0.00000	7.3046
15.000	-15.00000	23.42000	0.00000	6.7029
16.000	-16.00000	23.42000	0.00000	6.0940
17.000	-17.00000	23.42000	0.00000	5.4853
18.000	-18.00000	23.42000	0.00000	4.8836
19.000	-19.00000	23.42000	0.00000	4.2948
20.000	-20.00000	23.42000	0.00000	3.7242
21.000	-21.00000	23.42000	0.00000	3.1758
22.000	-22.00000	23.42000	0.00000	2.6533
23.000	-23.00000	23.42000	0.00000	2.1594
24.000	-24.00000	23.42000	0.00000	1.6958
25.000	-25.00000	23.42000	0.00000	1.2635
26.000	-26.00000	23.42000	0.00000	0.86297
27.000	-27.00000	23.42000	0.00000	0.69343
28.000	-28.00000	23.42000	0.00000	0.55351
29.000	-29.00000	23.42000	0.00000	0.44100
30.000	-30.00000	23.42000	0.00000	0.35286
31.000	-31.00000	23.42000	0.00000	0.28522
32.000	-32.00000	23.42000	0.00000	0.23343
33.000	-33.00000	23.42000	0.00000	0.19200
34.000	-34.00000	23.42000	0.00000	0.15463
35.000	-35.00000	23.42000	0.00000	0.11420
36.000	-36.00000	23.42000	0.00000	0.062791
37.000	-37.00000	23.42000	0.00000	0.0
38.000	-38.00000	23.42000	0.00000	0.0
39.000	-39.00000	23.42000	0.00000	0.0
40.000	-40.00000	23.42000	0.00000	0.0
41.000	-41.00000	23.42000	0.00000	0.0
42.000	-42.00000	23.42000	0.00000	0.0
43.000	-43.00000	23.42000	0.00000	0.0
44.000	-44.00000	23.42000	0.00000	0.0
45.000	-45.00000	23.42000	0.00000	0.0
46.000	-46.00000	23.42000	0.00000	0.0
47.000	-47.00000	23.42000	0.00000	0.0
48.000	-48.00000	23.42000	0.00000	0.0
49.000	-49.00000	23.42000	0.00000	0.0
50.000	-50.00000	23.42000	0.00000	0.0

Structure: 3-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-B | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-C | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-D | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 3-E | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	17.50000	27.09000	0.00000	8.7871
1.0000	17.50000	28.09000	0.00000	9.5381
2.0000	17.50000	29.09000	0.00000	10.090
3.0000	17.50000	30.09000	0.00000	10.463
4.0000	17.50000	31.09000	0.00000	10.674
5.0000	17.50000	32.09000	0.00000	10.740
6.0000	17.50000	33.09000	0.00000	10.679
7.0000	17.50000	34.09000	0.00000	10.506
8.0000	17.50000	35.09000	0.00000	10.235
9.0000	17.50000	36.09000	0.00000	9.8818
10.000	17.50000	37.09000	0.00000	9.4586
11.000	17.50000	38.09000	0.00000	8.9780
12.000	17.50000	39.09000	0.00000	8.4518
13.000	17.50000	40.09000	0.00000	7.8906
14.000	17.50000	41.09000	0.00000	7.3046
15.000	17.50000	42.09000	0.00000	6.7029
16.000	17.50000	43.09000	0.00000	6.0940
17.000	17.50000	44.09000	0.00000	5.4853
18.000	17.50000	45.09000	0.00000	4.8836
19.000	17.50000	46.09000	0.00000	4.2948
20.000	17.50000	47.09000	0.00000	3.7242
21.000	17.50000	48.09000	0.00000	3.1758
22.000	17.50000	49.09000	0.00000	2.6533
23.000	17.50000	50.09000	0.00000	2.1594
24.000	17.50000	51.09000	0.00000	1.6958
25.000	17.50000	52.09000	0.00000	1.2635
26.000	17.50000	53.09000	0.00000	0.86297
27.000	17.50000	54.09000	0.00000	0.69343
28.000	17.50000	55.09000	0.00000	0.55351
29.000	17.50000	56.09000	0.00000	0.44100
30.000	17.50000	57.09000	0.00000	0.35286
31.000	17.50000	58.09000	0.00000	0.28522
32.000	17.50000	59.09000	0.00000	0.23343
33.000	17.50000	60.09000	0.00000	0.19200
34.000	17.50000	61.09000	0.00000	0.15463
35.000	17.50000	62.09000	0.00000	0.11420
36.000	17.50000	63.09000	0.00000	0.062791
37.000	17.50000	64.09000	0.00000	0.0
38.000	17.50000	65.09000	0.00000	0.0
39.000	17.50000	66.09000	0.00000	0.0
40.000	17.50000	67.09000	0.00000	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
41.000	17.50000	68.09000	0.00000	0.0
42.000	17.50000	69.09000	0.00000	0.0
43.000	17.50000	70.09000	0.00000	0.0
44.000	17.50000	71.09000	0.00000	0.0
45.000	17.50000	72.09000	0.00000	0.0
46.000	17.50000	73.09000	0.00000	0.0
47.000	17.50000	74.09000	0.00000	0.0
48.000	17.50000	75.09000	0.00000	0.0
49.000	17.50000	76.09000	0.00000	0.0
50.000	17.50000	77.09000	0.00000	0.0

Structure: 4-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 4-D | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	23.42000	0.00000	8.7871
1.0000	27.21000	23.42000	0.00000	9.5381
2.0000	28.21000	23.42000	0.00000	10.090
3.0000	29.21000	23.42000	0.00000	10.463
4.0000	30.21000	23.42000	0.00000	10.674
5.0000	31.21000	23.42000	0.00000	10.740
6.0000	32.21000	23.42000	0.00000	10.679
7.0000	33.21000	23.42000	0.00000	10.506
8.0000	34.21000	23.42000	0.00000	10.235
9.0000	35.21000	23.42000	0.00000	9.8818
10.000	36.21000	23.42000	0.00000	9.4586
11.000	37.21000	23.42000	0.00000	8.9780
12.000	38.21000	23.42000	0.00000	8.4518
13.000	39.21000	23.42000	0.00000	7.8906
14.000	40.21000	23.42000	0.00000	7.3046
15.000	41.21000	23.42000	0.00000	6.7029
16.000	42.21000	23.42000	0.00000	6.0940
17.000	43.21000	23.42000	0.00000	5.4853
18.000	44.21000	23.42000	0.00000	4.8836
19.000	45.21000	23.42000	0.00000	4.2948
20.000	46.21000	23.42000	0.00000	3.7242
21.000	47.21000	23.42000	0.00000	3.1758
22.000	48.21000	23.42000	0.00000	2.6533
23.000	49.21000	23.42000	0.00000	2.1594
24.000	50.21000	23.42000	0.00000	1.6958
25.000	51.21000	23.42000	0.00000	1.2635
26.000	52.21000	23.42000	0.00000	0.86297
27.000	53.21000	23.42000	0.00000	0.69343
28.000	54.21000	23.42000	0.00000	0.55351
29.000	55.21000	23.42000	0.00000	0.44100
30.000	56.21000	23.42000	0.00000	0.35286
31.000	57.21000	23.42000	0.00000	0.28522
32.000	58.21000	23.42000	0.00000	0.23343
33.000	59.21000	23.42000	0.00000	0.19200
34.000	60.21000	23.42000	0.00000	0.15463
35.000	61.21000	23.42000	0.00000	0.11420
36.000	62.21000	23.42000	0.00000	0.062791
37.000	63.21000	23.42000	0.00000	0.0
38.000	64.21000	23.42000	0.00000	0.0
39.000	65.21000	23.42000	0.00000	0.0
40.000	66.21000	23.42000	0.00000	0.0
41.000	67.21000	23.42000	0.00000	0.0
42.000	68.21000	23.42000	0.00000	0.0
43.000	69.21000	23.42000	0.00000	0.0
44.000	70.21000	23.42000	0.00000	0.0
45.000	71.21000	23.42000	0.00000	0.0
46.000	72.21000	23.42000	0.00000	0.0
47.000	73.21000	23.42000	0.00000	0.0
48.000	74.21000	23.42000	0.00000	0.0
49.000	75.21000	23.42000	0.00000	0.0
50.000	76.21000	23.42000	0.00000	0.0

Structure: 5-A | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-B | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 5-C | Sub-structure:

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.21000	6.50000	0.00000	8.7871
1.0000	27.21000	6.50000	0.00000	9.5381
2.0000	28.21000	6.50000	0.00000	10.090
3.0000	29.21000	6.50000	0.00000	10.463
4.0000	30.21000	6.50000	0.00000	10.674
5.0000	31.21000	6.50000	0.00000	10.740
6.0000	32.21000	6.50000	0.00000	10.679
7.0000	33.21000	6.50000	0.00000	10.506
8.0000	34.21000	6.50000	0.00000	10.235
9.0000	35.21000	6.50000	0.00000	9.8818
10.000	36.21000	6.50000	0.00000	9.4586
11.000	37.21000	6.50000	0.00000	8.9780
12.000	38.21000	6.50000	0.00000	8.4518
13.000	39.21000	6.50000	0.00000	7.8906
14.000	40.21000	6.50000	0.00000	7.3046
15.000	41.21000	6.50000	0.00000	6.7029
16.000	42.21000	6.50000	0.00000	6.0940
17.000	43.21000	6.50000	0.00000	5.4853
18.000	44.21000	6.50000	0.00000	4.8836
19.000	45.21000	6.50000	0.00000	4.2948
20.000	46.21000	6.50000	0.00000	3.7242
21.000	47.21000	6.50000	0.00000	3.1758
22.000	48.21000	6.50000	0.00000	2.6533
23.000	49.21000	6.50000	0.00000	2.1594
24.000	50.21000	6.50000	0.00000	1.6958
25.000	51.21000	6.50000	0.00000	1.2635
26.000	52.21000	6.50000	0.00000	0.86297
27.000	53.21000	6.50000	0.00000	0.69343
28.000	54.21000	6.50000	0.00000	0.55351
29.000	55.21000	6.50000	0.00000	0.44100
30.000	56.21000	6.50000	0.00000	0.35286
31.000	57.21000	6.50000	0.00000	0.28522
32.000	58.21000	6.50000	0.00000	0.23343
33.000	59.21000	6.50000	0.00000	0.19200
34.000	60.21000	6.50000	0.00000	0.15463
35.000	61.21000	6.50000	0.00000	0.11420
36.000	62.21000	6.50000	0.00000	0.062791
37.000	63.21000	6.50000	0.00000	0.0
38.000	64.21000	6.50000	0.00000	0.0
39.000	65.21000	6.50000	0.00000	0.0
40.000	66.21000	6.50000	0.00000	0.0

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
41.000	67.21000	6.50000	0.00000	0.0
42.000	68.21000	6.50000	0.00000	0.0
43.000	69.21000	6.50000	0.00000	0.0
44.000	70.21000	6.50000	0.00000	0.0
45.000	71.21000	6.50000	0.00000	0.0
46.000	72.21000	6.50000	0.00000	0.0
47.000	73.21000	6.50000	0.00000	0.0
48.000	74.21000	6.50000	0.00000	0.0
49.000	75.21000	6.50000	0.00000	0.0
50.000	76.21000	6.50000	0.00000	0.0

Structure: 6-A | Sub-structure:

Dist.	Coordinates			Displacements
[m]	x [m]	y [m]	z [m]	z [mm]
Vertical Offset 1				
0.0	5.23000	0.00000	0.00000	8.7871
1.0000	5.23000	-1.00000	0.00000	9.5381
2.0000	5.23000	-2.00000	0.00000	10.090
3.0000	5.23000	-3.00000	0.00000	10.463
4.0000	5.23000	-4.00000	0.00000	10.674
5.0000	5.23000	-5.00000	0.00000	10.740
6.0000	5.23000	-6.00000	0.00000	10.679
7.0000	5.23000	-7.00000	0.00000	10.506
8.0000	5.23000	-8.00000	0.00000	10.235
9.0000	5.23000	-9.00000	0.00000	9.8818
10.000	5.23000	-10.00000	0.00000	9.4586
11.000	5.23000	-11.00000	0.00000	8.9780
12.000	5.23000	-12.00000	0.00000	8.4518
13.000	5.23000	-13.00000	0.00000	7.8906
14.000	5.23000	-14.00000	0.00000	7.3046
15.000	5.23000	-15.00000	0.00000	6.7029
16.000	5.23000	-16.00000	0.00000	6.0940
17.000	5.23000	-17.00000	0.00000	5.4853
18.000	5.23000	-18.00000	0.00000	4.8836
19.000	5.23000	-19.00000	0.00000	4.2948
20.000	5.23000	-20.00000	0.00000	3.7242
21.000	5.23000	-21.00000	0.00000	3.1758
22.000	5.23000	-22.00000	0.00000	2.6533
23.000	5.23000	-23.00000	0.00000	2.1594
24.000	5.23000	-24.00000	0.00000	1.6958
25.000	5.23000	-25.00000	0.00000	1.2635
26.000	5.23000	-26.00000	0.00000	0.86297
27.000	5.23000	-27.00000	0.00000	0.69343
28.000	5.23000	-28.00000	0.00000	0.55351
29.000	5.23000	-29.00000	0.00000	0.44100
30.000	5.23000	-30.00000	0.00000	0.35286
31.000	5.23000	-31.00000	0.00000	0.28522
32.000	5.23000	-32.00000	0.00000	0.23343
33.000	5.23000	-33.00000	0.00000	0.19200
34.000	5.23000	-34.00000	0.00000	0.15463
35.000	5.23000	-35.00000	0.00000	0.11420
36.000	5.23000	-36.00000	0.00000	0.062791
37.000	5.23000	-37.00000	0.00000	0.0
38.000	5.23000	-38.00000	0.00000	0.0
39.000	5.23000	-39.00000	0.00000	0.0
40.000	5.23000	-40.00000	0.00000	0.0
41.000	5.23000	-41.00000	0.00000	0.0
42.000	5.23000	-42.00000	0.00000	0.0
43.000	5.23000	-43.00000	0.00000	0.0
44.000	5.23000	-44.00000	0.00000	0.0
45.000	5.23000	-45.00000	0.00000	0.0
46.000	5.23000	-46.00000	0.00000	0.0
47.000	5.23000	-47.00000	0.00000	0.0
48.000	5.23000	-48.00000	0.00000	0.0
49.000	5.23000	-49.00000	0.00000	0.0
50.000	5.23000	-50.00000	0.00000	0.0

Specific Building Damage Results - All Segments

Structure: 1-A | Sub-structure:

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	5.5000	Sagging	0.011392	0.076354	0.085698	-822.09E-6	-750.39E-6	4922.2	2 (Slight)

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

Structure: 1-B | Sub-structure:

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	5.5000	Sagging	0.0056838	0.064855	0.069517	-698.02E-6	480.28E-6	6334.0	1 (Very Slight)

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

Structure: 1-C | Sub-structure:

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	4.9922	Sagging	0.0013208	0.057965	0.058963	-598.81E-6	608.62E-6	26784.	1 (Very Slight)
	2	4.9922	4.3078	Hogging	734.34E-6	0.052160	0.052413	-562.79E-6	608.62E-6	27648.	1 (Very Slight)

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

Structure: 1-D | Sub-structure:

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	8.2801	Hogging	0.0034791	0.037500	0.040240	-374.86E-6	400.43E-6	3258.0	0 (Negligible)
	2	8.2801	1.5199	Sagging	68.605E-6	0.037500	0.037521	-374.86E-6	51.394E-6	78698.	0 (Negligible)

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

Structure: 2-A | Sub-structure:

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]	

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Vertical Offset from Line for Vertical Movement	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
0.0	1	0.0	15.992	Sagging	0.018121	0.066659	0.089422	-822.09E-6	-750.39E-6	4922.2	2 (Slight)
	2	15.992	3.0078	Hogging	364.95E-6	0.055465	0.055520	-562.79E-6	608.62E-6	69403.1	1 (Very Slight)

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

Structure: 2-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 10.400	Hogging	[%] 0.0059899	[%] 0.037500	[%] 0.041981	-374.86E-6	463.44E-6	[m] 7698.1	0 (Negligible)

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

Structure: 3-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.3800	Sagging	[%] 0.0097913	[%] 0.077708	[%] 0.086691	-822.09E-6	-750.39E-6	[m] 4644.2	2 (Slight)

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

Structure: 3-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 3.6900	Sagging	[%] 0.0052437	[%] 0.068499	[%] 0.074909	-719.82E-6	353.22E-6	[m] 6015.9	1 (Very Slight)

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

Structure: 3-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 8.0465	Sagging	[%] 0.0036288	[%] 0.059634	[%] 0.064562	-641.64E-6	608.62E-6	[m] 13186.1	1 (Very Slight)
	2	8.0465	0.25346	None	0.0	0.055786	0.055786	-557.55E-6	608.36E-6	704300.1	1 (Very Slight)

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

Structure: 3-D | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 9.4000	Hogging	[%] 0.0028981	[%] 0.043483	[%] 0.046293	-557.55E-6	608.36E-6	[m] 27284.0	0 (Negligible)

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

Structure: 3-E | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 7.7719	Hogging	[%] 0.0024233	[%] 0.037500	[%] 0.038755	-374.86E-6	400.43E-6	[m] 2452.7	0 (Negligible)
	2	7.7719	1.4581	Sagging	65.599E-6	0.037500	0.037513	-374.86E-6	51.394E-6	109940.0	0 (Negligible)

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

Structure: 4-A | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.7100	Sagging	[%] 0.011766	[%] 0.076115	[%] 0.088729	-822.09E-6	-750.39E-6	[m] 4922.2	2 (Slight)

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

Structure: 4-B | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 5.5300	Sagging	[%] 0.0054688	[%] 0.064451	[%] 0.070181	-698.02E-6	525.95E-6	[m] 5492.6	1 (Very Slight)

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

Structure: 4-C | Sub-structure:

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] 0.0	1	[m] 0.0	[m] 4.7772	Sagging	[%] 0.0012260	[%] 0.057857	[%] 0.059007	-598.81E-6	608.62E-6	[m] 23381.1	1 (Very Slight)
	2	4.7772	0.15282	Hogging	0.0	0.055786	0.055786	-557.55E-6	608.36E-6	989230.1	1 (Very Slight)

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

Structure: 4-D | Sub-structure:

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
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[m]		[m]	[m]	[%]	[%]	[%]		[m]	
0.0	1	0.0	17.372	Hogging	0.010557	0.040948	0.055396	-557.55E-6	608.36E-6
	2	17.372	1.4581	Sagging	65.599E-6	0.037500	0.037521	-374.86E-6	51.394E-6

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

Structure: 5-A | Sub-structure:

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	6.4200	Sagging	0.012827	0.075289	0.087227	-822.09E-6	-750.39E-6	4922.2	2 (Slight)

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

Structure: 5-B | Sub-structure:

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	8.9800	Sagging	0.0056175	0.061172	0.067818	-677.72E-6	608.62E-6	7685.4	1 (Very Slight)

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

Structure: 5-C | Sub-structure:

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	0.22129	None	0.0	0.056311	0.056311	-562.79E-6	608.62E-6	1.0834E+6	1 (Very Slight)
	2	0.22129	17.921	Hogging	0.010568	0.041413	0.053900	-562.79E-6	608.62E-6	7829.8	1 (Very Slight)
	3	18.142	1.4581	Sagging	65.599E-6	0.037500	0.037515	-374.86E-6	51.394E-6	109940.	0 (Negligible)

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

Structure: 6-A | Sub-structure:

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	10.790	Hogging	0.0076016	0.039214	0.042873	-551.60E-6	588.42E-6	7677.5	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: 1-A | Sub-structure:

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	0.011392	0.076354	-750.39E-6	10.740	0.085698	-822.09E-6	-750.39E-6	-	4922.2	2 (Slight)

Structure: 1-B | Sub-structure:

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	0.0056838	0.064855	480.28E-6	10.710	0.069517	-698.02E-6	480.28E-6	-	6334.0	1 (Very Slight)

Structure: 1-C | Sub-structure:

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	0.0013208	0.057965	608.62E-6	8.9780	0.058963	-598.81E-6	608.62E-6	27648.	26784.	1 (Very Slight)

Structure: 1-D | Sub-structure:

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	0.0034791	0.037500	400.43E-6	1.1834	0.040240	-374.86E-6	400.43E-6	3258.0	78698.	0 (Negligible)

Structure: 2-A | Sub-structure:

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	0.018121	0.066659	-750.39E-6	10.740	0.089422	-822.09E-6	-750.39E-6	69403.	4922.2	2 (Slight)

Structure: 2-B | Sub-structure:

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]	

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[m] 0.0	[%] 0.0059899	[%] 0.037500	463.44E-6	[mm] 1.8812	[%] 0.041981	-374.86E-6	463.44E-6	[m] 7698.1	[m] - 0	(Negligible)
Structure: 3-A Sub-structure:										
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] 0.0	[%] 0.0097913	[%] 0.077708	-750.39E-6	[mm] 10.699	[%] 0.086691	-822.09E-6	-750.39E-6	[m] -	[m] 4644.2	2 (Slight)
Structure: 3-B Sub-structure:										
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] 0.0	[%] 0.0052437	[%] 0.068499	353.22E-6	[mm] 10.739	[%] 0.074909	-719.82E-6	353.22E-6	[m] -	[m] 6015.9	1 (Very Slight)
Structure: 3-C Sub-structure:										
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] 0.0	[%] 0.0036288	[%] 0.059634	608.62E-6	[mm] 10.211	[%] 0.064562	-641.64E-6	608.62E-6	[m] -	[m] 13186.	1 (Very Slight)
Structure: 3-D Sub-structure:										
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] 0.0	[%] 0.0028981	[%] 0.043483	608.36E-6	[mm] 5.8688	[%] 0.046293	-557.55E-6	608.36E-6	[m] 27284.	[m] -	0 (Negligible)
Structure: 3-E Sub-structure:										
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] 0.0	[%] 0.0024233	[%] 0.037500	400.43E-6	[mm] 0.95510	[%] 0.038755	-374.86E-6	400.43E-6	[m] 2452.7	[m] 109940.	0 (Negligible)
Structure: 4-A Sub-structure:										
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] 0.0	[%] 0.011766	[%] 0.076115	-750.39E-6	[mm] 10.739	[%] 0.088729	-822.09E-6	-750.39E-6	[m] -	[m] 4922.2	2 (Slight)
Structure: 4-B Sub-structure:										
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] 0.0	[%] 0.0054688	[%] 0.064451	525.95E-6	[mm] 10.697	[%] 0.070181	-698.02E-6	525.95E-6	[m] -	[m] 5492.6	1 (Very Slight)
Structure: 4-C Sub-structure:										
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] 0.0	[%] 0.0012260	[%] 0.057857	608.62E-6	[mm] 8.8517	[%] 0.059007	-598.81E-6	608.62E-6	[m] 989230.	[m] 23381.	1 (Very Slight)
Structure: 4-D Sub-structure:										
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] 0.0	[%] 0.010557	[%] 0.040948	608.36E-6	[mm] 5.9905	[%] 0.055396	-557.55E-6	608.36E-6	[m] 7660.0	[m] 109940.	1 (Very Slight)
Structure: 5-A Sub-structure:										
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] 0.0	[%] 0.012827	[%] 0.075289	-750.39E-6	[mm] 10.740	[%] 0.087227	-822.09E-6	-750.39E-6	[m] -	[m] 4922.2	2 (Slight)
Structure: 5-B Sub-structure:										
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] 0.0	[%] 0.0056175	[%] 0.061172	608.62E-6	[mm] 10.606	[%] 0.067818	-677.72E-6	608.62E-6	[m] -	[m] 7685.4	1 (Very Slight)

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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: 5-C Sub-structure:										
Calculations	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	0.010568	0.056311	608.62E-6	6.4594	0.056311	-562.79E-6	608.62E-6	7829.8	109940.1	(Very Slight)

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
Structure: 6-A Sub-structure:										
0.0	0.0076016	0.039214	588.42E-6	4.6069	0.042873	-551.60E-6	588.42E-6	7677.5	- 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
1-A	Max Slope			[m]	[m]			[mm]	[%]			
	Max Settlement			1	0.0	5.5000 Sagging	750.39E-6	10.740	0.085698	-	4922.2 2	(Slight)
	Max Tensile Strain			1	0.0	5.5000 Sagging	750.39E-6	10.740	0.085698	-	4922.2 2	(Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	
	Min Radius of Curvature (Sagging)			1	0.0	5.5000 Sagging	750.39E-6	10.740	0.085698	-	4922.2 2	(Slight)
1-B	Max Slope			1	0.0	5.5000 Sagging	480.28E-6	10.710	0.069517	-	6334.0 1	(Very Slight)
	Max Settlement			1	0.0	5.5000 Sagging	480.28E-6	10.710	0.069517	-	6334.0 1	(Very Slight)
	Max Tensile Strain			1	0.0	5.5000 Sagging	480.28E-6	10.710	0.069517	-	6334.0 1	(Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	
	Min Radius of Curvature (Sagging)			1	0.0	5.5000 Sagging	480.28E-6	10.710	0.069517	-	6334.0 1	(Very Slight)
1-C	Max Slope			1	0.0	4.9922 Sagging	608.62E-6	8.9780	0.058963	-	26784.1	(Very Slight)
	Max Settlement			1	0.0	4.9922 Sagging	608.62E-6	8.9780	0.058963	-	26784.1	(Very Slight)
	Max Tensile Strain			1	0.0	4.9922 Sagging	608.62E-6	8.9780	0.058963	-	26784.1	(Very Slight)
	Min Radius of Curvature (Hogging)			2	4.9922	9.3000 Hogging	608.62E-6	6.0987	0.052413	27648.	- 1	(Very Slight)
	Min Radius of Curvature (Sagging)			1	0.0	4.9922 Sagging	608.62E-6	8.9780	0.058963	-	26784.1	(Very Slight)
1-D	Max Slope			1	0.0	8.2801 Hogging	400.43E-6	1.1834	0.040240	3258.0	- 0	(Negligible)
	Max Settlement			1	0.0	8.2801 Hogging	400.43E-6	1.1834	0.040240	3258.0	- 0	(Negligible)
	Max Tensile Strain			1	0.0	8.2801 Hogging	400.43E-6	1.1834	0.040240	3258.0	- 0	(Negligible)
	Min Radius of Curvature (Hogging)			1	0.0	8.2801 Hogging	400.43E-6	1.1834	0.040240	3258.0	- 0	(Negligible)
	Min Radius of Curvature (Sagging)			2	8.2801	9.8000 Sagging	51.394E-6	0.17406	0.037521	-	78698.0	(Negligible)
2-A	Max Slope			1	0.0	15.992 Sagging	750.39E-6	10.740	0.089422	-	4922.2 2	(Slight)
	Max Settlement			1	0.0	15.992 Sagging	750.39E-6	10.740	0.089422	-	4922.2 2	(Slight)
	Max Tensile Strain			1	0.0	15.992 Sagging	750.39E-6	10.740	0.089422	-	4922.2 2	(Slight)
	Min Radius of Curvature (Hogging)			2	15.992	19.000 Hogging	608.62E-6	6.0987	0.055520	69403.	- 1	(Very Slight)
	Min Radius of Curvature (Sagging)			1	0.0	15.992 Sagging	750.39E-6	10.740	0.089422	-	4922.2 2	(Slight)
2-B	Max Slope			1	0.0	10.400 Hogging	463.44E-6	1.8812	0.041981	7698.1	- 0	(Negligible)
	Max Settlement			1	0.0	10.400 Hogging	463.44E-6	1.8812	0.041981	7698.1	- 0	(Negligible)
	Max Tensile Strain			1	0.0	10.400 Hogging	463.44E-6	1.8812	0.041981	7698.1	- 0	(Negligible)
	Min Radius of Curvature (Hogging)			1	0.0	10.400 Hogging	463.44E-6	1.8812	0.041981	7698.1	- 0	(Negligible)
	Min Radius of Curvature (Sagging)			-	-	-	-	-	-	-	-	
3-A	Max Slope			1	0.0	4.3800 Sagging	750.39E-6	10.699	0.086691	-	4644.2 2	(Slight)
	Max Settlement			1	0.0	4.3800 Sagging	750.39E-6	10.699	0.086691	-	4644.2 2	(Slight)
	Max Tensile Strain			1	0.0	4.3800 Sagging	750.39E-6	10.699	0.086691	-	4644.2 2	(Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	
	Min Radius of Curvature (Sagging)			1	0.0	4.3800 Sagging	750.39E-6	10.699	0.086691	-	4644.2 2	(Slight)
3-B	Max Slope			1	0.0	3.6900 Sagging	353.22E-6	10.739	0.074909	-	6015.9 1	(Very Slight)
	Max Settlement			1	0.0	3.6900 Sagging	353.22E-6	10.739	0.074909	-	6015.9 1	(Very Slight)
	Max Tensile Strain			1	0.0	3.6900 Sagging	353.22E-6	10.739	0.074909	-	6015.9 1	(Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	
	Min Radius of Curvature (Sagging)			1	0.0	3.6900 Sagging	353.22E-6	10.739	0.074909	-	6015.9 1	(Very Slight)
3-C	Max Slope			1	0.0	8.0465 Sagging	608.62E-6	10.211	0.064562	-	13186.1	(Very Slight)
	Max Settlement			1	0.0	8.0465 Sagging	608.62E-6	10.211	0.064562	-	13186.1	(Very Slight)
	Max Tensile Strain			1	0.0	8.0465 Sagging	608.62E-6	10.211	0.064562	-	13186.1	(Very Slight)
	Min Radius of Curvature (Hogging)			-	-	-	-	-	-	-	-	
	Min Radius of Curvature (Sagging)			1	0.0	8.0465 Sagging	608.62E-6	10.211	0.064562	-	13186.1	(Very Slight)
3-D	Max Slope			1	0.0	9.4000 Hogging	608.36E-6	5.8688	0.046293	27284.	- 0	(Negligible)
	Max Settlement			1	0.0	9.4000 Hogging	608.36E-6	5.8688	0.046293	27284.	- 0	(Negligible)
	Max Tensile Strain			1	0.0	9.4000 Hogging	608.36E-6	5.8688	0.046293	27284.	- 0	(Negligible)
	Min Radius of Curvature (Hogging)			1	0.0	9.4000 Hogging	608.36E-6	5.8688	0.046293	27284.	- 0	(Negligible)
	Min Radius of Curvature (Sagging)			-	-	-	-	-	-	-	-	
3-E	Max Slope			1	0.0	7.7719 Hogging	400.43E-6	0.95510	0.038755	2452.7	- 0	(Negligible)
	Max Settlement			1	0.0	7.7719 Hogging	400.43E-6	0.95510	0.038755	2452.7	- 0	(Negligible)
	Max Tensile Strain			1	0.0	7.7719 Hogging	400.43E-6	0.95510	0.038755	2452.7	- 0	(Negligible)
	Min Radius of			1	0.0	7.7719 Hogging	400.43E-6	0.95510	0.038755	2452.7	- 0	(Negligible)

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

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
4-A	Curvature (Hogging)											
	Min Radius of Curvature (Sagging)		2	7.7719	9.2300	Sagging	51.394E-6	0.17175	0.037513	-	109940.0	0 (Negligible)
	Max Slope		1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2	2 (Slight)
	Max Settlement		1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2	2 (Slight)
	Max Tensile Strain		1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2	2 (Slight)
4-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.7100	Sagging	750.39E-6	10.739	0.088729	-	4922.2	2 (Slight)
	Max Slope		1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6	1 (Very Slight)
	Max Settlement		1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6	1 (Very Slight)
	Max Tensile Strain		1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6	1 (Very Slight)
4-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	5.5300	Sagging	525.95E-6	10.697	0.070181	-	5492.6	1 (Very Slight)
	Max Slope		1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1	1 (Very Slight)
	Max Settlement		1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1	1 (Very Slight)
	Max Tensile Strain		1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1	1 (Very Slight)
4-D	Min Radius of Curvature (Hogging)		2	4.7772	4.9300	Hogging	608.36E-6	6.0835	0.055786	989230.	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)		1	0.0	4.7772	Sagging	608.62E-6	8.8517	0.059007	-	23381.1	1 (Very Slight)
	Max Slope		1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	-	1 (Very Slight)
	Max Settlement		1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	-	1 (Very Slight)
	Max Tensile Strain		1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	-	1 (Very Slight)
5-A	Min Radius of Curvature (Hogging)		1	0.0	17.372	Hogging	608.36E-6	5.9905	0.055396	7660.0	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)		2	17.372	18.830	Sagging	51.394E-6	0.17175	0.037521	-	109940.0	0 (Negligible)
	Max Slope		1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2	2 (Slight)
	Max Settlement		1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2	2 (Slight)
	Max Tensile Strain		1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2	2 (Slight)
5-B	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	6.4200	Sagging	750.39E-6	10.740	0.087227	-	4922.2	2 (Slight)
	Max Slope		1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4	1 (Very Slight)
	Max Settlement		1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4	1 (Very Slight)
	Max Tensile Strain		1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4	1 (Very Slight)
5-C	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)		1	0.0	8.9800	Sagging	608.62E-6	10.606	0.067818	-	7685.4	1 (Very Slight)
	Max Slope		1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6	1 (Very Slight)
	Max Settlement		1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6	1 (Very Slight)
	Max Tensile Strain		1	0.0	0.22129	Sagging	608.62E-6	6.4594	0.056311	-	1.0834E+6	1 (Very Slight)
6-A	Min Radius of Curvature (Hogging)		2	0.22129	18.142	Hogging	608.62E-6	6.3246	0.053900	7829.8	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)		3	18.142	19.600	Sagging	51.394E-6	0.17175	0.037515	-	109940.0	0 (Negligible)
	Max Slope		1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	-	0 (Negligible)
	Max Settlement		1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	-	0 (Negligible)
	Max Tensile Strain		1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	-	0 (Negligible)
	Min Radius of Curvature (Hogging)		1	0.0	10.790	Hogging	588.42E-6	4.6069	0.042873	7677.5	-	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-
	Max Settlement		-	-	-	-	-	-	-	-	-	-

Specific Building Damage Results - All Combined Segments

Structure: 1-A | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-B | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-C | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Structure: 1-D | Sub-structure:

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
[m]	[m]	[m]			[%]	[%]	[%]	
No structures have segments combined.								

Table 8



7 ABC Bayham Street
London NW1 0EY
Q1

Job No.	Sheet No.	Rev.
J13886		
Drg. Ref.		
Made by TRL	Date 11-Dec-2018	Checked

Vertical Offset from Line for Vertical Movement Calculations	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Structure: 2-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 2-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 3-E Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-A Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-B Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-C Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 4-D Sub-structure:								
[m]		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-A Sub-structure:								

Table 8

Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-B Sub-structure:								
Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 5-C Sub-structure:								
Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								
Structure: 6-A Sub-structure:								
Vertical Offset from Line for Vertical Movement	Combined Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
Calculations		[m]	[m]		[%]	[%]	[%]	
No structures have segments combined.								

Table 8



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