Titles

Job No.: J13674
Job Title: 46 Inverness Street
Sub-title: London, NW1 7HB
Calculation Heading: Q1
Initials: TRL
Checker:
Date Saved: 15-Aug-2018
Date Checked:
Notes:
File Name: Q - movements due to excavation in front of wall, plus drained PDISP.xdd
File Path: S:\SI Data\Job\J13674 London NW1\GMA\Xdisp - (Q)

History

Date	Time	By	Notes
24-Jul-2018	10:55	thomasl	
07-Aug-2018	12:14	thomasl	
07-Aug-2018	13:15	thomasl	
15-Aug-2018	12:02	thomasl	
15-Aug-2018	12:35	thomasl	
15-Aug-2018	16:56	thomasl	
11-Mar-2020	09:09	thomasl	

Displacement Lines

Ref.	Name	x1 [m]	y1 [m]	z1 [m]	x2 [m]	y2 [m]	z2 [m]	Intervals [No.]	Surface type for tunnels	Interpolate imported displacements	Calculate
1	Line 1	-0.78000	3.38000	-1.10000	-10.05000	1.45000	-1.10000	16	Surface	Yes	Yes
2	Line 2	1.50000	4.65000	-1.10000	0.15000	10.45000	-1.10000	12	Surface	Yes	Yes
3	Line 3	9.00000	5.98000	-1.10000	9.00000	13.48000	-1.10000	15	Surface	Yes	Yes
4	Line 4	9.00000	1.70000	0.00000	14.50000	1.70000	0.00000	11	Surface	Yes	Yes
5	Line 5	4.50000	0.00000	0.00000	4.50000	-14.50000	0.00000	29	Surface	Yes	Yes

Imported Displacements

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]	
1	ID Set #	1	-1.35938	3.25937	-1.10000	2.68663	0.53733	1.54522	2,6
		2	-1.93875	3.13875	-1.10000	2.46903	0.49381	1.44726	2,6
		3	-2.51812	3.01812	-1.10000	2.25142	0.45028	1.35249	2,6
		4	-3.09750	2.89750	-1.10000	2.03381	0.40676	1.19000	2,6
		5	-3.67687	2.77687	-1.10000	1.81620	0.36324	0.97645	2,6
		6	-4.25625	2.65625	-1.10000	1.59859	0.31972	0.74315	2,6
		7	-4.83563	2.53563	-1.10000	1.38098	0.27620	0.51936	2,6
		8	-5.41500	2.41500	-1.10000	1.16338	0.23268	0.32732	2,6
		9	-5.99437	2.29438	-1.10000	0.94577	0.18915	0.18051	2,6
		10	-6.57375	2.17375	-1.10000	0.72816	0.14563	0.08302	2,6
		11	-7.15313	2.05313	-1.10000	0.51055	0.10211	0.02940	2,6
		12	-7.73250	1.93250	-1.10000	0.29294	0.05860	0.00438	2,6
		13	-8.31188	1.81187	-1.10000	0.07530	0.01510	-0.01690	2,6
		14	-8.89125	1.69125	-1.10000	0.00000	0.00000	-0.02900	2,6
		15	-9.47063	1.57062	-1.10000	0.00000	0.00000	-0.02610	2,6
		16	-10.05000	1.45000	-1.10000	0.00000	0.00000	-0.02358	2,6
		17	1.50000	4.65000	-1.10000	0.79862	-2.85741	4.00390	2,6
		18	1.38750	5.13333	-1.10000	0.75598	-2.72869	2.33852	2,6
		19	1.27500	5.61667	-1.10000	0.71254	-2.59467	1.77972	2,6
		20	1.16250	6.10000	-1.10000	0.66789	-2.45258	1.56261	2,6
		21	1.05000	6.58333	-1.10000	0.62177	-2.30070	1.39151	2,6
		22	0.93750	7.06667	-1.10000	0.57407	-2.13833	1.20636	2,6
		23	0.82500	7.55000	-1.10000	0.52482	-1.96555	1.00257	2,6
		24	0.71250	8.03333	-1.10000	0.47409	-1.78295	0.79178	2,6
		25	0.60000	8.51667	-1.10000	0.42202	-1.59139	0.58926	2,6
		26	0.48750	9.00000	-1.10000	0.36930	-1.39551	0.40930	2,6
		27	0.37500	9.48333	-1.10000	0.31562	-1.19326	0.26109	2,6
		28	0.26250	9.96667	-1.10000	0.26053	-0.98155	0.14906	2,6
		29	0.15000	10.45000	-1.10000	0.20420	-0.76158	0.07252	2,6
		30	9.00000	5.98000	-1.10000	0.45686	-2.99112	1.29951	2,6
		31	9.00000	6.48000	-1.10000	0.43850	-2.84036	1.34910	2,6
		32	9.00000	6.98000	-1.10000	0.41864	-2.68426	1.44566	2,6
		33	9.00000	7.48000	-1.10000	0.39686	-2.52132	1.45826	2,6
		34	9.00000	7.98000	-1.10000	0.37296	-2.35081	1.37859	2,6
		35	9.00000	8.48000	-1.10000	0.34692	-2.17268	1.23051	2,6
		36	9.00000	8.98000	-1.10000	0.31885	-1.98730	1.04083	2,6
		37	9.00000	9.48000	-1.10000	0.19096	-1.14213	0.49487	2,6
		38	9.00000	9.98000	-1.10000	0.16859	-1.00563	0.36533	2,6
		39	9.00000	10.48000	-1.10000	0.14610	-0.87090	0.25202	2,6
		40	9.00000	10.98000	-1.10000	0.12285	-0.73502	0.15978	2,6
		41	9.00000	11.48000	-1.10000	0.09830	-0.59564	0.09037	2,6
		42	9.00000	11.98000	-1.10000	0.07260	-0.45297	0.04220	2,6
		43	9.00000	12.48000	-1.10000	0.04640	-0.30909	0.00961	2,6
		44	9.00000	12.98000	-1.10000	0.03030	-0.20202	-0.00392	2,6
		45	9.00000	13.48000	-1.10000	0.01440	-0.09580	-0.01270	2,6
		46	9.00000	1.70000	0.00000	0.00000	0.00000	0.13175	2,6
		47	9.50000	1.70000	0.00000	0.00000	0.00000	0.26487	2,6
		48	10.00000	1.70000	0.00000	0.00000	0.00000	0.03114	2,6
		49	10.50000	1.70000	0.00000	0.00000	0.00000	-0.02664	2,6
		50	11.00000	1.70000	0.00000	0.00000	0.00000	-0.04142	2,6
		51	11.50000	1.70000	0.00000	0.00000	0.00000	-0.04502	2,6
		52	12.00000	1.70000	0.00000	0.00000	0.00000	-0.04443	2,6
		53	12.50000	1.70000	0.00000	0.00000	0.00000	-0.04215	2,6
		54	13.00000	1.70000	0.00000	0.00000	0.00000	-0.03926	2,6
		55	13.50000	1.70000	0.00000	0.00000	0.00000	-0.03625	2,6
		56	14.00000	1.70000	0.00000	0.00000	0.00000	-0.03334	2,6
		57	14.50000	1.70000	0.00000	0.00000	0.00000	-0.03062	2,6
		58	4.50000	0.00000	0.00000	0.00000	4.65000	2.13604	
		59	4.50000	-0.50000	0.00000	0.00000	4.46250	1.95980	
		60	4.50000	-1.00000	0.00000	0.00000	4.27500	2.04500	
		61	4.50000	-1.50000	0.00000	0.00000	4.08750	2.14776	
		62	4.50000	-2.00000	0.00000	0.00000	3.90000	2.20136	
		63	4.50000	-2.50000	0.00000	0.00000	3.71250	2.19334	
		64	4.50000	-3.00000	0.00000	0.00000	3.52500	2.12756	
		65	4.50000	-3.50000	0.00000	0.00000	3.33750	2.01344	
		66	4.50000	-4.00000	0.00000	0.00000	3.15000	1.86202	
		67	4.50000	-4.50000	0.00000	0.00000	2.96250	1.68432	
		68	4.50000	-5.00000	0.00000	0.00000	2.77500	1.49068	
		69	4.50000	-5.50000	0.00000	0.00000	2.58750	1.29042	
		70	4.50000	-6.00000	0.00000	0.00000	2.40000	1.09167	
		71	4.50000	-6.50000	0.00000	0.00000	2.21250	0.90131	
		72	4.50000	-7.00000	0.00000	0.00000	2.02500	0.72495	
		73	4.50000	-7.50000	0.00000	0.00000	1.83750	0.56684	
		74	4.50000	-8.00000	0.00000	0.00000	1.65000	0.42995	

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
		75	4.50000	-8.50000	0.00000	0.00000	1.46250	0.31590
		76	4.50000	-9.00000	0.00000	0.00000	1.27500	0.22497
		77	4.50000	-9.50000	0.00000	0.00000	1.08750	0.15612
		78	4.50000	-10.00000	0.00000	0.00000	0.90000	0.10697
		79	4.50000	-10.50000	0.00000	0.00000	0.71250	0.07380
		80	4.50000	-11.00000	0.00000	0.00000	0.52500	0.05160
		81	4.50000	-11.50000	0.00000	0.00000	0.33750	0.03390
		82	4.50000	-12.00000	0.00000	0.00000	0.15000	0.01300
		83	4.50000	-12.50000	0.00000	0.00000	0.00000	-0.01441
		84	4.50000	-13.00000	0.00000	0.00000	0.00000	-0.01347
		85	4.50000	-13.50000	0.00000	0.00000	0.00000	-0.01262
		86	4.50000	-14.00000	0.00000	0.00000	0.00000	-0.01183
		87	4.50000	-14.50000	0.00000	0.00000	0.00000	-0.01111

2 - Data point coincident with horizontal movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.
6 - Data point coincident with vertical movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.

Polygonal Excavations

Ref. 1
Excavation Name: Basement
Surface level [m]: -1.1000
Contribution: Positive

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	0.0	0.0	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	-0.80000	4.0000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	-0.50000	4.0000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	0.50000	0.0	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	0.0	0.0	-0.80000	4.0000	No vertical ground movement	No horizontal ground movement
2	-0.80000	4.0000	-0.50000	4.0000	No vertical ground movement	No horizontal ground movement
3	-0.50000	4.0000	0.50000	0.0	No vertical ground movement	No horizontal ground movement
4	0.50000	0.0	0.0	0.0	No vertical ground movement	No horizontal ground movement

Ref. 2
Excavation Name: Basement near 24 GC rear wall
Surface level [m]: -1.1000
Contribution: Positive

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-0.30000	4.0000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	5.0500	5.5000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	5.0000	5.0000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	-0.30000	3.5000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-0.30000	4.0000	5.0500	5.5000	No vertical ground movement	No horizontal ground movement
2	5.0500	5.5000	5.0000	5.0000	No vertical ground movement	No horizontal ground movement
3	5.0000	5.0000	-0.30000	3.5000	No vertical ground movement	No horizontal ground movement
4	-0.30000	3.5000	-0.30000	4.0000	No vertical ground movement	No horizontal ground movement

Ref. 3
Excavation Name: Basement front (Inverness St)
Surface level [m]: 0.0
Contribution: Positive

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	0.50000	0.0	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	0.50000	0.50000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	8.5000	0.50000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	8.5000	0.0	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	0.50000	0.0	0.50000	0.50000	No vertical ground movement	No horizontal ground movement
2	0.50000	0.50000	8.5000	0.50000	No vertical ground movement	No horizontal ground movement
3	8.5000	0.50000	8.5000	0.0	No vertical ground movement	No horizontal ground movement
4	8.5000	0.0	0.50000	0.0	No vertical ground movement	No horizontal ground movement

Ref. 4
Excavation Name: Corner nr. 46 Inv St side elev
Surface level [m]: -1.1000
Contribution: Positive

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	5.5000	5.3500	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	9.5000	5.9500	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	9.5000	5.4500	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	5.6000	4.9000	-3.1000	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	5.5000	5.3500	9.5000	5.9500	No vertical ground movement	No horizontal ground movement
2	9.5000	5.9500	9.5000	5.4500	No vertical ground movement	No horizontal ground movement
3	9.5000	5.4500	5.6000	4.9000	No vertical ground movement	No horizontal ground movement
4	5.6000	4.9000	5.5000	5.3500	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]

[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Horizontal Ground Movement Curves

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

Damage Category Strains

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

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance Along Line: Start [m]	Distance Along Line: End [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
1	24 Gloucester Crescent (side elevation)	Sub 1	Line 1	0.00000	8.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
2	24 Gloucester Crescent (rear elevation)		Line 2	0.00000	5.95000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
3	46 Inverness Street (side elevation)		Line 3	0.00000	7.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
4	46 Inverness Street (front elevation)		Line 4	0.00000	5.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Buildings - Bending Parameters

Ref.	Building Name	Sub-Building Name	Height [m]	Default	Hogging: 2nd Mom. of Area (per unit width) [m³]	Hogging: Dist. of Bending Strain from N.A. [m]	Hogging: Dist. of N.A. from Edge of Beam in Tension [m]	Sagging: 2nd Mom. of Area (per unit width) [m³]	Sagging: Dist. of Bending Strain from N.A. [m]	Sagging: Dist. of N.A. from Edge of Beam in Tension [m]
1	24 Gloucester Crescent (side elevation)	Sub 1	15.500	Yes	1241.3	15.500	15.500	310.32	7.7500	7.7500
2	24 Gloucester Crescent (rear elevation)		15.500	Yes	1241.3	15.500	15.500	310.32	7.7500	7.7500
3	46 Inverness Street (side elevation)		12.200	Yes	605.28	12.200	12.200	151.32	6.1000	6.1000
4	46 Inverness Street (front elevation)		12.200	Yes	605.28	12.200	12.200	151.32	6.1000	6.1000

Warnings

1 Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
2 If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Line 4/Vertical. This is an example only. There are 47 others.

Errors

None

Displacement Results - Displacement Lines

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δH// [mm]	δHperp. [mm]	Angle [°]	
0	Base Model 1		Line 1	0.0	-0.78000	3.38000	-1.10000	2.9042	0.58085	1.6432	-2.9617	0.023310	191.76	*
				0.59180	-1.35938	3.25937	-1.10000	2.6866	0.53733	1.5452	-2.7398	0.021564	191.76	*
				1.1836	-1.93875	3.13875	-1.10000	2.4690	0.49381	1.4473	-2.5178	0.019817	191.76	*
				1.7754	-2.51813	3.01812	-1.10000	2.2514	0.45028	1.3525	-2.2959	0.018071	191.76	*
				2.3672	-3.09750	2.89750	-1.10000	2.0338	0.40676	1.1900	-2.0740	0.016324	191.76	*
				2.9590	-3.67688	2.77687	-1.10000	1.8162	0.36324	0.97645	-1.8521	0.014578	191.76	*
				3.5508	-4.25625	2.65625	-1.10000	1.5986	0.31972	0.74315	-1.6302	0.012831	191.76	*
				4.1426	-4.83563	2.53563	-1.10000	1.3810	0.27620	0.51936	-1.4083	0.011084	191.76	*
				4.7344	-5.41500	2.41500	-1.10000	1.1634	0.23268	0.32732	-1.1864	0.0093378	191.76	*
				5.3262	-5.99438	2.29437	-1.10000	0.94577	0.18915	0.18051	-0.96447	0.0075911	191.76	*
				5.9180	-6.57375	2.17375	-1.10000	0.72816	0.14563	0.083021	-0.74256	0.0058444	191.76	*
				6.5098	-7.15313	2.05312	-1.10000	0.51055	0.10211	0.029400	-0.52065	0.0040979	191.76	*
				7.1016	-7.73250	1.93250	-1.10000	0.29294	0.058600	0.0043800	-0.29874	0.0023403	191.76	*
				7.6934	-8.31188	1.81187	-1.10000	0.075300	0.015100	-0.016900	-0.076797	565.23E-6	191.76	*
				8.2852	-8.89125	1.69125	-1.10000	0.0	0.0	-0.029000	0.0	0.0	191.76	*
				8.8770	-9.47063	1.57062	-1.10000	0.0	0.0	-0.026098	0.0	0.0	191.76	*
				9.4688	-10.05000	1.45000	-1.10000	2.9042	0.58085	1.6432	-2.9617	0.023310	191.76	*
		2	Line 2	0.0	1.50000	4.65000	-1.10000	0.79862	-2.8574	4.0039	-2.9641	-0.13006	103.10	*
				0.49625	1.38750	5.13333	-1.10000	0.75598	-2.7287	2.3385	-2.8290	-0.11771	103.10	*
				0.99251	1.27500	5.61667	-1.10000	0.71254	-2.5947	1.7797	-2.6886	-0.10578	103.10	*
				1.4888	1.16250	6.10000	-1.10000	0.66789	-2.4526	1.5626	-2.5401	-0.094501	103.10	*
				1.9850	1.05000	6.58333	-1.10000	0.62177	-2.3007	1.3915	-2.3818	-0.084012	103.10	*
				2.4813	0.93750	7.06667	-1.10000	0.57407	-2.1383	1.2064	-2.2128	-0.074370	103.10	*
				2.9775	0.82500	7.55000	-1.10000	0.52482	-1.9655	1.0026	-2.0334	-0.065567	103.10	*
				3.4738	0.71250	8.03333	-1.10000	0.47409	-1.7829	0.79178	-1.8440	-0.057555	103.10	*
				3.9700	0.60000	8.51667	-1.10000	0.42202	-1.5914	0.58926	-1.6456	-0.050265	103.10	*
				4.4663	0.48750	9.00000	-1.10000	0.36930	-1.3955	0.40930	-1.4429	-0.043324	103.10	*
				4.9625	0.37500	9.48333	-1.10000	0.31562	-1.1933	0.26109	-1.2337	-0.036895	103.10	*
				5.4588	0.26250	9.96667	-1.10000	0.26053	-0.98155	0.14906	-1.0151	-0.031230	103.10	*
				5.9550	0.15000	10.45000	-1.10000	0.79862	-2.8574	4.0039	-2.9641	-0.13006	103.10	*
		3	Line 3	0.0	9.00000	5.98000	-1.10000	0.45686	-2.9911	1.2995	-2.9911	-0.45686	90.000	*
				0.50000	9.00000	6.48000	-1.10000	0.43850	-2.8404	1.3491	-2.8404	-0.43850	90.000	*
				1.0000	9.00000	6.98000	-1.10000	0.41864	-2.6843	1.4457	-2.6843	-0.41864	90.000	*
				1.5000	9.00000	7.48000	-1.10000	0.39686	-2.5213	1.4583	-2.5213	-0.39686	90.000	*
				2.0000	9.00000	7.98000	-1.10000	0.37296	-2.3508	1.3786	-2.3508	-0.37296	90.000	*
				2.5000	9.00000	8.48000	-1.10000	0.34692	-2.1727	1.2305	-2.1727	-0.34692	90.000	*
				3.0000	9.00000	8.98000	-1.10000	0.31885	-1.9873	1.0408	-1.9873	-0.31885	90.000	*
				3.5000	9.00000	9.48000	-1.10000	0.19096	-1.1421	0.49487	-1.1421	-0.19096	90.000	*

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δH// [mm]	δHperp. [mm]	Angle [°]	
				4.0000	9.00000	9.98000	-1.10000	0.16859	-1.0056	0.36533	-1.0056	-0.16859	90.000	*
				4.5000	9.00000	10.48000	-1.10000	0.14610	-0.87090	0.25202	-0.87090	-0.14610	90.000	*
				5.0000	9.00000	10.98000	-1.10000	0.12285	-0.73502	0.15978	-0.73502	-0.12285	90.000	*
				5.5000	9.00000	11.48000	-1.10000	0.098300	-0.59564	0.090371	-0.59564	-0.098300	90.000	*
				6.0000	9.00000	11.98000	-1.10000	0.072600	-0.45297	0.042200	-0.45297	-0.072600	90.000	*
				6.5000	9.00000	12.48000	-1.10000	0.046400	-0.30909	0.0096100	-0.30909	-0.046400	90.000	*
				7.0000	9.00000	12.98000	-1.10000	0.030300	-0.20202	-0.0039200	-0.20202	-0.030300	90.000	*
				7.5000	9.00000	13.48000	-1.10000	0.014400	-0.095800	-0.012700	-0.095800	-0.014400	90.000	*
		4	Line 4	0.0	9.00000	1.70000	0.00000	0.0	0.0	0.13175	0.0	0.0	0.0	*
				0.50000	9.50000	1.70000	0.00000	0.0	0.0	0.26487	0.0	0.0	0.0	*
				1.0000	10.00000	1.70000	0.00000	0.0	0.0	0.031145	0.0	0.0	0.0	*
				1.5000	10.50000	1.70000	0.00000	0.0	0.0	-0.026637	0.0	0.0	0.0	*
				2.0000	11.00000	1.70000	0.00000	0.0	0.0	-0.041424	0.0	0.0	0.0	*
				2.5000	11.50000	1.70000	0.00000	0.0	0.0	-0.045025	0.0	0.0	0.0	*
				3.0000	12.00000	1.70000	0.00000	0.0	0.0	-0.044427	0.0	0.0	0.0	*
				3.5000	12.50000	1.70000	0.00000	0.0	0.0	-0.042146	0.0	0.0	0.0	*
				4.0000	13.00000	1.70000	0.00000	0.0	0.0	-0.039258	0.0	0.0	0.0	*
				4.5000	13.50000	1.70000	0.00000	0.0	0.0	-0.036249	0.0	0.0	0.0	*
				5.0000	14.00000	1.70000	0.00000	0.0	0.0	-0.033340	0.0	0.0	0.0	*
				5.5000	14.50000	1.70000	0.00000	0.0	0.0	-0.030624	0.0	0.0	0.0	*
		5	Line 5	0.0	4.50000	0.00000	0.00000	0.0	4.6500	2.1360	-4.6500	0.0	270.00	*
				0.50000	4.50000	-0.50000	0.00000	0.0	4.4625	1.9598	-4.4625	0.0	270.00	*
				1.0000	4.50000	-1.00000	0.00000	0.0	4.2750	2.0450	-4.2750	0.0	270.00	*
				1.5000	4.50000	-1.50000	0.00000	0.0	4.0875	2.1478	-4.0875	0.0	270.00	*
				2.0000	4.50000	-2.00000	0.00000	0.0	3.9000	2.2014	-3.9000	0.0	270.00	*
				2.5000	4.50000	-2.50000	0.00000	0.0	3.7125	2.1933	-3.7125	0.0	270.00	*
				3.0000	4.50000	-3.00000	0.00000	0.0	3.5250	2.1276	-3.5250	0.0	270.00	*
				3.5000	4.50000	-3.50000	0.00000	0.0	3.3375	2.0134	-3.3375	0.0	270.00	*
				4.0000	4.50000	-4.00000	0.00000	0.0	3.1500	1.8620	-3.1500	0.0	270.00	*
				4.5000	4.50000	-4.50000	0.00000	0.0	2.9625	1.6843	-2.9625	0.0	270.00	*
				5.0000	4.50000	-5.00000	0.00000	0.0	2.7750	1.4907	-2.7750	0.0	270.00	*
				5.5000	4.50000	-5.50000	0.00000	0.0	2.5875	1.2904	-2.5875	0.0	270.00	*
				6.0000	4.50000	-6.00000	0.00000	0.0	2.4000	1.0917	-2.4000	0.0	270.00	*
				6.5000	4.50000	-6.50000	0.00000	0.0	2.2125	0.90131	-2.2125	0.0	270.00	*
				7.0000	4.50000	-7.00000	0.00000	0.0	2.0250	0.72495	-2.0250	0.0	270.00	*
				7.5000	4.50000	-7.50000	0.00000	0.0	1.8375	0.56084	-1.8375	0.0	270.00	*
				8.0000	4.50000	-8.00000	0.00000	0.0	1.6500	0.42995	-1.6500	0.0	270.00	*
				8.5000	4.50000	-8.50000	0.00000	0.0	1.4625	0.31590	-1.4625	0.0	270.00	*
				9.0000	4.50000	-9.00000	0.00000	0.0	1.2750	0.22497	-1.2750	0.0	270.00	*
				9.5000	4.50000	-9.50000	0.00000	0.0	1.0875	0.15612	-1.0875	0.0	270.00	*
				10.000	4.50000	-10.00000	0.00000	0.0	0.90000	0.10697	-0.90000	0.0	270.00	*
				10.500	4.50000	-10.50000	0.00000	0.0	0.71250	0.073800	-0.71250	0.0	270.00	*
				11.000	4.50000	-11.00000	0.00000	0.0	0.52500	0.051600	-0.52500	0.0	270.00	*
				11.500	4.50000	-11.50000	0.00000	0.0	0.33750	0.033900	-0.33750	0.0	270.00	*
				12.000	4.50000	-12.00000	0.00000	0.0	0.15000	0.013000	-0.15000	0.0	270.00	*
				12.500	4.50000	-12.50000	0.00000	0.0	0.0	-0.014410	0.0	0.0	270.00	*
				13.000	4.50000	-13.00000	0.00000	0.0	0.0	-0.013473	0.0	0.0	270.00	*
				13.500	4.50000	-13.50000	0.00000	0.0	0.0	-0.012617	0.0	0.0	270.00	*
				14.000	4.50000	-14.00000	0.00000	0.0	0.0	-0.011832	0.0	0.0	270.00	*
				14.500	4.50000	-14.50000	0.00000	0.0	0.0	-0.011111	0.0	0.0	270.00	*

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist. [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δH// [mm]	δHperp. [mm]	
0	Base Model	1	24 Gloucester Crescent (side elevation)	Sub 1	0.0	-0.78000	3.38000	-1.10000	0.0	0.0	0.0	0.0	
					0.59180	-1.35938	3.25937	-1.10000	2.6866	0.53733	-2.7398	0.021564	d
					1.1836	-1.93875	3.13875	-1.10000	2.4690	0.49381	-2.5178	0.019817	d
					1.7754	-2.51813	3.01812	-1.10000	2.2514	0.45028	-2.2959	0.018071	d
					2.3672	-3.09750	2.89750	-1.10000	2.0338	0.40676	-2.0740	0.016324	d
					2.9590	-3.67688	2.77687	-1.10000	1.8162	0.36324	-1.8521	0.014578	d
					3.5508	-4.25625	2.65625	-1.10000	1.5986	0.31972	-1.6302	0.012831	d
					4.1426	-4.83563	2.53563	-1.10000	1.3810	0.27620	-1.4083	0.011084	d
					4.7344	-5.41500	2.41500	-1.10000	1.1634	0.23268	-1.1864	0.0093378	d
					5.3262	-5.99438	2.29437	-1.10000	0.94577	0.18915	-0.96447	0.0075911	d
					5.9180	-6.57375	2.17375	-1.10000	0.72816	0.14563	-0.74256	0.0058444	d
					6.5098	-7.15313	2.05312	-1.10000	0.51055	0.10211	-0.52065	0.0040979	d
					7.1016	-7.73250	1.93250	-1.10000	0.29294	0.058600	-0.29874	0.0023403	d
					7.6934	-8.31188	1.81187	-1.10000	0.075300	0.015100	-0.076797	565.23E-6	d
					8.2852	-8.89125	1.69125	-1.10000	0.0	0.0	0.0	0.0	d
					8.8770	-9.47063	1.57062	-1.10000	0.0	0.0	0.0	0.0	d
					9.4688	-10.05000	1.45000	-1.10000	0.0	0.0	0.0	0.0	d
		2	24 Gloucester Crescent (rear elevation)		0.0	1.50000	4.65000	-1.10000	0.79862	-2.8574	-2.9641	-0.13006	d
					0.49625	1.38750	5.13333	-1.10000	0.75598	-2.7287	-2.8290	-0.11771	d
					0.99251	1.27500	5.61667	-1.10000	0.71254	-2.5947	-2.6886	-0.10578	d
					1.4888	1.16250	6.10000	-1.10000	0.66789	-2.4526	-2.5401	-0.094501	d
					1.9850	1.05000	6.58333	-1.10000	0.62177	-2.3007	-2.3818	-0.084012	d
					2.4813	0.93750	7.06667	-1.10000	0.57407	-2.1383	-2.2128	-0.074370	d
					2.9775	0.82500	7.55000	-1.10000	0.52482	-1.9655	-2.0334	-0.065567	d
					3.4738	0.71250	8.03333	-1.10000	0.47409	-1.7829	-1.8440	-0.057555	d
					3.9700	0.60000	8.51667	-1.10000	0.42202	-1.5914	-1.6456	-0.050265	d
					4.4663	0.48750	9.00000	-1.10000	0.36930	-1.3955	-1.4429	-0.043324	d
					4.9625	0.37500	9.48333	-1.10000	0.31562	-1.1933	-1.2337	-0.036895	d
					5.4588	0.26250	9.96667	-1.10000	0.26053	-0.98155	-1.0151	-0.031230	d
					5.9550	0.15000	10.45000	-1.10000	0.20420	-0.76158	-0.78804	-0.026230	d
		3	46 Inverness Street (side elevation)		0.0	9.00000	5.98000	-1.10000	0.45686	-2.9911	-2.9911	-0.45686	d
					0.50000	9.00000	6.48000	-1.10000	0.43850	-2.8404	-2.8404	-0.43850	d
					1.0000	9.00000	6.98000	-1.10000	0.41864	-2.6843	-2.6843	-0.41864	d
					1.5000	9.00000	7.48000	-1.10000	0.39686	-2.5213	-2.5213	-0.39686	d
					2.0000	9.00000	7.98000	-1.10000	0.37296	-2.3508	-2.3508	-0.37296	d
					2.5000	9.00000	8.48000	-1.10000	0.34692	-2.1727	-2.1727	-0.34692	d
					3.0000	9.00000	8.98000	-1.10000	0.31885	-1.9873	-1.9873	-0.31885	d
					3.5000	9.00000	9.48000	-1.10000	0.19096	-1.1421	-1.1421	-0.19096	d
					4.0000	9.00000	9.98000	-1.10000	0.16859	-1.0056	-1.0056	-0.16859	d
					4.5000	9.00000	10.48000	-1.10000	0.14610	-0.87090	-0.87090	-0.14610	d
					5.0000	9.00000	10.98000	-1.10000	0.12285	-0.73502	-0.73502	-0.12285	d
					5.5000	9.00000	11.48000	-1.10000	0.098300	-0.59564	-0.59564	-0.098300	d
					6.0000	9.00000	11.98000	-1.10000	0.072600	-0.45297	-0.45297	-0.072600	d
					6.5000	9.00000	12.48000	-1.10000	0.046400	-0.30909	-0.30909	-0.046400	d
					7.0000	9.00000	12.98000	-1.10000	0.030300	-0.20202	-0.20202	-0.030300	d
					7.5000	9.00000	13.48000	-1.10000	0.014400	-0.095800	-0.095800	-0.014400	d
		4	46 Inverness Street (front elevation)		0.0	9.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					0.50000	9.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					1.0000	10.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					1.5000	10.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					2.0000	11.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					2.5000	11.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					3.0000	12.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					3.5000	12.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					4.0000	13.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					4.5000	13.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					5.0000	14.00000	1.70000	0.00000	0.0	0.0	0.0	0.0	d
					5.5000	14.50000	1.70000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset [m]	Dist. [m]	x [m]	y [m]	z [m]	δz [mm]	
0	Base Model	1	24 Gloucester Crescent (side elevation)	Sub 1	0.0	0.0	-0.78000	3.38000	-1.10000	0.0	
						0.59180	-1.35938	3.25937	-1.10000	1.5452	d
						1.1836	-1.93875	3.13875	-1.10000	1.4473	d

Stage Ref.	Stage: Name	Specific Building Ref.	Specific Building: Name	Sub-building Name	Vertical Offset [m]	Dist. [m]	x [m]	y [m]	z [mm]	δz	
						1.7754	-2.51813	3.01812	-1.10000	1.3525	d
						2.3672	-3.09750	2.89750	-1.10000	1.1900	d
						2.9590	-3.67688	2.77687	-1.10000	0.97645	d
						3.5508	-4.25625	2.65625	-1.10000	0.74315	d
						4.1426	-4.83563	2.53563	-1.10000	0.51936	d
						4.7344	-5.41500	2.41500	-1.10000	0.32732	d
						5.3262	-5.99438	2.29437	-1.10000	0.18051	d
						5.9180	-6.57375	2.17375	-1.10000	0.083021	d
						6.5098	-7.15313	2.05312	-1.10000	0.029400	d
						7.1016	-7.73250	1.93250	-1.10000	0.0043800	d
						7.6934	-8.31188	1.81187	-1.10000	-0.016900	d
						8.2852	-8.89125	1.69125	-1.10000	-0.029000	d
						8.8770	-9.47063	1.57062	-1.10000	-0.026098	d
						9.4688	-10.05000	1.45000	-1.10000	-0.023577	d
	2	24 Gloucester Crescent (rear elevation)			0.0	0.0	1.50000	4.65000	-1.10000	4.0039	d
						0.49625	1.38750	5.13333	-1.10000	2.3385	d
						0.99251	1.27500	5.61667	-1.10000	1.7797	d
						1.4888	1.16250	6.10000	-1.10000	1.5626	d
						1.9850	1.05000	6.58333	-1.10000	1.3915	d
						2.4813	0.93750	7.06667	-1.10000	1.2064	d
						2.9775	0.82500	7.55000	-1.10000	1.0026	d
						3.4738	0.71250	8.03333	-1.10000	0.79178	d
						3.9700	0.60000	8.51667	-1.10000	0.58926	d
						4.4663	0.48750	9.00000	-1.10000	0.40930	d
						4.9625	0.37500	9.48333	-1.10000	0.26109	d
						5.4588	0.26250	9.96667	-1.10000	0.14906	d
						5.9550	0.15000	10.45000	-1.10000	0.072515	d
	3	46 Inverness Street (side elevation)			0.0	0.0	9.00000	5.98000	-1.10000	1.2995	d
						0.50000	9.00000	6.48000	-1.10000	1.3491	d
						1.0000	9.00000	6.98000	-1.10000	1.4457	d
						1.5000	9.00000	7.48000	-1.10000	1.4583	d
						2.0000	9.00000	7.98000	-1.10000	1.3786	d
						2.5000	9.00000	8.48000	-1.10000	1.2305	d
						3.0000	9.00000	8.98000	-1.10000	1.0408	d
						3.5000	9.00000	9.48000	-1.10000	0.49487	d
						4.0000	9.00000	9.98000	-1.10000	0.36533	d
						4.5000	9.00000	10.48000	-1.10000	0.25202	d
						5.0000	9.00000	10.98000	-1.10000	0.15978	d
						5.5000	9.00000	11.48000	-1.10000	0.090371	d
						6.0000	9.00000	11.98000	-1.10000	0.042200	d
						6.5000	9.00000	12.48000	-1.10000	0.0096100	d
						7.0000	9.00000	12.98000	-1.10000	-0.0039200	d
						7.5000	9.00000	13.48000	-1.10000	-0.012700	d
	4	46 Inverness Street (front elevation)			0.0	0.0	9.00000	1.70000	0.00000	0.13175	d
						0.50000	9.50000	1.70000	0.00000	0.26487	d
						1.0000	10.00000	1.70000	0.00000	0.031145	d
						1.5000	10.50000	1.70000	0.00000	-0.026637	d
						2.0000	11.00000	1.70000	0.00000	-0.041424	d
						2.5000	11.50000	1.70000	0.00000	-0.045025	d
						3.0000	12.00000	1.70000	0.00000	-0.044427	d
						3.5000	12.50000	1.70000	0.00000	-0.042146	d
						4.0000	13.00000	1.70000	0.00000	-0.039258	d
						4.5000	13.50000	1.70000	0.00000	-0.036249	d
						5.0000	14.00000	1.70000	0.00000	-0.033340	d
						5.5000	14.50000	1.70000	0.00000	-0.030624	d

d - Displacements include imported displacements.

Specific Building Damage Results - Detail

Stage Ref.	Stage: Name	Specific Building Ref.	Specific Building: Name	Sub-building Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	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 [m]	
0	Base Model	1	24 Gloucester Crescent (side elevation)	Sub 1	0.0	1	0.59180	2.7952	None	0.0042747	0.037498	0.038674	0.0046511	-0.0026232	282.30	0 (Negligible)
						2	3.3870	1.9392	None	0.0022980	0.037498	0.037938	-374.84E-6	394.08E-6	7467.1	0 (Negligible)
		2	24 Gloucester Crescent (rear elevation)		0.0	1	0.0	1.9842	None	0.050947	0.029334	0.065434	-319.05E-6	0.0033550	189.86	1 (Very Slight)
						2	1.9842	1.2074	None	0.0010107	0.035642	0.035763	-381.41E-6	424.59E-6	16962.	0 (Negligible)
						3	3.1916	2.2672	None	0.0032319	0.041311	0.042035	-457.25E-6	424.59E-6	6885.0	0 (Negligible)
		3	46 Inverness Street (side elevation)		0.0	1	0.0	0.60541	None	0.0013379	0.030338	0.030440	-312.09E-6	-193.05E-6	3138.7	0 (Negligible)
						2	0.60541	2.5979	None	0.011715	0.044798	0.048592	-0.0016875	0.0010901	1983.4	0 (Negligible)
						3	3.2033	1.7967	None	0.011892	0.050572	0.053252	-0.0016875	0.0010901	2036.1	1 (Very Slight)
		4	46 Inverness Street (front elevation)		0.0	1	0.0	0.50000	None	0.0	0.0	35.763E-9	0.0	467.46E-6	497.46	0 (Negligible)

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

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

Stage Ref.	Stage: Name	Specific Building Ref.	Specific Building: Name	Sub-building Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	
0	Base Model	1	24 Gloucester Crescent (side elevation)	Sub 1	0.0	0.0042747	0.037498	-0.0026232	1.5452	0.038674	0.0046511	-0.0026232	-		0 (Negligible)
		2	24 Gloucester Crescent (rear elevation)		0.0	0.050947	0.041311	0.0033550	4.0039	0.065434	-457.25E-6	0.0033550	-		1 (Very Slight)
		3	46 Inverness Street (side elevation)		0.0	0.011892	0.050572	0.0010901	1.4582	0.053252	-0.0016875	0.0010901	-		1 (Very Slight)
		4	46 Inverness Street (front elevation)		0.0	0.0	0.0	467.46E-6	0.26487	35.763E-9	0.0	467.46E-6	-		0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Building

Stage Ref.	Stage: Name	Specific Building Ref.	Specific Building: Name	Parameter	Critical Sub-Building	Critical Segment	Start [m]	End [m]	Curvature	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	
0	Base Model	0	24 Gloucester Crescent (side elevation)	Max Slope	Sub 1	1	0.59180	3.3870	Sagging	**0.0026232**	1.5452	0.038674	-		0 (Negligible)

Stage: Stage: Name Damage Category Ref. of	Specific Building:	Specific Building: Name	Parameter	Critical Sub-Building	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile	Min Radius of	Min Radius
282.30 0 (Negligible)													
			Max Settlement	Sub 1	1	0.59180	3.3870	Sagging	0.0026232	**1.5452**	0.038674		-
282.30 0 (Negligible)													
			Max Tensile Strain	Sub 1	1	0.59180	3.3870	Sagging	0.0026232	1.5452	**0.038674**		-
282.30 0 (Negligible)													
			Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-		-
-	-												
			Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-		-
-	-												
	0	24 Gloucester Crescent (rear elevation)	Max Slope		1	0.0	1.9842	Sagging	**0.0033550**	4.0039	0.065434		-
189.86 1 (Very Slight)													
			Max Settlement		1	0.0	1.9842	Sagging	0.0033550	**4.0039**	0.065434		-
189.86 1 (Very Slight)													
			Max Tensile Strain		1	0.0	1.9842	Sagging	0.0033550	4.0039	**0.065434**		-
189.86 1 (Very Slight)													
			Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-		-
-	-												
			Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-		-
-	-												
	0	46 Inverness Street (side elevation)	Max Slope		2	0.60541	3.2033	Sagging	**0.0010901**	1.4582	0.048592		-
1983.4 0 (Negligible)													
			Max Settlement		2	0.60541	3.2033	Sagging	0.0010901	**1.4582**	0.048592		-
1983.4 0 (Negligible)													
			Max Tensile Strain		3	3.2033	5.0000	Sagging	0.0010901	0.81885	**0.053252**		-
2036.1 1 (Very Slight)													
			Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-		-
-	-												
			Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-		-
-	-												
	0	46 Inverness Street (front elevation)	Max Slope		1	0.0	0.50000	Sagging	**467.46E-6**	0.26487	35.763E-9		-
497.46 0 (Negligible)													
			Max Settlement		1	0.0	0.50000	Sagging	467.46E-6	**0.26487**	35.763E-9		-
497.46 0 (Negligible)													
			Max Tensile Strain		1	0.0	0.50000	Sagging	467.46E-6	0.26487	**35.763E-9**		-
497.46 0 (Negligible)													
			Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-		-
-	-												
			Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-		-
-	-												