Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Grid	Grid 1	Global X	15.00000	0.00000	0.00000	-	50.00000	0.00000	25	40.00000	20	Yes	Surface
Line	No7 A	-	25.70000	33.20000	-2.50000	34.00000	22.60000	-2.50000	7	-	-	Yes	Surface
Line	No7 B	-	34.00000	22.60000	-2.50000	39.10000	26.10000	-2.50000	6	-	-	Yes	Surface
Line	No7 C	-	39.10000	26.10000	-2.50000	30.80000	37.20000	-2.50000	7	-	-	Yes	Surface
Line	No7 D	-	30.80000	37.20000	-2.50000	25.70000	33.20000	-2.50000	6	-	-	Yes	Surface
Line	No6 A	-	30.80000	37.20000	-2.50000	40.30000	25.00000	-2.50000	8	-	-	Yes	Surface
Line	No6 B	-	40.30000	25.00000	-0.70000	43.10000	21.10000	-0.70000	6	-	-	Yes	Surface
Line	No6 C	-	43.10000	21.10000	-0.70000	47.90000	24.70000	-0.70000	4	-	-	Yes	Surface
Line	No6 D	-	47.90000	24.70000	-0.70000	45.20000	28.40000	-0.70000	8	-	-	Yes	Surface
Line	No7 E	-	45.20000	28.40000	-2.50000	35.70000	41.10000	-2.50000	6	-	-	Yes	Surface
Line	No8 F	-	35.70000	41.10000	-3.50000	30.80000	37.20000	-3.50000	6	-	-	Yes	Surface
Line	No9 A	-	20.60000	29.40000	-3.50000	28.40000	19.40000	-3.50000	7	-	-	Yes	Surface
Line	No9 B	-	28.40000	19.40000	-3.50000	33.10000	13.40000	-3.50000	7	-	-	Yes	Surface
Line	122A	-	29.30000	10.20000	-3.50000	41.20000	19.20000	-3.50000	7	-	-	Yes	Surface
Line	122B	-	41.20000	19.20000	-3.50000	48.20000	10.40000	-3.50000	9	-	-	Yes	Surface
Grid	Grid 2	Global X	15.00000	0.00000	-3.50000	-	50.00000	-3.50000	25	40.00000	20	Yes	Surface
Line	No8 A	-	25.70000	33.20000	-3.50000	20.60000	29.40000	-3.50000	6	-	-	Yes	Surface

Imported Displacements

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

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1	38.63548	21.89672	-3.50000	0.00000	0.00000	-6.86319	
2	40.70155	23.28605	-3.50000	0.00000	0.00000	-3.05279	
3	36.39905	23.78286	-3.50000	0.00000	0.00000	-4.29956	
4	36.92396	20.09740	-3.50000	0.00000	0.00000	-5.70035	
5	40.45000	19.75000	-3.50000	0.00000	0.00000	-5.31207	
6	25.70000	33.20000	-2.50000	0.00000	0.00000	-0.09641	1,2,6
7	26.88571	31.68571	-2.50000	0.00000	0.00000	-0.13851	1,2,6
8	28.07143	30.17143	-2.50000	0.00000	0.00000	-0.20175	1,2,6
9	29.25714	28.65714	-2.50000	0.00000	0.00000	-0.29997	1,2,6
10	30.44286	27.14286	-2.50000	0.00000	0.00000	-0.45983	1,2,6
11	31.62857	25.62857	-2.50000	0.00000	0.00000	-0.73827	1,2,6
12	32.81429	24.11429	-2.50000	0.00000	0.00000	-1.27153	1,2,6
13	34.00000	22.60000	-2.50000	0.00000	0.00000	-2.48607	1,2,6
14	34.00000	22.60000	-2.50000	0.00000	0.00000	-2.48607	1,2,6
15	34.85000	23.18333	-2.50000	0.00000	0.00000	-3.17759	1
16	35.70000	23.76667	-2.50000	0.00000	0.00000	-3.48930	1
17	36.55000	24.35000	-2.50000	0.00000	0.00000	-3.54232	1
18	37.40000	24.93333	-2.50000	0.00000	0.00000	-3.25202	1
19	38.25000	25.51667	-2.50000	0.00000	0.00000	-2.42828	1
20	39.10000	26.10000	-2.50000	0.00000	0.00000	-1.40058	1,2,6
21	39.10000	26.10000	-2.50000	0.00000	0.00000	-1.40058	1,2,6
22	37.91429	27.68571	-2.50000	0.00000	0.00000	-1.06329	1,2,6
23	36.72857	29.27143	-2.50000	0.00000	0.00000	-0.66625	1,2,6
24	35.54286	30.85714	-2.50000	0.00000	0.00000	-0.42796	1,2,6
25	34.35714	32.44286	-2.50000	0.00000	0.00000	-0.28276	1,2,6
26	33.17143	34.02857	-2.50000	0.00000	0.00000	-0.19100	1,2,6
27	31.98571	35.61429	-2.50000	0.00000	0.00000	-0.13110	1,2,6
28	30.80000	37.20000	-2.50000	0.00000	0.00000	-0.09099	1,2,6
29	30.80000	37.20000	-2.50000	0.00000	0.00000	-0.09099	1,2,6
30	29.95000	36.53333	-2.50000	0.00000	0.00000	-0.09484	1,2,6
31	29.10000	35.86667	-2.50000	0.00000	0.00000	-0.09765	1,2,6
32	28.25000	35.20000	-2.50000	0.00000	0.00000	-0.09926	1,2,6
33	27.40000	34.53333	-2.50000	0.00000	0.00000	-0.09960	1,2,6
34	26.55000	33.86667	-2.50000	0.00000	0.00000	-0.09863	1,2,6
35	25.70000	33.20000	-2.50000	0.00000	0.00000	-0.09641	1,2,6
36	30.80000	37.20000	-2.50000	0.00000	0.00000	-0.09099	1,2,6
37	31.98750	35.67500	-2.50000	0.00000	0.00000	-0.12971	1,2,6
38	33.17500	34.15000	-2.50000	0.00000	0.00000	-0.18673	1,2,6
39	34.36250	32.62500	-2.50000	0.00000	0.00000	-0.27255	1,2,6
40	35.55000	31.10000	-2.50000	0.00000	0.00000	-0.40522	1,2,6
41	36.73750	29.57500	-2.50000	0.00000	0.00000	-0.61601	1,2,6
42	37.92500	28.05000	-2.50000	0.00000	0.00000	-0.95219	1,2,6
43	39.11250	26.52500	-2.50000	0.00000	0.00000	-1.38187	1,2,6
44	40.30000	25.00000	-2.50000	0.00000	0.00000	-1.87110	1,2,6
45	40.30000	25.00000	-0.70000	0.00000	0.00000	-1.87110	1
46	40.76667	24.35000	-0.70000	0.00000	0.00000	-2.13804	1
47	41.23333	23.70000	-0.70000	0.00000	0.00000	-2.35653	1
48	41.70000	23.05000	-0.70000	0.00000	0.00000	-2.51900	1
49	42.16667	22.40000	-0.70000	0.00000	0.00000	-2.58982	1
50	42.63333	21.75000	-0.70000	0.00000	0.00000	-2.45947	1
51	43.10000	21.10000	-0.70000	0.00000	0.00000	-1.96770	1,2,6
52	43.10000	21.10000	-0.70000	0.00000	0.00000	-1.96770	1,2,6
53	44.30000	22.00000	-0.70000	0.00000	0.00000	-1.22442	1,2,6
54	45.50000	22.90000	-0.70000	0.00000	0.00000	-0.80501	1,2,6
55	46.70000	23.80000	-0.70000	0.00000	0.00000	-0.55355	1,2,6
56	47.90000	24.70000	-0.70000	0.00000	0.00000	-0.39289	1,2,6
57	47.90000	24.70000	-0.70000	0.00000	0.00000	-0.39289	1,2,6
58	47.56250	25.16250	-0.70000	0.00000	0.00000	-0.40470	1,2,6
59	47.22500	25.62500	-0.70000	0.00000	0.00000	-0.41394	1,2,6
60	46.88750	26.08750	-0.70000	0.00000	0.00000	-0.42034	1,2,6
61	46.55000	26.55000	-0.70000	0.00000	0.00000	-0.42369	1,2,6
62	46.21250	27.01250	-0.70000	0.00000	0.00000	-0.42394	1,2,6
63	45.87500	27.47500	-0.70000	0.00000	0.00000	-0.42112	1,2,6
64	45.53750	27.93750	-0.70000	0.00000	0.00000	-0.41537	1,2,6
65	45.20000	28.40000	-0.70000	0.00000	0.00000	-0.40691	1,2,6
66	45.20000	28.40000	-2.50000	0.00000	0.00000	-0.40691	1,2,6
67	43.61667	30.51667	-2.50000	0.00000	0.00000	-0.34446	1,2,6
68	42.03333	32.63333	-2.50000	0.00000	0.00000	-0.26332	1,2,6
69	40.45000	34.75000	-2.50000	0.00000	0.00000	-0.18831	1,2,6
70	38.86667	36.86667	-2.50000	0.00000	0.00000	-0.12949	1,2,6
71	37.28333	38.98333	-2.50000	0.00000	0.00000	-0.08709	1,2,6
72	35.70000	41.10000	-2.50000	0.00000	0.00000	-0.05776	1,2,6
73	35.70000	41.10000	-2.50000	0.00000	0.00000	-0.05776	1,2,6
74	34.88333	40.45000	-2.50000	0.00000	0.00000	-0.06362	
75	34.06667	39.80000	-2.50000	0.00000	0.00000	-0.06955	
76	33.25000	39.15000	-2.50000	0.00000	0.00000	-0.07543	
77	32.43333	38.50000	-2.50000	0.00000	0.00000	-0.08108	
78	31.61667	37.85000	-2.50000	0.00000	0.00000	-0.08633	
79	30.80000	37.20000	-2.50000	0.00000	0.00000	-0.09099	1,2,6
80	20.60000	29.40000	-2.50000	0.00000	0.00000	-0.06490	
81	21.71429	27.97143	-2.50000	0.00000	0.00000	-0.08696	

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
82	22.82857	26.54286	-2.50000	0.00000	0.00000	-0.11610	
83	23.94286	25.11429	-2.50000	0.00000	0.00000	-0.15424	
84	25.05714	23.68571	-2.50000	0.00000	0.00000	-0.20331	
85	26.17143	22.25714	-2.50000	0.00000	0.00000	-0.26438	
86	27.28571	20.82857	-2.50000	0.00000	0.00000	-0.33588	
87	28.40000	19.40000	-2.50000	0.00000	0.00000	-0.41081	
88	28.40000	19.40000	-2.50000	0.00000	0.00000	-0.41081	
89	29.07143	18.54286	-2.50000	0.00000	0.00000	-0.45209	
90	29.74286	17.68571	-2.50000	0.00000	0.00000	-0.48574	
91	30.41429	16.82857	-2.50000	0.00000	0.00000	-0.50805	
92	31.08571	15.97143	-2.50000	0.00000	0.00000	-0.51638	
93	31.75714	15.11429	-2.50000	0.00000	0.00000	-0.50981	
94	32.42857	14.25714	-2.50000	0.00000	0.00000	-0.48931	
95	33.10000	13.40000	-2.50000	0.00000	0.00000	-0.45744	
96	29.30000	10.20000	-3.50000	0.00000	0.00000	-0.16452	1,2,6
97	31.00000	11.48571	-3.50000	0.00000	0.00000	-0.24889	1,2,6
98	32.70000	12.77143	-3.50000	0.00000	0.00000	-0.38558	1,2,6
99	34.40000	14.05714	-3.50000	0.00000	0.00000	-0.61841	1,2,6
100	36.10000	15.34286	-3.50000	0.00000	0.00000	-1.04280	1,2,6
101	37.80000	16.62857	-3.50000	0.00000	0.00000	-1.87503	1,2,6
102	39.50000	17.91429	-3.50000	0.00000	0.00000	-3.19173	1,2,6
103	41.20000	19.20000	-3.50000	0.00000	0.00000	-3.35392	1,2,6
104	41.20000	19.20000	-3.50000	0.00000	0.00000	-3.35392	1,2,6
105	41.97778	18.22222	-3.50000	0.00000	0.00000	-1.97643	1,2,6
106	42.75556	17.24444	-3.50000	0.00000	0.00000	-1.27292	1,2,6
107	43.53333	16.26667	-3.50000	0.00000	0.00000	-0.86891	1,2,6
108	44.31111	15.28889	-3.50000	0.00000	0.00000	-0.61876	1,2,6
109	45.08889	14.31111	-3.50000	0.00000	0.00000	-0.45422	1,2,6
110	45.86667	13.33333	-3.50000	0.00000	0.00000	-0.34088	1,2,6
111	46.64444	12.35556	-3.50000	0.00000	0.00000	-0.26004	1,2,6
112	47.42222	11.37778	-3.50000	0.00000	0.00000	-0.20083	1,2,6
113	48.20000	10.40000	-3.50000	0.00000	0.00000	-0.15657	1,2,6
114	15.00000	0.00000	-3.50000	0.00000	0.00000	-0.00631	1
115	17.00000	0.00000	-3.50000	0.00000	0.00000	-0.00856	1
116	19.00000	0.00000	-3.50000	0.00000	0.00000	-0.01128	1
117	21.00000	0.00000	-3.50000	0.00000	0.00000	-0.01449	1
118	23.00000	0.00000	-3.50000	0.00000	0.00000	-0.01821	1
119	25.00000	0.00000	-3.50000	0.00000	0.00000	-0.02237	1
120	27.00000	0.00000	-3.50000	0.00000	0.00000	-0.02686	1
121	29.00000	0.00000	-3.50000	0.00000	0.00000	-0.03148	1
122	31.00000	0.00000	-3.50000	0.00000	0.00000	-0.03594	1
123	33.00000	0.00000	-3.50000	0.00000	0.00000	-0.03987	1
124	35.00000	0.00000	-3.50000	0.00000	0.00000	-0.04291	1
125	37.00000	0.00000	-3.50000	0.00000	0.00000	-0.04471	1
126	39.00000	0.00000	-3.50000	0.00000	0.00000	-0.04504	1
127	41.00000	0.00000	-3.50000	0.00000	0.00000	-0.04388	1
128	43.00000	0.00000	-3.50000	0.00000	0.00000	-0.04134	1
129	45.00000	0.00000	-3.50000	0.00000	0.00000	-0.03773	1
130	47.00000	0.00000	-3.50000	0.00000	0.00000	-0.03343	1
131	49.00000	0.00000	-3.50000	0.00000	0.00000	-0.02881	1
132	51.00000	0.00000	-3.50000	0.00000	0.00000	-0.02420	1
133	53.00000	0.00000	-3.50000	0.00000	0.00000	-0.01985	1
134	55.00000	0.00000	-3.50000	0.00000	0.00000	-0.01591	1
135	15.00000	2.00000	-3.50000	0.00000	0.00000	-0.00834	1
136	17.00000	2.00000	-3.50000	0.00000	0.00000	-0.01129	1
137	19.00000	2.00000	-3.50000	0.00000	0.00000	-0.01492	1
138	21.00000	2.00000	-3.50000	0.00000	0.00000	-0.01929	1
139	23.00000	2.00000	-3.50000	0.00000	0.00000	-0.02445	1
140	25.00000	2.00000	-3.50000	0.00000	0.00000	-0.03035	1
141	27.00000	2.00000	-3.50000	0.00000	0.00000	-0.03687	1
142	29.00000	2.00000	-3.50000	0.00000	0.00000	-0.04373	1
143	31.00000	2.00000	-3.50000	0.00000	0.00000	-0.05049	1
144	33.00000	2.00000	-3.50000	0.00000	0.00000	-0.05659	1
145	35.00000	2.00000	-3.50000	0.00000	0.00000	-0.06137	1
146	37.00000	2.00000	-3.50000	0.00000	0.00000	-0.06424	1
147	39.00000	2.00000	-3.50000	0.00000	0.00000	-0.06478	1
148	41.00000	2.00000	-3.50000	0.00000	0.00000	-0.06293	1
149	43.00000	2.00000	-3.50000	0.00000	0.00000	-0.05892	1
150	45.00000	2.00000	-3.50000	0.00000	0.00000	-0.05329	1
151	47.00000	2.00000	-3.50000	0.00000	0.00000	-0.04669	1
152	49.00000	2.00000	-3.50000	0.00000	0.00000	-0.03975	1
153	51.00000	2.00000	-3.50000	0.00000	0.00000	-0.03299	1
154	53.00000	2.00000	-3.50000	0.00000	0.00000	-0.02675	1
155	55.00000	2.00000	-3.50000	0.00000	0.00000	-0.02124	1
156	15.00000	4.00000	-3.50000	0.00000	0.00000	-0.01072	1
157	17.00000	4.00000	-3.50000	0.00000	0.00000	-0.01454	1
158	19.00000	4.00000	-3.50000	0.00000	0.00000	-0.01932	1
159	21.00000	4.00000	-3.50000	0.00000	0.00000	-0.02522	1
160	23.00000	4.00000	-3.50000	0.00000	0.00000	-0.03233	1
161	25.00000	4.00000	-3.50000	0.00000	0.00000	-0.04068	1
162	27.00000	4.00000	-3.50000	0.00000	0.00000	-0.05015	1
163	29.00000	4.00000	-3.50000	0.00000	0.00000	-0.06038	1
164	31.00000	4.00000	-3.50000	0.00000	0.00000	-0.07076	1
165	33.00000	4.00000	-3.50000	0.00000	0.00000	-0.08036	1
166	35.00000	4.00000	-3.50000	0.00000	0.00000	-0.08806	1
167	37.00000	4.00000	-3.50000	0.00000	0.00000	-0.09275	1
168	39.00000	4.00000	-3.50000	0.00000	0.00000	-0.09367	1
169	41.00000	4.00000	-3.50000	0.00000	0.00000	-0.09065	1
170	43.00000	4.00000	-3.50000	0.00000	0.00000	-0.08416	1
171	45.00000	4.00000	-3.50000	0.00000	0.00000	-0.07520	1
172	47.00000	4.00000	-3.50000	0.00000	0.00000	-0.06493	1
173	49.00000	4.00000	-3.50000	0.00000	0.00000	-0.05443	1
174	51.00000	4.00000	-3.50000	0.00000	0.00000	-0.04447	1
175	53.00000	4.00000	-3.50000	0.00000	0.00000	-0.03555	1
176	55.00000	4.00000	-3.50000	0.00000	0.00000	-0.02786	1
177	15.00000	6.00000	-3.50000	0.00000	0.00000	-0.01341	1
178	17.00000	6.00000	-3.50000	0.00000	0.00000	-0.01829	1
179	19.00000	6.00000	-3.50000	0.00000	0.00000	-0.02453	1
180	21.00000	6.00000	-3.50000	0.00000	0.00000	-0.03238	1
181	23.00000	6.00000	-3.50000	0.00000	0.00000	-0.04211	1
182	25.00000	6.00000	-3.50000	0.00000	0.00000	-0.05386	1
183	27.00000	6.00000	-3.50000	0.00000	0.00000	-0.06760	1
184	29.00000	6.00000	-3.50000	0.00000	0.00000	-0.08296	1
185	31.00000	6.00000	-3.50000	0.00000	0.00000	-0.09908	1
186	33.00000	6.00000	-3.50000	0.00000	0.00000	-0.11449	1
187	35.00000	6.00000	-3.50000	0.00000	0.00000	-0.12722	1
188	37.00000	6.00000	-3.50000	0.00000	0.00000	-0.13517	1
189	39.00000	6.00000	-3.50000	0.00000	0.00000	-0.13679	1
190	41.00000	6.00000	-3.50000	0.00000	0.00000	-0.13169	1
191	43.00000	6.00000	-3.50000	0.00000	0.00000	-0.12086	1
192	45.00000	6.00000	-3.50000	0.00000	0.00000	-0.10625	1
193	47.00000	6.00000	-3.50000	0.00000	0.00000	-0.09003	1
194	49.00000	6.00000	-3.50000	0.00000	0.00000	-0.07399	1
195	51.00000	6.00000	-3.50000	0.00000	0.00000	-0.05930	1
196	53.00000	6.00000	-3.50000	0.00000	0.00000	-0.04656	1
197	55.00000	6.00000	-3.50000	0.00000	0.00000	-0.03593	1
198	15.00000	8.00000	-3.50000	0.00000	0.00000	-0.01639	1
199	17.00000	8.00000	-3.50000	0.00000	0.00000	-0.02251	1
200	19.00000	8.00000	-3.50000	0.00000	0.00000	-0.03050	1
201	21.00000	8.00000	-3.50000	0.00000	0.00000	-0.04083	1

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
202	23.00000	8.00000	-3.50000	0.00000	0.00000	-0.05396	1
203	25.00000	8.00000	-3.50000	0.00000	0.00000	-0.07035	1
204	27.00000	8.00000	-3.50000	0.00000	0.00000	-0.09023	1
205	29.00000	8.00000	-3.50000	0.00000	0.00000	-0.11337	1
206	31.00000	8.00000	-3.50000	0.00000	0.00000	-0.13872	1
207	33.00000	8.00000	-3.50000	0.00000	0.00000	-0.16404	1
208	35.00000	8.00000	-3.50000	0.00000	0.00000	-0.18583	1
209	37.00000	8.00000	-3.50000	0.00000	0.00000	-0.19991	1
210	39.00000	8.00000	-3.50000	0.00000	0.00000	-0.20290	1
211	41.00000	8.00000	-3.50000	0.00000	0.00000	-0.19391	1
212	43.00000	8.00000	-3.50000	0.00000	0.00000	-0.17512	1
213	45.00000	8.00000	-3.50000	0.00000	0.00000	-0.15059	1
214	47.00000	8.00000	-3.50000	0.00000	0.00000	-0.12446	1
215	49.00000	8.00000	-3.50000	0.00000	0.00000	-0.09975	1
216	51.00000	8.00000	-3.50000	0.00000	0.00000	-0.07810	1
217	53.00000	8.00000	-3.50000	0.00000	0.00000	-0.06005	1
218	55.00000	8.00000	-3.50000	0.00000	0.00000	-0.04550	1
219	15.00000	10.00000	-3.50000	0.00000	0.00000	-0.01954	1
220	17.00000	10.00000	-3.50000	0.00000	0.00000	-0.02708	1
221	19.00000	10.00000	-3.50000	0.00000	0.00000	-0.03713	1
222	21.00000	10.00000	-3.50000	0.00000	0.00000	-0.05043	1
223	23.00000	10.00000	-3.50000	0.00000	0.00000	-0.06789	1
224	25.00000	10.00000	-3.50000	0.00000	0.00000	-0.09045	1
225	27.00000	10.00000	-3.50000	0.00000	0.00000	-0.11898	1
226	29.00000	10.00000	-3.50000	0.00000	0.00000	-0.15383	1
227	31.00000	10.00000	-3.50000	0.00000	0.00000	-0.19415	1
228	33.00000	10.00000	-3.50000	0.00000	0.00000	-0.23686	1
229	35.00000	10.00000	-3.50000	0.00000	0.00000	-0.27583	1
230	37.00000	10.00000	-3.50000	0.00000	0.00000	-0.30233	1
231	39.00000	10.00000	-3.50000	0.00000	0.00000	-0.30831	1
232	41.00000	10.00000	-3.50000	0.00000	0.00000	-0.29145	1
233	43.00000	10.00000	-3.50000	0.00000	0.00000	-0.25703	1
234	45.00000	10.00000	-3.50000	0.00000	0.00000	-0.21427	1
235	47.00000	10.00000	-3.50000	0.00000	0.00000	-0.17133	1
236	49.00000	10.00000	-3.50000	0.00000	0.00000	-0.13306	1
237	51.00000	10.00000	-3.50000	0.00000	0.00000	-0.10128	1
238	53.00000	10.00000	-3.50000	0.00000	0.00000	-0.07602	1
239	55.00000	10.00000	-3.50000	0.00000	0.00000	-0.05645	1
240	15.00000	12.00000	-3.50000	0.00000	0.00000	-0.02274	1
241	17.00000	12.00000	-3.50000	0.00000	0.00000	-0.03179	1
242	19.00000	12.00000	-3.50000	0.00000	0.00000	-0.04412	1
243	21.00000	12.00000	-3.50000	0.00000	0.00000	-0.06087	1
244	23.00000	12.00000	-3.50000	0.00000	0.00000	-0.08353	1
245	25.00000	12.00000	-3.50000	0.00000	0.00000	-0.11397	1
246	27.00000	12.00000	-3.50000	0.00000	0.00000	-0.15430	1
247	29.00000	12.00000	-3.50000	0.00000	0.00000	-0.20646	1
248	31.00000	12.00000	-3.50000	0.00000	0.00000	-0.27108	1
249	33.00000	12.00000	-3.50000	0.00000	0.00000	-0.34516	1
250	35.00000	12.00000	-3.50000	0.00000	0.00000	-0.41878	1
251	37.00000	12.00000	-3.50000	0.00000	0.00000	-0.47307	1
252	39.00000	12.00000	-3.50000	0.00000	0.00000	-0.48650	1
253	41.00000	12.00000	-3.50000	0.00000	0.00000	-0.45179	1
254	43.00000	12.00000	-3.50000	0.00000	0.00000	-0.38390	1
255	45.00000	12.00000	-3.50000	0.00000	0.00000	-0.30592	1
256	47.00000	12.00000	-3.50000	0.00000	0.00000	-0.23402	1
257	49.00000	12.00000	-3.50000	0.00000	0.00000	-0.17476	1
258	51.00000	12.00000	-3.50000	0.00000	0.00000	-0.12873	1
259	53.00000	12.00000	-3.50000	0.00000	0.00000	-0.09407	1
260	55.00000	12.00000	-3.50000	0.00000	0.00000	-0.06837	1
261	15.00000	14.00000	-3.50000	0.00000	0.00000	-0.02578	1
262	17.00000	14.00000	-3.50000	0.00000	0.00000	-0.03636	1
263	19.00000	14.00000	-3.50000	0.00000	0.00000	-0.05106	1
264	21.00000	14.00000	-3.50000	0.00000	0.00000	-0.07152	1
265	23.00000	14.00000	-3.50000	0.00000	0.00000	-0.10006	1
266	25.00000	14.00000	-3.50000	0.00000	0.00000	-0.13993	1
267	27.00000	14.00000	-3.50000	0.00000	0.00000	-0.19550	1
268	29.00000	14.00000	-3.50000	0.00000	0.00000	-0.27221	1
269	31.00000	14.00000	-3.50000	0.00000	0.00000	-0.37551	1
270	33.00000	14.00000	-3.50000	0.00000	0.00000	-0.50701	1
271	35.00000	14.00000	-3.50000	0.00000	0.00000	-0.65524	1
272	37.00000	14.00000	-3.50000	0.00000	0.00000	-0.78076	1
273	39.00000	14.00000	-3.50000	0.00000	0.00000	-0.81671	1
274	41.00000	14.00000	-3.50000	0.00000	0.00000	-0.73398	1
275	43.00000	14.00000	-3.50000	0.00000	0.00000	-0.58586	1
276	45.00000	14.00000	-3.50000	0.00000	0.00000	-0.43643	1
277	47.00000	14.00000	-3.50000	0.00000	0.00000	-0.31469	1
278	49.00000	14.00000	-3.50000	0.00000	0.00000	-0.22416	1
279	51.00000	14.00000	-3.50000	0.00000	0.00000	-0.15921	1
280	53.00000	14.00000	-3.50000	0.00000	0.00000	-0.11313	1
281	55.00000	14.00000	-3.50000	0.00000	0.00000	-0.08047	1
282	15.00000	16.00000	-3.50000	0.00000	0.00000	-0.02843	1
283	17.00000	16.00000	-3.50000	0.00000	0.00000	-0.04042	1
284	19.00000	16.00000	-3.50000	0.00000	0.00000	-0.05736	1
285	21.00000	16.00000	-3.50000	0.00000	0.00000	-0.08144	1
286	23.00000	16.00000	-3.50000	0.00000	0.00000	-0.11600	1
287	25.00000	16.00000	-3.50000	0.00000	0.00000	-0.16612	1
288	27.00000	16.00000	-3.50000	0.00000	0.00000	-0.23965	1
289	29.00000	16.00000	-3.50000	0.00000	0.00000	-0.34856	1
290	31.00000	16.00000	-3.50000	0.00000	0.00000	-0.51013	1
291	33.00000	16.00000	-3.50000	0.00000	0.00000	-0.74477	1
292	35.00000	16.00000	-3.50000	0.00000	0.00000	-1.06067	1
293	37.00000	16.00000	-3.50000	0.00000	0.00000	-1.40075	1
294	39.00000	16.00000	-3.50000	0.00000	0.00000	-1.52862	1
295	41.00000	16.00000	-3.50000	0.00000	0.00000	-1.27738	1
296	43.00000	16.00000	-3.50000	0.00000	0.00000	-0.91163	1
297	45.00000	16.00000	-3.50000	0.00000	0.00000	-0.61396	1
298	47.00000	16.00000	-3.50000	0.00000	0.00000	-0.41047	1
299	49.00000	16.00000	-3.50000	0.00000	0.00000	-0.27727	1
300	51.00000	16.00000	-3.50000	0.00000	0.00000	-0.18974	1
301	53.00000	16.00000	-3.50000	0.00000	0.00000	-0.13129	1
302	55.00000	16.00000	-3.50000	0.00000	0.00000	-0.09159	1
303	15.00000	18.00000	-3.50000	0.00000	0.00000	-0.03046	1
304	17.00000	18.00000	-3.50000	0.00000	0.00000	-0.04358	1
305	19.00000	18.00000	-3.50000	0.00000	0.00000	-0.06233	1
306	21.00000	18.00000	-3.50000	0.00000	0.00000	-0.08947	1
307	23.00000	18.00000	-3.50000	0.00000	0.00000	-0.12931	1
308	25.00000	18.00000	-3.50000	0.00000	0.00000	-0.18898	1
309	27.00000	18.00000	-3.50000	0.00000	0.00000	-0.28064	1
310	29.00000	18.00000	-3.50000	0.00000	0.00000	-0.42602	1
311	31.00000	18.00000	-3.50000	0.00000	0.00000	-0.66528	1
312	33.00000	18.00000	-3.50000	0.00000	0.00000	-1.07032	1
313	35.00000	18.00000	-3.50000	0.00000	0.00000	-1.74705	1
314	37.00000	18.00000	-3.50000	0.00000	0.00000	-2.78200	1
315	39.00000	18.00000	-3.50000	0.00000	0.00000	-3.70698	1
316	41.00000	18.00000	-3.50000	0.00000	0.00000	-2.39580	1
317	43.00000	18.00000	-3.50000	0.00000	0.00000	-1.41003	1
318	45.00000	18.00000	-3.50000	0.00000	0.00000	-0.82453	1
319	47.00000	18.00000	-3.50000	0.00000	0.00000	-0.50628	1

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
320	49.00000	18.00000	-3.50000	0.00000	0.00000	-0.32507	1
321	51.00000	18.00000	-3.50000	0.00000	0.00000	-0.21544	1
322	53.00000	18.00000	-3.50000	0.00000	0.00000	-0.14591	1
323	55.00000	18.00000	-3.50000	0.00000	0.00000	-0.10027	1
324	15.00000	20.00000	-3.50000	0.00000	0.00000	-0.03167	1
325	17.00000	20.00000	-3.50000	0.00000	0.00000	-0.04547	1
326	19.00000	20.00000	-3.50000	0.00000	0.00000	-0.06536	1
327	21.00000	20.00000	-3.50000	0.00000	0.00000	-0.09445	1
328	23.00000	20.00000	-3.50000	0.00000	0.00000	-0.13780	1
329	25.00000	20.00000	-3.50000	0.00000	0.00000	-0.20411	1
330	27.00000	20.00000	-3.50000	0.00000	0.00000	-0.30937	1
331	29.00000	20.00000	-3.50000	0.00000	0.00000	-0.48555	1
332	31.00000	20.00000	-3.50000	0.00000	0.00000	-0.80391	1
333	33.00000	20.00000	-3.50000	0.00000	0.00000	-1.43881	1
334	35.00000	20.00000	-3.50000	0.00000	0.00000	-2.78818	1
335	37.00000	20.00000	-3.50000	0.00000	0.00000	-5.68063	1
336	39.00000	20.00000	-3.50000	0.00000	0.00000	-6.47502	1
337	41.00000	20.00000	-3.50000	0.00000	0.00000	-4.86482	1
338	43.00000	20.00000	-3.50000	0.00000	0.00000	-1.97073	1
339	45.00000	20.00000	-3.50000	0.00000	0.00000	-0.98998	1
340	47.00000	20.00000	-3.50000	0.00000	0.00000	-0.57026	1
341	49.00000	20.00000	-3.50000	0.00000	0.00000	-0.35449	1
342	51.00000	20.00000	-3.50000	0.00000	0.00000	-0.23057	1
343	53.00000	20.00000	-3.50000	0.00000	0.00000	-0.15429	1
344	55.00000	20.00000	-3.50000	0.00000	0.00000	-0.10516	1
345	15.00000	22.00000	-3.50000	0.00000	0.00000	-0.03192	1
346	17.00000	22.00000	-3.50000	0.00000	0.00000	-0.04587	1
347	19.00000	22.00000	-3.50000	0.00000	0.00000	-0.06601	1
348	21.00000	22.00000	-3.50000	0.00000	0.00000	-0.09555	1
349	23.00000	22.00000	-3.50000	0.00000	0.00000	-0.13974	1
350	25.00000	22.00000	-3.50000	0.00000	0.00000	-0.20777	1
351	27.00000	22.00000	-3.50000	0.00000	0.00000	-0.31690	1
352	29.00000	22.00000	-3.50000	0.00000	0.00000	-0.50322	1
353	31.00000	22.00000	-3.50000	0.00000	0.00000	-0.85480	1
354	33.00000	22.00000	-3.50000	0.00000	0.00000	-1.64108	1
355	35.00000	22.00000	-3.50000	0.00000	0.00000	-4.27557	1
356	37.00000	22.00000	-3.50000	0.00000	0.00000	-6.51965	1
357	39.00000	22.00000	-3.50000	0.00000	0.00000	-6.70047	1
358	41.00000	22.00000	-3.50000	0.00000	0.00000	-4.28754	1
359	43.00000	22.00000	-3.50000	0.00000	0.00000	-1.95026	1
360	45.00000	22.00000	-3.50000	0.00000	0.00000	-0.98528	1
361	47.00000	22.00000	-3.50000	0.00000	0.00000	-0.57024	1
362	49.00000	22.00000	-3.50000	0.00000	0.00000	-0.35505	1
363	51.00000	22.00000	-3.50000	0.00000	0.00000	-0.23105	1
364	53.00000	22.00000	-3.50000	0.00000	0.00000	-0.15464	1
365	55.00000	22.00000	-3.50000	0.00000	0.00000	-0.10539	1
366	15.00000	24.00000	-3.50000	0.00000	0.00000	-0.03118	1
367	17.00000	24.00000	-3.50000	0.00000	0.00000	-0.04471	1
368	19.00000	24.00000	-3.50000	0.00000	0.00000	-0.06417	1
369	21.00000	24.00000	-3.50000	0.00000	0.00000	-0.09254	1
370	23.00000	24.00000	-3.50000	0.00000	0.00000	-0.13466	1
371	25.00000	24.00000	-3.50000	0.00000	0.00000	-0.19880	1
372	27.00000	24.00000	-3.50000	0.00000	0.00000	-0.29999	1
373	29.00000	24.00000	-3.50000	0.00000	0.00000	-0.46816	1
374	31.00000	24.00000	-3.50000	0.00000	0.00000	-0.76995	1
375	33.00000	24.00000	-3.50000	0.00000	0.00000	-1.36988	1
376	35.00000	24.00000	-3.50000	0.00000	0.00000	-2.58958	1
377	37.00000	24.00000	-3.50000	0.00000	0.00000	-4.50890	1
378	39.00000	24.00000	-3.50000	0.00000	0.00000	-4.75150	1
379	41.00000	24.00000	-3.50000	0.00000	0.00000	-2.26942	1
380	43.00000	24.00000	-3.50000	0.00000	0.00000	-1.38015	1
381	45.00000	24.00000	-3.50000	0.00000	0.00000	-0.82094	1
382	47.00000	24.00000	-3.50000	0.00000	0.00000	-0.50783	1
383	49.00000	24.00000	-3.50000	0.00000	0.00000	-0.32698	1
384	51.00000	24.00000	-3.50000	0.00000	0.00000	-0.21691	1
385	53.00000	24.00000	-3.50000	0.00000	0.00000	-0.14693	1
386	55.00000	24.00000	-3.50000	0.00000	0.00000	-0.10096	1
387	15.00000	26.00000	-3.50000	0.00000	0.00000	-0.02952	1
388	17.00000	26.00000	-3.50000	0.00000	0.00000	-0.04213	1
389	19.00000	26.00000	-3.50000	0.00000	0.00000	-0.06009	1
390	21.00000	26.00000	-3.50000	0.00000	0.00000	-0.08591	1
391	23.00000	26.00000	-3.50000	0.00000	0.00000	-0.12356	1
392	25.00000	26.00000	-3.50000	0.00000	0.00000	-0.17938	1
393	27.00000	26.00000	-3.50000	0.00000	0.00000	-0.26404	1
394	29.00000	26.00000	-3.50000	0.00000	0.00000	-0.39594	1
395	31.00000	26.00000	-3.50000	0.00000	0.00000	-0.60702	1
396	33.00000	26.00000	-3.50000	0.00000	0.00000	-0.94480	1
397	35.00000	26.00000	-3.50000	0.00000	0.00000	-1.43007	1
398	37.00000	26.00000	-3.50000	0.00000	0.00000	-1.89791	1
399	39.00000	26.00000	-3.50000	0.00000	0.00000	-1.45612	1
400	41.00000	26.00000	-3.50000	0.00000	0.00000	-1.29189	1
401	43.00000	26.00000	-3.50000	0.00000	0.00000	-0.91816	1
402	45.00000	26.00000	-3.50000	0.00000	0.00000	-0.61983	1
403	47.00000	26.00000	-3.50000	0.00000	0.00000	-0.41532	1
404	49.00000	26.00000	-3.50000	0.00000	0.00000	-0.28080	1
405	51.00000	26.00000	-3.50000	0.00000	0.00000	-0.19216	1
406	53.00000	26.00000	-3.50000	0.00000	0.00000	-0.13291	1
407	55.00000	26.00000	-3.50000	0.00000	0.00000	-0.09267	1
408	15.00000	28.00000	-3.50000	0.00000	0.00000	-0.02713	1
409	17.00000	28.00000	-3.50000	0.00000	0.00000	-0.03845	1
410	19.00000	28.00000	-3.50000	0.00000	0.00000	-0.05432	1
411	21.00000	28.00000	-3.50000	0.00000	0.00000	-0.07671	1
412	23.00000	28.00000	-3.50000	0.00000	0.00000	-0.10848	1
413	25.00000	28.00000	-3.50000	0.00000	0.00000	-0.15391	1
414	27.00000	28.00000	-3.50000	0.00000	0.00000	-0.21924	1
415	29.00000	28.00000	-3.50000	0.00000	0.00000	-0.31325	1
416	31.00000	28.00000	-3.50000	0.00000	0.00000	-0.44634	1
417	33.00000	28.00000	-3.50000	0.00000	0.00000	-0.62352	1
418	35.00000	28.00000	-3.50000	0.00000	0.00000	-0.82236	1
419	37.00000	28.00000	-3.50000	0.00000	0.00000	-0.95901	1
420	39.00000	28.00000	-3.50000	0.00000	0.00000	-0.92569	1
421	41.00000	28.00000	-3.50000	0.00000	0.00000	-0.78034	1
422	43.00000	28.00000	-3.50000	0.00000	0.00000	-0.60807	1
423	45.00000	28.00000	-3.50000	0.00000	0.00000	-0.44877	1
424	47.00000	28.00000	-3.50000	0.00000	0.00000	-0.32226	1
425	49.00000	28.00000	-3.50000	0.00000	0.00000	-0.22901	1
426	51.00000	28.00000	-3.50000	0.00000	0.00000	-0.16238	1
427	53.00000	28.00000	-3.50000	0.00000	0.00000	-0.11522	1
428	55.00000	28.00000	-3.50000	0.00000	0.00000	-0.08186	1
429	15.00000	30.00000	-3.50000	0.00000	0.00000	-0.02423	1
430	17.00000	30.00000	-3.50000	0.00000	0.00000	-0.03405	1
431	19.00000	30.00000	-3.50000	0.00000	0.00000	-0.04755	1
432	21.00000	30.00000	-3.50000	0.00000	0.00000	-0.06615	1
433	23.00000	30.00000	-3.50000	0.00000	0.00000	-0.09174	1
434	25.00000	30.00000	-3.50000	0.00000	0.00000	-0.12683	1
435	27.00000	30.00000	-3.50000	0.00000	0.00000	-0.17454	1
436	29.00000	30.00000	-3.50000	0.00000	0.00000	-0.23806	1
437	31.00000	30.00000	-3.50000	0.00000	0.00000	-0.31897	1

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
438	33.00000	30.00000	-3.50000	0.00000	0.00000	-0.41288	1
439	35.00000	30.00000	-3.50000	0.00000	0.00000	-0.50281	1
440	37.00000	30.00000	-3.50000	0.00000	0.00000	-0.55737	1
441	39.00000	30.00000	-3.50000	0.00000	0.00000	-0.55077	1
442	41.00000	30.00000	-3.50000	0.00000	0.00000	-0.49161	1
443	43.00000	30.00000	-3.50000	0.00000	0.00000	-0.40718	1
444	45.00000	30.00000	-3.50000	0.00000	0.00000	-0.31979	1
445	47.00000	30.00000	-3.50000	0.00000	0.00000	-0.24259	1
446	49.00000	30.00000	-3.50000	0.00000	0.00000	-0.18023	1
447	51.00000	30.00000	-3.50000	0.00000	0.00000	-0.13230	1
448	53.00000	30.00000	-3.50000	0.00000	0.00000	-0.09643	1
449	55.00000	30.00000	-3.50000	0.00000	0.00000	-0.06994	1
450	15.00000	32.00000	-3.50000	0.00000	0.00000	-0.02106	1
451	17.00000	32.00000	-3.50000	0.00000	0.00000	-0.02931	1
452	19.00000	32.00000	-3.50000	0.00000	0.00000	-0.04044	1
453	21.00000	32.00000	-3.50000	0.00000	0.00000	-0.05536	1
454	23.00000	32.00000	-3.50000	0.00000	0.00000	-0.07522	1
455	25.00000	32.00000	-3.50000	0.00000	0.00000	-0.10135	1
456	27.00000	32.00000	-3.50000	0.00000	0.00000	-0.13502	1
457	29.00000	32.00000	-3.50000	0.00000	0.00000	-0.17691	1
458	31.00000	32.00000	-3.50000	0.00000	0.00000	-0.22596	1
459	33.00000	32.00000	-3.50000	0.00000	0.00000	-0.27768	1
460	35.00000	32.00000	-3.50000	0.00000	0.00000	-0.32274	1
461	37.00000	32.00000	-3.50000	0.00000	0.00000	-0.34875	1
462	39.00000	32.00000	-3.50000	0.00000	0.00000	-0.34719	1
463	41.00000	32.00000	-3.50000	0.00000	0.00000	-0.31979	1
464	43.00000	32.00000	-3.50000	0.00000	0.00000	-0.27613	1
465	45.00000	32.00000	-3.50000	0.00000	0.00000	-0.22677	1
466	47.00000	32.00000	-3.50000	0.00000	0.00000	-0.17951	1
467	49.00000	32.00000	-3.50000	0.00000	0.00000	-0.13846	1
468	51.00000	32.00000	-3.50000	0.00000	0.00000	-0.10488	1
469	53.00000	32.00000	-3.50000	0.00000	0.00000	-0.07843	1
470	55.00000	32.00000	-3.50000	0.00000	0.00000	-0.05809	1
471	15.00000	34.00000	-3.50000	0.00000	0.00000	-0.01783	1
472	17.00000	34.00000	-3.50000	0.00000	0.00000	-0.02460	1
473	19.00000	34.00000	-3.50000	0.00000	0.00000	-0.03352	1
474	21.00000	34.00000	-3.50000	0.00000	0.00000	-0.04516	1
475	23.00000	34.00000	-3.50000	0.00000	0.00000	-0.06016	1
476	25.00000	34.00000	-3.50000	0.00000	0.00000	-0.07914	1
477	27.00000	34.00000	-3.50000	0.00000	0.00000	-0.10245	1
478	29.00000	34.00000	-3.50000	0.00000	0.00000	-0.12986	1
479	31.00000	34.00000	-3.50000	0.00000	0.00000	-0.15996	1
480	33.00000	34.00000	-3.50000	0.00000	0.00000	-0.18965	1
481	35.00000	34.00000	-3.50000	0.00000	0.00000	-0.21405	1
482	37.00000	34.00000	-3.50000	0.00000	0.00000	-0.22777	1
483	39.00000	34.00000	-3.50000	0.00000	0.00000	-0.22740	1
484	41.00000	34.00000	-3.50000	0.00000	0.00000	-0.21339	1
485	43.00000	34.00000	-3.50000	0.00000	0.00000	-0.18951	1
486	45.00000	34.00000	-3.50000	0.00000	0.00000	-0.16078	1
487	47.00000	34.00000	-3.50000	0.00000	0.00000	-0.13153	1
488	49.00000	34.00000	-3.50000	0.00000	0.00000	-0.10462	1
489	51.00000	34.00000	-3.50000	0.00000	0.00000	-0.08144	1
490	53.00000	34.00000	-3.50000	0.00000	0.00000	-0.06235	1
491	55.00000	34.00000	-3.50000	0.00000	0.00000	-0.04709	1
492	15.00000	36.00000	-3.50000	0.00000	0.00000	-0.01474	1
493	17.00000	36.00000	-3.50000	0.00000	0.00000	-0.02016	1
494	19.00000	36.00000	-3.50000	0.00000	0.00000	-0.02715	1
495	21.00000	36.00000	-3.50000	0.00000	0.00000	-0.03604	1
496	23.00000	36.00000	-3.50000	0.00000	0.00000	-0.04715	1
497	25.00000	36.00000	-3.50000	0.00000	0.00000	-0.06071	1
498	27.00000	36.00000	-3.50000	0.00000	0.00000	-0.07670	1
499	29.00000	36.00000	-3.50000	0.00000	0.00000	-0.09466	1
500	31.00000	36.00000	-3.50000	0.00000	0.00000	-0.11344	1
501	33.00000	36.00000	-3.50000	0.00000	0.00000	-0.13111	1
502	35.00000	36.00000	-3.50000	0.00000	0.00000	-0.14508	1
503	37.00000	36.00000	-3.50000	0.00000	0.00000	-0.15282	1
504	39.00000	36.00000	-3.50000	0.00000	0.00000	-0.15277	1
505	41.00000	36.00000	-3.50000	0.00000	0.00000	-0.14506	1
506	43.00000	36.00000	-3.50000	0.00000	0.00000	-0.13137	1
507	45.00000	36.00000	-3.50000	0.00000	0.00000	-0.11416	1
508	47.00000	36.00000	-3.50000	0.00000	0.00000	-0.09580	1
509	49.00000	36.00000	-3.50000	0.00000	0.00000	-0.07813	1
510	51.00000	36.00000	-3.50000	0.00000	0.00000	-0.06225	1
511	53.00000	36.00000	-3.50000	0.00000	0.00000	-0.04865	1
512	55.00000	36.00000	-3.50000	0.00000	0.00000	-0.03740	1
513	15.00000	38.00000	-3.50000	0.00000	0.00000	-0.01188	1
514	17.00000	38.00000	-3.50000	0.00000	0.00000	-0.01615	1
515	19.00000	38.00000	-3.50000	0.00000	0.00000	-0.02153	1
516	21.00000	38.00000	-3.50000	0.00000	0.00000	-0.02821	1
517	23.00000	38.00000	-3.50000	0.00000	0.00000	-0.03632	1
518	25.00000	38.00000	-3.50000	0.00000	0.00000	-0.04592	1
519	27.00000	38.00000	-3.50000	0.00000	0.00000	-0.05685	1
520	29.00000	38.00000	-3.50000	0.00000	0.00000	-0.06868	1
521	31.00000	38.00000	-3.50000	0.00000	0.00000	-0.08060	1
522	33.00000	38.00000	-3.50000	0.00000	0.00000	-0.09143	1
523	35.00000	38.00000	-3.50000	0.00000	0.00000	-0.09977	1
524	37.00000	38.00000	-3.50000	0.00000	0.00000	-0.10433	1
525	39.00000	38.00000	-3.50000	0.00000	0.00000	-0.10436	1
526	41.00000	38.00000	-3.50000	0.00000	0.00000	-0.09990	1
527	43.00000	38.00000	-3.50000	0.00000	0.00000	-0.09175	1
528	45.00000	38.00000	-3.50000	0.00000	0.00000	-0.08116	1
529	47.00000	38.00000	-3.50000	0.00000	0.00000	-0.06948	1
530	49.00000	38.00000	-3.50000	0.00000	0.00000	-0.05781	1
531	51.00000	38.00000	-3.50000	0.00000	0.00000	-0.04696	1
532	53.00000	38.00000	-3.50000	0.00000	0.00000	-0.03735	1
533	55.00000	38.00000	-3.50000	0.00000	0.00000	-0.02917	1
534	15.00000	40.00000	-3.50000	0.00000	0.00000	-0.00934	1
535	17.00000	40.00000	-3.50000	0.00000	0.00000	-0.01265	1
536	19.00000	40.00000	-3.50000	0.00000	0.00000	-0.01673	1
537	21.00000	40.00000	-3.50000	0.00000	0.00000	-0.02168	1
538	23.00000	40.00000	-3.50000	0.00000	0.00000	-0.02756	1
539	25.00000	40.00000	-3.50000	0.00000	0.00000	-0.03431	1
540	27.00000	40.00000	-3.50000	0.00000	0.00000	-0.04178	1
541	29.00000	40.00000	-3.50000	0.00000	0.00000	-0.04963	1
542	31.00000	40.00000	-3.50000	0.00000	0.00000	-0.05731	1
543	33.00000	40.00000	-3.50000	0.00000	0.00000	-0.06411	1
544	35.00000	40.00000	-3.50000	0.00000	0.00000	-0.06924	1
545	37.00000	40.00000	-3.50000	0.00000	0.00000	-0.07203	1
546	39.00000	40.00000	-3.50000	0.00000	0.00000	-0.07208	1
547	41.00000	40.00000	-3.50000	0.00000	0.00000	-0.06939	1
548	43.00000	40.00000	-3.50000	0.00000	0.00000	-0.06439	1
549	45.00000	40.00000	-3.50000	0.00000	0.00000	-0.05774	1
550	47.00000	40.00000	-3.50000	0.00000	0.00000	-0.05019	1
551	49.00000	40.00000	-3.50000	0.00000	0.00000	-0.04244	1
552	51.00000	40.00000	-3.50000	0.00000	0.00000	-0.03502	1
553	53.00000	40.00000	-3.50000	0.00000	0.00000	-0.02827	1
554	55.00000	40.00000	-3.50000	0.00000	0.00000	-0.02236	1
555	15.00000	42.00000	-3.50000	0.00000	0.00000	-0.00715	1

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
556	17.00000	42.00000	-3.50000	0.00000	0.00000	-0.00967	1
557	19.00000	42.00000	-3.50000	0.00000	0.00000	-0.01273	1
558	21.00000	42.00000	-3.50000	0.00000	0.00000	-0.01637	1
559	23.00000	42.00000	-3.50000	0.00000	0.00000	-0.02060	1
560	25.00000	42.00000	-3.50000	0.00000	0.00000	-0.02534	1
561	27.00000	42.00000	-3.50000	0.00000	0.00000	-0.03046	1
562	29.00000	42.00000	-3.50000	0.00000	0.00000	-0.03570	1
563	31.00000	42.00000	-3.50000	0.00000	0.00000	-0.04071	1
564	33.00000	42.00000	-3.50000	0.00000	0.00000	-0.04507	1
565	35.00000	42.00000	-3.50000	0.00000	0.00000	-0.04830	1
566	37.00000	42.00000	-3.50000	0.00000	0.00000	-0.05005	1
567	39.00000	42.00000	-3.50000	0.00000	0.00000	-0.05009	1
568	41.00000	42.00000	-3.50000	0.00000	0.00000	-0.04843	1
569	43.00000	42.00000	-3.50000	0.00000	0.00000	-0.04528	1
570	45.00000	42.00000	-3.50000	0.00000	0.00000	-0.04102	1
571	47.00000	42.00000	-3.50000	0.00000	0.00000	-0.03609	1
572	49.00000	42.00000	-3.50000	0.00000	0.00000	-0.03091	1
573	51.00000	42.00000	-3.50000	0.00000	0.00000	-0.02583	1
574	53.00000	42.00000	-3.50000	0.00000	0.00000	-0.02109	1
575	55.00000	42.00000	-3.50000	0.00000	0.00000	-0.01685	1
576	15.00000	44.00000	-3.50000	0.00000	0.00000	-0.00529	1
577	17.00000	44.00000	-3.50000	0.00000	0.00000	-0.00720	1
578	19.00000	44.00000	-3.50000	0.00000	0.00000	-0.00947	1
579	21.00000	44.00000	-3.50000	0.00000	0.00000	-0.01213	1
580	23.00000	44.00000	-3.50000	0.00000	0.00000	-0.01515	1
581	25.00000	44.00000	-3.50000	0.00000	0.00000	-0.01847	1
582	27.00000	44.00000	-3.50000	0.00000	0.00000	-0.02199	1
583	29.00000	44.00000	-3.50000	0.00000	0.00000	-0.02552	1
584	31.00000	44.00000	-3.50000	0.00000	0.00000	-0.02883	1
585	33.00000	44.00000	-3.50000	0.00000	0.00000	-0.03166	1
586	35.00000	44.00000	-3.50000	0.00000	0.00000	-0.03374	1
587	37.00000	44.00000	-3.50000	0.00000	0.00000	-0.03486	1
588	39.00000	44.00000	-3.50000	0.00000	0.00000	-0.03489	1
589	41.00000	44.00000	-3.50000	0.00000	0.00000	-0.03384	1
590	43.00000	44.00000	-3.50000	0.00000	0.00000	-0.03182	1
591	45.00000	44.00000	-3.50000	0.00000	0.00000	-0.02905	1
592	47.00000	44.00000	-3.50000	0.00000	0.00000	-0.02580	1
593	49.00000	44.00000	-3.50000	0.00000	0.00000	-0.02231	1
594	51.00000	44.00000	-3.50000	0.00000	0.00000	-0.01882	1
595	53.00000	44.00000	-3.50000	0.00000	0.00000	-0.01550	1
596	55.00000	44.00000	-3.50000	0.00000	0.00000	-0.01247	1
597	15.00000	46.00000	-3.50000	0.00000	0.00000	-0.00375	1
598	17.00000	46.00000	-3.50000	0.00000	0.00000	-0.00518	1
599	19.00000	46.00000	-3.50000	0.00000	0.00000	-0.00685	1
600	21.00000	46.00000	-3.50000	0.00000	0.00000	-0.00878	1
601	23.00000	46.00000	-3.50000	0.00000	0.00000	-0.01094	1
602	25.00000	46.00000	-3.50000	0.00000	0.00000	-0.01327	1
603	27.00000	46.00000	-3.50000	0.00000	0.00000	-0.01569	1
604	29.00000	46.00000	-3.50000	0.00000	0.00000	-0.01808	1
605	31.00000	46.00000	-3.50000	0.00000	0.00000	-0.02029	1
606	33.00000	46.00000	-3.50000	0.00000	0.00000	-0.02215	1
607	35.00000	46.00000	-3.50000	0.00000	0.00000	-0.02351	1
608	37.00000	46.00000	-3.50000	0.00000	0.00000	-0.02424	1
609	39.00000	46.00000	-3.50000	0.00000	0.00000	-0.02426	1
610	41.00000	46.00000	-3.50000	0.00000	0.00000	-0.02358	1
611	43.00000	46.00000	-3.50000	0.00000	0.00000	-0.02227	1
612	45.00000	46.00000	-3.50000	0.00000	0.00000	-0.02045	1
613	47.00000	46.00000	-3.50000	0.00000	0.00000	-0.01827	1
614	49.00000	46.00000	-3.50000	0.00000	0.00000	-0.01591	1
615	51.00000	46.00000	-3.50000	0.00000	0.00000	-0.01351	1
616	53.00000	46.00000	-3.50000	0.00000	0.00000	-0.01118	1
617	55.00000	46.00000	-3.50000	0.00000	0.00000	-0.00902	1
618	15.00000	48.00000	-3.50000	0.00000	0.00000	-0.00249	1
619	17.00000	48.00000	-3.50000	0.00000	0.00000	-0.00355	1
620	19.00000	48.00000	-3.50000	0.00000	0.00000	-0.00478	1
621	21.00000	48.00000	-3.50000	0.00000	0.00000	-0.00617	1
622	23.00000	48.00000	-3.50000	0.00000	0.00000	-0.00771	1
623	25.00000	48.00000	-3.50000	0.00000	0.00000	-0.00934	1
624	27.00000	48.00000	-3.50000	0.00000	0.00000	-0.01101	1
625	29.00000	48.00000	-3.50000	0.00000	0.00000	-0.01264	1
626	31.00000	48.00000	-3.50000	0.00000	0.00000	-0.01412	1
627	33.00000	48.00000	-3.50000	0.00000	0.00000	-0.01536	1
628	35.00000	48.00000	-3.50000	0.00000	0.00000	-0.01626	1
629	37.00000	48.00000	-3.50000	0.00000	0.00000	-0.01674	1
630	39.00000	48.00000	-3.50000	0.00000	0.00000	-0.01676	1
631	41.00000	48.00000	-3.50000	0.00000	0.00000	-0.01631	1
632	43.00000	48.00000	-3.50000	0.00000	0.00000	-0.01545	1
633	45.00000	48.00000	-3.50000	0.00000	0.00000	-0.01424	1
634	47.00000	48.00000	-3.50000	0.00000	0.00000	-0.01278	1
635	49.00000	48.00000	-3.50000	0.00000	0.00000	-0.01117	1
636	51.00000	48.00000	-3.50000	0.00000	0.00000	-0.00951	1
637	53.00000	48.00000	-3.50000	0.00000	0.00000	-0.00788	1
638	55.00000	48.00000	-3.50000	0.00000	0.00000	-0.00634	1
639	15.00000	50.00000	-3.50000	0.00000	0.00000	-0.00149	1
640	17.00000	50.00000	-3.50000	0.00000	0.00000	-0.00227	1
641	19.00000	50.00000	-3.50000	0.00000	0.00000	-0.00316	1
642	21.00000	50.00000	-3.50000	0.00000	0.00000	-0.00416	1
643	23.00000	50.00000	-3.50000	0.00000	0.00000	-0.00525	1
644	25.00000	50.00000	-3.50000	0.00000	0.00000	-0.00639	1
645	27.00000	50.00000	-3.50000	0.00000	0.00000	-0.00755	1
646	29.00000	50.00000	-3.50000	0.00000	0.00000	-0.00866	1
647	31.00000	50.00000	-3.50000	0.00000	0.00000	-0.00967	1
648	33.00000	50.00000	-3.50000	0.00000	0.00000	-0.01050	1
649	35.00000	50.00000	-3.50000	0.00000	0.00000	-0.01110	1
650	37.00000	50.00000	-3.50000	0.00000	0.00000	-0.01142	1
651	39.00000	50.00000	-3.50000	0.00000	0.00000	-0.01143	1
652	41.00000	50.00000	-3.50000	0.00000	0.00000	-0.01114	1
653	43.00000	50.00000	-3.50000	0.00000	0.00000	-0.01056	1
654	45.00000	50.00000	-3.50000	0.00000	0.00000	-0.00975	1
655	47.00000	50.00000	-3.50000	0.00000	0.00000	-0.00876	1
656	49.00000	50.00000	-3.50000	0.00000	0.00000	-0.00766	1
657	51.00000	50.00000	-3.50000	0.00000	0.00000	-0.00651	1
658	53.00000	50.00000	-3.50000	0.00000	0.00000	-0.00537	1
659	55.00000	50.00000	-3.50000	0.00000	0.00000	-0.00428	1
660	25.70000	33.20000	-1.00000	0.00000	0.00000	-0.09641	
661	24.85000	32.56667	-1.00000	0.00000	0.00000	-0.09268	
662	24.00000	31.93333	-1.00000	0.00000	0.00000	-0.08807	
663	23.15000	31.30000	-1.00000	0.00000	0.00000	-0.08279	
664	22.30000	30.66667	-1.00000	0.00000	0.00000	-0.07704	
665	21.45000	30.03333	-1.00000	0.00000	0.00000	-0.07102	
666	20.60000	29.40000	-1.00000	0.00000	0.00000	-0.06490	

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

Vertical Ground Movement Curves (Excavations)

Curve Name: No vertical ground movement

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

Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]

Curve Fitting Method: Polynomial

x Order: 1

y Order: 0

Polynomial: z = 0.0x + 0.0

Coeff. of Determination: -2147483648.E+2147483647

Horizontal Ground Movement Curves (Excavations)

Curve Name: **Installation of underpins**

Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.150][1.500,0.000,0.000]

Curve Fitting Method: Polynomial

x Order: 1

y Order: 0

Polynomial: z = -10.0E-2x + 1.50E-1

Coeff. of Determination: 1.00

Polygonal Excavations

Excavation Name: **Basement Excavation**

Surface level [m]: 0.0

Contribution: Positive

Enabled: Yes

Surface movement curves which are selected are applied between surface and [m]: -3.5000

Corner	x	y	Base Level	Stiffened	Previous Side d	Previous Side p1	Previous Side p2*	Next Side d	Next Side p1	Next Side p2*
	[m]	[m]	[m]		[m]	[%]	[%]	[m]	[%]	[%]
1	34.000	22.600	-3.5000	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	38.500	17.700	-3.5000	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	43.100	21.100	-1.1900	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	39.100	26.100	-3.5000	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x	Corner 1 y	Corner 2 x	Corner 2 y	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
	[m]	[m]	[m]	[m]		
1	34.000	22.600	38.500	17.700	No vertical ground movement	Installation of underpins
2	38.500	17.700	43.100	21.100	No vertical ground movement	Installation of underpins
3	43.100	21.100	39.100	26.100	No vertical ground movement	Installation of underpins
4	39.100	26.100	34.000	22.600	No vertical ground movement	Installation of underpins

Damage Category Strains

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

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line	End Distance Along Line	Vertical Offsets from Line for Vertical Movement Calculations	Vertical Displacement Limit Sensitivity	Damage Category Strains	Poisson's Ratio	E/G
			[m]	[m]	[m]	[mm]			
No 6 Denmark Street	No6 A	No6 A	0.00000	15.46000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 6 Denmark Street	No6 C	No6 C	0.00000	5.99000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 6 Denmark Street	No6 D	No6 D	0.00000	4.58000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 6 Denmark Street	No6 E	No7 E	0.00000	15.86000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 6 Denmark Street	No6 F	No8 F	0.00000	6.26000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 9 Denmark Street	No9 A	No9 A	0.00000	12.68000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 9 Denmark Street	No9 B	No9 B	0.00000	7.62000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 8 Denmark Street	No8 A	No8 A	0.00000	6.36000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
122 Charing Cross Rd	122A	122A	0.00000	14.92000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
122 Charing Cross Rd	122B	122B	0.00000	11.24000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 7 Retained	No7 A	No7 A	0.00000	13.46000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 7 Retained	No7 C	No7 C	0.00000	13.86000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
No 7 Retained	No7 D	No7 D	0.00000	6.48000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height	Default Properties	Hogging 2nd Moment of Area (per unit width)	Hogging Distance of Bending Strain from N.A.	Hogging Distance of N.A. from Edge of Beam in Tension	Sagging 2nd Moment of Area (per unit width)	Sagging Distance of Bending Strain from N.A.	Sagging Distance of N.A. from Edge of Beam in Tension
		[m]		[m³]	[m]	[m]	[m³]	[m]	[m]
No 6 Denmark Street	No6 A	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000
No 6 Denmark Street	No6 C	9.0000	Yes	243.00	9.0000	9.0000	60.750	4.5000	4.5000
No 6 Denmark Street	No6 D	9.0000	Yes	243.00	9.0000	9.0000	60.750	4.5000	4.5000
No 6 Denmark Street	No6 E	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000
No 6 Denmark Street	No6 F	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000
No 9 Denmark Street	No9 A	18.000	Yes	1944.0	18.000	18.000	486.00	9.0000	9.0000
No 9 Denmark Street	No9 B	18.000	Yes	1944.0	18.000	18.000	486.00	9.0000	9.0000
No 8 Denmark Street	No8 A	18.000	Yes	1944.0	18.000	18.000	486.00	9.0000	9.0000
122 Charing Cross Rd	122A	18.000	Yes	1944.0	18.000	18.000	486.00	9.0000	9.0000
122 Charing Cross Rd	122B	18.000	Yes	1944.0	18.000	18.000	486.00	9.0000	9.0000

Structure Name	Sub-Structure Name	Height	Default Properties	Hogging			Sagging		
				2nd Moment of Area	Distance of Bending	Distance of N.A.	2nd Moment of Area	Distance of Bending	Distance of N.A.
No 7 Retained	No7 A	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000
No 7 Retained	No7 C	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000
No 7 Retained	No7 D	15.000	Yes	1125.0	15.000	15.000	281.25	7.5000	7.5000

Building Segment Combinations

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

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Displacement and Strain Results

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
Grid 1	Grid 1	15.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	0.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	2.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	4.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	6.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
		43.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	8.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	10.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	12.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	14.00000	0.00000	0.072883	0.072361	0.0	-	-	-
		37.00000	14.00000	0.00000	0.28234	0.53331	0.0	-	-	-
		39.00000	14.00000	0.00000	-0.15658	0.67624	0.0	-	-	-
		41.00000	14.00000	0.00000	-0.30250	0.42951	0.0	-	-	-
		43.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	14.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	16.00000	0.00000	0.036235	0.033277	0.0	-	-	-
		35.00000	16.00000	0.00000	1.1212	1.0297	0.0	-	-	-
		37.00000	16.00000	0.00000	1.3193	1.3656	0.0	-	-	-
		39.00000	16.00000	0.00000	-0.68308	1.6675	0.0	-	-	-
		41.00000	16.00000	0.00000	-1.0647	1.4404	0.0	-	-	-
		43.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	16.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	18.00000	0.00000	1.0326	0.94832	0.0	-	-	-
		35.00000	18.00000	0.00000	2.1176	1.9447	0.0	-	-	-
		37.00000	18.00000	0.00000	3.2025	2.9411	0.0	-	-	-
		39.00000	18.00000	0.00000	-2.8783	3.8942	0.0	-	-	-
		41.00000	18.00000	0.00000	-1.5926	2.1547	0.0	-	-	-
		43.00000	18.00000	0.00000	-0.30693	0.41526	0.0	-	-	-
		45.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	18.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	20.00000	0.00000	0.56826	0.50871	0.0	-	-	-
		33.00000	20.00000	0.00000	2.0290	1.8634	0.0	-	-	-
		35.00000	20.00000	0.00000	3.1140	2.8598	0.0	-	-	-
		37.00000	20.00000	0.00000	Point lies within an excavation.					
		39.00000	20.00000	0.00000	Point lies within an excavation.					
		41.00000	20.00000	0.00000	Point lies within an excavation.					
		43.00000	20.00000	0.00000	-0.83489	1.1296	0.0	-	-	-
		45.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
		51.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	20.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	22.00000	0.00000	0.072332	0.018745	0.0	-	-	-
		31.00000	22.00000	0.00000	0.77045	0.28076	0.0	-	-	-
		33.00000	22.00000	0.00000	1.6863	1.2533	0.0	-	-	-
		35.00000	22.00000	0.00000		Point lies within an excavation.				
		37.00000	22.00000	0.00000		Point lies within an excavation.				
		39.00000	22.00000	0.00000		Point lies within an excavation.				
		41.00000	22.00000	0.00000		Point lies within an excavation.				
		43.00000	22.00000	0.00000	-1.3392	-1.0713	0.0	-	-	-
		45.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	22.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	24.00000	0.00000	0.017619	-0.0069942	0.0	-	-	-
		31.00000	24.00000	0.00000	0.61029	-0.40894	0.0	-	-	-
		33.00000	24.00000	0.00000	1.2139	-1.7379	0.0	-	-	-
		35.00000	24.00000	0.00000	2.6377	-3.8435	0.0	-	-	-
		37.00000	24.00000	0.00000		Point lies within an excavation.				
		39.00000	24.00000	0.00000		Point lies within an excavation.				
		41.00000	24.00000	0.00000	-2.7709	-2.2168	0.0	-	-	-
		43.00000	24.00000	0.00000	-1.0235	-0.81879	0.0	-	-	-
		45.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	24.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	26.00000	0.00000	0.24195	-0.31212	0.0	-	-	-
		33.00000	26.00000	0.00000	1.0642	-1.5508	0.0	-	-	-
		35.00000	26.00000	0.00000	1.7046	-2.4838	0.0	-	-	-
		37.00000	26.00000	0.00000	2.3450	-3.4169	0.0	-	-	-
		39.00000	26.00000	0.00000		Point lies within an excavation.				
		41.00000	26.00000	0.00000	-2.4553	-1.9642	0.0	-	-	-
		43.00000	26.00000	0.00000	-0.70781	-0.56625	0.0	-	-	-
		45.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	26.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	28.00000	0.00000	0.13115	-0.19111	0.0	-	-	-
		35.00000	28.00000	0.00000	0.77151	-1.1242	0.0	-	-	-
		37.00000	28.00000	0.00000	1.4119	-2.0573	0.0	-	-	-
		39.00000	28.00000	0.00000	0.20850	-1.4355	0.0	-	-	-
		41.00000	28.00000	0.00000	-1.1903	-1.0788	0.0	-	-	-
		43.00000	28.00000	0.00000	-0.39213	-0.31370	0.0	-	-	-
		45.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	28.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	30.00000	0.00000	0.26591	-0.44180	0.0	-	-	-
		39.00000	30.00000	0.00000	0.062452	-0.56935	0.0	-	-	-
		41.00000	30.00000	0.00000	-0.22979	-0.36400	0.0	-	-	-
		43.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	30.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	32.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
		17.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	34.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	36.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	38.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	40.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	42.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		25.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		27.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		29.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		31.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		33.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		35.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		37.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		39.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		41.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		43.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		45.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		47.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		49.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		51.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		53.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		55.00000	44.00000	0.00000	0.0	0.0	0.0	-	-	-
		15.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-
		17.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-
		19.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-
		21.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-
		23.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-

Type/No.		Coordinates			Displacements					Angle of Line	
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis	
		25.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		27.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		29.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		31.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		33.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		35.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		37.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		39.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		41.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		43.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		45.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		47.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		49.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		51.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		53.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		55.00000	46.00000	0.00000	0.0	0.0	0.0	-	-	-	
		15.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		17.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		19.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		21.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		23.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		25.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		27.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		29.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		31.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		33.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		35.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		37.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		39.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		41.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		43.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		45.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		47.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		49.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		51.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		53.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		55.00000	48.00000	0.00000	0.0	0.0	0.0	-	-	-	
		15.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		17.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		19.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		21.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		23.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		25.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		27.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		29.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		31.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		33.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		35.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		37.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		39.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		41.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		43.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		45.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		47.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		49.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		51.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		53.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
		55.00000	50.00000	0.00000	0.0	0.0	0.0	-	-	-	
No7 A	Line 1	25.70000	33.20000	-2.50000	0.0	0.0	-0.19281	0.0	0.0	308.06	*
	1.9233	26.88571	31.68571	-2.50000	0.0	0.0	-0.13851	0.0	0.0	308.06	*
	3.8465	28.07143	30.17143	-2.50000	0.0	0.0	-0.20175	0.0	0.0	308.06	*
	5.7698	29.25714	28.65714	-2.50000	0.0	0.0	-0.29997	0.0	0.0	308.06	*
	7.6931	30.44286	27.14286	-2.50000	0.0	0.0	-0.45983	0.0	0.0	308.06	*
	9.6164	31.62857	25.62857	-2.50000	0.47915	-0.65718	-0.73827	0.81283	-0.027901	308.06	*
	11.540	32.81429	24.11429	-2.50000	1.1358	-1.5578	-1.2715	1.9267	-0.066136	308.06	*
	13.463	34.00000	22.60000	-2.50000	2.6641	-1.0818	-4.9721	2.4942	1.4306	308.06	*
No7 B	Line 2	34.00000	22.60000	-2.50000	2.6641	-1.0818	-4.9721	1.5844	-2.3994	34.461	*
	1.0309	34.85000	23.18333	-2.50000	0.0	0.0	-3.1776	0.0	0.0	34.461	*
	2.0618	35.70000	23.76667	-2.50000	0.0	0.0	-3.4893	0.0	0.0	34.461	*
	3.0927	36.55000	24.35000	-2.50000	2.9707	-4.3287	-3.5423	0.0	-5.2500	34.461	*
	4.1236	37.40000	24.93333	-2.50000	2.9707	-4.3287	-3.2520	0.0	-5.2500	34.461	*
	5.1546	38.25000	25.51667	-2.50000	2.9707	-4.3287	-2.4283	0.0	-5.2500	34.461	*
	6.1855	39.10000	26.10000	-2.50000	-0.38687	-2.6074	-2.8012	-1.7943	-1.9309	34.461	*
No7 C	Line 3	39.10000	26.10000	-2.50000	-0.38687	-2.6074	-2.8012	-1.8565	1.8712	126.79	*
	1.9800	37.91429	27.68571	-2.50000	1.8512	-2.6975	-1.0633	-3.2689	0.13280	126.79	*
	3.9600	36.72857	29.27143	-2.50000	0.73178	-1.0663	-0.66625	-1.2922	0.052496	126.79	*
	5.9400	35.54286	30.85714	-2.50000	0.0	0.0	-0.42796	0.0	0.0	126.79	*
	7.9200	34.35714	32.44286	-2.50000	0.0	0.0	-0.28276	0.0	0.0	126.79	*
	9.9000	33.17143	34.02857	-2.50000	0.0	0.0	-0.19100	0.0	0.0	126.79	*
	11.880	31.98571	35.61429	-2.50000	0.0	0.0	-0.13110	0.0	0.0	126.79	*
	13.860	30.80000	37.20000	-2.50000	0.0	0.0	-0.36396	0.0	0.0	126.79	*
No7 D	Line 4	30.80000	37.20000	-2.50000	0.0	0.0	-0.36396	0.0	0.0	218.11	*
	1.0803	29.95000	36.53333	-2.50000	0.0	0.0	-0.094844	0.0	0.0	218.11	*
	2.1605	29.10000	35.86667	-2.50000	0.0	0.0	-0.097651	0.0	0.0	218.11	*
	3.2408	28.25000	35.20000	-2.50000	0.0	0.0	-0.099264	0.0	0.0	218.11	*
	4.3210	27.40000	34.53333	-2.50000	0.0	0.0	-0.099597	0.0	0.0	218.11	*
	5.4013	26.55000	33.86667	-2.50000	0.0	0.0	-0.098627	0.0	0.0	218.11	*
	6.4815	25.70000	33.20000	-2.50000	0.0	0.0	-0.19281	0.0	0.0	218.11	*
No6 A	Line 5	30.80000	37.20000	-2.50000	0.0	0.0	-0.36396	0.0	0.0	307.91	*
	1.9328	31.98750	35.67500	-2.50000	0.0	0.0	-0.12971	0.0	0.0	307.91	*
	3.8656	33.17500	34.15000	-2.50000	0.0	0.0	-0.18673	0.0	0.0	307.91	*
	5.7985	34.36250	32.62500	-2.50000	0.0	0.0	-0.27255	0.0	0.0	307.91	*
	7.7313	35.55000	31.10000	-2.50000	0.0	0.0	-0.40522	0.0	0.0	307.91	*
	9.6641	36.73750	29.57500	-2.50000	0.40371	-0.59109	-0.61601	0.71441	-0.044629	307.91	*
	11.597	37.92500	28.05000	-2.50000	1.0488	-1.5366	-0.95219	1.9357	-0.17799	307.91	*
	13.530	39.11250	26.52500	-2.50000	0.065911	-1.9708	-1.3819	1.5955	-1.1589	307.91	*
	15.463	40.30000	25.00000	-2.50000	-3.2247	-2.5798	-1.8711	0.054223	-4.1293	307.91	*
No6 B	Line 6	40.30000	25.00000	-0.70000	-3.2247	-2.5798	-1.8711	0.21493	-4.1240	305.68	*
	0.80017	40.76667	24.35000	-0.70000	-2.9196	-2.3357	-2.1380	0.19460	-3.7338	305.68	*
	1.6003	41.23333	23.70000	-0.70000	-2.6144	-2.0915	-2.3565	0.17426	-3.3436	305.68	*
	2.4005	41.70000	23.05000	-0.70000	-2.3093	-1.8474	-2.5190	0.15392	-2.9533	305.68	*
	3.2007	42.16667	22.40000	-0.70000	-2.0041	-1.6033	-2.5898	0.13358	-2.5631	305.68	*
	4.0009	42.63333	21.75000	-0.70000	-1.6990	-1.3592	-2.4595	0.11324	-2.1728	305.68	*
	4.8010	43.10000	21.10000	-0.70000	-0.45557	-0.36446	-3.9354	0.030365	-0.58263	305.68	*
No6 C	Line 7	43.10000	21.10000	-0.70000	-0.45557	-0.36446	-3.9354	-0.58314	-0.018223	36.870	*
	1.5000	44.30000	22.00000	-0.70000	-0.14354	-0.11138	-1.2244	-0.18166	-0.0029782	36.870	*
	3.0000	45.50000	22.90000	-0.70000	0.0	0.0	-0.80501	0.0	0.0	36.870	*
	4.5000	46.70000	23.80000	-0.70000	0.0	0.0	-0.55355	0.0	0.0	36.870	*
	6.0000	47.90000	24.70000	-0.70000	0.0	0.0	-0.78577	0.0	0.0	36.870	*
No6 D	Line 8	47.90000	24.70000	-0.70000	0.0	0.0	-0.78577	0.0	0.0	126.12	*
	0.57255	47.56250	25.16250	-0.70000	0.0	0.0	-0.40470	0.0	0.0	126.12	*
	1.1451	47.22500	25.62500	-0.70000	0.0	0.0	-0.41394	0.0	0.0	126.12	*
	1.7176	46.88750	26.08750	-0.70000	0.0	0.0	-0.42034	0.0	0.0	126.12	*
	2.2902	46.55000	26.55000	-0.70000	0.0	0.0	-0.42369	0.0	0.0	126.12	*
	2.8627	46.21250	27.01250	-0.70000	0.0	0.0	-0.42394	0.0	0.0	126.12	*
	3.4353	45.87500	27.47500	-0.70000	0.0	0.0	-0.42112	0.0	0.0	126.12	*
	4.0078	45.53750	27.93750	-0.70000	0.0	0.0	-0.41537	0.0	0.0	126.12	*
	4.5804	45.20000	28.40000	-0.70000	0.0	0.0	-0.40691	0.0	0.0	126.12	*
No7 E	Line 9	45.20000	28.40000	-2.50000	0.0	0.0	-0.40691	0.0	0.0	126.80	*
	2.6433	43.61667	30.51667	-2.50000	0.0	0.0	-0.34446	0.0	0.0	126.80	*
	5.2867	42.03333	32.63333	-2.50000	0.0	0.0	-0.26332	0.0	0.0	126.80	*
	7.9300	40.45000	34.75000	-2.50000	0.0	0.0	-0.18831	0.0	0.0	126.80	*
	10.573	38.86667	36.86667	-2.50000	0.0	0.0	-0.12949	0.0	0.0	126.80	*
	13.217	37.28333	38.98333	-2.50000	0.0	0.0	-0.087091	0.0	0.0	126.80	*
	15.860	35.70000	41.10000	-2.50000	0.0	0.0	-0.11552	0.0	0.0	126.80	*
No8 F	Line 10	35.70000	41.10000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
	1.0438	34.88333	40.45000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
	2.0875	34.06667	39.80000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
	3.1313	33.25000	39.15000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
	4.1751	32.43333	38.50000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	

Type/No.		Coordinates			Displacements					Angle of Line	
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis	
	5.2188	31.61667	37.85000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
	6.2626	30.80000	37.20000	-3.50000	0.0	0.0	0.0	0.0	0.0	218.52	
No9 A	Line 11	20.60000	29.40000	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	1.8118	21.71429	27.97143	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	3.6235	22.82857	26.54286	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	5.4353	23.94286	25.11429	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	7.2470	25.05714	23.68571	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	9.0588	26.17143	22.25714	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	10.871	27.28571	20.82857	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
	12.682	28.40000	19.40000	-3.50000	0.0	0.0	0.0	0.0	0.0	307.95	
No9 B	Line 12	28.40000	19.40000	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	1.0888	29.07143	18.54286	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	2.1776	29.74286	17.68571	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	3.2664	30.41429	16.82857	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	4.3552	31.08571	15.97143	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	5.4441	31.75714	15.11429	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	6.5329	32.42857	14.25714	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
	7.6217	33.10000	13.40000	-3.50000	0.0	0.0	0.0	0.0	0.0	308.07	
122A	Line 13	29.30000	10.20000	-3.50000	0.0	0.0	-0.16452	0.0	0.0	37.100	*
	2.1314	31.00000	11.48571	-3.50000	0.0	0.0	-0.24889	0.0	0.0	37.100	*
	4.2629	32.70000	12.77143	-3.50000	0.0	0.0	-0.38558	0.0	0.0	37.100	*
	6.3943	34.40000	14.05714	-3.50000	0.0	0.0	-0.61841	0.0	0.0	37.100	*
	8.5258	36.10000	15.34286	-3.50000	0.0	0.0	-1.0428	0.0	0.0	37.100	*
	10.657	37.80000	16.62857	-3.50000	0.0	0.0	-1.8750	0.0	0.0	37.100	*
	12.789	39.50000	17.91429	-3.50000	0.0	0.0	-3.1917	0.0	0.0	37.100	*
	14.920	41.20000	19.20000	-3.50000	0.0	0.0	-6.7078	0.0	0.0	37.100	*
122B	Line 14	41.20000	19.20000	-3.50000	0.0	0.0	-6.7078	0.0	0.0	308.50	*
	1.2494	41.97778	18.22222	-3.50000	0.0	0.0	-1.9764	0.0	0.0	308.50	*
	2.4988	42.75556	17.24444	-3.50000	0.0	0.0	-1.2729	0.0	0.0	308.50	*
	3.7482	43.53333	16.26667	-3.50000	0.0	0.0	-0.86891	0.0	0.0	308.50	*
	4.9976	44.31111	15.28889	-3.50000	0.0	0.0	-0.61876	0.0	0.0	308.50	*
	6.2470	45.08889	14.31111	-3.50000	0.0	0.0	-0.45422	0.0	0.0	308.50	*
	7.4964	45.86667	13.33333	-3.50000	0.0	0.0	-0.34088	0.0	0.0	308.50	*
	8.7458	46.64444	12.35556	-3.50000	0.0	0.0	-0.26004	0.0	0.0	308.50	*
	9.9952	47.42222	11.37778	-3.50000	0.0	0.0	-0.20083	0.0	0.0	308.50	*
	11.245	48.20000	10.40000	-3.50000	0.0	0.0	-0.15657	0.0	0.0	308.50	*
Grid 2	Grid 2	15.00000	0.00000	-3.50000	0.0	0.0	-0.0063082	-	-	-	*
		17.00000	0.00000	-3.50000	0.0	0.0	-0.0085587	-	-	-	*
		19.00000	0.00000	-3.50000	0.0	0.0	-0.011277	-	-	-	*
		21.00000	0.00000	-3.50000	0.0	0.0	-0.014494	-	-	-	*
		23.00000	0.00000	-3.50000	0.0	0.0	-0.018209	-	-	-	*
		25.00000	0.00000	-3.50000	0.0	0.0	-0.022373	-	-	-	*
		27.00000	0.00000	-3.50000	0.0	0.0	-0.026864	-	-	-	*
		29.00000	0.00000	-3.50000	0.0	0.0	-0.031483	-	-	-	*
		31.00000	0.00000	-3.50000	0.0	0.0	-0.035939	-	-	-	*
		33.00000	0.00000	-3.50000	0.0	0.0	-0.039875	-	-	-	*
		35.00000	0.00000	-3.50000	0.0	0.0	-0.042910	-	-	-	*
		37.00000	0.00000	-3.50000	0.0	0.0	-0.044707	-	-	-	*
		39.00000	0.00000	-3.50000	0.0	0.0	-0.045044	-	-	-	*
		41.00000	0.00000	-3.50000	0.0	0.0	-0.043875	-	-	-	*
		43.00000	0.00000	-3.50000	0.0	0.0	-0.041341	-	-	-	*
		45.00000	0.00000	-3.50000	0.0	0.0	-0.037734	-	-	-	*
		47.00000	0.00000	-3.50000	0.0	0.0	-0.033429	-	-	-	*
		49.00000	0.00000	-3.50000	0.0	0.0	-0.028807	-	-	-	*
		51.00000	0.00000	-3.50000	0.0	0.0	-0.024198	-	-	-	*
		53.00000	0.00000	-3.50000	0.0	0.0	-0.019848	-	-	-	*
		55.00000	0.00000	-3.50000	0.0	0.0	-0.015913	-	-	-	*
		15.00000	2.00000	-3.50000	0.0	0.0	-0.0083428	-	-	-	*
		17.00000	2.00000	-3.50000	0.0	0.0	-0.011293	-	-	-	*
		19.00000	2.00000	-3.50000	0.0	0.0	-0.014919	-	-	-	*
		21.00000	2.00000	-3.50000	0.0	0.0	-0.019292	-	-	-	*
		23.00000	2.00000	-3.50000	0.0	0.0	-0.024448	-	-	-	*
		25.00000	2.00000	-3.50000	0.0	0.0	-0.030353	-	-	-	*
		27.00000	2.00000	-3.50000	0.0	0.0	-0.036871	-	-	-	*
		29.00000	2.00000	-3.50000	0.0	0.0	-0.043727	-	-	-	*
		31.00000	2.00000	-3.50000	0.0	0.0	-0.050490	-	-	-	*
		33.00000	2.00000	-3.50000	0.0	0.0	-0.056587	-	-	-	*
		35.00000	2.00000	-3.50000	0.0	0.0	-0.061369	-	-	-	*
		37.00000	2.00000	-3.50000	0.0	0.0	-0.064235	-	-	-	*
		39.00000	2.00000	-3.50000	0.0	0.0	-0.064784	-	-	-	*
		41.00000	2.00000	-3.50000	0.0	0.0	-0.062927	-	-	-	*
		43.00000	2.00000	-3.50000	0.0	0.0	-0.058920	-	-	-	*
		45.00000	2.00000	-3.50000	0.0	0.0	-0.053289	-	-	-	*
		47.00000	2.00000	-3.50000	0.0	0.0	-0.046687	-	-	-	*
		49.00000	2.00000	-3.50000	0.0	0.0	-0.039749	-	-	-	*
		51.00000	2.00000	-3.50000	0.0	0.0	-0.032986	-	-	-	*
		53.00000	2.00000	-3.50000	0.0	0.0	-0.026751	-	-	-	*
		55.00000	2.00000	-3.50000	0.0	0.0	-0.021239	-	-	-	*
		15.00000	4.00000	-3.50000	0.0	0.0	-0.010715	-	-	-	*
		17.00000	4.00000	-3.50000	0.0	0.0	-0.014536	-	-	-	*
		19.00000	4.00000	-3.50000	0.0	0.0	-0.019322	-	-	-	*
		21.00000	4.00000	-3.50000	0.0	0.0	-0.025216	-	-	-	*
		23.00000	4.00000	-3.50000	0.0	0.0	-0.032327	-	-	-	*
		25.00000	4.00000	-3.50000	0.0	0.0	-0.040679	-	-	-	*
		27.00000	4.00000	-3.50000	0.0	0.0	-0.050145	-	-	-	*
		29.00000	4.00000	-3.50000	0.0	0.0	-0.060382	-	-	-	*
		31.00000	4.00000	-3.50000	0.0	0.0	-0.070760	-	-	-	*
		33.00000	4.00000	-3.50000	0.0	0.0	-0.080359	-	-	-	*
		35.00000	4.00000	-3.50000	0.0	0.0	-0.088056	-	-	-	*
		37.00000	4.00000	-3.50000	0.0	0.0	-0.092751	-	-	-	*
		39.00000	4.00000	-3.50000	0.0	0.0	-0.093673	-	-	-	*
		41.00000	4.00000	-3.50000	0.0	0.0	-0.090646	-	-	-	*
		43.00000	4.00000	-3.50000	0.0	0.0	-0.084159	-	-	-	*
		45.00000	4.00000	-3.50000	0.0	0.0	-0.075197	-	-	-	*
		47.00000	4.00000	-3.50000	0.0	0.0	-0.064933	-	-	-	*
		49.00000	4.00000	-3.50000	0.0	0.0	-0.054428	-	-	-	*
		51.00000	4.00000	-3.50000	0.0	0.0	-0.044473	-	-	-	*
		53.00000	4.00000	-3.50000	0.0	0.0	-0.035546	-	-	-	*
		55.00000	4.00000	-3.50000	0.0	0.0	-0.027861	-	-	-	*
		15.00000	6.00000	-3.50000	0.0	0.0	-0.013412	-	-	-	*
		17.00000	6.00000	-3.50000	0.0	0.0	-0.018292	-	-	-	*
		19.00000	6.00000	-3.50000	0.0	0.0	-0.024526	-	-	-	*
		21.00000	6.00000	-3.50000	0.0	0.0	-0.032382	-	-	-	*
		23.00000	6.00000	-3.50000	0.0	0.0	-0.042106	-	-	-	*
		25.00000	6.00000	-3.50000	0.0	0.0	-0.053856	-	-	-	*
		27.00000	6.00000	-3.50000	0.0	0.0	-0.067598	-	-	-	*
		29.00000	6.00000	-3.50000	0.0	0.0	-0.082961	-	-	-	*
		31.00000	6.00000	-3.50000	0.0	0.0	-0.099078	-	-	-	*
		33.00000	6.00000	-3.50000	0.0	0.0	-0.11449	-	-	-	*
		35.00000	6.00000	-3.50000	0.0	0.0	-0.12722	-	-	-	*
		37.00000	6.00000	-3.50000	0.0	0.0	-0.13517	-	-	-	*
		39.00000	6.00000	-3.50000	0.0	0.0	-0.13679	-	-	-	*
		41.00000	6.00000	-3.50000	0.0	0.0	-0.13169	-	-	-	*
		43.00000	6.00000	-3.50000	0.0	0.0	-0.12086	-	-	-	*
		45.00000	6.00000	-3.50000	0.0	0.0	-0.10625	-	-	-	*
		47.00000	6.00000	-3.50000	0.0	0.0	-0.090030	-	-	-	*
		49.00000	6.00000	-3.50000	0.0	0.0	-0.073985	-	-	-	*
		51.00000	6.00000	-3.50000	0.0	0.0	-0.059300	-	-	-	*
		53.00000	6.00000	-3.50000	0.0	0.0	-0.046562	-	-	-	*
		55.00000	6.00000	-3.50000	0.0	0.0	-0.035929	-	-	-	*
		15.00000	8.00000	-3.50000	0.0	0.0	-0.016385	-	-	-	*
		17.00000	8.00000	-3.50000	0.0	0.0	-0.022511	-	-	-	*
		19.00000	8.00000	-3.50000	0.0	0.0	-0.030504	-	-	-	*
		21.00000	8.00000	-3.50000	0.0	0.0	-0.040825	-	-	-	*
		23.00000	8.00000	-3.50000	0.0	0.0	-0.053962	-	-	-	*
		25.00000	8.00000	-3.50000	0.0	0.0	-0.070354	-	-	-	*
		27.00000	8.00000	-3.50000	0.0	0.0	-0.090234	-	-	-	*
		29.00000	8.00000	-3.50000	0.0	0.0	-0.11337	-	-	-	*
		31.00000	8.00000	-3.50000	0.0	0.0	-0.13872	-	-	-	*
		33.00000	8.00000	-3.50000	0.0	0.0	-0.16404	-	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line to x Axis	
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement		
		35.00000	8.00000	-3.50000	0.0	0.0	-0.18583	-	-	-	*
		37.00000	8.00000	-3.50000	0.0	0.0	-0.19991	-	-	-	*
		39.00000	8.00000	-3.50000	0.0	0.0	-0.20290	-	-	-	*
		41.00000	8.00000	-3.50000	0.0	0.0	-0.19391	-	-	-	*
		43.00000	8.00000	-3.50000	0.0	0.0	-0.17512	-	-	-	*
		45.00000	8.00000	-3.50000	0.0	0.0	-0.15059	-	-	-	*
		47.00000	8.00000	-3.50000	0.0	0.0	-0.12446	-	-	-	*
		49.00000	8.00000	-3.50000	0.0	0.0	-0.099752	-	-	-	*
		51.00000	8.00000	-3.50000	0.0	0.0	-0.078096	-	-	-	*
		53.00000	8.00000	-3.50000	0.0	0.0	-0.060045	-	-	-	*
		55.00000	8.00000	-3.50000	0.0	0.0	-0.045500	-	-	-	*
		15.00000	10.00000	-3.50000	0.0	0.0	-0.019541	-	-	-	*
		17.00000	10.00000	-3.50000	0.0	0.0	-0.027080	-	-	-	*
		19.00000	10.00000	-3.50000	0.0	0.0	-0.037128	-	-	-	*
		21.00000	10.00000	-3.50000	0.0	0.0	-0.050433	-	-	-	*
		23.00000	10.00000	-3.50000	0.0	0.0	-0.067886	-	-	-	*
		25.00000	10.00000	-3.50000	0.0	0.0	-0.090450	-	-	-	*
		27.00000	10.00000	-3.50000	0.0	0.0	-0.11898	-	-	-	*
		29.00000	10.00000	-3.50000	0.0	0.0	-0.15383	-	-	-	*
		31.00000	10.00000	-3.50000	0.0	0.0	-0.19415	-	-	-	*
		33.00000	10.00000	-3.50000	0.0	0.0	-0.23686	-	-	-	*
		35.00000	10.00000	-3.50000	0.0	0.0	-0.27583	-	-	-	*
		37.00000	10.00000	-3.50000	0.0	0.0	-0.30233	-	-	-	*
		39.00000	10.00000	-3.50000	0.0	0.0	-0.30831	-	-	-	*
		41.00000	10.00000	-3.50000	0.0	0.0	-0.29145	-	-	-	*
		43.00000	10.00000	-3.50000	0.0	0.0	-0.25703	-	-	-	*
		45.00000	10.00000	-3.50000	0.0	0.0	-0.21427	-	-	-	*
		47.00000	10.00000	-3.50000	0.0	0.0	-0.17133	-	-	-	*
		49.00000	10.00000	-3.50000	0.0	0.0	-0.13306	-	-	-	*
		51.00000	10.00000	-3.50000	0.0	0.0	-0.10128	-	-	-	*
		53.00000	10.00000	-3.50000	0.0	0.0	-0.076015	-	-	-	*
		55.00000	10.00000	-3.50000	0.0	0.0	-0.056448	-	-	-	*
		15.00000	12.00000	-3.50000	0.0	0.0	-0.022736	-	-	-	*
		17.00000	12.00000	-3.50000	0.0	0.0	-0.031795	-	-	-	*
		19.00000	12.00000	-3.50000	0.0	0.0	-0.044125	-	-	-	*
		21.00000	12.00000	-3.50000	0.0	0.0	-0.060873	-	-	-	*
		23.00000	12.00000	-3.50000	0.0	0.0	-0.083534	-	-	-	*
		25.00000	12.00000	-3.50000	0.0	0.0	-0.11397	-	-	-	*
		27.00000	12.00000	-3.50000	0.0	0.0	-0.15430	-	-	-	*
		29.00000	12.00000	-3.50000	0.0	0.0	-0.20646	-	-	-	*
		31.00000	12.00000	-3.50000	0.0	0.0	-0.27108	-	-	-	*
		33.00000	12.00000	-3.50000	0.0	0.0	-0.34516	-	-	-	*
		35.00000	12.00000	-3.50000	0.0	0.0	-0.41878	-	-	-	*
		37.00000	12.00000	-3.50000	0.0	0.0	-0.47307	-	-	-	*
		39.00000	12.00000	-3.50000	0.0	0.0	-0.48650	-	-	-	*
		41.00000	12.00000	-3.50000	0.0	0.0	-0.45179	-	-	-	*
		43.00000	12.00000	-3.50000	0.0	0.0	-0.38390	-	-	-	*
		45.00000	12.00000	-3.50000	0.0	0.0	-0.30592	-	-	-	*
		47.00000	12.00000	-3.50000	0.0	0.0	-0.23402	-	-	-	*
		49.00000	12.00000	-3.50000	0.0	0.0	-0.17476	-	-	-	*
		51.00000	12.00000	-3.50000	0.0	0.0	-0.12873	-	-	-	*
		53.00000	12.00000	-3.50000	0.0	0.0	-0.094068	-	-	-	*
		55.00000	12.00000	-3.50000	0.0	0.0	-0.068367	-	-	-	*
		15.00000	14.00000	-3.50000	0.0	0.0	-0.025775	-	-	-	*
		17.00000	14.00000	-3.50000	0.0	0.0	-0.036365	-	-	-	*
		19.00000	14.00000	-3.50000	0.0	0.0	-0.051063	-	-	-	*
		21.00000	14.00000	-3.50000	0.0	0.0	-0.071519	-	-	-	*
		23.00000	14.00000	-3.50000	0.0	0.0	-0.10006	-	-	-	*
		25.00000	14.00000	-3.50000	0.0	0.0	-0.13993	-	-	-	*
		27.00000	14.00000	-3.50000	0.0	0.0	-0.19550	-	-	-	*
		29.00000	14.00000	-3.50000	0.0	0.0	-0.27221	-	-	-	*
		31.00000	14.00000	-3.50000	0.0	0.0	-0.37551	-	-	-	*
		33.00000	14.00000	-3.50000	0.0	0.0	-0.50701	-	-	-	*
		35.00000	14.00000	-3.50000	0.0	0.0	-0.65524	-	-	-	*
		37.00000	14.00000	-3.50000	0.0	0.0	-0.78076	-	-	-	*
		39.00000	14.00000	-3.50000	0.0	0.0	-0.81671	-	-	-	*
		41.00000	14.00000	-3.50000	0.0	0.0	-0.73398	-	-	-	*
		43.00000	14.00000	-3.50000	0.0	0.0	-0.58586	-	-	-	*
		45.00000	14.00000	-3.50000	0.0	0.0	-0.43643	-	-	-	*
		47.00000	14.00000	-3.50000	0.0	0.0	-0.31469	-	-	-	*
		49.00000	14.00000	-3.50000	0.0	0.0	-0.22416	-	-	-	*
		51.00000	14.00000	-3.50000	0.0	0.0	-0.15921	-	-	-	*
		53.00000	14.00000	-3.50000	0.0	0.0	-0.11313	-	-	-	*
		55.00000	14.00000	-3.50000	0.0	0.0	-0.080474	-	-	-	*
		15.00000	16.00000	-3.50000	0.0	0.0	-0.028430	-	-	-	*
		17.00000	16.00000	-3.50000	0.0	0.0	-0.040424	-	-	-	*
		19.00000	16.00000	-3.50000	0.0	0.0	-0.057356	-	-	-	*
		21.00000	16.00000	-3.50000	0.0	0.0	-0.081436	-	-	-	*
		23.00000	16.00000	-3.50000	0.0	0.0	-0.11600	-	-	-	*
		25.00000	16.00000	-3.50000	0.0	0.0	-0.16612	-	-	-	*
		27.00000	16.00000	-3.50000	0.0	0.0	-0.23965	-	-	-	*
		29.00000	16.00000	-3.50000	0.0	0.0	-0.34856	-	-	-	*
		31.00000	16.00000	-3.50000	0.0	0.0	-0.51013	-	-	-	*
		33.00000	16.00000	-3.50000	0.0	0.0	-0.74477	-	-	-	*
		35.00000	16.00000	-3.50000	0.0	0.0	-1.0607	-	-	-	*
		37.00000	16.00000	-3.50000	0.0	0.0	-1.4007	-	-	-	*
		39.00000	16.00000	-3.50000	0.0	0.0	-1.5286	-	-	-	*
		41.00000	16.00000	-3.50000	0.0	0.0	-1.2774	-	-	-	*
		43.00000	16.00000	-3.50000	0.0	0.0	-0.91163	-	-	-	*
		45.00000	16.00000	-3.50000	0.0	0.0	-0.61396	-	-	-	*
		47.00000	16.00000	-3.50000	0.0	0.0	-0.41047	-	-	-	*
		49.00000	16.00000	-3.50000	0.0	0.0	-0.27727	-	-	-	*
		51.00000	16.00000	-3.50000	0.0	0.0	-0.18974	-	-	-	*
		53.00000	16.00000	-3.50000	0.0	0.0	-0.13129	-	-	-	*
		55.00000	16.00000	-3.50000	0.0	0.0	-0.091588	-	-	-	*
		15.00000	18.00000	-3.50000	0.0	0.0	-0.030463	-	-	-	*
		17.00000	18.00000	-3.50000	0.0	0.0	-0.043578	-	-	-	*
		19.00000	18.00000	-3.50000	0.0	0.0	-0.062333	-	-	-	*
		21.00000	18.00000	-3.50000	0.0	0.0	-0.089467	-	-	-	*
		23.00000	18.00000	-3.50000	0.0	0.0	-0.12931	-	-	-	*
		25.00000	18.00000	-3.50000	0.0	0.0	-0.18898	-	-	-	*
		27.00000	18.00000	-3.50000	0.0	0.0	-0.28064	-	-	-	*
		29.00000	18.00000	-3.50000	0.0	0.0	-0.42602	-	-	-	*
		31.00000	18.00000	-3.50000	0.0	0.0	-0.66528	-	-	-	*
		33.00000	18.00000	-3.50000	0.0	0.0	-1.0703	-	-	-	*
		35.00000	18.00000	-3.50000	0.0	0.0	-1.7471	-	-	-	*
		37.00000	18.00000	-3.50000	0.0	0.0	-2.7820	-	-	-	*
		39.00000	18.00000	-3.50000	0.0	0.0	-3.7070	-	-	-	*
		41.00000	18.00000	-3.50000	0.0	0.0	-2.3958	-	-	-	*
		43.00000	18.00000	-3.50000	0.0	0.0	-1.4100	-	-	-	*
		45.00000	18.00000	-3.50000	0.0	0.0	-0.82453	-	-	-	*
		47.00000	18.00000	-3.50000	0.0	0.0	-0.50628	-	-	-	*
		49.00000	18.00000	-3.50000	0.0	0.0	-0.32507	-	-	-	*
		51.00000	18.00000	-3.50000	0.0	0.0	-0.21544	-	-	-	*
		53.00000	18.00000	-3.50000	0.0	0.0	-0.14591	-	-	-	*
		55.00000	18.00000	-3.50000	0.0	0.0	-0.10027	-	-	-	*
		15.00000	20.00000	-3.50000	0.0	0.0	-0.031671	-	-	-	*
		17.00000	20.00000	-3.50000	0.0	0.0	-0.045470	-	-	-	*
		19.00000	20.00000	-3.50000	0.0	0.0	-0.065363	-	-	-	*
		21.00000	20.00000	-3.50000	0.0	0.0	-0.094450	-	-	-	*
		23.00000	20.00000	-3.50000	0.0	0.0	-0.13780	-	-	-	*
		25.00000	20.00000	-3.50000	0.0	0.0	-0.20411	-	-	-	*
		27.00000	20.00000	-3.50000	0.0	0.0	-0.30937	-	-	-	*
		29.00000	20.00000	-3.50000	0.0	0.0	-0.48555	-	-	-	*
		31.00000	20.00000	-3.50000	0.0	0.0	-0.80391	-	-	-	*
		33.00000	20.00000	-3.50000	0.0	0.0	-1.4388	-	-	-	*
		35.00000	20.00000	-3.50000	0.0	0.0	-2.7882	-	-	-	*
		37.00000	20.00000	-3.50000	0.0	0.0	-5.6806	-	-	-	*
		39.00000	20.00000	-3.50000	0.0	0.0	-6.4750	-	-	-	*
		41.00000	20.00000	-3.50000	0.0	0.0	-4.8648	-	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line to x Axis	
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement		
		43.00000	20.00000	-3.50000	0.0	0.0	-1.9707	-	-	-	*
		45.00000	20.00000	-3.50000	0.0	0.0	-0.98998	-	-	-	*
		47.00000	20.00000	-3.50000	0.0	0.0	-0.57026	-	-	-	*
		49.00000	20.00000	-3.50000	0.0	0.0	-0.35449	-	-	-	*
		51.00000	20.00000	-3.50000	0.0	0.0	-0.23057	-	-	-	*
		53.00000	20.00000	-3.50000	0.0	0.0	-0.15429	-	-	-	*
		55.00000	20.00000	-3.50000	0.0	0.0	-0.10516	-	-	-	*
		15.00000	22.00000	-3.50000	0.0	0.0	-0.031918	-	-	-	*
		17.00000	22.00000	-3.50000	0.0	0.0	-0.045865	-	-	-	*
		19.00000	22.00000	-3.50000	0.0	0.0	-0.066010	-	-	-	*
		21.00000	22.00000	-3.50000	0.0	0.0	-0.095546	-	-	-	*
		23.00000	22.00000	-3.50000	0.0	0.0	-0.13974	-	-	-	*
		25.00000	22.00000	-3.50000	0.0	0.0	-0.20777	-	-	-	*
		27.00000	22.00000	-3.50000	0.0	0.0	-0.31690	-	-	-	*
		29.00000	22.00000	-3.50000	0.0	0.0	-0.50322	-	-	-	*
		31.00000	22.00000	-3.50000	0.0	0.0	-0.85480	-	-	-	*
		33.00000	22.00000	-3.50000	0.0	0.0	-1.6411	-	-	-	*
		35.00000	22.00000	-3.50000	0.0	0.0	-4.2756	-	-	-	*
		37.00000	22.00000	-3.50000	0.0	0.0	-6.5197	-	-	-	*
		39.00000	22.00000	-3.50000	0.0	0.0	-6.7005	-	-	-	*
		41.00000	22.00000	-3.50000	0.0	0.0	-4.2875	-	-	-	*
		43.00000	22.00000	-3.50000	0.0	0.0	-1.9503	-	-	-	*
		45.00000	22.00000	-3.50000	0.0	0.0	-0.98528	-	-	-	*
		47.00000	22.00000	-3.50000	0.0	0.0	-0.57024	-	-	-	*
		49.00000	22.00000	-3.50000	0.0	0.0	-0.35505	-	-	-	*
		51.00000	22.00000	-3.50000	0.0	0.0	-0.23105	-	-	-	*
		53.00000	22.00000	-3.50000	0.0	0.0	-0.15464	-	-	-	*
		55.00000	22.00000	-3.50000	0.0	0.0	-0.10539	-	-	-	*
		15.00000	24.00000	-3.50000	0.0	0.0	-0.031175	-	-	-	*
		17.00000	24.00000	-3.50000	0.0	0.0	-0.044707	-	-	-	*
		19.00000	24.00000	-3.50000	0.0	0.0	-0.064167	-	-	-	*
		21.00000	24.00000	-3.50000	0.0	0.0	-0.092537	-	-	-	*
		23.00000	24.00000	-3.50000	0.0	0.0	-0.13466	-	-	-	*
		25.00000	24.00000	-3.50000	0.0	0.0	-0.19880	-	-	-	*
		27.00000	24.00000	-3.50000	0.0	0.0	-0.29999	-	-	-	*
		29.00000	24.00000	-3.50000	0.0	0.0	-0.46816	-	-	-	*
		31.00000	24.00000	-3.50000	0.0	0.0	-0.76995	-	-	-	*
		33.00000	24.00000	-3.50000	0.0	0.0	-1.3699	-	-	-	*
		35.00000	24.00000	-3.50000	0.0	0.0	-2.5896	-	-	-	*
		37.00000	24.00000	-3.50000	0.0	0.0	-4.5089	-	-	-	*
		39.00000	24.00000	-3.50000	0.0	0.0	-4.7515	-	-	-	*
		41.00000	24.00000	-3.50000	0.0	0.0	-2.2694	-	-	-	*
		43.00000	24.00000	-3.50000	0.0	0.0	-1.3802	-	-	-	*
		45.00000	24.00000	-3.50000	0.0	0.0	-0.82094	-	-	-	*
		47.00000	24.00000	-3.50000	0.0	0.0	-0.50783	-	-	-	*
		49.00000	24.00000	-3.50000	0.0	0.0	-0.32698	-	-	-	*
		51.00000	24.00000	-3.50000	0.0	0.0	-0.21691	-	-	-	*
		53.00000	24.00000	-3.50000	0.0	0.0	-0.14693	-	-	-	*
		55.00000	24.00000	-3.50000	0.0	0.0	-0.10096	-	-	-	*
		15.00000	26.00000	-3.50000	0.0	0.0	-0.029522	-	-	-	*
		17.00000	26.00000	-3.50000	0.0	0.0	-0.042135	-	-	-	*
		19.00000	26.00000	-3.50000	0.0	0.0	-0.060089	-	-	-	*
		21.00000	26.00000	-3.50000	0.0	0.0	-0.085913	-	-	-	*
		23.00000	26.00000	-3.50000	0.0	0.0	-0.12356	-	-	-	*
		25.00000	26.00000	-3.50000	0.0	0.0	-0.17938	-	-	-	*
		27.00000	26.00000	-3.50000	0.0	0.0	-0.26404	-	-	-	*
		29.00000	26.00000	-3.50000	0.0	0.0	-0.39594	-	-	-	*
		31.00000	26.00000	-3.50000	0.0	0.0	-0.60702	-	-	-	*
		33.00000	26.00000	-3.50000	0.0	0.0	-0.94480	-	-	-	*
		35.00000	26.00000	-3.50000	0.0	0.0	-1.4301	-	-	-	*
		37.00000	26.00000	-3.50000	0.0	0.0	-1.8979	-	-	-	*
		39.00000	26.00000	-3.50000	0.0	0.0	-1.4561	-	-	-	*
		41.00000	26.00000	-3.50000	0.0	0.0	-1.2919	-	-	-	*
		43.00000	26.00000	-3.50000	0.0	0.0	-0.91816	-	-	-	*
		45.00000	26.00000	-3.50000	0.0	0.0	-0.61983	-	-	-	*
		47.00000	26.00000	-3.50000	0.0	0.0	-0.41532	-	-	-	*
		49.00000	26.00000	-3.50000	0.0	0.0	-0.28080	-	-	-	*
		51.00000	26.00000	-3.50000	0.0	0.0	-0.19216	-	-	-	*
		53.00000	26.00000	-3.50000	0.0	0.0	-0.13291	-	-	-	*
		55.00000	26.00000	-3.50000	0.0	0.0	-0.092672	-	-	-	*
		15.00000	28.00000	-3.50000	0.0	0.0	-0.027130	-	-	-	*
		17.00000	28.00000	-3.50000	0.0	0.0	-0.038451	-	-	-	*
		19.00000	28.00000	-3.50000	0.0	0.0	-0.054323	-	-	-	*
		21.00000	28.00000	-3.50000	0.0	0.0	-0.076706	-	-	-	*
		23.00000	28.00000	-3.50000	0.0	0.0	-0.10848	-	-	-	*
		25.00000	28.00000	-3.50000	0.0	0.0	-0.15391	-	-	-	*
		27.00000	28.00000	-3.50000	0.0	0.0	-0.21924	-	-	-	*
		29.00000	28.00000	-3.50000	0.0	0.0	-0.31325	-	-	-	*
		31.00000	28.00000	-3.50000	0.0	0.0	-0.44634	-	-	-	*
		33.00000	28.00000	-3.50000	0.0	0.0	-0.62352	-	-	-	*
		35.00000	28.00000	-3.50000	0.0	0.0	-0.82236	-	-	-	*
		37.00000	28.00000	-3.50000	0.0	0.0	-0.95901	-	-	-	*
		39.00000	28.00000	-3.50000	0.0	0.0	-0.92569	-	-	-	*
		41.00000	28.00000	-3.50000	0.0	0.0	-0.78034	-	-	-	*
		43.00000	28.00000	-3.50000	0.0	0.0	-0.60807	-	-	-	*
		45.00000	28.00000	-3.50000	0.0	0.0	-0.44877	-	-	-	*
		47.00000	28.00000	-3.50000	0.0	0.0	-0.32226	-	-	-	*
		49.00000	28.00000	-3.50000	0.0	0.0	-0.22901	-	-	-	*
		51.00000	28.00000	-3.50000	0.0	0.0	-0.16238	-	-	-	*
		53.00000	28.00000	-3.50000	0.0	0.0	-0.11522	-	-	-	*
		55.00000	28.00000	-3.50000	0.0	0.0	-0.081862	-	-	-	*
		15.00000	30.00000	-3.50000	0.0	0.0	-0.024227	-	-	-	*
		17.00000	30.00000	-3.50000	0.0	0.0	-0.034045	-	-	-	*
		19.00000	30.00000	-3.50000	0.0	0.0	-0.047553	-	-	-	*
		21.00000	30.00000	-3.50000	0.0	0.0	-0.066149	-	-	-	*
		23.00000	30.00000	-3.50000	0.0	0.0	-0.091737	-	-	-	*
		25.00000	30.00000	-3.50000	0.0	0.0	-0.12683	-	-	-	*
		27.00000	30.00000	-3.50000	0.0	0.0	-0.17454	-	-	-	*
		29.00000	30.00000	-3.50000	0.0	0.0	-0.23806	-	-	-	*
		31.00000	30.00000	-3.50000	0.0	0.0	-0.31897	-	-	-	*
		33.00000	30.00000	-3.50000	0.0	0.0	-0.41288	-	-	-	*
		35.00000	30.00000	-3.50000	0.0	0.0	-0.50281	-	-	-	*
		37.00000	30.00000	-3.50000	0.0	0.0	-0.55737	-	-	-	*
		39.00000	30.00000	-3.50000	0.0	0.0	-0.55077	-	-	-	*
		41.00000	30.00000	-3.50000	0.0	0.0	-0.49161	-	-	-	*
		43.00000	30.00000	-3.50000	0.0	0.0	-0.40718	-	-	-	*
		45.00000	30.00000	-3.50000	0.0	0.0	-0.31979	-	-	-	*
		47.00000	30.00000	-3.50000	0.0	0.0	-0.24259	-	-	-	*
		49.00000	30.00000	-3.50000	0.0	0.0	-0.18023	-	-	-	*
		51.00000	30.00000	-3.50000	0.0	0.0	-0.13230	-	-	-	*
		53.00000	30.00000	-3.50000	0.0	0.0	-0.096425	-	-	-	*
		55.00000	30.00000	-3.50000	0.0	0.0	-0.069942	-	-	-	*
		15.00000	32.00000	-3.50000	0.0	0.0	-0.021056	-	-	-	*
		17.00000	32.00000	-3.50000	0.0	0.0	-0.029315	-	-	-	*
		19.00000	32.00000	-3.50000	0.0	0.0	-0.040440	-	-	-	*
		21.00000	32.00000	-3.50000	0.0	0.0	-0.055360	-	-	-	*
		23.00000	32.00000	-3.50000	0.0	0.0	-0.075224	-	-	-	*
		25.00000	32.00000	-3.50000	0.0	0.0	-0.10135	-	-	-	*
		27.00000	32.00000	-3.50000	0.0	0.0	-0.13502	-	-	-	*
		29.00000	32.00000	-3.50000	0.0	0.0	-0.17691	-	-	-	*
		31.00000	32.00000	-3.50000	0.0	0.0	-0.22596	-	-	-	*
		33.00000	32.00000	-3.50000	0.0	0.0	-0.27768	-	-	-	*
		35.00000	32.00000	-3.50000	0.0	0.0	-0.32274	-	-	-	*
		37.00000	32.00000	-3.50000	0.0	0.0	-0.34875	-	-	-	*
		39.00000	32.00000	-3.50000	0.0	0.0	-0.34719	-	-	-	*
		41.00000	32.00000	-3.50000	0.0	0.0	-0.31979	-	-	-	*
		43.00000	32.00000	-3.50000	0.0	0.0	-0.27613	-	-	-	*
		45.00000	32.00000	-3.50000	0.0	0.0	-0.22677	-	-	-	*
		47.00000	32.00000	-3.50000	0.0	0.0	-0.17951	-	-	-	*
		49.00000	32.00000	-3.50000	0.0	0.0	-0.13846	-	-	-	*

Type/No.		Coordinates			Displacements					Angle of Line to x Axis	
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement		
		51.00000	32.00000	-3.50000	0.0	0.0	-0.10488	-	-	-	*
		53.00000	32.00000	-3.50000	0.0	0.0	-0.078433	-	-	-	*
		55.00000	32.00000	-3.50000	0.0	0.0	-0.058086	-	-	-	*
		15.00000	34.00000	-3.50000	0.0	0.0	-0.017835	-	-	-	*
		17.00000	34.00000	-3.50000	0.0	0.0	-0.024601	-	-	-	*
		19.00000	34.00000	-3.50000	0.0	0.0	-0.033517	-	-	-	*
		21.00000	34.00000	-3.50000	0.0	0.0	-0.045159	-	-	-	*
		23.00000	34.00000	-3.50000	0.0	0.0	-0.060165	-	-	-	*
		25.00000	34.00000	-3.50000	0.0	0.0	-0.079139	-	-	-	*
		27.00000	34.00000	-3.50000	0.0	0.0	-0.10245	-	-	-	*
		29.00000	34.00000	-3.50000	0.0	0.0	-0.12986	-	-	-	*
		31.00000	34.00000	-3.50000	0.0	0.0	-0.15996	-	-	-	*
		33.00000	34.00000	-3.50000	0.0	0.0	-0.18965	-	-	-	*
		35.00000	34.00000	-3.50000	0.0	0.0	-0.21405	-	-	-	*
		37.00000	34.00000	-3.50000	0.0	0.0	-0.22777	-	-	-	*
		39.00000	34.00000	-3.50000	0.0	0.0	-0.22740	-	-	-	*
		41.00000	34.00000	-3.50000	0.0	0.0	-0.21339	-	-	-	*
		43.00000	34.00000	-3.50000	0.0	0.0	-0.18951	-	-	-	*
		45.00000	34.00000	-3.50000	0.0	0.0	-0.16078	-	-	-	*
		47.00000	34.00000	-3.50000	0.0	0.0	-0.13153	-	-	-	*
		49.00000	34.00000	-3.50000	0.0	0.0	-0.10462	-	-	-	*
		51.00000	34.00000	-3.50000	0.0	0.0	-0.081444	-	-	-	*
		53.00000	34.00000	-3.50000	0.0	0.0	-0.062352	-	-	-	*
		55.00000	34.00000	-3.50000	0.0	0.0	-0.047094	-	-	-	*
		15.00000	36.00000	-3.50000	0.0	0.0	-0.014738	-	-	-	*
		17.00000	36.00000	-3.50000	0.0	0.0	-0.020159	-	-	-	*
		19.00000	36.00000	-3.50000	0.0	0.0	-0.027147	-	-	-	*
		21.00000	36.00000	-3.50000	0.0	0.0	-0.036037	-	-	-	*
		23.00000	36.00000	-3.50000	0.0	0.0	-0.047151	-	-	-	*
		25.00000	36.00000	-3.50000	0.0	0.0	-0.060711	-	-	-	*
		27.00000	36.00000	-3.50000	0.0	0.0	-0.076701	-	-	-	*
		29.00000	36.00000	-3.50000	0.0	0.0	-0.094659	-	-	-	*
		31.00000	36.00000	-3.50000	0.0	0.0	-0.11344	-	-	-	*
		33.00000	36.00000	-3.50000	0.0	0.0	-0.13111	-	-	-	*
		35.00000	36.00000	-3.50000	0.0	0.0	-0.14508	-	-	-	*
		37.00000	36.00000	-3.50000	0.0	0.0	-0.15282	-	-	-	*
		39.00000	36.00000	-3.50000	0.0	0.0	-0.15277	-	-	-	*
		41.00000	36.00000	-3.50000	0.0	0.0	-0.14506	-	-	-	*
		43.00000	36.00000	-3.50000	0.0	0.0	-0.13137	-	-	-	*
		45.00000	36.00000	-3.50000	0.0	0.0	-0.11416	-	-	-	*
		47.00000	36.00000	-3.50000	0.0	0.0	-0.095800	-	-	-	*
		49.00000	36.00000	-3.50000	0.0	0.0	-0.078128	-	-	-	*
		51.00000	36.00000	-3.50000	0.0	0.0	-0.062246	-	-	-	*
		53.00000	36.00000	-3.50000	0.0	0.0	-0.048648	-	-	-	*
		55.00000	36.00000	-3.50000	0.0	0.0	-0.037402	-	-	-	*
		15.00000	38.00000	-3.50000	0.0	0.0	-0.011884	-	-	-	*
		17.00000	38.00000	-3.50000	0.0	0.0	-0.016148	-	-	-	*
		19.00000	38.00000	-3.50000	0.0	0.0	-0.021528	-	-	-	*
		21.00000	38.00000	-3.50000	0.0	0.0	-0.028206	-	-	-	*
		23.00000	38.00000	-3.50000	0.0	0.0	-0.036324	-	-	-	*
		25.00000	38.00000	-3.50000	0.0	0.0	-0.045922	-	-	-	*
		27.00000	38.00000	-3.50000	0.0	0.0	-0.056852	-	-	-	*
		29.00000	38.00000	-3.50000	0.0	0.0	-0.068681	-	-	-	*
		31.00000	38.00000	-3.50000	0.0	0.0	-0.080601	-	-	-	*
		33.00000	38.00000	-3.50000	0.0	0.0	-0.091431	-	-	-	*
		35.00000	38.00000	-3.50000	0.0	0.0	-0.099769	-	-	-	*
		37.00000	38.00000	-3.50000	0.0	0.0	-0.10433	-	-	-	*
		39.00000	38.00000	-3.50000	0.0	0.0	-0.10436	-	-	-	*
		41.00000	38.00000	-3.50000	0.0	0.0	-0.099904	-	-	-	*
		43.00000	38.00000	-3.50000	0.0	0.0	-0.091752	-	-	-	*
		45.00000	38.00000	-3.50000	0.0	0.0	-0.081165	-	-	-	*
		47.00000	38.00000	-3.50000	0.0	0.0	-0.069477	-	-	-	*
		49.00000	38.00000	-3.50000	0.0	0.0	-0.057814	-	-	-	*
		51.00000	38.00000	-3.50000	0.0	0.0	-0.046959	-	-	-	*
		53.00000	38.00000	-3.50000	0.0	0.0	-0.037354	-	-	-	*
		55.00000	38.00000	-3.50000	0.0	0.0	-0.029167	-	-	-	*
		15.00000	40.00000	-3.50000	0.0	0.0	-0.0093450	-	-	-	*
		17.00000	40.00000	-3.50000	0.0	0.0	-0.012646	-	-	-	*
		19.00000	40.00000	-3.50000	0.0	0.0	-0.016728	-	-	-	*
		21.00000	40.00000	-3.50000	0.0	0.0	-0.021683	-	-	-	*
		23.00000	40.00000	-3.50000	0.0	0.0	-0.027556	-	-	-	*
		25.00000	40.00000	-3.50000	0.0	0.0	-0.034312	-	-	-	*
		27.00000	40.00000	-3.50000	0.0	0.0	-0.041785	-	-	-	*
		29.00000	40.00000	-3.50000	0.0	0.0	-0.049632	-	-	-	*
		31.00000	40.00000	-3.50000	0.0	0.0	-0.057312	-	-	-	*
		33.00000	40.00000	-3.50000	0.0	0.0	-0.064111	-	-	-	*
		35.00000	40.00000	-3.50000	0.0	0.0	-0.069244	-	-	-	*
		37.00000	40.00000	-3.50000	0.0	0.0	-0.072031	-	-	-	*
		39.00000	40.00000	-3.50000	0.0	0.0	-0.072077	-	-	-	*
		41.00000	40.00000	-3.50000	0.0	0.0	-0.069394	-	-	-	*
		43.00000	40.00000	-3.50000	0.0	0.0	-0.064389	-	-	-	*
		45.00000	40.00000	-3.50000	0.0	0.0	-0.057736	-	-	-	*
		47.00000	40.00000	-3.50000	0.0	0.0	-0.050191	-	-	-	*
		49.00000	40.00000	-3.50000	0.0	0.0	-0.042444	-	-	-	*
		51.00000	40.00000	-3.50000	0.0	0.0	-0.035023	-	-	-	*
		53.00000	40.00000	-3.50000	0.0	0.0	-0.028270	-	-	-	*
		55.00000	40.00000	-3.50000	0.0	0.0	-0.022361	-	-	-	*
		15.00000	42.00000	-3.50000	0.0	0.0	-0.0071472	-	-	-	*
		17.00000	42.00000	-3.50000	0.0	0.0	-0.0096702	-	-	-	*
		19.00000	42.00000	-3.50000	0.0	0.0	-0.012733	-	-	-	*
		21.00000	42.00000	-3.50000	0.0	0.0	-0.016374	-	-	-	*
		23.00000	42.00000	-3.50000	0.0	0.0	-0.020595	-	-	-	*
		25.00000	42.00000	-3.50000	0.0	0.0	-0.025338	-	-	-	*
		27.00000	42.00000	-3.50000	0.0	0.0	-0.030455	-	-	-	*
		29.00000	42.00000	-3.50000	0.0	0.0	-0.035699	-	-	-	*
		31.00000	42.00000	-3.50000	0.0	0.0	-0.040714	-	-	-	*
		33.00000	42.00000	-3.50000	0.0	0.0	-0.045066	-	-	-	*
		35.00000	42.00000	-3.50000	0.0	0.0	-0.048304	-	-	-	*
		37.00000	42.00000	-3.50000	0.0	0.0	-0.050050	-	-	-	*
		39.00000	42.00000	-3.50000	0.0	0.0	-0.050091	-	-	-	*
		41.00000	42.00000	-3.50000	0.0	0.0	-0.048429	-	-	-	*
		43.00000	42.00000	-3.50000	0.0	0.0	-0.045283	-	-	-	*
		45.00000	42.00000	-3.50000	0.0	0.0	-0.041024	-	-	-	*
		47.00000	42.00000	-3.50000	0.0	0.0	-0.036093	-	-	-	*
		49.00000	42.00000	-3.50000	0.0	0.0	-0.030912	-	-	-	*
		51.00000	42.00000	-3.50000	0.0	0.0	-0.025830	-	-	-	*
		53.00000	42.00000	-3.50000	0.0	0.0	-0.021093	-	-	-	*
		55.00000	42.00000	-3.50000	0.0	0.0	-0.016852	-	-	-	*
		15.00000	44.00000	-3.50000	0.0	0.0	-0.0052891	-	-	-	*
		17.00000	44.00000	-3.50000	0.0	0.0	-0.0071961	-	-	-	*
		19.00000	44.00000	-3.50000	0.0	0.0	-0.0094721	-	-	-	*
		21.00000	44.00000	-3.50000	0.0	0.0	-0.012129	-	-	-	*
		23.00000	44.00000	-3.50000	0.0	0.0	-0.015150	-	-	-	*
		25.00000	44.00000	-3.50000	0.0	0.0	-0.018474	-	-	-	*
		27.00000	44.00000	-3.50000	0.0	0.0	-0.021989	-	-	-	*
		29.00000	44.00000	-3.50000	0.0	0.0	-0.025518	-	-	-	*
		31.00000	44.00000	-3.50000	0.0	0.0	-0.028830	-	-	-	*
		33.00000	44.00000	-3.50000	0.0	0.0	-0.031660	-	-	-	*
		35.00000	44.00000	-3.50000	0.0	0.0	-0.033741	-	-	-	*
		37.00000	44.00000	-3.50000	0.0	0.0	-0.034858	-	-	-	*
		39.00000	44.00000	-3.50000	0.0	0.0	-0.034890	-	-	-	*
		41.00000	44.00000	-3.50000	0.0	0.0	-0.033837	-	-	-	*
		43.00000	44.00000	-3.50000	0.0	0.0	-0.031821	-	-	-	*
		45.00000	44.00000	-3.50000	0.0	0.0	-0.029053	-	-	-	*
		47.00000	44.00000	-3.50000	0.0	0.0	-0.025795	-	-	-	*
		49.00000	44.00000	-3.50000	0.0	0.0	-0.022307	-	-	-	*
		51.00000	44.00000	-3.50000	0.0	0.0	-0.018817	-	-	-	*
		53.00000	44.00000	-3.50000	0.0	0.0	-0.015498	-	-	-	*
		55.00000	44.00000	-3.50000	0.0	0.0	-0.012467	-	-	-	*
		15.00000	46.00000	-3.50000	0.0	0.0	-0.0037491	-	-	-	*

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis	
		17.00000	46.00000	-3.50000	0.0	0.0	-0.0051766	-	-	-	*
		19.00000	46.00000	-3.50000	0.0	0.0	-0.0068549	-	-	-	*
		21.00000	46.00000	-3.50000	0.0	0.0	-0.0087827	-	-	-	*
		23.00000	46.00000	-3.50000	0.0	0.0	-0.010937	-	-	-	*
		25.00000	46.00000	-3.50000	0.0	0.0	-0.013267	-	-	-	*
		27.00000	46.00000	-3.50000	0.0	0.0	-0.015687	-	-	-	*
		29.00000	46.00000	-3.50000	0.0	0.0	-0.018077	-	-	-	*
		31.00000	46.00000	-3.50000	0.0	0.0	-0.020287	-	-	-	*
		33.00000	46.00000	-3.50000	0.0	0.0	-0.022151	-	-	-	*
		35.00000	46.00000	-3.50000	0.0	0.0	-0.023509	-	-	-	*
		37.00000	46.00000	-3.50000	0.0	0.0	-0.024235	-	-	-	*
		39.00000	46.00000	-3.50000	0.0	0.0	-0.024259	-	-	-	*
		41.00000	46.00000	-3.50000	0.0	0.0	-0.023579	-	-	-	*
		43.00000	46.00000	-3.50000	0.0	0.0	-0.022267	-	-	-	*
		45.00000	46.00000	-3.50000	0.0	0.0	-0.020445	-	-	-	*
		47.00000	46.00000	-3.50000	0.0	0.0	-0.018272	-	-	-	*
		49.00000	46.00000	-3.50000	0.0	0.0	-0.015910	-	-	-	*
		51.00000	46.00000	-3.50000	0.0	0.0	-0.013506	-	-	-	*
		53.00000	46.00000	-3.50000	0.0	0.0	-0.011181	-	-	-	*
		55.00000	46.00000	-3.50000	0.0	0.0	-0.0090216	-	-	-	*
		15.00000	48.00000	-3.50000	0.0	0.0	-0.0024947	-	-	-	*
		17.00000	48.00000	-3.50000	0.0	0.0	-0.0035539	-	-	-	*
		19.00000	48.00000	-3.50000	0.0	0.0	-0.0047829	-	-	-	*
		21.00000	48.00000	-3.50000	0.0	0.0	-0.0061746	-	-	-	*
		23.00000	48.00000	-3.50000	0.0	0.0	-0.0077072	-	-	-	*
		25.00000	48.00000	-3.50000	0.0	0.0	-0.0093398	-	-	-	*
		27.00000	48.00000	-3.50000	0.0	0.0	-0.011011	-	-	-	*
		29.00000	48.00000	-3.50000	0.0	0.0	-0.012638	-	-	-	*
		31.00000	48.00000	-3.50000	0.0	0.0	-0.014124	-	-	-	*
		33.00000	48.00000	-3.50000	0.0	0.0	-0.015365	-	-	-	*
		35.00000	48.00000	-3.50000	0.0	0.0	-0.016262	-	-	-	*
		37.00000	48.00000	-3.50000	0.0	0.0	-0.016741	-	-	-	*
		39.00000	48.00000	-3.50000	0.0	0.0	-0.016758	-	-	-	*
		41.00000	48.00000	-3.50000	0.0	0.0	-0.016313	-	-	-	*
		43.00000	48.00000	-3.50000	0.0	0.0	-0.015448	-	-	-	*
		45.00000	48.00000	-3.50000	0.0	0.0	-0.014236	-	-	-	*
		47.00000	48.00000	-3.50000	0.0	0.0	-0.012775	-	-	-	*
		49.00000	48.00000	-3.50000	0.0	0.0	-0.011166	-	-	-	*
		51.00000	48.00000	-3.50000	0.0	0.0	-0.0095070	-	-	-	*
		53.00000	48.00000	-3.50000	0.0	0.0	-0.0078785	-	-	-	*
		55.00000	48.00000	-3.50000	0.0	0.0	-0.0063431	-	-	-	*
		15.00000	50.00000	-3.50000	0.0	0.0	-0.0014888	-	-	-	*
		17.00000	50.00000	-3.50000	0.0	0.0	-0.0022681	-	-	-	*
		19.00000	50.00000	-3.50000	0.0	0.0	-0.0031620	-	-	-	*
		21.00000	50.00000	-3.50000	0.0	0.0	-0.0041621	-	-	-	*
		23.00000	50.00000	-3.50000	0.0	0.0	-0.0052495	-	-	-	*
		25.00000	50.00000	-3.50000	0.0	0.0	-0.0063932	-	-	-	*
		27.00000	50.00000	-3.50000	0.0	0.0	-0.0075494	-	-	-	*
		29.00000	50.00000	-3.50000	0.0	0.0	-0.0086624	-	-	-	*
		31.00000	50.00000	-3.50000	0.0	0.0	-0.0096683	-	-	-	*
		33.00000	50.00000	-3.50000	0.0	0.0	-0.010501	-	-	-	*
		35.00000	50.00000	-3.50000	0.0	0.0	-0.011100	-	-	-	*
		37.00000	50.00000	-3.50000	0.0	0.0	-0.011418	-	-	-	*
		39.00000	50.00000	-3.50000	0.0	0.0	-0.011430	-	-	-	*
		41.00000	50.00000	-3.50000	0.0	0.0	-0.011135	-	-	-	*
		43.00000	50.00000	-3.50000	0.0	0.0	-0.010559	-	-	-	*
		45.00000	50.00000	-3.50000	0.0	0.0	-0.0097469	-	-	-	*
		47.00000	50.00000	-3.50000	0.0	0.0	-0.0087581	-	-	-	*
		49.00000	50.00000	-3.50000	0.0	0.0	-0.0076580	-	-	-	*
		51.00000	50.00000	-3.50000	0.0	0.0	-0.0065099	-	-	-	*
		53.00000	50.00000	-3.50000	0.0	0.0	-0.0053694	-	-	-	*
		55.00000	50.00000	-3.50000	0.0	0.0	-0.0042805	-	-	-	*
No8 A	Line 15	25.70000	33.20000	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	1.0600	24.85000	32.56667	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	2.1200	24.00000	31.93333	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	3.1800	23.15000	31.30000	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	4.2400	22.30000	30.66667	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	5.3000	21.45000	30.03333	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	
	6.3600	20.60000	29.40000	-3.50000	0.0	0.0	0.0	0.0	0.0	216.69	

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Structure: No 6 Denmark Street | Sub-structure: No6 A

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	30.80000	37.20000	-2.50000	0.0	0.0	0.0	0.0	d
1.9328	31.98750	35.67500	-2.50000	0.0	0.0	0.0	0.0	d
3.8656	33.17500	34.15000	-2.50000	0.0	0.0	0.0	0.0	d
5.7985	34.36250	32.62500	-2.50000	0.0	0.0	0.0	0.0	d
7.7313	35.55000	31.10000	-2.50000	0.0	0.0	0.0	0.0	d
9.6641	36.73750	29.57500	-2.50000	0.40371	-0.59109	0.71441	-0.044629	d
11.597	37.92500	28.05000	-2.50000	1.0488	-1.6366	1.9357	-0.17799	d
13.530	39.11250	26.52500	-2.50000	0.065911	-1.9708	1.5955	-1.1589	d
15.463	40.30000	25.00000	-2.50000	-3.2247	-2.5798	0.054223	-4.1293	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 C

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	43.10000	21.10000	-0.70000	-0.45557	-0.36446	-0.58314	-0.018223	d
1.5000	44.30000	22.00000	-0.70000	-0.14354	-0.11138	-0.18166	-0.0029782	d
3.0000	45.50000	22.90000	-0.70000	0.0	0.0	0.0	0.0	d
4.5000	46.70000	23.80000	-0.70000	0.0	0.0	0.0	0.0	d
6.0000	47.90000	24.70000	-0.70000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 D

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	47.90000	24.70000	-0.70000	0.0	0.0	0.0	0.0	d
0.57255	47.56250	25.16250	-0.70000	0.0	0.0	0.0	0.0	d
1.1451	47.22500	25.62500	-0.70000	0.0	0.0	0.0	0.0	d
1.7176	46.88750	26.08750	-0.70000	0.0	0.0	0.0	0.0	d
2.2902	46.55000	26.55000	-0.70000	0.0	0.0	0.0	0.0	d
2.8627	46.21250	27.01250	-0.70000	0.0	0.0	0.0	0.0	d
3.4353	45.87500	27.47500	-0.70000	0.0	0.0	0.0	0.0	d
4.0078	45.53750	27.93750	-0.70000	0.0	0.0	0.0	0.0	d
4.5804	45.20000	28.40000	-0.70000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

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

Structure: No 6 Denmark Street | Sub-structure: No6 E

0.0	45.20000	28.40000	-2.50000	0.0	0.0	0.0	0.0	d
2.6433	43.61667	30.51667	-2.50000	0.0	0.0	0.0	0.0	d
5.2867	42.03333	32.63333	-2.50000	0.0	0.0	0.0	0.0	d
7.9300	40.45000	34.75000	-2.50000	0.0	0.0	0.0	0.0	d
10.573	38.86667	36.86667	-2.50000	0.0	0.0	0.0	0.0	d
13.217	37.28333	38.98333	-2.50000	0.0	0.0	0.0	0.0	d
15.860	35.70000	41.10000	-2.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 F

0.0	35.70000	41.10000	-3.50000	0.0	0.0	0.0	0.0	
1.0438	34.88333	40.45000	-3.50000	0.0	0.0	0.0	0.0	
2.0875	34.06667	39.80000	-3.50000	0.0	0.0	0.0	0.0	
3.1313	33.25000	39.15000	-3.50000	0.0	0.0	0.0	0.0	
4.1751	32.43333	38.50000	-3.50000	0.0	0.0	0.0	0.0	
5.2188	31.61667	37.85000	-3.50000	0.0	0.0	0.0	0.0	
6.2626	30.80000	37.20000	-3.50000	0.0	0.0	0.0	0.0	

Structure: No 9 Denmark Street | Sub-structure: No9 A

0.0	20.60000	29.40000	-3.50000	0.0	0.0	0.0	0.0	
1.8118	21.71429	27.97143	-3.50000	0.0	0.0	0.0	0.0	
3.6235	22.82857	26.54286	-3.50000	0.0	0.0	0.0	0.0	
5.4353	23.94286	25.11429	-3.50000	0.0	0.0	0.0	0.0	
7.2470	25.05714	23.68571	-3.50000	0.0	0.0	0.0	0.0	
9.0588	26.17143	22.25714	-3.50000	0.0	0.0	0.0	0.0	
10.871	27.28571	20.82857	-3.50000	0.0	0.0	0.0	0.0	
12.682	28.40000	19.40000	-3.50000	0.0	0.0	0.0	0.0	

Structure: No 9 Denmark Street | Sub-structure: No9 B

0.0	28.40000	19.40000	-3.50000	0.0	0.0	0.0	0.0	
1.0888	29.07143	18.54286	-3.50000	0.0	0.0	0.0	0.0	
2.1776	29.74286	17.68571	-3.50000	0.0	0.0	0.0	0.0	
3.2664	30.41429	16.82857	-3.50000	0.0	0.0	0.0	0.0	
4.3552	31.08571	15.97143	-3.50000	0.0	0.0	0.0	0.0	
5.4441	31.75714	15.11429	-3.50000	0.0	0.0	0.0	0.0	
6.5329	32.42857	14.25714	-3.50000	0.0	0.0	0.0	0.0	
7.6217	33.10000	13.40000	-3.50000	0.0	0.0	0.0	0.0	

Structure: No 8 Denmark Street | Sub-structure: No8 A

0.0	25.70000	33.20000	-3.50000	0.0	0.0	0.0	0.0	
1.0600	24.85000	32.56667	-3.50000	0.0	0.0	0.0	0.0	
2.1200	24.00000	31.93333	-3.50000	0.0	0.0	0.0	0.0	
3.1800	23.15000	31.30000	-3.50000	0.0	0.0	0.0	0.0	
4.2400	22.30000	30.66667	-3.50000	0.0	0.0	0.0	0.0	
5.3000	21.45000	30.03333	-3.50000	0.0	0.0	0.0	0.0	
6.3600	20.60000	29.40000	-3.50000	0.0	0.0	0.0	0.0	

Structure: 122 Charing Cross Rd | Sub-structure: 122A

0.0	29.30000	10.20000	-3.50000	0.0	0.0	0.0	0.0	d
2.1314	31.00000	11.48571	-3.50000	0.0	0.0	0.0	0.0	d
4.2629	32.70000	12.77143	-3.50000	0.0	0.0	0.0	0.0	d
6.3943	34.40000	14.05714	-3.50000	0.0	0.0	0.0	0.0	d
8.5258	36.10000	15.34286	-3.50000	0.0	0.0	0.0	0.0	d
10.657	37.80000	16.62857	-3.50000	0.0	0.0	0.0	0.0	d
12.789	39.50000	17.91429	-3.50000	0.0	0.0	0.0	0.0	d
14.920	41.20000	19.20000	-3.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: 122 Charing Cross Rd | Sub-structure: 122B

0.0	41.20000	19.20000	-3.50000	0.0	0.0	0.0	0.0	d
1.2494	41.97778	18.22222	-3.50000	0.0	0.0	0.0	0.0	d
2.4988	42.75556	17.24444	-3.50000	0.0	0.0	0.0	0.0	d
3.7482	43.53333	16.26667	-3.50000	0.0	0.0	0.0	0.0	d
4.9976	44.31111	15.28889	-3.50000	0.0	0.0	0.0	0.0	d
6.2470	45.08889	14.31111	-3.50000	0.0	0.0	0.0	0.0	d
7.4964	45.86667	13.33333	-3.50000	0.0	0.0	0.0	0.0	d
8.7458	46.64444	12.35556	-3.50000	0.0	0.0	0.0	0.0	d
9.9952	47.42222	11.37778	-3.50000	0.0	0.0	0.0	0.0	d
11.245	48.20000	10.40000	-3.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	25.70000	33.20000	-2.50000	0.0	0.0	0.0	0.0	d
1.9233	26.88571	31.68571	-2.50000	0.0	0.0	0.0	0.0	d
3.8465	28.07143	30.17143	-2.50000	0.0	0.0	0.0	0.0	d
5.7698	29.25714	28.65714	-2.50000	0.0	0.0	0.0	0.0	d
7.6931	30.44286	27.14286	-2.50000	0.0	0.0	0.0	0.0	d
9.6164	31.62857	25.62857	-2.50000	0.47915	-0.65718	0.81283	-0.027901	d
11.540	32.81429	24.11429	-2.50000	1.1358	-1.5578	1.9267	-0.066136	d
13.463	34.00000	22.60000	-2.50000	2.6641	-1.0818	2.4942	1.4306	d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 A

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	25.70000	33.20000	-2.50000	0.0	0.0	0.0	0.0	d
1.9233	26.88571	31.68571	-2.50000	0.0	0.0	0.0	0.0	d
3.8465	28.07143	30.17143	-2.50000	0.0	0.0	0.0	0.0	d
5.7698	29.25714	28.65714	-2.50000	0.0	0.0	0.0	0.0	d
7.6931	30.44286	27.14286	-2.50000	0.0	0.0	0.0	0.0	d
9.6164	31.62857	25.62857	-2.50000	0.47915	-0.65718	0.81283	-0.027901	d
11.540	32.81429	24.11429	-2.50000	1.1358	-1.5578	1.9267	-0.066136	d
13.463	34.00000	22.60000	-2.50000	2.6641	-1.0818	2.4942	1.4306	d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 C

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	39.10000	26.10000	-2.50000	-0.38687	-2.6074	-1.8565	1.8712	d
1.9800	37.91429	27.68571	-2.50000	1.8512	-2.6975	-3.2689	0.13280	d
3.9600	36.72857	29.27143	-2.50000	0.73178	-1.0663	-1.2922	0.052496	d
5.9400	35.54286	30.85714	-2.50000	0.0	0.0	0.0	0.0	d
7.9200	34.35714	32.44286	-2.50000	0.0	0.0	0.0	0.0	d
9.9000	33.17143	34.02857	-2.50000	0.0	0.0	0.0	0.0	d
11.880	31.98571	35.61429	-2.50000	0.0	0.0	0.0	0.0	d
13.860	30.80000	37.20000	-2.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 D

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	30.80000	37.20000	-2.50000	0.0	0.0	0.0	0.0	d
1.0803	29.95000	36.53333	-2.50000	0.0	0.0	0.0	0.0	d
2.1605	29.10000	35.86667	-2.50000	0.0	0.0	0.0	0.0	d
3.2408	28.25000	35.20000	-2.50000	0.0	0.0	0.0	0.0	d
4.3210	27.40000	34.53333	-2.50000	0.0	0.0	0.0	0.0	d
5.4013	26.55000	33.86667	-2.50000	0.0	0.0	0.0	0.0	d
6.4815	25.70000	33.20000	-2.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: No 6 Denmark Street | Sub-structure: No6 A

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	30.80000	37.20000	-2.50000	-0.36396	d
1.9328	31.98750	35.67500	-2.50000	-0.12971	d
3.8656	33.17500	34.15000	-2.50000	-0.18673	d
5.7985	34.36250	32.62500	-2.50000	-0.27255	d
7.7313	35.55000	31.10000	-2.50000	-0.40522	d
9.6641	36.73750	29.57500	-2.50000	-0.61601	d
11.597	37.92500	28.05000	-2.50000	-0.95219	d
13.530	39.11250	26.52500	-2.50000	-1.3819	d
15.463	40.30000	25.00000	-2.50000	-1.8711	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 C

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	43.10000	21.10000	-0.70000	-3.9354	d
1.5000	44.30000	22.00000	-0.70000	-1.2244	d
3.0000	45.50000	22.90000	-0.70000	-0.80501	d
4.5000	46.70000	23.80000	-0.70000	-0.55355	d
6.0000	47.90000	24.70000	-0.70000	-0.78577	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 D

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	47.90000	24.70000	-0.70000	-0.78577	d
0.57255	47.56250	25.16250	-0.70000	-0.40470	d
1.1451	47.22500	25.62500	-0.70000	-0.41394	d
1.7176	46.88750	26.08750	-0.70000	-0.42034	d
2.2902	46.55000	26.55000	-0.70000	-0.42369	d
2.8627	46.21250	27.01250	-0.70000	-0.42394	d
3.4353	45.87500	27.47500	-0.70000	-0.42112	d
4.0078	45.53750	27.93750	-0.70000	-0.41537	d
4.5804	45.20000	28.40000	-0.70000	-0.40691	d

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 E

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	45.20000	28.40000	-2.50000	-0.40691	d
2.6433	43.61667	30.51667	-2.50000	-0.34446	d
5.2867	42.03333	32.63333	-2.50000	-0.26332	d
7.9300	40.45000	34.75000	-2.50000	-0.18831	d
10.573	38.86667	36.86667	-2.50000	-0.12949	d
13.217	37.28333	38.98333	-2.50000	-0.087091	d
15.860	35.70000	41.10000	-2.50000	-0.11552	d

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

d - Displacements include imported displacements.

Structure: No 6 Denmark Street | Sub-structure: No6 F

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	35.70000	41.10000	-3.50000	0.0
1.0438	34.88333	40.45000	-3.50000	0.0
2.0875	34.06667	39.80000	-3.50000	0.0
3.1313	33.25000	39.15000	-3.50000	0.0
4.1751	32.43333	38.50000	-3.50000	0.0
5.2188	31.61667	37.85000	-3.50000	0.0
6.2626	30.80000	37.20000	-3.50000	0.0

Structure: No 9 Denmark Street | Sub-structure: No9 A

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.60000	29.40000	-3.50000	0.0
1.8118	21.71429	27.97143	-3.50000	0.0
3.6235	22.82857	26.54286	-3.50000	0.0
5.4353	23.94286	25.11429	-3.50000	0.0
7.2470	25.05714	23.68571	-3.50000	0.0
9.0588	26.17143	22.25714	-3.50000	0.0
10.871	27.28571	20.82857	-3.50000	0.0
12.682	28.40000	19.40000	-3.50000	0.0

Structure: No 9 Denmark Street | Sub-structure: No9 B

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	28.40000	19.40000	-3.50000	0.0
1.0888	29.07143	18.54286	-3.50000	0.0
2.1776	29.74286	17.68571	-3.50000	0.0
3.2664	30.41429	16.82857	-3.50000	0.0
4.3552	31.08571	15.97143	-3.50000	0.0
5.4441	31.75714	15.11429	-3.50000	0.0
6.5329	32.42857	14.25714	-3.50000	0.0
7.6217	33.10000	13.40000	-3.50000	0.0

Structure: No 8 Denmark Street | Sub-structure: No8 A

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	25.70000	33.20000	-3.50000	0.0
1.0600	24.85000	32.56667	-3.50000	0.0
2.1200	24.00000	31.93333	-3.50000	0.0
3.1800	23.15000	31.30000	-3.50000	0.0
4.2400	22.30000	30.66667	-3.50000	0.0
5.3000	21.45000	30.03333	-3.50000	0.0
6.3600	20.60000	29.40000	-3.50000	0.0

Structure: 122 Charing Cross Rd | Sub-structure: 122A

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	29.30000	10.20000	-3.50000	-0.16452 d
2.1314	31.00000	11.48571	-3.50000	-0.24889 d
4.2629	32.70000	12.77143	-3.50000	-0.38558 d
6.3943	34.40000	14.05714	-3.50000	-0.61841 d
8.5258	36.10000	15.34286	-3.50000	-1.0428 d
10.657	37.80000	16.62857	-3.50000	-1.8750 d
12.789	39.50000	17.91429	-3.50000	-3.1917 d
14.920	41.20000	19.20000	-3.50000	-6.7078 d

d - Displacements include imported displacements.

Structure: 122 Charing Cross Rd | Sub-structure: 122B

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	41.20000	19.20000	-3.50000	-6.7078 d
1.2494	41.97778	18.22222	-3.50000	-1.9764 d
2.4988	42.75556	17.24444	-3.50000	-1.2729 d
3.7482	43.53333	16.26667	-3.50000	-0.86891 d
4.9976	44.31111	15.28889	-3.50000	-0.61876 d
6.2470	45.08889	14.31111	-3.50000	-0.45422 d
7.4964	45.86667	13.33333	-3.50000	-0.34088 d
8.7458	46.64444	12.35556	-3.50000	-0.26004 d
9.9952	47.42222	11.37778	-3.50000	-0.20083 d
11.245	48.20000	10.40000	-3.50000	-0.15657 d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 A

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	25.70000	33.20000	-2.50000	-0.19281 d
1.9233	26.88571	31.68571	-2.50000	-0.13851 d
3.8465	28.07143	30.17143	-2.50000	-0.20175 d
5.7698	29.25714	28.65714	-2.50000	-0.29997 d
7.6931	30.44286	27.14286	-2.50000	-0.45983 d
9.6164	31.62857	25.62857	-2.50000	-0.73827 d
11.540	32.81429	24.11429	-2.50000	-1.2715 d
13.463	34.00000	22.60000	-2.50000	-4.9721 d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 C

Dist.	Coordinates x	y	z	Displacements z

[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	39.10000	26.10000	-2.50000	-2.8012	d
1.9800	37.91429	27.68571	-2.50000	-1.0633	d
3.9600	36.72857	29.27143	-2.50000	-0.66625	d
5.9400	35.54286	30.85714	-2.50000	-0.42796	d
7.9200	34.35714	32.44286	-2.50000	-0.28276	d
9.9000	33.17143	34.02857	-2.50000	-0.19100	d
11.880	31.98571	35.61429	-2.50000	-0.13110	d
13.860	30.80000	37.20000	-2.50000	-0.36396	d

d - Displacements include imported displacements.

Structure: No 7 Retained | Sub-structure: No7 D

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

Vertical Offset 1

0.0	30.80000	37.20000	-2.50000	-0.36396	d
1.0803	29.95000	36.53333	-2.50000	-0.094844	d
2.1605	29.10000	35.86667	-2.50000	-0.097651	d
3.2408	28.25000	35.20000	-2.50000	-0.099264	d
4.3210	27.40000	34.53333	-2.50000	-0.099597	d
5.4013	26.55000	33.86667	-2.50000	-0.098627	d
6.4815	25.70000	33.20000	-2.50000	-0.19281	d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: No 6 Denmark Street | Sub-structure: No6 A

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	15.460	Sagging	0.0046004	363.81E-6	0.0060968	798.06E-6	253.32E-6	10468.	0 (Negligible)

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

Structure: No 6 Denmark Street | Sub-structure: No6 C

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	5.9900	Sagging	0.032028	0.0097352	0.039185	-267.58E-6	-0.0018068	797.55	0 (Negligible)

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

Structure: No 6 Denmark Street | Sub-structure: No6 D

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7001	Sagging	0.015018	0.0	0.014881	0.0	-665.57E-6	670.91	0 (Negligible)
	2	1.7001	2.8799	Hogging	317.28E-6	0.0	315.18E-6	0.0	-14.760E-6	106420.	0 (Negligible)

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

Structure: No 6 Denmark Street | Sub-structure: No6 E

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	4.8542	Hogging	174.83E-6	0.0	173.63E-6	0.0	-30.692E-6	280980.	0 (Negligible)
	2	4.8542	11.006	Sagging	609.50E-6	0.0	604.57E-6	0.0	-30.692E-6	82751.	0 (Negligible)

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

Structure: No 6 Denmark Street | Sub-structure: No6 F

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

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

Structure: No 9 Denmark Street | Sub-structure: No9 A

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

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

Structure: No 9 Denmark Street | Sub-structure: No9 B

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

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

Structure: No 8 Denmark Street | Sub-structure: No8 A

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

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

Structure: 122 Charing Cross Rd | Sub-structure: 122A

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	14.920	Sagging	0.019826	0.0	0.021495	0.0	0.0016496	1728.6	0 (Negligible)

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

Structure: 122 Charing Cross Rd | Sub-structure: 122B

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	11.240	Sagging	0.035601	0.0	0.032365	0.0	-0.0037870	314.72	0 (Negligible)

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

Structure: No 7 Retained | Sub-structure: No7 A

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	13.460	Sagging	0.022319	0.018524	0.044063	-578.83E-6	0.0019236	949.63	0 (Negligible)

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

Structure: No 7 Retained | Sub-structure: No7 C

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	13.860	Sagging	0.010371	0.013394	0.025489	-997.36E-6	-878.33E-6	2393.4	0 (Negligible)

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

Structure: No 7 Retained | Sub-structure: No7 D

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.2208	Sagging	0.0055644	0.0	0.0054994	0.0	-249.13E-6	3430.1	0 (Negligible)
	2	3.2208	0.076665	Hogging	22.806E-6	0.0	22.781E-6	0.0	1.4939E-6	925330.	0 (Negligible)
	3	3.2974	3.1826	Sagging	0.0019470	0.0	0.0019248	0.0	87.190E-6	9778.6	0 (Negligible)

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

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

Structure: No 6 Denmark Street | Sub-structure: No6 A

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	0.0046004	363.81E-6	253.32E-6	1.8705	0.0060968	798.06E-6	253.32E-6	-	10468.	0 (Negligible)

Structure: No 6 Denmark Street | Sub-structure: No6 C

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	0.032028	0.0097352	-0.0018068	3.9354	0.039185	-267.58E-6	-0.0018068	-	797.55	0 (Negligible)

Structure: No 6 Denmark Street | Sub-structure: No6 D

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	0.015018	0.0	-665.57E-6	0.78577	0.014881	0.0	-665.57E-6	106420.	670.91	0 (Negligible)

Structure: No 6 Denmark Street | Sub-structure: No6 E

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

Movement Calculations						Curve				
[m]	[%]	[%]		[mm]	[%]		[m]	[m]		
0.0	609.50E-6	0.0	-30.692E-6	0.40691	604.57E-6	0.0	-30.692E-6	280980.	82751.	0 (Negligible)

Structure: No 6 Denmark Street | Sub-structure: No6 F

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

Structure: No 9 Denmark Street | Sub-structure: No9 A

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

Structure: No 9 Denmark Street | Sub-structure: No9 B

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

Structure: No 8 Denmark Street | Sub-structure: No8 A

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

Structure: 122 Charing Cross Rd | Sub-structure: 122A

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	0.019826	0.0	0.0016496	6.7076	0.021495	0.0	0.0016496	-	1728.6	0 (Negligible)

Structure: 122 Charing Cross Rd | Sub-structure: 122B

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	0.035601	0.0	-0.0037870	6.7078	0.032365	0.0	-0.0037870	-	314.72	0 (Negligible)

Structure: No 7 Retained | Sub-structure: No7 A

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	0.022319	0.018524	0.0019236	4.9665	0.044063	-578.83E-6	0.0019236	-	949.63	0 (Negligible)

Structure: No 7 Retained | Sub-structure: No7 C

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	0.010371	0.013394	-878.33E-6	2.8012	0.025489	-997.36E-6	-878.33E-6	-	2393.4	0 (Negligible)

Structure: No 7 Retained | Sub-structure: No7 D

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	0.0055644	0.0	-249.13E-6	0.36396	0.0054994	0.0	-249.13E-6	925330.	3430.1	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]	
No 6 Denmark Street	Max Slope	No6 C	1	0.0	5.9900	Sagging	**0.0018068**	3.9354	0.039185	-	797.55	0 (Negligible)
	Max Settlement	No6 C	1	0.0	5.9900	Sagging	0.0018068	**3.9354**	0.039185	-	797.55	0 (Negligible)
	Max Tensile Strain	No6 C	1	0.0	5.9900	Sagging	0.0018068	3.9354	**0.039185**	-	797.55	0 (Negligible)
	Min Radius of Curvature (Hogging)	No6 D	2	1.7001	4.5800	Hogging	14.760E-6	0.42394	315.18E-6	**106420.**	-	0 (Negligible)

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	Min Radius of Curvature (Sagging)	No6 D	1	0.0	1.7001	Sagging	665.57E-6	0.78577	0.014881	-	**670.91**	0 (Negligible)
No 9 Denmark Street	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
No 8 Denmark Street	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
122 Charing Cross Rd	Max Slope	122B	1	0.0	11.240	Sagging	**0.0037870**	6.7078	0.032365	-	314.72	0 (Negligible)
	Max Settlement	122B	1	0.0	11.240	Sagging	0.0037870	**6.7078**	0.032365	-	314.72	0 (Negligible)
	Max Tensile Strain	122B	1	0.0	11.240	Sagging	0.0037870	6.7078	**0.032365**	-	314.72	0 (Negligible)
	Min Radius of Curvature (Hogging)		-	-	-	-	-	-	-	-	-	-
	Min Radius of Curvature (Sagging)	122B	1	0.0	11.240	Sagging	0.0037870	6.7078	0.032365	-	**314.72**	0 (Negligible)
No 7 Retained	Max Slope	No7 A	1	0.0	13.460	Sagging	**0.0019236**	4.9665	0.044063	-	949.63	0 (Negligible)
	Max Settlement	No7 A	1	0.0	13.460	Sagging	0.0019236	**4.9665**	0.044063	-	949.63	0 (Negligible)
	Max Tensile Strain	No7 A	1	0.0	13.460	Sagging	0.0019236	4.9665	**0.044063**	-	949.63	0 (Negligible)
	Min Radius of Curvature (Hogging)	No7 D	2	3.2208	3.2974	Hogging	1.4939E-6	0.099282	22.781E-6	**925330.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	No7 A	1	0.0	13.460	Sagging	0.0019236	4.9665	0.044063	-	**949.63**	0 (Negligible)