

Titles

Job No.:
Job Title:
Sub-title:
Calculation Heading:
Initials:
Checker:
Date Saved: 26-Sep-2022
Date Checked:
Notes:
File Name: XDisp1 short term (high stiffness wall high stiffness clay).xdd
File Path: C:\Users\drahman\Desktop\Eldon Grove BDA

History

Date	Time	By	Notes
22-Sep-2022	11:36	DRahman	New
22-Sep-2022	14:56	DRahman	
22-Sep-2022	15:38	DRahman	
26-Sep-2022	10:45	DRahman	
27-Sep-2022	17:30	DRahman	Open

Polylines

Ref.	Name	x [m]	y [m]	z [m]
1	Eldon Grove 12	0.00000	0.00000	-4.00000
		10.70100	0.00000	-4.00000
		10.70100	-10.63500	-4.00000
		10.35100	-10.63500	-4.00000
		10.35100	-11.69000	-4.00000
		6.23600	-11.69000	-4.00000
		6.23600	-10.59000	-4.00000
		4.11600	-10.59000	-4.00000
		4.11600	-11.69000	-4.00000
		0.00000	-11.69000	-4.00000
2	Eldon Grove 11	0.00000	0.00000	-4.00000
		-19.50000	0.00000	0.00000
		-3.50000	0.00000	0.00000
		-3.50000	-11.00000	0.00000
		-19.50000	-11.00000	0.00000
3	Eldon Grove 14	24.70000	0.00000	0.00000
		48.70000	0.00000	0.00000
		48.70000	-12.00000	0.00000
		24.70000	-12.00000	0.00000
		24.70000	0.00000	0.00000

Displacement Lines

Ref.	Name	x1 [m]	y1 [m]	z1 [m]	x2 [m]	y2 [m]	z2 [m]	Intervals [No.]	Surface type for tunnels	Interpolate imported displacements	Calculate
1	No 11 (1)	-3.50000	0.00000	0.00000	-19.50000	0.00000	0.00000	16	Surface	Yes	Yes
2	No 11 (2)	-3.50000	-11.00000	0.00000	-19.50000	-11.00000	0.00000	16	Surface	Yes	Yes
3	No 11 (3)	-3.50000	0.00000	0.00000	-3.50000	-11.00000	0.00000	11	Surface	Yes	Yes
4	No 11 (4)	-19.50000	0.00000	0.00000	-19.50000	-11.00000	0.00000	11	Surface	Yes	Yes
5	No 14 (1)	24.70000	0.00000	0.00000	48.70000	0.00000	0.00000	24	Surface	Yes	Yes
6	No 14 (2)	24.70000	-12.00000	0.00000	48.70000	-12.00000	0.00000	24	Surface	Yes	Yes
7	No 14 (3)	24.70000	0.00000	0.00000	24.70000	-12.00000	0.00000	24	Surface	Yes	Yes
8	No 14 (4)	48.70000	0.00000	0.00000	48.70000	-12.00000	0.00000	24	Surface	Yes	Yes

Displacement Grids

Ref.	Name	Extrusion Direction	Base line start: X [m]	Base line start: Y [m]	Base line end: Z (level) [m]	Base line end: X [m]	Base line end: Y [m]	Base line end: Z (level) [m]	Base Intervals [No.]	Extrusion Distance [m]	Extrusion Intervals [No.]	Surface type	Calculate
1	Grid 1	Global X	-10.00000	10.00000	0.00000	-	-20.00000	0.00000	10	30.00000	10	Surface	Yes
2	Exclusion Zone	Global X	-10.00000	10.00000	-15.00000	-	-20.00000	-15.00000	10	30.00000	10	Surface	Yes
3	Network Rail Asset	Global X	-10.00000	10.00000	-25.00000	-	-20.00000	-25.00000	10	30.00000	10	Surface	No

Imported Displacements

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1	12 Eldon Grove.pdd - Immediate	1	-10.00000	10.00000	0.00000	0.00000	0.00000	-0.05072
		2	-7.00000	10.00000	0.00000	0.00000	0.00000	-0.07426
		3	-4.00000	10.00000	0.00000	0.00000	0.00000	-0.10324
		4	-1.00000	10.00000	0.00000	0.00000	0.00000	-0.13398
		5	2.00000	10.00000	0.00000	0.00000	0.00000	-0.15905
		6	5.00000	10.00000	0.00000	0.00000	0.00000	-0.17015
		7	8.00000	10.00000	0.00000	0.00000	0.00000	-0.16311
		8	11.00000	10.00000	0.00000	0.00000	0.00000	-0.14060
		9	14.00000	10.00000	0.00000	0.00000	0.00000	-0.11040
		10	17.00000	10.00000	0.00000	0.00000	0.00000	-0.08052
		11	20.00000	10.00000	0.00000	0.00000	0.00000	-0.05558
		12	-10.00000	7.00000	0.00000	0.00000	0.00000	-0.07462
		13	-7.00000	7.00000	0.00000	0.00000	0.00000	-0.11490
		14	-4.00000	7.00000	0.00000	0.00000	0.00000	-0.16992
		15	-1.00000	7.00000	0.00000	0.00000	0.00000	-0.23503
		16	2.00000	7.00000	0.00000	0.00000	0.00000	-0.29255
		17	5.00000	7.00000	0.00000	0.00000	0.00000	-0.31883
		18	8.00000	7.00000	0.00000	0.00000	0.00000	-0.30214
		19	11.00000	7.00000	0.00000	0.00000	0.00000	-0.24992
		20	14.00000	7.00000	0.00000	0.00000	0.00000	-0.18448
		21	17.00000	7.00000	0.00000	0.00000	0.00000	-0.12628
		22	20.00000	7.00000	0.00000	0.00000	0.00000	-0.08262
		23	-10.00000	4.00000	0.00000	0.00000	0.00000	-0.10432
		24	-7.00000	4.00000	0.00000	0.00000	0.00000	-0.17085
		25	-4.00000	4.00000	0.00000	0.00000	0.00000	-0.27588
		26	-1.00000	4.00000	0.00000	0.00000	0.00000	-0.42595
		27	2.00000	4.00000	0.00000	0.00000	0.00000	-0.57748
		28	5.00000	4.00000	0.00000	0.00000	0.00000	-0.64667
		29	8.00000	4.00000	0.00000	0.00000	0.00000	-0.60301
		30	11.00000	4.00000	0.00000	0.00000	0.00000	-0.46425
		31	14.00000	4.00000	0.00000	0.00000	0.00000	-0.30692
		32	17.00000	4.00000	0.00000	0.00000	0.00000	-0.19113
		33	20.00000	4.00000	0.00000	0.00000	0.00000	-0.11692
		34	-10.00000	1.00000	0.00000	0.00000	0.00000	-0.13631
		35	-7.00000	1.00000	0.00000	0.00000	0.00000	-0.23789
		36	-4.00000	1.00000	0.00000	0.00000	0.00000	-0.42857
		37	-1.00000	1.00000	0.00000	0.00000	0.00000	-0.85341
		38	2.00000	1.00000	0.00000	0.00000	0.00000	-1.54622
		39	5.00000	1.00000	0.00000	0.00000	0.00000	-1.74564
		40	8.00000	1.00000	0.00000	0.00000	0.00000	-1.62753
		41	11.00000	1.00000	0.00000	0.00000	0.00000	-1.03070

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
42		14.00000	1.00000	0.00000	0.00000	0.00000	0.00000	-0.49528
43		17.00000	1.00000	0.00000	0.00000	0.00000	0.00000	-0.27139
44		20.00000	1.00000	0.00000	0.00000	0.00000	0.00000	-0.15457
45		-10.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.16330
46		-7.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.29885
47		-4.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.58587
48		-1.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-1.55447
49		2.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-3.95702
50		5.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-4.36606
51		8.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-4.13946
52		11.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-2.38910
53		14.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.69869
54		17.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.34584
55		20.00000	-2.00000	0.00000	0.00000	0.00000	0.00000	-0.18668
56		-10.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.17686
57		-7.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.33035
58		-4.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.66604
59		-1.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-1.77444
60		2.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-4.39463
61		5.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-4.87406
62		8.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-4.60472
63		11.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-2.45764
64		14.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.79803
65		17.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.38387
66		20.00000	-5.00000	0.00000	0.00000	0.00000	0.00000	-0.20270
67		-10.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.17127
68		-7.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.31973
69		-4.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.63960
70		-1.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-1.70914
71		2.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-4.26726
72		5.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-4.69284
73		8.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-4.45665
74		11.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-2.36787
75		14.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.76128
76		17.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.36965
77		20.00000	-8.00000	0.00000	0.00000	0.00000	0.00000	-0.19675
78		-10.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.15112
79		-7.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.27117
80		-4.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.51458
81		-1.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-1.29040
82		2.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-3.11583
83		5.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-2.80520
84		8.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-3.17919
85		11.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-1.63801
86		14.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.59654
87		17.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.30911
88		20.00000	-11.00000	0.00000	0.00000	0.00000	0.00000	-0.17109
89		-10.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.12050
90		-7.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.20410
91		-4.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.34862
92		-1.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.59555
93		2.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.87377
94		5.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.94583
95		8.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.90479
96		11.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.65270
97		14.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.38840
98		17.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.22806
99		20.00000	-14.00000	0.00000	0.00000	0.00000	0.00000	-0.13476
100		-10.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.08887
101		-7.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.14103
102		-4.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.21721
103		-1.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.31426
104		2.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.40214
105		5.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.43975
106		8.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.41431
107		11.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.33367
108		14.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.23552
109		17.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.15467
110		20.00000	-17.00000	0.00000	0.00000	0.00000	0.00000	-0.09812
111		-10.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.06179
112		-7.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.09259
113		-4.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.13225
114		-1.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.17603
115		2.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.21236
116		5.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.22815
117		8.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.21747
118		11.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.18435
119		14.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.14107
120		17.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.10010
121		20.00000	-20.00000	0.00000	0.00000	0.00000	0.00000	-0.06747
122		-10.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.05690
123		-7.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.07789
124		-4.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.10185
125		-1.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.12547
126		2.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.14369
127		5.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.15152
128		8.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.14656
129		11.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.13034
130		14.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.10748
131		17.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.08321
132		20.00000	10.00000	-15.00000	0.00000	0.00000	0.00000	-0.06135
133		-10.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.07825
134		-7.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.11087
135		-4.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.15010
136		-1.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.19065
137		2.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.22303
138		5.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.23721
139		8.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.22821
140		11.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.19922
141		14.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.15960
142		17.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.11940
143		20.00000	7.00000	-15.00000	0.00000	0.00000	0.00000	-0.08501
144		-10.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.10288
145		-7.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.15093
146		-4.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.21187
147		-1.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.27794
148		2.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.33257
149		5.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.35691
150		8.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.34143
151		11.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.29224
152		14.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.22706
153		17.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.16388
154		20.00000	4.00000	-15.00000	0.00000	0.00000	0.00000	-0.11261
155		-10.00000	1.00000	-15.00000	0.00000	0.00000	0.00000	-0.12758
156		-7.00000	1.00000	-15.00000	0.00000	0.00000	0.00000	-0.19301
157		-4.00000	1.00000	-15.00000	0.00000	0.00000	0.00000	-0.27987
158		-1.00000	1.00000	-15.00000	0.00000	0.00000	0.00000	-0.37798
159		2.00000	1.00000	-15.00000	0.00000	0.00000	0.00000	-0.46146
160		5.00000	1.00000	-15.00000				

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]	
183			8.00000	-5.00000	-15.00000	0.00000	0.00000	-0.65553	1
184			11.00000	-5.00000	-15.00000	0.00000	0.00000	-0.54203	1
185			14.00000	-5.00000	-15.00000	0.00000	0.00000	-0.39860	1
186			17.00000	-5.00000	-15.00000	0.00000	0.00000	-0.26961	1
187			20.00000	-5.00000	-15.00000	0.00000	0.00000	-0.17382	1
188			-10.00000	-17.00000	-15.00000	0.00000	0.00000	-0.15363	1
189			-7.00000	-8.00000	-15.00000	0.00000	0.00000	-0.23906	1
190			-4.00000	-8.00000	-15.00000	0.00000	0.00000	-0.35692	1
191			-1.00000	-8.00000	-15.00000	0.00000	0.00000	-0.49441	1
192			2.00000	-8.00000	-15.00000	0.00000	0.00000	-0.61364	1
193			5.00000	-8.00000	-15.00000	0.00000	0.00000	-0.66764	1
194			8.00000	-8.00000	-15.00000	0.00000	0.00000	-0.63259	1
195			11.00000	-8.00000	-15.00000	0.00000	0.00000	-0.52409	1
196			14.00000	-8.00000	-15.00000	0.00000	0.00000	-0.38660	1
197			17.00000	-8.00000	-15.00000	0.00000	0.00000	-0.26245	1
198			20.00000	-8.00000	-15.00000	0.00000	0.00000	-0.15982	1
199			-10.00000	-11.00000	-15.00000	0.00000	0.00000	-0.13936	1
200			-7.00000	-11.00000	-15.00000	0.00000	0.00000	-0.21183	1
201			-4.00000	-11.00000	-15.00000	0.00000	0.00000	-0.31090	1
202			-1.00000	-11.00000	-15.00000	0.00000	0.00000	-0.42409	1
203			2.00000	-11.00000	-15.00000	0.00000	0.00000	-0.52072	1
204			5.00000	-11.00000	-15.00000	0.00000	0.00000	-0.56403	1
205			8.00000	-11.00000	-15.00000	0.00000	0.00000	-0.53566	1
206			11.00000	-11.00000	-15.00000	0.00000	0.00000	-0.44774	1
207			14.00000	-11.00000	-15.00000	0.00000	0.00000	-0.33504	1
208			17.00000	-11.00000	-15.00000	0.00000	0.00000	-0.23134	1
209			20.00000	-11.00000	-15.00000	0.00000	0.00000	-0.15222	1
210			-10.00000	-14.00000	-15.00000	0.00000	0.00000	-0.11541	1
211			-7.00000	-14.00000	-15.00000	0.00000	0.00000	-0.17199	1
212			-4.00000	-14.00000	-15.00000	0.00000	0.00000	-0.24531	1
213			-1.00000	-14.00000	-15.00000	0.00000	0.00000	-0.32612	1
214			2.00000	-14.00000	-15.00000	0.00000	0.00000	-0.39335	1
215			5.00000	-14.00000	-15.00000	0.00000	0.00000	-0.42304	1
216			8.00000	-14.00000	-15.00000	0.00000	0.00000	-0.40342	1
217			11.00000	-14.00000	-15.00000	0.00000	0.00000	-0.34237	1
218			14.00000	-14.00000	-15.00000	0.00000	0.00000	-0.26245	1
219			17.00000	-14.00000	-15.00000	0.00000	0.00000	-0.18643	1
220			20.00000	-14.00000	-15.00000	0.00000	0.00000	-0.12611	1
221			-10.00000	-17.00000	-15.00000	0.00000	0.00000	-0.09017	1
222			-7.00000	-17.00000	-15.00000	0.00000	0.00000	-0.12994	1
223			-4.00000	-17.00000	-15.00000	0.00000	0.00000	-0.17853	1
224			-1.00000	-17.00000	-15.00000	0.00000	0.00000	-0.23049	1
225			2.00000	-17.00000	-15.00000	0.00000	0.00000	-0.27200	1
226			5.00000	-17.00000	-15.00000	0.00000	0.00000	-0.29002	1
227			8.00000	-17.00000	-15.00000	0.00000	0.00000	-0.27805	1
228			11.00000	-17.00000	-15.00000	0.00000	0.00000	-0.24047	1
229			14.00000	-17.00000	-15.00000	0.00000	0.00000	-0.18989	1
230			17.00000	-17.00000	-15.00000	0.00000	0.00000	-0.13967	1
231			20.00000	-17.00000	-15.00000	0.00000	0.00000	-0.09777	1
232			-10.00000	-20.00000	-15.00000	0.00000	0.00000	-0.06691	1
233			-7.00000	-20.00000	-15.00000	0.00000	0.00000	-0.09307	1
234			-4.00000	-20.00000	-15.00000	0.00000	0.00000	-0.12362	1
235			-1.00000	-20.00000	-15.00000	0.00000	0.00000	-0.15426	1
236			2.00000	-20.00000	-15.00000	0.00000	0.00000	-0.17811	1
237			5.00000	-20.00000	-15.00000	0.00000	0.00000	-0.18927	1
238			8.00000	-20.00000	-15.00000	0.00000	0.00000	-0.18151	1
239			11.00000	-20.00000	-15.00000	0.00000	0.00000	-0.16002	1
240			14.00000	-20.00000	-15.00000	0.00000	0.00000	-0.13020	1
241			17.00000	-20.00000	-15.00000	0.00000	0.00000	-0.09922	1
242			20.00000	-20.00000	-15.00000	0.00000	0.00000	-0.07197	1
243			-10.00000	10.00000	-25.00000	0.00000	0.00000	-0.02112	1
244			-7.00000	10.00000	-25.00000	0.00000	0.00000	-0.02657	1
245			-4.00000	10.00000	-25.00000	0.00000	0.00000	-0.03216	1
246			-1.00000	10.00000	-25.00000	0.00000	0.00000	-0.03717	1
247			2.00000	10.00000	-25.00000	0.00000	0.00000	-0.04077	1
248			5.00000	10.00000	-25.00000	0.00000	0.00000	-0.04226	1
249			8.00000	10.00000	-25.00000	0.00000	0.00000	-0.04132	1
250			11.00000	10.00000	-25.00000	0.00000	0.00000	-0.03815	1
251			14.00000	10.00000	-25.00000	0.00000	0.00000	-0.03339	1
252			17.00000	10.00000	-25.00000	0.00000	0.00000	-0.02786	1
253			20.00000	10.00000	-25.00000	0.00000	0.00000	-0.02232	1
254			-10.00000	7.00000	-25.00000	0.00000	0.00000	-0.02668	1
255			-7.00000	7.00000	-25.00000	0.00000	0.00000	-0.03413	1
256			-4.00000	7.00000	-25.00000	0.00000	0.00000	-0.04192	1
257			-1.00000	7.00000	-25.00000	0.00000	0.00000	-0.04903	1
258			2.00000	7.00000	-25.00000	0.00000	0.00000	-0.05420	1
259			5.00000	7.00000	-25.00000	0.00000	0.00000	-0.05635	1
260			8.00000	7.00000	-25.00000	0.00000	0.00000	-0.05499	1
261			11.00000	7.00000	-25.00000	0.00000	0.00000	-0.05042	1
262			14.00000	7.00000	-25.00000	0.00000	0.00000	-0.04364	1
263			17.00000	7.00000	-25.00000	0.00000	0.00000	-0.03590	1
264			20.00000	7.00000	-25.00000	0.00000	0.00000	-0.02830	1
265			-10.00000	4.00000	-25.00000	0.00000	0.00000	-0.03245	1
266			-7.00000	4.00000	-25.00000	0.00000	0.00000	-0.04213	1
267			-4.00000	4.00000	-25.00000	0.00000	0.00000	-0.05244	1
268			-1.00000	4.00000	-25.00000	0.00000	0.00000	-0.06200	1
269			2.00000	4.00000	-25.00000	0.00000	0.00000	-0.06903	1
270			5.00000	4.00000	-25.00000	0.00000	0.00000	-0.07197	1
271			8.00000	4.00000	-25.00000	0.00000	0.00000	-0.07010	1
272			11.00000	4.00000	-25.00000	0.00000	0.00000	-0.06388	1
273			14.00000	4.00000	-25.00000	0.00000	0.00000	-0.05474	1
274			17.00000	4.00000	-25.00000	0.00000	0.00000	-0.04445	1
275			20.00000	4.00000	-25.00000	0.00000	0.00000	-0.03454	1
276			-10.00000	1.00000	-25.00000	0.00000	0.00000	-0.03772	1
277			-7.00000	1.00000	-25.00000	0.00000	0.00000	-0.04956	1
278			-4.00000	1.00000	-25.00000	0.00000	0.00000	-0.06236	1
279			-1.00000	1.00000	-25.00000	0.00000	0.00000	-0.07437	1
280			2.00000	1.00000	-25.00000	0.00000	0.00000	-0.08329	1
281			5.00000	1.00000	-25.00000	0.00000	0.00000	-0.08703	1
282			8.00000	1.00000	-25.00000	0.00000	0.00000	-0.08465	1
283			11.00000	1.00000	-25.00000	0.00000	0.00000	-0.07675	1
284			14.00000	1.00000	-25.00000	0.00000	0.00000	-0.06523	1
285			17.00000	1.00000	-25.00000	0.00000	0.00000	-0.05242	1
286			20.00000	1.00000	-25.00000	0.00000	0.00000	-0.04025	1
287			-10.00000	-2.00000	-25.00000	0.00000	0.00000	-0.04164	1
288			-7.00000	-2.00000	-25.00000	0.00000	0.00000	-0.05515	1
289			-4.00000	-2.00000	-25.00000	0.00000	0.00000	-0.06992	1
290			-1.00000	-2.00000	-25.00000	0.00000	0.00000	-0.08389	1
291			2.00000	-2.00000	-25.00000	0.00000	0.00000	-0.09431	1
292			5.00000	-2.00000	-25.00000	0.00000	0.00000	-0.09869	1
293			8.00000	-2.00000	-25.00000	0.00000	0.00000	-0.09589	1
294			11.00000	-2.00000	-25.00000	0.00000	0.00000	-0.08664	1
295			14.00000	-2.00000	-25.00000	0.00000	0.00000	-0.07323	1
296			17.00000	-2.00000	-25.00000	0.00000	0.00000	-0.05843	1
297			20.00000	-2.00000	-25.00000	0.00000	0.00000	-0.04450	1
298			-10.00000	-5.00000	-25.00000	0.00000	0.00000	-0.04347	1
299			-7.00000	-5.00000	-25.00000	0.00000	0.00000	-0.05779	1
300			-4.00000	-5.00000	-25.00000	0.00000	0.00000	-0.07349	1
301			-1.00000	-5.					

Set Ref.	Set Name	Result Ref.	Coordinates x [m]	Coordinates y [m]	Coordinates z [m]	Displacements x [mm]	Displacements y [mm]	Displacements z [mm]
324			2.00000	-11.00000	-25.00000	0.00000	0.00000	-0.08913
325			5.00000	-11.00000	-25.00000	0.00000	0.00000	-0.09318
326			8.00000	-11.00000	-25.00000	0.00000	0.00000	-0.09056
327			11.00000	-11.00000	-25.00000	0.00000	0.00000	-0.08195
328			14.00000	-11.00000	-25.00000	0.00000	0.00000	-0.06944
329			17.00000	-11.00000	-25.00000	0.00000	0.00000	-0.05559
330			20.00000	-11.00000	-25.00000	0.00000	0.00000	-0.04250
331			-10.00000	-14.00000	-25.00000	0.00000	0.00000	-0.03514
332			-7.00000	-14.00000	-25.00000	0.00000	0.00000	-0.04589
333			-4.00000	-14.00000	-25.00000	0.00000	0.00000	-0.05742
334			-1.00000	-14.00000	-25.00000	0.00000	0.00000	-0.06816
335			2.00000	-14.00000	-25.00000	0.00000	0.00000	-0.07608
336			5.00000	-14.00000	-25.00000	0.00000	0.00000	-0.07937
337			8.00000	-14.00000	-25.00000	0.00000	0.00000	-0.07723
338			11.00000	-14.00000	-25.00000	0.00000	0.00000	-0.07019
339			14.00000	-14.00000	-25.00000	0.00000	0.00000	-0.05949
340			17.00000	-14.00000	-25.00000	0.00000	0.00000	-0.04838
341			20.00000	-14.00000	-25.00000	0.00000	0.00000	-0.03736
342			-10.00000	-17.00000	-25.00000	0.00000	0.00000	-0.02951
343			-7.00000	-17.00000	-25.00000	0.00000	0.00000	-0.03802
344			-4.00000	-17.00000	-25.00000	0.00000	0.00000	-0.04699
345			-1.00000	-17.00000	-25.00000	0.00000	0.00000	-0.05522
346			2.00000	-17.00000	-25.00000	0.00000	0.00000	-0.06123
347			5.00000	-17.00000	-25.00000	0.00000	0.00000	-0.06371
348			8.00000	-17.00000	-25.00000	0.00000	0.00000	-0.06209
349			11.00000	-17.00000	-25.00000	0.00000	0.00000	-0.05675
350			14.00000	-17.00000	-25.00000	0.00000	0.00000	-0.04887
351			17.00000	-17.00000	-25.00000	0.00000	0.00000	-0.03995
352			20.00000	-17.00000	-25.00000	0.00000	0.00000	-0.03127
353			-10.00000	-20.00000	-25.00000	0.00000	0.00000	-0.02377
354			-7.00000	-20.00000	-25.00000	0.00000	0.00000	-0.03014
355			-4.00000	-20.00000	-25.00000	0.00000	0.00000	-0.03673
356			-1.00000	-20.00000	-25.00000	0.00000	0.00000	-0.04267
357			2.00000	-20.00000	-25.00000	0.00000	0.00000	-0.04695
358			5.00000	-20.00000	-25.00000	0.00000	0.00000	-0.04871
359			8.00000	-20.00000	-25.00000	0.00000	0.00000	-0.04756
360			11.00000	-20.00000	-25.00000	0.00000	0.00000	-0.04376
361			14.00000	-20.00000	-25.00000	0.00000	0.00000	-0.03809
362			17.00000	-20.00000	-25.00000	0.00000	0.00000	-0.03156
363			20.00000	-20.00000	-25.00000	0.00000	0.00000	-0.02509

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.

Polygonal Excavations

Ref.	1
Excavation Name:	New Excavation
Surface level [m]:	0.0
Contribution:	Positive

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side	Prev. p1	Prev. p2*	Next Side	Next d	Next p1	Next p2*
	[m]	[m]	[m]			[m]	[%]	[m]	[m]	[%]	[m]	[%]
1	0.0	0.0	-4.0000	Yes	No	-	-	-	-	-	-	-
2	10.700	0.0	-4.0000	Yes	No	-	-	-	-	-	-	-
3	10.700	-11.690	-4.0000	Yes	No	-	-	-	-	-	-	-
4	0.0	-11.690	-4.0000	Yes	No	-	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	0.0	0.0	10.700	0.0	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))
2	10.700	0.0	10.700	-11.690	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	10.700	-11.690	0.0	-11.690	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))
4	0.0	-11.690	0.0	0.0	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Circular Excavations

Vertical Ground Movement Curves

Curve Name: Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))

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

[0.000,0.000,0.039] [0.100,0.000,0.049] [0.200,0.000,0.056] [0.300,0.000,0.062] [0.400,0.000,0.067] [0.500,0.000,0.070] [0.600,0.000,0.072] [0.700,0.000,0.073] [0.800,0.000,0.073] [0.900,0.000,0.072] [1.000,0.000,0.070] [1.100,0.000,0.068] [1.200,0.000,0.065] [1.300,0.000,0.061] [1.400,0.000,0.058] [1.500,0.000,0.054] [1.600,0.000,0.050] [1.700,0.000,0.046] [1.800,0.000,0.042] [1.900,0.000,0.038] [2.000,0.000,0.034] [2.100,0.000,0.030] [2.200,0.000,0.027] [2.300,0.000,0.023] [2.400,0.000,0.020] [2.500,0.000,0.017] [2.600,0.000,0.014] [2.700,0.000,0.012] [2.800,0.000,0.010] [2.900,0.000,0.008] [3.000,0.000,0.007] [3.100,0.000,0.005] [3.200,0.000,0.004] [3.300,0.000,0.004] [3.400,0.000,0.003] [3.500,0.000,0.002] [3.600,0.000,0.002] [3.700,0.000,0.002] [3.800,0.000,0.001] [3.900,0.000,0.001] [4.000,0.000,0.000]

Curve Fitting Method: Polynomial

x Order: 4

y Order: 0

Polynomial: z = -2.6455E-3x⁴ + 2.8495E-2x³ - 1.0051E-1x² + 1.0569E-1x + 3.8990E-2

Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves

Curve Name: Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))

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

[0.000,0.000,0.150] [4.000,0.000,0.000]

Curve Fitting Method: Polynomial

x Order: 1

y Order: 0

Polynomial: z = -3.75E-2x + 1.50E-1

Coeff. of Determination: 1.00

Damage Category Strains

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

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance Along Line: Start	Distance Along Line: End	Vertical Offsets From Line for Calculations	Vertical Displacement Limit Sensitivity	Damage Category Strains	Poisson's Ratio	E/G
				[m]	[m]	[m]	[mm]			

Ref. Name	Building Name	Sub-Building Name	Displacement Line	Distance Along Line: Start	Distance Along Line: End	Vertical Offsets from Line for	Vertical Displacement	Damage Category	Poisson's Ratio	E/G
1	No 11	No 11 (1)	No 11 (1)	0.00000	16.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
2	No 11	No 11 (2)	No 11 (2)	0.00000	16.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
3	No 11	No 11 (3)	No 11 (3)	0.00000	11.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
4	No 11	No 11 (4)	No 11 (4)	0.00000	11.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
5	No 14	No 14 (1)	No 14 (1)	0.00000	24.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
6	No 14	No 14 (2)	No 14 (2)	0.00000	24.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
7	No 14	No 14 (3)	No 14 (3)	0.00000	12.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000
8	No 14	No 14 (4)	No 14 (4)	0.00000	12.00000	0.0,-1.0000,-2.0000	0.00000	Burland Strain Limits	0.20000	2.6000

Specific Buildings - Bending Parameters

Ref. Name	Building Name	Sub-Building Name	Height	Default	Hogging: 2nd Mom. of Area (per unit width)	Hogging: Dist. of Bending from N.A. [m]	Hogging: Dist. of N.A. from Edge of Beam [m]	Sagging: 2nd Mom. of Area (per unit width)	Sagging: Dist. of Bending from N.A. [m]	Sagging: Dist. of N.A. from Edge of Beam [m]
1	No 11	No 11 (1)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
2	No 11	No 11 (2)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
3	No 11	No 11 (3)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
4	No 11	No 11 (4)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
5	No 14	No 14 (1)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
6	No 14	No 14 (2)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
7	No 14	No 14 (3)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000
8	No 14	No 14 (4)	6.0000	Yes	72.0000	6.0000	6.0000	18.0000	3.0000	3.0000

Warnings

1 If an embedded wall excavation is assigned a 'surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation X1/Side 1/Grid 2/Vertical. This is an example only. There are 7 others.

Errors

None

Displacement Results - Displacement Lines

Stage: Ref.	Stage: Name	Disp. Ref. Line	Disp. Line	Chainage [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δH// [mm]	δHperp. [mm]	Angle [°]
0	Base Model 1	No 11 (1)	No 11 (1)	0.0	-3.50000	0.00000	0.00000	4.6875	0.0	2.8824	-4.6875	0.0	180.00
				1.0000	-4.50000	0.00000	0.00000	4.3125	0.0	2.6810	-4.3125	0.0	180.00
				2.0000	-5.50000	0.00000	0.00000	3.9375	0.0	2.3567	-3.9375	0.0	180.00
				3.0000	-6.50000	0.00000	0.00000	3.5625	0.0	1.9866	-3.5625	0.0	180.00
				4.0000	-7.50000	0.00000	0.00000	3.1875	0.0	1.5582	-3.1875	0.0	180.00
				5.0000	-8.50000	0.00000	0.00000	2.8125	0.0	1.1689	-2.8125	0.0	180.00
				6.0000	-9.50000	0.00000	0.00000	2.4375	0.0	0.82607	-2.4375	0.0	180.00
				7.0000	-10.50000	0.00000	0.00000	2.0625	0.0	0.54735	-2.0625	0.0	180.00
				8.0000	-11.50000	0.00000	0.00000	1.6875	0.0	0.34039	-1.6875	0.0	180.00
				9.0000	-12.50000	0.00000	0.00000	1.3125	0.0	0.20292	-1.3125	0.0	180.00
				10.0000	-13.50000	0.00000	0.00000	0.93750	0.0	0.12274	-0.93750	0.0	180.00
				11.0000	-14.50000	0.00000	0.00000	0.56250	0.0	0.077742	-0.56250	0.0	180.00
				12.0000	-15.50000	0.00000	0.00000	0.18750	0.0	0.035898	-0.18750	0.0	180.00
				13.0000	-16.50000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	180.00
				14.0000	-17.50000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	180.00
				15.0000	-18.50000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	180.00
				16.0000	-19.50000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	180.00
				1.0000	-4.50000	-11.00000	0.00000	4.3125	0.0	2.2070	-4.3125	0.0	180.00
				2.0000	-5.50000	-11.00000	0.00000	3.9375	0.0	1.9638	-3.9375	0.0	180.00
				3.0000	-6.50000	-11.00000	0.00000	3.5625	0.0	1.6549	-3.5625	0.0	180.00
				4.0000	-7.50000	-11.00000	0.00000	3.1875	0.0	1.3071	-3.1875	0.0	180.00
				5.0000	-8.50000	-11.00000	0.00000	2.8125	0.0	0.95774	-2.8125	0.0	180.00
				6.0000	-9.50000	-11.00000	0.00000	2.4375	0.0	0.65494	-2.4375	0.0	180.00
				7.0000	-10.50000	-11.00000	0.00000	2.0625	0.0	0.41624	-2.0625	0.0	180.00
				8.0000	-11.50000	-11.00000	0.00000	1.6875	0.0	0.24929	-1.6875	0.0	180.00
				9.0000	-12.50000	-11.00000	0.00000	1.3125	0.0	0.15184	-1.3125	0.0	180.00
				10.0000	-13.50000	-11.00000	0.00000	0.93750	0.0	0.11167	-0.93750	0.0	180.00
				11.0000	-14.50000	-11.00000	0.00000	0.56250	0.0	0.10669	-0.56250	0.0	180.00
				12.0000	-15.50000	-11.00000	0.00000	0.18750	0.0	0.10486	-0.18750	0.0	180.00
				13.0000	-16.50000	-11.00000	0.00000	0.0	0.0	0.10898	0.0	0.0	180.00
				14.0000	-17.50000	-11.00000	0.00000	0.0	0.0	0.14899	0.0	0.0	180.00
				15.0000	-18.50000	-11.00000	0.00000	0.0	0.0	0.18401	0.0	0.0	180.00
				16.0000	-19.50000	-11.00000	0.00000	0.0	0.0	0.22903	0.0	0.0	180.00
				0.0	-3.50000	0.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				1.0000	-3.50000	-1.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				2.0000	-3.50000	-2.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				3.0000	-3.50000	-3.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				4.0000	-3.50000	-4.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				5.0000	-3.50000	-5.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				6.0000	-3.50000	-6.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				7.0000	-3.50000	-7.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				8.0000	-3.50000	-8.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				9.0000	-3.50000	-9.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				10.0000	-3.50000	-10.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				11.0000	-3.50000	-11.00000	0.00000	4.6875	0.0	2.8824	0.0	4.6875	270.00
				0.0	-19.50000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				1.0000	-19.50000	-1.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				2.0000	-19.50000	-2.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				3.0000	-19.50000	-3.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				4.0000	-19.50000	-4.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				5.0000	-19.50000	-5.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				6.0000	-19.50000	-6.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				7.0000	-19.50000	-7.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				8.0000	-19.50000	-8.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				9.0000	-19.50000	-9.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				10.0000	-19.50000	-10.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				11.0000	-19.50000	-11.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				0.0	24.70000	0.00000	0.00000	-0.75000	0.0	0.097612	-0.75000	0.0	0.0
				1.0000	25.70000	0.00000	0.00000	-0.37500	0.0	0.058816	-0.37500	0.0	0.0
				2.0000	26.70000	0.00000	0.00000	0.0	0.0	0.0034348	0.0	0.0	0.0
				3.0000	27.70000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				4.0000	28.70000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				5.0000	29.70000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				6.0000	30.70000	0.00000	0.00000	0.0	0.0				

Stage Ref.	Stage Name	Disp. Ref.	Disp. Line Name	Chainage [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δH [mm]	δH perp. [mm]	Angle [°]
				2.0000	26.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				3.0000	27.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				4.0000	28.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				5.0000	29.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				6.0000	30.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				7.0000	31.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				8.0000	32.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				9.0000	33.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				10.0000	34.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				11.0000	35.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				12.0000	36.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				13.0000	37.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				14.0000	38.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				15.0000	39.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				16.0000	40.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				17.0000	41.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				18.0000	42.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				19.0000	43.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				20.0000	44.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				21.0000	45.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				22.0000	46.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				23.0000	47.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
				24.0000	48.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	0.0
7		No 14 (3)		0.0	24.70000	0.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				0.50000	24.70000	-0.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				1.00000	24.70000	-1.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				1.50000	24.70000	-1.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				2.00000	24.70000	-2.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				2.50000	24.70000	-2.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				3.00000	24.70000	-3.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				3.50000	24.70000	-3.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				4.00000	24.70000	-4.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				4.50000	24.70000	-4.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				5.00000	24.70000	-5.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				5.50000	24.70000	-5.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				6.00000	24.70000	-6.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				6.50000	24.70000	-6.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				7.00000	24.70000	-7.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				7.50000	24.70000	-7.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				8.00000	24.70000	-8.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				8.50000	24.70000	-8.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				9.00000	24.70000	-9.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				9.50000	24.70000	-9.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				10.0000	24.70000	-10.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				10.5000	24.70000	-10.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				11.0000	24.70000	-11.00000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				11.5000	24.70000	-11.50000	0.00000	-0.75000	0.0	0.097612	0.0	-0.75000	270.00
				12.0000	24.70000	-12.00000	0.00000	-0.73816	0.010553	0.097462	-0.010553	-0.73816	270.00
8		No 14 (4)		0.0	48.70000	0.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				0.50000	48.70000	-0.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				1.00000	48.70000	-1.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				1.50000	48.70000	-1.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				2.00000	48.70000	-2.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				2.50000	48.70000	-2.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				3.00000	48.70000	-3.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				3.50000	48.70000	-3.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				4.00000	48.70000	-4.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				4.50000	48.70000	-4.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				5.00000	48.70000	-5.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				5.50000	48.70000	-5.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				6.00000	48.70000	-6.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				6.50000	48.70000	-6.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				7.00000	48.70000	-7.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				7.50000	48.70000	-7.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				8.00000	48.70000	-8.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				8.50000	48.70000	-8.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				9.00000	48.70000	-9.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				9.50000	48.70000	-9.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				10.0000	48.70000	-10.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				10.5000	48.70000	-10.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				11.0000	48.70000	-11.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				11.5000	48.70000	-11.50000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00
				12.0000	48.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0	0.0	270.00

* Result includes imported displacement(s).

Displacement Results - Displacement Grids

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
0	Base Model 1		Grid 1	-10.00000	10.00000	0.00000	0.34835	-0.34835	0.040884
				-7.00000	10.00000	0.00000	0.55308	-0.86946	0.16233
				-4.00000	10.00000	0.00000	0.47506	-1.4861	0.38100
				-1.00000	10.00000	0.00000	0.14158	-2.0897	0.53017
				2.00000	10.00000	0.00000	0.0	-2.2500	0.51893
				5.00000	10.00000	0.00000	0.0	-2.2500	0.50784
				8.00000	10.00000	0.00000	0.0	-2.2500	0.51487
				11.00000	10.00000	0.00000	-0.042927	-2.2054	0.53613
				14.00000	10.00000	0.00000	-0.41621	-1.6349	0.42958
				17.00000	10.00000	0.00000	-0.56113	-1.0067	0.20884
				20.00000	10.00000	0.00000	-0.41913	-0.45976	0.05809
				-10.00000	7.00000	0.00000	0.86946	-0.55308	0.16197
				-7.00000	7.00000	0.00000	1.1438	-1.1438	0.59148
				-4.00000	7.00000	0.00000	0.98378	-1.9929	1.1651
				-1.00000	7.00000	0.00000	0.30247	-3.0459	1.4989
				2.00000	7.00000	0.00000	0.0	-3.3750	1.4696
				5.00000	7.00000	0.00000	0.0	-3.3750	1.4433
				8.00000	7.00000	0.00000	0.0	-3.3750	1.4600
				11.00000	7.00000	0.00000	-0.091960	-3.2806	1.5096
				14.00000	7.00000	0.00000	-0.86881	-2.2291	1.2778
				17.00000	7.00000	0.00000	-1.1516	-1.3168	0.72581
				20.00000	7.00000	0.00000	-0.96340	-0.67159	0.23451
				-10.00000	4.00000	0.00000	1.4861	-0.47506	0.37992
				-7.00000	4.00000	0.00000	1.9929	-0.98378	1.1641
				-4.00000	4.00000	0.00000	1.9393	-1.9393	2.0226
				-1.00000	4.00000	0.00000	0.69461	-3.7592	2.3488
				2.00000	4.00000	0.00000	0.0	-4.5000	2.2235
				5.00000	4.00000	0.00000	0.0	-4.5000	2.1544
				8.00000	4.00000				

Job No.	Sheet No.	Rev.
Drg. Ref.		
Made by	Date	Checked
	26-Sep-2022	

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-1.00000	-5.00000	0.00000	5.6250	0.0	0.60822	*
				2.00000	-5.00000	0.00000				Point lies within an excavation. *
				5.00000	-5.00000	0.00000				Point lies within an excavation. *
				8.00000	-5.00000	0.00000				Point lies within an excavation. *
				11.00000	-5.00000	0.00000	-5.8875	0.0	-0.60309	*
				14.00000	-5.00000	0.00000	-4.7625	0.0	2.3015	*
				17.00000	-5.00000	0.00000	-3.6375	0.0	1.6636	*
				20.00000	-5.00000	0.00000	-2.5125	0.0	0.68722	*
				-10.00000	-8.00000	0.00000	2.2500	0.0	0.50572	*
				-7.00000	-8.00000	0.00000	3.3750	0.0	1.4424	*
				-4.00000	-8.00000	0.00000	4.5000	0.0	2.1614	*
				-1.00000	-8.00000	0.00000	5.6250	0.0	0.67352	*
				2.00000	-8.00000	0.00000				Point lies within an excavation. *
				5.00000	-8.00000	0.00000				Point lies within an excavation. *
				8.00000	-8.00000	0.00000				Point lies within an excavation. *
				11.00000	-8.00000	0.00000	-5.8875	0.0	-0.51333	*
				14.00000	-8.00000	0.00000	-4.7625	0.0	2.1409	*
				17.00000	-8.00000	0.00000	-3.6375	0.0	1.6778	*
				20.00000	-8.00000	0.00000	-2.5125	0.0	0.69317	*
				-10.00000	-11.00000	0.00000	2.2500	0.0	0.52686	*
				-7.00000	-11.00000	0.00000	3.3750	0.0	1.4910	*
				-4.00000	-11.00000	0.00000	4.5000	0.0	2.2864	*
				-1.00000	-11.00000	0.00000	5.6250	0.0	1.1023	*
				2.00000	-11.00000	0.00000				Point lies within an excavation. *
				5.00000	-11.00000	0.00000				Point lies within an excavation. *
				8.00000	-11.00000	0.00000				Point lies within an excavation. *
				11.00000	-11.00000	0.00000	-5.8875	0.0	0.21654	*
				14.00000	-11.00000	0.00000	-4.7625	0.0	2.3056	*
				17.00000	-11.00000	0.00000	-3.6375	0.0	1.7384	*
				20.00000	-11.00000	0.00000	-2.5125	0.0	0.74893	*
				-10.00000	-14.00000	0.00000	1.8403	0.31091	0.48645	*
				-7.00000	-14.00000	0.00000	2.5792	0.65660	1.4063	*
				-4.00000	-14.00000	0.00000	2.8449	1.4229	2.2990	*
				-1.00000	-14.00000	0.00000	1.3150	3.7410	2.2999	*
				2.00000	-14.00000	0.00000	0.0	5.1337	1.9943	*
				5.00000	-14.00000	0.00000	0.0	5.1337	1.9222	*
				8.00000	-14.00000	0.00000	0.0	5.1337	1.9633	*
				11.00000	-14.00000	0.00000	-0.42149	4.7050	2.2184	*
				14.00000	-14.00000	0.00000	-2.7439	1.7455	2.4068	*
				17.00000	-14.00000	0.00000	-2.7043	0.77943	1.6529	*
				20.00000	-14.00000	0.00000	-2.0335	0.37293	0.66568	*
				-10.00000	-17.00000	0.00000	1.2090	0.54511	0.28301	*
				-7.00000	-17.00000	0.00000	1.5876	1.1176	0.92406	*
				-4.00000	-17.00000	0.00000	1.4414	2.0656	1.6891	*
				-1.00000	-17.00000	0.00000	0.47090	3.5028	2.0775	*
				2.00000	-17.00000	0.00000	0.0	4.0088	2.0228	*
				5.00000	-17.00000	0.00000	0.0	4.0088	1.9852	*
				8.00000	-17.00000	0.00000	0.0	4.0088	2.0107	*
				11.00000	-17.00000	0.00000	-0.14392	3.8617	2.0883	*
				14.00000	-17.00000	0.00000	-1.2940	2.3615	1.8313	*
				17.00000	-17.00000	0.00000	-1.6127	1.2975	1.1122	*
				20.00000	-17.00000	0.00000	-1.3288	0.65529	0.39993	*
				-10.00000	-20.00000	0.00000	0.62797	0.49623	0.094852	*
				-7.00000	-20.00000	0.00000	0.85811	1.0674	0.37073	*
				-4.00000	-20.00000	0.00000	0.72585	1.8157	0.76306	*
				-1.00000	-20.00000	0.00000	0.21815	2.6431	1.0413	*
				2.00000	-20.00000	0.00000	0.0	2.8838	1.0276	*
				5.00000	-20.00000	0.00000	0.0	2.8838	1.0118	*
				8.00000	-20.00000	0.00000	0.0	2.8838	1.0225	*
				11.00000	-20.00000	0.00000	-0.066201	2.8155	1.0536	*
				14.00000	-20.00000	0.00000	-0.63701	2.0100	0.86954	*
				17.00000	-20.00000	0.00000	-0.86286	1.2266	0.46492	*
				20.00000	-20.00000	0.00000	-0.70884	0.61423	0.13846	*
	2		Exclusion Zone	-10.00000	10.00000	-15.00000	0.0	0.0	-0.056900	*
				-7.00000	10.00000	-15.00000	0.0	0.0	-0.077890	*
				-4.00000	10.00000	-15.00000	0.0	0.0	-0.10185	*
				-1.00000	10.00000	-15.00000	0.0	0.0	-0.12547	*
				2.00000	10.00000	-15.00000	0.0	0.0	-0.14369	*
				5.00000	10.00000	-15.00000	0.0	0.0	-0.15152	*
				8.00000	10.00000	-15.00000	0.0	0.0	-0.14656	*
				11.00000	10.00000	-15.00000	0.0	0.0	-0.13034	*
				14.00000	10.00000	-15.00000	0.0	0.0	-0.10748	*
				17.00000	10.00000	-15.00000	0.0	0.0	-0.083214	*
				20.00000	10.00000	-15.00000	0.0	0.0	-0.061353	*
				-10.00000	7.00000	-15.00000	0.0	0.0	-0.079248	*
				-7.00000	7.00000	-15.00000	0.0	0.0	-0.11087	*
				-4.00000	7.00000	-15.00000	0.0	0.0	-0.15010	*
				-1.00000	7.00000	-15.00000	0.0	0.0	-0.19065	*
				2.00000	7.00000	-15.00000	0.0	0.0	-0.22303	*
				5.00000	7.00000	-15.00000	0.0	0.0	-0.23721	*
				8.00000	7.00000	-15.00000	0.0	0.0	-0.22821	*
				11.00000	7.00000	-15.00000	0.0	0.0	-0.19922	*
				14.00000	7.00000	-15.00000	0.0	0.0	-0.15960	*
				17.00000	7.00000	-15.00000	0.0	0.0	-0.11940	*
				20.00000	7.00000	-15.00000	0.0	0.0	-0.085014	*
				-10.00000	4.00000	-15.00000	0.0	0.0	-0.10288	*
				-7.00000	4.00000	-15.00000	0.0	0.0	-0.15093	*
				-4.00000	4.00000	-15.00000	0.0	0.0	-0.21187	*
				-1.00000	4.00000	-15.00000	0.0	0.0	-0.27794	*
				2.00000	4.00000	-15.00000	0.0	0.0	-0.33257	*
				5.00000	4.00000	-15.00000	0.0	0.0	-0.35691	*
				8.00000	4.00000	-15.00000	0.0	0.0	-0.34143	*
				11.00000	4.00000	-15.00000	0.0	0.0	-0.29224	*
				14.00000	4.00000	-15.00000	0.0	0.0	-0.22706	*
				17.00000	4.00000	-15.00000	0.0	0.0	-0.16398	*
				20.00000	4.00000	-15.00000	0.0	0.0	-0.11261	*
				-10.00000	1.00000	-15.00000	0.0	0.0	-0.12758	*
				-7.00000	1.00000	-15.00000	0.0	0.0	-0.19301	*
				-4.00000	1.00000	-15.00000	0.0	0.0	-0.27987	*
				-1.00000	1.00000	-15.00000	0.0	0.0	-0.37798	*
				2.00000	1.00000	-15.00000	0.0	0.0	-0.46146	*
				5.00000	1.00000	-15.00000	0.0	0.0	-0.49915	*
				8.00000	1.00000	-15.00000	0.0	0.0	-0.47511	*
				11.00000	1.00000	-15.00000	0.0	0.0	-0.39960	*
				14.00000	1.00000	-15.00000	0.0	0.0	-0.30202	*
				17.00000	1.00000	-15.00000	0.0	0.0	-0.21107	*
				20.00000	1.00000	-15.00000	0.0	0.0	-0.14054	*
				-10.00000	-2.00000	-15.00000	0.0	0.0	-0.14732	*
				-7.00000	-2.00000	-15.00000	0.0	0.0	-0.22779	*
				-4.00000	-2.00000	-15.00000	0.0	0.0	-0.33796	*
				-1.00000	-2.00000	-15.00000	0.0	0.0	-0.46580	*
				2.00000	-2.00000	-15.00000	0.0	0.0	-0.57652	*
				5.00000	-2.00000	-15.00000	0.0	0.0	-0.62687	*
				8.00000	-2.00000	-15.00000	0.0	0.0	-0.59464	*
				11.00000	-2.00000	-15.00000	0.0	0.0	-0.49415	*
				14.00000	-2.00000	-15.00000	0.0	0.0	-0.36637	*
				17.00000	-2.00000	-15.00000	0.0	0.0	-0.25028	*
				20.00000	-2.00000	-15.00000	0.0	0.0	-0.16296	*
				-10.00000	-5.00000	-15.00000	0.0	0.0	-0.15695	*
				-7.00000	-5.00000	-15.00000	0.0	0.0	-0.24505	*
				-4.00000	-5.00000	-15.00000	0.0	0.0	-0.36723	*
				-1.00000	-5.00000	-15.00000	0.0	0.0	-0.51047	*
				2.00000	-5.00000	-15.00000	0.0	0.0	-0.63529	*
				5.00000	-5.00000	-15.00000	0.0	0.0	-0.69211	*
				8.00000	-5.00000	-15.00000	0.0	0.0	-0.65553	*
				11.00000	-5.00000	-15.00000	0.0	0.0	-0.54203	*
				14.00000	-5.00000	-15.00000	0.0	0.0	-0.39860	*
				17.00000	-5.00000	-15.00000	0.0	0.0	-0.26961	*
				20.00000	-5.00000	-15.00000	0.0	0.0	-0.17392	*
				-10.00000	-8.00000	-15.00000	0.0	0.0	-0.15363	*
				-7.00000	-8.00000	-15.00000				

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	-11.00000	-15.00000	0.0	0.0	-0.21183	*
				-4.00000	-11.00000	-15.00000	0.0	0.0	-0.31090	*
				-1.00000	-11.00000	-15.00000	0.0	0.0	-0.42409	*
				2.00000	-11.00000	-15.00000	0.0	0.0	-0.52072	*
				5.00000	-11.00000	-15.00000	0.0	0.0	-0.56403	*
				8.00000	-11.00000	-15.00000	0.0	0.0	-0.53566	*
				11.00000	-11.00000	-15.00000	0.0	0.0	-0.44774	*
				14.00000	-11.00000	-15.00000	0.0	0.0	-0.33504	*
				17.00000	-11.00000	-15.00000	0.0	0.0	-0.23134	*
				20.00000	-11.00000	-15.00000	0.0	0.0	-0.15222	*
				-10.00000	-14.00000	-15.00000	0.0	0.0	-0.11541	*
				-7.00000	-14.00000	-15.00000	0.0	0.0	-0.17199	*
				-4.00000	-14.00000	-15.00000	0.0	0.0	-0.24531	*
				-1.00000	-14.00000	-15.00000	0.0	0.0	-0.32612	*
				2.00000	-14.00000	-15.00000	0.0	0.0	-0.39335	*
				5.00000	-14.00000	-15.00000	0.0	0.0	-0.42304	*
				8.00000	-14.00000	-15.00000	0.0	0.0	-0.40342	*
				11.00000	-14.00000	-15.00000	0.0	0.0	-0.34237	*
				14.00000	-14.00000	-15.00000	0.0	0.0	-0.26245	*
				17.00000	-14.00000	-15.00000	0.0	0.0	-0.18643	*
				20.00000	-14.00000	-15.00000	0.0	0.0	-0.12611	*
				-10.00000	-17.00000	-15.00000	0.0	0.0	-0.090174	*
				-7.00000	-17.00000	-15.00000	0.0	0.0	-0.12994	*
				-4.00000	-17.00000	-15.00000	0.0	0.0	-0.17893	*
				-1.00000	-17.00000	-15.00000	0.0	0.0	-0.23049	*
				2.00000	-17.00000	-15.00000	0.0	0.0	-0.27200	*
				5.00000	-17.00000	-15.00000	0.0	0.0	-0.29002	*
				8.00000	-17.00000	-15.00000	0.0	0.0	-0.27805	*
				11.00000	-17.00000	-15.00000	0.0	0.0	-0.24047	*
				14.00000	-17.00000	-15.00000	0.0	0.0	-0.18989	*
				17.00000	-17.00000	-15.00000	0.0	0.0	-0.13967	*
				20.00000	-17.00000	-15.00000	0.0	0.0	-0.09767	*
				-10.00000	-20.00000	-15.00000	0.0	0.0	-0.066905	*
				-7.00000	-20.00000	-15.00000	0.0	0.0	-0.093073	*
				-4.00000	-20.00000	-15.00000	0.0	0.0	-0.12362	*
				-1.00000	-20.00000	-15.00000	0.0	0.0	-0.15426	*
				2.00000	-20.00000	-15.00000	0.0	0.0	-0.17811	*
				5.00000	-20.00000	-15.00000	0.0	0.0	-0.18827	*
				8.00000	-20.00000	-15.00000	0.0	0.0	-0.18151	*
				11.00000	-20.00000	-15.00000	0.0	0.0	-0.16002	*
				14.00000	-20.00000	-15.00000	0.0	0.0	-0.13020	*
				17.00000	-20.00000	-15.00000	0.0	0.0	-0.099221	*
				20.00000	-20.00000	-15.00000	0.0	0.0	-0.071973	*

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist.	x	y	z	δx	δy	δH//	δHperp.	
						[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0	Base Model	1	No 11	No 11 (1)		0.0	-3.50000	0.00000	0.00000	4.6875	0.0	-4.6875	0.0
						1.0000	-4.50000	0.00000	0.00000	4.3125	0.0	-4.3125	0.0
						2.0000	-5.50000	0.00000	0.00000	3.9375	0.0	-3.9375	0.0
						3.0000	-6.50000	0.00000	0.00000	3.5625	0.0	-3.5625	0.0
						4.0000	-7.50000	0.00000	0.00000	3.1875	0.0	-3.1875	0.0
						5.0000	-8.50000	0.00000	0.00000	2.8125	0.0	-2.8125	0.0
						6.0000	-9.50000	0.00000	0.00000	2.4375	0.0	-2.4375	0.0
						7.0000	-10.50000	0.00000	0.00000	2.0625	0.0	-2.0625	0.0
						8.0000	-11.50000	0.00000	0.00000	1.6875	0.0	-1.6875	0.0
						9.0000	-12.50000	0.00000	0.00000	1.3125	0.0	-1.3125	0.0
						10.0000	-13.50000	0.00000	0.00000	0.93750	0.0	-0.93750	0.0
						11.0000	-14.50000	0.00000	0.00000	0.56250	0.0	-0.56250	0.0
						12.0000	-15.50000	0.00000	0.00000	0.18750	0.0	-0.18750	0.0
						13.0000	-16.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						14.0000	-17.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						15.0000	-18.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						16.0000	-19.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						17.0000	-20.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						18.0000	-21.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						19.0000	-22.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						20.0000	-23.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						21.0000	-24.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						22.0000	-25.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						23.0000	-26.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						24.0000	-27.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						25.0000	-28.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						26.0000	-29.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						27.0000	-30.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						28.0000	-31.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						29.0000	-32.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						30.0000	-33.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						31.0000	-34.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						32.0000	-35.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						33.0000	-36.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						34.0000	-37.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						35.0000	-38.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						36.0000	-39.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						37.0000	-40.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						38.0000	-41.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						39.0000	-42.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						40.0000	-43.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						41.0000	-44.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						42.0000	-45.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						43.0000	-46.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						44.0000	-47.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						45.0000	-48.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						46.0000	-49.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						47.0000	-50.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						48.0000	-51.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						49.0000	-52.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						50.0000	-53.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						51.0000	-54.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						52.0000	-55.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						53.0000	-56.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						54.0000	-57.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						55.0000	-58.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						56.0000	-59.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						57.0000	-60.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						58.0000	-61.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						59.0000	-62.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						60.0000	-63.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						61.0000	-64.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						62.0000	-65.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						63.0000	-66.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						64.0000	-67.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						65.0000	-68.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						66.0000	-69.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						67.0000	-70.50000	0.00000	0.00000	0.0	0.0	0.0	0.0
						68.0000	-71.500						

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist.	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δθ [deg]	δφ [deg]
						5.0000	29.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						6.0000	30.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						7.0000	31.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						8.0000	32.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						9.0000	33.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						10.0000	34.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						11.0000	35.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						12.0000	36.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						13.0000	37.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						14.0000	38.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						15.0000	39.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						16.0000	40.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						17.0000	41.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						18.0000	42.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						19.0000	43.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						20.0000	44.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						21.0000	45.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						22.0000	46.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						23.0000	47.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
						24.0000	48.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0
		7	No 14	No 14 (3)		0.0	24.70000	0.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						0.50000	24.70000	-0.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						1.00000	24.70000	-1.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						1.50000	24.70000	-1.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						2.00000	24.70000	-2.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						2.50000	24.70000	-2.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						3.00000	24.70000	-3.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						3.50000	24.70000	-3.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						4.00000	24.70000	-4.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						4.50000	24.70000	-4.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						5.00000	24.70000	-5.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						5.50000	24.70000	-5.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						6.00000	24.70000	-6.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						6.50000	24.70000	-6.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						7.00000	24.70000	-7.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						7.50000	24.70000	-7.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						8.00000	24.70000	-8.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						8.50000	24.70000	-8.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						9.00000	24.70000	-9.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						9.50000	24.70000	-9.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						10.00000	24.70000	-10.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						10.50000	24.70000	-10.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						11.00000	24.70000	-11.00000	0.00000	-0.75000	0.0	0.0	-0.75000
						11.50000	24.70000	-11.50000	0.00000	-0.75000	0.0	0.0	-0.75000
						12.00000	24.70000	-12.00000	0.00000	-0.75000	0.010553	-0.010553	-0.73816
		8	No 14	No 14 (4)		0.0	48.70000	0.00000	0.00000	0.0	0.0	0.0	0.0
						0.50000	48.70000	-0.50000	0.00000	0.0	0.0	0.0	0.0
						1.00000	48.70000	-1.00000	0.00000	0.0	0.0	0.0	0.0
						1.50000	48.70000	-1.50000	0.00000	0.0	0.0	0.0	0.0
						2.00000	48.70000	-2.00000	0.00000	0.0	0.0	0.0	0.0
						2.50000	48.70000	-2.50000	0.00000	0.0	0.0	0.0	0.0
						3.00000	48.70000	-3.00000	0.00000	0.0	0.0	0.0	0.0
						3.50000	48.70000	-3.50000	0.00000	0.0	0.0	0.0	0.0
						4.00000	48.70000	-4.00000	0.00000	0.0	0.0	0.0	0.0
						4.50000	48.70000	-4.50000	0.00000	0.0	0.0	0.0	0.0
						5.00000	48.70000	-5.00000	0.00000	0.0	0.0	0.0	0.0
						5.50000	48.70000	-5.50000	0.00000	0.0	0.0	0.0	0.0
						6.00000	48.70000	-6.00000	0.00000	0.0	0.0	0.0	0.0
						6.50000	48.70000	-6.50000	0.00000	0.0	0.0	0.0	0.0
						7.00000	48.70000	-7.00000	0.00000	0.0	0.0	0.0	0.0
						7.50000	48.70000	-7.50000	0.00000	0.0	0.0	0.0	0.0
						8.00000	48.70000	-8.00000	0.00000	0.0	0.0	0.0	0.0
						8.50000	48.70000	-8.50000	0.00000	0.0	0.0	0.0	0.0
						9.00000	48.70000	-9.00000	0.00000	0.0	0.0	0.0	0.0
						9.50000	48.70000	-9.50000	0.00000	0.0	0.0	0.0	0.0
						10.00000	48.70000	-10.00000	0.00000	0.0	0.0	0.0	0.0
						10.50000	48.70000	-10.50000	0.00000	0.0	0.0	0.0	0.0
						11.00000	48.70000	-11.00000	0.00000	0.0	0.0	0.0	0.0
						11.50000	48.70000	-11.50000	0.00000	0.0	0.0	0.0	0.0
						12.00000	48.70000	-12.00000	0.00000	0.0	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset	Dist.	x [m]	y [m]	z [m]	δz [mm]
0	Base Model	1	No 11	No 11 (1)	0.0	0.0	-3.50000	0.00000	0.00000	2.8824
						1.00000	-4.50000	0.00000	0.00000	2.6810
						2.00000	-5.50000	0.00000	0.00000	2.3567
						3.00000	-6.50000	0.00000	0.00000	1.9666
						4.00000	-7.50000	0.00000	0.00000	1.5582
						5.00000	-8.50000	0.00000	0.00000	1.1689
						6.00000	-9.50000	0.00000	0.00000	0.82607
						7.00000	-10.50000	0.00000	0.00000	0.54735
						8.00000	-11.50000	0.00000	0.00000	0.34039
						9.00000	-12.50000	0.00000	0.00000	0.20292
						10.00000	-13.50000	0.00000	0.00000	0.12274
						11.00000	-14.50000	0.00000	0.00000	0.077742
						12.00000	-15.50000	0.00000	0.00000	0.035898
						13.00000	-16.50000	0.00000	0.00000	0.0
						14.00000	-17.50000	0.00000	0.00000	0.0
						15.00000	-18.50000	0.00000	0.00000	0.0
						16.00000	-19.50000	0.00000	0.00000	0.0
					-1.00000	0.0	-3.50000	0.00000	-1.00000	0.0
						1.00000	-4.50000	0.00000	-1.00000	0.0
						2.00000	-5.50000	0.00000	-1.00000	0.0
						3.00000	-6.50000	0.00000	-1.00000	0.0
						4.00000	-7.50000	0.00000	-1.00000	0.0
						5.00000	-8.50000	0.00000	-1.00000	0.0
						6.00000	-9.50000	0.00000	-1.00000	0.0
						7.00000	-10.50000	0.00000	-1.00000	0.0
						8.00000	-11.50000	0.00000	-1.00000	0.0
						9.00000	-12.50000	0.00000	-1.00000	0.0
						10.00000	-13.50000	0.00000	-1.00000	0.0
						11.00000	-14.50000	0.00000	-1.00000	0.0
						12.00000	-15.50000	0.00000	-1.00000	0.0
						13.00000	-16.50000	0.00000	-1.00000	0.0
						14.00000	-17.50000	0.00000	-1.00000	0.0
						15.00000	-18.50000	0.00000	-1.00000	0.0
						16.00000	-19.50000	0.00000	-1.00000	0.0
					-2.00000	0.0	-3.50000	0.00000	-2.00000	0.0
						1.00000	-4.50000	0.00000	-2.00000	0.0
						2.00000	-5.50000	0.00000	-2.00000	0.0
						3.00000	-6.50000	0.00000	-2.00000	0.0
						4.00000	-7.50000	0.00000	-2.00000	0.0
						5.00000	-8.50000	0.00000	-2.00000	0.0
						6.00000	-9.50000	0.00000	-2.00000	0.0
						7.00000	-10.50000	0.00000	-2.00000	0.0
						8.00000	-11.50000	0.00000	-2.00000	0.0
						9.00000	-12.50000	0.00000	-2.00000	0.0
			</							

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[mm]	
						3.0000	27.70000	0.00000	-1.00000	0.0
						4.0000	28.70000	0.00000	-1.00000	0.0
						5.0000	29.70000	0.00000	-1.00000	0.0
						6.0000	30.70000	0.00000	-1.00000	0.0
						7.0000	31.70000	0.00000	-1.00000	0.0
						8.0000	32.70000	0.00000	-1.00000	0.0
						9.0000	33.70000	0.00000	-1.00000	0.0
						10.0000	34.70000	0.00000	-1.00000	0.0
						11.0000	35.70000	0.00000	-1.00000	0.0
						12.0000	36.70000	0.00000	-1.00000	0.0
						13.0000	37.70000	0.00000	-1.00000	0.0
						14.0000	38.70000	0.00000	-1.00000	0.0
						15.0000	39.70000	0.00000	-1.00000	0.0
						16.0000	40.70000	0.00000	-1.00000	0.0
						17.0000	41.70000	0.00000	-1.00000	0.0
						18.0000	42.70000	0.00000	-1.00000	0.0
						19.0000	43.70000	0.00000	-1.00000	0.0
						20.0000	44.70000	0.00000	-1.00000	0.0
						21.0000	45.70000	0.00000	-1.00000	0.0
						22.0000	46.70000	0.00000	-1.00000	0.0
						23.0000	47.70000	0.00000	-1.00000	0.0
						24.0000	48.70000	0.00000	-1.00000	0.0
					-2.0000	0.0	24.70000	0.00000	-2.00000	0.0
						1.0000	25.70000	0.00000	-2.00000	0.0
						2.0000	26.70000	0.00000	-2.00000	0.0
						3.0000	27.70000	0.00000	-2.00000	0.0
						4.0000	28.70000	0.00000	-2.00000	0.0
						5.0000	29.70000	0.00000	-2.00000	0.0
						6.0000	30.70000	0.00000	-2.00000	0.0
						7.0000	31.70000	0.00000	-2.00000	0.0
						8.0000	32.70000	0.00000	-2.00000	0.0
						9.0000	33.70000	0.00000	-2.00000	0.0
						10.0000	34.70000	0.00000	-2.00000	0.0
						11.0000	35.70000	0.00000	-2.00000	0.0
						12.0000	36.70000	0.00000	-2.00000	0.0
						13.0000	37.70000	0.00000	-2.00000	0.0
						14.0000	38.70000	0.00000	-2.00000	0.0
						15.0000	39.70000	0.00000	-2.00000	0.0
						16.0000	40.70000	0.00000	-2.00000	0.0
						17.0000	41.70000	0.00000	-2.00000	0.0
						18.0000	42.70000	0.00000	-2.00000	0.0
						19.0000	43.70000	0.00000	-2.00000	0.0
						20.0000	44.70000	0.00000	-2.00000	0.0
						21.0000	45.70000	0.00000	-2.00000	0.0
						22.0000	46.70000	0.00000	-2.00000	0.0
						23.0000	47.70000	0.00000	-2.00000	0.0
						24.0000	48.70000	0.00000	-2.00000	0.0
	6	No 14	No 14 (2)		0.0	0.0	24.70000	-12.00000	0.00000	0.097462
						1.0000	25.70000	-12.00000	0.00000	0.058687
						2.0000	26.70000	-12.00000	0.00000	0.0
						3.0000	27.70000	-12.00000	0.00000	0.0
						4.0000	28.70000	-12.00000	0.00000	0.0
						5.0000	29.70000	-12.00000	0.00000	0.0
						6.0000	30.70000	-12.00000	0.00000	0.0
						7.0000	31.70000	-12.00000	0.00000	0.0
						8.0000	32.70000	-12.00000	0.00000	0.0
						9.0000	33.70000	-12.00000	0.00000	0.0
						10.0000	34.70000	-12.00000	0.00000	0.0
						11.0000	35.70000	-12.00000	0.00000	0.0
						12.0000	36.70000	-12.00000	0.00000	0.0
						13.0000	37.70000	-12.00000	0.00000	0.0
						14.0000	38.70000	-12.00000	0.00000	0.0
						15.0000	39.70000	-12.00000	0.00000	0.0
						16.0000	40.70000	-12.00000	0.00000	0.0
						17.0000	41.70000	-12.00000	0.00000	0.0
						18.0000	42.70000	-12.00000	0.00000	0.0
						19.0000	43.70000	-12.00000	0.00000	0.0
						20.0000	44.70000	-12.00000	0.00000	0.0
						21.0000	45.70000	-12.00000	0.00000	0.0
						22.0000	46.70000	-12.00000	0.00000	0.0
						23.0000	47.70000	-12.00000	0.00000	0.0
						24.0000	48.70000	-12.00000	0.00000	0.0
					-1.0000	0.0	24.70000	-12.00000	-1.00000	0.0
						1.0000	25.70000	-12.00000	-1.00000	0.0
						2.0000	26.70000	-12.00000	-1.00000	0.0
						3.0000	27.70000	-12.00000	-1.00000	0.0
						4.0000	28.70000	-12.00000	-1.00000	0.0
						5.0000	29.70000	-12.00000	-1.00000	0.0
						6.0000	30.70000	-12.00000	-1.00000	0.0
						7.0000	31.70000	-12.00000	-1.00000	0.0
						8.0000	32.70000	-12.00000	-1.00000	0.0
						9.0000	33.70000	-12.00000	-1.00000	0.0
						10.0000	34.70000	-12.00000	-1.00000	0.0
						11.0000	35.70000	-12.00000	-1.00000	0.0
						12.0000	36.70000	-12.00000	-1.00000	0.0
						13.0000	37.70000	-12.00000	-1.00000	0.0
						14.0000	38.70000	-12.00000	-1.00000	0.0
						15.0000	39.70000	-12.00000	-1.00000	0.0
						16.0000	40.70000	-12.00000	-1.00000	0.0
						17.0000	41.70000	-12.00000	-1.00000	0.0
						18.0000	42.70000	-12.00000	-1.00000	0.0
						19.0000	43.70000	-12.00000	-1.00000	0.0
						20.0000	44.70000	-12.00000	-1.00000	0.0
						21.0000	45.70000	-12.00000	-1.00000	0.0
						22.0000	46.70000	-12.00000	-1.00000	0.0
						23.0000	47.70000	-12.00000	-1.00000	0.0
						24.0000	48.70000	-12.00000	-1.00000	0.0
					-2.0000	0.0	24.70000	-12.00000	-2.00000	0.0
						1.0000	25.70000	-12.00000	-2.00000	0.0
						2.0000	26.70000	-12.00000	-2.00000	0.0
						3.0000	27.70000	-12.00000	-2.00000	0.0
						4.0000	28.70000	-12.00000	-2.00000	0.0
						5.0000	29.70000	-12.00000	-2.00000	0.0
						6.0000	30.70000	-12.00000	-2.00000	0.0
						7.0000	31.70000	-12.00000	-2.00000	0.0
						8.0000	32.70000	-12.00000	-2.00000	0.0
						9.0000	33.70000	-12.00000	-2.00000	0.0
						10.0000	34.70000	-12.00000	-2.00000	0.0
						11.0000	35.70000	-12.00000	-2.00000	0.0
						12.0000	36.70000	-12.00000	-2.00000	0.0
						13.0000	37.70000	-12.00000	-2.00000	0.0
						14.0000	38.70000	-12.00000	-2.00000	0.0
						15.0000	39.70000	-12.00000	-2.00000	0.0
						16.0000	40.70000	-12.00000	-2.00000	0.0
						17.0000	41.70000	-12.00000	-2.00000	0.0
						18.0000	42.70000	-12.00000	-2.00000	0.0
						19.0000	43.70000	-12.00000	-2.00000	0.0
						20.0000	44.70000	-12.00000	-2.00000	0.0
						21.0000	45.70000	-12.00000	-2.00000	0.0
						22.0000	46.70000	-12.00000	-2.00000	0.0
						23.0000	47.70000	-12.00000	-2.00000	0.0
						24.0000	48.70000	-12.00000	-2.00000	0.0
	7	No 14	No 14 (3)		0.0	0.0	24.70000	0.00000	0.00000	0.097612
						0.5000	24.70000	-0.50000	0.00000	0.097612
						1.0000	24.70000	-1.00000	0.00000	0.097612
						1.5000	24.70000	-1.50000	0.00000	0.097612
						2.0000	24.70000	-2.00000	0.00000	0.097612
						2.5000	24.70000	-2.50000	0.00000	0.097612
						3.0000	24.70000	-3.00000	0.00000	0.097612
						3.5000	24.70000	-3.50000	0.00000	0.097612
						4.0000	24.70000	-4.00000	0.00000	0.097612
						4.5000	24.70000	-4.50000	0.00000	0.097612
						5.0000	24.70000	-5.00000	0.00000	0.097612
						5.5000	24.70000	-5.50000	0.00000	0.097612
						6.0000	24.70000	-6.00000	0.00000	0.097612
						6.5000	24.70000	-6.50000	0.00000	0.097612
						7.0000	24.70000	-7.00000		

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset	Dist. [m]	x [m]	y [m]	z [mm]	δz
						9.5000	24.7000	-9.5000	0.0000	0.097612
						10.0000	24.7000	-10.0000	0.0000	0.097612
						10.5000	24.7000	-10.5000	0.0000	0.097612
						11.0000	24.7000	-11.0000	0.0000	0.097612
						11.5000	24.7000	-11.5000	0.0000	0.097612
						12.0000	24.7000	-12.0000	0.0000	0.097462
					-1.0000	0.0	24.7000	0.0000	-1.0000	0.0
						0.5000	24.7000	-0.5000	-1.0000	0.0
						1.0000	24.7000	-1.0000	-1.0000	0.0
						1.5000	24.7000	-1.5000	-1.0000	0.0
						2.0000	24.7000	-2.0000	-1.0000	0.0
						2.5000	24.7000	-2.5000	-1.0000	0.0
						3.0000	24.7000	-3.0000	-1.0000	0.0
						3.5000	24.7000	-3.5000	-1.0000	0.0
						4.0000	24.7000	-4.0000	-1.0000	0.0
						4.5000	24.7000	-4.5000	-1.0000	0.0
						5.0000	24.7000	-5.0000	-1.0000	0.0
						5.5000	24.7000	-5.5000	-1.0000	0.0
						6.0000	24.7000	-6.0000	-1.0000	0.0
						6.5000	24.7000	-6.5000	-1.0000	0.0
						7.0000	24.7000	-7.0000	-1.0000	0.0
						7.5000	24.7000	-7.5000	-1.0000	0.0
						8.0000	24.7000	-8.0000	-1.0000	0.0
						8.5000	24.7000	-8.5000	-1.0000	0.0
						9.0000	24.7000	-9.0000	-1.0000	0.0
						9.5000	24.7000	-9.5000	-1.0000	0.0
						10.0000	24.7000	-10.0000	-1.0000	0.0
						10.5000	24.7000	-10.5000	-1.0000	0.0
						11.0000	24.7000	-11.0000	-1.0000	0.0
						11.5000	24.7000	-11.5000	-1.0000	0.0
						12.0000	24.7000	-12.0000	-1.0000	0.0
					-2.0000	0.0	24.7000	0.0000	-2.0000	0.0
						0.5000	24.7000	-0.5000	-2.0000	0.0
						1.0000	24.7000	-1.0000	-2.0000	0.0
						1.5000	24.7000	-1.5000	-2.0000	0.0
						2.0000	24.7000	-2.0000	-2.0000	0.0
						2.5000	24.7000	-2.5000	-2.0000	0.0
						3.0000	24.7000	-3.0000	-2.0000	0.0
						3.5000	24.7000	-3.5000	-2.0000	0.0
						4.0000	24.7000	-4.0000	-2.0000	0.0
						4.5000	24.7000	-4.5000	-2.0000	0.0
						5.0000	24.7000	-5.0000	-2.0000	0.0
						5.5000	24.7000	-5.5000	-2.0000	0.0
						6.0000	24.7000	-6.0000	-2.0000	0.0
						6.5000	24.7000	-6.5000	-2.0000	0.0
						7.0000	24.7000	-7.0000	-2.0000	0.0
						7.5000	24.7000	-7.5000	-2.0000	0.0
						8.0000	24.7000	-8.0000	-2.0000	0.0
						8.5000	24.7000	-8.5000	-2.0000	0.0
						9.0000	24.7000	-9.0000	-2.0000	0.0
						9.5000	24.7000	-9.5000	-2.0000	0.0
						10.0000	24.7000	-10.0000	-2.0000	0.0
						10.5000	24.7000	-10.5000	-2.0000	0.0
						11.0000	24.7000	-11.0000	-2.0000	0.0
						11.5000	24.7000	-11.5000	-2.0000	0.0
						12.0000	24.7000	-12.0000	-2.0000	0.0
						0.0	48.7000	0.0000	0.0000	0.0
						0.5000	48.7000	-0.5000	0.0000	0.0
						1.0000	48.7000	-1.0000	0.0000	0.0
						1.5000	48.7000	-1.5000	0.0000	0.0
						2.0000	48.7000	-2.0000	0.0000	0.0
						2.5000	48.7000	-2.5000	0.0000	0.0
						3.0000	48.7000	-3.0000	0.0000	0.0
						3.5000	48.7000	-3.5000	0.0000	0.0
						4.0000	48.7000	-4.0000	0.0000	0.0
						4.5000	48.7000	-4.5000	0.0000	0.0
						5.0000	48.7000	-5.0000	0.0000	0.0
						5.5000	48.7000	-5.5000	0.0000	0.0
						6.0000	48.7000	-6.0000	0.0000	0.0
						6.5000	48.7000	-6.5000	0.0000	0.0
						7.0000	48.7000	-7.0000	0.0000	0.0
						7.5000	48.7000	-7.5000	0.0000	0.0
						8.0000	48.7000	-8.0000	0.0000	0.0
						8.5000	48.7000	-8.5000	0.0000	0.0
						9.0000	48.7000	-9.0000	0.0000	0.0
						9.5000	48.7000	-9.5000	0.0000	0.0
						10.0000	48.7000	-10.0000	0.0000	0.0
						10.5000	48.7000	-10.5000	0.0000	0.0
						11.0000	48.7000	-11.0000	0.0000	0.0
						11.5000	48.7000	-11.5000	0.0000	0.0
						12.0000	48.7000	-12.0000	0.0000	0.0
						0.0	48.7000	0.0000	-1.0000	0.0
						0.5000	48.7000	-0.5000	-1.0000	0.0
						1.0000	48.7000	-1.0000	-1.0000	0.0
						1.5000	48.7000	-1.5000	-1.0000	0.0
						2.0000	48.7000	-2.0000	-1.0000	0.0
						2.5000	48.7000	-2.5000	-1.0000	0.0
						3.0000	48.7000	-3.0000	-1.0000	0.0
						3.5000	48.7000	-3.5000	-1.0000	0.0
						4.0000	48.7000	-4.0000	-1.0000	0.0
						4.5000	48.7000	-4.5000	-1.0000	0.0
						5.0000	48.7000	-5.0000	-1.0000	0.0
						5.5000	48.7000	-5.5000	-1.0000	0.0
						6.0000	48.7000	-6.0000	-1.0000	0.0
						6.5000	48.7000	-6.5000	-1.0000	0.0
						7.0000	48.7000	-7.0000	-1.0000	0.0
						7.5000	48.7000	-7.5000	-1.0000	0.0
						8.0000	48.7000	-8.0000	-1.0000	0.0
						8.5000	48.7000	-8.5000	-1.0000	0.0
						9.0000	48.7000	-9.0000	-1.0000	0.0
						9.5000	48.7000	-9.5000	-1.0000	0.0
						10.0000	48.7000	-10.0000	-1.0000	0.0
						10.5000	48.7000	-10.5000	-1.0000	0.0
						11.0000	48.7000	-11.0000	-1.0000	0.0
						11.5000	48.7000	-11.5000	-1.0000	0.0
						12.0000	48.7000	-12.0000	-1.0000	0.0
						0.0	48.7000	0.0000	-2.0000	0.0
						0.5000	48.7000	-0.5000	-2.0000	0.0
						1.0000	48.7000	-1.0000	-2.0000	0.0
						1.5000	48.7000	-1.5000	-2.0000	0.0
						2.0000	48.7000	-2.0000	-2.0000	0.0
						2.5000	48.7000	-2.5000	-2.0000	0.0
						3.0000	48.7000	-3.0000	-2.0000	0.0
						3.5000	48.7000	-3.5000	-2.0000	0.0
						4.0000	48.7000	-4.0000	-2.0000	0.0
						4.5000	48.7000	-4.5000	-2.0000	0.0
						5.0000	48.7000	-5.0000	-2.0000	0.0
						5.5000	48.7000	-5.5000	-2.0000	0.0
						6.0000	48.7000	-6.0000	-2.0000	0.0
						6.5000	48.7000	-6.5000	-2.0000	0.0
						7.0000	48.7000	-7.0000	-2.0000	0.0
						7.5000	48.7000	-7.5000	-2.0000	0.0
						8.0000	48.7000	-8.0000	-2.0000	0.0
						8.5000	48.7000	-8.5000	-2.0000	0.0
						9.0000	48.7000	-9.0000	-2.0000	0.0
						9.5000	48.7000	-9.5000	-2.0000	0.0
						1				

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				[m]	[m]	[m]	[%]	[%]	[%]	[m]						
0	Base Model	1	No 11	No 11 (1)	0.0	0.0	0.0033724	0.037500	0.040322	-374.86E-6	408.24E-6	7290.6	0 (Negligible)			
						2	3.5573	11.443	None	0.0063119	0.029307	0.038890	-374.86E-6	408.24E-6	14458.0	0 (Negligible)
						3	15.000	1.0000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	16.000	None	0.0	0.029297	0.029297	-374.86E-6	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	16.000	None	0.0	0.029297	0.029297	-374.86E-6	0.0	0.0	0 (Negligible)
					0.0	1	0.0	3.5573	None	0.0033724	0.037500	0.040322	-374.86E-6	408.24E-6	7290.6	0 (Negligible)
						2	3.5573	11.443	None	0.0063119	0.029307	0.038890	-374.86E-6	408.24E-6	14458.0	0 (Negligible)
						3	15.000	1.0000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	16.000	None	0.0	0.029297	0.029297	-374.86E-6	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	16.000	None	0.0	0.029297	0.029297	-374.86E-6	0.0	0.0	0 (Negligible)
					0.0	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					0.0	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	11.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					0.0	1	0.0	0.98394	None	0.0	0.037500	0.037500	-374.86E-6	38.782E-6	29679.0	0 (Negligible)
						2	0.98394	4.0161	None	0.0010176	0.0094875	0.010427	-374.86E-6	55.360E-6	44197.0	0 (Negligible)
						3	5.0000	19.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	24.000	None	0.0	0.0031250	0.0031250	-374.86E-6	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	24.000	None	0.0	0.0031250	0.0031250	-374.86E-6	0.0	0.0	0 (Negligible)
					0.0	1	0.0	1.0105	None	20.331E-6	0.036927	0.036933	-369.14E-6	58.666E-6	25294.0	0 (Negligible)
						2	1.0105	2.9895	None	0.0012948	0.012209	0.013143	-368.75E-6	58.666E-6	41172.0	0 (Negligible)
						3	4.0000	20.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	24.000	None	0.0	0.0030757	0.0030756	-369.14E-6	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	24.000	None	0.0	0.0030757	0.0030756	-369.14E-6	0.0	0.0	0 (Negligible)
					0.0	1	0.0	10.500	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
						2	10.500	1.5000	None	6.6538E-6	-703.50E-6	140.73E-6	21.106E-6	299.43E-9	1.3359E+6	0 (Negligible)
					-1.0000	1	0.0	12.000	None	0.0	-87.938E-6	17.560E-6	21.106E-6	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	12.000	None	0.0	-87.938E-6	17.560E-6	21.106E-6	0.0	0.0	0 (Negligible)
					0.0	1	0.0	12.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-1.0000	1	0.0	12.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)
					-2.0000	1	0.0	12.000	None	0.0	0.0	35.763E-9	0.0	0.0	0.0	0 (Negligible)

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

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

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset From Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0	Base Model	1	No 11	No 11 (1)	0.0	0.0063119	0.037500	408.24E-6	2.8824	0.040322	-374.86E-6	408.24E-6	-	-	0 (Negligible)
					-1.0000	0.0	0.029297	0.0	0.0	0.029297	-374.86E-6	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.029297	0.0	0.0	0.029297	-374.86E-6	0.0	-	-	0 (Negligible)
					0.0	0.0063119	0.037500	408.24E-6	2.8824	0.040322	-374.86E-6	408.24E-6	-	-	0 (Negligible)
					-1.0000	0.0	0.029297	0.0	0.0	0.029297	-374.86E-6	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.029297	0.0	0.0	0.029297	-374.86E-6	0.0	-	-	0 (Negligible)
					0.0	0.0	0.0	0.0	2.8824	35.763E-9	0.0	0.0	-	-	0 (Negligible)
					-1.0000	0.0	0.0	0.0	0.0	35.763E-9	0.0	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.0	0.0	0.0	35.763E-9	0.0	0.0	-	-	0 (Negligible)
					0.0	0.0010176	0.037500	55.360E-6	0.097612	0.037500	-374.86E-6	55.360E-6	-	-	0 (Negligible)
					-1.0000	0.0	0.0031250	0.0	0.0	0.0031250	-374.86E-6	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.0031250	0.0	0.0	0.0031250	-374.86E-6	0.0	-	-	0 (Negligible)
					0.0	0.0012948	0.036927	58.666E-6	0.097462	0.036933	-369.14E-6	58.666E-6	-	-	0 (Negligible)
					-1.0000	0.0	0.0030757	0.0	0.0	0.0030756	-369.14E-6	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.0030757	0.0	0.0	0.0030756	-369.14E-6	0.0	-	-	0 (Negligible)
					0.0	6.6538E-6	-703.50E-6	299.43E-9	0.097612	140.73E-6	21.106E-6	299.43E-9	-	-	0 (Negligible)
					-1.0000	0.0	-87.938E-6	0.0	0.0	17.560E-6	21.106E-6	0.0	-	-	0 (Negligible)
					-2.0000	0.0	-87.938E-6	0.0	0.0	17.560E-6	21.106E-6	0.0	-	-	0 (Negligible)
					0.0	0.0	0.0	0.0	0.0	35.763E-9	0.0	0.0	-	-	0 (Negligible)
					-1.0000	0.0	0.0	0.0	0.0	35.763E-9	0.0	0.0	-	-	0 (Negligible)
					-2.0000	0.0	0.0	0.0	0.0	35.763E-9	0.0	0.0	-	-	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Building

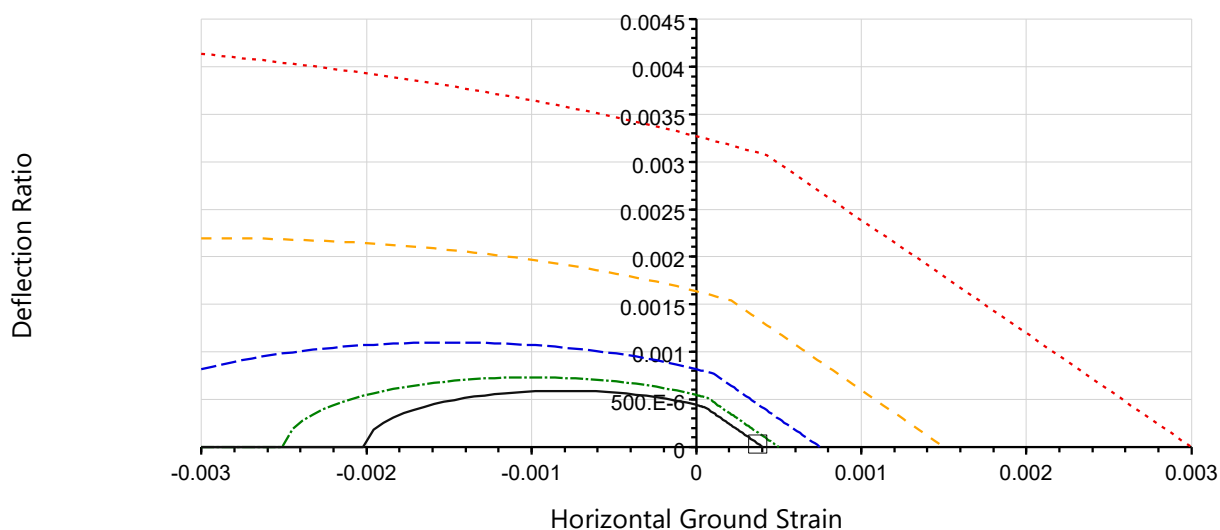
Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Parameter	Critical Sub-Building	Critical Segment	Start [m]	End [m]	Curvature	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0	Base Model	0	No 11	Max Slope	No 11 (1)	1	0.0	3.5573	Sagging	408.24E-6	2.8824	0.040322	-	7290.6	0 (Negligible)
				Max Settlement	No 11 (1)	1	0.0	3.5573	Sagging	408.24E-6	2.8824	0.040322	-	7290.6	0 (Negligible)
				Max Tensile Strain	No 11 (1)	1	0.0	3.5573	Sagging	408.24E-6	2.8824	0.040322	-	7290.6	0 (Negligible)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-
				Max Slope	No 14 (2)	1	0.0	1.0105	Sagging	58.666E-6	0.097462	0.036933	-	25294.0	0 (Negligible)
				Max Settlement	No 14 (1)	1	0.0	0.98394	Sagging	38.782E-6	0.097612	0.037500	-	29679.0	0 (Negligible)
				Max Tensile Strain	No 14 (1)	1	0.0	0.98394	Sagging	38.782E-6	0.097612	0.037500	-	29679.0	0 (Negligible)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-

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Specific Building - Damage Interaction Chart

Stage: Base model, Specific Building 1: No 11/No 11 (1), O/S: 0.000m, Uncomb. Segs, Seg 1 (length 3.557m)

- - - Cat. 0 (Negligible) to 1 (Very Slight)
- - - Cat. 1 (Very Slight) to 2 (Slight)
- - - Cat. 2 (Slight) to 3 (Moderate)
- - - Cat. 3 (Moderate) to 4 (Severe)
- Max Strains (-0.002016) (0.000403)
- Result (0.000375, 0.000034 - Cat. 0)

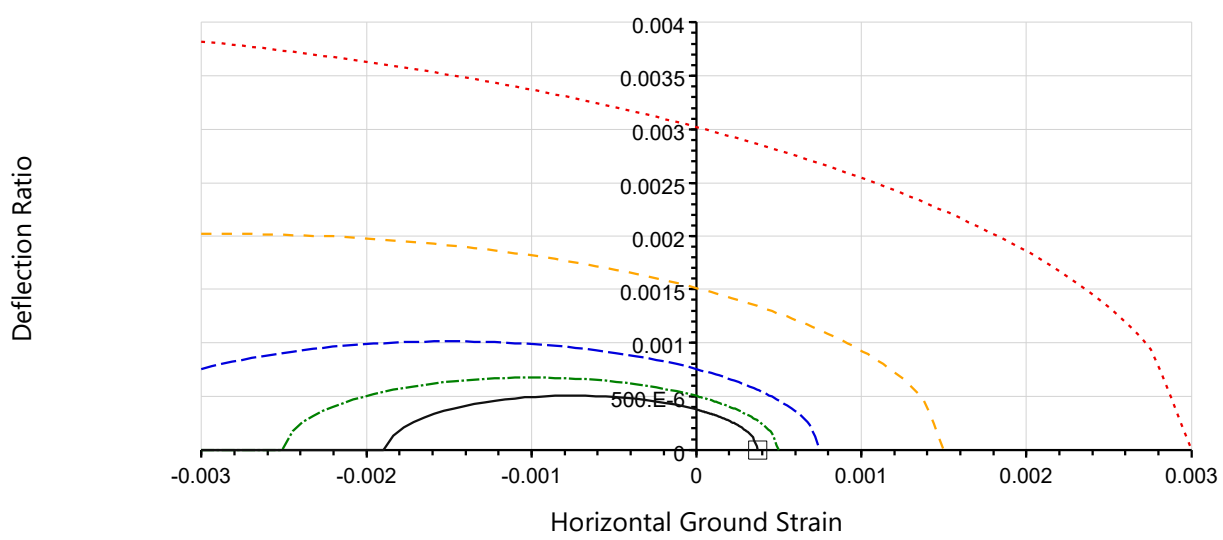


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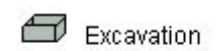
Specific Building - Damage Interaction Chart

Stage: Base model, Specific Building 5: No 14/No 14 (1), O/S: 0.000m, Uncomb. Segs, Seg 1 (length 0.984m)

- - - Cat. 0 (Negligible) to 1 (Very Slight)
- - - Cat. 1 (Very Slight) to 2 (Slight)
- - - Cat. 2 (Slight) to 3 (Moderate)
- - - Cat. 3 (Moderate) to 4 (Severe)
- Max Strains (-0.001875) (0.000375)
- Result (0.000375, 0.000000 - Cat. 0)



Legend





Excavation



Polyline

Building Results

-  < Sensitivity
-  Cat. 0 (Negligible)
-  Cat. 1 (Very Slight)
-  Cat. 2 (Slight)
-  Cat. 3 (Moderate)
-  Cat. 4 (Severe)

-  Displacement Grids
-  Displacement Lines

