



Software licensed to

Job No

Sheet No

1

Rev

Part

Job Title

Ref

By

Date 03-May-21

Chd

Client

File Jacket Assignment.std

Date/Time 03-May-2021 23:30

Beam Displacement Detail Summary

Displacements shown in italic indicate the presence of an offset

	Beam	L/C	d (m)	X (mm)	Y (mm)	Z (mm)	Resultant (mm)
Max X	26	5: Collapse	13.937	7.025	-2.642	-1.778	7.714
Min X	25	5: Collapse	13.869	-17.823	-6.341	-11.313	22.042
Max Y	18	5: Collapse	0.000	0.000	0.000	0.000	0.000
Min Y	25	5: Collapse	23.115	-6.824	-7.010	-8.723	13.107
Max Z	19	5: Collapse	20.753	-4.973	-1.837	1.795	5.597
Min Z	31	5: Collapse	16.260	6.060	-4.108	-14.736	16.455
Max Rst	25	5: Collapse	16.180	-17.707	-6.405	-11.706	22.171

Beam Force Detail Summary

Sign convention as diagrams:- positive above line, negative below line except Fx where positive is compression. Distance d is given from beam end A.

	Beam	L/C	d (m)	Axial Fx (kN)	Shear Fy (kN)	Fz (kN)	Torsion Mx (kNm)	Bending My (kNm)	Mz (kNm)
Max Fx	22	5: Collapse	0.000	3.9E+3	-274.228	-367.511	70.865	427.047	-16.135
Min Fx	21	5: Collapse	23.115	461.941	-52.499	94.493	-25.113	1.61E+3	701.633
Max Fy	114	5: Collapse	0.000	2.76E+3	196.467	-532.890	67.970	443.456	594.582
Min Fy	22	5: Collapse	2.512	3.87E+3	-276.972	-367.511	70.865	-496.314	676.303
Max Fz	18	5: Collapse	0.000	2.68E+3	-187.868	276.317	-86.725	-229.258	192.731
Min Fz	114	5: Collapse	0.000	2.76E+3	196.467	-532.890	67.970	443.456	594.582
Max Mx	22	5: Collapse	0.000	3.9E+3	-274.228	-367.511	70.865	427.047	-16.135
Min Mx	18	5: Collapse	0.000	2.68E+3	-187.868	276.317	-86.725	-229.258	192.731
Max My	21	5: Collapse	23.115	461.941	-52.499	94.493	-25.113	1.61E+3	701.633
Min My	25	5: Collapse	23.115	717.216	-53.553	-94.719	15.283	-1.62E+3	708.878
Max Mz	31	5: Collapse	23.229	773.226	-125.892	31.560	-15.946	563.552	1.93E+3
Min Mz	31	5: Collapse	0.000	1.03E+3	-90.183	31.560	-15.946	-169.555	-583.478