



Software licensed to Microsoft

Job No

Sheet No

**1**

Rev

Part

Job Title

Ref

By

Date 03-May-21

Chd

Client

File jacket\_assignment.std

Date/Time 04-May-2021 10:17

## 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	47	5:collapse	9.292	<b>9.594</b>	-2.473	-1.870	10.082
Min X	45	5:collapse	9.246	<b>-21.113</b>	-6.750	-11.017	24.752
Max Y	105	5:collapse	0.000	0.000	<b>0.000</b>	0.000	0.000
Min Y	45	5:collapse	0.000	-8.202	<b>-7.526</b>	-7.494	13.419
Max Z	78	5:collapse	20.753	-5.841	-1.909	<b>2.977</b>	6.828
Min Z	48	5:collapse	6.969	7.026	-4.104	<b>-16.539</b>	18.432
Max Rst	45	5:collapse	6.934	-21.101	-6.815	-11.425	<b>24.944</b>

## 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	105	5:collapse	0.000	<b>4.1E+3</b>	-343.881	-472.328	79.735	452.759	34.001
Min Fx	47	5:collapse	0.000	<b>462.569</b>	124.542	-34.183	3.803	590.895	1.89E+3
Max Fy	48	5:collapse	0.000	754.144	<b>125.798</b>	32.425	-20.186	-570.896	1.9E+3
Min Fy	108	5:collapse	2.525	2.99E+3	<b>-352.514</b>	-109.753	-3.479	-32.337	1.09E+3
Max Fz	106	5:collapse	0.000	2.94E+3	-318.928	<b>363.592</b>	-90.486	-222.981	100.042
Min Fz	105	5:collapse	0.000	4.1E+3	-343.881	<b>-472.328</b>	79.735	452.759	34.001
Max Mx	105	5:collapse	0.000	4.1E+3	-343.881	-472.328	<b>79.735</b>	452.759	34.001
Min Mx	106	5:collapse	0.000	2.94E+3	-318.928	363.592	<b>-90.486</b>	-222.981	100.042
Max My	45	5:collapse	0.000	688.580	54.396	-96.875	9.899	<b>1.62E+3</b>	716.567
Min My	46	5:collapse	0.000	475.013	53.758	96.444	-26.124	<b>-1.61E+3</b>	713.448
Max Mz	48	5:collapse	0.000	754.144	125.798	32.425	-20.186	-570.896	<b>1.9E+3</b>
Min Mz	48	5:collapse	23.229	987.056	92.859	32.425	-20.186	182.308	<b>-641.906</b>