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Cool! I'am really happy

#Markus Jensen



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so many fake sites. this is the first one which worked! Many thanks

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TEST PROJECT		Revision	A
Job No:	22813	Project:	SA
Prepared By:	GD	Date:	06/06/2015
Checked By:	GD		

Member: **PORTAL FRAME NO 1**

DIAGRAM

PORTAL FRAME DATA:

Clear height 'H' (m)	8.0
Span of frame 'S' (m)	8.0
Frame opening 'O' (m)	7.0
Restrained diaphragm	Yes

LOADING:

Sheeting and insulation (kN/m ²)	0.22
Roofing (kN/m ²)	0.07
Frame self weight (kN/m ²)	0.18
Services (kN/m ²)	0.15
Imposed Load (kN/m ²)	0.60
Other (kN/m ²)	0.00
Total factored wind load (kN/m ²)	1.15
Total factored roof load (kN/m ²)	13.80

SUGGESTED MEMBER SIZES:

Roof:	407x202x18 UB
Stanchion:	602x229x113 UB
Moment:	533x229x82 UB

NOTE:

- Wind load is based on ground roughness category 2 with a basic wind speed of up to 51m/s. Where dominant openings exist the results should be treated as advisory.
- See page 10, 11, 12.
- Roof pitch is 4°.
- Roof 'head' is the total factored dead load (including self weight) and factored imposed load.
- Equivalent mass can be used for modal analysis design for earthquake ground motion.
- Results can be used for single open frames. Effect of imposed loads provided a suitable vertical column is used (see comment).
- Calculations are based on Appendix A in SCI Publication P152. Design of single open steel portal frames to BS 5951:2000.

Spreadsheet provided by: www.YourSpreadsheets.co.uk calculations are based on SCI Publication P152.

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