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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
Member:	PORTAL FRAME NO 1	Date:	06/06/2015
Prepared By:	GD	Checked By:	GD

PORTAL FRAME DATA:	
Eaves height 'H' (m) ±	8.0
Span of frame 'S' (m) ±	30.0
Frame opening 'O' (m) ±	7.0
Restrained diaphragm	Yes

LOADING:	
Sheeting and insulation (kN/m ²) ±	0.22
Ruflers (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) ±	11.81
Total factored load on rafter (kN/m ²) ±	13.80

SUGGESTED MEMBER SIZES:	
Rafter:	407x252x76 UB
Stanchion:	630x229x113 UB
Rufler:	533x220x42 UB

NOTE:
1) 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.
2) See page 10-11.
3) Height up to 10% of the span of the frame.
4) Roof pitch 4°.
5) Rafter fixed to the base. Factor dead load (including self weight) and factored imposed load.
6) Equivalent mass can be used for wind direction design for unbraced frames only.
7) Results can be used for wind speed factor of imposed loads provided a suitable safety factor is used (see comment).
8) Calculations are based on Appendix A in SCI Publication P152. Design of single span 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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