

STANDING STRUCTURES

PAUL STANDING BEng (Hons) IEng MICE
 Structural & Civil Engineering Consultant
 Tel: 07973-289605
 Email: paul.standing@standingstructures.co.uk

DESIGN LOADING CRITERIA

		Page 1 of 1		
Project Ref:	28 Parnell Close, Chafford Hundred, Essex, RM16 6BQ			
Job Ref:	SS0929 - Appendix 1.0			
Description	Permanent Load (kN/m ²)	Variable Load (kN/m ²)	Total (SLS)	Notes
Existing pitched trussed roof				
Clay tiles, timber battens & felt	0.70			
Timber truss members @ 600c/c	0.25			
Plaster & skim coat	0.13			
Insulation & services	0.15		1.23	
Variable Load (Domestic)		1.50	1.50	
Variable Load (Snow - pitched roof)		0.60	0.60	
Existing 1st floor Floor build-up				
Finishes	0.15			
18mm tongue & groove boarding	0.15			
Engineered timber joists (310 deep at 400crs)	0.25			
Plaster ceiling	0.15			
Services	0.05		0.75	
Variable load (domestic)		1.50	1.50	
Existing external wall (facing brick) - m² x H				
External brickwork (102.5mm) - 21kN/m ³	2.15			
Insulation & services	0.10			
Blockwork (100mm), 10kN/m ³	1.00			
Plasterboard and skim coat (13mm)	0.15		3.40	x H
Proposed flat roof to rear extension (conservatory roof replacement)				
Joists (Timber flat roof rafters)	0.15			
Plywood boarding x 2	0.30			
Plasterboard (12.5mm + skim coat)	0.15			
GRP finishes	0.25			
Insulation	0.10			
Services	0.05		1.00	
Variable Load (reduced access)		0.75	0.75	