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	Project No	Example	Sht. No.	2 of 16
	Site Address	Example		
	Subject	Extension and alteration works – Supporting Calculations		
	Engineer	Peter V	Date:	

TYPICAL DOMESTIC LOADINGS:

	<u>Dead</u>	<u>Live</u>
<u>Roof incl. attic at 35° slope</u>		
Tiles (0.65kN/m ²) + rafters ,felt , insulation (0.30kN/m ²) + plasterboard(0.25kN/m ²)	<u>1.41kN/m²</u>	
Attic (0.25kN/m ²) + Snow at 35° slope (0.50kN/m ²)		<u>0.75kN/m²</u>
<u>Roof at 25° slope (no attic)</u>		
Tiles (0.65kN/m ²) + rafters ,felt , insulation (0.30kN/m ²) + plasterboard(0.25kN/m ²)	<u>1.30kN/m²</u>	
Snow at 25° slope (0.70kN/m ²)		
<u>Flat roof</u>		
Joists ,boards ,timbers (0.50kN/m ²) + plasterboard(0.25kN/m ²)	<u>0.75kN/m²</u>	
Snow at up to 10° slope (0.60kN/m ²)		<u>0.60kN/m²</u>
<u>Floor (Domestic)</u>		
Joists & boards (0.25kN/m ²) + plasterboard(0.25kN/m ²)	<u>0.50kN/m²</u>	
Imposed (people or furniture)		<u>1.50kN/m²</u>
<u>Walls:</u>		
2.7m high (100bwk +100block) cavity wall + plasterboard one side (0.25kN/m ²)	<u>12.05kN/m</u>	
2.7m solid bwk (225mm bkW) + plasterboard one side (0.25kN/m ²)	<u>12.75kN/m</u>	
2.4m high dormer wall (0.65kN/m ² tiles) + plasterboard, studs, insulation(0.45kN/m ²)	<u>2.64kN/m</u>	
2.4m high 100mm blockwork (15kN/m ³) + plasterboard both sides (0.25kN/m ²)	<u>4.80kN/m</u>	
2.7m high 100mm brickwork (20kN/m ³) + plasterboard both sides (0.25kN/m ²)	<u>6.65kN/m</u>	
2.4m high studwork (0.15kN/m ²) + plasterboard both sides (0.15kN/m ²)	<u>1.08kN/m</u>	

NOTE: For Building Regulations Submission only, not for ordering materials. Principal Contractor is responsible for taking measurements on site, preparing construction drawings and safely erecting the proposed structural works. Team Design is not responsible for site supervision.

IF IN DOUBT - ASK!