Check vertical deflection - Section 2.5.2

Consider deflection due to dead and imposed loads

Limiting deflection δ_{lim} = **2** mm; Maximum deflection; δ = **0.057** mm

PASS - Maximum deflection does not exceed deflection limit

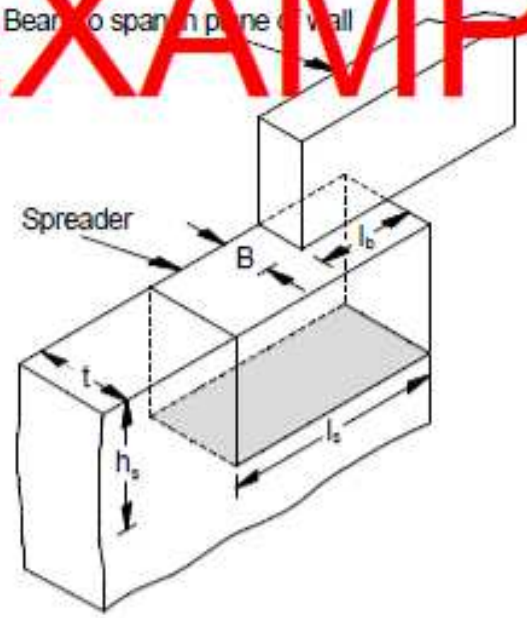
For Beam "G" use steel section 1No 203 x 203 UC 46kg/m

BEAM "G" MASONRY BEARING DESIGN TO BS5628-1:2005

TEDDS calculation version 1.0.04

Masonry details

Masonry type;	**Clay or calcium silicate bricks**		
Compressive strength;	p_{unit} = **5.0** N/mm^2;	Mortar designation;	**iii**
Masonry units;	**Category II**;	Construction control;	**Normal**
Partial safety factor;	γ_m = **3.5**;	Characteristic strength;	f_k = **2.5** N/mm^2
Leaf thickness;	t = **215** mm;	Effective wall thickness;	t_{ef} = **215** mm
Wall height;	h = **2400** mm;	Effective height of wall;	h_{ef} = **2400** mm



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!