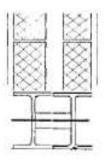


Project No	Example		Sht. No.	8of 16
Site Address	Example			
Subject	Extension and alteration works - Supporting Calculations			
Engineer	Peter V	Date:	-	28



For Beam "A" use steel section 2No 178 x 102 UB 19kg/m bolted together with M16 bolts grade 8.8 + 48.3mm dia. scaffold tube spacers at 600mm c/c. with space between the steel section to suit the cavity width.

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

Masonry details

Masonry type;

Compressive strength;

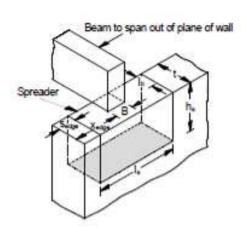
Masonry units;

Partial safety factor;

Leaf thickness;

Wall height;

Clay or calcium silicate bricks $p_{unit} = 5.0 \text{ N/mm}^2; \qquad \text{Mortar designation}; \qquad \text{iii} \\ \text{Category II}; \qquad \text{Construction control}; \qquad \text{Normal} \\ \gamma_m = 3.5; \qquad \text{Characteristic strength}; \qquad f_k = 2.5 \text{ N/mm}^2 \\ t = 100 \text{ min} \qquad \text{Exective vs. this kness}; \qquad t_{ef} = 100 \text{ mm} \\ \text{in 2400 min} \qquad \text{Effective neighborhoods} \qquad h_{ef} = 3.82 \text{ mass}$



NOTE: For Building Regulations Submission only, <u>not</u> 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.