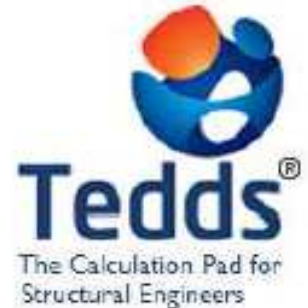


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	Project No	Example	Sht. No.	1 of 16
	Site Address	Example		
	Subject	Extension and alteration works – Supporting Calculations		
	Engineer	Peter V	Date:	

DESIGN STANDARDS AND CODES

- BS5950 – Structural use of steelwork in buildings
- BS5628 – Code of practice for the use of masonry
- BS5268 – Structural use of timber
- BS648 – Schedule of weights of Building Materials
- BS6399 – Loading for Buildings



GENERAL NOTES:

1. Design is in accordance with the Architect’s or Client’s provided site drawings and with British Standards and Codes of Practice where relevant. These calculations are carried out in order for structural member sizes to be determined only. The existing structure must be surveyed by the building contractor/fabricator prior to fabrication of any structural members. The building contractor is responsible for the ultimate fit of the structure on site and its temporary stability during construction. Eng. bearing calculations are based on there being no cracked, loose or damaged masonry at the support locations and any such defects should be reported to the engineer prior to installation of the steelwork. Any work carried out on site prior to Full Building Regulation Approval is at the Contractors’ & Clients’ own risk.
2. All beams/lintels to have a minimum bearing of 150mm (when parallel to supporting wall) or greater if stated otherwise and consider minimum bearing of 215 long 2 Course Eng. Bwk Padstone if not stated otherwise.
3. Note that any assumptions made in this paper are only to contribute to easier calculations of the loads on the structure and are not in any kind compromising the safety of the structural design.
4. It is a client responsibility to check if any of the building works fall under Party Wall Act
5. To be read in conjunction with Architect’s drawings

Note: For the design of beams A, B, C & D refer to Team Design Structural Calculations with reference BD2014-CDB-104. The beams designed in this document are only new beam "A" (short section over hallway) and beam G supporting this beam A, padstones and cleat connection.

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PLANS/STRUCTURAL LAYOUT 3

CALCULATIONS 4

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!