

Health and Safety

- As part of the design process the following risks have been identified for the contractor.
- Elements designed in these calculations are heavier than the manual handling limit of 25 Kg and therefore the contractor will have to assess the lifting requirements.
- Contractor to be responsible to ensure that all works are carried out in a safe and workmanlike manner, to provide satisfactory temporary propping to maintain the stability of all the existing structural elements throughout the duration of the proposed works.
- Any walls that are supporting steelwork that are found not to be load bearing masonry or of poor construction should be reported to the Engineer.

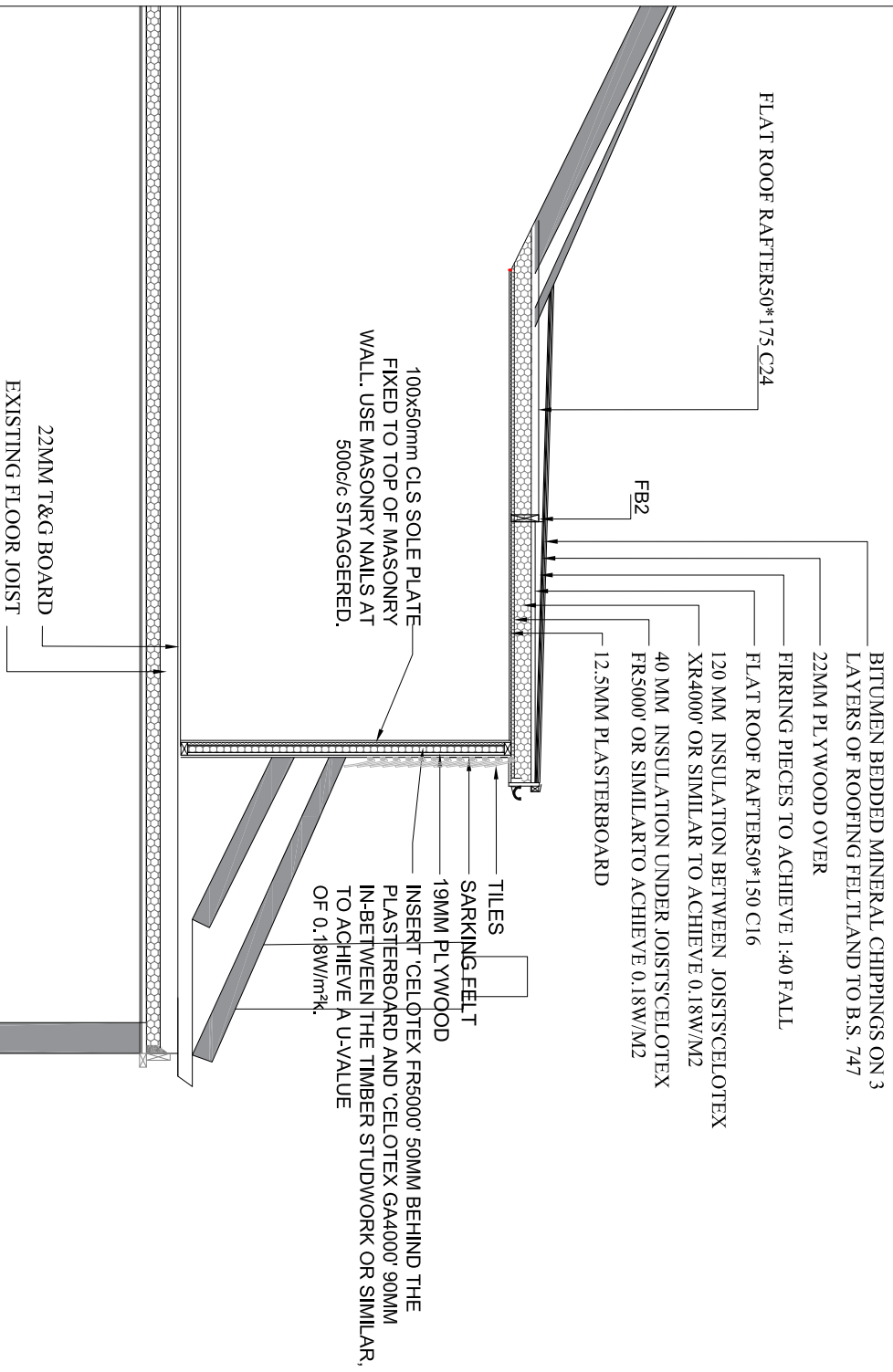
Steelwork

- Steelwork contractor must verify all dimensions on site before commencing any work or making any shop drawings. No dimensions to be scaled from drawings. Any discrepancies must be reported to the Engineer.
- All steel beams where seated on masonry to have concrete padstones beneath beam ends. Padstones based on engineering calculation and to match width of wall. Concrete to all pad stones to have a minimum strength of 30 N/mm². Steel beams to have a minimum end bearing of 150mm where span of beam is parallel to wall unless noted otherwise on the details.
- Steelwork to be Mild Steel Grade S275, wire brushed to remove all oil, rust, mill scale etc. and painted with two coats of Zinc Phosphate or similar approved.
- New steel beams to be encased in 12.5mm Gyproc Fireline board with staggered joints. Gyproc FireCase or painted in Nullifire S or similar Intumescent paint to provide 1/2 hour fire resistance as agreed with Building Control. All fire protection to be installed as detailed by specialist manufacturer.

Provide 30mm x 2.5mm 1200mm stainless steel straps @2000 centres to perimeter walls. Straps to span over 3 joists. All new joists to be supported on stainless steel hangers. All new structural timbers to be treated and stress graded. Provide 2No. timber joists bolted together with M12 bolts at 600c/c under all partitions. The contractor shall check all dimensions and levels on site prior to ordering the materials and to inform the engineer for any discrepancy. Appropriate notice must be served prior to commencement of works. Do not scale from drawing. All new work to comply with current building regulations.

STRAPPING FOR PITCHED ROOF

Gable walls should be strapped to roofs at 2m centres. All external walls running parallel to roof rafters to be restrained at roof level using 1000mm x 30mm x 5mm galvanised mild steel horizontal straps or other approved to BSEN 845-1 built into walls at max 2000mm centres and to be taken across minimum 3 rafters and screw fixed. Provide solid noggins between rafters at strap positions. All wall plates to be 100 x 50mm fixed to inner skin of cavity wall using 30mm x 5mm x 1000mm galvanised metal straps or other approved to BSEN 845-1 at maximum 2m centres.



PROPOSED SECTION B-B

1. THE CONTRACTOR MUST CHECK ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK
2. ALL WORK MUST CONFORM TO CURRENT BUILDING REGULATIONS, BRITISH STANDARDS & CODES OF PRACTICE AND NHBC STANDARDS
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES

NOTE:

PROJECT TITLE: LOFT CONVERSION

CLIENT: STEWART BRANNAN

ADDRESS: 18 BELSIZE PARK, LONDON

TITLE: PROPOSED SECTION B-B

DRAWING NO: 07

REV:

DRAWN BY: H.D.

Date: JUNE 2017

SCALE: 1:50@ A3