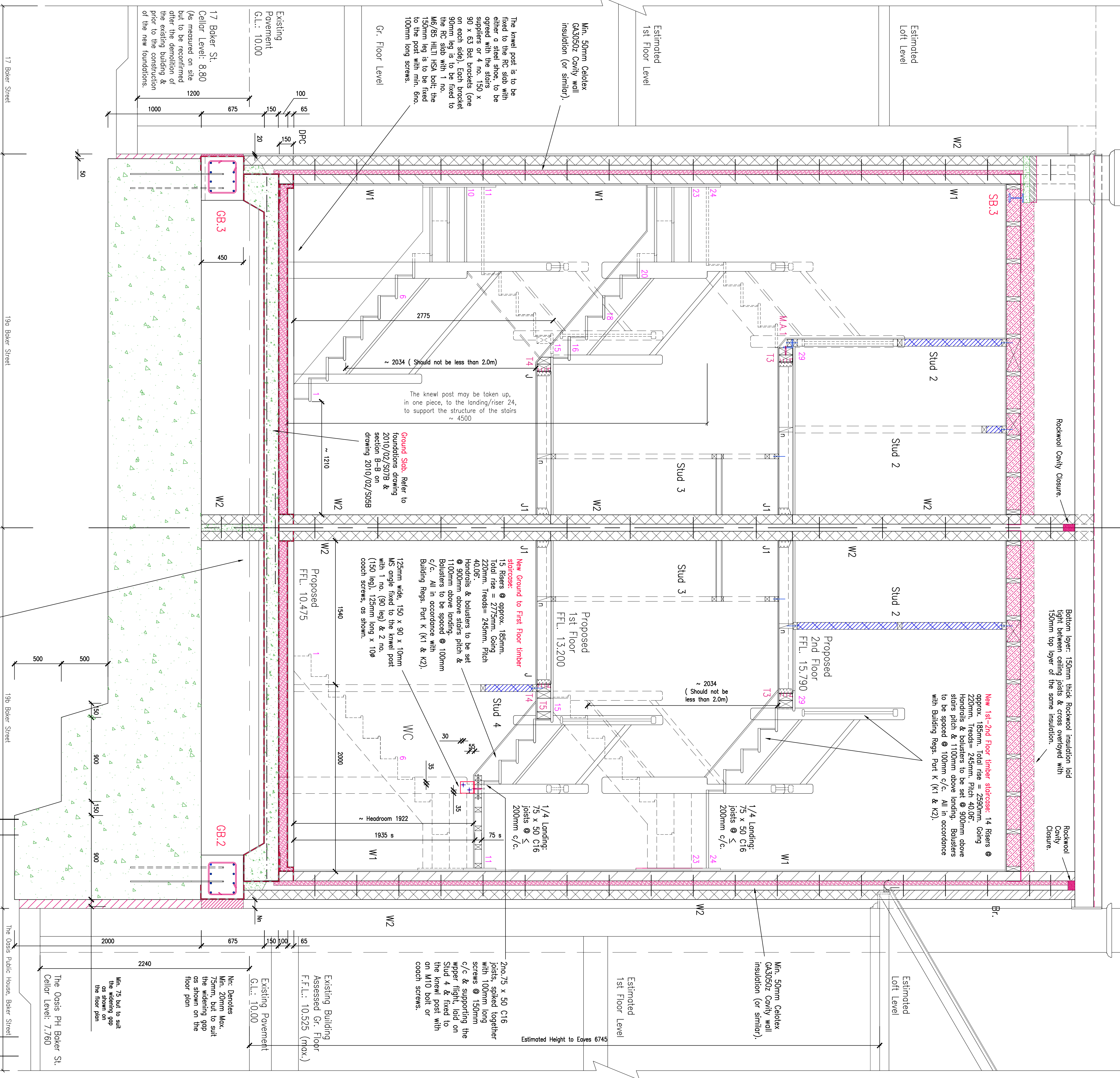
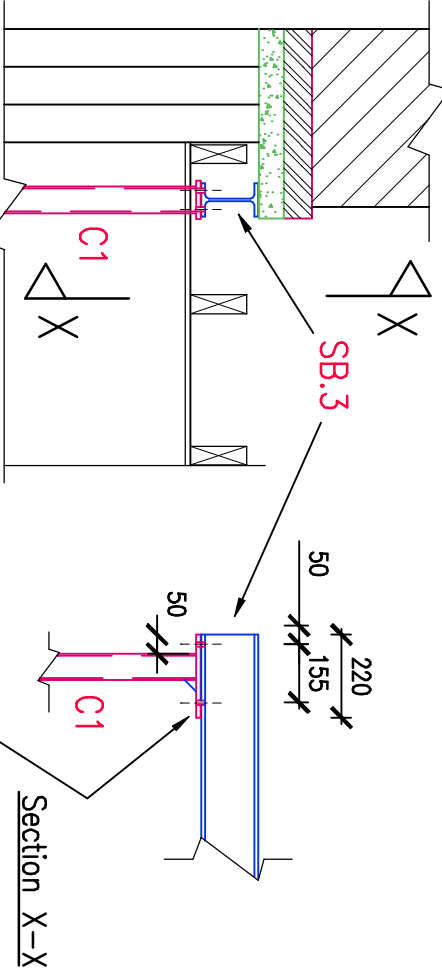


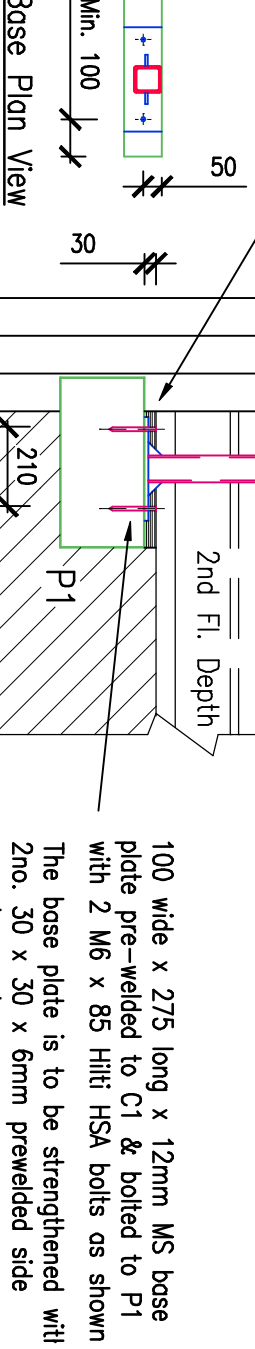
The existing chimney structure, built against the gable wall of 17 Baker St., is to be carefully dismantled & salvaged for reuse. The false chimney is to be reconstructed using the salvaged chimney posts, brick cornices & brickwork. The chimney structure is to be built on 12 no. 100 x 65 prestressed concrete inlets, laid side by side & in composite construction with min. one course of 35 N/mm² eng bricks & 1:3 mortar. The inlets are to be partly laid on the new cavity wall & partly on the steel beam SB3 as shown. The existing chimney's upper 2.5m in particular should be photographed & when dismantled, is to be stored in marked boxes for later reconstruction.



SECTION A-A SCALE 1:20



Plywood sheaths or former boilers, shot fire fixed to P1 to make up levels.



100 wide x 275 long x 12mm MS base plate pre-welded to C1 & bolted to P1 with 2 M6 x 85 HIH HSA bolts as shown. The base plate is to be strengthened with 2no. 30 x 50 x 6mm prewelded side gussets as shown.

Bottom layer: 150mm thick Rockwool insulation laid tight between ceiling joists & cross overlaid with 150mm top layer of the same insulation.

New 1st-2nd Floor timber staircase: 14 Risers @ approx. 185mm. Total rise = 2590mm. Going 220mm. Treads = 245mm. Pitch 40.06°. Handrails & balusters to be set @ 900mm above stairs pitch & 1100mm above landing. Balusters to be spaced @ 100mm c/c. All in accordance with Building Regs. Part K (K1 & K2).

1/4 Landing: joists @ ≤ 200mm c/c.

1/4 Landing: 75 x 50 C16 joists @ ≤ 200mm c/c.

New Ground to First Floor timber staircase: 15 Risers @ approx. 185mm. Total rise = 2775mm. Going 220mm. Treads = 245mm. Pitch 40.06°. Handrails & balusters to be set @ 900mm above stairs pitch & 1100mm above landing. Balusters to be spaced @ 100mm c/c. All in accordance with Building Regs. Part K (K1 & K2).

125mm wide, 150 x 90 x 10mm MS angle fixed to the kneel post with 1 no. (90 leg) & 2 no. (150 leg) 125mm long x 10g coach screws, as shown.

Ground slab. Refer to foundations drawing 2010/02/S07B & section B-B on drawing 2010/02/S05B

The kneel post may be taken up, in one piece, to the landing/riser 24, to support the structure of the stairs ~ 4500

The kneel post is to be fixed to the RC slab with either a steel shoe, to be agreed with the stairs suppliers or 4 no. 130 x 90 x 63 Bat brackets (one on each side). Each bracket 90mm leg is to be fixed to the RC slab with 1 no. M6/85 HIH HSA bolt. The 150mm leg is to be fixed to the post with min. 6no. 100mm long screws.

GROUND PREPARATION: The existing building is to be demolished & the brick ground floor structure is to be broken & removed & the ground level reduced to reach the proposed slab formation level. The ground is to be stripped of all organic matter & top soil & reduced to reach the natural firm clayey sand stratum. The exposed ground formation level is to be examined by the engineer to determine if further excavation is needed to reach a reasonable soil stratum & if the use of granular fill to reach up levels is necessary. The exposed soil is to be treated with a proprietary weed killer & consolidated with a vibrating plate. In any case the builder should allow a provisional cost for digging poor soils & for filling holes to make up levels. The contingency cost should be worked out to be the equivalent of digging 150mm further down beyond the sand blinding formation level & the supply & placing of minimum of 150mm MOT type 2 granular fill, in 2 layers & for consolidating the same to refusal with a mechanical wacker plate.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ENG. DMC, 2010/02/S04B & S07B (Also Containing the General Notes) & THE B.R. DMC 02 & 03, TOGETHER WITH THE CONSTRUCTION NOTES DOCUMENT.

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Project:	<p>PROPOSED NEW HOUSES @ 19a-19b BAKER STREET READING RG1 7XT</p>
Title:	<p>SECTION A-A SHOWING LEVELS SETTING OUT & STRUCTURE BUILDING REGULATIONS DETAILS</p>
Drawn:	JBS
Date:	Mar. 2010
Scale:	1:20
Drng. No.:	2010/02/S04B