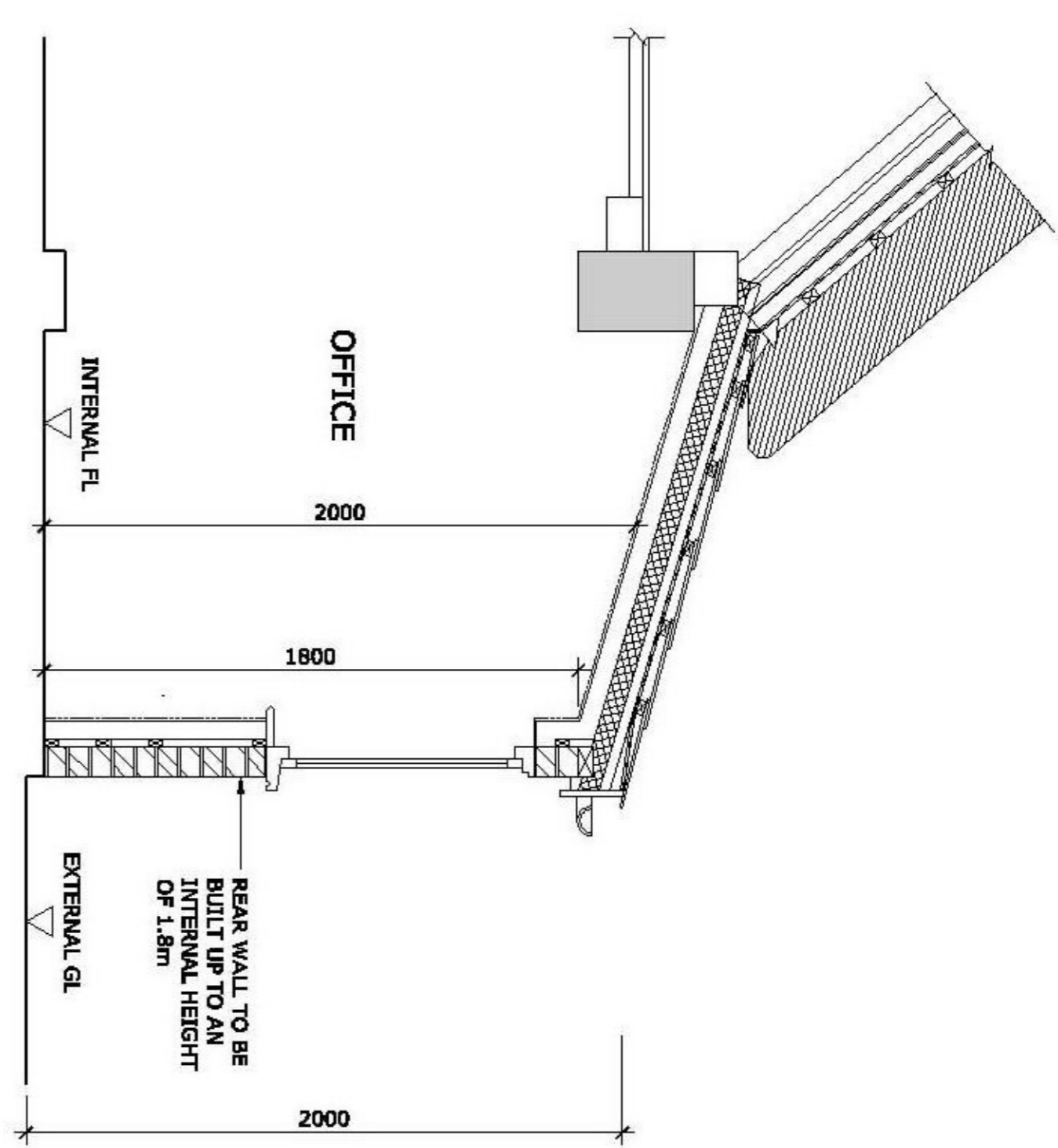


SECTION A-A  
SCALE 1:20



SECTION B-B  
SCALE 1:20

**FLAT ROOF**

(Note: 'U' value 0.18 W/m<sup>2</sup>.K)

The roof to have a black single ply roofing membrane installed in accordance with chosen manufacturers instructions. Finish topped up with minimum 150mm. Cold 3' lead flashing to be provided to all abutments where specified. Flashing felt to be laid on 125mm thick Celotex TD 4000 rigid foam board (thermal conductivity 0.019 W/mK). Laid with ply over slope up to eaves and staggered joints. Joints (using 20mm gap between 40mm x 40mm sheets) to be sealed with a proprietary sealant. Boards fixed in accordance with manufacturers instructions together with all necessary timber bents and fillers etc.) over existing timber joists (regulibrated) at existing cross centres. All pieces to provide full of minimum 50mm in 5m. All existing roof timber to be treated with proprietary preservative. Ensure existing roof joists and wall plates are strapped to internal blockwork side with 30mm x 2.5mm galvanised mild steel L straps at maximum 1.2m cross centres and joists strapped to gable walls by 30mm x 5mm galvanised mild steel L straps at 1.2m max. centres fixed to 3 No. joists and fixed to existing wall. New calling to be plasterboard thickness 9.5mm for joists at maximum 400mm centres otherwise 12mm, finished with 5mm plaster finish coat.

Note: Provide moisture resistant plasterboard (Type 3 BS1230) finish to internal walls and ceilings of kitchen, bathroom and shower room etc.

**SUSPENDED PRE-CAST GROUND FLOOR**

(U value 0.22 W/m<sup>2</sup>.K)

Constructed of 65mm thick 1:3 cement:sharp sand screed (Reinforced with D49 Mesh middle - 100 mm. lap) on 70mm Celotex GA4000 insulation, with 20mm thick Celotex TB4000 insulation to perimeter of screed (all in accordance with the manufacturers instructions), on 3 coats of RIV painted DPM on 150mm thick PC beam and block/blank floor to specialist design and manufacture, built into internal skin and/or internal brick sleeper walls on DPC, built on foundations. Provide MIN 225mm void below PC floor (in accordance with NHBC requirements). (Note:- If external ground level is higher than internal ground level, provide 50mm GEN1 concrete blinding on 120g polythene bonded to inner skin with 3 coats of RIV all united with DPC). Ventilation of new floor to be provided by proprietary 225x75mm air bricks set 2.0m c/c in external/sleeper walls. Provide telescopic vent ducts between floor void and air bricks.

NOTE : CONTRACTOR TO PROVIDE LOCAL AUTHORITY WITH CALCULATIONS FOR P.C. FLOOR, AND OBTAIN APPROVAL BEFORE COMMENCING WORK ON SITE.

**FACING BRICK FINISH FULL FILL CAVITY WALL**

(U Value of 0.28W/m<sup>2</sup>.K)

New cavity wall to comprise of 103mm suitable facing brick to extend a minimum of 2 courses below ground level. Full fill cavity with 75mm Isover CVS 36. Inner leaf to be 100mm 3.6W/m<sup>2</sup> Celcon standard grade block. Walls to be built with 1:1:6 cement mortar. Walls to be built of hybrid or similar approved DPC positioned a minimum of 150mm above external ground level. Brick cavities below ground level to be filled with lean mix concrete to 225mm below DPC. DPC's and DPM's are to be bonded together over internal leaf. All new works to be properly tied to existing. 150mm wide vertical DPC's and insulated cavity doors to be provided to reveals of all doors and windows. Cavity wall insulation is to be contiguous with roof insulation, to avoid cold bridging. Internal wall surfaces to be finished with 12.5mm Gyproc wallboard fixed to blockwork using Gyproc Dryliver basic system. Provide brick reinforcement to reveals less than 550mm.

REFER TO DRAWING 53404/B/101 FOR PROPOSED GROUND FLOOR PLAN

| REV | DATE | DESCRIPTION | DRAWN | CHECKED |
|-----|------|-------------|-------|---------|
|     |      |             |       |         |

**REVISIONS**

The drawing is to be used in conjunction with all other Designer's drawings and all other project information. Any discrepancy between the drawings and other project information is to be reported to the Contract Administrator immediately.



Project  
**THE THATCH COTTAGE**  
WIX ROAD  
BRADFELD  
CO11 2UX

Title  
**PROPOSED SECTIONS**  
**(PRIVATE WORKS)**

Client  
**MR & MRS DORAN**

| Scale       | Drawn      | Date       |
|-------------|------------|------------|
| 1:50 @ A1   | J.BAKER    | MAY 2021   |
| Job Manager | Checked    | Approved   |
| R. WINDLER  | R. WINDLER | R. WINDLER |

**Richard Jackson Building Consultants**

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 1 The Old Church, St. Nicholas Road, WINDSOR, WILTSHIRE, WILTS, SN4 1JF  
 THE WINDSORIAN, 202B HILL, BRADFELD, WILTSHIRE, WILTS, SN11 2JF

Drawing No.  
**53404/B/102**

Drawing Status  
 INFORMATION  
 APPROVAL  
 CONSTRUCTION  
 AS CONSTRUCTED  
 TENDER  
 COSTING