

### STRUCTURAL STEELWORK

All structural steelworks and timber to have a minimum of 1/2 hr fire resistance provided by either intumescent paint or and 2No layers of 12.5mm Gyproc fireline

Client to organize skip hire, contractor to dispose of all debris and refuse and leave site at a repeatable state after works.

All new internal doors shown to match existing, match existing ironmongery. Client to confirm. Provide SW skirting to all new details created.

### DAMP PROOF COURSES

Horizontal and vertical dpcs to BS743. Damcor or equal approved insulating vertical dpcs to all openings, min 150mm wide.

### BEAMS AND LINTELS

Provide IG ltd galvanized steel insulated lintels with dpc over.

### ALL EXISTING LEVELS AND ANGLES ARE TO BE CONFIRMED ON SITE

All existing walls assumed to have a 75mm cavity. To be confirmed on site prior to lintels etc. being ordered.

Provide cavity trays and weep holes as necessary to steel lintels. Cavity trays to have stop ends.

Refer to structural Engineers details for beams and padstones supporting floor, walls and roof.

## GROUND FLOOR 1:50

### Drawing Notes

1. all dimensions are in millimeters unless noted otherwise. DO NOT SCALE FROM DRAWING
2. this drawing is to be read in conjunction with all other relevant architects and engineers drawings.
3. contractor to check all dimensions and levels on site before work commences and report any discrepancies or variations to the architect or engineer immediately.
4. all works shall be in accordance with the technical specification and written manufacturer's recommendations.
5. all works are to be carried out in accordance with the approved method statement and use of appropriate ppe.
6. a written method statement shall be issued specifying how the works are to be safely undertaken.
7. contractors are to visit the site before tendering to familiarize themselves with all aspects of the proposals.
8. the successful contractor will be responsible for obtaining from site all information necessary for the satisfactory execution and completion of the works.

## Proposed Details

Proposed Side Double Storey Extension | Status: Planning | Scales: as shown | Date: 01/07/2011 | Revision: 0

### FOUNDATIONS

Concrete trench fill foundations to be min. 600mm wide to cavity walls. To be minimum 1200mm below ground level, all in accordance with approved documents and NHBC requirements, including practice note 3 All Foundation work to be approved by the Building Inspector. Foundation walls to be cavity walls built in engineering bricks below ground level with plastic approved dpc to BS743

### DRAINAGE- SURFACE WATER (BELOW GROUND)

To be half round or Deepflow UPVC gutters as appropriate into 69mm dia UPVC discharge pipes either:

- a) Hard paved areas - trapped back inlet gullies with pipes discharging below level of gratings. Gullies to be coupled to rodding access points
- b) In soft soil areas - into easy bend via rubber adaptor as Terrain or similar approved

Taken via 100mm drain system into existing system

1 Lintel to be Catnic CU 90/100 SWL = 29KN

### HEATING AND HOT WATER

Existing Central heating system to be extended to include new extension. Design temperature of 21 °C to be achieved in all new rooms when external ambient temperature is -10 °C Hot water to be instantaneous. All pipework to be small bore copper tube and visible pipe drops to be kept to a minimum.

### ELECTRICS

Existing electric incoming supply to be checked. The electrician is to provide copies of certificates of Qualification and certificate of system compliance in accordance with Part P of the Building Regulations at the completion of the work.

### ELECTRICAL SWITCHES AND SOCKETS

Switches and socket outlets for lighting and other equipment in habitable rooms shall be located between 450mm and 1200mm from FFL

### WINDOWS AND DOORS

To match existing. Glazing to be generally 24mm double glazed units (4mm outer pane/16mm air gap /4mm inner pane) with a low emissivity (en 0.10)argon filled., WINDOWS TO ACHIEVE A MIN U VALUE OF 1.8 W/M2K.

Opening lights to windows to be a min. of 1/20th floor area of which some part is 1750mm above finished floor level. Window dimensions indicated on plan. Windows to habitable rooms to be fitted with trickle ventilators providing an area of not less than 8000sq. mm. Openings to be controllable.

### EXTERNAL CAVITY WALL CONSTRUCTION

Outer and inner leaf to be Celcon Hi-seven or similar approved blockwork. 100mm cavity with 50mm Kingspan Kooltherm K8 Cavity Boards. Inner leaf to be with 12.5mm Gyproc plasterboard on dabs with skim coat finish. Engineering bricks to be used below DPC in both leaves.

In all areas external walls to receive 19mm 2 coat render to match existing, incorporating movement joints as detailed and positioned on the drawings. Provide render stop beads at openings in walls and bell mouthed stop beads at ground DPC level, all to match existing detail

WALL CONSTRUCTION TO ACHIEVE A MIN U VALUE OF 0.30 W/M2K.

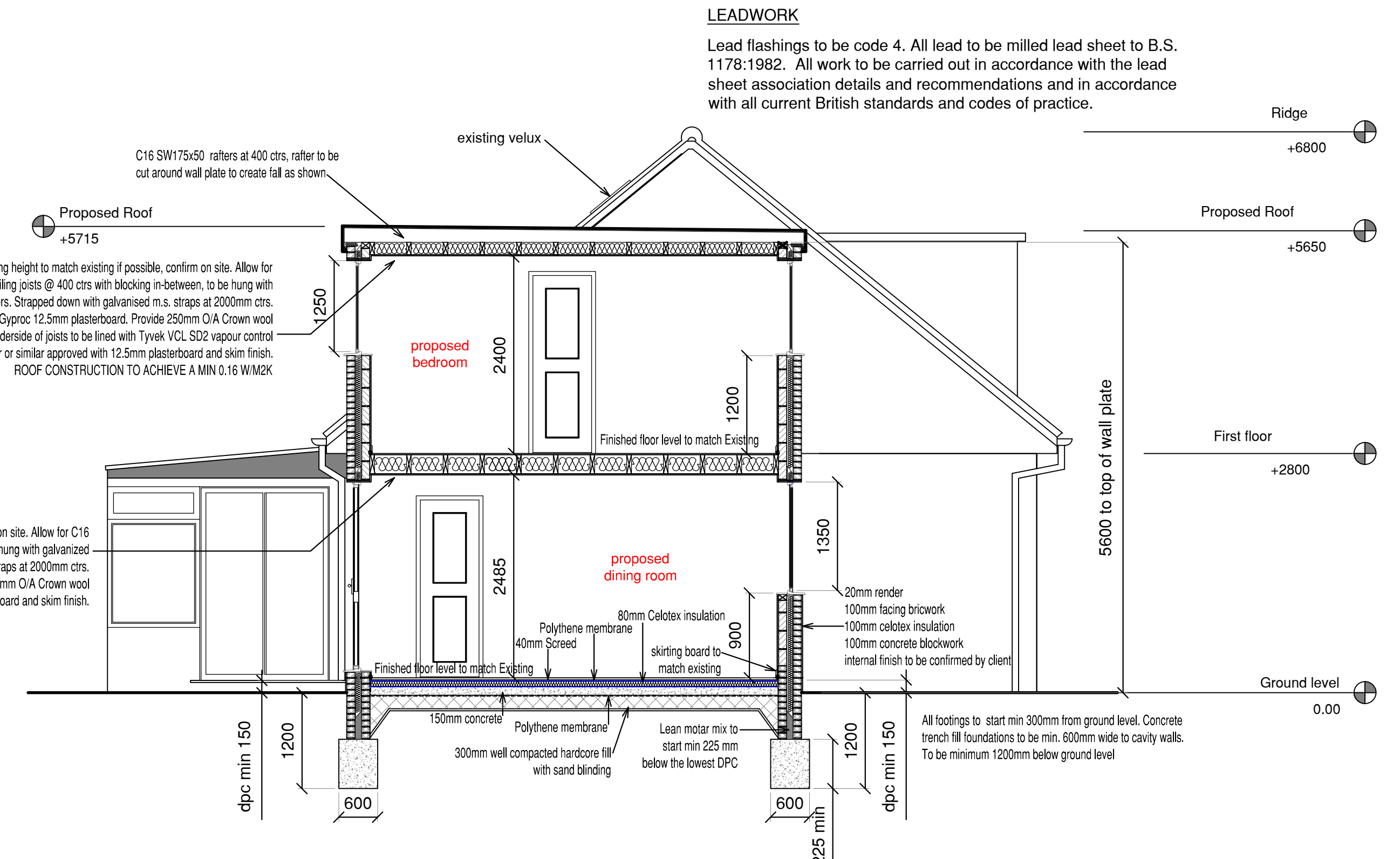
Code 4 lead flashings and cavity trays to all abutments, including full cavity tray and weep/vents @ max 1.5m c/cs at the flat roof abutment. Min 3No.

### LEADWORK

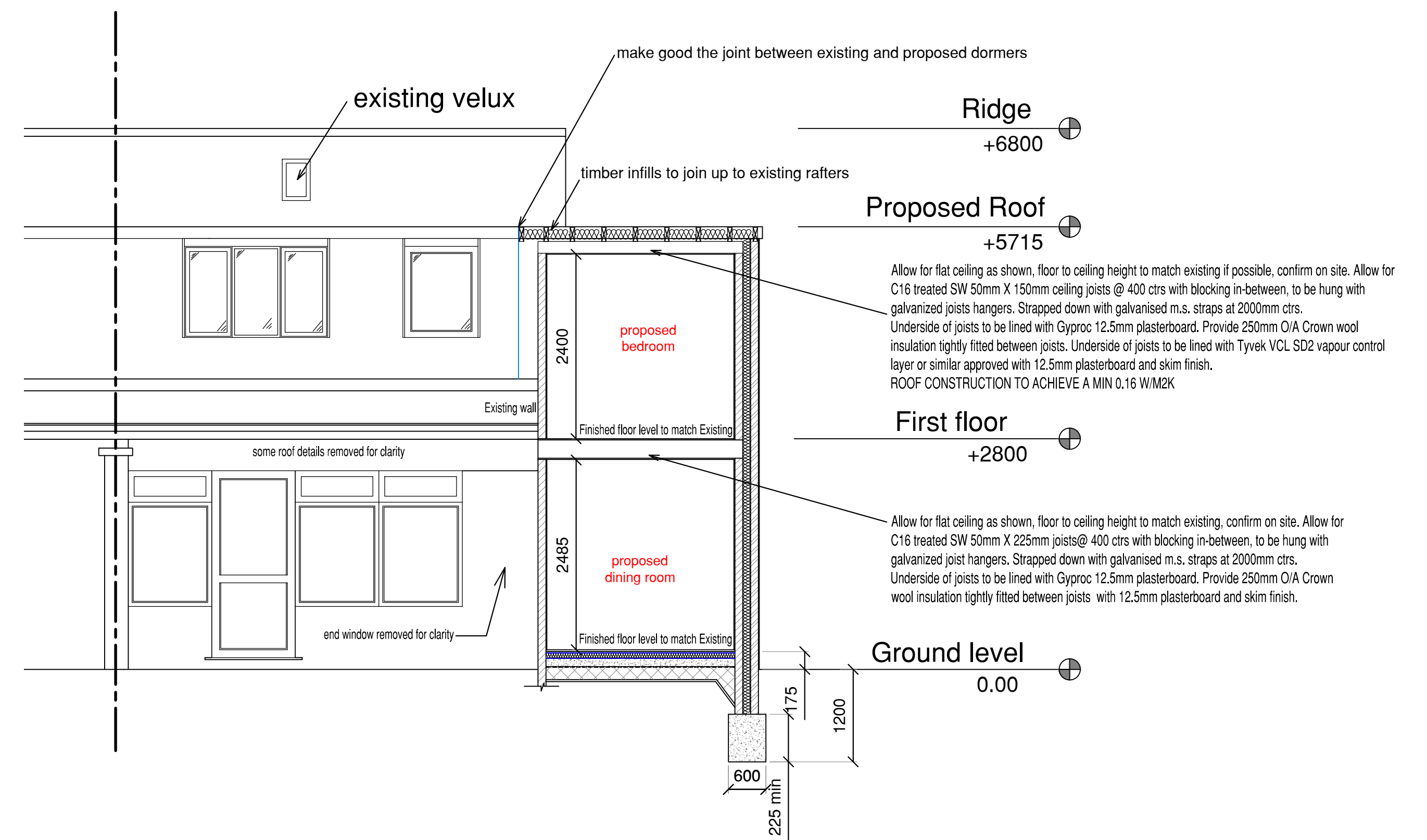
Lead flashings to be code 4. All lead to be milled lead sheet to B.S. 1178:1982. All work to be carried out in accordance with the lead sheet association details and recommendations and in accordance with all current British standards and codes of practice.

Allow for flat ceiling as shown, floor to ceiling height to match existing if possible, confirm on site. Allow for C16 treated SW 50mm X 150mm ceiling joists @ 400 ctrs with blocking in-between, to be hung with galvanized joist hangers. Strapped down with galvanised m.s. straps at 2000mm ctrs. Underside of joists to be lined with Gyproc 12.5mm plasterboard. Provide 250mm O/A Crown wool insulation tightly fitted between joists. Underside of joists to be lined with Tyvek VCL SD2 vapour control layer or similar approved with 12.5mm plasterboard and skim finish. ROOF CONSTRUCTION TO ACHIEVE A MIN 0.16 W/M2K

Allow for flat ceiling as shown, floor to ceiling height to match existing, confirm on site. Allow for C16 treated SW 50mm X 225mm joists @ 400 ctrs with blocking in-between, to be hung with galvanized joist hangers. Strapped down with galvanised m.s. straps at 2000mm ctrs. Underside of joists to be lined with Gyproc 12.5mm plasterboard. Provide 250mm O/A Crown wool insulation tightly fitted between joists with 12.5mm plasterboard and skim finish.



## SECTION A-A 1:50



## SECTION B-B 1:50

Client:

**Youcad**

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Designer: M.Baker YouCad.co.uk