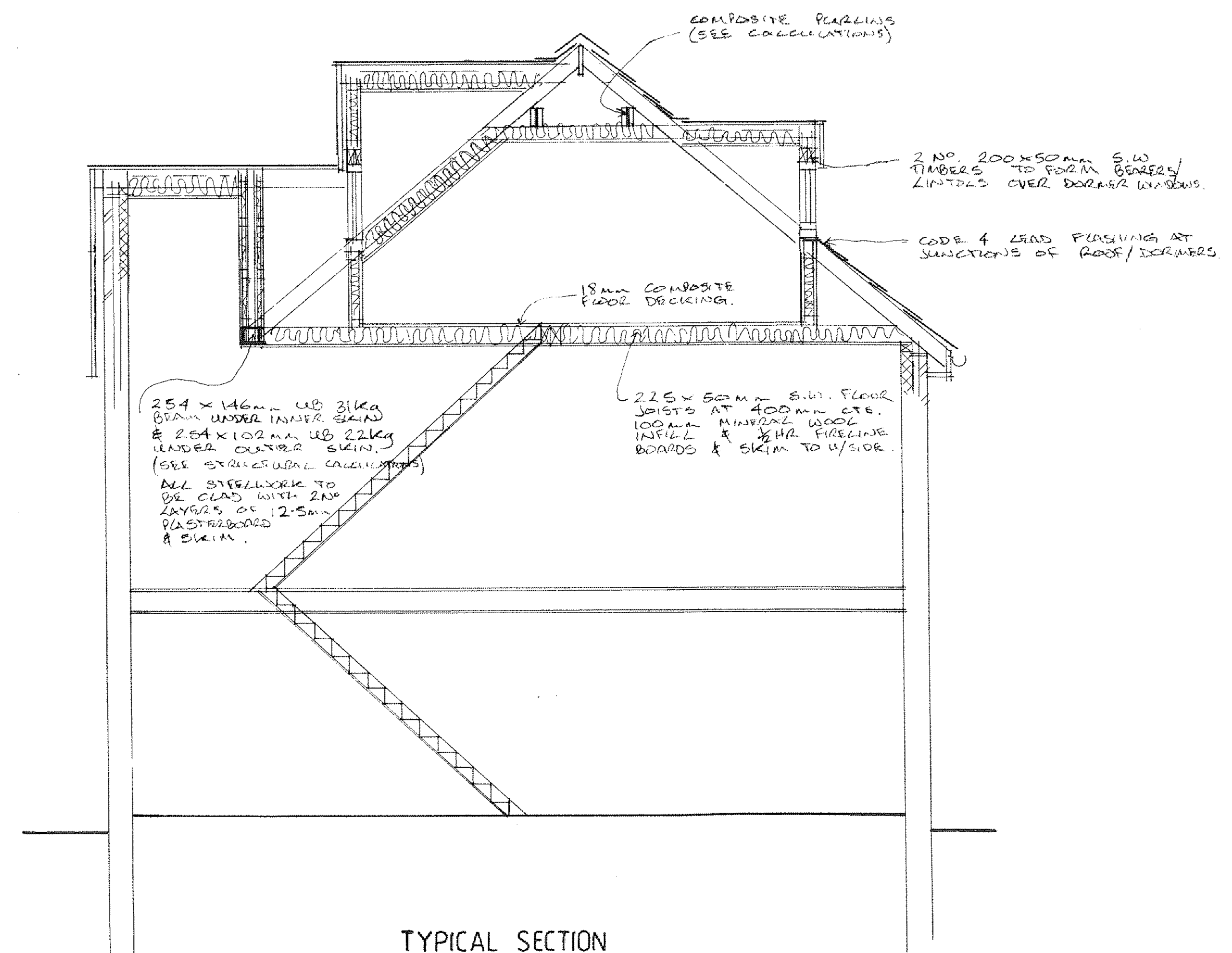


PROPOSED SECOND FLOOR PLAN



TYPICAL SECTION

Roof Specification
Natural slates on 50 x 25mm, softwood treated battens at predetermined cts. On layer of 'Tyvek' breathable membrane on 150 x 50mm, softwood rafters at 400mm, cts.
100 mm, x 50, mm, s.w. wallplates secured at 1.80 m, cts. with galvanised steel straps. Straps to have a min. cross sectional area of 30 mm, x 5 mm. 200 mm, layer of insulation quilt laid between ceiling joists and 200 mm, layer laid over the top.
Roof to achieve a min. U-value of not less than 0.15 w/m2 k.

225 mm, x 50 mm, s.w. floor joists at 400 mm, cts. Joists to be doubled up below concentrated roof loads.
100 mm, mineral wool layed between floor joists and 1/2 hr fireline plasterboard and skim to underside.

Dormer Wall Specification
Natural slates to match roof, vertically hung on 50mm, x 25mm, S.W. treated battens on layer of breathable membrane on 12mm, plywood cladding, on 100mm, x 50mm, S.W. stud construction at 400mm, cts. max. with noggins to suit.
100mm, Celotex infill. 12.5 mm, foilbacked plasterboard and skim to internal face.
U-value of walls to be min. 0.21 w/m2 k.

Pitched Ceiling Specification
100 mm, Celotex insulation board fitted between rafters with 100 mm, thick Celotex fitted to underside of rafters.
12.5 mm, foilbacked plasterboard and skim internal finish. 50 mm, air gap to be maintained over the top of the insulation. To achieve a min. U value of 0.15 w/m2k

Staircase Specification
New staircase to have min. 225mm, treads and max. 187mm, risers and a pitch line not to exceed 42 degrees. Min. headroom of 2.0m. Handrail to be fitted at a max. height of 1.00m, off the pitch line.

Means of escape window to be provided which has an unobstructed openable area of at least 0.33 m squared and to be at least 450 mm, x 750 mm, in either direction. The bottom of the openable area should not be more than 1100 mm, above the floor. All glazing to be Pilkington K glass with a min. U-value not less than 1.60 w/m2 k.

A smoke detection system to be installed with a min. of 3 no. detectors (1 no. in hall, 1 no. on landing & 1 no. on new second floor) wired into the mains with a battery back up. All fitted in accordance with B.S. 5839.

All electrical work to be installed by a member of an approved competent persons scheme and a completion certificate in accordance with BS7671 is to be provided.
All electrical switch and socket outlets to be installed in compliance with paragraph 8.3 of approved document M 2004.

En - suite to be mechanically ventilated to the outside air to give min. 15 litres/sec. extraction with a 15 min. time delay.

Wastes from En - suite to discharge to foul sewer system via. 110mm, dia. W.C. waste, and 40mm, dia. p.v.c. waste pipes with 75mm, deep seal traps.
An in line blending valve is to be fitted to all baths to ensure the maximum hot water temperature is no more than 48 degrees centigrade.

Vertical and horizontal D.P.C.'s to all openings.
Glazing to be Pilkington K glass with a min. U-value of not less than 1.6 w/m2 k.
Glazing in critical locations to be toughened safety glass to comply with the test criteria as indicated in B.S. 6206 1981

New stud partitions to be of 100 x 50 mm, s.w. studs at 600 mm, cts. with noggins to suit. 100 mm, mineral wool infill and 12.5 mm, plasterboard and skim to both sides.

All doors to habitable rooms off hall and landings to be fire resisting doors FD20.

RECEIVED
09 OCT 2014
ENVIRONMENTAL
AND ECONOMIC
REGISTRATION

DRAWING TO BE READ IN CONJUNCTION
WITH STRUCTURAL ENGINEERS CALCULATIONS -
8602 Z & 8602 ZZ

14 C 1184 FUL

Project. PROPOSED ALTERATIONS TO PLANNING APPROVAL NUMBER 2013/01266/FUL, TO INCLUDE DORMERS IN A NEW GABLED ROOF at 'TY GWYN', PEN-Y-TURNUKE ROAD, DINAS POWYS, VALE OF GLAM.		
S P E C I F I C A T I O N		
Scale 1:100, 1: 50.	Drwg. No. HDR 03	Date. OCTOBER 2014.
 meridian BUILDING DESIGN Serving the VALE COUNTY COUNCIL		Tel/Fax 02920 515952
<small>All dimensions to be checked on site prior to commencement of works. Exact Location of all services to be determined on site by owner/builder</small>		