

Flat roof dormer- Single membrane rubber on 18 mm ply
Fix noggins under all unsupported board ends, 125 mm PIR
and a double bead of mastic up the firrings and across the noggins wherever is a butt joint.
Fix firrings to give 1:60 fall to 100 x 50 SC 24 sw joists fixed at 400 Cts
to top wall plate on dormer cheeks.
Restrain rafters with 30 x 5 MS straps fixed at 2000 Cts, fixed laterally
over 4no joists. Fix solid bracing between joists at mid span.
Finish ceiling in 12.5mm plasterboard and skim.

Dormer walls- Zinc by specialist on 18 mm ply on 25 x 38 battens on Tyvec sarking felt on 100 x 50 sw studs at 400 vert x 600 Horiz Cts built between continuose 100x 50 top and bottom plate, with 100mm sq posts at corners and either side of windows built off doubled rafters, bolted together at 600 C'ts.

At wall/roof abutments fix Masterform soakers. Internally fix 9mm ply continuose with ply on inner face of stud walls and sloping ceilings.

Fix 100 mm Celotex GA4070 between the studs, leaving a 30 mm cavity between the studs.

Then over the inside face of the studs fix 37.5 Celotex TB4012, taping the joints using Celotex insultation tape and the perimeter edges sealed with mastic. Finish with skim.

Walls between rooms and eaves in 100 x 50 sw studs fixed at 400 x 600 horiz Cts between continuose 100 x 50 top and bottom plates, at corners fix 100sq posts, built off of steel beams to support existing rafters. Fix 9mm ply. Between studs fix 100 mm Celotex GA4075 flush with the back of the studs leaving a 25 mm cavity, fix Celotex TB4012 over inside face of the ply. Tape joints using Celotex insulation tape. Fix 12.5 mm plasterboard through 9mm ply into studs.

Fix 100 mm Celotex GA4050 insulation between rafters, and fix 9 mm ply to underside and then fix 62.5 mm Celotex GA4070 beneath the rafters. Tape joints beneath rafters with Celotex insulation tape and seal perimeter edges with mastic. Fix 25 x 50 batten on the line of the rafter then fix 12.5 mm plasterboard through to the battens and skim.

All doors off of stairwell to be SD 30 half hour fire resisting. Fix 25 x 38 stops glued and screwed to frames, frames to include smoke seals Fix intumescent strips to frame.

Fit interlinked smoke detector connected to regularly used lighting circuit and provided with battery backup to clause 1.8 approved Document B

ALL FINISHES TO BE SPECIFIED BY CLIENT BUT ARE GENERALLY TO MATCH EXISTING HOUSE

N.B. All dimensions to be checked prior to commencement of work, any discrepencies to be reported back to me.

All steels to separate details by J.Patson. All steels painted with intumescent paint to give half hour fire resistance.

This drawing is for planning and Building Regulations purposes only. Everyday hazards likely to be obvious to a competent contractor and unforseeable hazards and risks have not been indicated.



1 Thistlecroft, Hemel Hempstead, Herts HP1 1PB

Aspire Group

PROPOSED:

CLIENT:

6 no 2 bedroom flats and one 1 bedroom flat. Second floor plans.

LOCATION:	Rear 434 - 446 Whippendell Road, WD18 7BX
SCALE:	1:50, 1:100
DATE:	09/12/2019
REF:	wren naj 81c 2019
REVISION:	\mathbf{A} 11/10/ 21 external doors added