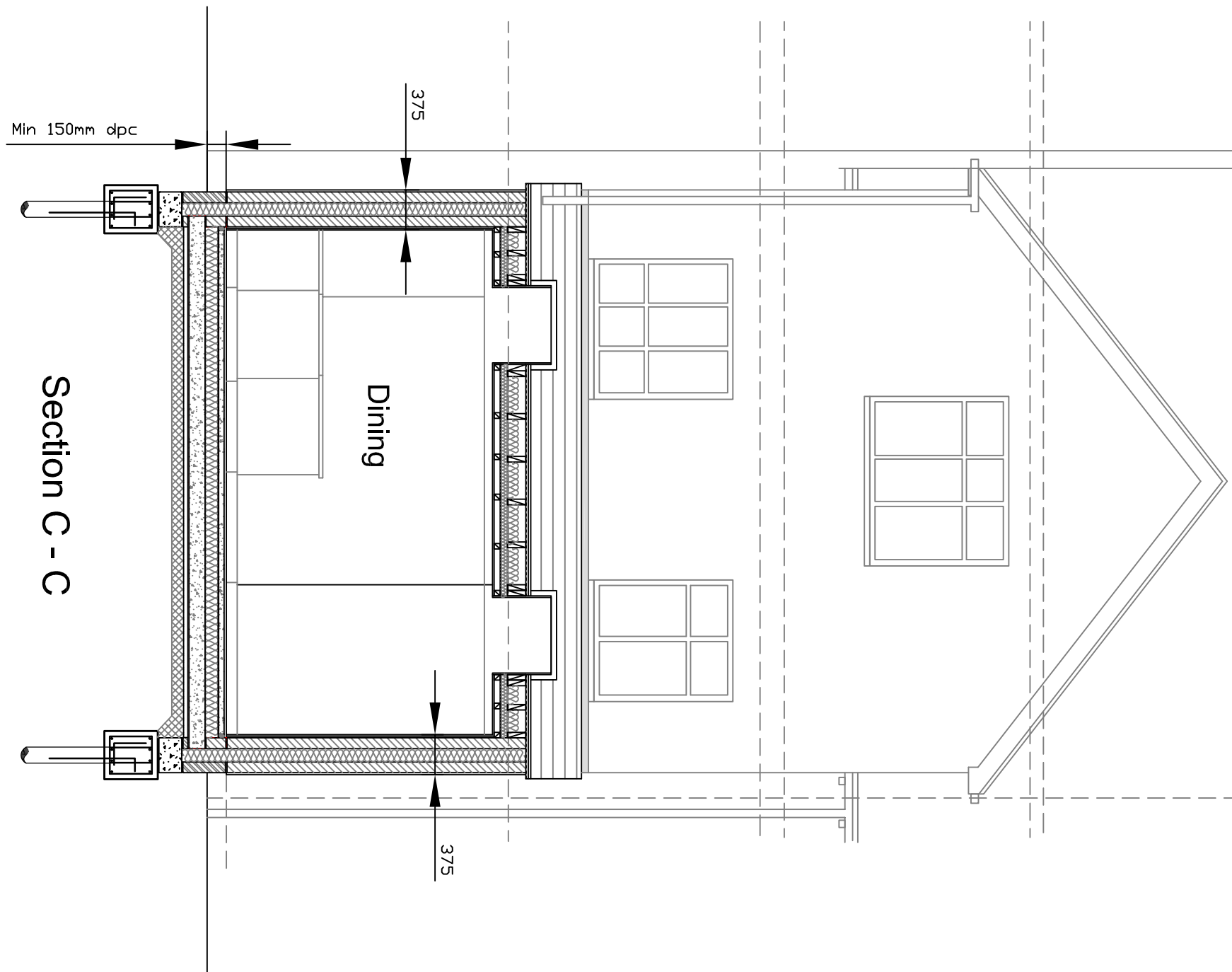
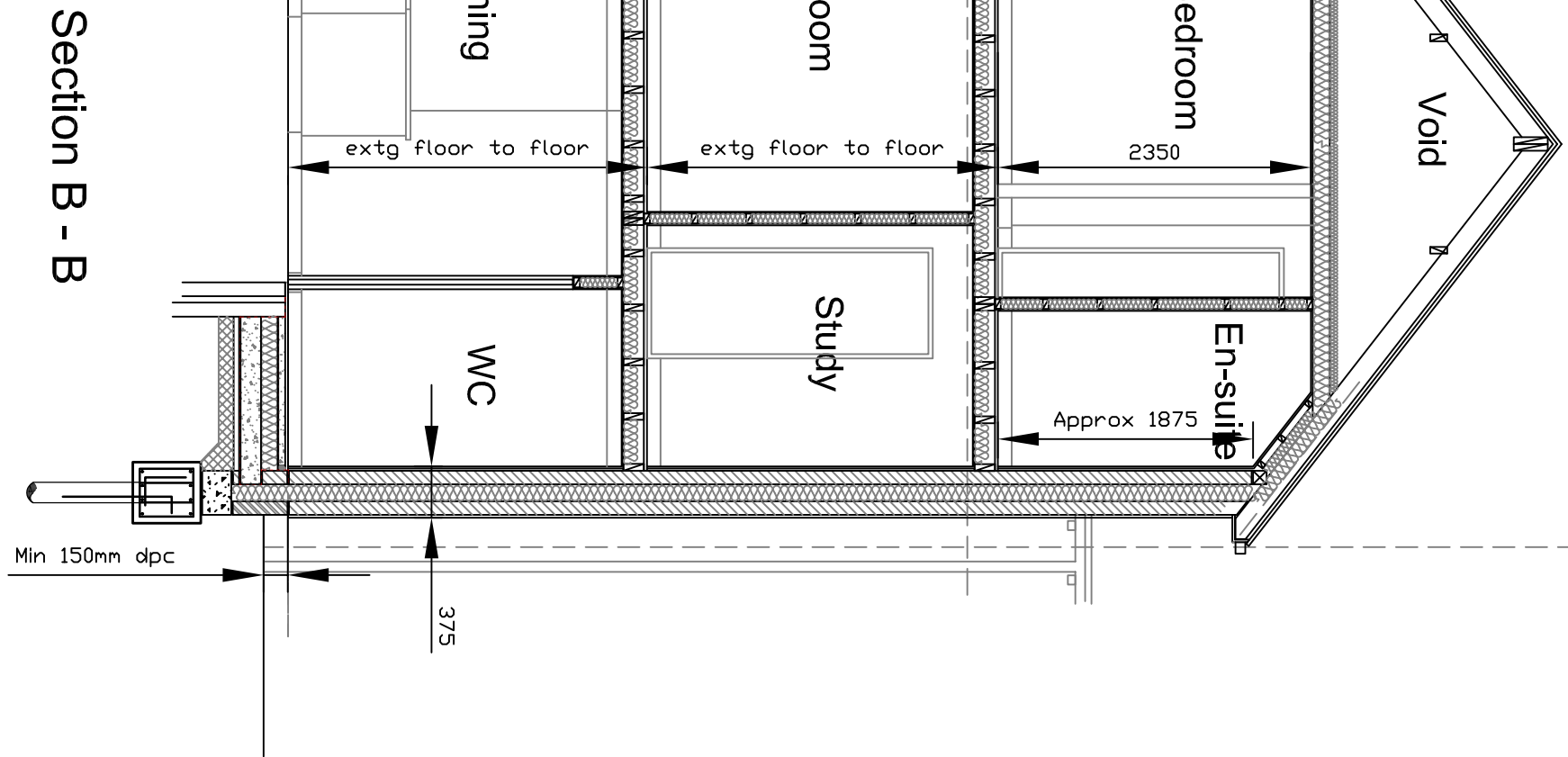
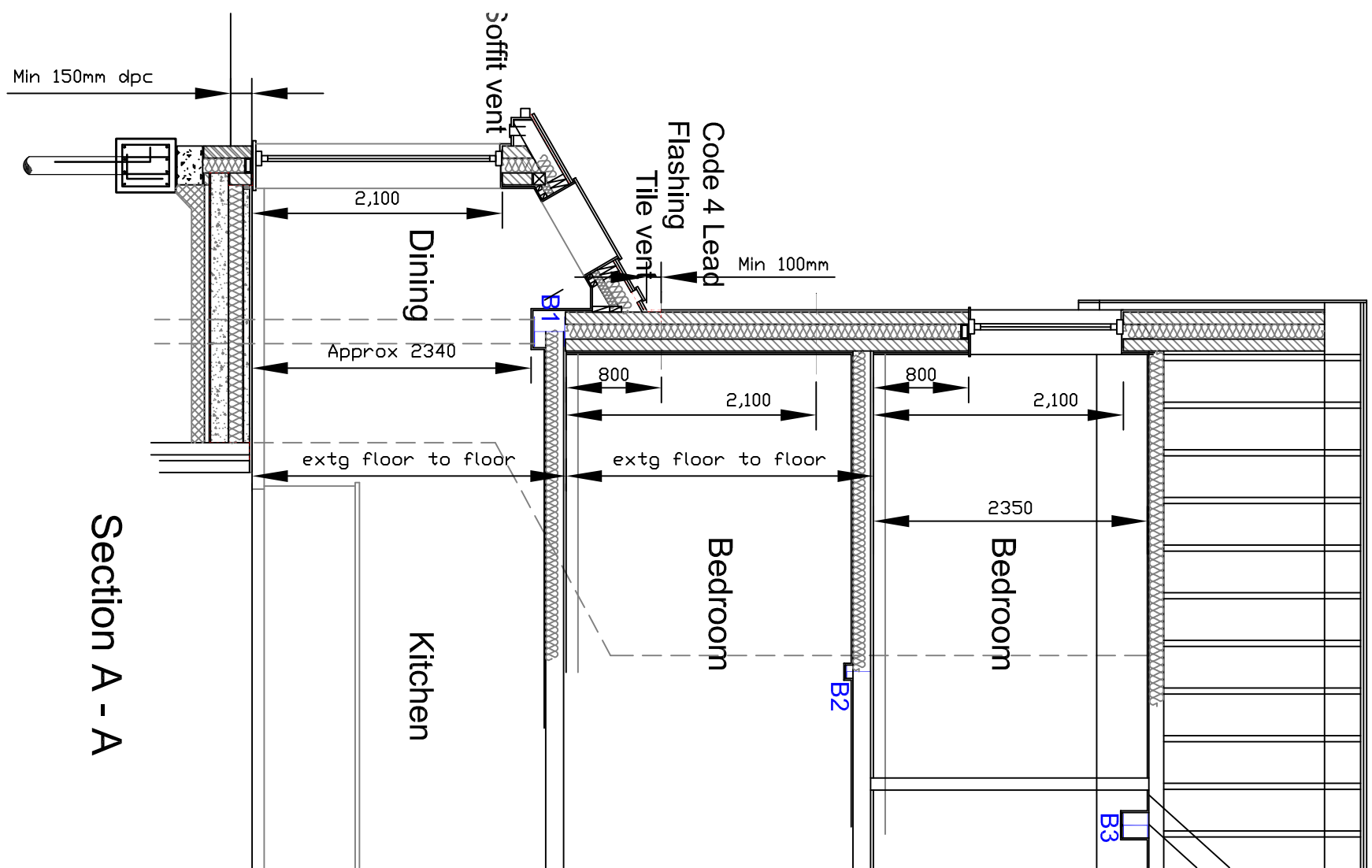




- notes
- do not scale from this drawing – figured dimensions are approximate only
 - read in conjunction with all other consultants/specialists drawings. report any discrepancies before affected work commences
 - all setting out dimensions to be checked on site by contractor before work commences
 - this drawing remains copyright of 4mation architecture. copy/distribute only with consent of author

NOTES:-

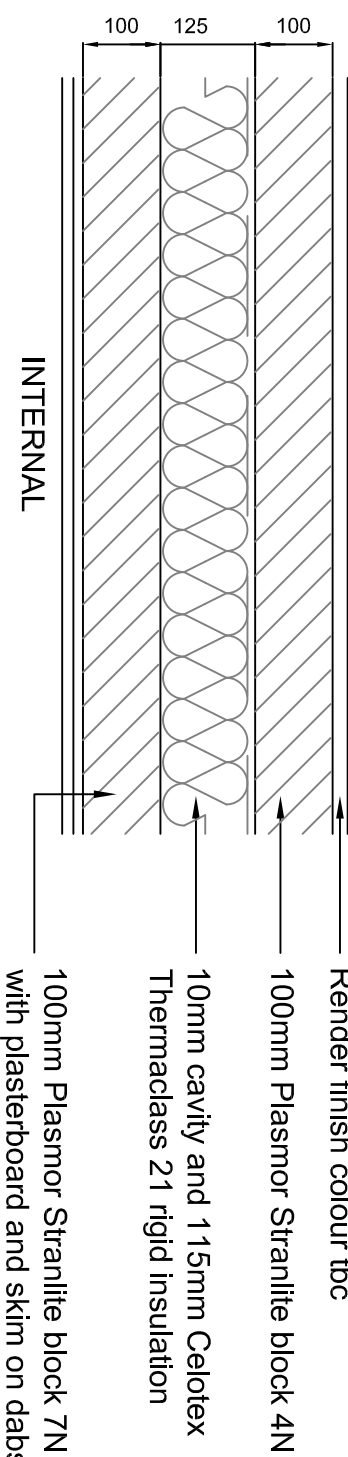
THESE DRAWINGS ARE FOR BUILDING REGULATION PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.

CLIENT MUST BE AWARE THAT QUOTATIONS FROM BUILDERS WHO ARE PRICING FROM THIS PLANNING DRAWING MAY AND WILL VARY QUITE CONSIDERABLY.

UNDER NO CIRCUMSTANCES WILL THE DRAUGHTS MAN BE LIABLE FOR ERRORS THAT MAY OCCUR DURING AND/OR AFTER CONSTRUCTION.

IT IS THE APPLICANT'S SOLE RESPONSIBILITY TO CHECK THAT THE PROPOSED WORKS DO NOT CONTRAVENE ANY CONDITIONS OR COVENANTS (LEASE, HOLDINGS ETC.). IF THIS SHOULD BE THE CASE THEN THE APPLICANT MAY NEED TO SEEK APPROVAL/CONSENT FROM THE APPROPRIATE BODIES.

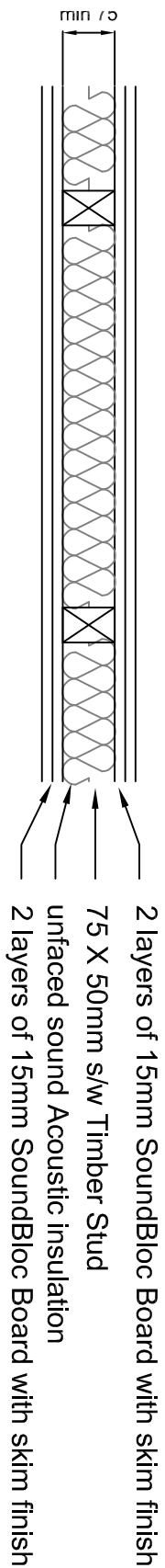
EXTERNAL



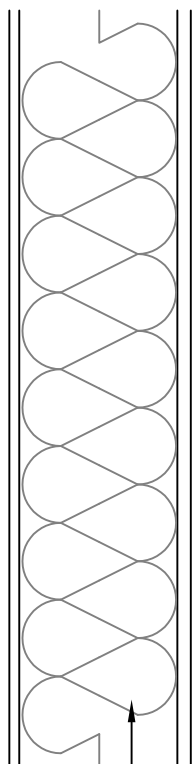
1. EXTERNAL WALL DETAIL - 1:10

Designed to achieve a U-value = 0.18 W/m2K

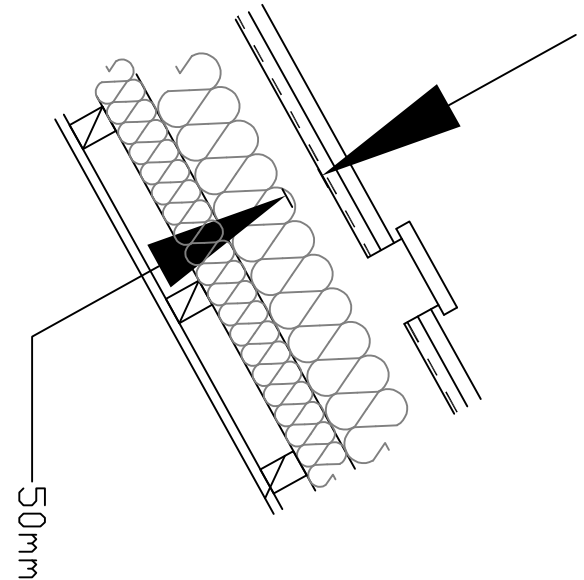
2. INTERNAL STUD WALL - 1:10



3. FIRST & SECOND FLOOR - 1:10



4. MONO PITCHED ROOF - 1:10



Provide a tile vent at the highest part of the cold roof pitch slope and soffit vents at the eaves for continuous ventilation.

Mono Pitched Roof/Approx 30 degrees
- Tiles to match existing roof on s/w battens on breathable membrane roofing felt (min 50mm cavity) on 150 x 50mm C16 rafters @ 400mm centres with 100mm Celotex GA4000 inbetween rafters and Celotex GA4000 70mm thick insulation.

Note:- 25 x 47mm battens @ 600mm centres - service void under rafter insulation to also support insulation with 12.5mm wallboard and skim finish.

U Value achieved 0.15W/m2K.

All insulation board to have tape on joists with a suitable product to prevent vapour ingress

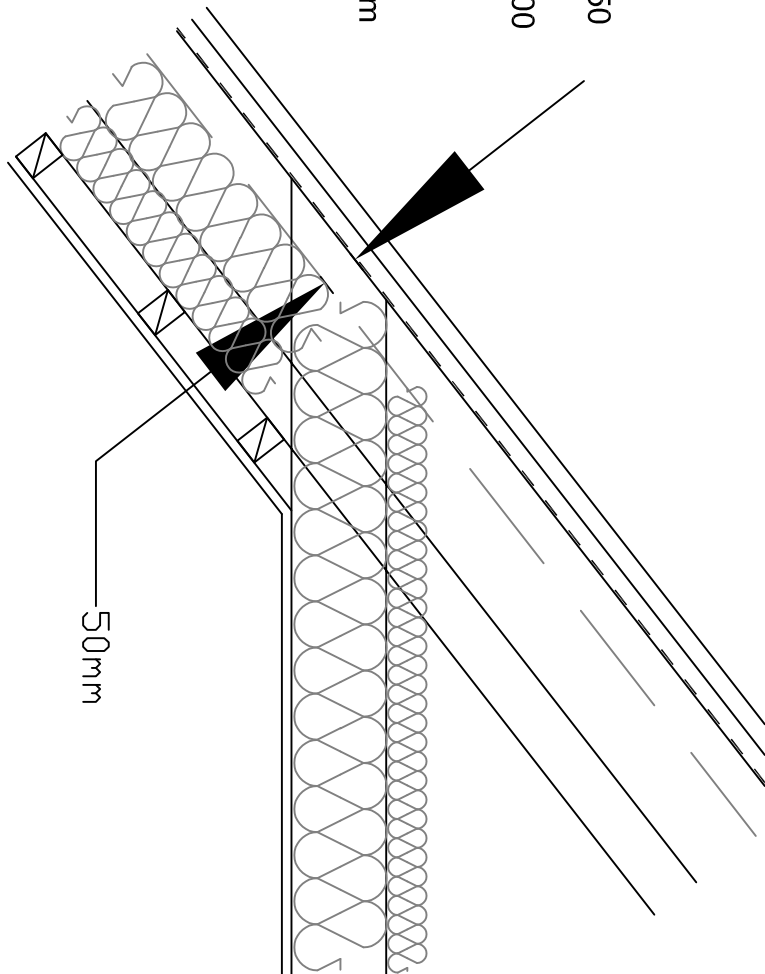
Pitched Roof approx 38 degrees - Tiles to match existing roof on s/w battens on breathable membrane roofing felt (min 50mm cavity) on 150 x 50mm C16 rafters @ 400mm centres with 100mm Celotex GA4000 inbetween rafters and Celotex GA4000 70mm thick insulation.

Note:- 25 x 47mm battens @ 600mm centres - service void under rafter insulation to also support insulation with 12.5mm wallboard and skim finish.

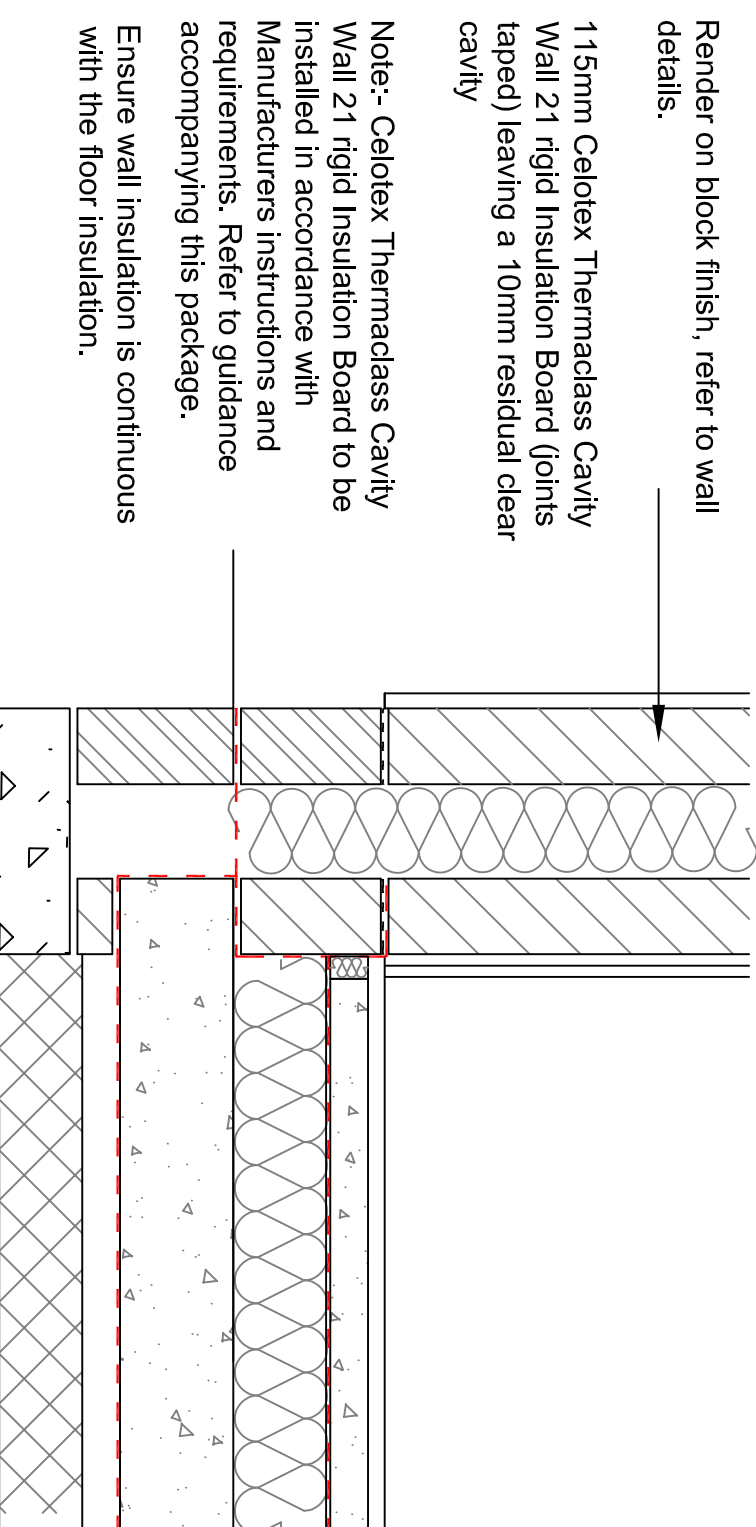
U Value achieved 0.15W/m2K.

All insulation board to have tape on joists with a suitable product to prevent vapour ingress

5. MAIN PITCHED ROOF - 1:10



6. GROUND FLOOR DETAIL - 1:10



Render on block finish, refer to wall details.
115mm Celotex Thermadclass Cavity Wall 21 rigid Insulation Board (joints taped) leaving a 10mm residual clear cavity

Note:- Celotex Thermadclass Cavity Wall 21 rigid Insulation Board to be installed in accordance with Manufacturers instructions and requirements. Refer to guidance accompanying this package.

Ensure wall insulation is continuous with the floor insulation.

Ceiling level - Celotex XR4000 120mm rigid insulation inbetween 125 x 50 ceiling Joists @ 400mm centres and Celotex GA4000 50mm rigid insulation above joists.
Vapour control layer and 12.5mm wallboard and skim finish.

U Value achieved 0.15W/m2K.

project:
7 Hightrees Drive
Manchester
M20 2JF

client:
Mr C Cooper

dwg:
Proposed Sections
and Details

project no: 922

dwg no: 12

dwg date: 12/01/23

dwg scale: 1:50/10

dwg revision: A