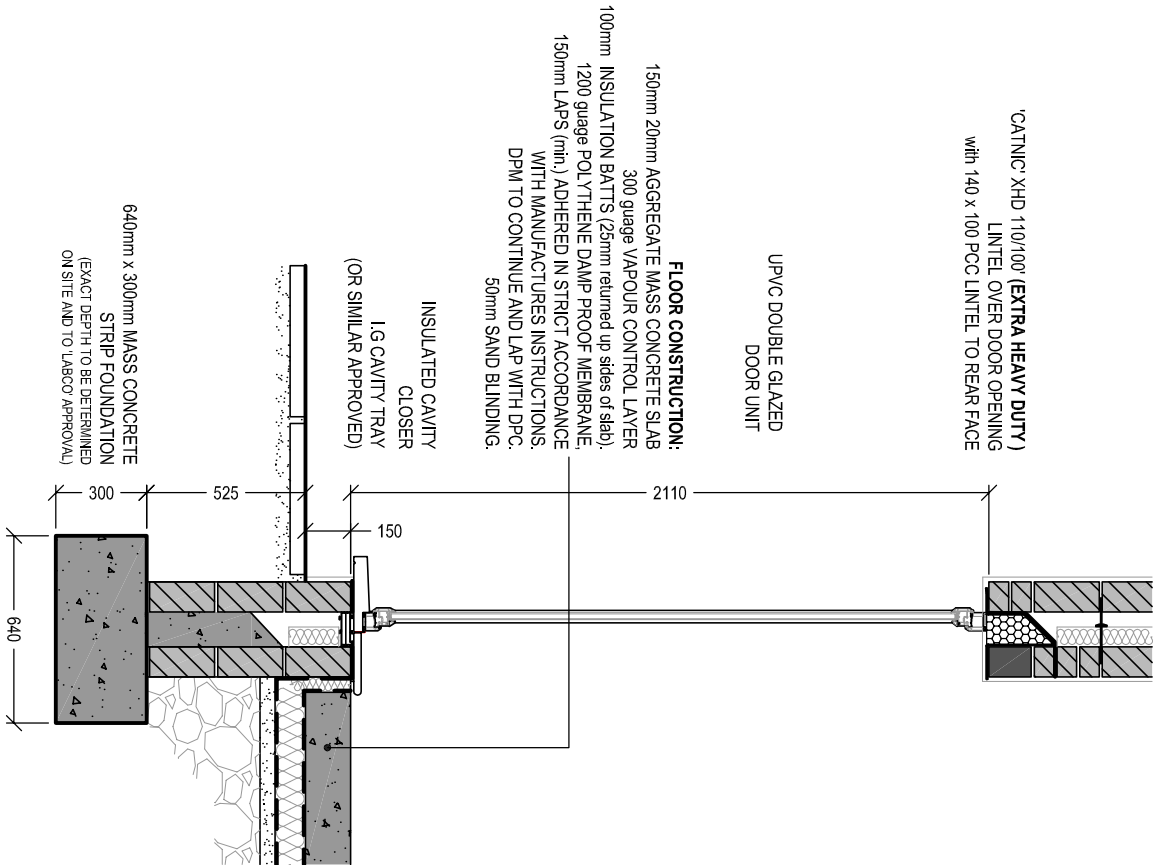




ADDITIONAL NOTES:

**EXTERNAL WALLS:** - (U' Value to be 0.21 W/m<sup>2</sup>K)

- 100mm - 7N/mm<sup>2</sup> dense concrete blockwork
- 50mm clear air cavity.
- 75mm insulation batts with retaining clips.
- 100mm - 7N/mm<sup>2</sup> dense concrete blockwork inner leaf with cement / sand mortar (1:3)
- 12mm sand / cement render (1:3) with 3mm plaster skim finish.
- Stainless steel double triangle wall ties with insulation batt retaining clips at 900mm horizontal and 450mm vertical, 225mm horizontal and vertical around openings sloping to outer leaf.
- (TO COMPLY WITH APPROVED DOCUMENT PART A)
- Cavity's to be closed with insulated cavity closers, to be installed in accordance with manufacturers instructions.

**GROUND FLOOR:** - (U' Value to be 0.18 W/m<sup>2</sup>K)

- 150mm 20mm aggregate concrete slab.
- 1200 gauge polythene damp proof membrane, minimum 150mm laps adhered in strict accordance with manufacturers instructions.
- DPM to continue and lap with DPC.
- 100mm insulation batts returned up sides of slab.
- Vapour control layer installed between insulation and underside of concrete slab
- 50mm sand blinding.
- Minimum 150mm compacted hardcore, consolidated in 150mm layers.

**ROOF STRUCTURE:** - (U' Value to be 0.16 W/m<sup>2</sup>K)

All Structural works to comply with Approved Document Part A and Part L 1 of the Building Regulations.

Concrete tile on 25 x 50mm SW battens on "TYVEK DUPONT" (or similar approved) roofing underlay carried well into gutter.

Proprietary Eaves drip tray system installed around new perimeter.

**DOORS & WINDOWS:** - (U' Value to be 0.16 W/m<sup>2</sup>K)

All doors & windows to be fitted with heavy duty weather strips fitted to opening casements and fitted with self locating opening window resistors. Safe breakage of glass as defined in BS6206:1981

All glazing to comply with Approved Document N.

**MECHANICAL:**

heating system to be designed to provide additional heating adequate to heat new building, complete with thermostatic control valves mounted to top of radiators. Pipework to be 15mm to BS. 2871.

Installations to be carried out by fully qualified heating engineer.

**ELECTRICAL:**

Installation to be in accordance with the latest IEE and NICEIC regulations and carried out by a registered electrician. Lighting fitting specified to be classified as "Energy Efficient" in accordance with approved document P of Building Regulations. All earthing to be in accordance with the latest IEE and NICEIC regulations.

Inspection and NICEIC completion certificates to be handed to client at practical completion. All electrical fixings to be 450mm and 1200mm off FFL and to comply with approved Document P of the Building Regulations.

**FIRE / SMOKE ALARMS:**

New heat and smoke detectors to be fitted on each floor. All new alarms to be mains operated with battery back up.

|                                                                                                                                                                                      |  |                                                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|
| Client:                                                                                                                                                                              |  | Mr. M. Challenger<br>31 Cefn Gelli<br>Cwmngwach<br>Neath<br>SA11 5PE                                                         |  |
| Project Title:                                                                                                                                                                       |  | PROPOSED GARDEN ROOM                                                                                                         |  |
| General Notes:                                                                                                                                                                       |  | 1. Do not scale from this drawing. Take ground dimensions only.<br>2. Dimensions are in millimetres unless otherwise stated. |  |
| Drawing No:                                                                                                                                                                          |  | Revision:                                                                                                                    |  |
| Date:                                                                                                                                                                                |  | Revised:                                                                                                                     |  |
| Scale(s):                                                                                                                                                                            |  | Paper Size:                                                                                                                  |  |
| 005                                                                                                                                                                                  |  | A3                                                                                                                           |  |
| 25-03-2021                                                                                                                                                                           |  | 1:25                                                                                                                         |  |
| 1:25                                                                                                                                                                                 |  | A3                                                                                                                           |  |
| <div></div> <div>Cwm Planning &amp; Design Ltd.<br/>(Civil, Structural &amp; Architectural)</div> |  |                                                                                                                              |  |