

THEEXTENSIONHOUSE

PLANNING & DESIGN SERVICES

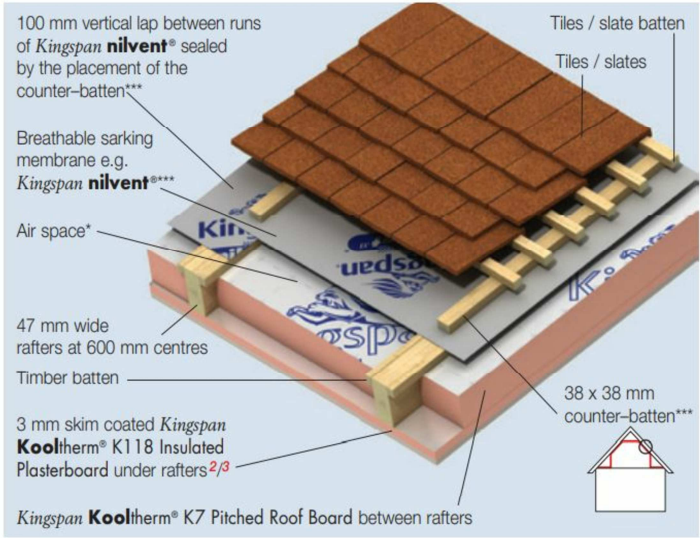
54 St James Street, Liverpool, L1 0AB

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VAULTED ROOF DETAILING - Insulation Upgrade

Partially Filled Insulation Between Rafters –  
No Sarking Board



1. BETWEEN- Kooltherm Pitched Roof Board (90mm)
  2. UNDER - K118 Kooltherm K7 Insulated Plasterboard\*\* (37.5mm)
- To acheive 0.18w/m2K

Condition of existing building to be further assessed for suitability. Existing beams should be determined by S.E and assessed / replaced

New Thermal Elements

Walls -Insulation - 0.28W/m²K

Roof -Insulation - 0.16W/m²K

Floor - 0.22w/m²K

Windows & Doors - 1.6w/m²K

See Specifications & Details  
L1B - CONSERVATION OF FUEL AND  
POWER IN EXISTING DWELLINGS

Lines of drainage could not be fully determined. New drainage runs to be agreed onsite with Building control prior to covering up

Boiler location to be confirmed by specialist.

New and altered structural elements such as steelwork and bearings must be designed by a qualified structural engineer and complete calculations are to be provided justifying adequacy. Existing foundations to be assessed by BCO for suitability and overall stability

- ☒s Smoke Detector & Sounder
- ☒H Heat Detector & Sounder
- New Steelwork / Trimmers
- ☒ Extract fan
- ⦿ External light

MAIN ROOF - TRADITIONAL ROOF  
TIMBER SIZES:

RAFTERS 6x2 C16 @ 400c

Ridge 8 x 2 C16

CEILING JOISTS 6 x 2 C16 @ 400c (Span gable to gable) with laddering using hangars to last ceiling joists to provide triangulation and restraint against spread on roof rafters.

FRONT ELEVATION ROOF

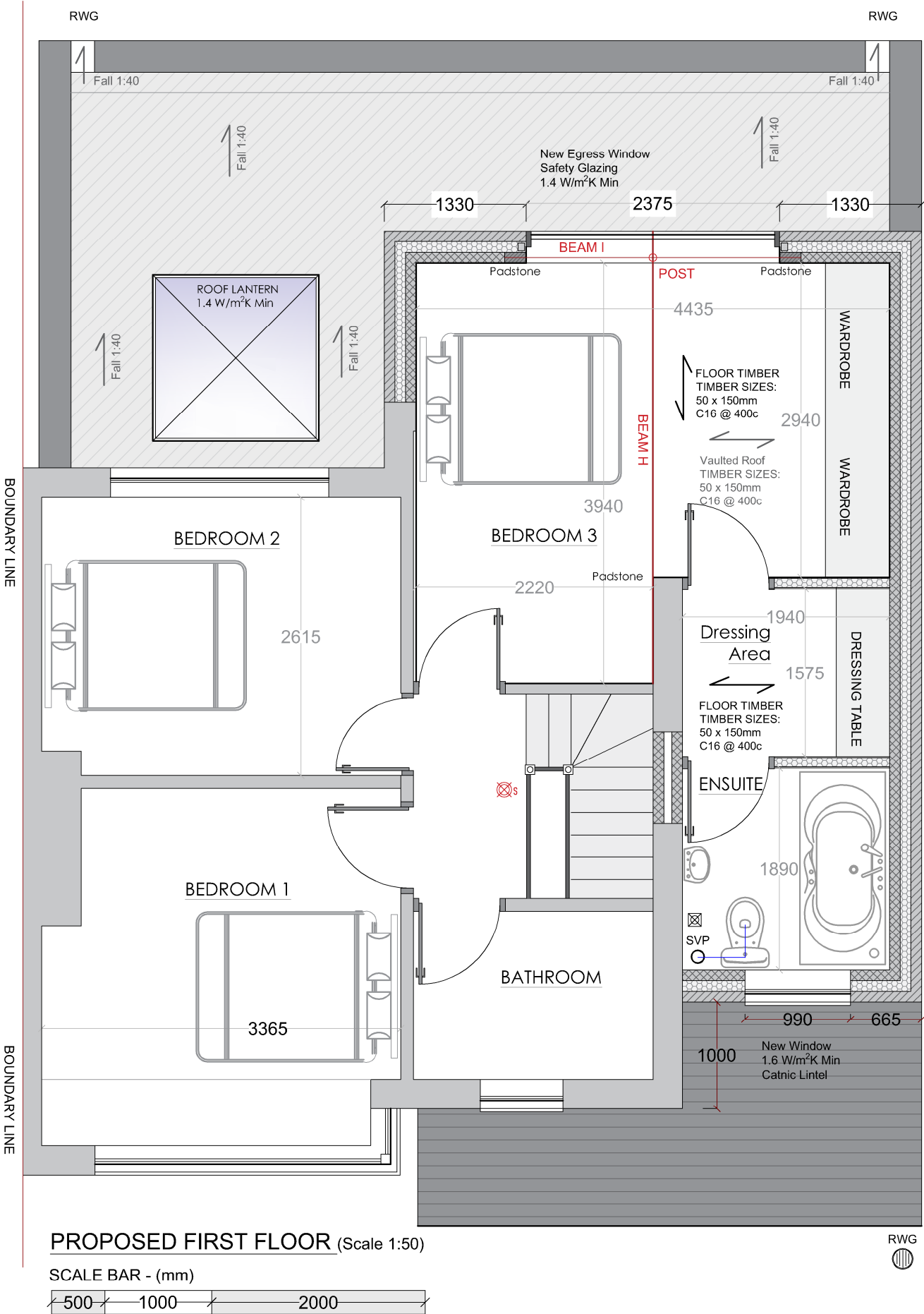
RAFTERS 5 x 2 C16 @ 400c

CEILING JOISTS 5 x 2 C16 @ 400c

270mm Rockwool over ceiling joists  
0.16W/m²K

FIRST FLOOR - Timbers to be supported off joist hangars between new and existing gable walls. To be doubled up under Partition walls

TIMBER SIZES: 6x2 C16 @ 400c



ALL WORKS TO BE UNDERTAKEN TO LATEST BUILDING REGULATIONS, BRITISH STANDARDS AND MANUFACTURERS RECOMMENDATIONS

TOWN AND COUNTRY PLANNING ACT 1990 - Advice to be taken from the Local Authority by Client, full planning permission should be applied for and obtained by the owners Prior to work commencing  
BUILDING REGULATIONS APPROVAL - is required for this project. The contractor must provide the appointed Building control body with all statutory notices for inspections and must liaise with the statutory undertakers and comply with their requirements.

PARTY WALL ACT - Prior to commencing work the builder/owners shall ensure that neighbors have been given notice under the Party Wall Act 1996.

CDM REGULATIONS 2015 - The contractor/builder shall be fully aware of the latest Construction (Design and Management) Regulations 2015. The contractor shall notify the Health and Safety Executive where required.

GENERAL - All dimensions given whether figured or scaled are to be checked and verified on site by the contractor prior to commencement of work. Figured dimensions are to take preference over scaled dimensions.

|                                                                                           |                                                            |               |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------|
| PURPOSE<br>Planning and Building Regulations Only                                         | SITE ADDRESS<br>64 Bowring Park Ave,<br>Liverpool, L16 2NF |               |
|                                                                                           | Number<br>4                                                | REVISION<br>B |
| WORK<br>Erection of Double storey Side and single storey rear extension to dwelling house | SCALE 1 - A3<br>1:50                                       |               |
| DRAWING<br>Proposed First Floor                                                           |                                                            |               |