

Main Roof 14° to be checked on site
Mono Pitch Traditional
Min 'U' Value 0.15W/m².K

- Code 4 lead flashing
- Marley or equivalent Top Abutment Ventilation System providing continuous 5mm ventilation along abutment
- 50mm x 25mm tanalised softwood battens & Planum Clay Interlocking Low Pitch Roof Tile - 10° pitch below 20 degrees Planum tile clips must be used
- Permavent Dry+ High-performance vapour permeable membrane 220 g/m2 taped with Permavent Butyl Tape
- Velux 940 x 980 PK04 Roof Lights - contractor to discuss with velux reference low roof pitch 14°
- C16 - 50mm x 175mm softwood common rafters @ 400mm ctrs, doubled around all openings
- 2 layers of 60mm Recticel Eurothane GP60 rigid phenolic foam board Thermal conductivity 0.022 W/m-K across all thicknesses between rafters,
- 1 layer of 60mm Recticel Eurothane GP60 fixed below rafters
- 25mm x 50mm battens fixed at maximum 300mm C/C
- 12.5mm plasterboard with 3-5mm skim coat
- Marley or equivalent Universal Eaves Vent System 25mm continuous ventilation at eaves 12.5°-55° pitched roofs

Cavity Walls
Min 'U' Value of 0.18 W/m².K

- 102mm facing brickwork outer skin
- 100mm cavity insulated with 90mm Kingspan Kooltherm K106
- 100mm Stranlie solid 4.2N/mm² - 0.41W/m²
- 12.5mm wallboard with 3-5mm skimcoat

Roof pitch <15°
Flat Roof Joist Design (BS5268-2:2002)
Joist Details
 Timber strength class C16
 Joist width b = 50 mm
 Joist depth h = 175 mm
 Joist spacing s = 400 mm
 Clear span Lcl = 2.8 m
 Rafters doubled around all openings

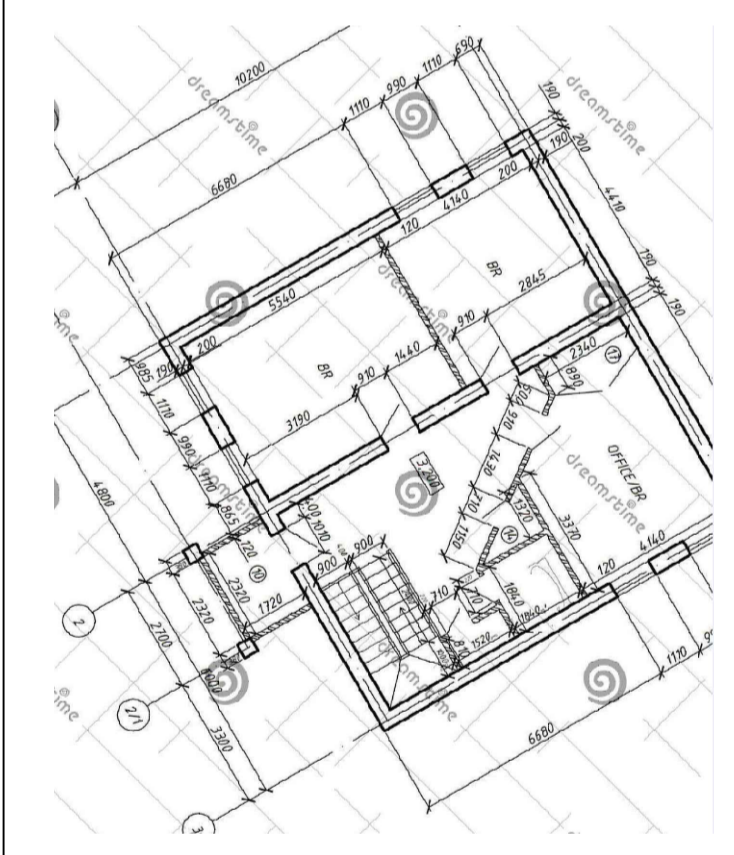
Support by Structural Engineer final level to be agreed on site Client/Contractor

Internal Timber Stud Wall Design (to BS5268-2:2002)
Timber stud details
 Timber strength class C16
 Width b = 50 mm
 Depth d = 100 mm
 Stud spacing s = 400 mm
 Stud wall comprises of 4 or more studs

Ground Floor - ground bearing
Min 'U' Value 0.18W/m².K
Perimeter 10.70 Lin.m to Area 14.29 m²Ratio 0.75

A-A Section A-A
 Scale: 1:25 @ A1

1. TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS / SPECIALISTS DRAWINGS. REPORT ANY DISCREPANCIES BEFORE AFFECTED WORK COMMENCES
2. ALL SETTING OUT DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR BEFORE WORK COMMENCES
3. CONTRACTORS ATTENTION IS DRAWN TO THEIR RESPONSIBILITY UNDER THE 2015 CDM REGULATIONS
4. BEFORE YOU PROCEED WITH YOUR LOFT CONVERSION PROJECT, YOU MAY NEED TO DRAW UP A PARTY WALL AGREEMENT. HENCE THE NEED FOR A PARTY WALL AGREEMENT LOFT CONVERSION AGREEMENT. THIS IS A LEGAL AGREEMENT WHICH HELPS MINIMISE THE IMPACT THAT THE WORK MAY HAVE ON YOUR NEIGHBOURS AND HELP PROTECT THE INTERESTS OF ALL PARTIES INVOLVED.



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client	Danielle & Craig Walker 07854-718-874 walker_15_3@hotmail.com
project	9 Dennett Close Maghull Liverpool L31 5PD Proposed Rear Single Storey Extension. SECTION A-A
drawing title	
drawing number	0001-03
revision	*
drawing status	Planning - Building Regulations
scale	1:25 - @ A1
date	March 2024
drawn by	RJ
checked by	RJ