Scale 1:50

0 1 2 3 4 5

UNVENTED PITCHED ROOF

(imposed load max 0.75 kN/m² - dead load max 0.75 kN/m²)
To achieve U-value 0.15 W/m²K
Timber roof structures to be designed by an Engineer in accordance with NHBC Technical Requirement R5 Structural Design. Calculations to be based on BS EN 1995-1-1. tILES to match existing on 25 x 38mm tanalised sw treated battens on breathable sarking felt to relevant BBA Certificate. Supported on 47 x 150mm grade C24 rafters at max 400mm centres. Rafters supported on 100 x 50mm treated sw wall plates. Allow min 50mm air space to allow for drape of breathable felt. Insulation to be 100mm Kingspan K107 between rafters and 50mm Kingspan Kooltherm under.Fix KOOLTHERM K118 57.5mm (12.5mm FOIL BACKED plasterboard internal finish)ceilings using galvanized plasterboard nails. Finish with 5mm skim coat of finishing plaster. Restraint strapping - rafters to be strapped to walls and gable walls, straps built into cavity, across at least 3 timbers with noggins. All straps to be 1000 x 30 x 5mm galvanized straps or other approved to BSEN 845-1 at 2m centres.
THIS IS A GENERAL GUIDE BASED ON NORMAL LOADING CONDITIONS FOUND IN DOMESTIC CONSTRUCTION. IT IS YOUR RESPONSIBILITY TO ASSESS YOUR DESIGN TO ASCERTAIN WHETHER ENGINEER'S DETAILS/CALCULATIONS ARE REQUIRED. PLEASE REFER TO THE TRADA DOCUMENT – 'SPAN TABLES FOR SOLID TIMBER MEMBERS IN FLOORS, CEILINGS AND ROOFS FOR DWELLINGS' OR ASK YOUR BUILDING CONTROL OFFICER FOR ADVICE.

1300mm X 2400mm VELUX VARIO FLAT ROOF LIGHT.

DETAILING AND FIXING TO MANUFACTURERS GUIDANCE. CONTRACTOR TO DISCUSS WITH VELUX UPSTAND FIXING REQUIREMENTS PRIOR TO ORDER AND DELIVERY.

TRIMMER OPENING 2425MM x 1325mm

OVERALL EXTERNAL AS PER MANUFACTURER (1.5M X 2.6 APPROX)

Final dims TBC

Structural Engineer To Confirm Beam Requirements -

ENGINEER TO CONFIRM IF 2X ENGINEERED JOISTS EASI - JOIST WS220 - 219 X 72 X 47 WILL SUFFICE

WARM FLAT ROOF
(imposed load max 1.0 kN/m² - dead load max 0.75 kN/m²)
To achieve U value 0.15 W/m²K

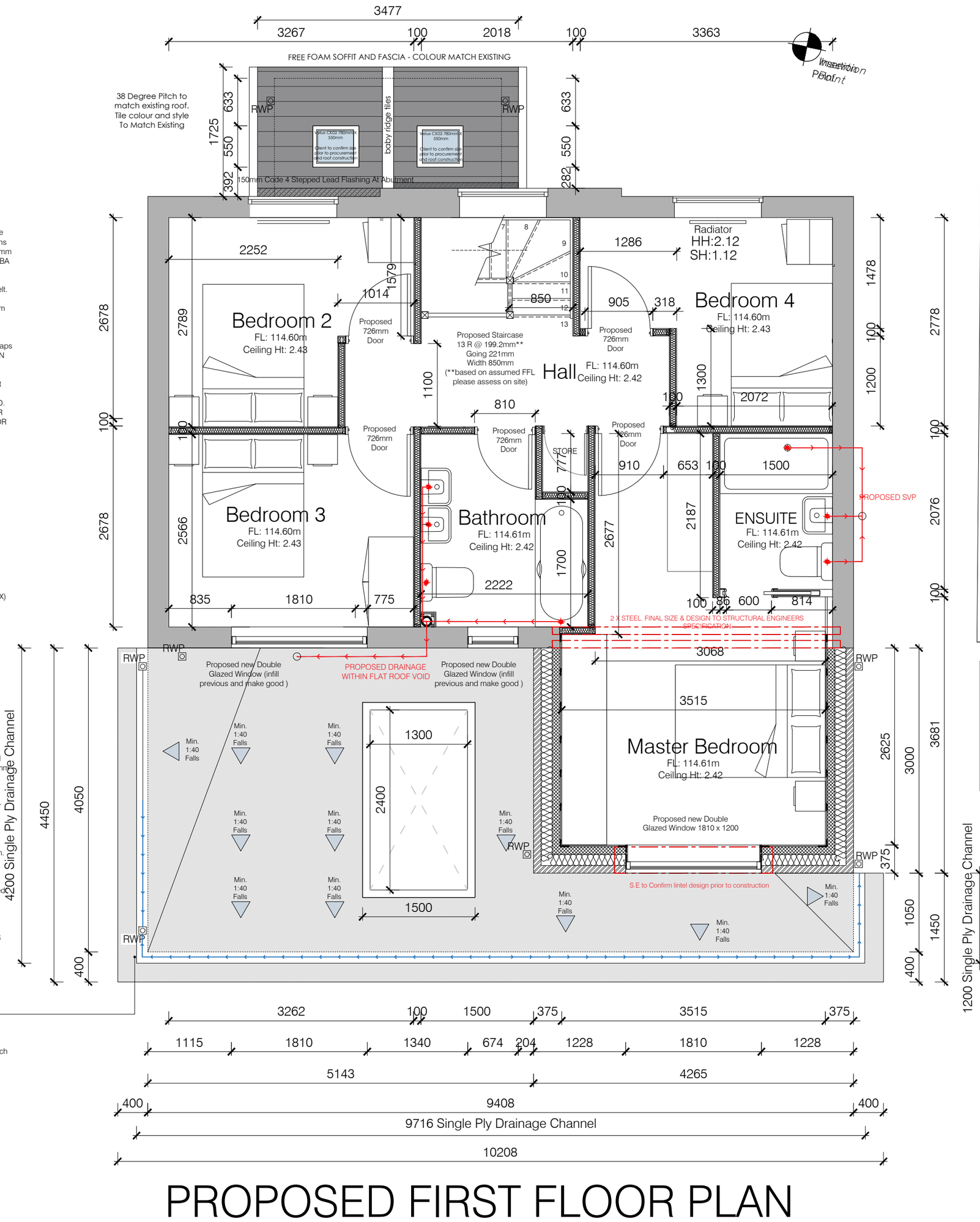
Flat roof to be single ply membrane roofing providing aa fire rating for surface spread of flame with a current BBA or WIMLAS Certificate and laid to specialist specification. Single ply membrane to be fixed to 18mm exterior quality plywood (if required by manufacturer) over 150mm Celotex XR4000 insulation.

Insulation bonded to vcl on 18mm external quality plywood decking or similar approved on sw firings to minimum 1 in 40 fall on NOM.
EASI-JOIST WS220 x 72 x 47 @400 ctrs or as Structural Engineer's details and calculations.

Underside of joists to have 12.5mm foil backed plasterboard and skim. Provide cavity tray to existing house where new roof abuts existing house.

Provide restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall.

THIS IS A GENERAL GUIDE BASED ON NORMAL LOADING CONDITIONS FOUND IN DOMESTIC CONSTRUCTION. ENGINEER'S DETAILS/CALCULATIONS ARE REQUIRED.



NEIGHBOURS SIDE SINGLE STOREY EXTENSION

- INSTALLED UNDER PERMITTED DEVELOPMENT
- WINDOW IS NOT A HABITABLE ROOM AND IS ALSO A SECONDARY WINDOW
- IRRELEVANT IN ASSESSMENT AS A PREVIOUS EXTENSION
- THE GROUND FLOOR THE GROUND FLOOR ELEMENT AT 4050MM COULD BE CARRIED OUT ON A PRIOR NOTIFICATION PROCESS
- THE FIRST FLOOR IS SET BACK SIGNIFICANTLY TO PREVENT ANY LOSS OF AMENITY

SIDE WIN
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AND BATI
(OBSCI
WINDC

PROPOSED FIRST FLOOR PLAN

S.G ARCHITECTURAL DESIGN
Tel: 07817034426. sgarchitecturaldesign@gmail.com.
www.sgarchitecturaldesign.com

30 Delves Bank Road, Swanwick, Alfreton, Derbyshire DE55 1HA

06 B - PROPOSED FIRST FLOOR - A2 - 1-50

SG PROJECT NO.	PAPER SIZE	DRAWN BY
402	A2	SG
REVISION	SCALE(S)	
PLANNING	1:50	

Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction. Immediately report any discrepancies on this document to SG ARCHITECTURAL DESIGN.

REV.	DESCRIPTION	DATE	BY	CHK'D

N