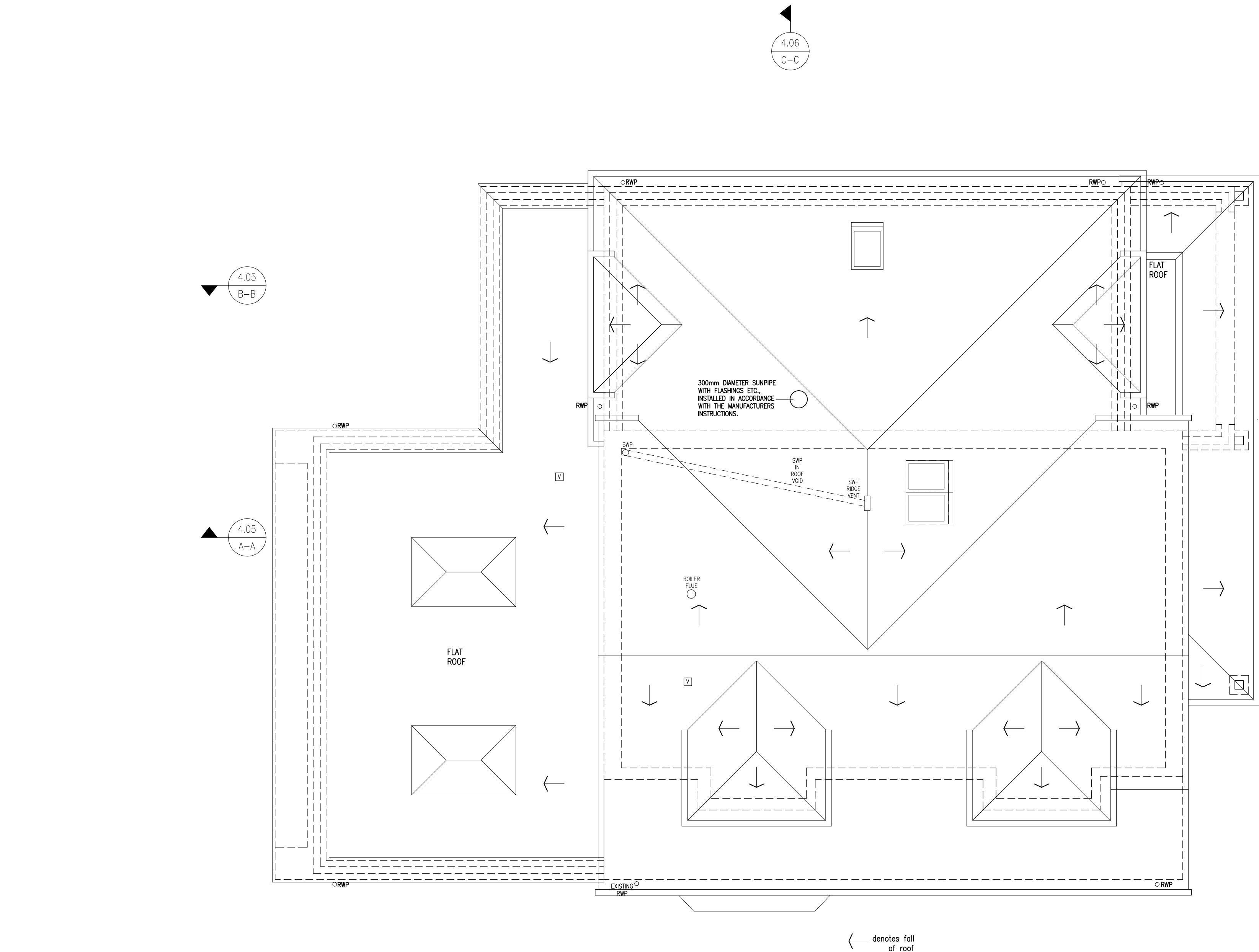




PROPOSED ROOF PLAN

GENERAL LEGEND

- DENOTES EXISTING WALL TO BE CAREFULLY TAKEN DOWN AND ALL RUBBISH CARTED AWAY. MAKE GOOD TO ALL SURFACES TO MATCH AND MARRY TO THE EXISTING. WHERE STRUCTURAL SUPPORTS ARE REQUIRED THEY ARE INDICATED ON THE PLAN. PRIOR TO COMMENCING THE DEMOLITION THE CONTRACTOR SHALL PROVIDE ALL NECESSARY STRUTTING AND SHORING TO ENSURE STRUCTURAL STABILITY THROUGHOUT THE WORKS. ANY FURTHER SUPPORT REQUIRED TO BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORKS.
- (W1) NEW EXTERNAL CAVITY WALL: RENDER FINISH – 325mm OVERALL CAVITY WALLS; U-VALUE OF 0.22 W/m²K 18mm THROUGH COLOURED RENDER ON OUTER SKIN ABOVE DPC TO BE 100mm THICK BLOCKWORK (SUITABLE FOR RENDER FINISH), 75mm STANDARD CAVITY; 50mm THICK KINGSPAN K108 RIGID INSULATION BOARD, OR SIMILAR APPROVED, TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS; 100mm THICK THERMALITE TURBO, OR TARMAC GT1 BLOCKWORK INNER LEAF (STRENGTH DESIGNATION AS SPECIFIED BY ST. ENG.), FINISHED INTERNALLY WITH 12.5MM PLASTER WITH SKIM AND PAINT FINISH (ALTERNATIVELY 12.5MM PLASTERBOARD AND DABS WITH SKIM FINISH COULD BE USED RESULTING IN SAME U-VALUE) – ALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- (W2) NEW EXTERNAL CAVITY WALL: FACE BRICKWORK FINISH – 325mm OVERALL CAVITY WALLS; U-VALUE OF 0.22 W/m²K OUTER SKIN ABOVE DPC TO BE 102.5MM THICK FACE BRICKWORK, 75mm STANDARD CAVITY; 50mm THICK KINGSPAN K108 RIGID INSULATION BOARD, OR SIMILAR APPROVED, TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS; 100mm THICK THERMALITE TURBO, OR TARMAC GT1 BLOCKWORK INNER LEAF (STRENGTH DESIGNATION AS SPECIFIED BY ST. ENG.), FINISHED INTERNALLY WITH 12.5MM PLASTER WITH SKIM AND PAINT FINISH (ALTERNATIVELY 12.5MM PLASTERBOARD AND DABS WITH SKIM FINISH COULD BE USED RESULTING IN SAME U-VALUE) – ALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 100mm S.W. STUD PARTITION, 12.5mm PLASTERBOARD AND SKIM EITHER SIDE WITH 25mm THICK MINERAL WOOL ACOUSTIC INSULATION (10kg/m DENSITY) HUNG IN VOID

- PITCHED ROOF
U-VALUE 0.18W/M²K
MAIN ROOF – PITCH TO MATCH THE EXISTING, APPROXIMATELY 41 DEGREES. ROOF COVERED IN PLAIN ROOF TILES TO MATCH AND MARRY TO THE EXISTING ON 38x25mm SW TILING BATTENS AT GAUGE TO SUIT ON TYVEK SUPRO PLUS BREATHER MEMBRANE. INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS ON SW RAFTERS TO THE STRUCTURAL ENGINEERS DESIGN WITH 1 LAYER OF 150mm THICK QUILT INSULATION LAID BETWEEN CEILING JOISTS AND 1 LAYER OF 150mm THICK QUILT INSULATION CROSS LAID OVER CEILING JOISTS, ALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. FINISH TO UNDERSIDE IN 15mm FIRELINE BOARD AND SKIM.
- PROPRIETARY RIDGE AND SOFFIT VENTILATOR SYSTEM TO BE PROVIDED. GLUEVALE SV609 (OR EQUAL APPROVED) SOFFIT VENTILATOR PROVIDING 25,000sq.mm/sq.m OF VENTILATION PLUS GLUEVALE GS2 HALF ROUND RIDGE VENTILATOR AT MINIMUM 2.4m CENTRES PROVIDING 5000sq.m/m RUN OF VENTILATION, INCLUDING RV RAFTER VENTILATOR, ALL INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- PITCHED ROOF
U-VALUE 0.18W/M²K
SLOPING CEILING – PITCH TO MATCH THE EXISTING, APPROXIMATELY 41 DEGREES. ROOF COVERED IN PLAIN ROOF TILES TO MATCH AND MARRY TO THE EXISTING ON 38x25mm SW TILING BATTENS AT GAUGE TO SUIT ON TYVEK SUPRO PLUS BREATHER MEMBRANE. INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS ON SW RAFTERS TO THE STRUCTURAL ENGINEERS DESIGN WITH 1 LAYER OF 125mm THICK KINGSPAN K107 INSULATION LAID BETWEEN RAFTERS AND 1 LAYER OF 32.5mm THICK KINGSPAN K118 INSULATION (INCORPORATING 12.5mm PLASTERBOARD) FIXED TO THE UNDERSIDE OF THE RAFTERS ALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- PROPRIETARY RIDGE AND SOFFIT VENTILATOR SYSTEM TO BE PROVIDED, AS ABOVE.
- FLAT ROOF CONSTRUCTION:
MIN. U-VALUE OF 0.18 W/M²K
FULLY ADHERED ICOPAL SINGLE PLY MEMBRANE ROOFING SYSTEM INSTALLED BY SPECIALIST ON 120MM THICK KINGSPAN THERMAROOF TR27 LPC/FM INSULATION BOARD ON 1000G (0.25MM) POLYTHENE VAPOUR CONTROL LAYER ON 18MM THICK WBP PLYWOOD DECK ON TSW FIRRINGS WITH MIN. DEPTH OF 25MM AND SET AT MIN. 1:60 PITCH ON TIMBER ROOF MEMBERS AS THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATION. CLEAR VENTILATED CAVITY BETWEEN RAFTERS AND FINISHED ON THE UNDERSIDE WITH 12.5mm GYPROC WALLBOARD AND SKIM.
- NEW GROUND FLOOR TO EXTENSION – 75mm SAND CEMENT SCORED ON 500g POLYTHENE ISOLATING MEMBRANE ON 75mm KOOLTHERM K103 INSULATION BOARD (WITH 30mm PERIMETER INSULATION) ON 1200g INSULEEN DPM LAPPED UP WALLS AND UNDER DPCs ON 150mm THICK BLOCK AND BEAM FLOOR DETAILED AS THE STRUCTURAL ENGINEERS DRAWINGS WITH MINIMUM 300mm AIR VOID BELOW. ALL COMPONENTS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- FIRST FLOOR – 18mm CHIPBOARD FLOORING ON SW FLOOR JOISTS LAID BETWEEN THE EXISTING JOISTS ALL AS SPECIFIED BY THE STRUCTURAL ENGINEER. PROVIDE 100mm DENSE MINERAL WOOL INSULATION BETWEEN JOISTS. FINISH UNDERSIDE WITH 15mm FIRELINE BOARD AND SKIM.
- GARAGE FLOOR – 100mm CONCRETE SCORED ON BLOCK AND BEAM FLOOR
- GARAGE CEILING – 22mm T & G FLOORING GRADE CHIPBOARD LAID OVER FLOOR JOISTS TO THE STRUCTURAL ENGINEERS SPECIFICATION WITH 90mm THICK KINGSPAN THERMAFLOOR 1770 INSULATION BOARD LAID BETWEEN JOISTS AND FINISHED ON THE UNDERSIDE WITH 15mm FIRELINE BOARD AND SKIM

KEY	
10.350	EXISTING LEVEL
10.200	PROPOSED LEVEL
NEW LEVELS SHOWN ARE INDICATIVE ONLY. CONTRACTOR TO VERIFY ALL LEVELS / FALLS ETC BEFORE COMMENCING WORK	

DOOR LEGEND

SIZE OF INDIVIDUAL DOOR LEAF WIDTHS ARE SHOWN. ALL INTERNAL DOORS 1981mm HIGH, ALLOW FOR BUILDING IN AS BELOW

- DOORS – 900X1981MM DOOR – STRUCTURAL OPENING 970w x 2040h
838x1981mm DOOR – STRUCTURAL OPENING 910w x 2040h
762x1981mm DOOR – STRUCTURAL OPENING 835 x 2040h
686x1981mm DOOR – STRUCTURAL OPENING 760w x 2040h
FD DENOTES HALF HOUR FIRE DOOR
FD/S DENOTES HALF HOUR FIRE DOOR WITH SMOKE SEALS

Drawing No. SECTION LINE REFERENCE
Section name

- VENTILATION
[E] Extract fan – wall mounted
[C] [E] Extract fan – ceiling mounted
[CH] [E] Extract fan – through cooker hood
[W] – denotes vent through wall
[RV] – denotes vent through roof
--- 100mm dia flexiduct in 15mm p/board duct
- [SD] Smoke detector (Mains operated and interconnected)
[HD] Heat detector (Mains operated and interconnected)

STRUCTURES

- BEAM / LINTOL / TRIMMER JOIST – REFER TO THE STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATION FOR DETAILS
[P] PADSTONE REFER TO THE STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATION FOR DETAILS
[V] VERTICAL POST / COLUMN REFER TO THE STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATION FOR DETAILS
ALL STRUCTURAL STEELWORK TO RECEIVE ½ HOUR FIRE PROTECTION (HALF-HOUR FIRE RATED BUILDING). FOR THE EXACT SIZING AND POSITIONING OF BEAMS, REFER TO STRUCTURAL ENGINEERS DRAWINGS

THE OPENINGS FOR VENTILATION OF THE FLOOR VOID WILL NOT BE LESS THAN EITHER 1500MM²/M RUN OF EXTERNAL WALL OR 500MM²/M² OF FLOOR AREA, WHICHEVER GIVES THE GREATER OPENING AREA. VENTILATION OPENINGS WILL INCORPORATE SUITABLE GRILLES WHICH PREVENT THE ENTRY OF VERMIN. IT MUST BE ENSURED THAT THE NEW FLOOR DOES NOT COMPROMISE THE EXISTING SUB FLOOR VENTILATION OR DRAINAGE ARRANGEMENTS. CALCULATIONS CONFIRM A MINIMUM OF 5 VENTS ARE REQUIRED

INDICATES UNDERFLOOR HEATING SYSTEM. GENERALLY UNDERFLOOR HEATING TO THE GROUND FLOOR EXTENSION/S WITH WET SYSTEM ELSEWHERE IE EXISTING GROUND FLOOR AND THE WHOLE OF THE UPPER FLOOR

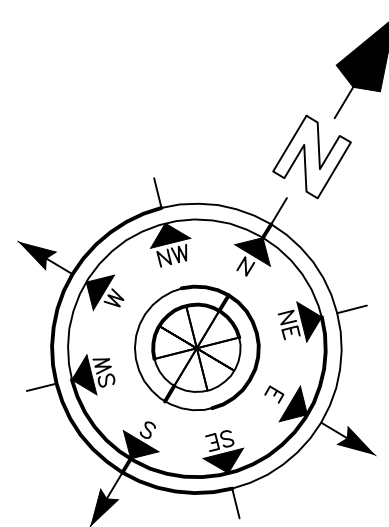
- [UFI] TOUCHED GLASS
[UG] OBSCURE GLASS

NOTES

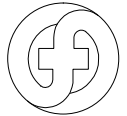
DO NOT SCALE OFF THIS DRAWING.
CHECK ALL DIMENSIONS ON SITE BEFORE ANY WORK IS COMMENCED
ALL GOODS MATERIALS AND WORKMANSHIP MUST CONFORM WITH CURRENT BUILDING REGULATIONS, BRITISH STANDARDS AND CODES OF PRACTICE
COPYRIGHT OF THIS DRAWING IS RETAINED BY THE ARCHITECT AND IT MUST NOT BE REPRODUCED WITHOUT WRITTEN CONSENT

KEY:

- FCH 2.85 Ceiling Height
F-C 0.78 Window – Floor to Cill
C-H 0.95 Window – Cill to Head
DH 2.02 Door Height
BH 2.38 Beam Height
▽ FFL First Flr Finish Floor Level



A	11-08-20	jb	TIMBER-SURROUND-CHANGED TO RECTANGULAR
REV	DATE	BY	AMENDMENT

**folkes architects**

1 01903 866620
1 01903 816496
info@folkesarchitects.co.uk

The Old Forge
6 Church Street
Sittingbourne
West Sussex
PO13 8LA

CLIENT
James and Ellie Rowan
JOB TITLE
5 Bernard Road Arundel BN18 9EP

DRAWING TITLE		
Roof plan		
TENDER ISSUE		

DATE	SCALE	DRAWN BY
Jan 2020	1:50@A1	jb
		CHECKED BY
		MF
JOB NO.	DRAWING NO.	REVISION
19018	4.03	A