GENERAL:

- DRAWINGS TO BE READ IN CONJUNCTION WITH DOCUMENT **FA-R-20-17 - SPECIFICATION.**
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEERS DETAILS AND CALCULATIONS
- DO NOT SCALE FROM THIS DRAWING
- LANDSCAPING INDICATIVE ONLY AND SUBJECT TO A FULL DETAILED DESIGN
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REGULATIONS AND RELEVANT CODES OF PRACTICE AND BRITISH STANDARDS.
- UNLESS OTHERWISE NOTED, DIMENSIONS ARE SHOWN TO STRUCTURE

ALL DIMENSIONS TO BE CHECKED ON SITE

BUILDING SAFETY ACT

THE CLIENT MUST ABIDE BY THEIR DUTIES AS DEFINED WITHIN THE BUILDING SAFETY ACT 2022 WHICH RELATE TO ANY BUILDING WORKS.

CDM REGULATIONS

THE CLIENT MUST ABIDE BY THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015 WHICH RELATE TO ANY BUILDING WORKS WHICH:

(a) LASTS LONGER THAN 30 WORKING DAYS AND HAS MORE THAN 20 WORKERS WORKING SIMULTANEOUSLY AT ANY POINT IN THE PROJECT.

OR:

(b) EXCEEDS 500 PERSON DAYS.

N.B THIS LIST IS NOT EXHAUSTIVE AND THE PC (PRINCIPAL CONTRACTOR) HAS A DUTY TO CO-OPERATE, COMMUNICATE AND CO-ORDINATE WITH THE PD (PRINCIPAL DESIGNER) AND DESIGN TEAM AND COMPILE A COMPREHENSIVE RISK REGISTER WITH METHODS OF WORK STATEMENTS AT THE DESIGN STAGE PRIOR TO COMMENCEMENT OF WORK ON SITE. RISKS SHALL BE ANTICIPATED, REDUCED AND OR AVOIDED WHERE POSSIBLE. THIS LIST SERVES TO HIGHLIGHT KEY RISKS IDENTIFIED BY THE DESIGN TEAM AND PD IN THE CONSTRUCTION, USE AND MAINTENANCE OF THE BUILDING.

REFER TO DESIGNERS CDM HAZARD IDENTIFICATION AND ANALYSIS AND OPTION MATRIX FOR FURTHER INFORMATION

CDM - RISK REGISTER

1. HAZARD - WORKING AT HEIGHT
ADEQUATE PROVISION OF SAFE ACCESS VIA SCAFFOLDING DURING THE WORKS. WORKING AT HEIGHT RULES TO BE OBSERVED DURING CONSTRUCTION PHASE AND FOR ALL ROUTINE ROOF MAINTENANCE INCLUDING GUTTER MAINTENANCE.

2. HAZARD - FALLING OBJECTS
CONSTRUCTION WORKERS TO BE PROTECTED FROM FALLING OBJECTS FROM WORKS TO ROOF DURING THE CONSTRUCTION WORKS

3. HAZARD - COLLAPSING STRUCTURE
TEMPORARY WORKS AND RESTRAINTS REQUIRED TO PROPOSED RETAINING WALLS DURING THE CONSTRUCTION WORKS, CONTRACTOR AND STRUCTURAL ENGINEER TO CO-ORDINATE.

4. HAZARD - MANUAL HANDLING
MANUAL LIFTING RULES TO BE OBSERVED WHEN ASSESSING WEIGHTS OF CONSTRUCTION MATERIALS. IF BLOCK WORK EXCEEDS 20KG, 2 x MAN LIFT REQUIRED. PC AND SUB-CONTRACTOR TO CARRY OUT RISK ASSESSMENT PRIOR TO COMMENCEMENT.

5. HAZARD - GLAZING PANELS
CONSTRUCTION & MAINTENANCE - NEW GLAZING WILL REQUIRE ROUTINE MAINTENANCE/CLEANING. IT IS CONSIDERED THAT THE HEIGHT OF THE GLAZING IS WITHIN THE LIMITS OF EXTENDABLE WINDOW CLEANING EQUIPMENT AND IT IS THEREFORE FORESEEN THAT WINDOW CLEANING OPERATIVES WILL CARRY OUT THE WORK FROM GROUND LEVEL. WHERE HEIGHTS OF WINDOWS OR ACCESS ISSUES PRECLUDE EXTERNAL MAINTENANCE INTERNALLY HINGED WINDOW FRAMES WILL BE SPECIFIED FOR CLEANING / MAINTENANCE. IN THE UNLIKELY EVENT THAT A FULL HEIGHT GLAZING PANEL NEEDS TO BE REPLACED, THE OCCUPIER SHOULD ARRANGE TO DO SO OBSERVING THE 20KG LIFTING TWO MAN LIFT RULE.

6. HAZARD - LINTEL COLUMN & BEAM INSTALLATION
CONSTRUCTION LINTELS & BEAMS/STRUCTURAL ELEMENTS TO BE LIFTED INTO PLACE WITH APPROPRIATE EQUIPMENT BY SKILLED OPERATIVES.

IN ALL CASES - REFER TO CDM RISK REGISTER PROVIDED BY MAIN CONTRACTOR

ABBREVIATION NOTES:

RWP	RAINWATER DOWNPIPE
SVP	SOIL VENT PIPE
AAV	AUTOMATIC AIR VALVE
TG	TOUGHENED GLASS
	MECHANICAL EXTRACT
S H C	SMOKE/HEAT/CARBON MONOXIDE DETECTOR
	DENOTES PROPOSED DRAINAGE RUNS
	DENOTES ASSUMED EXISTING DRAINAGE RUNS
	DENOTES SITE BOUNDARY
	DENOTES INDICATIVE POSITION OF STRUCTURE OVERHEAD TO STRUCTURAL ENGINEER'S DETAILS & SPECIFICATION
	DENOTES SOIL VENT PIPE
	DENOTES DEMOLITION LINES
500	DENOTES AS EXISTING SURVEYED DIMENSIONS
500	DENOTES PROPOSED DIMENSIONS
	DENOTES MINIMUM 30 MINUTE CAVITY BARRIER - PARTY WALL
	DENOTES MINIMUM 30 MINUTE CAVITY CLOSER

WALL LEGEND

WT01 - EXTERNAL MASONRY WALL ABOVE RETAINING WALL

- TO ACHIEVE U-VALUE 0.13 W/M²K
- 20MM TWO COAT SAND/CEMENT RENDER TO COMPLY TO BS EN 13914-1 WITH WATERPROOF ADDITIVE
- 100MM 7.3N DENSE CONCRETE BLOCKS, 1.13 W/M²K
- 55MM CLEAR RESIDUAL CAVITY
- 120MM KINGSPAN K108 INSULATION BOARD WITH INSULATION RETAINING CLIPS
- 100MM 7.3N DENSE CONCRETE BLOCKS, 1.13 W/M²K
- 6MM PARGE COAT TO INNER LEAF OF BLOCKWORK
- INTERNAL FINISH TO BE 12.5MM PLASTERBOARD ON 10MM DABS
- STAINLESS STEEL WALL TIES AT 750MM CTS HORIZONTALLY, 450MM VERTICALLY AND 225MM CTS AT REVEALS AND CORNERS IN STAGGERED ROWS
- WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR

WT02 - EXTERNAL MASONRY RETAINING WALL

- TO ACHIEVE MIN U-VALUE 0.18 W/M²K
- RC RETAINING WALL TO STRUCTURAL ENGINEER'S DESIGN AND DETAIL WITH RIW WATERPROOFING TO BOTH SIDES (SEE DETAIL)
- 100MM 7.3N DENSE CONCRETE BLOCKS, 1.13 W/M²K E.G. STOWELL.
- 175MM CAVITY
- FULL FILL THE CAVITY WITH WITH ROCKWOOL FULL CAVITY BATT
- 100MM BLOCKWORK INNER LEAF - STRENGTH CLASS TO STRUCTURAL ENGINEER'S DESIGN
- 6MM PARGE COAT TO INNER LEAF OF BLOCKWORK
- INTERNAL FINISH TO BE 12.5MM PLASTERBOARD ON 10MM DABS
- STAINLESS STEEL WALL TIES AT 750MM CTS HORIZONTALLY, 450MM VERTICALLY AND 225MM CTS AT REVEALS AND CORNERS IN STAGGERED ROWS
- WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR

WT03 - EXTERNAL MASONRY WALL - COMPOSITE CLADDING

- TO ACHIEVE U-VALUE 0.18 W/M²K
- 50MM COMPOSITE CLADDING PANELS TO CLIENT APPROVAL
- 25MM BATTENS (AND COUNTER BATTENS IF REQUIRED FOR VENTED AND DRAINED CAVITY)
- IF REQUIRED BY BCO, LINE OUTERSKIN OF BLOCKWORK WITH TYVEK HOUSE WRAP
- 100MM 7.3N DENSE CONCRETE BLOCKS, 1.13 W/M²K 55MM CLEAR RESIDUAL CAVITY
- 120MM KINGSPAN K108 INSULATION BOARD WITH INSULATION RETAINING CLIPS
- 100MM 7.3N DENSE CONCRETE BLOCKS, 1.13 W/M²K
- 6MM PARGE COAT TO INNER LEAF OF BLOCKWORK
- INTERNAL FINISH TO BE 12.5MM PLASTERBOARD ON 10MM DABS
- STAINLESS STEEL WALL TIES AT 750MM CTS HORIZONTALLY, 450MM VERTICALLY AND 225MM CTS AT REVEALS AND CORNERS IN STAGGERED ROWS
- WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR

WT04 - INTERNAL MASONRY WALL

- CONSTRUCT NON LOAD BEARING INTERNAL MASONRY PARTITIONS USING DENSE CONCRETE BLOCKS BUILT OFF THICKENED FLOOR SLAB
- WALL TO BE TIED AT 225MM CENTRES WITH PROPRIETARY STEEL PROFILES OR BLOCK BONDED TO ALL INTERNAL AND EXTERNAL WALLS
- WALLS FACED THROUGHOUT WITH 6MM PARGE COAT, 12.5MM PLASTERBOARD ON 10MM DABS WITH SKIM PLASTER FINISH READY TO RECEIVE DECORATION
- WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR

WALL TYPE WT05 - INTERNAL WALL

- 89MM x 38MM SW TREATED STUDS AT 400 - 600MM CTS WITH HEAD AND SOLE PLATES AND SOLID INTERMEDIATE HORIZONTAL NOGGINS AT 1/3 HEIGHT OR 450MM.
- PROVIDE MIN 10KG/M³ DENSITY ACOUSTIC SOUNDPROOF QUILT TIGHTLY PACKED (EG. 100MM ROCKWOOL OR ISOWOOL MINERAL FIBRE SOUND INSULATION) IN ALL VOIDS THE FULL DEPTH OF THE STUD.
- LINE DRY SIDES WITH 2 x LAYERS OF 12.5MM GYPROC FIRELINE PLASTERBOARD WHERE FORMING PROTECTED FIRE ESCAPE ROUTE AND FINISH WITH 3MM SKIM READY TO RECEIVE DECORATION.
- ELSEWHERE LINE DRY SIDES WITH 2 x LAYERS OF 12.5MM GYPROC SOUNDBLOC PLASTERBOARD WITH 3MM SKIM READY TO RECEIVE DECORATION
- AREAS SUSCEPTIBLE TO HIGH LEVELS OF MOISTURE (E.G. KITCHEN) TO RECEIVE MOISTURE RESISTANT PLASTERBOARD

ROBUST FIXINGS

- IF REQUIRED APPLY 1 x LAYER OF 18MM WBP PLY TO ACT AS ROBUST FIXING FOR CABINETRY IN LIEU OF 1 X LAYER OF PLASTERBOARD.

WALL TYPE WT06 - INTERNAL WALL LINING

WHERE INDICATED ON PLAN LINE STUDS WITH:

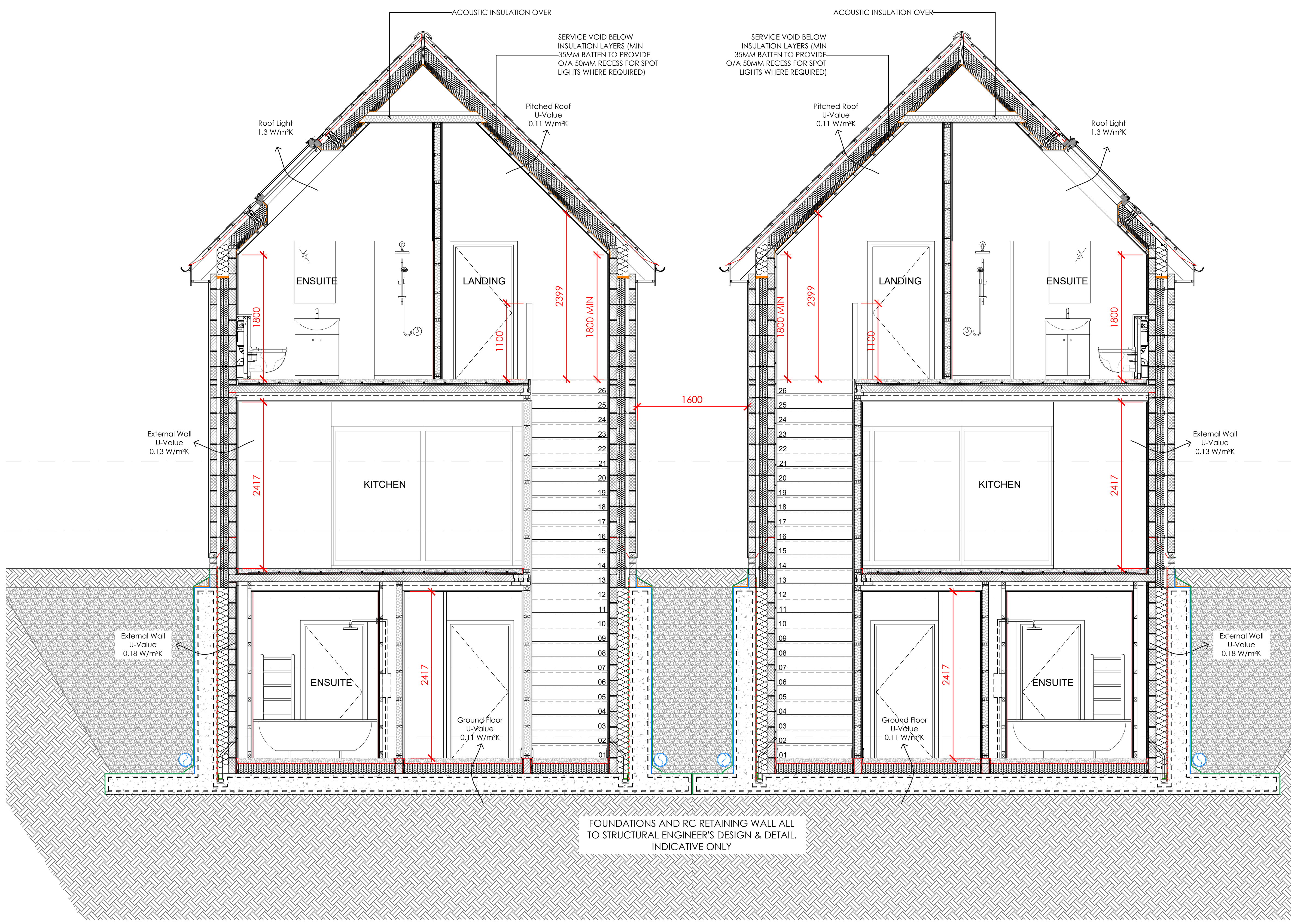
- 12MM HARDIBACKER CEMENT BOARD
- APPLY TANKING SLURRY SUITABLE FOR WET ROOM APPLICATIONS
- 6MM TILE ADHESIVE (OR DEPTH AS SPECIFIED BY TILE MANUFACTURER INSTALLATION GUIDANCE)
- FINISH WITH 12MM TILES & GROUT TO CLIENT SPECIFICATION
- IF REQUIRED FOR ROBUST FIXING INCLUDE 1 x LAYER OF 18MM MARINE GRADE PLY TO THE REAR FACE OF CEMENT BOARD - FOR EXAMPLE - TO RECEIVE SHOWER CONTROL UNIT OVER BATH

WALL TYPE WT07 - INTERNAL WALL

- 89MM x 38MM SW TREATED STUDS AT 400 - 600MM CTS WITH HEAD AND SOLE PLATES AND SOLID INTERMEDIATE HORIZONTAL NOGGINS AT 1/3 HEIGHT OR 450MM.
- LINE DRY SIDES WITH 2 x LAYERS OF 12.5MM GYPROC FIRELINE PLASTERBOARD WHERE FORMING PROTECTED FIRE ESCAPE ROUTE AND FINISH WITH 3MM SKIM READY TO RECEIVE DECORATION.
- ELSEWHERE LINE DRY SIDES WITH 2 x LAYERS OF 12.5MM GYPROC SOUNDBLOC PLASTERBOARD WITH 3MM SKIM READY TO RECEIVE DECORATION
- AREAS SUSCEPTIBLE TO HIGH LEVELS OF MOISTURE (E.G. KITCHEN) TO RECEIVE MOISTURE RESISTANT PLASTERBOARD

ROBUST FIXINGS

- IF REQUIRED APPLY 1 x LAYER OF 18MM WBP PLY TO ACT AS ROBUST FIXING FOR CABINETRY IN LIEU OF 1 X LAYER OF PLASTERBOARD.



PROPOSED SECTION B
SCALE 1:50

1:50 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 m

MAIN ROOF STRUCTURE:

- ROOF STRUCTURE TO BE DESIGNED BY AN ENGINEER IN ACCORDANCE WITH NHBC TECHNICAL REQUIREMENT R5 STRUCTURAL DESIGN. CALCULATIONS TO BE BASED ON BS EN 1995-1-1:2004 EUROCODE 5: DESIGN OF TIMBER STRUCTURES (+A2:2014). CALCULATIONS AND STRUCTURAL DRAWINGS TO BE SUBMITTED TO BCO FOR APPROVAL.
- GRADE C24 RAFTERS AT MAX 400MM CENTRES, SPAN TO ENGINEER'S DETAILS. RAFTERS SUPPORTED ON 100 X 50MM SW WALL PLATES

ROOF COVERING:

- NATURAL GREY SLATE ROOFING TILES
- 25 x 38MM TANALISED SW TREATED BATTENS
- 25 x 38MM TANALISED SW COUNTER BATTENS
- KINGSPAN NILVENT BREATHABLE MEMBRANE

VENTILATION:

- PROPRIETARY EAVES CARRIER SYSTEM TO MAINTAIN 50MM ABOVE INSULATION LAYERS
- PROPRIETARY DRY RIDGE VENT TILES

INSULATION AND INTERNAL FINISH:

- TO ACHIEVE U-VALUE 0.11 W/M²K
- 150MM KINGSPAN K107 BETWEEN RAFTERS
- 72.5MM KINGSPAN K118 INSULATED PLASTERBOARD BELOW RAFTERS ALL JOINTS TAPED TO FORM VCL
- 35MM BATTEN ZONE FOR SERVICES (TOTAL RECESS FOR DOWNLIGHTERS = 50MM)
- 15MM GYPROC FIRELINE PLASTERBOARD
- FINISH 3MM SKIM COAT OF FINISHING PLASTER READY TO RECEIVE DECORATION

INTERMEDIATE FLOORS

- PCC BEAMS TO BE SUPPLIED AND FIXED TO BEAM MANUFACTURER'S PLAN, LAYOUT AND DETAILS (DETAILS AND CALCULATIONS TO BE SENT TO BUILDING CONTROL FOR APPROVAL BEFORE WORKS COMMENCE).
- BEAM TO HAVE A MINIMUM BEARING OF 100MM ONTO LOAD BEARING WALLS.
- PROVIDE CONCRETE BLOCKS TO BS EN 772-2, WET AND GROUT ALL JOINTS WITH 1:4 CEMENT/SAND MIX.
- PROVIDE DOUBLE BEAMS BELOW NON-LOAD BEARING PARTITIONS.
- INTERMEDIATE FLOORS SHOULD HAVE A LAYER OF INSULATION TO REDUCE DOWNWARDS HEAT TRANSMISSION WITH A THERMAL RESISTANCE OF NOT LESS THAN 0.75(M2 ·K)/W.
- LAY 25MM KINGSPAN K103 FLOOR INSULATION OVER BEAM AND BLOCK FLOOR APPLIED AS A RIGID MATERIAL.
- 25MM INSULATION TO CONTINUE AROUND FLOOR PERIMETERS TO AVOID THERMAL BRIDGING. JOINTS BETWEEN INSULATION BOARDS TO BE PROPERLY TAPED TO PREVENT SEEPAGE OF SCREED.
- LAY 500G SEPARATING LAYER OVER INSULATION AND PROVIDE 75MM SAND/CEMENT SCREED OVER AND PREPARE FOR FLOOR FINISHES AS REQUIRED.
- SCREEDS TO BE ISOLATED AT ALL EDGES, ABUTMENTS AND COLUMNS TO ALLOW FOR MOVEMENT DUE TO THERMAL LOADINGS. JOINTS TO BE FILLED WITH A SUITABLE FLEXIBLE FILLER. GROUT MUST NOT BE USED. THE MANUFACTURERS' GUIDANCE FOR BOTH THE FLOOR SCREED AND THE TILING MUST BE FOLLOWED TO DETERMINE THE MINIMUM THICKNESS OF EDGE STRIP REQUIRED TO ALLOW FOR EXPANSION.
- ALLOW MINIMUM 75MM SERVICE VOID TO UNDERSIDE OF BEAM AND BLOCK FLOOR
- FINISH WITH 15MM GYPROC FIRELINE PLASTERBOARD AND 3MM SKIM READY TO RECEIVE DECORATION.

UNDERFLOOR HEATING

- UNDERFLOOR HEATING INSTALLATION TO BE DESIGNED AND SPECIFIED AS AN INTEGRATED PACKAGE BY THE SYSTEM MANUFACTURER TO ENSURE COMPATIBILITY OF ALL THE COMPONENTS.
- PIPEWORK LOOPS DESIGN, LAYOUT AND SIZING OF THE SYSTEM TO BE IN ACCORDANCE WITH BS EN 1264[1-5]. THE MOST APPROPRIATE LAYOUT FOR A PARTICULAR APPLICATION SHOULD BE CONFIRMED BY THE SYSTEM MANUFACTURER.
- MAXIMUM FLOOR TEMPERATURE TO BE 29°C, OR 27°C WHERE FLOOR TILING OR RESILIENT FLOOR IS PROPOSED IN COMPLIANCE WITH BS EN1264-2[1].
- PIPEWORK TO BE INSTALLED DIRECTLY TO RIGID INSULATION USING PROPRIETARY CLIP RAILS AND CLIPS. SPACED IN ACCORDANCE WITH PIPE LAYOUT DESIGN.
- PIPEWORK LOOPS TO BE CHARGED WITH WATER AND PRESSURE TESTED PRIOR BEFORE SCREED IS POURED.
- PIPEWORK LOOPS LEADING TO AND FROM THE MANIFOLDS TO BE KEPT FREE OF ANY SHARP BENDS THAT COULD RESTRICT THE FREE FLOW OF WATER. WHERE 90° BENDS ARE REQUIRED, METAL FORMERS TO BE USED TO PREVENT TWISTING AND CONSTRICTION.
- ALL JOINTS BETWEEN THE MANIFOLD AND PIPEWORK LOOPS ARE TO BE ACCOMMODATED ABOVE THE LEVEL OF SCREED. NO JOINTS TO BE EMBEDDED IN THE SCREED.
- PIPEWORK LOOPS SHOULD NOT EXTEND RIGHT TO THE EDGE OF THE FLOORS AND UNDER THE SKIRTING BOARDS. PIPEWORK FIXINGS TO MAINTAIN THE INTEGRITY OF THE INSULATION AND OTHER MATERIALS.
- EACH ROOM SHOULD BE PROVIDED WITH THERMOSTATIC ROOM CONTROLS, CAPABLE OF BEING USED TO SEPARATELY ADAPT THE HEATING OUTPUT IN EACH ROOM SERVED BY THE HEATING APPLIANCE.
- LABELLING TO BE PROVIDED TO ENABLE EFFECTIVE INSPECTION, COMMISSIONING, MAINTENANCE AND REPAIRS OF THE UNDERFLOOR HEATING INSTALLATION AND TO IDENTIFY THE ROOMS TO WHICH INDIVIDUAL PORTS OF THE MANIFOLD ARE CONNECTED.
- ALL INSTALLED EQUIPMENT IN UNDERFLOOR HEATING SYSTEMS TO BE COMMISSIONED IN ACCORDANCE WITH BS EN 1264-4 BEFORE FLOOR FINISH IS APPLIED.

SOLID FLOOR INSULATION OVER SLAB

TO MEET U VALUE OF 0.11 W/M²K

- SOLID GROUND FLOOR TO CONSIST OF 150MM CONSOLIDATED WELL-RAMMED HARDCORE, BLINDED WITH 50MM SAND BLINDING.
- PROVIDE 100MM ST2 OR GEN2 GROUND BEARING SLAB CONCRETE MIX TO CONFORM TO BS 8500-2:2023 AND BS EN 206 OVER A 1600 GAUGE RADON POLYTHENE DPM 300MM DOUBLE WELTED AND TAPED WITH GAS PROOF TAPE AT JOINTS AND SERVICE ENTRY POINTS.
- DPM TO BE LAPPED IN WITH DPC / RIW WATERPROOFING IN RETAINING WALLS.
- FLOOR TO BE INSULATED OVER SLAB AND DPM WITH MIN 150MM THICK KINGSPAN KOOLTHERM INSULATION.
- 25MM INSULATION TO CONTINUE AROUND FLOOR PERIMETERS TO AVOID THERMAL BRIDGING.
- A VCL SHOULD BE LAID OVER THE INSULATION BOARDS AND TURNED UP 100MM AT ROOM PERIMETERS BEHIND THE SKIRTING, ALL JOINTS TO BE LAPPED BY 150MM AND SEALED.
- FINISH WITH 75MM SAND/CEMENT FINISHING SCREED WITH LIGHT MESH REINFORCEMENT.
- WHERE DRAIN RUNS PASS UNDER NEW FLOOR, PROVIDE A142 MESH 1.0M WIDE AND MIN 50MM CONCRETE COVER OVER LENGTH OF DRAIN.
- SCREEDS TO BE ISOLATED AT ALL EDGES, ABUTMENTS AND COLUMNS TO ALLOW FOR MOVEMENT DUE TO THERMAL LOADINGS. JOINTS TO BE FILLED WITH A SUITABLE FLEXIBLE FILLER. GROUT MUST NOT BE USED. THE MANUFACTURERS' GUIDANCE FOR BOTH THE FLOOR SCREED AND THE TILING MUST BE FOLLOWED TO DETERMINE THE MINIMUM THICKNESS OF EDGE STRIP REQUIRED TO ALLOW FOR EXPANSION.

DRAINED CAVITY WATER PROOFING SYSTEM

NOTE: CONSULTATION REQUIRED WITH RIW FOR APPROVED DETAILS AND METHOD. WATERPROOFING DESIGN IN ABEYANCE UNTIL RC RETAINING STRUCTURE DESIGNED BY STRUCTURAL ENGINEER.

TYPE C DRAINED PROTECTION IN ACCORDANCE WITH BS 8102:2022.
RIW CAVITY DRAIN SYSTEM AS BBA CERTIFICATE FOR USE IN NEW CONSTRUCTIONS.
ENSURE THAT ALL MATERIALS AND PRODUCTS ARE COMPATIBLE. ASSESS STRUCTURE FOR SUITABILITY OF TANKING SYSTEM. THE SURFACE MUST BE EXAMINED FOR DEFECTS AND REPAIRED IN ACCORDANCE WITH MANUFACTURER'S DETAILS. ALL RETAINING ELEMENTS ARE TO BE DETAILED BY A STRUCTURAL ENGINEER.
ALL MATERIALS AND PRODUCTS TO BE INSTALLED BY A COMPETENT CONTRACTOR STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, BS 8102 AND BBA CERTIFICATE.

PREPARE WALL BY CLEANING WITH A STIFF BRUSH. PROVIDE A HIGH DENSITY POLYTHENE (HDPE) CAVITY DRAIN MEMBRANE, E.G. RIW CAVITY DRAIN, FIXED USING RIW BRICK PLUGS TO WALL AND FLOOR SLAB STAGGERED AT 1M CENTRES. FIXINGS TO BE SEALED USING RIW SEALING ROPE.
THE HORIZONTAL AND VERTICAL SHEETS SHOULD BE BUTT JOINTED AT THE BASE OF THE WALL AND THE JOINT COVERED WITH A PRE-FORMED RIW WALL/FLOOR JUNCTION PIECE AND SEALED WITH PROPRIETARY SEALING TAPE.
THE FLOOR MEMBRANE IS TO BE COVERED BY REINFORCED CONCRETE OR SCREED AT LEAST 65MM THICK.
PROVIDE A SUITABLE DRAINAGE CHANNEL, E.G. RIW AQUA CHANNEL WITHIN THE SLAB AROUND THE PERIMETER OF THE FLOOR AND INSTALL A SUMP AND MECHANICAL PUMP AS MANUFACTURER'S DETAILS WITH SUITABLE ACCESS.
DRAINAGE CHANNEL TO BE PROVIDED WITH AN ADEQUATE FALL TO A SUITABLE SOAKAWAY. ENSURE SUITABLE ACCESS POINTS AND RODDING EYES AT EVERY 10M AND EVERY CHANGE OF DIRECTION.
PENETRATIONS THROUGH WATERPROOFING TO BE KEPT TO A MINIMUM AND FILLED WITH RIW FLEXIBLE SEALANT OR SEALING ROPE DETAILED BY RIW SPECIALIST WATERPROOFING MANUFACTURER WHERE UNAVOIDABLE.
IN VERY HIGH WATER TABLE AREA AN ADDITIONAL MOISTURE BARRIER MAY BE REQUIRED.
CONSTRUCT AN INDEPENDENT MASONRY INNER SKIN WITH AN ADEQUATE CLEAR CAVITY BETWEEN RC WALL AND NEW INNER SKIN FOR CAVITY DRAIN MEMBRANE.

BUILDING REGULATIONS

THIS DOCUMENT DOES NOT CONSTITUTE A WORKING DRAWING AND HAS BEEN PREPARED FOR PRICING & BUILDING REGULATIONS APPROVAL ONLY. NO LIABILITY IS ACCEPTED FOR ANY LOSS OF ANY SORT OR ADDITIONAL EXPENSE INCURRED CONSEQUENT ON ANY FAILURE, REAL OR ALLEGED, OF THE DRAWINGS AND SPECIFICATION.

SPECIALIST SUPPLIERS/SUBCONTRACTORS TO SUBMIT DRAWINGS AND DETAILS TO FREDRICK ADAM ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURE/CONSTRUCTION.

DO NOT SCALE FROM DRAWINGS. WORK TO FIGURED DIMENSIONS. ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO FABRICATION OF COMPONENTS / SETTING OUT. REPORT ANY DISCREPANCIES TO FREDRICK ADAM IMMEDIATELY.

LAND TO THE REAR OF DEERHURST
Mr and Mrs P Wheeler
The Shrave
Four Marks,
Hampshire, GU34 5BH

REVISION	DATE	DESCRIPTION

PROJECT NO: *FA-R-20-17*
MODEL FILE:
DRAWN BY: *HBR*
CHK'D BY: *TAD*

SHEET TITLE

B301
Proposed Section B

FA-R-20-17

Scale: 1: 50 @ A1

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DRAFT - SUBJECT TO REVIEW BY BUILDING CONTROL & STRUCTURAL ENGINEER.
TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DOCUMENTATION