BACK GUTTER ABUTMENT COMPRISING:

AT BACK GUTTER ABUTMENT WITH EXTG CAVITY EXTERNAL WALL PROGRESSIVELY CUT AND REMOVE COURSE OF STONE WALLING OUTER LEAF TO EXTG EXTERNAL WALL AND BUILD IN CAVITY TRAYS LTD, OR EQUAL APPROVED, PREFORMED TYPE 'E' CAVITY TRAY UNITS COMPLETE WITH INTEGRAL 'U' JOINTING CLIPS. TRAYS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS COMPLETE WITH EXTERNAL CORNER TRAYS IF REQUIRED. REINSTATE STONE WALLING OUTER LEAF WITH STONEWORK BEDDED AND POINTED IN MORTAR TO MATCH EXTG AND BUILD IN TYPE 'W' WEEPVENTS INTO PERP JOINTS IN STONE WALLING AT 450MM INTERVALS (ONE WEEPVENT PER CAVITY TRAY UNIT).

BACK GUTTER UNDERLAY AND LEADWORK DRESSED VERTICALLY TO EXTERNAL WALL FACE.

INSTALL CODE 4 LEAD COVER FLASHING IN MAX. 1.5M LENGTHS WITH LEADWORK DRESSED 25MM INTO RAKED OUT BED JOINT BENEATH CAVITY TRAYS AND LEAD WEDGED AND POINTED AND LEADWORK DRESSED VERTICALLY TO WALL FACE TO OVERLAP UPSTAND OF BACK GUTTER LEADWORK.

ALL LEADWORK TO BE NEATLY DRESSED AND TRIMMED AND TREATED WITH PATINATION OIL AS IT IS FIXED TO PREVENT LEAD STAINING.

BACK GUTTER COMPRISING:

50 X 50MM TREATED SW GUTTER SUPPORT BEARER DRILLED, PLUGGED AND SCREWED TO EXTERNAL WALL MASONRY.

100 X 50MM GRADE C16 TREATED SW GUTTER BEARERS CUT AND FITTED TO SIDE OF EACH ROW OF RAFTERS AND NOTCHED OVER SUPPORT BEARER AND SPIKED.

MULTIFOIL INSULATION DRESSED TO TOPS OF RAFTERS AND GUTTER BEARERS AND OVERLAID WITH 25MM THICK TREATED SW GUTTER BOARDS CUT AND FITTED TOGETHER AND SPIKED TO RAFTERS AND GUTTER BEARERS THROUGH INSULATION.

50 X 50MM X 45 DEG TREATED SW ARRIS SPIKED TO GUTTER BOARD AT GUTTER/WALL ANGLE.

ROOF UNDERLAY DRESSED TO ROOF WINDOW AND DRESSED AROUND GUTTER AND DRESSED TO GUTTER UPSTAND.

CODE 5 LEAD GUTTER LINING IN MAX. 1.5M LENGTHS WITH SINGLE WELT OVERLAPS AT JOINTS. LEADWORK DRESSED TO ROOF WINDOW AND DRESSED AROUND GUTTER AND VERTICALLY TO GUTTER UPSTAND IN ONE GIRTH. CODE 4 LEAD COVER FLASHING TO GUTTER LEADWORK UPSTAND BENEATH WALL CAVITY TRAYS AS BEFORE DESCRIBED. ROOF WINDOW FLASHINGS DRESSED TO OVERLAP GUTTER LINING.

GUTTER LEADWORK AT ENDS OF BACK GUTTER TO BE DRESSED TO FORM CHUTES TO DISCHARGE RAINWATER OVER ROOF SLOPES.

ROOF WINDOWS TO FAMILY ROOM TO BE VELUX, OR EQUAL APPROVED, TYPE GGL C02 550 X 780MM CENTRE PIVOT ROOF WINDOWS FACTORY GLAZED WITH CLEAR SEALED DOUBLE GLASS UNITS USING LOW-E TOUGHENED GLASS TO PROVIDE A COMPONENT 'U' VALUE NOT EXCEEDING 1.6 W/sq m K. ROOF WINDOWS COMPLETE WITH TRICKLE VENTILATION FLAP AND TYPE EDZ ROOF FLASHING UNITS. ROOF WINDOWS AND FLASHING UNITS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND FIXING INSTRUCTIONS.

FORM APERTURE IN ROOF RAFTERS FOR ROOF WINDOWS WITH 150 X 50MM GRADE C16 TREATED SW TRIMMERS WITH ALL TRIMMER/TRIMMER AND TRIMMER/TRIMMED RAFTER CONNECTIONS FORMED USING GALV STEEL JOIST HANGERS FULLY NAILED.

ROOF WINDOW APERTURE LININGS COMPRISING:

50MM WIDE TREATED SW PACKING BATTENS TO THICKNESS AS REQUIRED PINNED TO ROOF APERTURE TRIMMERS.

12.5MM THICK GYPROC DUPLEX TAPERED EDGED WALLBOARD APERTURE LININGS SET INTO WINDOW FRAME REBATES AND BOARDS FIXED USING PLASTERBOARD NAILS AT MAX. 150MM CTS TO ALL BOARD EDGES AND INTERMEDIATE SUPPORTS.

THIN COAT PLASTER ANGLE BEADS TO ALL EXTERNAL CORNERS OF APERTURES.

ALL BOARD JOINTS AND ANGLES TO BE FILLED AND TAPED USING GYPROC JOINT TAPE AND BOARDS FINISHED WITH 3MM THICK SKIM COAT OF THISTLE MULTI-FINISH PLASTER.

ROOF STRUCTURE COMPRISING:

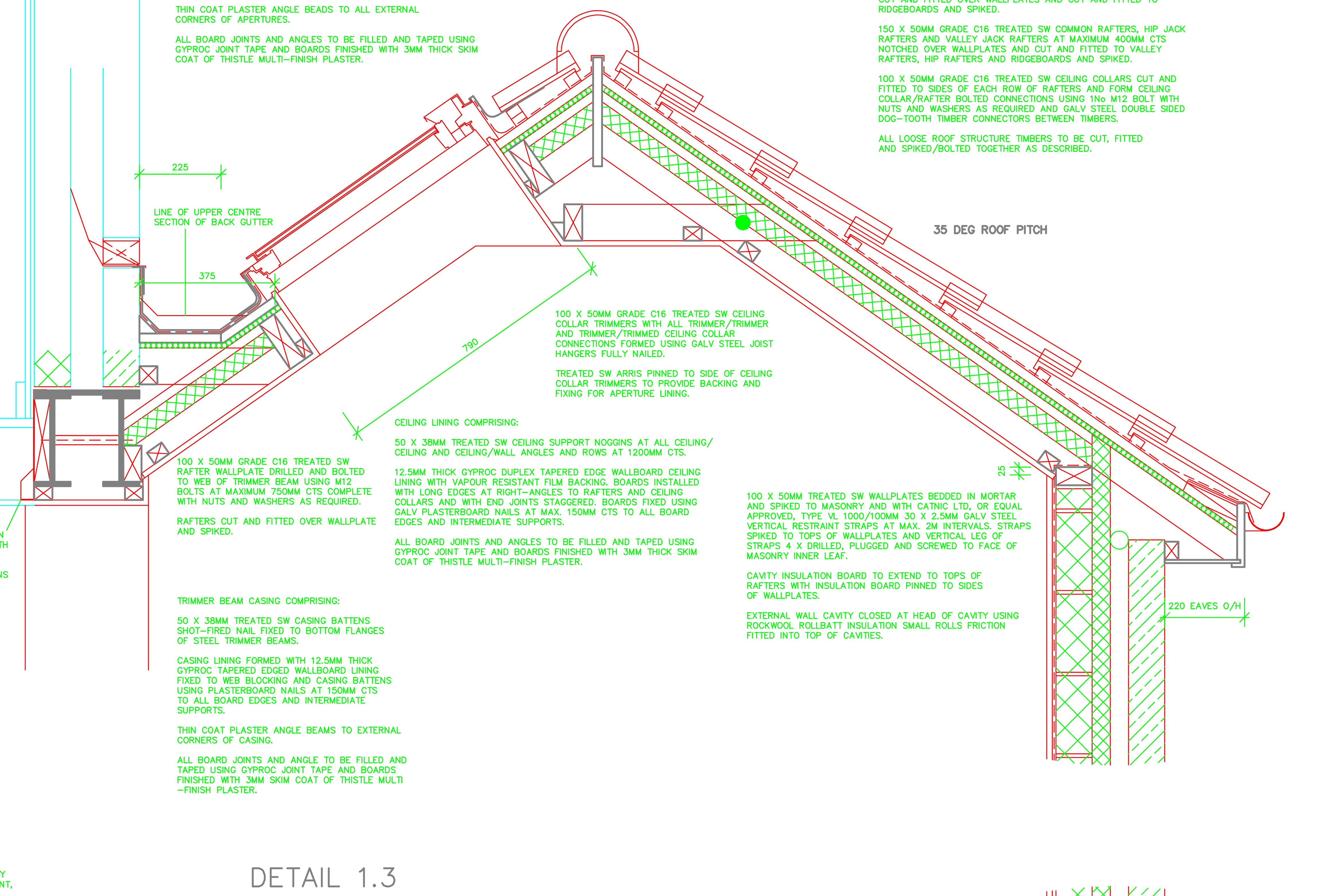
FINNFOREST BUILDING SYSTEMS, OR EQUAL APPROVED, 300 X 27MM KERTO-Q ENGINEERED TIMBER RIDGEBOARD.

200 X 38MM GRADE C16 TREATED SW VALLEY AND HIP RAFTERS CUT AND FITTED OVER WALLPLATES AND CUT AND FITTED TO RIDGEBOARDS AND SPIKED.

150 X 50MM GRADE C16 TREATED SW COMMON RAFTERS, HIP JACK RAFTERS AND VALLEY JACK RAFTERS AT MAXIMUM 400MM CTS NOTCHED OVER WALLPLATES AND CUT AND FITTED TO VALLEY RAFTERS, HIP RAFTERS AND RIDGEBOARDS AND SPIKED.

100 X 50MM GRADE C16 TREATED SW CEILING COLLARS CUT AND FITTED TO SIDES OF EACH ROW OF RAFTERS AND FORM CEILING COLLAR/RAFTER BOLTED CONNECTIONS USING 1No M12 BOLT WITH NUTS AND WASHERS AS REQUIRED AND GALV STEEL DOUBLE SIDED DOG-TOOTH TIMBER CONNECTORS BETWEEN TIMBERS.

ALL LOOSE ROOF STRUCTURE TIMBERS TO BE CUT, FITTED AND SPIKED/BOLTED TOGETHER AS DESCRIBED.



EXTG FIRST FLOOR DECKING

EXTG FIRST FLOOR JOISTS

EXTG CEILING LINING

INSTALL 100MM WIDE TREATED SW BLOCKING FRICTION FITTED INTO WEB OF TRIMMER BEAM TO COINCIDE WITH ENDS OF EXTG FIRST FLOOR JOISTS.

EXTG FIRST FLOOR JOIST/TRIMMER BEAM CONNECTIONS FORMED USING SIMPSON STRONG-TIE, OR EQUAL APPROVED, TYPE JHMI300/53 GALV STEEL MASONRY SUPPORTED JOISTS HANGERS FULLY NAILED.

100 X 50MM GRADE C16 TREATED SW CEILING COLLAR TRIMMERS WITH ALL TRIMMER/TRIMMER AND TRIMMER/TRIMMED CEILING COLLAR CONNECTIONS FORMED USING GALV STEEL JOIST HANGERS FULLY NAILED.

TREATED SW ARRIS PINNED TO SIDE OF CEILING COLLAR TRIMMERS TO PROVIDE BACKING AND FIXING FOR APERTURE LINING.

CEILING LINING COMPRISING:

50 X 38MM TREATED SW CEILING SUPPORT NOGGINS AT ALL CEILING/ CEILING AND CEILING/WALL ANGLES AND ROWS AT 1200MM CTS.

12.5MM THICK GYPROC DUPLEX TAPERED EDGE WALLBOARD CEILING LINING WITH VAPOUR RESISTANT FILM BACKING. BOARDS INSTALLED WITH LONG EDGES AT RIGHT-ANGLES TO RAFTERS AND CEILING COLLARS AND WITH END JOINTS STAGGERED. BOARDS FIXED USING GALV PLASTERBOARD NAILS AT MAX. 150MM CTS TO ALL BOARD EDGES AND INTERMEDIATE SUPPORTS.

ALL BOARD JOINTS AND ANGLES TO BE FILLED AND TAPED USING GYPROC JOINT TAPE AND BOARDS FINISHED WITH 3MM THICK SKIM COAT OF THISTLE MULTI-FINISH PLASTER.

100 X 50MM GRADE C16 TREATED SW RAFTER WALLPLATE DRILLED AND BOLTED TO WEB OF TRIMMER BEAM USING M12 BOLTS AT MAXIMUM 750MM CTS COMPLETE WITH NUTS AND WASHERS AS REQUIRED.

RAFTERS CUT AND FITTED OVER WALLPLATE AND SPIKED.

100 X 50MM TREATED SW WALLPLATES BEDDED IN MORTAR AND SPIKED TO MASONRY AND WITH CATNIC LTD, OR EQUAL APPROVED, TYPE VL 1000/100MM 30 X 2.5MM GALV STEEL VERTICAL RESTRAINT STRAPS AT MAX. 2M INTERVALS. STRAPS SPIKED TO TOPS OF WALLPLATES AND VERTICAL LEG OF STRAPS 4 X DRILLED, PLUGGED AND SCREWED TO FACE OF MASONRY INNER LEAF.

CAVITY INSULATION BOARD TO EXTEND TO TOPS OF RAFTERS WITH INSULATION BOARD PINNED TO SIDES OF WALLPLATES.

EXTERNAL WALL CAVITY CLOSED AT HEAD OF CAVITY USING ROCKWOOL ROLLBATT INSULATION SMALL ROLLS FRICTION FITTED INTO TOP OF CAVITIES.

TRIMMER BEAM CASING COMPRISING:

50 X 38MM TREATED SW CASING BATTENS SHOT-FIRED NAIL FIXED TO BOTTOM FLANGES OF STEEL TRIMMER BEAMS.

CASING LINING FORMED WITH 12.5MM THICK GYPROC TAPERED EDGED WALLBOARD LINING FIXED TO WEB BLOCKING AND CASING BATTENS USING PLASTERBOARD NAILS AT 150MM CTS TO ALL BOARD EDGES AND INTERMEDIATE SUPPORTS.

THIN COAT PLASTER ANGLE BEAMS TO EXTERNAL CORNERS OF CASING.

ALL BOARD JOINTS AND ANGLE TO BE FILLED AND TAPED USING GYPROC JOINT TAPE AND BOARDS FINISHED WITH 3MM SKIM COAT OF THISTLE MULTI -FINISH PLASTER.

DETAIL 1.3

SCALE 1/10

EXTENSION PITCHED ROOF COVERING COMPRISING:

'DOUBLE ROMAN' PATTERN SMOOTH FACED CONCRETE INTERLOCKING ROOF TILES TO MATCH PROFILE AND TONE WITH COLOUR OF ROOF TILES TO EXTG HOUSE. ALL TILES AT PERIMETER OF ROOF AND ALL TILES IN ALTERNATE COURSES TO BE TWICE NAILED USING ALUMINIUM ALLOY NAILS.
EAVES FORMED WITH STANDARD TILES PROJECTING MAXIMUM 50MM BEYOND FASCIAS TO DISCHARGE RAINWATER INTO EAVES GUTTERS.
RIDGES FORMED WITH SMOOTH FACED CONCRETE HALF-ROUND RIDGE TILES TO MATCH PROFILE AND TONE WITH COLOUR OF RIDGE TILES TO EXTG HOUSE WITH TILES EGDE BEDDED AND SOLID BEDDED AT JOINTS IN MORTAR MIX 1:3 ORDINARY PORTLAND CEMENT AND SAND WITH COLOUR ADDITIVE IF REQUIRED AND NEATLY POINTED COMPLETE WITH CONCRETE DENTIL SLIP TILES IN PANS OF TILES IF REQUIRED. ENDS OF RIDGE TILES TO BE FILLED WITH MORTAR COMPLETE WITH TILE SLIPS AND NEATLY POINTED.
HIPS FORMED WITH ROOF TILES EACH SIDE OF HIPS NEATLY CUT TO LINE OF HIPS AND FORM HIP COVERING WITH CONCRETE THIRD-ROUND HIP TILES TO TONE WITH COLOUR OF ROOF TILES AND WITH TILES EDGE BEDDED AND SOLID BEDDED AT JOINTS IN MORTAR MIX 1:3 BEFORE DESCRIBED WITH COLOUR ADDITIVE IF REQUIRED AND COMPLETE WITH GALV STEEL HIP IRONS AT BASE OF EACH HIP SCREWED TO TOPS OF HIP RAFTERS USING RUST-PROOF SCREW FIXINGS.

38 X 25MM TREATED SW TILE BATTENS AT REQUIRED GAUGE FIXED USING GALV WIRE NAILS. BUTT END JOINTS IN TILE BATTENS TO OCCUR OVER TOPS OF COUNTER BATTENS.

'TYVEK', OR EQUAL APPROVED, BREATHER MEMBRANE ROOF UNDERLAY LAID WITH MINIMUM 150MM SIDE AND END LAPS WITH MEMBRANE PULLED TAUGHT OVER TOPS OF COUNTER BATTENS AND FIXED USING GALV CLOUT NAILS. MEMBRANE DRESSED OVER RIDGES AND AROUND VALLIES WITH MINIMUM 450MM OVERLAPS. MEMBRANE LAPPED 150MM ONTO DRIP DPC AT EAVES. GENERALLY, 'TYVEK' UNDERLAY TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

ACTIS 'TRISO-SUPER 10', OR EQUAL APPROVED, THIN MULTIFOIL INSULATION INSTALLED OVER TOPS OF RAFTERS WITH INSULATION ROLLED OUT HORIZONTALLY STARTING ALONG BOTTOM OF ROOF, INSULATION STAPLED TO RAFTERS USING 14MM GALV STEEL STAPLES AT MAXIMUM 500MM, END AND SIDE LAPS 50-100MM AND STAPLED WITH END LAPS OCCURING OVER TOPS OF RAFTERS. ALL JOINTS TO BE TAPED USING 100MM WIDE ACTIS ISODHESIF FOIL TAPE. GENERALLY, INSULATION MEMBRANE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

50 X 25MM TREATED SW COUNTER BATTENS TO LINE OF EACH RAFTER WITH BATTENS SPIKED TO RAFTERS THROUGH INSULATION MEMBRANE BEFORE DESCRIBED.

25 X 19MM TREATED SW INSULATION STOP BATTENS WITH BOTTOM EDGE ALIGNED WITH UNDERSIDE OF RAFTERS AND BATTENS SPIKED TO RAFTERS BOTH SIDES.

50MM THICK CELOTEX LTD, OR EQUAL APPROVED, GA4050 INSULATION BOARD CUT AND FRICTION FITTED BETWEEN RAFTERS WITH INSULATION BOARD PUSHED DOWN TO TOPS OF STOP BATTENS BEFORE DESCRIBED. INSULATION BOARD TO BE CUT AND FITTED AT ALL ABUTMENTS.

THE ROOF INSULATION SYSTEM DESCRIBED ABOVE PROVIDES A 'WARM ROOF CONSTRUCTION' WHICH REQUIRES NO ROOF SPACE VENTILATION.

'U' VALUE OF ROOF CONSTRUCTION NOT EXCEEDING 0.18 W/sq m K.

OPEN VALLEY CONSTRUCTION COMPRISING:

100 X 38MM TREATED SW VALLEY NOGGINS EACH SIDE OF VALLEY CUT AND FITTED BETWEEN COMMON RAFTER/VALLEY INFILL JACK RAFTERS AND SPIKED. POSITION OF VALLEY NOGGINS TO SUIT POSITION OF GRP VALLEY TROUGH NAIL EDGE FIXINGS.
ROOF MEMBRANE UNDERLAY DRESSED AROUND VALLIES AND LAPPED MINIMUM 450MM.
GRP VALLEY TROUGHS CUT, FITTED AND MECHANICALLY FIXED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. CODE 4 LEAD CHUTE AT BASE OF EACH VALLEY DRESSED TO DISCHARGE RAINWATER INTO EAVES GUTTERING.

ROOF TILES EACH SIDE OF VALLIES TO BE NEATLY CUT TO LINE OF EACH VALLEY AND EACH TILE NAILED AS BEFORE DESCRIBED AND TILES TO BE EDGE BEDDED IN MORTAR MIX 1:3 BEFORE DESCRIBED WITH ADHESIVE AND COLOUR ADDITIVES IF REQUIRED ONTO SANDED MORTAR ADHESION STRIPS EACH SIDE OF VALLEY TROUGHS AND NEATLY POINTED.

ROOF EAVES CONSTRUCTION COMPRISING:

RAFTER FEET LINED THROUGH AND PLUMB CUT FOR FASCIAS AND FOOT CUT FOR SOFFIT LININGS.

175MM DEEP X 20MM THICK SWISH BUILDING PRODUCTS LTD, OR EQUAL APPROVED, STANDARD 'JUMBO' WHITE CELLULAR PVC FASCIA FIXED TO RAFTERS USING WHITE PLASTIC CAPPED S/S NAIL FIXINGS COMPLETE WITH JOINTING STRIPS AND CORNER TRIMS AS REQUIRED.

38 X 50MM TREATED SW SOFFIT BATTENS DRILLED, PLUGGED AND SCREWED TO MASONRY OUTER LEAF.

9MM THICK SWISH BUILDING PRODUCTS LTD, OR EQUAL APPROVED, 'GEE PEE' WHITE CELLULAR PVC SOFFIT LINING SET INTO GROOVE IN FASCIAS AND PINNED UP TO SOFFIT BATTENS USING WHITE PLASTIC CAPPED S.S NAIL FIXINGS COMPLETE WITH JOINTING STRIPS AS REQUIRED.

EAVES UNDERLAY SUPPORT FORMED WITH 150MM WIDE X 6MM THICK EXTERIOR GRADE WBP PLYWOOD PINNED DOWN TO 38 X 25MM TREATED SW SPROCKET SUPPORT BATTEN CUT AND FITTED AND PINNED TO SIDES OF COUNTER BATTENS.

EAVES UNDERLAY DRIP FORMED WITH 300MM WIDE POLYETHYLENE DPC WITH TOP EDGE STAPLED TO PLYWOOD SUPPORT AND DPC DRESSED OVER FASCIA TO FORM DRIP INTO GUTTER. ROOF UNDERLAY LAPPED MIN. 150MM OVER UNDERLAY DRIP.

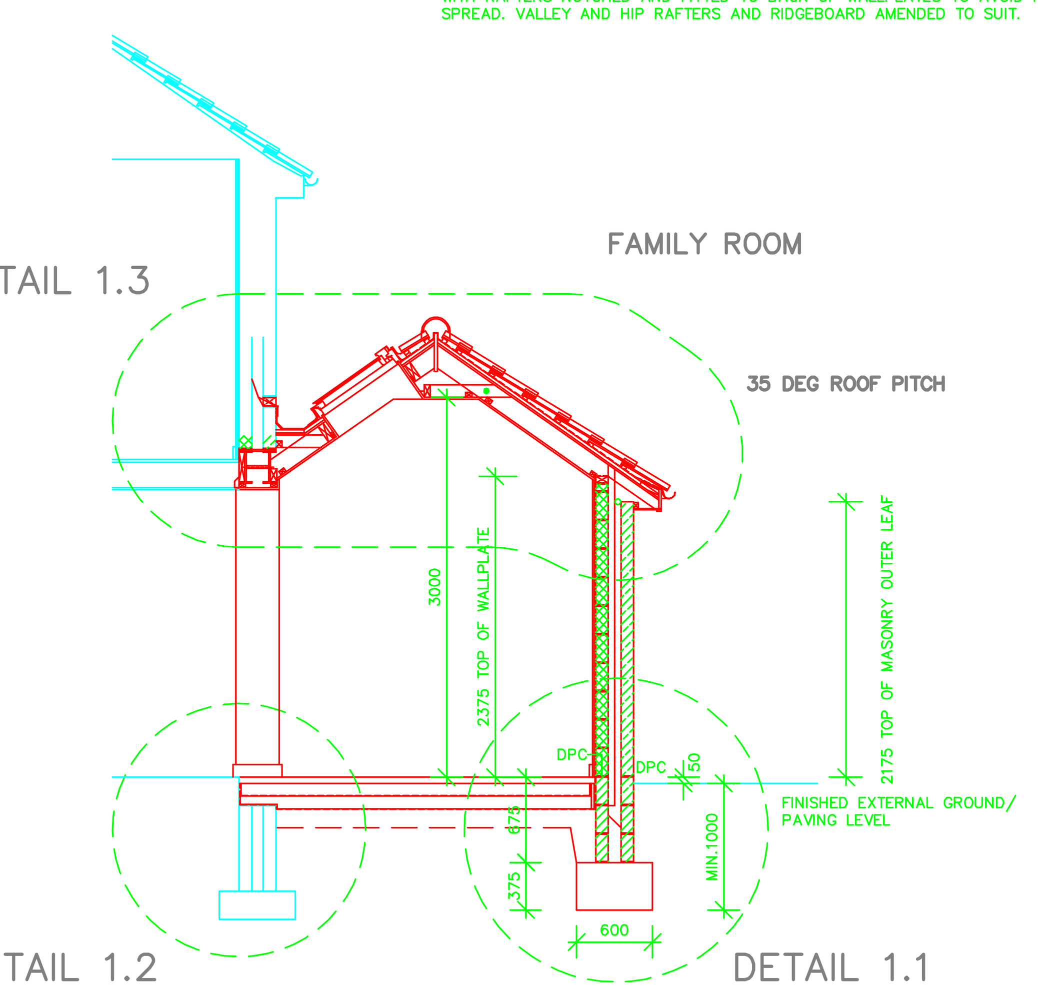
UPVC RAINWATER GOODS TO MATCH EXTG.

All dimensions must be checked on site and not scaled from this drawing.

Revisions

A 25 OCT 12

PITCHED ROOF RAFTERS INCREASED TO 150 X 50MM GRADE C16 TREATED SW WITH RAFTERS NOTCHED AND FITTED TO BACK OF WALLPLATES TO AVOID ROOF SPREAD. VALLEY AND HIP RAFTERS AND RIDGEBOARD AMENDED TO SUIT.



SECTION 1

SCALE 1/50

NEW OPENING THROUGH EXTG CAVITY EXTERNAL WALL BETWEEN EXTG KITCHEN AND NEW FAMILY ROOM COMPRISING:

PROVIDE ALL NECESSARY TEMPORARY SUPPORTS FOR THE SAFE EXECUTION OF THIS PART OF THE WORKS.

REMOVE EXTG KITCHEN WINDOW AND SET ASIDE FOR REUSE IN NEW STUDY. REMOVE EXTG UTILITY EXTERNAL DOOR AND FRAME.

CUT THROUGH EXTG MASONRY CAVITY EXTERNAL WALL AT JAMBS OF NEW OPENING AND DRAW DOWN EXTG CAVITY EXTERNAL WALL MASONRY TO EXTG FLOOR LEVEL.

BREAK OUT AND REMOVE EXTG EXTERNAL WALL MASONRY FOOTINGS ACROSS NEW OPENING TO DEPTH AS REQUIRED TO ALLOW NEW GROUND FLOOR STRUCTURE OF EXTENSION TO EXTEND THROUGH NEW OPENING AND MARRY WITH FLOOR LEVEL OF EXTG HOUSE. NEW POLYTHENE DPM TO EXTEND THROUGH NEW OPENING AND POLYTHENE DRESSED VERTICALLY AT ABUTMENT WITH EXTG GROUND FLOOR STRUCTURE AND BITUMEN SEALED.

REBUILD JAMBS OF NEW OPENING IN SOLID CONCRETE BRICKWORK, COMPRESSIVE STRENGTH MINIMUM 7.0 N/sq mm, WITH BRICKWORK LAID TO FORM NEW 215MM THICK PIER TO JAMBS OF NEW OPENING X THICKNESS OF EXTG EXTERNAL WALL. PIER MASONRY BUILT OFF EXTG EXTERNAL WALL MASONRY FOOTINGS WITH MASONRY BEDDED AND STRUCK POINTED IN MORTAR MIX 1:1:5-6 ORDINARY PORTLAND CEMENT, LIME AND SAND. NEW MASONRY TO BE CUT, TOOTHED AND BONDED INTO EXTG EXTERNAL WALL MASONRY AS THE WORK PROCEEDS.

TRIMMER BEAMS OVER WALL OPENING COMPRISING:

2No UB TRIMMER BEAMS WITH 10MM STEEL SPREADER PLATE OVER TOP FLANGES AND UB TRIMMER BEAMS CONNECTED THROUGH WEBS USING BOLTS AND SPACER TUBES ALL TO STRUCTURAL ENGINEER'S DESIGN.

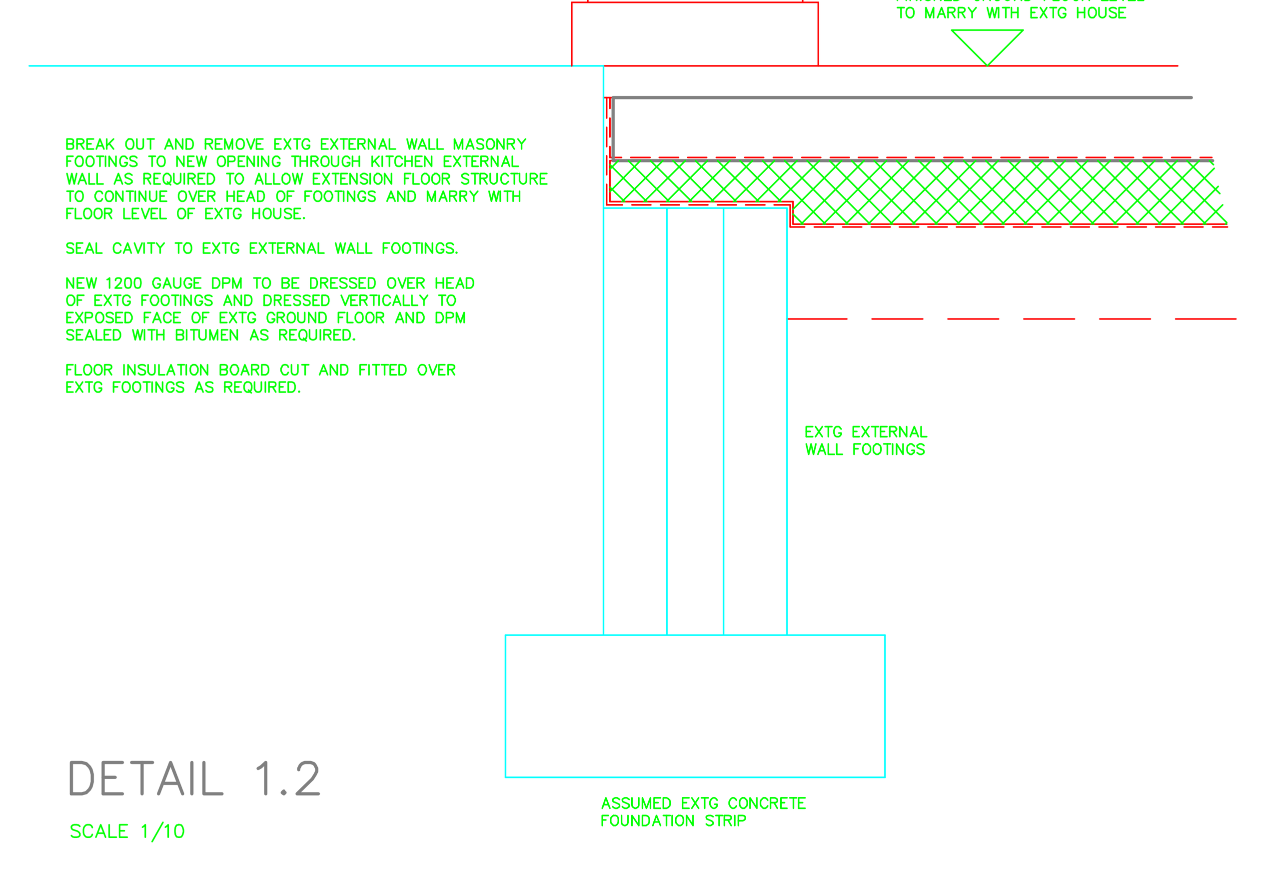
GRADE C15 CONCRETE BEARING PADS EITHER PRECAST OR CAST INSITU TO STRUCTURAL ENGINEERS DESIGN. ALTERNATIVELY, LENGTHS OF PCC LINTEL MAY BE USED AS BEARING PADS.

ALL STEELWORK TO FACTORY SHOT-BLASTED AND PRIMED PRIOR TO DELIVERY TO SITE.

HOIST AND POSITION TRIMMER BEAMS AND ALIGN TRIMMER BEAMS USING STEEL SHIMS AS REQUIRED.

BUILD IN ENDS OF NEW TRIMMER BEAMS SOLID INTO EXTG WALL MASONRY.

PIN UP EXTG MASONRY ABOVE NEW TRIMMER BEAMS AS REQUIRED.



BREAK OUT AND REMOVE EXTG EXTERNAL WALL MASONRY FOOTINGS TO NEW OPENING THROUGH KITCHEN EXTERNAL WALL AS REQUIRED TO ALLOW EXTENSION FLOOR STRUCTURE TO CONTINUE OVER HEAD OF FOOTINGS AND MARRY WITH FLOOR LEVEL OF EXTG HOUSE.

SEAL CAVITY TO EXTG EXTERNAL WALL FOOTINGS.

NEW 1200 GAUGE DPM TO BE DRESSED OVER HEAD OF EXTG FOOTINGS AND DRESSED VERTICALLY TO EXPOSED FACE OF EXTG GROUND FLOOR AND DPM SEALED WITH BITUMEN AS REQUIRED.

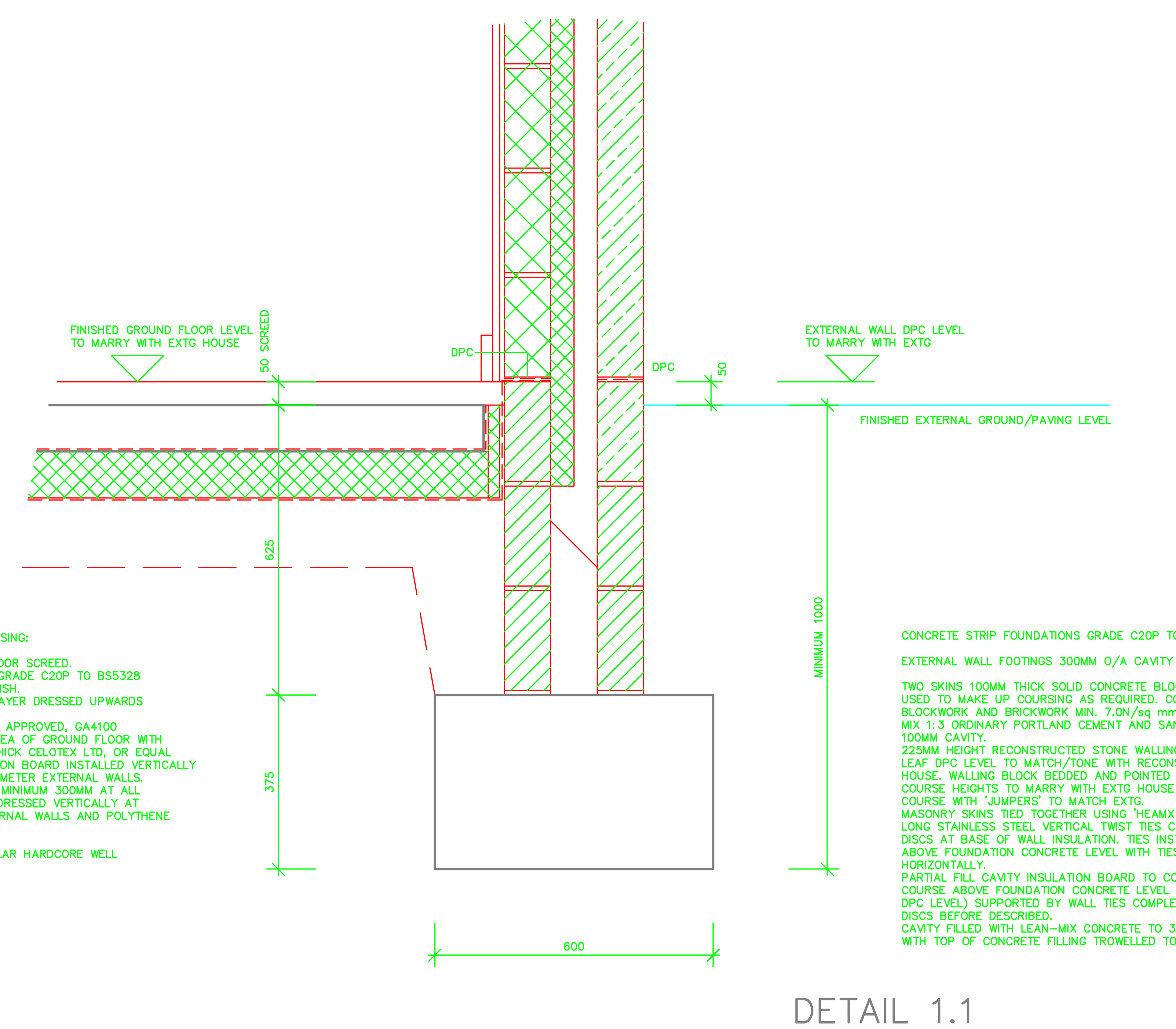
FLOOR INSULATION BOARD CUT AND FITTED OVER EXTG FOOTINGS AS REQUIRED.

EXTG EXTERNAL WALL FOOTINGS

ASSUMED EXTG CONCRETE FOUNDATION STRIP

DETAIL 1.2

SCALE 1/10



GROUND FLOOR CONSTRUCTION COMPRISING:

50MM THICK GRIT SAND + CEMENT FLOOR SCREED.
100MM THICK CONCRETE FLOOR SLAB GRADE C20P TO BS5328 LAID WITH LIGHT TAMPED SURFACE FINISH.
500 GAUGE POLYTHENE SEPARATING LAYER DRESSED UPWARDS AT PERIMETER EDGES OF FLOOR SLAB.
100MM THICK CELOTEX LTD, OR EQUAL APPROVED, GA4100 INSULATION BOARD LAID TO ENTIRE AREA OF GROUND FLOOR WITH TIGHT BUTT JOINTS AND WITH 25MM THICK CELOTEX LTD, OR EQUAL APPROVED, T-BREAK TB4025 INSULATION BOARD INSTALLED VERTICALLY AT ALL SCREED ABUTMENTS WITH PERIMETER EXTERNAL WALLS.
1200 GAUGE POLYTHENE DPM LAPPED MINIMUM 300MM AT ALL JOINTS AND SEALED AND POLYTHENE DRESSED VERTICALLY AT ALL ABUTMENTS WITH PERIMETER EXTERNAL WALLS AND POLYTHENE DRESSED BENEATH DPC TO WALLS.
SAND BLINDING.
MINIMUM 150MM THICK TYPE 2 GRANULAR HARDCORE WELL ROLLED AND COMPACTED.

DETAIL 1.1

SCALE 1/10

EXTERNAL CAVITY WALL CONSTRUCTION 300MM O/A THICKNESS COMPRISING:

EXTERNAL WALL INNER LEAF 100MM THICK SOLID INSULATION BLOCK, 4.0N/sq mm COMPRESSIVE STRENGTH, BLOCK LAMBDA VALUE 0.15, BEDDED IN MORTAR MIX 1:2:9 ORDINARY PORTLAND CEMENT, LIME AND SAND AND STRUCK POINTED.
50MM THICK CELOTEX LTD, OR EQUAL APPROVED, CW4050 PARTIAL FILL CAVITY INSULATION BOARD.
50MM MAINTAINED CAVITY.
RECONSTRUCTED STONE WALLING BLOCK TO EXTERNAL WALL OUTER LEAF TO MATCH/TONE WITH RECONSTRUCTED STONE WALLING BLCOK TO EXTG HOUSE WITH WALLING BLOCK BEDDED AND POINTED IN MORTAR MIX 1:2:9 BEFORE DESCRIBED IN COURSE HEIGHTS TO MARRY WITH EXTG HOUSE AND WITH STONE WALLING BROUGHT TO COURSE WITH 'JUMPERS' TO MATCH EXTG.
MASONRY SKINS TIED TOGETHER USING 'HEMAX 95', OR EQUAL APPROVED, 250MM LONG STAINLESS STEEL VERTICAL TWIST TIES COMPLETE WITH INSULATION RETAINING DISCS. TIES SPACED 600M INTERVALS HORIZONTALLY AND 450MM INTERVALS VERTICALLY WITH ROWS STAGGERED 150MM. ADDITIONAL TIES AT JAMBS OF EXTERNAL WALL OPENINGS WITH TIES LOCATED MAXIMUM 225MM FROM OPENING JAMBS AND IN EACH BLOCK COURSE VERTICALLY.

EXTERNAL WALLS TO BE DRYLINED INTERNALLY USING 9.5MM THICK GYPROC TAPERED EDGE WALLBOARD FIXED TO MASONRY BACKGROUNDS USING GYPROC ADHESIVE DABS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ALL BOARD JOINTS AND ANGLES TO BE FILLED AND TAPED USING GYPROC JOINT TAPE, THIN COAT PLASTER ANGLE BEADS TO ALL EXTERNAL CORNERS INCLUDING OPENING REVEALS AND BOARDS FINISHED WITH 3MM THICK SKIM COAT OF THISTLE MULTI-FINISH PLASTER.

'U' VALUE OF EXTERNAL WALL CONSTRUCTION NOT EXCEEDING 0.28W/sq m K.

COURSING TO STONEWORK OUTER LEAF TO MARRY WITH STONEWORK COURSING TO EXTG HOUSE WITH BLOCK COURSING TO INNER LEAF GAUGED TO SUIT.

AT JAMBS OF OPENINGS IN CAVITY EXTERNAL WALLS, RETURN INSULATION BLOCK INNER LEAF TO STONEWORK OUTER LEAF AND BUILD IN TDI (UK) LTD 'DAMCOR', OR EQUAL APPROVED, INSULATED VERTICAL DPC COMPRISING 18MM THICK X 100MM WIDE EXPANDED POLYSTYRENE BONDED TO 165MM WIDE POLYETHYLENE DPC.

CONCRETE STRIP FOUNDATIONS GRADE C20P TO BS5328

EXTERNAL WALL FOOTINGS 300MM O/A CAVITY WALL THICKNESS COMPRISING:

TWO SKINS 100MM THICK SOLID CONCRETE BLOCKWORK WITH CONCRETE BRICKWORK USED TO MAKE UP COURSING AS REQUIRED. COMPRESSIVE STRENGTH OF CONCRETE BLOCKWORK AND BRICKWORK MIN. 7.0N/sq mm WITH MASONRY BEDDED IN MORTAR MIX 1:3 ORDINARY PORTLAND CEMENT AND SAND AND STRUCK POINTED.
100MM CAVITY.
225MM HEIGHT RECONSTRUCTED STONE WALLING BLOCK TO OUTER LEAF BELOW OUTER LEAF DPC LEVEL TO MATCH/TONE WITH RECONSTRUCTED STONE WALLING BLOCK TO EXTG HOUSE. WALLING BLOCK BEDDED AND POINTED IN MORTAR MIX 1:3 BEFORE DESCRIBED IN COURSE HEIGHTS TO MARRY WITH EXTG HOUSE AND WITH STONE WALLING BROUGHT TO COURSE WITH 'JUMPERS' TO MATCH EXTG.
MASONRY SKINS TIED TOGETHER USING 'HEAMX 95', OR EQUAL APPROVED, 250MM LONG STAINLESS STEEL VERTICAL TWIST TIES COMPLETE WITH INSULATION RETAINING DISCS AT BASE OF WALL INSULATION. TIES INSTALLED IN SECOND BLOCK COURSE ABOVE FOUNDATION CONCRETE LEVEL WITH TIES SPACED AT 600MM INTERVALS HORIZONTALLY.
PARTIAL FILL CAVITY INSULATION BOARD TO COMMENCE AT SECOND BLOCK COURSE ABOVE FOUNDATION CONCRETE LEVEL (225MM BELOW INNER LEAF DPC LEVEL) SUPPORTED BY WALL TIES COMPLETE WITH INSULATION RETAINING DISCS BEFORE DESCRIBED.
CAVITY FILLED WITH LEAN-MIX CONCRETE TO 300MM BELOW INNER LEAF DPC LEVEL WITH TOP OF CONCRETE FILLING TROWELLED TO SLOPE OUTWARDS.

Client
MR + MRS LEAVER.

Project
PROPOSED ALTERATIONS + EXTENSION, 34 LANSDOWN CRESCENT, DERRY HILL, CALNE, WILTSHIRE. SN11 9NT

Drawing Title
WORKING DRAWING. SECTION 1.

Scale	Date	Drawn by
AS INDICATED	AUG 2012	

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