

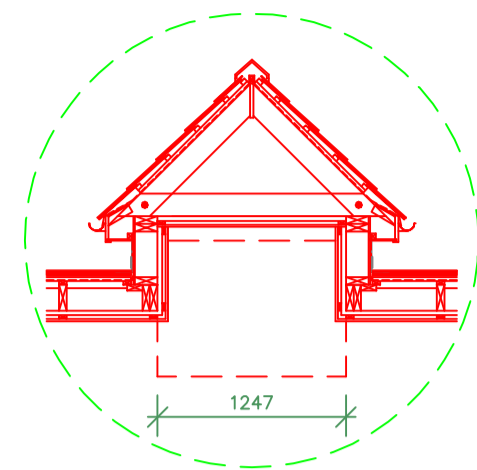
All dimensions must be checked on site and not scaled from this drawing.

Revisions

A 22 FEB 2013

WALLPLATE TO EXTERNAL WALL TIMBER FRAMED INNER LEAF LOWERED TO SUSPENDED BEAM AND BLOCK FLOOR LEVEL AND WALLPLATE SIZE REDUCED TO 150 X 50MM.  
ROOF INSULATION BETWEEN ATTIC SPACE TRUSSED RAFTERS REPOSITIONED TO FOLLOW HEATED LIVING ACCOMMODATION.  
30MM THICK CELOTEX LTD. OR EQUAL APPROVED, TB4030 INSULATION BOARD INNER LINING TO EXTERNAL WALL TIMBER FRAMED INNER LEAF TO CONTINUE BENEATH INTERNAL WINDOW BOARDS.  
CAVITY CLOSER BATTEN TO WINDOW CILLS INCREASED TO 75 X 45MM TREATED SW.  
SELF-ADHESIVE AIRTIGHT TAPE ADDED TO ALL WINDOW AND EXTERNAL DOOR FRAME JAMB AND HEAD ABUTMENTS WITH TIMBER FRAME REVEALS OF EXTERNAL WALL OPENINGS.

DETAIL 2.3



DETAIL 2.2

DETAIL 2.1

SECTION 2  
SCALE 1/50

WINDOWS TO BE METAL CORED PVCU COMPONENTS COLOUR ROSEWOOD EXTERNALLY AND WHITE INTERNALLY TO PATTERN OF WINDOWS AS NOTED WITH OPENING CASEMENTS WITH EASY CLEAN HINGES, SECURITY LOCKING SYSTEM WITH LOCKING HANDLES AND TRICKLE VENTILATORS IN HEAD OF WINDOW FRAMES AS REQUIRED. WINDOWS TO BE INSTALLED INTO PREFORMED MASONRY OPENINGS IN EXTERNAL WALLS COMPLETE WITH SEALANT POINTING EXTERNALLY.

WINDOW COMPONENT SPECIFICATION TO BE AGREED WITH EMPLOYER AND WINDOWS TO BE MANUFACTURED AND INSTALLED BY AN APPROVED SPECIALIST.

WINDOWS TO BE FACTORY GLAZED WITH CLEAR/OBSOURE SEALED DOUBLE GLASS UNITS USING LOW-E GLASS WITH ARGON FILLED GLAZING CAVITIES TO PROVIDE A COMPONENTS 'U' VALUE NOT EXCEEDING 1.4W/m<sup>2</sup> K.

175 X 140MM DEEP ASHLAR STONE FACED CONCRETE WEATHERED AND THROATED WINDOW SUB-CILLS WITH 100MM STOOLED ENDS. SUB-CILLS REINFORCED FOR HANDLING.  
SUB-CILLS BEDDED ON POLYETHYLENE DPC DRESSED VERTICALLY TO BACK OF SUB-CILL.  
CAVITY CLOSER BATTEN AT WINDOW CILLS TO BE 75 X 45MM TREATED SW PINNED TO TIMBER FRAME INNER LEAF.

CONCRETE STRIP FOUNDATIONS GRADE C20P TO BS5328.

EXTERNAL WALL FOOTINGS 250MM 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/BRICKWORK MINIMUM 7.0N/m<sup>2</sup> mm WITH MASONRY BEDDED IN MORTAR MIX 1:3 ORDINARY PORTLAND CEMENT AND SAND AND STRUCK POINTED.

MASONRY SKINS TIED TOGETHER USING 'NEMAX 95', OR EQUAL APPROVED, 200MM LONG STAINLESS STEEL VERTICAL TWIST TIES INSTALLED IN FIRST COURSE LEVEL ABOVE FOUNDATION CONCRETE LEVEL WITH TIES SPACED AT 600MM INTERVALS HORIZONTALLY.

BUILD IN ENDS OF PRECAST CONCRETE SUSPENDED FLOOR BEAMS AND BUILD IN 100MM THICK SOLID INSULATION BLOCKS TO SUSPENDED FLOOR COMPLETE WITH 40MM THICK PRECAST CONCRETE FILLER BLOCKS SUPPLIED BY PRECAST FLOOR MANUFACTURER AND FILLER BLOCKS BEDDED IN MORTAR MIX 1:3 BEFORE DESCRIBED BETWEEN ENDS OF FLOOR BEAMS AND STRUCK POINTED.

CAVITY FILLED WITH LEAN-MIX CONCRETE TO HEIGHT OF 300MM ABOVE FOUNDATION LEVEL WITH CONCRETE FILLING TROWELLED TO SLOPE OUTWARDS.

VOID BENEATH SUSPENDED GROUND FLOOR TO BE VENTILATED USING RYTONS BUILDING PRODUCTS LTD. OR EQUAL APPROVED, PERISCOPE UNDERLOOR VENTILATORS TYPE RUFFY COMPLETE WITH 215 X 65MM BUFF COLOURED TERRACOTTA AIR BRICK BUILT INTO EXTERNAL WALL MASONRY. BUILD IN VENTILATORS INTO EXTERNAL WALL FOOTINGS IN LOCATIONS INDICATED ON FOUNDATION PLAN TO PROVIDE MINIMUM 1500 SQ MM VENTILATION PER METRE RUN OF WALL WITH VENTILATORS INSTALLED TO PROVIDE CROSS VENTILATION AS INDICATED.

FORM CAVITY TRAYS IN EXTERNAL WALL ABOVE VENTILATORS USING CAVITY TRAYS LTD. OR EQUAL APPROVED, PREFORMED TYPE 'Q' ARRESTING BARRIER 450MM LONG WITH CAVITY LEG OF TRAY DRESSED AGAINST EXTERNAL WALL TIMBER FRAMED INNER LEAF.

225 X 85MM CROSS VENT SLOTS FORMED THROUGH FOOTINGS TO INTERNAL WALLS IN LOCATIONS INDICATED ON FOUNDATION PLAN. VENT SLOTS FORMED ONE BLOCK COURSE ABOVE FOUNDATION CONCRETE LEVEL (BASE OF SLOT AT FORMATION LEVEL OF FLOOR VOID SUB-BASE).

DETAIL 2.1

SCALE 1/10

EXTERNAL WALL INSULATION AND INTERNAL LINING COMPRISING:

120MM THICK CELOTEX LTD. OR EQUAL APPROVED, YR4120 INSULATION BOARD CUT AND FRICION FITTED BETWEEN ALL MEMBERS OF TIMBER FRAMED INNER LEAF WITH INSULATION BOARD PUSHED OUT TO ABUTT SHEATHING BOARD LEAVING 20MM CAVITY FOR ELECTRICAL SERVICES.

30MM THICK CELOTEX LTD. OR EQUAL APPROVED, TB4030 INSULATION BOARD LINING OVERLAYING TIMBER FRAMED INNER LEAF WITH ALL JOINTS IN INSULATION BOARDS OCCURRING OVER LINE OF TIMBER FRAME STUDS AND INSULATION BOARD PINNED TO ALL TIMBER FRAME MEMBERS AND ALL JOINTS IN INSULATION BOARD SEALED AND TAPED USING ALUMINIUM FOIL SELF-ADHESIVE TAPE TO PROVIDE MOISTURE RESISTANT PERFORMANCE. ALL SERVICES PASSING THROUGH INSULATION BOARD TO BE SEALED AND TAPED AS BEFORE DESCRIBED.

EXTERNAL WALLS LINED INTERNALLY WITH 12.5MM THICK GYPROC TAPERED EGGED WALLBOARD INSTALLED WITH LONG EDGES VERTICAL WITH SIDE JOINTS OCCURRING OVER TIMBER FRAME STUDS BEFORE DESCRIBED AND BOARDS FIXED USING GALV PLASTERBOARD NAILS AT 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 'HISTLE MULTI-FINISH PLASTER.

'U' VALUE OF EXTERNAL WALL CONSTRUCTION 0.16W/m<sup>2</sup> K.

GROUND FLOOR STRUCTURE COMPRISING:

GROUND FLOOR SLAB TO BE PRECAST CONCRETE BEAM AND BLOCK SYSTEM TO SPECIALIST MANUFACTURERS DESIGN AND DETAIL BASED ON 150MM DEEP PRECAST CONCRETE FLOOR BEAMS WITH STANDARD 215 X 440 X 100MM THICK CELOCON 'STANDARD' OR EQUAL APPROVED, SOLID INSULATION BLOCK WITH MINIMUM COMPRESSIVE STRENGTH 4.0N/m<sup>2</sup> mm AND BLOCK LAMBDA VALUE 0.15. BEAMS AND BLOCKS TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS DESIGN, SETTING OUT DETAILING AND SPECIFICATION.

BEAM AND BLOCK FLOOR SURFACE TO BE GROUTED WITH SAND AND CEMENT TO GIVE SMOOTH AND LEVEL SURFACE FOR IMPOSED FINISH. NOMINAL MAXIMUM THICKNESS OF GROUT TO BE 5MM.

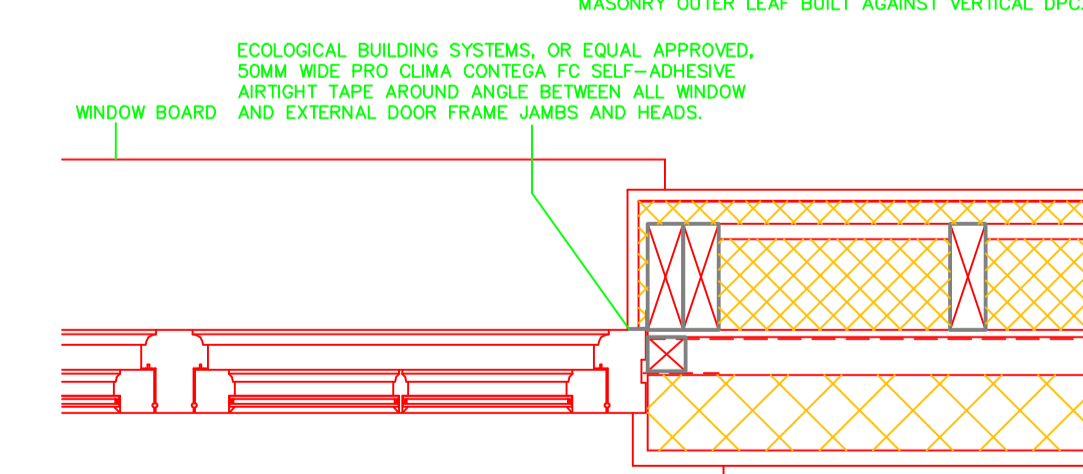
1200 GAUGE POLYTHENE DPM LAID OVER GROUND FLOOR SLAB AREA LAPPED MIN. 300MM AT ALL JOINTS AND SEALED AND LAPPED 300MM ONTO EXTENDED DPC TO EXTERNAL WALL INNER LEAF AND SEALED.

100MM THICK CELOTEX LTD. OR EQUAL APPROVED, G44100 INSULATION BOARD TO ENTIRE AREA OF GROUND FLOOR LAID WITH TIGHT BUTT JOINTS AND WITH 25MM THICK CELOTEX LTD. OR EQUAL APPROVED, T-BREAK TB4025 INSULATION BOARD INSTALLED VERTICALLY AT ALL ABUTMENTS WITH PERIMETER EXTERNAL WALLS. ALL JOINTS IN INSULATION BOARD TO BE TAPED USING SELF-ADHESIVE ALUMINIUM FOIL TAPE.

$F/A = 0.47$   
'U' VALUE OF GROUND FLOOR NOT EXCEEDING 0.17 W/m<sup>2</sup> K.

1000 GAUGE POLYTHENE SEPARATING LAYER LAID OVER SURFACE OF INSULATION BOARD LAPPED MINIMUM 300MM AT ALL JOINTS AND SEALED AND POLYTHENE DRESSED VERTICALLY AT ABUTMENTS WITH PERIMETER EXTERNAL WALLS.

75MM THICK CONCRETE FLOOR SCREED MIX 1:1:2 ORDINARY PORTLAND CEMENT, SAND AND 10MM AGGREGATE BY VOLUME AND SCREED REINFORCED WITH SINGLE LAYER OF GALV STEEL CHICKEN WIRE. SCREED TO BE LAID IN TWO LAYERS. LOWER LAYER MINIMUM 30MM THICK AND UPPER LAYER MINIMUM 20MM THICK IN BAYS NOT EXCEEDING 14 SQ M AND WELL COMPACTED IN LAYERS WHEN LAID. TROWELLED SURFACE FINISH TO RECEIVE FLOOR FINISHES AS SELECTED.



175 X 140MM DEEP ASHLAR STONE FACED CONCRETE WEATHERED AND THROATED WINDOW SUB-CILLS WITH 100MM STOOLED ENDS. SUB-CILLS REINFORCED FOR HANDLING.  
SUB-CILLS BEDDED ON POLYETHYLENE DPC DRESSED VERTICALLY TO BACK OF SUB-CILL.

22MM THICK 'K'-REND EXTERNAL RENDER WITH RENDER EXTERNAL CORNER BEADS AT OPENING JAMBS AND RENDER STOP BEADS AT ABUTMENTS WITH WINDOW AND EXTERNAL DOOR FRAME.

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

450MM WIDE POLYETHYLENE DPC TO INNER LEAF LAPPED ONTO SURFACE OF SUSPENDED FLOOR SLAB WITH 1200 GAUGE POLYTHENE DPM LAPPED 300MM ONTO DPC AND SEALED.

150MM WIDE X 100MM THICK CELOCON, OR EQUAL APPROVED, 'STANDARD' SOLID INSULATION BLOCK COURSE MINIMUM 4.0 N/m<sup>2</sup> mm COMPRESSIVE STRENGTH WITH BLOCKWORK CUT FOR WIDTH AND BEDDED AND STRUCK POINTED IN MORTAR MIX 1:2:3 ORDINARY PORTLAND CEMENT, LIME AND SAND.  
150 X 65MM GRADE C16 TREATED SW WALLPLATES BEDDED AND STRUCK POINTED IN MORTAR MIX 1:2:3 BEFORE DESCRIBED WITH WALLPLATE LINED AND LEVELLED AS REQUIRED AND MADE READY FOR TIMBER FRAMED INNER LEAF.

EXTERNAL WALL TIMBER FRAMED INNER LEAF DESIGN, FABRICATED AND ERECTED BY SPECIALIST COMPRISING 140 X 47MM GRADE C16 TREATED SW SOLE PLATES, DOUBLE HEADPLATES, VERTICAL STUDS AT MAXIMUM 400MM CTS, HORIZONTAL NOGGINGS AT MID-STORY HEIGHT AND WALL BRACING WITH ALL MEMBERS CUT, FITTED AND SPIKED TOGETHER WITH TIMBER-FRAMED PANELS OVERLAP WITH 9.5MM THICK WBP PLYWOOD OR STRILING BOARD.

SHEATHING BOARD TO BE OVERLAP WITH GLEDEVALE LTD 'PROTECT' TP200 THERMO INSULATION BREATHER MEMBRANE STAPLED TO SHEATHING BOARD AND LAPPED AT ALL JOINTS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

EXTERNAL WALL INNER LEAF TIMBER FRAMED PANELS TO BE ERECTED, PLUMBED AND LINED THROUGH WITH PANELS SPIKED TOGETHER AND SPIKED DOWN TO WALLPLATES BEFORE DESCRIBED.

EXTERNAL WALL INNER LEAF TIMBER FRAMED PANELS TO BE STRAPPED DOWN TO CAVITY FACE OF EXTERNAL WALL MASONRY FOOTINGS USING CATNAC LTD. OR EQUAL APPROVED, TYPE V41000/700 30 X 2.5MM GALV STEEL VERTICAL RESTRAINT STRAPS AT MAXIMUM 2M CTS WITH STRAPS SPIKED TO TIMBER FRAME VERTICAL STUDS AND HOOKED END OF STRAPS BUILT INTO EXTERNAL WALL FOOTINGS MASONRY OUTER LEAF.  
50MM MAINTAINED CAVITY TO BE KEPT CLEAN USING CAVITY BATTEN.

EXTERNAL WALL OUTER LEAF TO SOUTH-WEST GABLE WALL OF LOUNGE TO BE 125MM THICK DRESSED NATURAL-COTSWOLD STONE WALLING IN 125/100/75MM COURSES WITH WALLING BROUGHT TO COURSE LAID IN MORTAR MIX 6:2:1:0.1-1 SAND, GRIT SAND, ORDINARY PORTLAND CEMENT AND LIME. MORTAR JOINTS TO BE BRUSHED OUT AFTER TWO HOURS SETTING TIME USING A WIRE BRUSH LEAVING FLAT JOINTS APPROX 1MM IN RECESS SHOWING OUTLINE EDGES OF STONEWORK.

EXTERNAL WALL OUTER LEAF TO ALL OTHER ELEVATIONS TO BE 100MM THICK CELOCON, OR EQUAL APPROVED, 'STANDARD' SOLID INSULATION BLOCK 4.0N/m<sup>2</sup> mm COMPRESSIVE STRENGTH WITH BLOCKWORK BEDDED IN MORTAR MIX 1:2:3 ORDINARY PORTLAND CEMENT, LIME AND SAND AND STRUCK POINTED WITH JOINTS EXTERNAL FACE OF BLOCKWORK RAKED OUT TO FORM KEY FOR EXTERNAL RENDER LATER DESCRIBED.

COURSING TO BLOCK OUTER LEAF 4 BLOCK COURSES = 900MM WITH COURSING TO NATURAL STONE WALLING OUTER LEAF GAUGED TO SUIT.

MASONRY OUTER LEAF TIED TO TIMBER FRAMED INNER LEAF USING SIMPSON STRONG-TIE, OR EQUAL APPROVED, TYPE MBT50 STAINLESS STEEL WALL TIES SPIKED TO TIMBER FRAMED INNER LEAF AND BUILT INTO MASONRY AT 600MM 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 AT 225MM INTERVALS VERTICALLY.

290MM DEEP X 290MM LONG X 125MM THICK 'L' SHAPED ASHLAR STONE FACED CONCRETE QUOIN BLOCKS TO EXTERNAL CORNERS OF EXTERNAL WALLS.

175 X 140MM DEEP ASHLAR SMOOTH STONE FACED WEATHERED AND THROATED CONCRETE WINDOW SUB-CILLS WITH 100MM STOOLED ENDS. CONCRETE SUB-CILLS REINFORCED FOR HANDLING. SUB-CILLS BEDDED ON POLYETHYLENE DPC WITH DPC DRESSED VERTICALLY TO BACK OF SUB-CILLS.

CLOSE CAVITY AT JAMBS OF EXTERNAL OPENINGS WITH 45 X 45MM TREATED SW CAVITY CLOSURE BATTEN PINNED TO TIMBER FRAMED INNER LEAF AND WITH POLYETHYLENE VERTICAL DPC PINNED TO CLOSURE BATTEN AND WITH MASONRY OUTER LEAF BUILT AGAINST VERTICAL DPC.

INTELS OVER HEADS OF OPENINGS IN CAVITY EXTERNAL WALLS FORMED WITH I/LD, OR EQUAL APPROVED, TYPE L7/50 GALV STEEL INTELS TO SUIT CLEAR OPENING WIDTHS AND WITH MIN. 150MM END BEARINGS. 75 X 38MM TREATED SW BATTEN BACK SUPPORT TO INTEL, SPIKED TO TIMBER FRAMED INNER LEAF. TOP EDGE OF INTEL TO RECEIVE GALV STEEL RESTRAINING CLIPS FIXED TO TIMBER FRAMED INNER LEAF USING 3.5 X 50MM GALV WALLS WITH CLIPS INSTALLED AT MAXIMUM 500MM CTS.

INTELS OVERLAP WITH CAVITY TRAYS LTD. OR EQUAL APPROVED, PREFORMED TYPE 'C' CAVITARY TO PROFILE AS DETAILED AND WITH INNER VERTICAL LEG OF CAVITARY DRESSED AGAINST CAVITY FACE OF TIMBER FRAMED INNER LEAF.

OUTER LEG OF INTELS OVERLAP WITH 210MM DEEP X 100MM THICK ASHLAR STONE FACED CONCRETE INTELS TO SUIT OPENING WIDTHS AND WITH 150MM MINIMUM END BEARINGS. INTELS REINFORCED FOR HANDLING AND INTELS BEDDED ON INTEL OUTER LEG ONTO DPC CAVITARY BEFORE DESCRIBED. INTELS BUILT IN WITH OUTER FACE FLUSH WITH STONE WALLING OR PROJECTING 20MM TO FINISH FLUSH WITH EXTERNAL RENDER.

EXTERNAL WALLS TO RECEIVE TWO COAT 20MM TOTAL THICKNESS K-REND EXTERNAL RENDER TO SELECTED COLOUR WITH SCRAPPED TEXTURED SURFACE FINISH AS LATER DESCRIBED.

EXTERNAL WALL RENDERING COMPRISING:

PREPARE EXTERNAL SURFACES OF MASONRY EXTERNAL WALLS AS REQUIRED AND INSTALL K-REND DURABLE uPVC RENDER BEADS COMPRISING STOP BEADS, ANGLE BEADS AND DRIP BEADS AS REQUIRED.

RENDER BEADS TO BE CUT NEATLY FORMING MITRES AT RETURN ANGLES AND REMOVE ANY SHARP EDGES. BEADS FIXED SECURELY USING LONGEST POSSIBLE LENGTHS, PLUMB, SQUARE AND TRUE TO LINE AND LEVEL, ENSURING FULL CONTACT OF WINGS WITH BACKGROUND. BEADS TO BE MECHANICALLY FIXED TO MASONRY. AFTER RENDER COATINGS HAVE BEEN APPLIED, REMOVE RENDER WHILE STILL WET FROM SURFACES OF BEADS/STOPS WHICH ARE TO BE EXPOSED TO VIEW.

RENDER ANGLE BEADS TO ALL EXTERNAL CORNERS INCLUDING JAMBS OF EXTERNAL OPENINGS. RENDER DRIP BEADS AT BASE OF EXTERNAL RENDERING.  
RENDER STOP BEADS AT ALL RENDER ABUTMENTS WITH WINDOWS AND EXTERNAL DOOR FRAMES AND UNDERSIDE OF WINDOW SUB-CILLS AND ROOF SOFFIT LININGS.

K-REND BASE COAT TO BE 'STANDARD U BASE' APPLIED TO THICKNESS OF 10MM HAND APPLIED AND STRAIGHTENED WITH DARBYS/STRAIGHT EDGE WITH ANY HOLLOWES FILLED IMMEDIATELY BEFORE A SKIN IS FORMED. SMALL AREAS AROUND QUOINS, ARCHES AND REVEALS CAN BE LEFT WITH PLASTIC FLOAT FINISH AVOIDING ANY POLISHING.

K-REND FINISHING COAT TO BE 'SILICONE WP' TO SELECTED COLOUR APPLIED TO THICKNESS OF 12MM HAND APPLIED AND STRAIGHTENED WITH DARBYS/STRAIGHT EDGE WITH ANY HOLLOWES FILLED IMMEDIATELY BEFORE A SKIN IS FORMED. SMALL AREAS AROUND QUOINS, ARCHES AND REVEALS CAN BE LEFT WITH PLASTIC FLOAT FINISH AVOIDING ANY POLISHING.

K-REND FINISHING COAT TO RECEIVE SCRAPPED SURFACE FINISH CARRIED OUT WHEN THE RENDER HAS SET BUT NOT FULLY HARDENED. THE EXACT TIMING VARIES ACCORDING TO WEATHER CONDITIONS BUT TYPICALLY, IN MODERATE CONDITIONS, THE RENDER SHOULD BE SCRAPPED THE DAY AFTER APPLICATION, USING RECOMMENDED SCRAPPING TOOL. THE RENDER SHOULD BE SCRAPPED LIGHTLY IN A TIGHT CIRCULAR MOTION TO PRODUCE A UNIFORM FINISH. REMOVE ONLY 1-2MM FROM THE COMPLETE SURFACE WITH ALL AREAS SCRAPPED AT THE SAME STAGE OF READINESS. IMMEDIATELY AFTER SCRAPPING USE A SOFT BRUSH TO REMOVE LOOSE MATERIAL. BRUSHING WILL HIGHLIGHT ANY UNSCRAPPED AREAS WHICH CAN THEN BE SCRAPPED IMMEDIATELY TO AVOID ANY COLOUR VARIATION.

APPLY RENDER COATINGS FIRMLY TO ACHIEVE GOOD ADHESION AND IN ONE CONTINUOUS OPERATION BETWEEN ANGLES AND JOINTS. RENDER COATINGS TO BE NOT LESS THAN THICKNESS SPECIFIED, FIRMLY BONDED, OF EVEN AND CONSISTENT APPEARANCE, FREE FROM RIPPILING, HOLLOWES AND RIDGES. FINISH SURFACE TO A TRUE PLANE, TO CORRECT LINE AND LEVEL, WITH ALL ANGLES AND CORNERS TO A RIGHT-ANGLE AND WITH WALLS AND REVEALS PLUMB AND SQUARE.

MASK AROUND WINDOW/EXTERNAL DOOR FRAMES AND ROOF JOINERY AS REQUIRED AND MIX AND APPLY RENDER COATINGS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND APPLY SURFACE FINISHES AS BEFORE DESCRIBED.

EXTERNAL WALL INSULATION AND INTERNAL LINING COMPRISING:

120MM THICK CELOTEX LTD. OR EQUAL APPROVED, YR4120 INSULATION BOARD CUT AND FRICION FITTED BETWEEN ALL MEMBERS OF TIMBER FRAMED INNER LEAF WITH INSULATION BOARD PUSHED OUT TO ABUTT SHEATHING BOARD LEAVING 20MM CAVITY FOR ELECTRICAL SERVICES.

30MM THICK CELOTEX LTD. OR EQUAL APPROVED, TB4030 INSULATION BOARD LINING OVERLAYING TIMBER FRAMED INNER LEAF WITH ALL JOINTS IN INSULATION BOARDS OCCURRING OVER LINE OF TIMBER FRAME STUDS AND INSULATION BOARD PINNED TO ALL TIMBER FRAME MEMBERS AND ALL JOINTS IN INSULATION BOARD SEALED AND TAPED USING ALUMINIUM FOIL SELF-ADHESIVE TAPE TO PROVIDE MOISTURE RESISTANT PERFORMANCE. ALL SERVICES PASSING THROUGH INSULATION BOARD TO BE SEALED AND TAPED AS BEFORE DESCRIBED.

EXTERNAL WALL OPENING REVEALS LINED WITH 12MM THICK CELOTEX LTD. OR EQUAL APPROVED, TB4012 INSULATION BOARD OVERLAYING TIMBER FRAMED INNER LEAF WITH INSULATION BOARD PINNED TO TIMBER FRAMING AND ALL JOINTS IN INSULATION BOARD SEALED AND TAPED USING ALUMINIUM FOIL SELF-ADHESIVE TAPE TO PROVIDE MOISTURE RESISTANT PERFORMANCE.

EXTERNAL WALLS LINED INTERNALLY WITH 12.5MM THICK GYPROC TAPERED EGGED WALLBOARD INSTALLED WITH LONG EDGES VERTICAL WITH SIDE JOINTS OCCURRING OVER TIMBER FRAME STUDS BEFORE DESCRIBED AND BOARDS FIXED USING GALV PLASTERBOARD NAILS AT 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 'HISTLE MULTI-FINISH PLASTER.

'U' VALUE OF EXTERNAL WALL CONSTRUCTION 0.16W/m<sup>2</sup> K.

Client  
MR + MRS BIRD.

Project  
PROPOSED REPLACEMENT BUNGALOW + GARAGE, 'MALVERN', OLD ROAD, STUDLEY, CALNE, WILTSHIRE. SN11 9NF

Drawing Title  
WORKING DRAWING. SECTION 2. SHEET 1.

Scale Date Drawn by  
AS INDICATED JAN 2013

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2012-28 23A

TYPICAL EXTERNAL OPENING JAMB DETAIL

SCALE 1/10