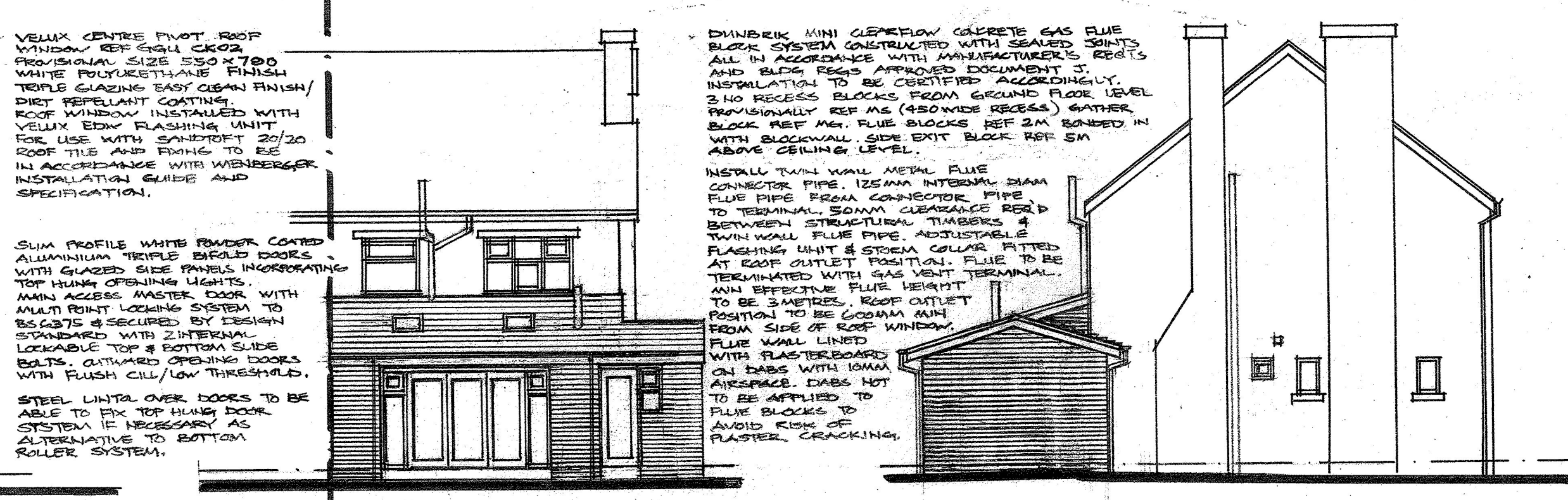


South / Rear Elevation as existing East / Side Elevation



South / Rear Elevation as proposed East / Side Elevation

VELUX CENTRE PIVOT ROOF WINDOW REF 8941 0202. PROVISIONAL SIZE 1350 X 700 WHITE POLYURETHANE FINISH. TILES GLAZING BODY CLEAN FINISH. DIRT REPELLENT COATING. ROOF WINDOW INSTALLED WITH VELUX EDG FLASHING UNIT FOR USE WITH SANDTOPT 20/20 ROOF TILES AND FINISH TO BE IN ACCORDANCE WITH WENBERGER INSTALLATION GUIDE AND SPECIFICATION.

SUM PROFILE WHITE POWDER COATED ALUMINIUM TRIPLE BEADED COVERS WITH GLAZED SIDE PANELS INCORPORATING TOP HUNG OPENING LIGHTS. MAIN ACCESS MASTER DOOR WITH MULTI POINT LOCKING SYSTEM TO BE SECURED BY 125MM STAINLESS STEEL WITH INTERNAL SECURITY BOLTS. OUTWARD OPENING DOORS WITH FLUSH GILL/LOW THRESHOLD.

STEEL LINTEL OVER DOORS TO BE ABLE TO FIX TOP HUNG DOOR SYSTEM IF NECESSARY AS ALTERNATIVE TO BOTTOM ROLLER SYSTEM.

MINI DUNBERG GAS BLUE BLOCK SYSTEM CONSTRUCTED WITH SEALED JOINTS ALL IN ACCORDANCE WITH MANUFACTURER'S EGDS AND BLDG REGS APPROVED DOCUMENT 3. INSTALLATION TO BE CERTIFIED ACCORDINGLY. 2 NO RECESS BLOCKS FROM GROUND FLOOR LEVEL. PROVISIONAL REF AND (RESPONSE DEGREE) EITHER BLOCK REF 1MM. BLUE BLOCKS REF 2M. BORED IN WITH BLOCKWALL. SEE EXIT BLOCK REF 5M ABOVE CEILING LEVEL.

INSTALL 100MM WALL METAL FLUE CONNECTOR PIPE. 125MM INTERNAL 25MM FLUE PIPE. 50MM CLEARANCE REMD BETWEEN STRUCTURAL TIMBERS & 100MM WALL FLUE PIPE. ADJUSTABLE FLASHING UNIT & SPECIAL GLASS FITTED AT ROOF OUTLET TERMINATED WITH GAS VENT TERMINAL. MAIN EFFECTIVE FLUE HEIGHT TO BE 2 METRES. ROOF OUTLET POSITION TO BE 500MM MIN FROM SIDE OF ROOF WINDOW. FLUE WALL LINED WITH PLASTERBOARD ON BASE WITH 100MM INSULATION. DABS NOT TO BE APPLIED TO BLUE BLOCKS TO AVOID RISK OF PLASTER CRACKING.

SANDTOPT ANALED PROFILE EDGE WITH GABLE END TO ROOF OVER UTILITY AREA. WENBERGER SANDTOPT 20/20 INTERLOCKING CLAY TILES. COLOUR REF 1500. FLASHING UNIT (REF 15) SET OUT ACROSS THE WIDTH TO BRIDGE OVER JUNCTION OF 20-20 GUTTER WITH MANUFACTURER'S RECOMMENDATIONS. TECHNICAL NOTES AND INSTALLATION GUIDE FOR LOW TITCH ROOFS. INCORPORATE 3-4MM ADJUSTMENT SHUNT BUILT INTO THE SLIDING INTERLOCKS.

TILES TO HAVE A HEADLAP OF 100MM MIN TO 120MM MAX. LEAVES TILES NAILED SECURED 30 MM X 25 MM TREATED TIL BATTEN GAUGE. 280 MM MAX TO 210 MM MIN. TILES TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TECHNICAL NOTES AND INSTALLATION GUIDE FOR LOW TITCH ROOFS. INCORPORATE 3-4MM ADJUSTMENT SHUNT BUILT INTO THE SLIDING INTERLOCKS.

TILES TO BE FIXED WITH 45MM X 3.55MM ALUMINIUM CLIP NAILS WHERE REQUIRED AND FIXING SPECIFICATION BY MANUFACTURER.

PROPRIETARY PLASTIC CAVITY TRAY. AT ABUTMENT BUILT INTO CAVITY WALL. KEYS DECIDED ON APPROVE. EQUIPPED TOGETHER. WEAPMENT AT CENTRE OF EACH TRAY. WENBERGER TOP ABUTMENT VENT. WITH MANUFACTURER'S SPEC. CORE & LEAD FLASHING OR WENBERGER VENT. LEAD REPLACEMENT FREE TO BAW & ABUTMENT VENT.

NEW WINDOWS TO BE DOUBLE GLAZED - 28MM LOW E UNITS WITH TOUGHENED SAFETY GLASS. TO DOORS AND SIDE PANELS.

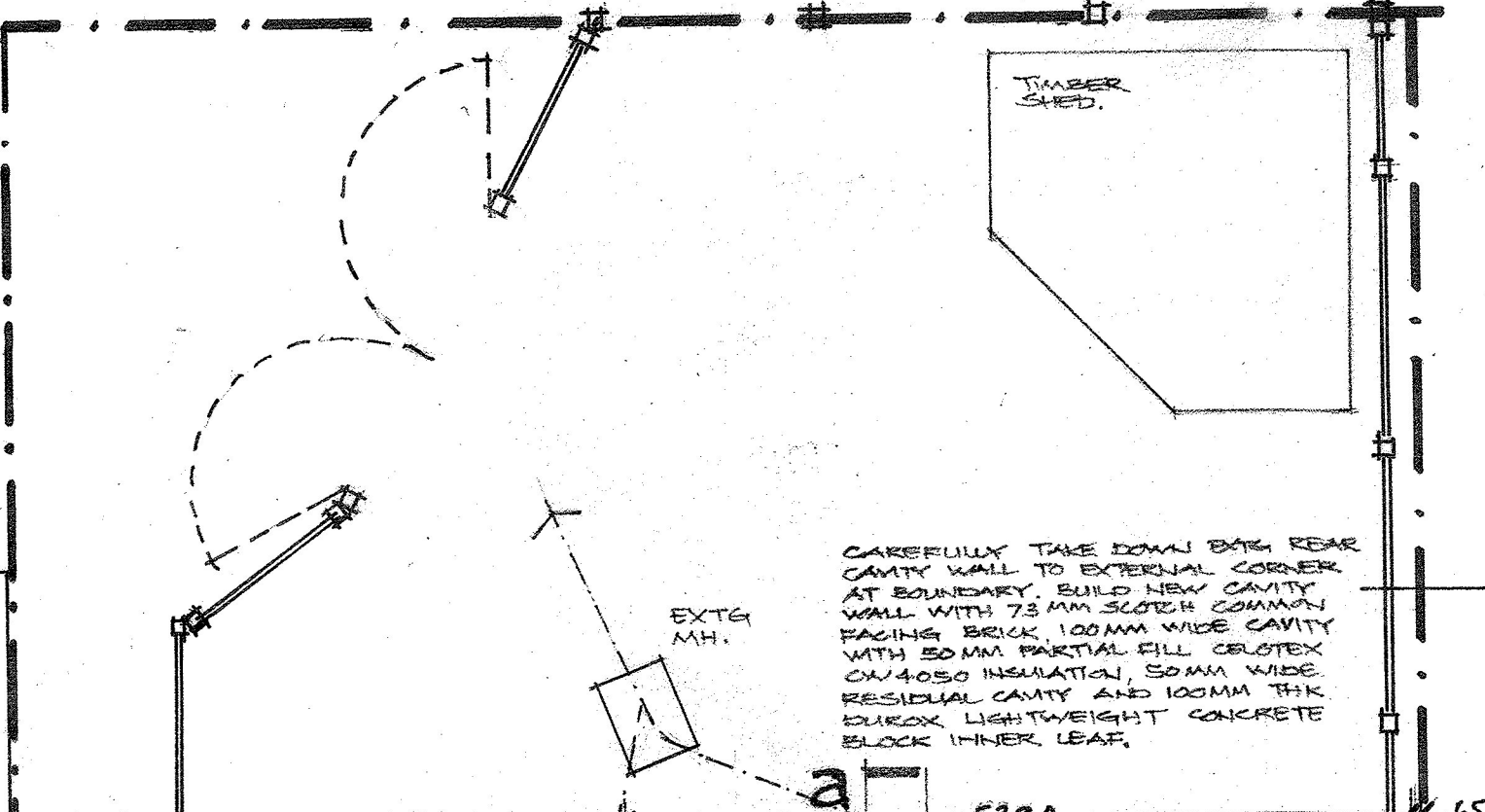
CONSTRUCTION TO ACHIEVE MAX U VALUES AS FOLLOWS:

FINISHED ROOF AT EXTERIOR LEVEL: 0.18 W/M²K
EXTERNAL WALLS: 0.28 W/M²K
GROUND FLOOR: 0.22 W/M²K

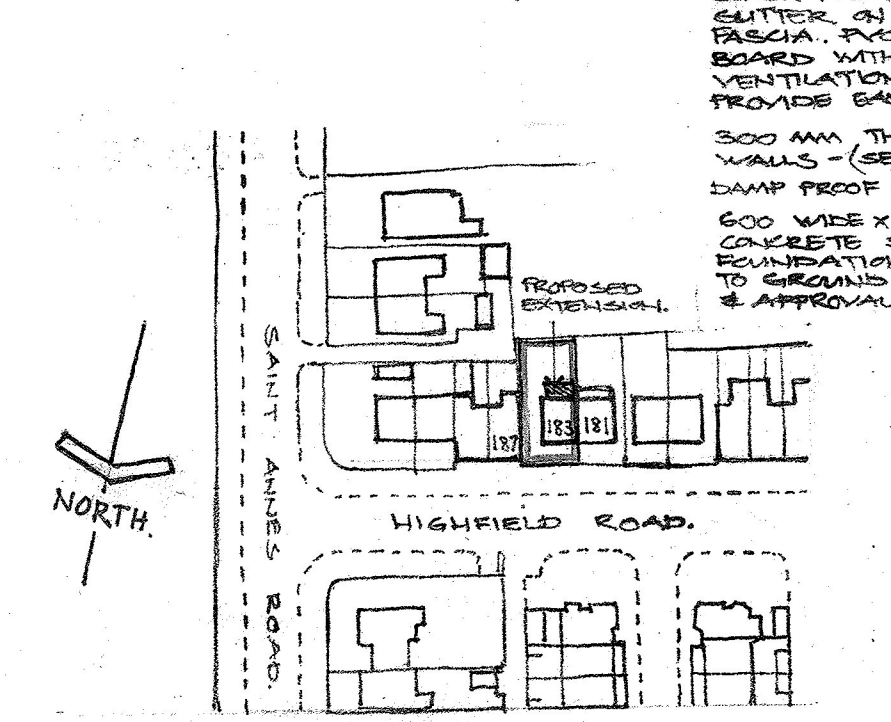
GAS FLUE BLOCK SYSTEM TO BE SUPPLIED BY: DUNBERG (YORKS) LTD, 172 FERBY LANE STANLEY FERRY, WAKEFIELD WEST YORKSHIRE, WF5 4LT. TEL 01424 373694

125MM THK CONCRETE FLOOR SLAB THICKENED TO 175MM X 450 W/25% BELOW 140MM THK CONCRETE BLOCK INTERNAL WALL. SLAB REINFORCED WITH A142 MESH FABRIC REINFORCEMENT AT BOTTOM OF SLAB WITH 25MM MIN CONCRETE COVER.

CONCRETE SLAB TO BE GRADE C32/40 WITH MIN CEMENT CONTENT OF 350 KG/M³. WATER/CEMENT RATIO OF 0.46. MAXIMUM AGGREGATE SIZE 20MM. SUB BASE TO BE MOT TYPE 1 AND WELL COMPACTED WITH VIBRATING ROLLER.



Ground Floor Plan as proposed



Block Plan scale: 1/1250

Notes:

ALL WRITTEN DIMENSIONS TO TAKE REFERENCE OVER SCALE & TO BE CHECKED & AGREED ON SITE.

ALL CONSTRUCTION - BEARING TIMBER SIZES, TYPICAL INSULATION & FINISHES TO BE IN ACCORDANCE WITH LATEST EDITIONS OF THE BUILDING REGULATIONS 2010 AS UPDATED & IN ACCORDANCE WITH LATEST EDITIONS OF THE LOCAL AUTHORITY.

PROPOSED BUILT IN SYSTEM 100MM TYPICAL BEBED & SURROUNDED IN 150MM BEADWORK. IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 100MM BEADWORK TO BE 150MM ABOVE SURROUNDING PATH LEVEL WITH 150MM MIN HORIZONTAL LAPS. EPDM TO BE USED FOR INSULATION. CHANNELS TO BE IN EACH BLOCK COURSE.

HYLOD POLYURETHANE DPC TO BE 150MM ABOVE SURROUNDING PATH LEVEL WITH 150MM MIN HORIZONTAL LAPS. EPDM TO BE USED FOR INSULATION. CHANNELS TO BE IN EACH BLOCK COURSE.

NEW CAVITY WALL TO HAVE CONTINUOUS CAVITY AT JUNCTION WITH EXIST REAR EXTERNAL WALL. SIMILAR STAINLESS STEEL WALL SPACER CHANNELS FIXED TO EXIST REAR WALL & STAINLESS STEEL TIES BUILT INTO NEW BLOCK FACING OUTER LEAF & FIXED EVERY 3RD COURSE & IN EACH COURSE TO NEW BLOCKWORK INNER LEAF. EXTERNAL WALLS TO HAVE MIN EXTERNAL RETIENS OF 800MM AS APPROVED DOCUMENT 3. CAVITIES AT BEADWORK TO BE SEALED WITH GUTS OR SATURATED INTERVAL.

EXTERNAL WALL FROM TOP OF FOUNDATION TO ONE COURSE BELOW GROUND LEVEL TO BE CONSTRUCTED IN CONCRETE COMMON BRICKS & INSULATED ON BOTTOM SIDE OF STAINLESS STEEL WALL TIES WITH RETAINING CLIP TO ENSURE INSULATION IS HELD PERMANENTLY IN PLACE AGAINST LATERAL STABILITY TO GABLE WALL. STAINLESS STEEL TIES SHOULD BE INSTALLED AT LEAST ONE COURSE BELOW DAMP PROOF COURSE LEVEL & POSITIONED AT MAX 600MM CTS HORIZONTALLY TO PROVIDE A MINIMUM OF 2 NO TIES PER 1200MM BOARD.

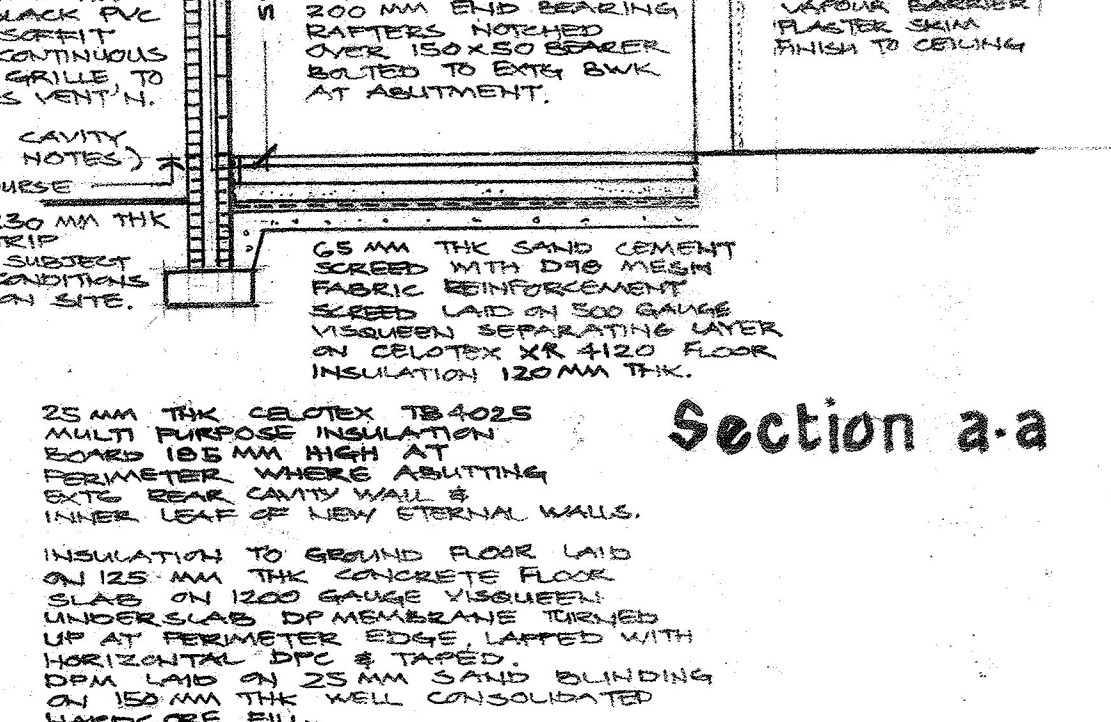
STAINLESS STEEL WALL TIES TO BE 12x125 FIXED AT 600MM CTS STAGGERED HORIZONTALLY & 450MM MAX CTS VERTICALLY. FULL OR CUT BOARDS SHOULD BE OBTAINED BY A MINIMUM OF 3 NO TIES AROUND ITS PERIMETER. THE UNPRINTED FILL SURFACE SHOULD FACE THE AIR CAVITY. HORIZONTAL & VERTICAL JOINTS SHOULD BE TIGHTLY BUTTED. A MINIMUM OF 50MM RESIDUAL CAVITY SHOULD BE PROVIDED. WALL TIES TO BE POSITIONED AT EACH BLOCK COURSE AT JAWES OF ALL OPENINGS & WITHIN 150MM OF EDGE OF OPENING.

CAVITY TO BE CLOSED AT JAWES OF ALL OPENINGS WITH A RETURN & VERTICAL DPC OR A PROPRIETARY INSULATED CAVITY CLOSER. INNER LEAF OF CAVITY WALL TO BE CURVED 100MM THK LIGER. SHOWN CONCRETE BLOCK WITH 15MM THK COAT PLASTER FINISH.

NEW 100MM THK STUD PARTITION BETWEEN SHOWER AREA & KITCHEN - 70x45 TREATED SW STUDS AT 400MM CTS. INTERIORS AT 100MM STAGGERED CTS TO 250 BOTTOM BOARD NAILED TO 100x50 TREATED SW SOLE PLATE FIXED TO EXIST FLOOR JOISTS. 70x45 FLOOR BEAR. BEDROOM 5.5MM THK EXT FLOOR BOARDING. 12.5MM THK PLASTERBOARD WITH 12.5MM THK STUCCO. 12.5MM THK TIE BACKER TO BE 75MM THK WITH 45 X 45 TIMBER FRAMING. 2500 X 6000 12.5MM THK TILE BACKER TO BE 75MM THK WITH 45 X 45 TIMBER FRAMING. TO BE SHOWER AREA FIXED WITH POLYURETHANE ADHESIVE AND SCREWED TO TIMBER STUDS.

DUNBERG GAS BLUE BLOCK SYSTEM TO BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDE FOR TRADITIONALLY BUILT CAVITY WALLS. BLOCK REFERENCE 100MM (450 WIDE RECESS) OR 150MM (450 WIDE RECESS) TO BE CONFIRMED.

NEW WINDOW OPENING LIGHTS TO BE OF AN AREA OF NOT LESS THAN 1/20 OF THE FLOOR AREA OF THE ROOM. WINDOWS WITH TRICKLE VENTS (OR NIGHT VENTILATION).



Section a-a

Notes:

100x50 W/P LATE STRAPPED TO BLOCK INNER LEAF WITH 100x100x30 W/45 X 5MM THE GULLY MS RESTRAINT STRIPS AT 600 CTS AT EACH SIDE. STRAPPING FOR EXIST DPC TO BE 2 NO 3.75 X 3 X 30MM SHEARPLATE NAILS IN TOP OVERPLATE & 1 NO 150 WOODSCREW & 2 NO 5 TO BLOCKWORK.

W/P LATE BUILT TO TOP FLANGE OF CAVITY WALL. 250MM LIGER - END BOARDS AT 600MM CTS.

100x50 C/G BRACE RAFTERS AT 400MM CTS. RAFTERS SECURED IN POSITION WITH GULLY MS TIE CLIPS OVER WITH 3.75 X 30MM TWISTED SHEARPLATE NAILS. RAFTERS BOLTED UP AT SIDES OF VELUX ROOFLIGHTS.

LATERAL STABILITY TO GABLE WALL 30x60MM GULLY MS STRIPS AT 1.5 CTS WITH DOWNHUNG AGAINST OUTER FACE OF BLOCK INNER LEAF & FIXED WITH 50x45MM SCREW TO 3 RAFTERS & BRACINGS.

NEW CAVITY WALLS TO BE 215x100x75MM SCOTCH COMMON BRICK FACING OR OTHER APPROVED MATCHED COURSE BRICKWORK. 100MM WIDE CAVITY WITH 50MM THK CELOTEX CW4050 PARTIAL FILL CAVITY WITH INSULATION SUPPORTED ON BOTTOM ROW OF STAINLESS STEEL WALL TIES WITH RETAINING CLIP TO ENSURE INSULATION IS HELD PERMANENTLY IN PLACE AGAINST LATERAL STABILITY TO GABLE WALL. STAINLESS STEEL TIES SHOULD BE INSTALLED AT LEAST ONE COURSE BELOW DAMP PROOF COURSE LEVEL & POSITIONED AT MAX 600MM CTS HORIZONTALLY TO PROVIDE A MINIMUM OF 2 NO TIES PER 1200MM BOARD.

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Roof Plan

Ground Floor Plan as existing

Proposed Rear Extension & Internal Alterations. 183 Highfield Road. Blackpool. for Mrs A Grugel