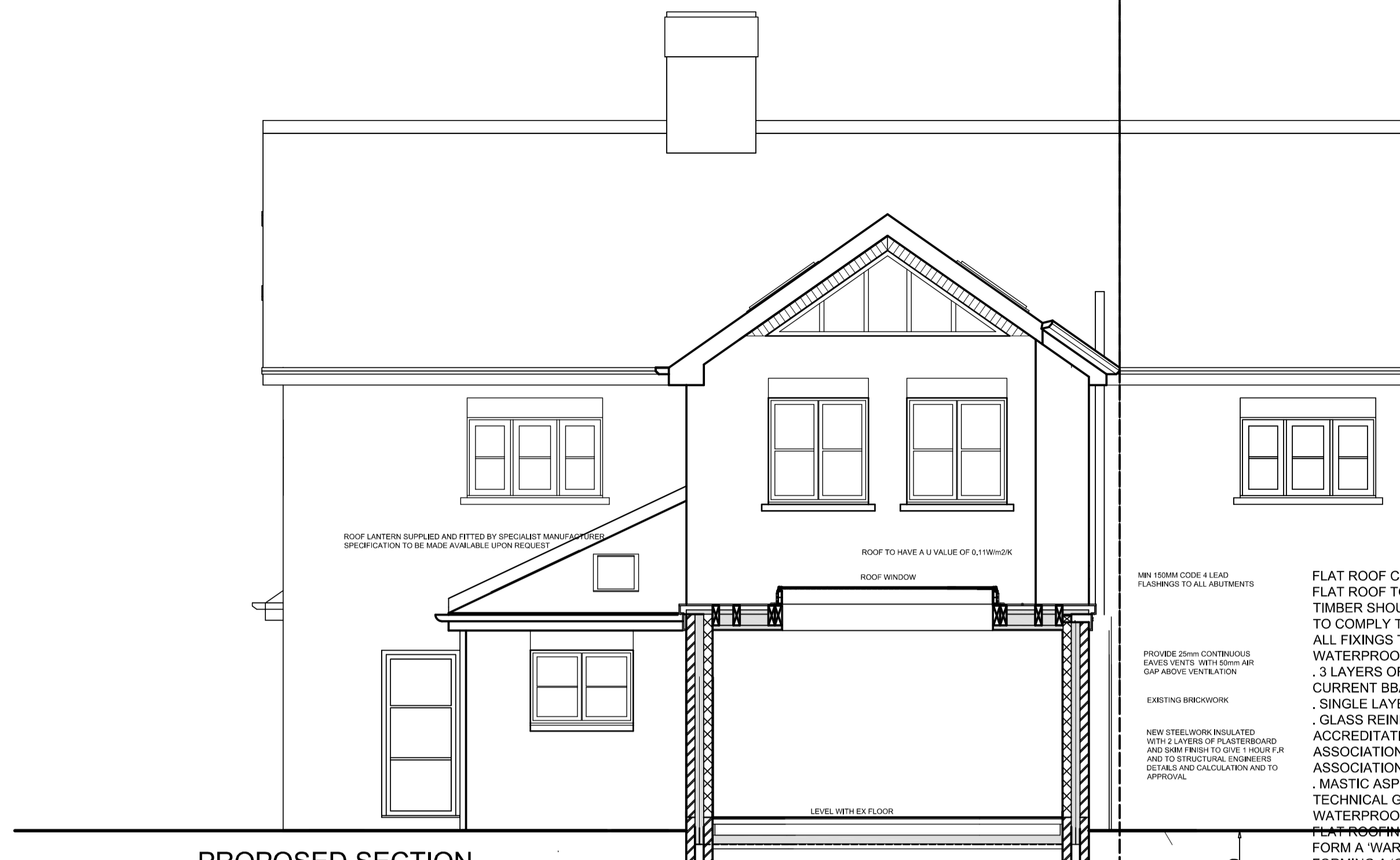


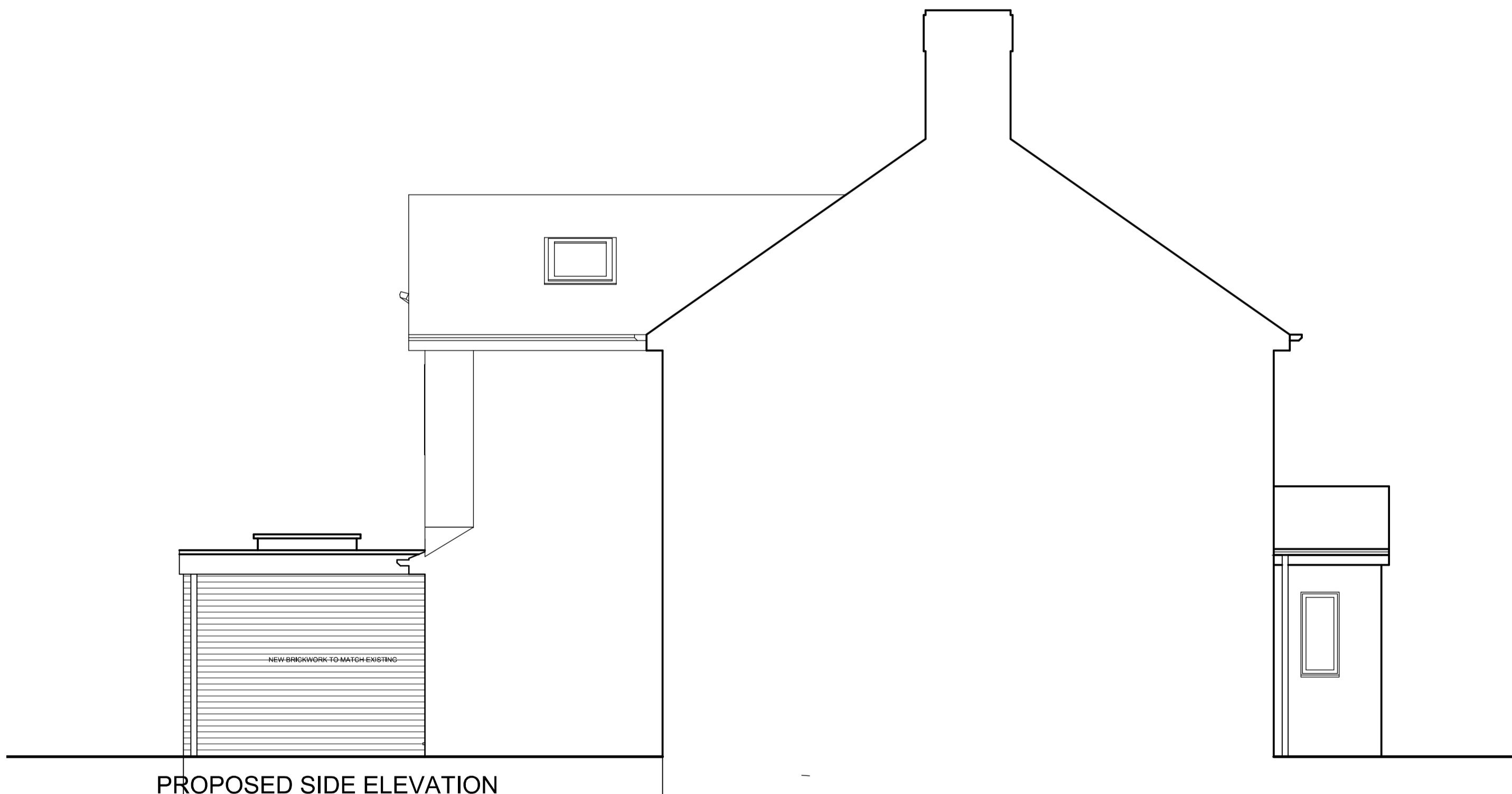
PROPOSED SECTION



PROPOSED SECTION

FLAT ROOF CONSTRUCTION
 FLAT ROOF TO BE CARRIED OUT AS DETAILED ON THE DRAWINGS. MOISTURE CONTENT OF TIMBER SHOULD NOT EXCEED 20% AND TO BE KILN DRIED & GRADE C24. WORKMANSHIP TO COMPLY TO BS 8000:4.
 ALL FIXINGS TO BE PROPRIETARY STAINLESS STEEL OR GALVANIZED STEEL.
 WATERPROOF COVERINGS: TO BE EITHER:
 . 3 LAYERS OF HIGH PERFORMANCE FELT (HOT BONDED TOGETHER WITH BITUMEN) TO A CURRENT BBA CERTIFICATE IN COMPLIANCE WITH BS8217
 . SINGLE LAYER SYSTEM WITH A CURRENT BBA OR WIMLAS CERTIFICATE
 . GLASS REINFORCED PLASTIC (GRP) SYSTEM WITH A CURRENT BBA OR OTHER APPROVED ACCREDITATION . LEAD SHEET FIXED IN COMPLIANCE WITH THE LEAD DEVELOPMENT ASSOCIATIONS GUIDE TO GOOD PRACTICE OR IN COMPLIANCE WITH THE LEAD SHEET ASSOCIATIONS TECHNICAL GUIDANCE SHEETS AVAILABLE FROM: WWW.LEADSHEET.CO.UK.
 . MASTIC ASPHALT FIXED IN COMPLIANCE WITH THE MASTIC ASPHALT COUNCILS TECHNICAL GUIDES & SPECIFICATIONS
 WATERPROOF COVERING TO BE LAID IN COMPLIANCE WITH MANUFACTURERS DETAILS BY THE FOLLOWING:
 . FORM A 'WARM ROOF' (OR ALTERNATIVELY INSULATION FIXED BETWEEN/UNDER JOISTS FORMING A 'COLD ROOF') FIXED TO .22MM EXTERNAL QUALITY PLYWOOD DECKING OR SIMILAR APPROVED LAID TO 1:60/80 MINIMUM GRADIENT USING FIRING STRIPS AT SPACING TO MATCH JOISTS. FIXED ONTO TIMBER FLAT ROOF JOISTS CONSTRUCTED OF KILN DRIED STRUCTURAL GRADE TIMBER WITH SIZES AND SPACING SUITABLE FOR THE PROPOSED CLEAR SPAN SURFACE FINISH TO FLAT ROOFS: TO CONSIST OF BITUMEN BEDDED STONE CHIPPINGS COVERING THE WHOLE SURFACE TO A DEPTH OF 12.5MM TO ACHIEVE A CLASS AA, AB OR AC FIRE RATED DESIGNATION FOR SURFACE SPREAD OF FLAME.
 LATERAL RESTRAINT STRIPS AT MAXIMUM 2000MM CENTERS FIXED TO 100 X 50MM WALL PLATES AND INTERNAL WALL FACES

MINIMUM DEPTH OF FOUNDATIONS IN GROUND TO BE 1000MM OR TO SUIT GROUND CONDITIONS AS DIRECTED BY LA INSPECTOR ON SITE
 WALLS BELOW EXTERNAL GROUND FLOOR LEVEL TO HAVE NEW 100MM CONCRETE INFILL TO CAVITY
 FOUNDATIONS TO BE TAKEN DOWN TO THE LEVEL OF ANY DRAINS WITHIN THE FOUNDATION
 ALL SIZES AND APPROXIMATE AND ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION FABRICATION.
 60mm S/S SCREED ON 150mm MIN CONCRETE ON 60mm MIN WINGSPAN INSULATION WITH 25mm UPSTANDS TO EXPOSED WALLS ON 1000 VIGORITEN LAMINATED DPC ON 100mm SAND BURNING ON 100mm MECHANICALLY COMPACTED HARDCORE.
 FLOOR TO HAVE A U VALUE OF 0.11 W/M2K
 100MM WIDE C24 GRAD STRIP FOOTING TO BE DETAIL DEPTH OF FOOTING IS TO BE AGREED ON SITE WITH LA INSPECTOR



PROPOSED SIDE ELEVATION

- A. STRUCTURE
 EXTERNAL WALLS TO COMPOSE 100MM FACED BRICKWORK TO APPROXIMATELY 100MM WINGSPAN CAVITY AND 100MM INSULATION WITH 25MM UPSTANDS TO EXPOSED WALLS ON 1000 VIGORITEN LAMINATED DPC ON 100mm SAND BURNING ON 100mm MECHANICALLY COMPACTED HARDCORE.
 CAVITY WALL INSULATION TO PROVIDE MIN. U VALUE OF 0.11 W/M2K AND TO HAVE AN U VALUE DEPENDENT POTENTIAL OF 0.10 OR LESS.
 STAINLESS STEEL WALL TIE TO BE SPACED AT 450MM MAX.
 75MM HORIZONTAL AND MAX. 100MM VERTICAL STROPPED ENDS.
 CAVITY WALLS TO BE CLOSED AT EAVES WITH BLOODWING.
 CAVITY CLOSED AROUND ALL OPENINGS WITH PREMANUFACTURED INSULATED DPC'S.
 HORIZONTAL DPC'S TO BE MIN. 100MM ABOVE GROUND LEVEL.
 INSULATED DPC'S TO BE PROVIDED TO ALL HORIZONTAL AND VERTICAL OPENINGS WITH STEPPED CAVITY DPC'S ABOVE ALL EXTERNAL OPENINGS EXTENDING 25MM TO EACH SIDE OF OPENING AND WITH STROPPED ENDS AND INSULATION.
 WALLS TO BE PROVIDED AT MIN. 100MM CENTERS AT GROUND LEVEL. MIN. OF 1000MM THE ROOM FLOOR AREA.
 CHIMNEYS
 VERTICAL CHIMNEYS TO WALLS MUST NOT BE DEEPER THAN ONE THIRD OF WALL LEAF THICKNESS.
 HORIZONTAL CHIMNEYS TO WALLS MUST NOT BE DEEPER THAN ONE SIXTH OF WALL LEAF THICKNESS.
 LINTELS
 TO EXTERNAL OPENINGS: PREFABRICATED STEEL LINTELS TO BE TO SUIT SECTION AND MICROPROOFING THERMAL BREAK WITH MIN. 100MM BEARING TO EACH END WITH DPC OVER TO MANUFACTURERS SPECIFICATION.
 B. FIRE
 ALL ELEMENTS OF STRUCTURE TO BE PROTECTED TO A HALF HOUR FIRE RESISTANCE.
 PARTY WALLS TO BE PROTECTED TO AN HOUR FIRE RESISTANCE.
 ONE NO. MANS OPERATED HEAT DETECTOR TO BE FITTED IN KITCHENS TO CONFORM TO BS 5816 PART 1 AND TO BUILDING REGULATIONS APPROVED DOCUMENT BY SECTIONS 18-11E.
 ONE NO. MANS OPERATED SMOKE DETECTOR IS TO BE FITTED IN EACH HALLWAY TO CONFORM TO BS 5816 PART 1 AND TO BUILDING REGULATIONS APPROVED DOCUMENT BY SECTIONS 18-11E.
- C. SITE PREPARATION AND RESISTANCE TO MOISTURE
 1000mm DEPTH DPC TO BE PROVIDED AT ALL OPENINGS AND ALSO CAVITY TRAP TO BE PROVIDED ABOVE ALL WELLS AND AT ABUTMENTS WITH 100MM UPSTAND CODE 4 LEAD FLASHINGS.
 HORIZONTAL DPC'S TO BE MIN. 100MM ABOVE GROUND LEVEL. DPC'S TO BE PROVIDED TO ALL HORIZONTAL AND VERTICAL OPENINGS WITH STEPPED CAVITY DPC'S TO EACH SIDE OF OPENING AND WITH STROPPED ENDS AND INSULATION.
 ALL OPENINGS PROVIDED AT MIN. 100MM CENTERS AT GROUND LEVEL. MIN. OF 1000MM THE ROOM FLOOR AREA.
 ALL CAVITY TRAPS AND LINTELS.
 D. TOXIC SUBSTANCES
 UNAPPROVED TOXIC SUBSTANCES TO BE USED AS CAVITY WALL INSULATION.
 F. VENTILATION
 OPENING LIGHTS TO WINDOWS TO ALL HABITABLE ROOMS TO BE A MIN. OF 1000MM THE ROOM FLOOR AREA.
 ALL WINDOWS ARE TO BE FITTED WITH CLOSEABLE TRICKLE VENTS TO PROVIDE THE BACKGROUND VENTILATION OF ROOMS.
 ALL OPENING WINDOWS TO HAVE LOCKABLE FASTENERS WITH 20 LOCKING POSITIONS TO ALLOW FOR BACKGROUND VENTILATION.
 ROOF TO BE VENTILATED BY 25MM CONTINUOUS VENT GAP AT EAVES AND VIA VENTILATED ROOF TILES.
 MECHANICAL VENTILATION TO KITCHENS TO PROVIDE EQUIVALENT OF 30 LITRES (SECOND) AT COOKERHOOD.
 MECHANICAL VENTILATION TO BATHROOMS TO PROVIDE EQUIVALENT OF 15 LITRES (SECOND) WITH 10MM OVER RUN.
 G. HYDRINE
 THE HOT WATER SYSTEM IS TO BE VENTED.
 ALL HOT WATER TO BE KEPT AND RAN TO BE FROM BOILER IN ACCORDANCE WITH SPECIALIST ENGINEERS DETAILS & CALCULATIONS.
 ALL HOT WATER TO BE KEPT AND RAN TO BE FROM BOILER IN ACCORDANCE WITH SPECIALIST ENGINEERS DETAILS & CALCULATIONS.
 SANITARY CONVENIENCES AND WASHING FACILITIES:
 TO HAVE HOT WATER.
 TO HAVE HOT WATER.
- H. DRAINAGE
 APPURTEANCES SHALL BE FITTED WITH THE FOLLOWING TRAPS:
 SINK - 40MM DIA. BOTTLE TRAP WITH 75MM SEAL.
 SINKS TO DISCHARGE THROUGH TRAP TO 100MM DIA. WASTE AND THEN TO GULLY OR S/WP AS REQUIRED.
 PRESHOWERED ALL ATCH TO BE CAPABLE OF WITHSTANDING AIR TEST OF POSITIVE PRESSURE OF 300MM WATER GAUGE FOR THREE MIN.
 GULLIES TO SINKS AND WASHINGS WHERE PROVIDED ARE HEAVY DUTY GULLIES & INTEGRAL VERTICAL BACK INLET CODE SUPERLEVATE BEHOLDERS APPROVED.
 GULLIES TO BE FITTED WITH SUITABLE FINISHES PRESS TO ALLOW MIN. 100MM OF COVER TO TOP OF GULLY OUTLET.
 ALL WELLS WITHIN 1000 OF FOUNDATION TO BE ENCASED WITH CONCRETE FILLING TRENCH CONCRETE FILL TO BE PROVIDED TO AT LEAST THE LEVEL OF UNDERSIDE OF ANY ADJACENT STRIP FOOTING.
 MINIMUM FALL ON WASTES TO BE 1:40.
 ALL UPPIPEWORK TO BE TO BE 114.
 MATERIALS
 ALL NEW PIPEWORK TO BE HEAVY DUTY SUPERLEVATE WITH MECHANICAL FLORE JOINTS OR SIMILAR APPROVED.
 BEDDING AND BACKFILLING
 ALL PIPES TO HAVE CLASS B BEDDING FACTOR 1.8 OR SUITABLE APPROVED DEPENDANT ON GROUND CONDITIONS.
 INSPECTION CHAMBERS & MANHOLES
 INSPECTION CHAMBERS TO BE HEAVY DUTY POLYPROPYLENE 450MM DIA. OR SIMILAR APPROVED WITH MANHOLE FROM DEPTH NEED COVER FRAME TO LIFT.
 WHERE NEW DRAIN CONNECTS TO EXISTING, NEW 100 DIA. MANHOLE CONCRETE 800mm DIA. MANHOLE MANHOLE TO HAVE 100mm DIA. MANHOLE COVER 600mm DIA. COVER, MANHOLE TO BE CONCRETE CASED.



**7 KENDAL CLOSE
 RAINFORD
 WA11 7LG
 TEL: 07786 362 196
 MAIL: gemorris@blueyonder.co.uk**

PROJECT

PROPOSED ORANGERY

CLIENT

MARK & EMMA McCLEAN
 4 BACK LANE
 AUGHTON
 L39 6SX

DRAWING TITLE

PROPOSED ELEVATION AND SECTIONS

SCALE 1:50

DATE NOVEMBER 2023

DRAWING NO.

MM 010

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