

ELECTRICAL:-
ALL ELECTRICAL WORK REQUIRED TO MEET REQUIREMENTS OF PART P (ELECTRICAL SAFETY) WILL BE DESIGNED, INSTALLED, INSPECTED AND TESTED BY A PERSON COMPETENT TO DO SO.

PRIOR TO COMPLETION THE LOCAL AUTHORITY MUST BE SATISFIED THAT EITHER;

- AN ELECTRICAL INSTALLATION CERTIFICATE ISSUED UNDER A COMPETENT PERSON SCHEME HAS BEEN ISSUED OR,
- APPROPRIATE CERTIFICATES AND FORM DEFINED IN BS 7671 HAVE BEEN SUBMITTED THAT CONFIRM THAT THE WORK HAS BEEN INSPECTED AND TESTED BY A COMPETENT PERSON.

A COMPETENT PERSON WILL HAVE SOUND KNOWLEDGE AND EXPERIENCE RELEVANT TO THE WORK UNDERTAKEN AND TO THE TECHNICAL STANDARDS SET DOWN IN BS 7671, BE FULLY VERSED IN THE INSPECTION AND TESTING PROCEDURES CONTAINED IN THE REGULATIONS AND EMPLOY ADEQUATE TESTING EQUIPMENT.

DRAINAGE:-
EXACT INVERT LEVELS, POSITION, DEPTH AND DIRECTION OF DRAINS TO BE DETERMINED ON SITE DURING EXCAVATIONS.

RWG's TO STORM DRAINS IF FOUND ON SITE.

RWG's TO BE DEEP FLOW BACK UPVC GUTTER SYSTEM 110 x 75mm WITH ASSOCIATED DOWN PIPE. ALL DISCHARGING TO TRAPPED BACK INLET GULLIES.

VENTILATION:-
WINDOWS TO NEW HABITABLE ROOMS TO HAVE OPENING LIGHTS EQUIVALENT TO $\frac{1}{20}$ OF THE FLOOR AREA.

BACKGROUND VENTILATION TO BE PROVIDED TO ALL NEW HABITABLE ROOMS TO PROVIDE MIN OF 8000mm² FREE AREA TO BE PROVIDED VIA TRICKLE VENTS FITTED IN DOOR/WINDOW HEADS.

EXTERNAL WALLS:-
OUTER LEAF CONSTRUCTION WITH 100mm APPROVED FACING BRICK TO MATCH THOSE OF EXISTING DWELLING.

CAVITY 100mm FILLED WITH 100mm DRYTHERM32 CAVITY INSULATION FITTED AS PER MANUFACTURERS INSTRUCTIONS.

INNER LEAR CONSTRUCTION WITH 100mm LIGHTWEIGHT CONCRETE BLOCKWORK OVERALL CONSTRUCTION TO BE 300mm.

BOTH LEAFS TO BE TIED TOGETHER WITH STAINLESS STEEL TWISTED WALL TIES BEDDED MIN 50mm INTO EACH LEAF. MAX SPACINGS 60mm HORIZONTAL AND 450mm VERTICAL AT UNBONDED JAMBS. CAVITIES TO BE SEALED AROUND OPENINGS WITH DACTE OR SIMILAR APPROVED CAVITY CLOSERS. CAVITIES TO BE CONTINUOUS.

EXTERNAL WALL CONSTRUCTION TO HAVE MAX U VALUE OF 0.28 W/m² K. INSULATED D.P.C TO BE INSTALLED AT OPENINGS IN CAVITY WALLS AND CATNIC LINTELS OVER OPENINGS IN PROPOSED AND EXISTING WALLS.

PROPOSED WALLS TO BE TIED TO EXISTING WITH CATNIC WALL STARTERS.

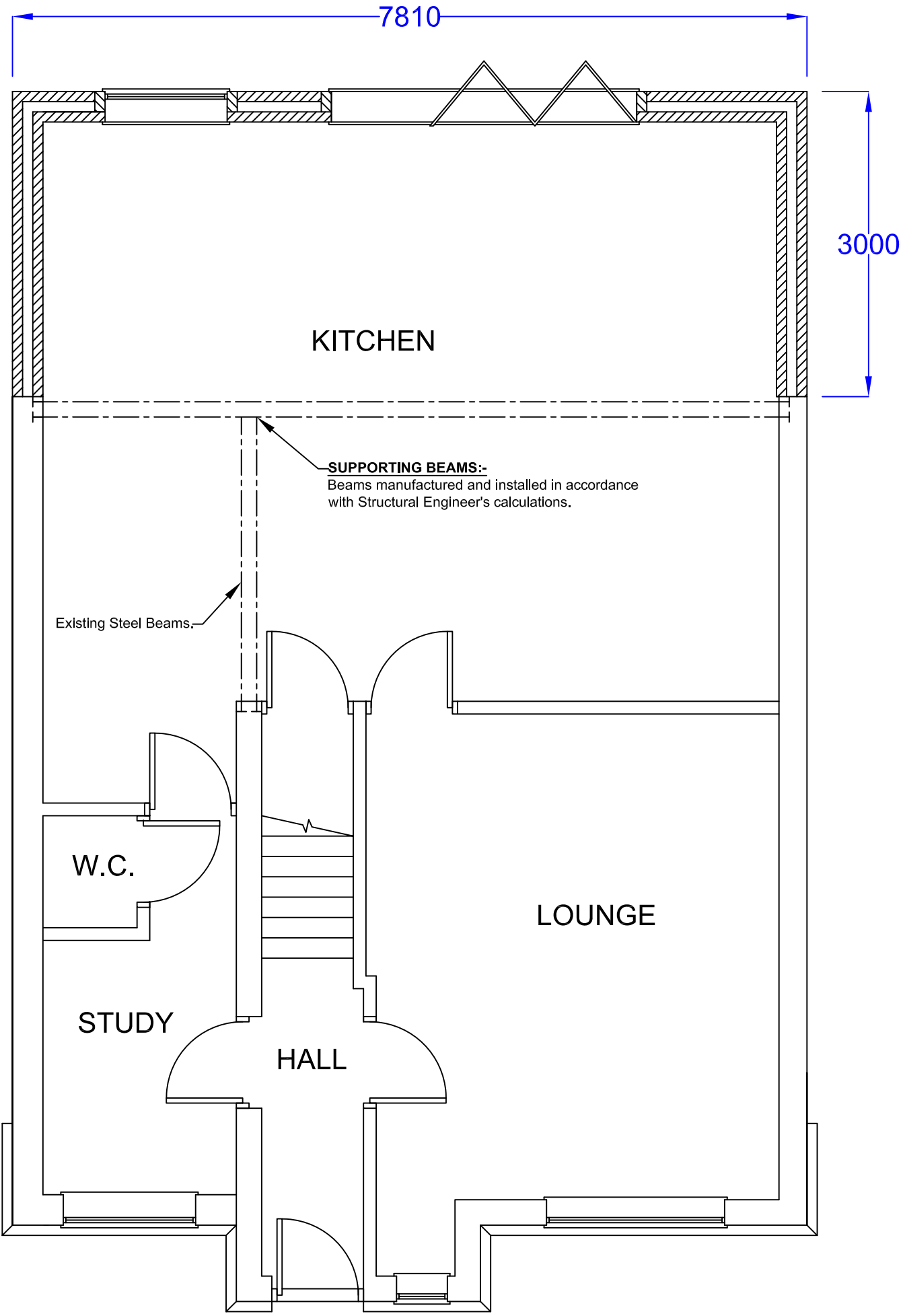
GROUND FLOOR:-
CONSTRUCTION TO HAVE MAX U VALUE REQUIRED OF 0.22 W/m²K. 150MM THICK PLAIN (GRADE 30) CONCRETE SLAB, ON 125mm THICK KINGSPAN THERMAFLOOR TF70 INSULATION BOARD, ON 1200 GAUGE VISQUEEN DAMP PROOF MEMBRANE, ON 50mm THICK BLINDING LAYER OF CLEAN SAND, ON 150mm THICK CLEAN, CONSOLIDATED HARDCORE, ON COMPACTED EARTH. 30MM THICK KINGSPAN THERMAFLOOR TF70 INSULATION BOARD BETWEEN EDGES OF SLAB(S) AND EXTERNAL WALL FACES.

TOP OF CONCRETE FLOOR SLAB TO BE A MINIMUM OF 150MM ABOVE FINISHED GROUND LEVEL.

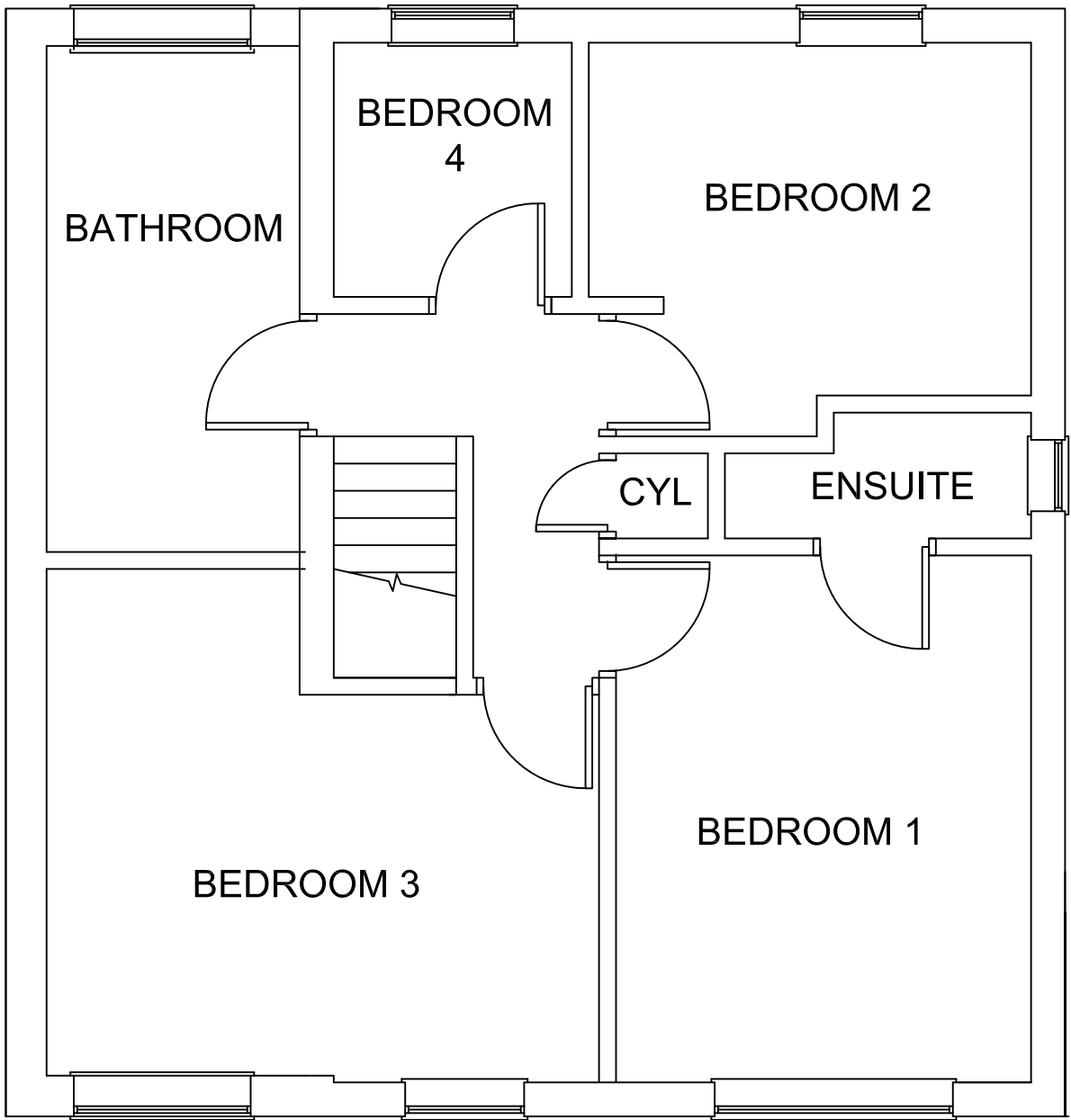
DAMP PROOF COURSE:-
GENERALLY TO BE 225mm ABOVE GROUND LEVEL. DPM TO BE CONTINUOUS WITH DPC. WEEP HOLES AT MAX 900mm CENTRES OVER ALL OPENINGS IN EXTERNAL WALLS. ALL WEEP HOLES TO HAVE PROPRIETY PVC LINERS. INSULATED AND AND HORIZONTAL DPC TO BE PROVIDED AT ALL POSITIONS WHERE CAVITY IS CLOSED. CAVITIES TO BE FILLED TO 225mm BELOW LOWEST DPC IN LEAN MIX CONCRETE WITH WEEP HOLES AT MAX 900mm CENTRES.

ROOF JOINTS:-
FLASHINGS, SOAKERS AD SADDLES TO BE IN LEAD TO BS 1178 IN THE FOLLOWING MIN THICKNESS: FLASHINGS TO BS CODE 4, SOAKERS TO BS CODE 3 AND SADDLES TO BS CODE 4. FLASHING TO HAVE MINIMUM UPSTAND OF 150mm.

ROOF DETAILS:-
ROOF FINISH TO BE INTERLOCKING CONCRETE TILES TO BS EN4901994 TO MATCH EXISTING ROOF LAID STRICTLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS ON SW BATTENS ON TYVEK SUPRO PLUS BREATHER UNDERLAY. BATTENS TO BE 38 X 25mm PRESERVATIVE TREATED SW SECURED TO RAFTERS WITH 65mm ROUND WIRE NAILS. FELT TO BE LAID OVER RAFTERS LAPPED MIN 1500mm HORIZONTALLY AND VERTICALLY AND CARRIED INTO GUTTERS. RAFTERS TO BE 47 x 195mm C16 GRADE TIMBER AT 450mm CENTRES SITTING ON 100 x 50mm C16 GRADE TIMBER WALLPLATE.



GROUND FLOOR



FIRST FLOOR

FOUNDATIONS:-
STRIP FOUNDATIONS TO BE 600 x 225mm AT SAME DEPTH AS EXISTING FOUNDATIONS TO BE C25 GRADE CONCRETE.

ROOF CONTRUCTION:-
PITCHED ROOF TO BE CONSTRUCTED IN SITU AS PER SUPPLIED ENGINEER'S CALCULATIONS.

ROOF INSULATION:-
INSULATION TO THE PITCHED ROOF TO PROVIDE A U-VALUE OF 0.18 W/m²K. 100mm KOOLTHERM BETWEEN RAFTERS UNDRAWN WITH 42.5mm INSULATED 12.5mm K118 INSULATED PLASTERBOARD WITH 3MM SKIM FINISH.

ROOF WINDOWS:-
ROOF WINDOWS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

HEATING:-
EXTEND ALL HEATING AND HOT WATER SERVICES FROM EXISTING AND PROVIDE NEW TVRS TO RADIATORS. HEATING SYSTEM TO BE DESIGNED, INSTALLED, TESTED AND FULLY CERTIFIED BY A GAS SAFE REGISTERED SPECIALIST. ALL WORK TO BE IN ACCORDANCE WITH THE LOCAL WATER AUTHORITIES BYE LAWS, GAS SAFETY REQUIREMENTS AND IEEE REGULATIONS.

DRAINAGE:-
EXACT INVERT LEVELS, POSITION, DEPTH AND DIRECTION OF DRAINS TO BE DETERMINED ON SITE DURING EXCAVATIONS.

RWG's TO STORM DRAINS IF FOUND ON SITE.

RWG's TO BE DEEP FLOW BACK UPVC GUTTER SYSTEM 110 x 75mm WITH ASSOCIATED DOWN PIPE. ALL DISCHARGING TO TRAPPED BACK INLET GULLIES.

ABOVE GROUND DRAINAGE:-
ABOVE GROUND DRAINAGE TO COMPLY WITH BS 5572 1978 FOR SANITARY PIPEWORK. ALL DRAINAGE IN ACCORDANCE WITH PART 'H' OF THE BUILDING REGULATIONS. WASTES TO HAVE 75mm DEEP ANTI VAC BOTTLE TRAPS AND RODDING EYES AT CHANGES OF DIRECTION. ALL PLUMBING TO BE TO BS 5572. PROVIDE STUB STACK CONNECTED INTO EXISTING VENTILATED DRAIN.

SIZE OF WASTES PIPES AND MAX LENGTH OF BRANCH CONNECTIONS (IF MAX LENGTH IS EXCEEDED THEN ANTI VACUUM TRAPS TO BE USED)

SINKS - 3m FOR 40mm PIPE 4m FOR 50mm PIPE
WASHING MACHINE AND DISHWASHER - STAND PIPE 50mm
ALL BRANCH PIPES TO CONNECT TO 110mm SOIL AND VENT PIPE. WASTE PIPES NOT TO CONNECT WITHIN 200mm OF THE W/C CONNECTION .
SUPPLY HOT AND COLD WATER TO ALL FITTINGS AS APPROPRIATE .

WINDOWS:-
ALL NEW WINDOWS TO BE DOUBLE GLAZED HIGH PERFORMANCE WINDOWS. UPVC TO HAVE MAXIMUM 'U' VALUE OF 1.8 W/m² K WITH 20MM AIRSPACE AND LOW EMISSIVITY GLAZING TO INNER LEAF (PILKINGTONS 'K' GLASS OR OTHER APPROVED).

ALL GLAZING TO DOORS AND SIDELIGHTS WITHIN 1500mm OF FLOOR LEVEL AND WINDOWS WITHIN 800mm OF FLOOR LEVEL WILL BE SAFETY TYPE TO BS6206

KITCHEN EXTRACTION:-
PROVISION OF MECHANICAL EXTRACT VENTILATION TO THE KITCHEN PROVIDING A MINIMUM INTERMITTENT EXTRACT RATE OF 30 LITRES/SECOND ADJACENT TO A HOB, OR 60 LITRES/SECOND ELSEWHERE, OR A SATISFACTORY CONTINUOUS EXTRACT RATE IN ACCORDANCE WITH TABLE 5.1A OF THE APPROVED DOCUMENT TO PART F. (F1)

PROPOSED FLOOR PLANS

TITLE	NAME:	UNITS:	
PROPOSED SINGLE STOREY REAR EXTENSION	KEITH PENNANT	MM	
ISSUE 1 : ORIGINAL	ADDRESS:	SCALE:	DATE:
	16 WINTERLEY DRIVE, HALEWOOD, L26 9YH	1:50	FEB 2021