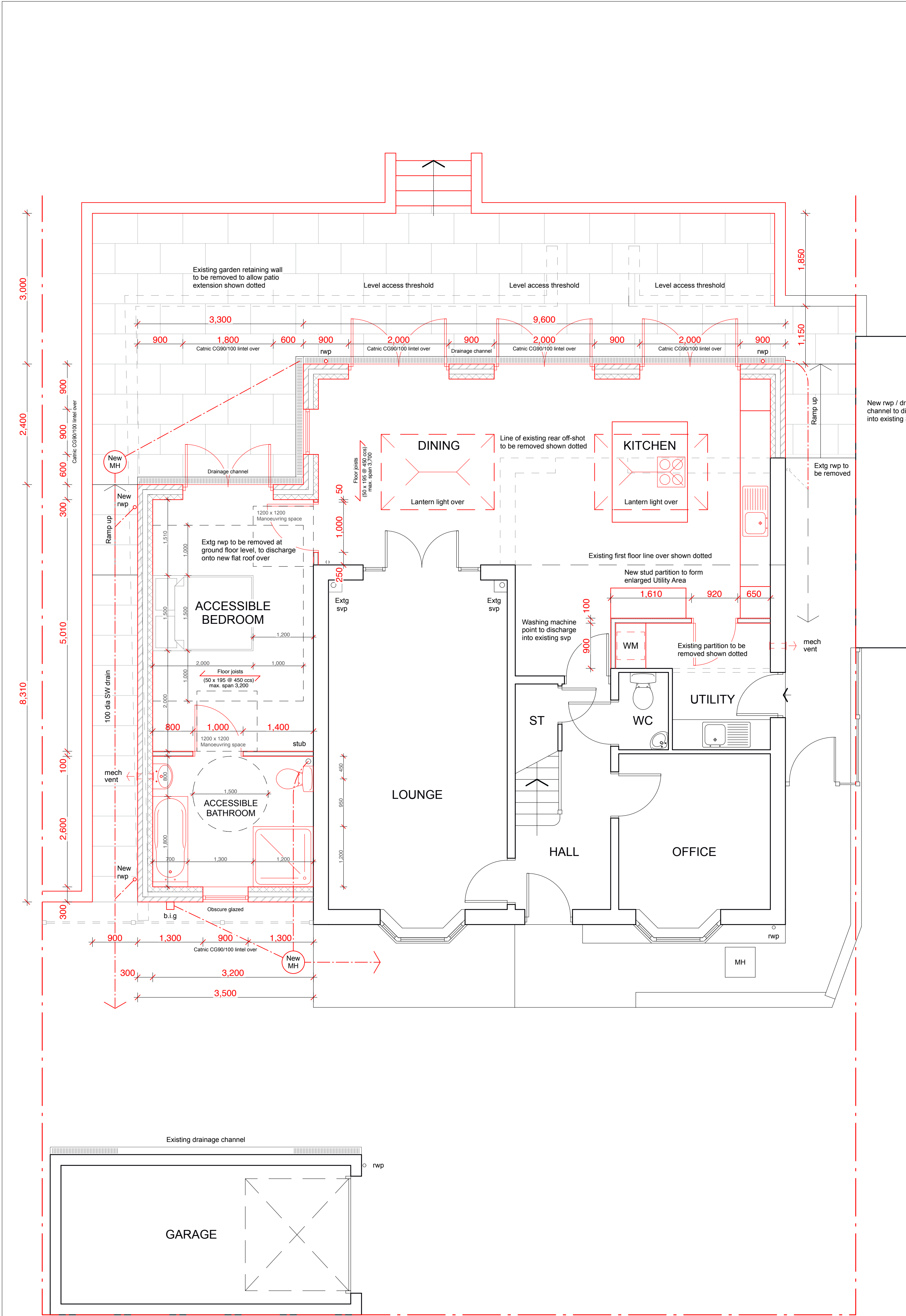
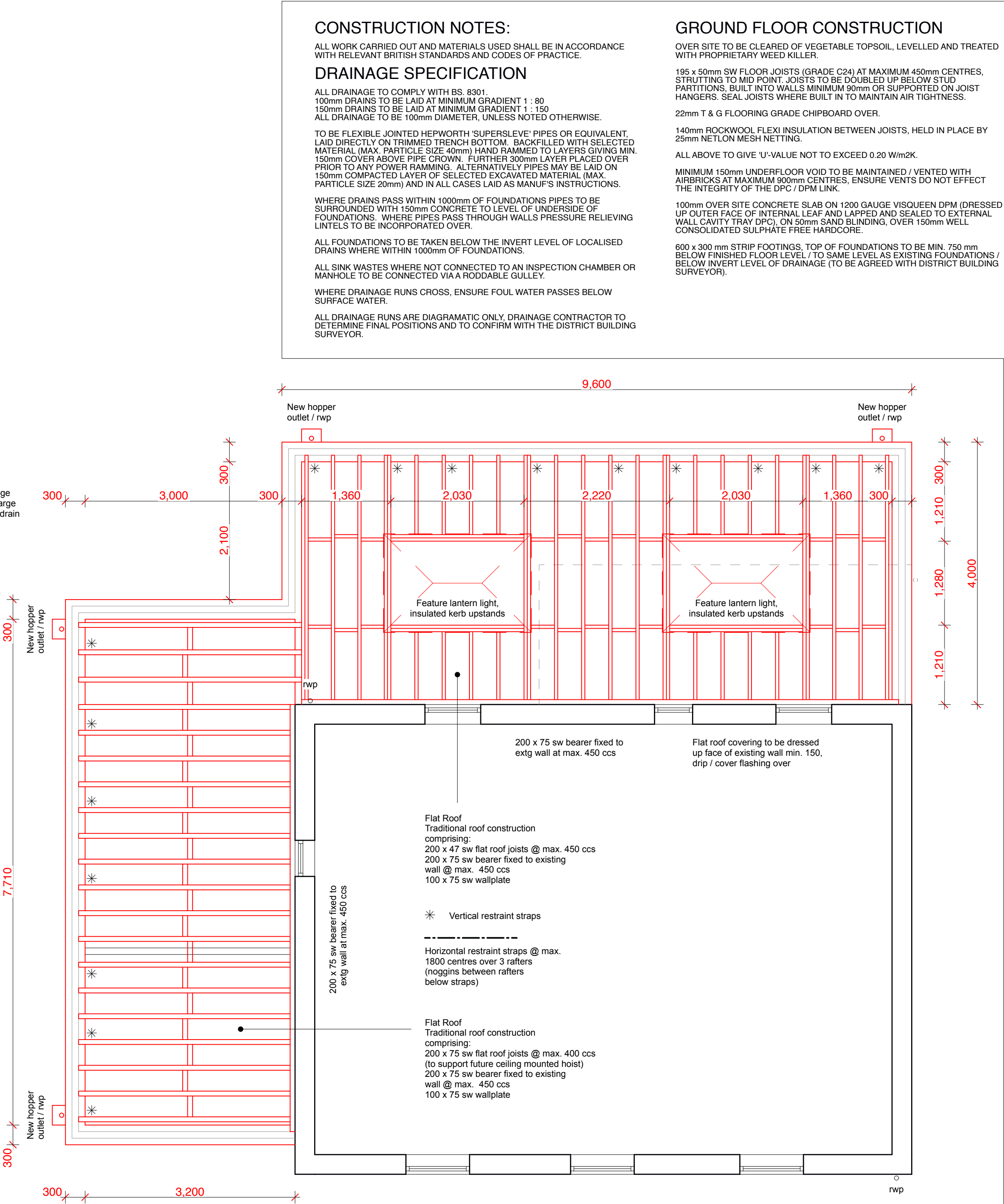




PROPOSED GROUND FLOOR PLAN



PROPOSED FIRST FLOOR / ROOF PLAN

CONSTRUCTION NOTES:

ALL WORK CARRIED OUT AND MATERIALS USED SHALL BE IN ACCORDANCE WITH RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE.

DRAINAGE SPECIFICATION

ALL DRAINAGE TO COMPLY WITH BS 8301.
100mm DRAINS TO BE LAID AT MINIMUM GRADIENT 1 : 80
150mm DRAINS TO BE LAID AT MINIMUM GRADIENT 1 : 150
ALL DRAINAGE TO BE 100mm DIAMETER, UNLESS NOTED OTHERWISE.

TO BE FLEXIBLE JOINTED HEPPWORTH 'SUPERSLEVE' PIPES OR EQUIVALENT, LAID DIRECTLY ON TRIMMED TRENCH BOTTOM. BACKFILLED WITH SELECTED MATERIAL (MAX. PARTICLE SIZE 40mm) HAND RAMMED TO LAYERS GIVING MIN. 150mm COVER ABOVE PIPE CROWN. FURTHER 300mm LAYER PLACED OVER PRIOR TO ANY POWER RAMMING. ALTERNATIVELY PIPES MAY BE LAID ON 150mm COMPACTED LAYER OF SELECTED EXCAVATED MATERIAL (MAX. PARTICLE SIZE 20mm) AND IN ALL CASES LAID AS MANUF'S INSTRUCTIONS.

WHERE DRAINS PASS WITHIN 1000mm OF FOUNDATIONS PIPES TO BE SURROUNDED WITH 150mm CONCRETE TO LEVEL OF UNDERSIDE OF FOUNDATIONS. WHERE PIPES PASS THROUGH WALLS PRESSURE RELIEVING LINTELS TO BE INCORPORATED OVER.

ALL FOUNDATIONS TO BE TAKEN BELOW THE INVERT LEVEL OF LOCALISED DRAINS WHERE WITHIN 1000mm OF FOUNDATIONS.

ALL SINK WASTES WHERE NOT CONNECTED TO AN INSPECTION CHAMBER OR MANHOLE TO BE CONNECTED VIA A RODDABLE GULLEY.

WHERE DRAINAGE RUNS CROSS, ENSURE FOUL WATER PASSES BELOW SURFACE WATER.

ALL DRAINAGE RUNS ARE DIAGRAMATIC ONLY. DRAINAGE CONTRACTOR TO DETERMINE FINAL POSITIONS AND TO CONFIRM WITH THE DISTRICT BUILDING SURVEYOR.

GROUND FLOOR CONSTRUCTION

OVER SITE TO BE CLEARED OF VEGETABLE TOPSOIL, LEVELLED AND TREATED WITH PROPRIETARY WEED KILLER.

195 x 50mm SW FLOOR JOISTS (GRADE C24) AT MAXIMUM 450mm CENTRES, STRUTTING TO MID POINT. JOISTS TO BE DOUBLED UP BELOW STUD PARTITIONS, BUILT INTO WALLS MINIMUM 90mm OR SUPPORTED ON JOIST HANGERS. SEAL JOISTS WHERE BUILT IN TO MAINTAIN AIR TIGHTNESS.

22mm T & G FLOORING GRADE CHIPBOARD OVER.

140mm ROCKWOOL FLEXI INSULATION BETWEEN JOISTS, HELD IN PLACE BY 25mm NETLON MESH NETTING.

ALL ABOVE TO GIVE 'U'-VALUE NOT TO EXCEED 0.20 W/m2K.

MINIMUM 150mm UNDERFLOOR VOID TO BE MAINTAINED / VENTED WITH AIRBRICKS AT MAXIMUM 800mm CENTRES, ENSURE VENTS DO NOT EFFECT THE INTEGRITY OF THE DPC / DPM LINK.

100mm OVER SITE CONCRETE SLAB ON 1200 GAUGE VISQUEEN DPM (DRESSED UP OUTER FACE OF INTERNAL LEAF AND LAPPED AND SEALED TO EXTERNAL WALL CAVITY TRAY DPC), ON 50mm SAND BLINDING, OVER 150mm WELL CONSOLIDATED SULPHATE FREE hardcore.

600 x 300 mm STRIP FOOTINGS, TOP OF FOUNDATIONS TO BE MIN. 750 mm BELOW FINISHED FLOOR LEVEL / TO SAME LEVEL AS EXISTING FOUNDATIONS / BELOW INVERT LEVEL OF DRAINAGE (TO BE AGREED WITH DISTRICT BUILDING SURVEYOR).

WALL CONSTRUCTION

300mm CAVITY WALL CONSTRUCTION.

100mm PITCHED FACED NATURAL STONE EXTERNAL LEAF TO MATCH EXISTING.
100mm STRUCTURAL CAVITY FULL FILLED WITH 100mm ROCKWOOL WALL BATT INSULATION OR EQUIVALENT.

100mm LIGHTWEIGHT BLOCKWORK INTERNAL LEAF eg. TOPBLOCK TOPLITE STANDARD (630 kg/m3) OR EQUIVALENT, COMPRESSIVE STRENGTH 3.5 N/mm2. WINDOW REVEALS TO BE CONSTRUCTED USING ROCKWOOL ROCKCLOSE INSULATED CAVITY CLOSERS / DPC'S.

DRY LINED INTERNALLY WITH 12.5mm GYPROC WALLBOARD (8 kg/m2) ON DABS TO MANUFACTURERS RECOMMENDATIONS / SPECIFICATION.

ALL ABOVE TO GIVE 'U'-VALUE NOT TO EXCEED 0.28 W/m2C.

STAINLESS STEEL WALL TIES TO BS 1243 : 1978 AT A RATE OF 8 No. PER SQUARE METRE (750mm HORIZONTAL AND 450mm VERTICAL), AND AT EVERY BLOCK/COURSE AROUND WINDOW / DOOR REVEALS.

TRAY DPC SET MINIMUM 150mm ABOVE GROUND LEVEL, LAPPED AND SEALED TO UNDER FLOOR RADON BARRIER / DPM.

ALL LINTELS TO HAVE MIN. 150mm END BEARING.

NEW WINDOWS TO PROVIDE MIN. 1/20th FLOOR AREA VENTILATION.

PROPRIETARY WEEPHOLES TO BE INCORPORATED AT MAXIMUM 900mm CENTRES, MINIMUM 2 No. PER OPENING (ABOVE LINTELS).

DAMP PROOF COURSE

TO BE IN ACCORDANCE WITH BRE DIGEST 77 GROUP A, GENERALLY TO BE SET MINIMUM 150mm ABOVE FINISHED GROUND LEVEL.

DPC TO INTERNAL LEAF TO BE LAPPED AND SEALED TO UNDERFLOOR DPM.

DPC TO BE INCORPORATED AT HEADS, CILLS AND REVEALS OF ALL OPENINGS IN EXTERNAL MASONRY WALLS.

GLAZING

NEW WINDOWS TO PROVIDE U VALUE NOT TO EXCEED 1.4 W/M2.C. MANUFACTURER / INSTALLER TO PROVIDE CERTIFICATION OF U - VALUE AND MEMBERSHIP OF REGISTRATION UNDER THE FENSA SCHEME.

ALL GLAZING IN EXTERNAL WINDOWS AND DOORS TO BE DOUBLE GLAZED AND IN ACCORDANCE WITH PART N OF THE BUILDING REGULATIONS, IE. SAFETY GLAZING TO WINDOWS BELOW 800mm DOORS, AND TO DOOR SIDE PANELS BELOW 1500MM WITHIN 300MM OF DOOR, ALL IN ACCORDANCE WITH BS 6206 AND PERMANENTLY MARKED TO INDICATE SUCH.

STUD PARTITIONS (40 RwdB)

75 x 38mm SW STUDS AT MAX. 600 CENTRES, NOGGINS AT MAX. 1200mm VERTICAL CENTRES AND AT ALL BOARD EDGES.

12.5mm GYPROC WALLBOARD TEN PLASTERBOARD AND SKIM TO BOTH FACES, SKEW CLOTH AT ALL JOINTS.

25mm ISOWOOL APR1200 INSULATION BETWEEN STUDS.

TO PROVIDE MINIMUM 1/2 HR FIRE RESISTANCE ON PROTECTED ROUTES.

ALL ABOVE TO PROVIDE MINIMUM AIRBOURNE SOUND INSULATION OF 40 RwdB (AS TEST FIGURES) IN ACCORDANCE WITH APPROVED DOCUMENT E : TABLE 2.

FLAT ROOF CONSTRUCTION

WARM ROOF CONSTRUCTION TO COMPRISE:

BITUMEN EMBEDDED STONE CHIPPINGS TO A MIN. DEPTH OF 12.5mm, OVER

HIGH PERFORMANCE ELASTOMERIC FELT ROOF COVERING, ANDERSONS HT350 OR EQUIVALENT, OVER

126mm KINGSPAN THERMAFOOF TR31 COMPOSITE INSULATION / DECK OR EQUIVALENT, COMPRISING 120mm INSULATION, 6mm PLY UPPER AND FOIL FACING AS VAPOUR BARRIER TO UNDERSIDE, ON

12mm WBP PLYWOOD DECK, OVER

200 x 50 / 75mm SW JOISTS AT MAXIMUM 400 / 450mm CENTRES (GRADE C24), REFER TO ROOF PLAN FOR LOCATIONS.

13mm PLASTERBOARD AND SKIM FINISH INTERNALLY, NOGGINS AT ALL BOARD EDGES AND JOINTS.

ALL ABOVE TO GIVE 'U'-VALUE NOT TO EXCEED 0.18 W/m2 C.

ABOVE GROUND DRAINAGE

EXTG 100mm DIA SVP'S TO LOUNGE TO BE RETAINED.

NEW GROUND FLOOR ACCESSIBLE BATHROOM TO DISCHARGE TO NEW 100mm DIA STUB STACK WITH AIR ADMITTANCE VALVE.

WASHING MACHINE POINT WITHIN EXTENDED UTILITY AREA TO DISCHARGE INTO EXISTING GROUND FLOOR WC STUB STACK.

WASTES : 100 DIA TO WC / 38 DIA TO SINK, BATH, SHOWER AND WASHING MACHINE POINT / 32 DIA TO WHB.

75mm DEEP SEAL BOTTLE TRAPS TO SINK, BATH, SHOWER & WHB.

ENSURE SVP'S TERMINATE MINIMUM 900mm ABOVE ANY OPENING LIGHTS WITHIN 3000mm.

MECHANICAL INSTALLATION

ANY NEW BOILER TO HAVE MIN. 80% SEDBUK RATINGS, FLUE LOCATION TO BE FULLY IN ACCORDANCE WITH APPROVED DOCUMENT F OF THE BUILDING REG'S.

ALL NEW RADIATORS TO BE FITTED WITH TRVS.

EXISTING CHIMNEY / FLUE / GAS FIRE NOT EFFECTED BY THE WORKS.

VENTILATION / MECHANICAL EXTRACT

MIN. 8000 SQ MM BACKGROUND VENTILATION TO HABITABLE ROOMS, MIN. 4000 SQ MM TO NON-HABITABLE.

OPENABLE WINDOWS TO HABITABLE ROOMS TO PROVIDE MINIMUM 1/20TH FLOOR AREA VENTILATION.

MECHANICAL VENTILATION TO BE PROVIDED TO KITCHEN, MIN. EXTRACT RATE OF 50 LITRES / SECOND IF ADJACENT TO HOB, OTHERWISE 60 LITRES / SECOND.

MECHANICAL VENTILATION TO BE PROVIDED TO UTILITY ROOM / ACCESSIBLE BATHROOM, MIN. EXTRACT RATE OF 15 LITRES / SECOND WITH 15 MINUTE OVER-RUN.

ELECTRICAL INSTALLATION

WHERE UNDER APPROVED DOCUMENT P CONTROLLED ELECTRICAL WORKS ARE TO BE CARRIED OUT, IT SHALL BE DONE BY AN ELECTRICIAN / INSTALLER WHO IS REGISTERED WITH A COMPETENT PERSON'S SCHEME, OR AN ELECTRICIAN REGISTERED WITH A RECOGNIZED TRADE BODY SUCH AS NICEIC, AND CAN ISSUE A DESIGN, INSTALLATION AND TEST CERTIFICATE UNDER BS 7671.

LOW ENERGY LIGHT FITTINGS TO BE PROVIDED AS FOLLOWS, 1 No. PER 25 m2 OR 20% OF TOTAL No. OF FITTINGS (LAMP LUMINOUS EFFICACY GREATER THAN 45 LUMENS PER CIRCUIT WATT).

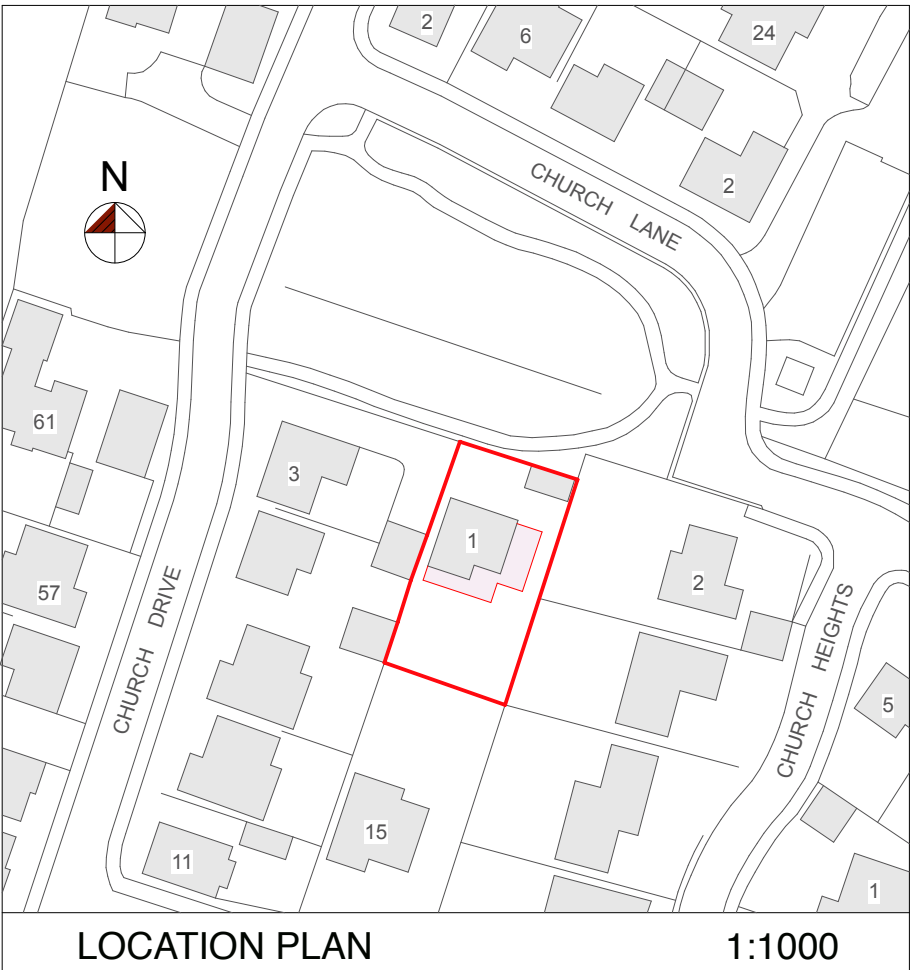
FIRE RELATED MATTERS

MAINS OPERATED AUTOMATIC SMOKE DETECTORS / ALARMS TO BE INSTALLED AT EACH STOREY LEVEL WITHIN STAIRCASE ENCLOSURE IN ACCORDANCE WITH BS 5839 - 6 : 2004.

HEAT DETECTOR TO BE PROVIDED WITHIN KITCHEN AREA.

ESCAPE WINDOWS TO ALL BEDROOMS TO PROVIDE MINIMUM CLEAR OPENING LIGHT OF 0.33 m2, MINIMUM 450mm WIDE X 750mm HIGH, CILL HEIGHT TO BE MINIMUM 800mm MAXIMUM 1100mm ABOVE FFL.

ALL ELEMENTS OF STRUCTURE TO BE ENCASED WITH FIRELINE BOARD TO PROVIDE MINIMUM 1/2 HR FIRE RESISTANCE.



PROPOSED EXTENSION TO 1 CHURCH DRIVE, HOYLANDSWAINE, SHEFFIELD, S36 7LZ

Scale: 1:50@A1 Date: Feb 2022

Dwg No: 001 Rev: