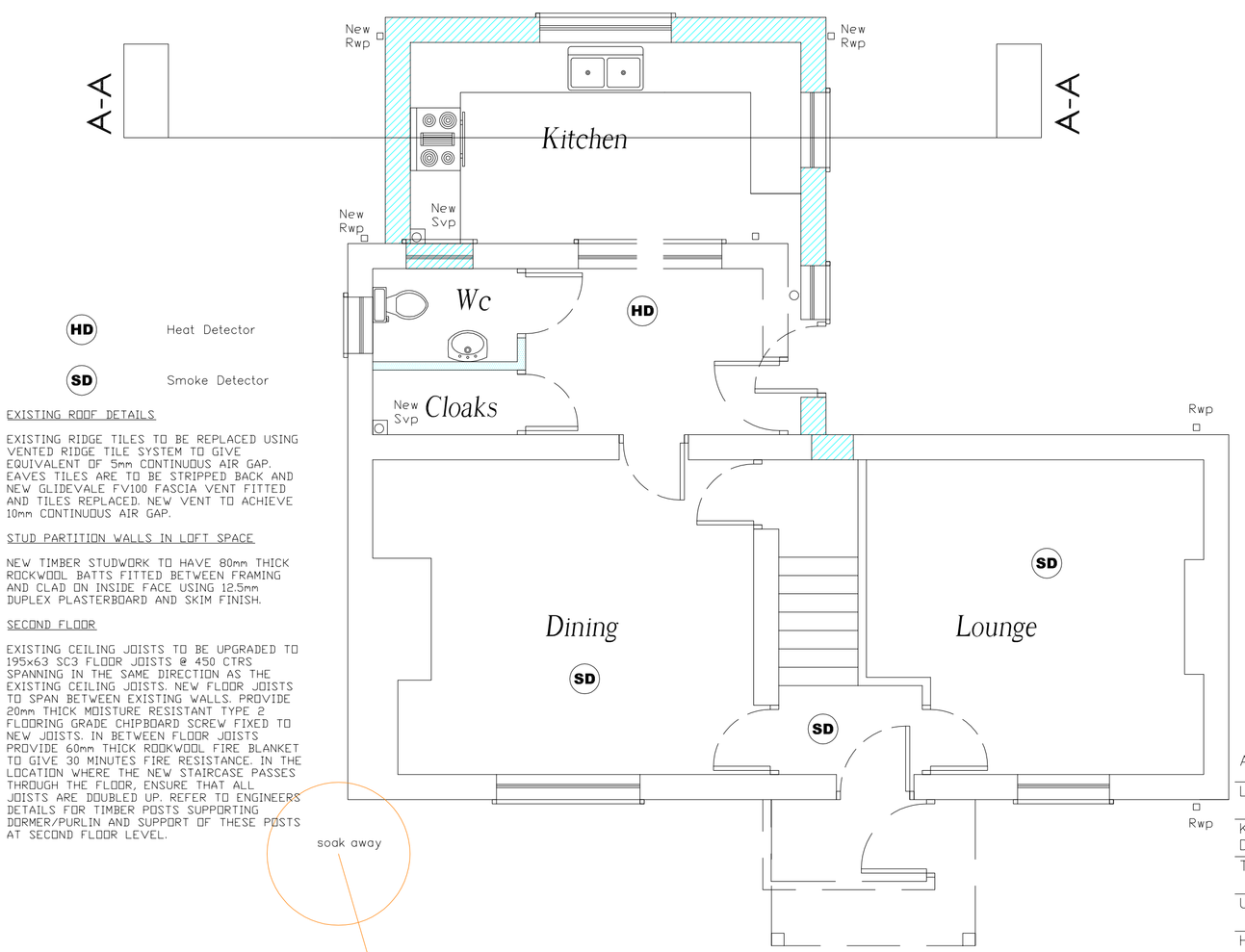


HD Heat Detector

SD Smoke Detector

EXISTING ROOF DETAILS

EXISTING RIDGE TILES TO BE REPLACED USING VENTED RIDGE TILE SYSTEM TO GIVE EQUIVALENT OF 5mm CONTINUOUS AIR GAP. EAVES TILES ARE TO BE STRIPPED BACK AND NEW GLIDEVALE FV100 FASCIA VENT FITTED AND TILES REPLACED. NEW VENT TO ACHIEVE 10mm CONTINUOUS AIR GAP.

STUD PARTITION WALLS IN LOFT SPACE

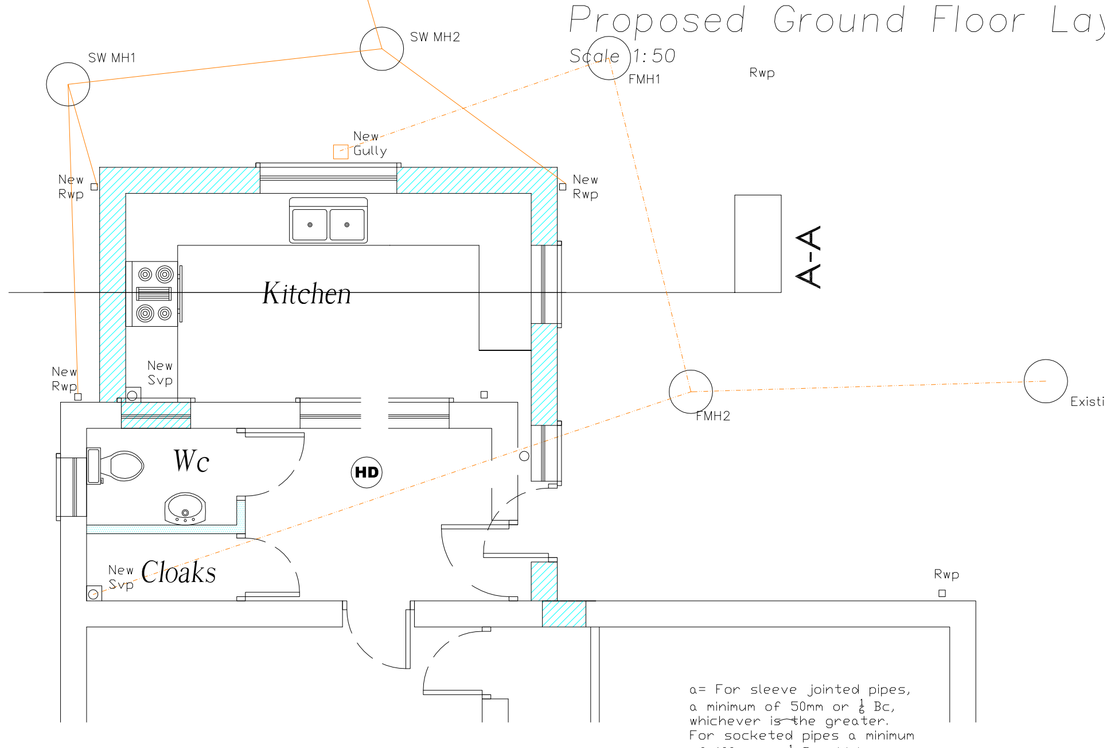
NEW TIMBER STUDWORK TO HAVE 80mm THICK ROCKWOOL BATTS FITTED BETWEEN FRAMING AND CLAD ON INSIDE FACE USING 12.5mm DUPLEX PLASTERBOARD AND SKIM FINISH.

SECOND FLOOR

EXISTING CEILING JOISTS TO BE UPGRADED TO 195x63 SC3 FLOOR JOISTS @ 450 CTRS SPANNING IN THE SAME DIRECTION AS THE EXISTING CEILING JOISTS. NEW FLOOR JOISTS TO SPAN BETWEEN EXISTING WALLS. PROVIDE 20mm THICK MOISTURE RESISTANT TYPE 2 FLOORING GRADE CHIPBOARD SCREW FIXED TO NEW JOISTS. IN BETWEEN FLOOR JOISTS PROVIDE 60mm THICK ROCKWOOL FIRE BLANKET TO GIVE 30 MINUTES FIRE RESISTANCE. IN THE LOCATION WHERE THE NEW STAIRCASE PASSES THROUGH THE FLOOR, ENSURE THAT ALL JOISTS ARE DOUBLED UP. REFER TO ENGINEERS DETAILS FOR TIMBER POSTS SUPPORTING DORMER/PURLIN AND SUPPORT OF THESE POSTS AT SECOND FLOOR LEVEL.

Proposed Ground Floor Layout

Scale 1:50



KEY

1 Selected fill: free stones larger than 40mm, lumps of clay over 100mm, timber, frozen material, vegetable matter.

2 Granular material: should conform to BS 882: 1993 Table 4 or BS 8301: 1985 Appendix D. Compaction fraction >0.3 for Class N >0.2 for Class F and B.

3 Selected fill or granular fill free from larger than 40mm.

1 Provision may be required to prevent ground water flow in trenches with Class N, F or B type bedding

2 Where there are sockets these should be not less than 50mm above the floor of trench.

BEDDING FOR RIGID PIPES

INTERNAL WALLS

TIMBER PARTITION WALLS:

WALLS TO BE SOFTWOOD STUD PARTITION CONSTRUCTION COMPRISING 75x50 SW HEAD AND SOLE PLATES STUDS AND NOGGINGS AT 600 VERTICAL/HORIZONTAL CENTRES CLAD BOTH SIDES WITH 12.5mm GYPROC WALLBOARD WITH 2mm SKIM COAT FINISH. BOARDS TO KITCHEN AND BATHROOM ONLY TO BE 12.5 GYPROC MOISTURE RESISTANT BOARD MECHANICALLY JOINTED. PARTITION TO BE INSULATED WITH 50mm GYPLAS 1200 SOUND INSULATION ROLL.

ALL WALLBOARDS TO BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF BRITISH GYPSUM IN ACCORDANCE WITH THEIR CURRENT LITERATURE.

WINDOWS:-

WINDOW TO BE MANUFACTURED TO SUIT THE STRUCTURAL OPENINGS, WINDOWS TO BE AS EXISTING CONSTRUCTION WITH PILKINGTON 'K' THERMAL DOUBLE GLAZING. OPENING WINDOW CASEMENTS ARE TO BE MIN 1/20th OF FLOOR AREA OF EACH ROOM WITH ALL FIRST FLOOR FIRE ESCAPE HABITABLE ESCAPE WINDOWS HAVING A MINIMUM OF 0.33m2 UNOBSTRUCTED OPENING AND TO BE A MINIMUM OF 450mm WIDE. SLOTTED VENTILATORS PROVIDING 8000mm2 VENTILATION AND RESTRICTORS (MAX 100mm). PERIMETER OF WINDOWS TO BE SEALED WITH APPROVED COLOUR MASTIC SEALANT. U VALUE OF 0.2, ACHIEVED BY EITHER PROVIDING DOUBLE GLAZING WITH 16mm AIR GAP AND A SOFT LOW E COATING OR, DOUBLE GLAZING WITH A 12mm AIR GAP, ARGON FILLED AND A SOFT LOW E COATING.

AREA	RAPID VENTILATION	BACKGROUND
Living Room	opening window min 1/20 of floor area	12000 sq mm –
Kitchen/ Dining Room	opening window and mechanical ventilation = 30 litres/second	12000 sq mm –
Toilet	mechanical ventilation = 6 litres /second	5000 sq mm –
Utility	opening window and mechanical ventilation = 15 litres/second	5000 sq mm –
Hall	– –	5000 sq mm –
Study	opening window min 1/20 of floor area	8000 sq mm –
Bathrooms/ En-suite	opening window and mechanical ventilation = 15 litres/second	5000 sq mm –
Bedrooms 1-2	opening window min 1/20 of floor area	8000 sq mm –
Bedrooms 3-4	opening window min 1/20 of floor area	8000 sq mm –

Extract fans in areas with no natural light are to be switched via lighting circuit. All fans are to have 15 mins overrun.

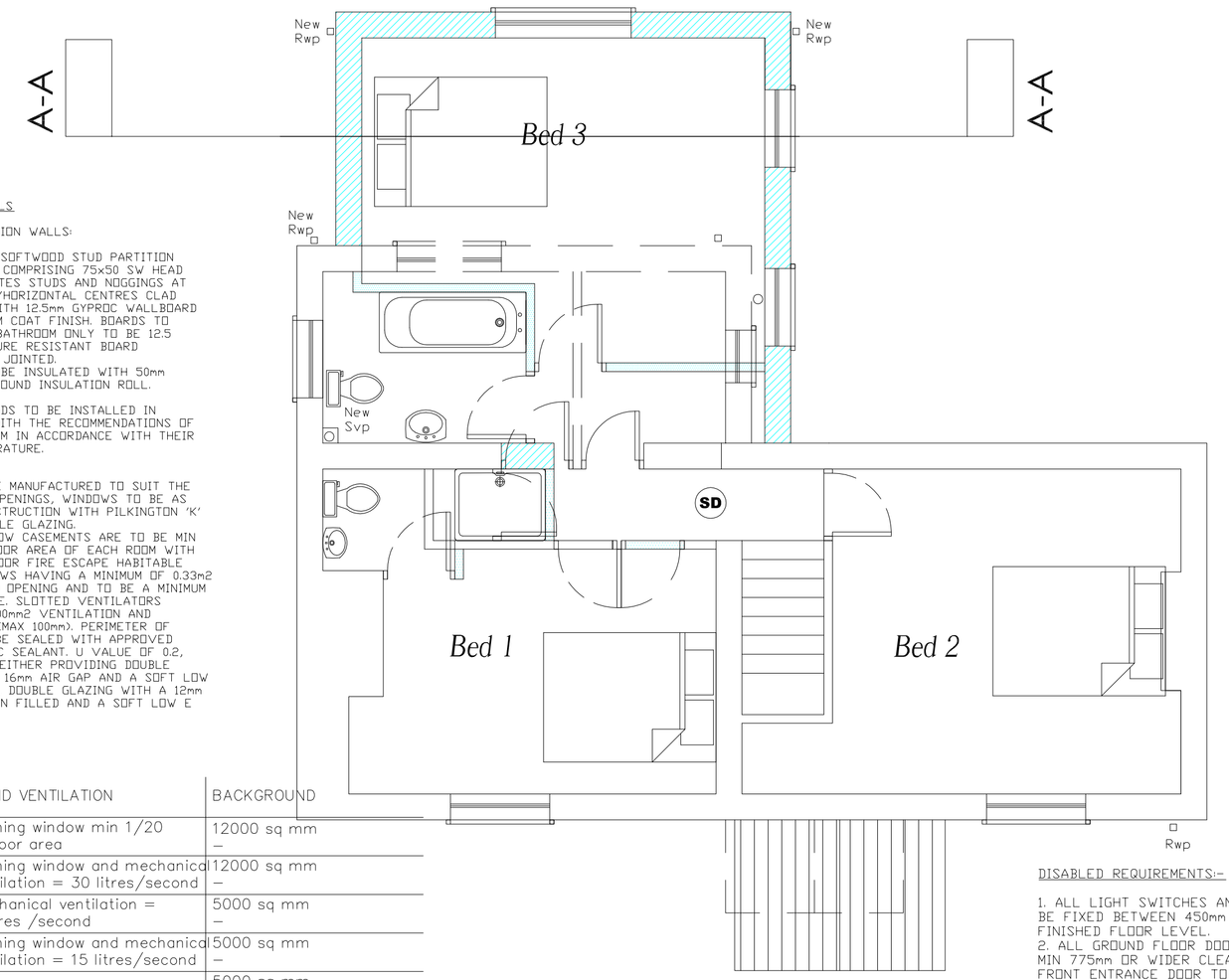
Bathrooms and toilets with no natural light are to have 10mm gap under door to provide ventilation air.

Extract fans are be manually switched with fused spur.

Kitchen extract rate is to be 30 litres/second adjacent to cooker or 60 litres/second elsewhere

90000 sq mm min background ventilation area for full dwelling.

Whole building ventilation rate for air supply to habitable rooms = 25 litres/second



Proposed First Floor Layout

Scale 1:50

DISABLED REQUIREMENTS:-

1. ALL LIGHT SWITCHES AND POWER SOCKETS ARE TO BE FIXED BETWEEN 450mm AND 1200mm FROM FINISHED FLOOR LEVEL.
2. ALL GROUND FLOOR DOOR OPENINGS ARE TO BE MIN 775mm OR WIDER CLEAR OPENING WIDTH AND FRONT ENTRANCE DOOR TO HAVE CLEAR OPENING WIDTH OF 800mm.

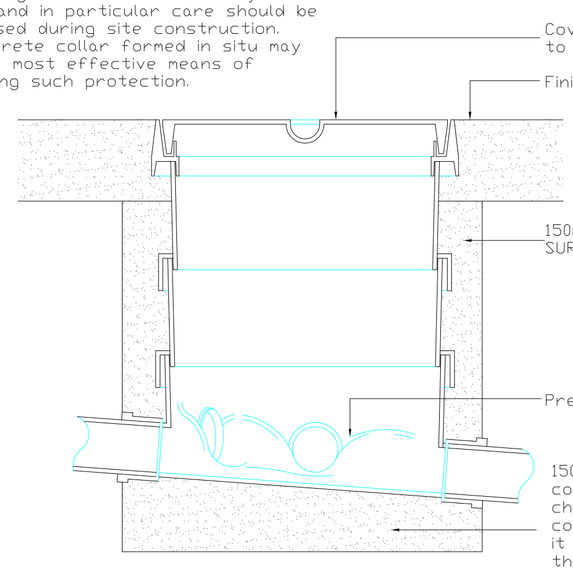
HEATING:-

ALL NEW PLUMBING WORK IS TO COMPLY WITH THE LATEST 'CORGI' REGULATIONS HEATING ENGINEER OT INCLUDE FOR ALL NECESSARY STOP TAPS, JUNCTION AND CONNECTIONS TO EXISTING WATER SUPPLIES. ALL PLUMBING WORK IS TO BE CARRIED OUT USING BEST QUALITY COPPER TUBE OF THE APPROPRIATE SIZE, ALL PIPE WORK IS TO BE CONCEALED WHERE PRACTICALLY POSSIBLE AND ALL PIPE RUNS ARE TO BE AGREED WITH THE CLIENT. ALL RADIATORS ARE TO BE OF APPROPRIATE SIZE TO SUIT ROOM DIMENSIONS AND FITTED WITH THERMOSTATIC VALVES.

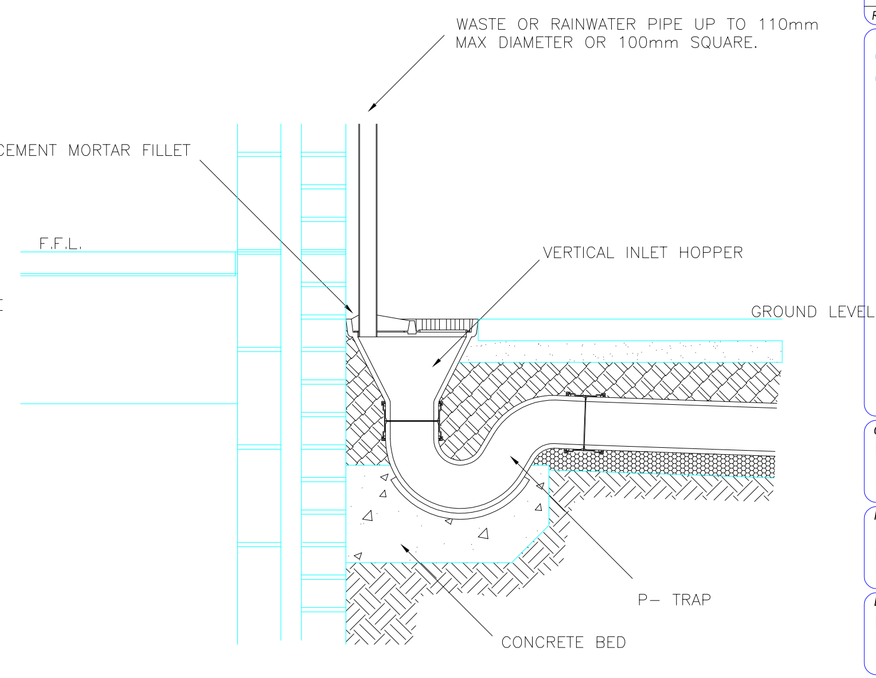
SANITARY GOOD AND WASTE FITTINGS

ALL SANITARY WARE TO BE FROM TWYFORDS OR SIMILAR APPROVED RANGE:
WASTE PIPES:
LAVATORY BASIN 40 DIAMETER
W.C 100 DIAMETER, SINK 40 DIAMETER
BATH 40 DIAMETER
ALL WASTES TO BE UPVC. ALL TRAPS TO BE 75 UPVC ANTI-SYPHON STEP WITH DEEP SEAL. ALL NEW INTERNAL FOUL DRAINAGE TO CONNECT INTO NEW 100mmØ SVP AND DISCHARGED INTO EXISTING SYSTEM TO THE APPROVAL OF THE LOCAL AUTHORITY BUILDING INSPECTOR.

Polypropylene inspection chamber by Hepworth 480Ø (Specify depth of chamber to be supplied 585 or 930mm. Can be cut to intermediate sizes.) CI cover and plastics frame, suitable for use in situations where wheel loads do not exceed 1.5 tonnes. The chamber is not designed to withstand heavy traffic loads and in particular care should be exercised during site construction. A concrete collar formed in situ may be the most effective means of providing such protection.



TYPICAL POLYPROPYLENE MANHOLE DETAIL FOR PLOT DRAINAGE



VERTICAL INLET HOPPER

FOUNDATIONS (IF REQUIRED)

600x300mm STRIP FOOTING WITH B503 FABRIC TOP AND BOTTOM. FOUNDATIONS TO BE FOUNDED 1000mm BELOW EXISTING GROUND LEVEL ON SUITABLE BEARING STRATA TO THE SATISFACTION OF THE LOCAL AUTHORITY BUILDING INSPECTOR.

GROUND FLOOR

PROVIDE A 65mm THICK SAND AND CEMENT SCREED LAID TO BS8204: PART 1 ONTO 150mm CONCRETE FLOOR SLAB WITH 1 LAYER OF A252 FABRIC. PROVIDE ROCKWOOL ROCKFLOOR INSULATION IN LAYERS OF 60mm + 50mm TO ENSURE THAT THE SLAB MEETS THE REQUIRED U VALUE OF 0.25 THE MANUFACTURER MAY ASSIST IN THE CONFIGURATION OF THE INSULATION TO MEET PART L1 OF THE CURRENT BUILDING REGULATIONS. PROVIDE 1200mm VISQUEEN DPM. MIN 150mm WELL COMPACTED TYPE 1 HARDCORE. IN THE LOCATION WHERE FLOOR SLAB BUTTS UP TO INTERNAL SKIN OF WALL PROVIDE 30mm ROCKFLOOR VERTICAL EDGE INSULATION. IF SLAB IS TO BE TIED INTO EXISTING SLAB USE T10 BARS @ 200 CTRS. U VALUE OF FLOOR IS TO BE MAX 0.25W/m2K.

ELECTRICAL:-

ALL NEW ELECTRICAL WORK IS TO COMPLY WITH THE LATEST 16E REGULATIONS AND CARRIED OUT BY NICEIC REGISTERED CONTRACTOR. ALL ELECTRICAL CONNECTIONS ARE TO BE FULL CONTRACT SO AS TO MINIMISE LINE RESISTANCE. ALL WIRING IS TO BE FROM SUITABLE CONSUMER UNIT. ELECTRICAL SUPPLIES TO BE BY WAY OF VERTICAL DROPS FROM CEILING LEVEL AND ALL CABLES ARE TO BE ENCASED IN G/S CONDUIT WHERE SURFACE MOUNTED.

STRUCTURAL STEELWORK

STRUCTURAL STEEL BEAMS TO BE INSTALLED TO SUPPORT FLOORS, WALLS, ROOF, ETC IN LOCATIONS AS SHOWN ON THE DRAWINGS. ENDS OF BEAMS BUILT INTO MASONRY WALLING TO BE RESTRAINED AND SIT ON CONCRETE PADSTONES. SIZE 450x215x100WIDE. CALCULATIONS AND DETAILS TO BE APPROVED BY L.A. STEELWORK TO BE DEGREASED, SHOT BLASTED AND PRIMED IN ACCORDANCE WITH NULLFIRES SPECIFICATION AND S605 BASECOAT TO A D.F.T OF 0.5mm TO ACHIEVE 30mins FIRE PROTECTION (2 No COATS REQUIRED BRUSH APPLICATION) APPLIED. OVERCOAT WITH NULLFIRE S619 TO S D.F.T OF 0.5mm (BRUSH APPLIED) SYSTEM TO COMPLY WITH BS8202 PART2:1992.

VENTILATION:-

PROVIDE MECHANICAL EXTRACT VENTILATION IN KITCHEN CAPABLE OF EXTRACTING AT A MINIMUM RATE OF 60 LITRES PER SECOND AND TRICKLE VENTILATION INSTALLED AT HEAD OF WINDOWS CAPABLE OF MIN 4000mm2 CLEAR AIR OPENING. ALSO PROVIDE MECHANICAL VENTILATION TO ENSUITES AND BATHROOMS CAPABLE OF EXTRACTING AT A MINIMUM RATE OF 15 LITRES PER SECOND. PROVIDE MECHANICAL EXTRACT VENTILATION TO UTILITY ROOM TO EXTRACT AT A MINIMUM RATE OF 30 LITRES PER SECOND AND TO WC TO EXTRACT AT A MINIMUM RATE OF 6 LITRES PER SECOND. WHERE NO OPENING LIGHT IS AVAILABLE, OPERATED INTERMITTENTLY WITH LIGHT SWITCH WITH A 15 MINUTE OVER RUN FACILITY. PROVIDE 100mm DIAMETER UPVC PIPE TERMINATING WITH GRILLE BUILT INTO EXTERNAL WALL PATIO DOORS TO HAVE 10,000mm2 VENTILATION WITH HIT AND MISS ABOVE EACH DOOR.

Notes:

1. Do not scale off this drawing. All dimensions are in mm & are to be checked on site prior to manufacture & construction. This drawing is the property of P.A. Taylor Plans & should not be reproduced without permission. All discrepancies to be brought to the attention of the P.A. Taylor immediately. This drawing shall be read in conjunction with all relevant specialist drawings & specifications.
2. The Contractor is to check and verify all building and site dimensions, levels and service locations including sewer invert levels at connection points before work commences. Materials and workmanship are to comply with current British Standards, British Standards Code of Practice, Building Regulations & Building Standards.

Rev:	Date:	Status/Amendments:	By:

P.A. TAYLOR PLANS

Extensions, Loft Conversions, Local New Builds & Building Surveys.

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Mr Jonathan Beaumont

Project:
Clewlow bank House
Hill Top Brown Edge
Stoke on Trent

Drawing Title:
Proposed sections and details and drainage details

Scale:	Paper Size:	Date Created:
1:50,1250, 500	A1	Sept 17
Drawing Number: 6699.02		Drawing Revision: