(M) 1:100
(AS PRINTED)
0 1 2 3 4 5 6 7 8 (M)

FIRE PRECAUTIONS:
ALL DOORS MARKED ✳ ✳ TO ACHIEVE FD20 STANDARD, DOOR STOPS TO BE A MINIMUM OF 12 x 33 GLUED AND SCREW FIXED.
DOOR GLAZING AND FANLIGHTS WITHIN THE STAIR ENCLOSURE TO BE FITTED WITH 6mm PILKINGTON PYROSHIELD GLASS. ANY INTERNAL WALL GLAZING WITHIN THE STAIR ENCLOSURE TO BE CHANGED TO 15mm PILKINGTON PYROSTOP GLASS.
ALL HABITABLE ROOMS, HALL AND LANDINGS TO BE FITTED WITH RADIO LINKED SMOKE ALARMS SHOWN THUS ⊕ WITH MAINS POWERED HEAT DETECTOR TO KITCHEN AREA SHOWN THUS ⊕ TO BS5446 -1:2000.
RF & EMC TO COMPLY WITH THE REQUIREMENTS OF THE RTTE DIRECTIVE COMPATIBILTY 1999/5/EC (RF PERFORMANCE TO EN300220-3, EMC TO EMC 301489-3)

LOFT SPACE

POSITION OF PROPOSED STAIRCASE

6
5
4
3
2
1

EXISTING WALL TO BE REMOVED TO ACCOMMODATE PROPOSED STAIR

NEW STUD PARTITION FORMED USING 47x100 VERTICAL STUDS AT 400c/c WITH 12.5 PLASTERBOARD BOTH SIDES TO ACHIEVE 1/2 HOUR FIRE RESISTANCE

BATHROOM

BEDROOM

**

PROPOSED UPPER FIRST FLOOR (1:50)

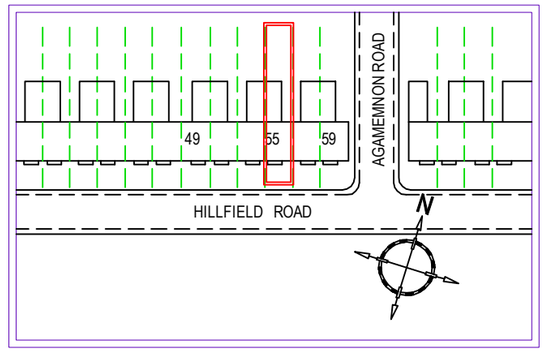
LOFT SPACE

BATHROOM

BEDROOM

**

UPPER FIRST FLOOR (1:100)



LOCATION PLAN 1:1250

LIVING

BEDROOM

**
**

KITCHEN

TERRACE

FIRST FLOOR (1:100)

**
**

ENTRANCE TO GROUND FLOOR FLAT

ENTRANCE TO FIRST FLOOR FLAT

GROUND FLOOR (1:50)

(AS PRINTED)
(M) 1:50
0 1 2 3 4 5 (M)

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Rev:

JOB No: 1350

DRAWING No: 1749

SCALE: @ A3
1:50 & 1:100

PROJECT: LOFT CONVERSION

DATE: APRIL: 2012

SHEET No: 1 OF 5

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(M) 1:100
(AS PRINTED)

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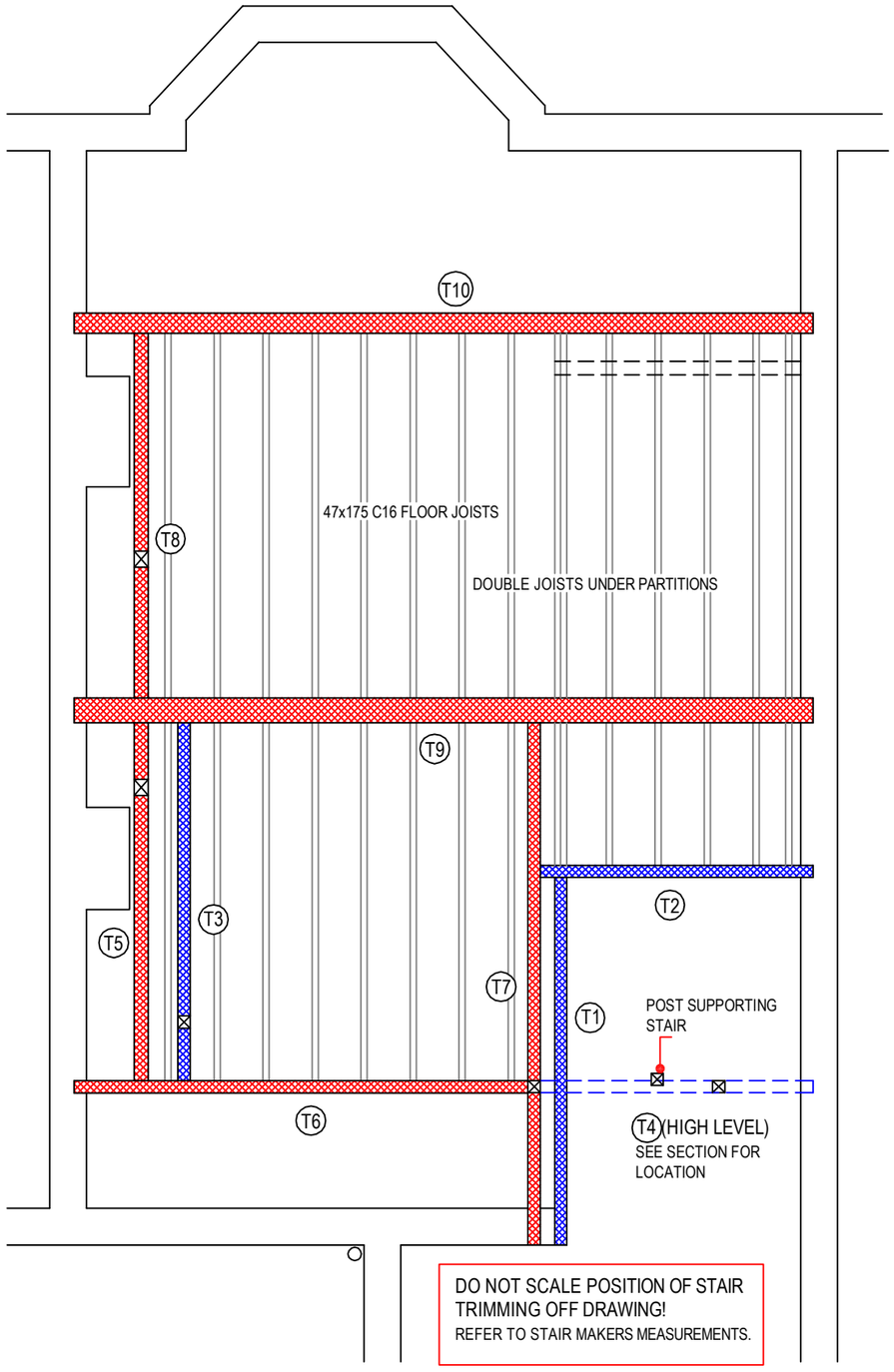
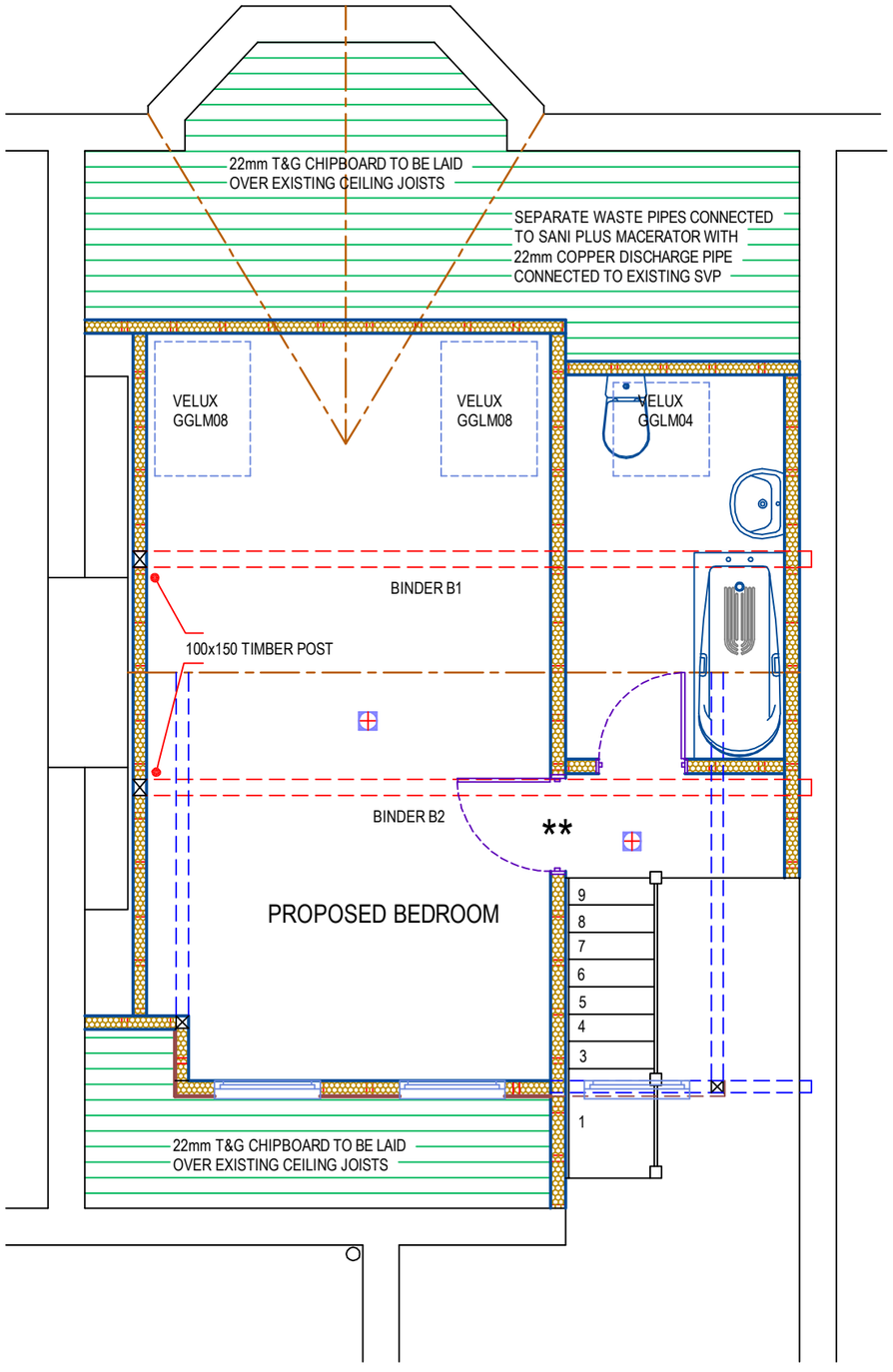


FLOOR STRUCTURE PLAN (1:50)



PROPOSED ROOM PLAN (1:50)

FLOOR:
22mm T&G CHIPBOARD V313 TYPE OR 22mm T&G TIMBER FLOORING (15kg/m2) ON GRADE C16 FLOOR JOISTS AT 400c/c FIXED TO TRIMMERS & BEAMS USING SIMPSON STRONG-TIE JHA450 HANGERS. 100mm ROCKWOOL (10kg/m3) LAID BETWEEN EXISTING CEILING JOISTS SUPPORTED ON CHICKEN WIRE IF EXISTING CEILING CONSTRUCTION IS LATH & PLASTER OR 9.5 PLASTERBOARD WITH 3mm PLASTER SKIM (10kg/m2). JOISTS AND BEAMS TO BE 20mm CLEAR OF EXISTING CEILING CONSTRUCTION AND 40mm CLEAR OF CHIMNEY FLUES. ALL MULTIPLE MEMBER TIMBER BEAMS TO BE BOLTED AT 800 STAGGERED CENTRES USING TIMBERLOC FASTENERS. ALL STRUCTURAL STEEL WORK TO HAVE AN INTUMESCENT COATING TO ACHIEVE ONE HOUR FIRE RESISTANCE.

PROPOSED STAIRCASE:
ESTIMATED FLOOR-FLOOR = 1800, WIDTH= 750 AT 42° PITCH GIVES 9 EQUAL RISERS OF 200mm AND EQUAL STRAIGHT TREAD GOING OF 223mm. HANDRAIL PROVIDED TO RISK SIDE OF STAIRCASE SET 900mm ABOVE PITCH LINE WITH VERTICAL SPINDLES SET AT 99mm SPACINGS. BALUSTRADE SET AS HANDRAIL.

VELUX WINDOWS:
ALL WINDOWS TO BE DOUBLE GLAZED (3x16x4 lowE PROTEX STAR) AND FITTED IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS, TRIMMED BOTH SIDES WITH DOUBLE RAFTERS WITH TRIMMERS ABOVE AND BELOW VELUX.

WINDOWS & VENTILATION:
ALL NEW WINDOWS TO BE DOUBLE GLAZED USING LOW E GLASS 4:16:4 ARGON FILLED TO ACHIEVE A WINDOW ENERGY RATING (WER) C OR BETTER (U= 0.16W/m K)
CILL HEIGHT SET 800mm MINIMUM ABOVE FLOOR LEVEL, HABITABLE ROOMS TO BE PROVIDED WITH RAPID VENTILATION 1/20th OF ROOM AREA AND 8000mm2 BACKGROUND VENTILATION. SHOWER / BATHROOM (IF INSTALLED) TO HAVE BACKGROUND VENTILATION OF 4000mm2 AND FITTED WITH A MECHANICAL EXTRACTOR TO ACHIEVE 15 L/S EXTRACTION (CONNECTED TO THE LIGHT SWITCH AND SET TO OVERUN 15 MINUTES IF WITHOUT WINDOW).

PLUMBING:
BATH AND BASIN WASTE PIPES TO BE 40mm DIAMETER, RUNS OVER 4 METRES TO BE 50mm DIAMETER ALL CONNECTED SEPARATELY VIA 75mm DEEP SEAL TRAPS TO SANI PLUS MACERATOR, CLEANING ACCESS TO BE PROVIDED AT CHANGE OF PIPE DIRECTION. 22mm COPPER DISCHARGE PIPE CONNECTED TO EXISTING SVP, EXISTING VENT PIPE WITHIN 3 METRES OF OPENABLE WINDOWS TO BE EXTENDED 900mm ABOVE OPENINGS AND PROVIDED WITH VENTILATING COVER.

PART P (ELECTRICAL)
A: ALL ELECTRICAL WORK REQUIRED TO MEET THE REQUIREMENT OF PART P (ELECTRICAL SAFETY) MUST BE DESIGNED, INSTALLED, INSPECTED AND TESTED BY A PERSON COMPETENT TO DO SO.
B: PRIOR TO COMPLETION THE COUNCIL SHOULD BE SATISFIED THAT PART P HAS BEEN COMPLIED WITH. THIS MAT REQUIRE AN APPROPRIATE BS 7671 ELECTRICAL INSTALLATION CERTIFICATE TO BE ISSUED FOR THE WORK BY A PERSON COMPETENT TO DO SO.

LIGHT FITTINGS
ONE PER FOUR FIXED LIGHTING FITTINGS TO BE ENERGY EFFICIENT AND ACHIEVE A LUMINOUS EFFICACY GREATER THAN 40 LUMENS PER CIRCUIT WATT.

(AS PRINTED)
(M) 1:50

0 1 2 3 4 5 (M)

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SHEET No: 2 OF 5

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(M) 1:100 (AS PRINTED)
0 1 2 3 4 5 6 7 8 (M)

TILE VENTS TO ACHIEVE 5mm CONTINUOUS VENTILATION

200mm ECOTHERM INSULATION CUT BETWEEN ROOF JOISTS. ANY CAVITIES BETWEEN COLD/WARM ROOF TO BE PACKED WITH ROCKWOOL

PVCu / SOFTWOOD FASCIA WITH 100mm GUTTER SET TO FALL TO 65mm DOWN PIPE DISCHARGING INTO EXISTING R.W. SYSTEM.

12.5 PLASTERBOARD ON 1000g POLYTHENE VAPOUR BARRIER ON 50mm ECO THERM INSULATION WITH 80mm ECO THERM CUT BETWEEN RAFTERS. 35x50 TIMBER BATTENS FIXED TO UNDERSIDE OF RAFTERS TO MAINTAIN 50mm AIR GAP ABOVE INSULATION
U-value = 0.18W/m K

80mm ECOTHERM (ECO-DECK) WITH 50mm ECOTHERM FIXED UNDER PLY
U-value = 0.18W/m ^{2}K

100x125 WINDOW HEADER

TRIMMER T4

2000

2000

SOFFIT VENTS TO ACHIEVE 25mm CONTINUOUS VENTILATION

FLOOR / CEILING CONSTRUCTION:
LATH & PLASTER OR 9mm PLASTERBOARD WITH 3mm SKIM COAT (10 kg/m2) ON 47x100 CEILING JOISTS WITH 100mm ROCKWOOL ROLL BAT (MIN 10 kg/m3) INSULATION SUPPORTED ON CHICKEN WIRE WITH 22mm CHIPBOARD (V313) TO ACHIEVE 30 MINUTES FIRE RESISTANCE AND MEET THE SOUND REQUIREMENT OF PART E.
SHOULD EXISTING CEILING BE 12.5mm PLASTERBOARD THE CHICKEN WIRE IS NOT REQUIRED.

SECTION (1:50)

(AS PRINTED) (M) 1:50
0 1 2 3 4 5 (M)

FLAT ROOF: U-VALUE= 0.18W/m2K
12mm SPAR CHIPPING'S BITUMEN BEDDED ON THREE LAYERS OF ROOFING FELT (BS747) HOT BEDDED AND LAID TO BS8217. BASE LAYER TO BE SINGLE PLY G3 FELT WITH 25mm DIAMETER HOLES EQUALLY SPACED AND PARTIALLY BONDED TO 80mm ECOTHERM ECO-DECK INSULATION ON 18mm EXTERIOR PLYWOOD ON 47x125 GRADE C16 ROOF JOISTS AT 400c/c SET TO FALL (1:40), 50mm ECOTHERM INSULATION BOARD CUT BETWEEN JOISTS AND FIXED TO UNDERSIDE OF PLYWOOD. FINISHED INTERNALLY WITH 12.5mm PLASTERBOARD AND SKIM COAT PLASTER.

DORMER WALLS (TILE HUNG) U-VALUE= 0.26 W/m2K
VERTICAL TILES ON 19x38 TREATED TILE BATTEN ON TYPE 1F FELT (BS747) ON 9.5 EXTERIOR PLYWOOD WELL NAILED TO 47x90 VERTICAL STUDS AT 400c/c. 50mm ECOTHERM INSULATION TO ALL CAVITIES WITH 25mm ECOTHERM INTERNALLY POLYTHENE VAPOUR BARRIER TO WARM SIDE OF INSULATION. FINISHED INTERNALLY WITH 12.5mm PLASTERBOARD AND SKIM COAT PLASTER. WALLS WITHIN ONE METRE OF BOUNDARY TO HAVE 9mm MASTERBOARD EXTERNALLY AND 12.5mm PLASTERBOARD INTERNALLY TO ACHIEVE FULL HALF HOUR FIRE RESISTANCE (30/30)

STUD WALLS AND ROOF SLOPE:
PERIMETER AND PURLIN WALLS TO BE 47x90 VERTICAL STUDS AT 400c/c ON 47x90 HEAD & BASE PLATES, 50mm ECOTHERM TO ALL CAVITIES WITH 25mm ECOTHERM INSULATION FACED INTERNALLY AND 12.5mm PLASTERBOARD AND SKIM.
INTERNAL PARTITIONS TO BE 47x90 VERTICAL STUDS AT 400c/c WITH CROSS NOGGINS ON 47x90 PLATES AND FACED WITH 12.5mm PLASTERBOARD AND SKIM. STAIR ENCLOSURE TO TO HAVE 12.5mm PLASTERBOARD BOTH SIDES TO ACHIEVE HALF HOUR FIRE RESISTANCE. ALL INTERNAL WALL CAVITIES TO BE FILLED WITH 100mm ROCKWOOL TO ACHIEVE THE REQUIREMENT OF A.D. PART E 2003.
EXISTING ROOF SLOPES WITHIN THE CONVERSION TO HAVE 50mm ECOTHERM INSULATION FIXED TO UNDERSIDE OF RAFTERS WITH 80mm ECOTHERM INSULATION CUT BETWEEN RAFTERS. MAINTAINING 50mm AIR GAP ABOVE INSULATION AND ROOF COVERING BY FIXING 35x50 TIMBER BATTENS TO THE UNDERSIDE OF RAFTERS. POLYTHENE VAPOUR BARRIER TO WARM SIDE OF INSULATION WITH 12.5mm PLASTERBOARD AND SKIM INTERNALLY.

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SHEET No: 3 OF 5

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(M) 1:100
(AS PRINTED)

0 1 2 3 4 5 6 7 8 (M)

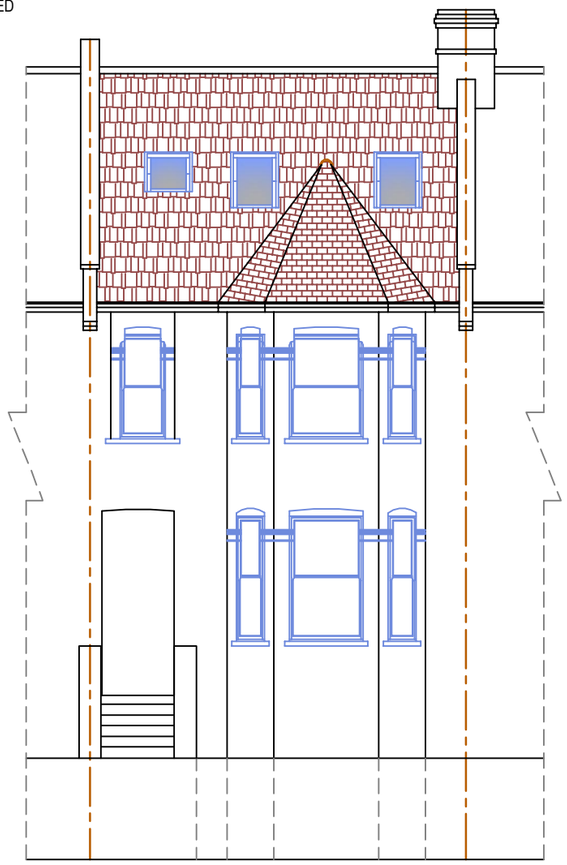
CODE 4 LEAD FLASHINGS TO ALL ROOF ABUTMENTS

MATERIALS USED IN THE EXTERIOR WORKS TO BE OF A SIMILAR APPEARANCE TO THOSE USED IN THE CONSTRUCTION OF THE EXISTING DWELLING HOUSE.

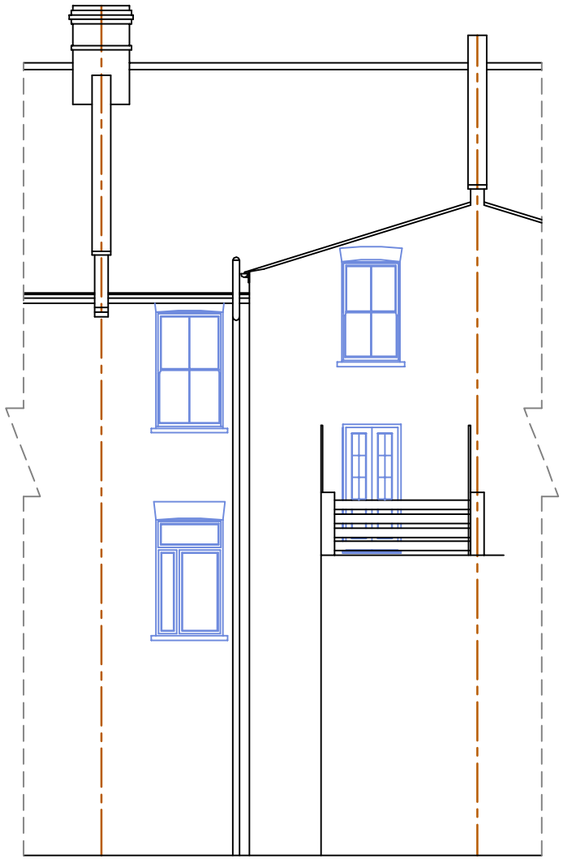
VERTICAL TILE HANGING TO MATCH EXISTING ROOF COLOUR

EXISTING VENT PIPE TO BE EXTENDED 900mm ABOVE WINDOW OPENINGS

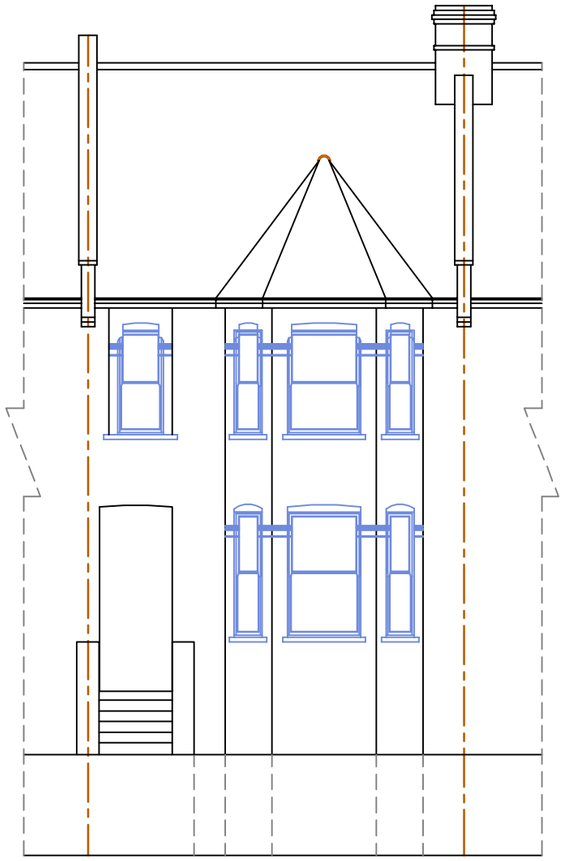
PROPOSED REAR ELEVATION (1:100)



PROPOSED PRINCIPAL ELEVATION (1:100)



EXISTING REAR ELEVATION (1:100)



EXISTING PRINCIPAL ELEVATION (1:100)

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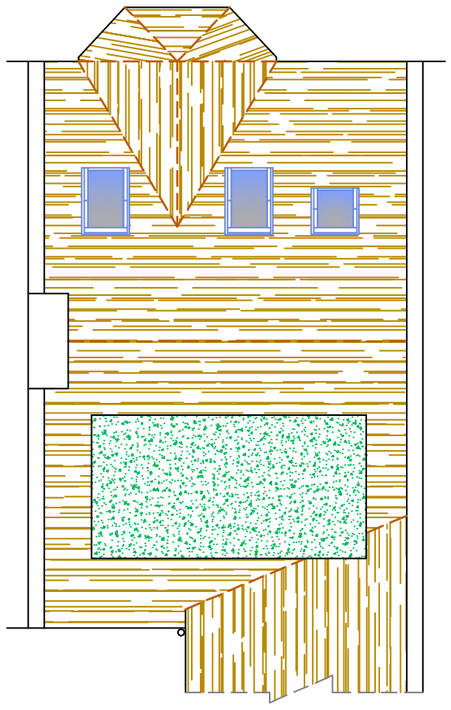
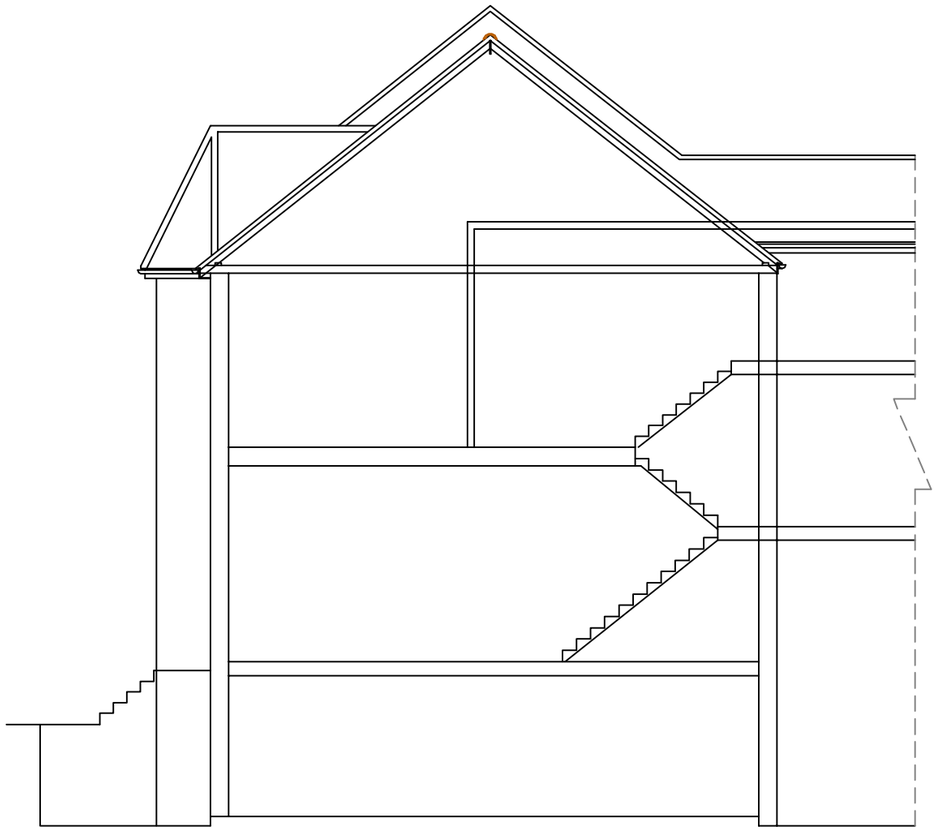


PROPOSED ROOF PLAN (1:100)

EXISTING ROOF PLAN (1:100)



EXISTING SECTION (1:100)

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