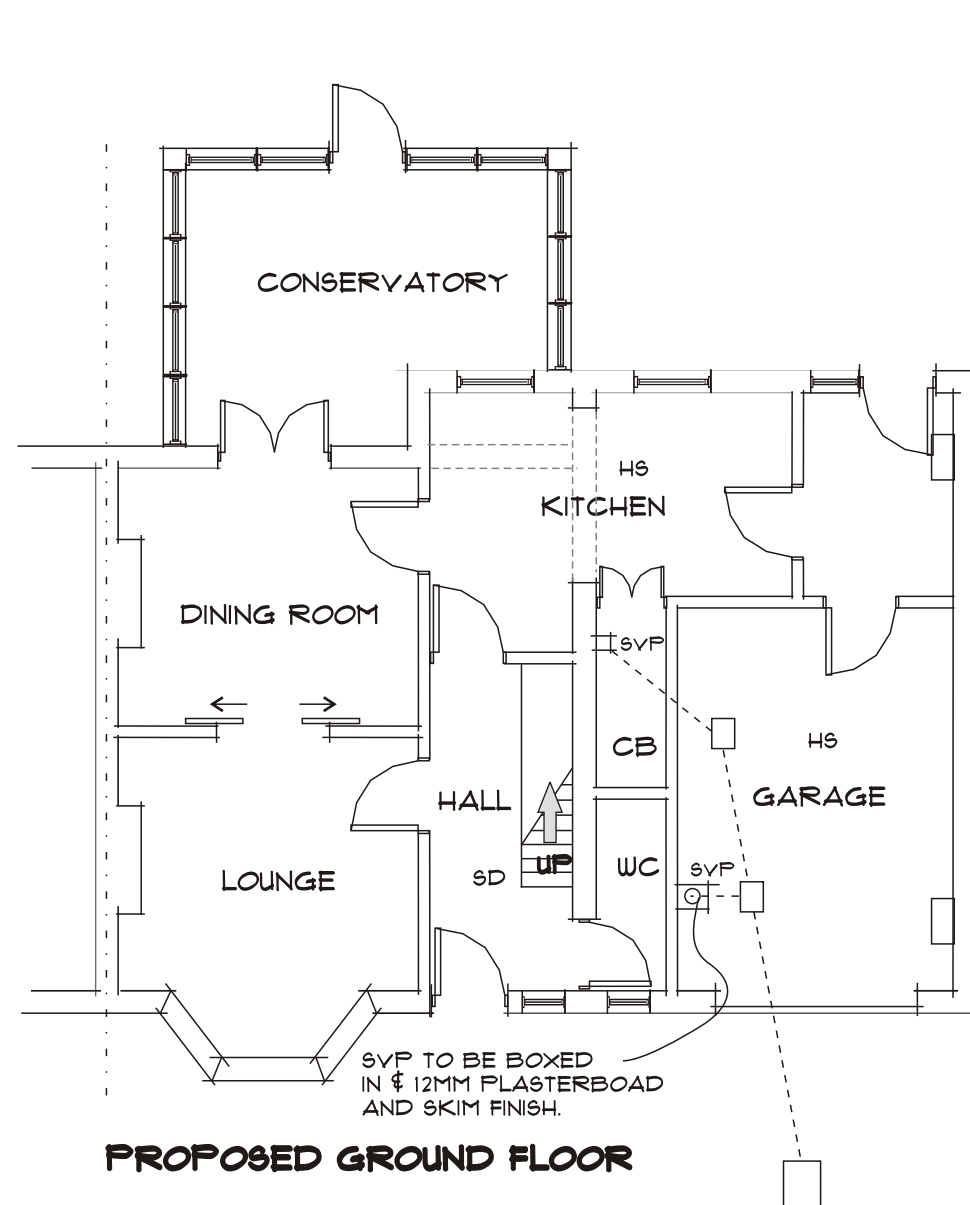
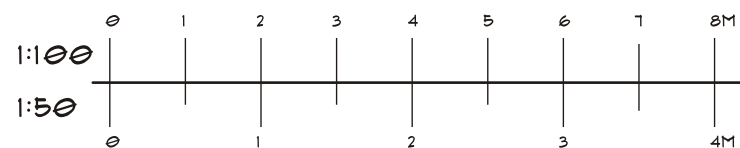
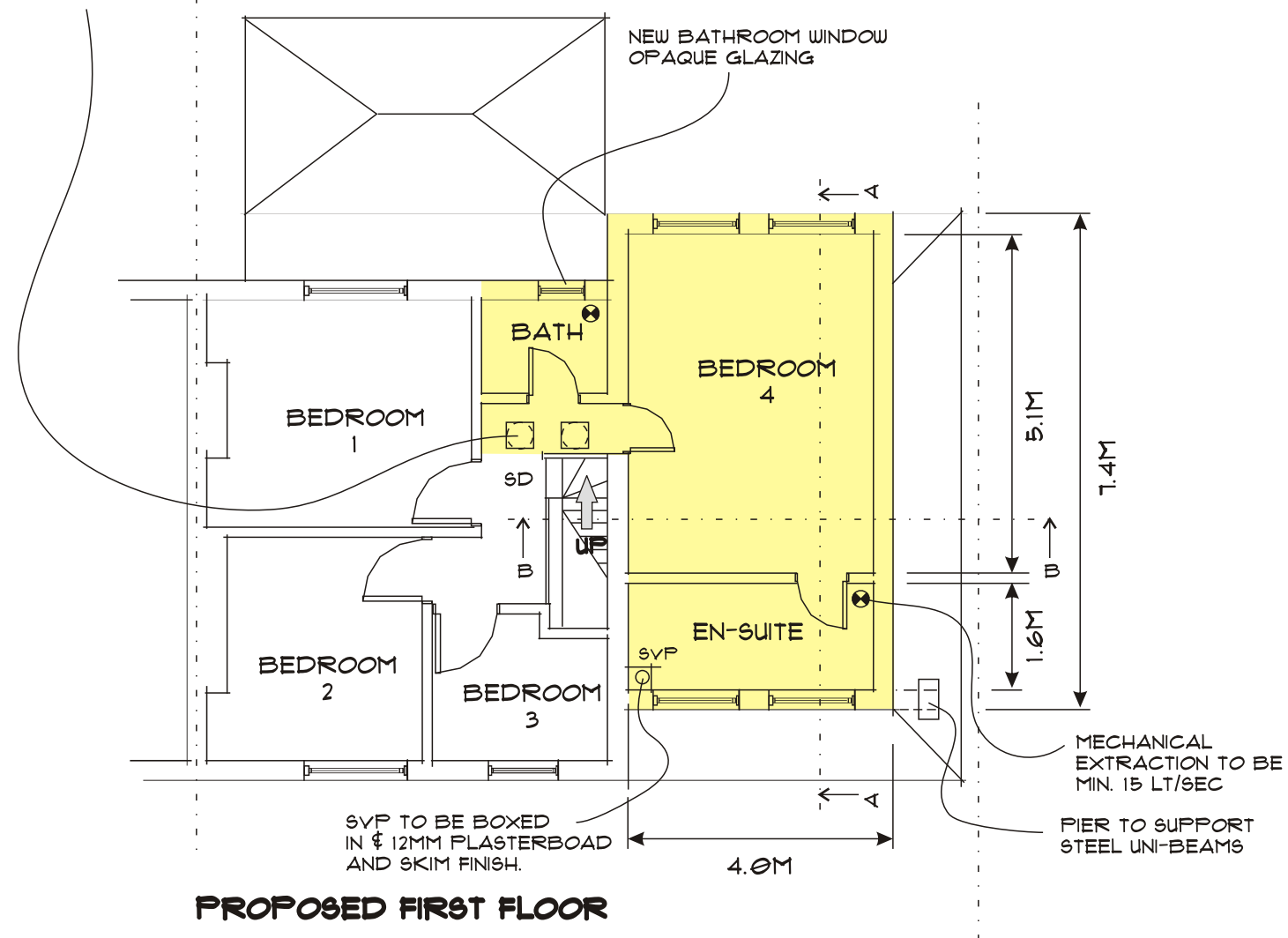


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SUNPIPES REQUIRED TO BE ENCLOSED USING TIMBER FRAME WITH 50MM CELOTEX INSULATION - ACHIEVING A U VALUE OF 0.28W/M²Q.K

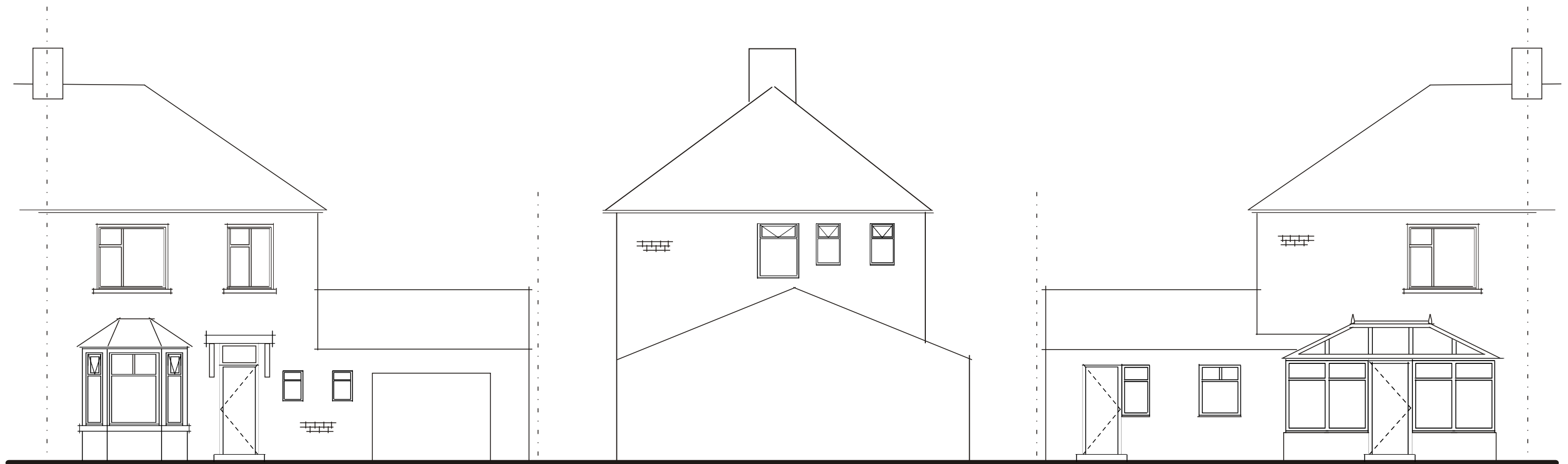
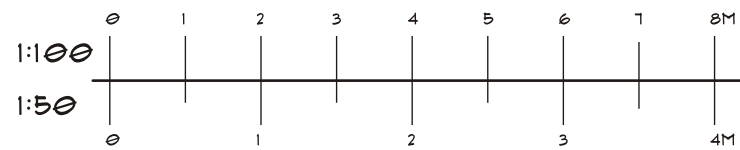


LEGEND

- "SD" - INTERLINKED MAINS CONNECTED SMOKE DETECTOR WITH BATTERY BACK-UP.
- "HS" - INTERLINKED MAINS CONNECTED HEAT SENSOR WITH BATTERY BACK-UP.
- "CB" - INDICATES STORAGE AREA OR CUPBOARD.
- ⊗ - MECHANICAL EXTRACTION TO BATHROOM/EN-SUITE AREAS.

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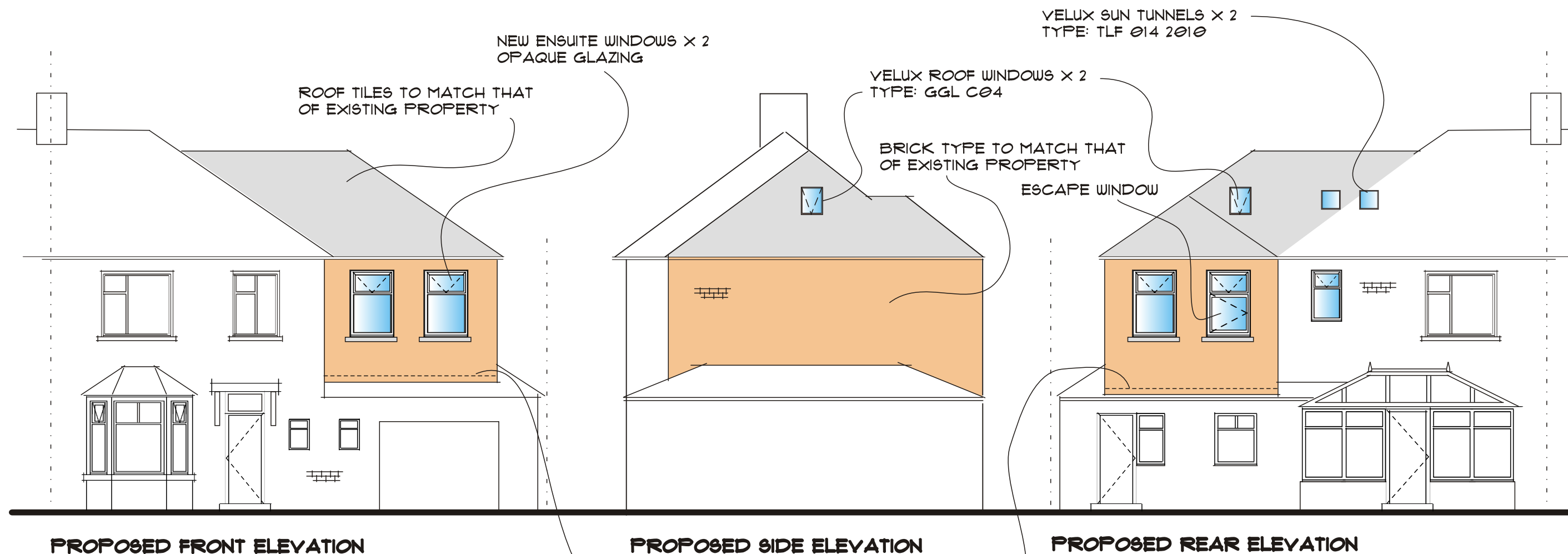
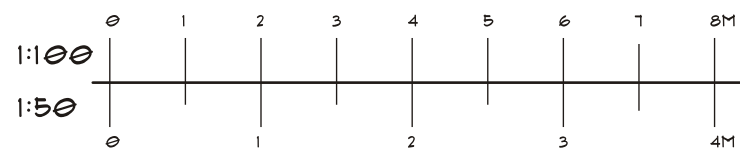
EXISTING FRONT ELEVATION

EXISTING SIDE ELEVATION

EXISTING REAR ELEVATION

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PROJECT EXTERNAL MATERIALS:

PLEASE NOTE THAT ALL PROPOSED MATERIALS ARE TO MATCH EXISTING.

CAVITY TRAYS TO BE INSTALLED
TO ENTIRE WIDTH OF PROPOSED
EXTENSION ABOVE NEW LEAD FLASHINGS.

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GENERAL NOTES: ALL WORK AND MATERIALS TO COMPLY WITH BUILDING REGULATIONS, BRITISH STANDARDS ETC. OR EQUIVALENT EUROPEAN STANDARDS. DIMENSIONS TO BE VERIFIED ON SITE AND ANY DISCREPANCY RESOLVED BEFORE WORK PROCEEDS. WHERE DIMENSIONS ARE NOT GIVEN HEIGHTS, ETC RELATE TO EXISTING BUILDING ELEMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY PRECAUTIONS - PROPPING EXISTING STRUCTURE, SAFE DELIVERY/HANDLING OF MATERIALS, ISSUE OF PERSONAL PROTECTIVE EQUIPMENT, LOCATION/PROTECTION OF EXISTING SERVICES, ERECTION OF SAFE SCAFFOLDING, FOLLOWING SAFE PRACTICES FOR WORK AT HEIGHTS, ETC TO COMPLY WITH ALL CURRENT SAFETY LEGISLATION AND HSE GUIDELINES. CONTRACTOR SHOULD HOLD APPROPRIATE INSURANCE'S (PUBLIC LIABILITY). OWNER TO INFORM BUILDING INSURERS OF PROPOSED WORK.

ALL CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH 'ROBUST CONSTRUCTION DETAILS' FOR DWELLINGS & SIMILAR BUILDINGS.

PIER FOUNDATIONS:
CONCRETE FOUNDATIONS (1:2:4) AT WIDTH OF 600MM X 600MM TO BE SITED BELOW PIERS OF NEW EXTENSION AT A MINIMUM DEPTH OF 900MM BELOW EXISTING GROUND LEVELS.

ROOF:
EXTERNAL TILING TO MATCH EXISTING ON 38X25MM TREATED BATTENS ON UNTEARABLE 'TYVEC' BREATHABLE FELT ON VAULTED ROOF STRUCTURE INDICATED. CONFIRM ROOF PITCHES ON SITE.

100X15MM TREATED WALLPLATE WITH 30X5X300MM GALVANIZED MILD STEEL STRAPS AT 2M MAXIMUM C/C.

FORM VALLEY IN CODE 4 LEAD OR FIBERGLASS ON 225X13MM SOFTWOOD BOARDING EACH SIDE VALLEY. ALL TIMBER TO BE PRESSURE IMPREGNATED WITH PRESERVATIVE.

VAULTED CEILING:
150 X 50MM C16 RAFTERS @ 400 C/C
100MM CELOTEX INSULATION IN-BETWEEN RAFTERS WITH 45MM CELOTEX INSULATION OVER INTERNAL FACE OF THE RAFTERS WITH 25MM COUNTER BATTENS TO WHICH 12MM PLASTERBOARDS ARE TO BE FIXED.

15MM TIMBER STUD TO GABLE WALL WITH 50MM CELOTEX BETWEEN STUDS WITH 12MM PLASTERBOARD & SKIM FINISH.

ROOF TRIMMER:
3 NO. 225 X 50MM C16 RAFTERS SECTIONS TO BE CONNECTED TOGETHER USING 50 MM DS TOOTHED PLATE CONNECTOR WITH M10 BOLTS AT 400 MM C/C'S.

**PROPOSED BEDROOM 4
SECTION A-A**

DOORS/WINDOWS:
ALL DOOR GLAZING WHETHER INTERNAL OR EXTERNAL, ADJACENT LOWER PANES AND GLAZING LESS THAN 800MM ABOVE FLOOR LEVEL TO BE TOUGHENED/SAFETY GLASS IN ACCORDANCE WITH THE PART N APPROVED DOCUMENT. UPVC/TIMBER DOUBLE GLAZED DOOR/WINDOW FRAMING TO CONFORM TO PART L APPROVED DOCUMENT. CONFIRM DOOR PATTERNS/HARDWARE WITH OWNERS. ALL EXTERNAL OPENINGS TO BE DRAUGHT SEALED. OPENABLE SASHES MIN. ONE TWENTIETH (5%) OF ROOM FLOOR AREAS WITH 8000MM² TRICKLE VENTS TO FRAME HEADS. PROPRIETARY INSULATION DPC'S AND MASTIC SEAL TO JAMBS

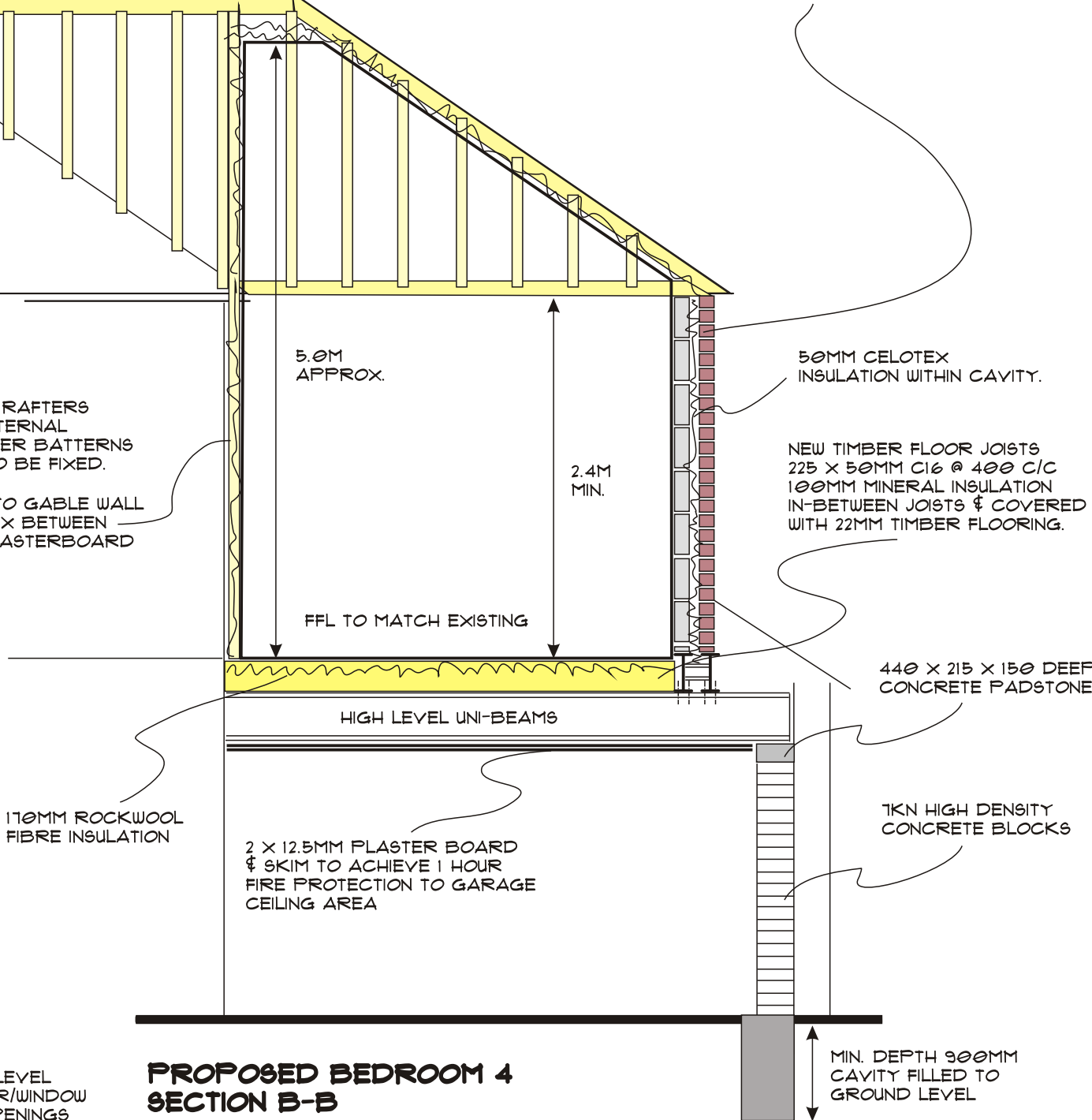
DRAINAGE:
112MM GUTTER/63MM RUP'S TO RODDABLE TRAP GULLIES. 32MM DIAMETER WASTE TO WHB, 38MM TO SINK, WASHER, DISHWASHER, BATH, ETC., 50MM DIAMETER IF COMBINED, 15MM TRAPS. LINTELS TO BE PROVIDED IN SUBSTRUCTURE WALLS WHERE DRAINS PASS THROUGH FOUNDATIONS AS PER NHBC STANDARDS.

LINTELS/BEAMS:
CATNIC CNI OR EQUIVALENT TO EXTERNAL OPENINGS WITH INSULATED BOX SECTION. CN52 TO EACH LEAF OF INTERNAL OPENINGS. 150MM MINIMUM END BEARINGS TO ALL LINTELS/BEAMS. 12.5MM PLASTERBOARD/SKIM FINISH TO ALL LINTELS/BEAMS.

SERVICES/FITMENTS:
WORK TO INCLUDE ALL NECESSARY ALTERATIONS/EXTENSION OF ELECTRICAL, PLUMBING AND HEATING SYSTEMS TO SUIT NEW LAYOUT. ALL ELECTRICAL WORK TO IEE REGULATIONS AND PART P: CURRENT EDITION AND MAY INCLUDE GENERAL LIGHTING/POWER SUPPLIES TO ANY APPLIANCES. ALL NEW RADIATORS ARE TO BE FITTED WITH TRV'S.

FIRE DETECTION: MAINS OPERATED SMOKE DETECTION/HEAT SENSORS WITH BATTERY BACKUP. ALL INTERCONNECTED ON A SEPARATE FUSED CIRCUIT. SMOKE DETECTION TO BE POSITIONED AND SHOWN AS "SD" & HEAT SENSOR "HS".

100MM THERMOLITE BLOCKS OR EQUIVALENT.
13MM PLASTER FINISH. WALL TIES TO B.S. 1243:1978 (1981 AMO.)
150MM C/C HORIZONTAL, 450MM VERTICAL, EACH BLOCK COURSE AT JAMBS.
BWK/BLOCKWORK BONDED TO EXISTING AND CAVITIES MAINTAINED.
INCLUDE FOR PLASTERING EXISTING WALLS WITHIN EXTENDED AREAS.

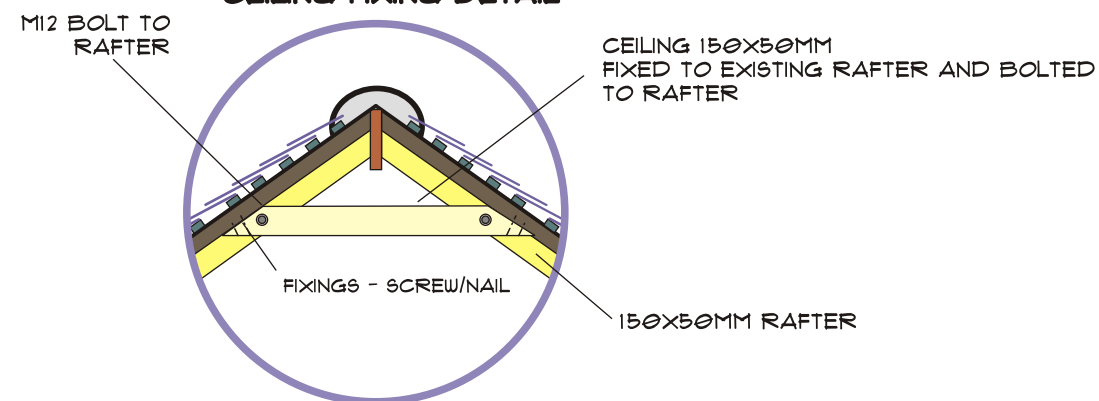


**PROPOSED BEDROOM 4
SECTION B-B**

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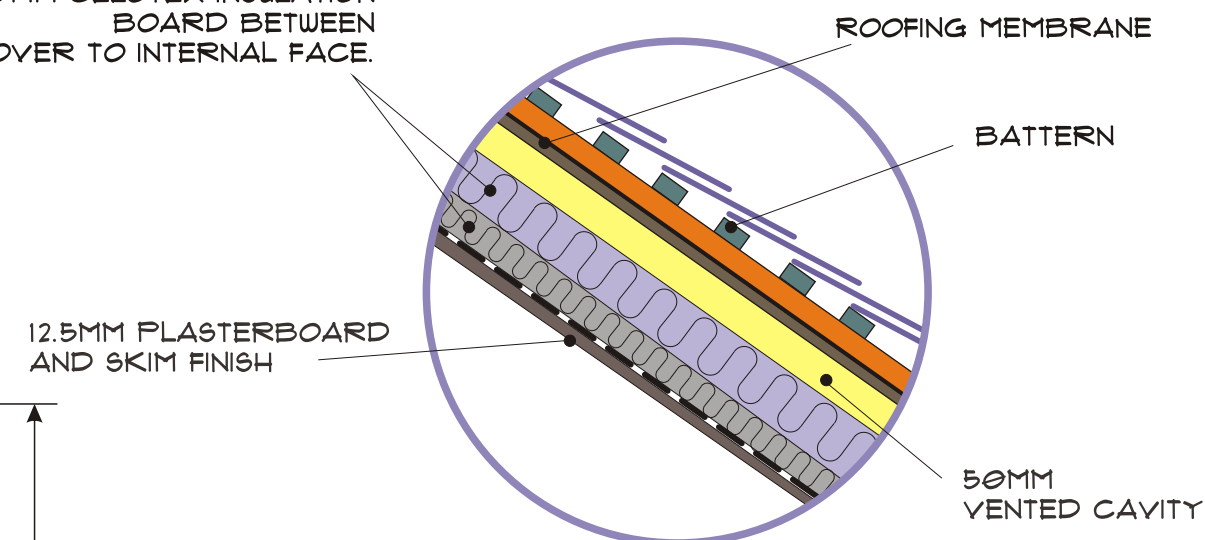
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CEILING FIXING DETAIL



100MM CELOTEX INSULATION BOARD BETWEEN RAFTERS WITH 45MM OVER TO INTERNAL FACE.

VAULTED ROOF SECTION DETAIL



LEGEND

A BEAM A ~ 305 X 165 X 54 KG/M UNI-BEAM

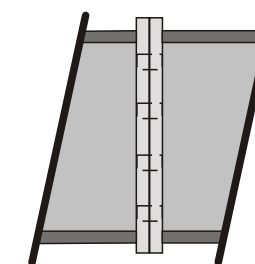
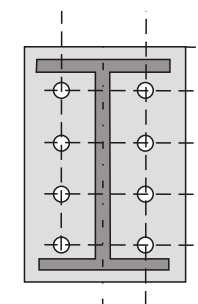
B BEAM B ~ 356 X 171 X 51 KG/M UNI-BEAM

FLOOR JOISTS ARE TO BE 225MM X 50MM
- C16 TIMBER GRADE AT 400 C/C

TIMBER RAFTERS ARE TO BE 150MM X 50MM
- C16 TIMBER GRADE AT 400 C/C

TYPICAL BEAM SLICE DETAIL

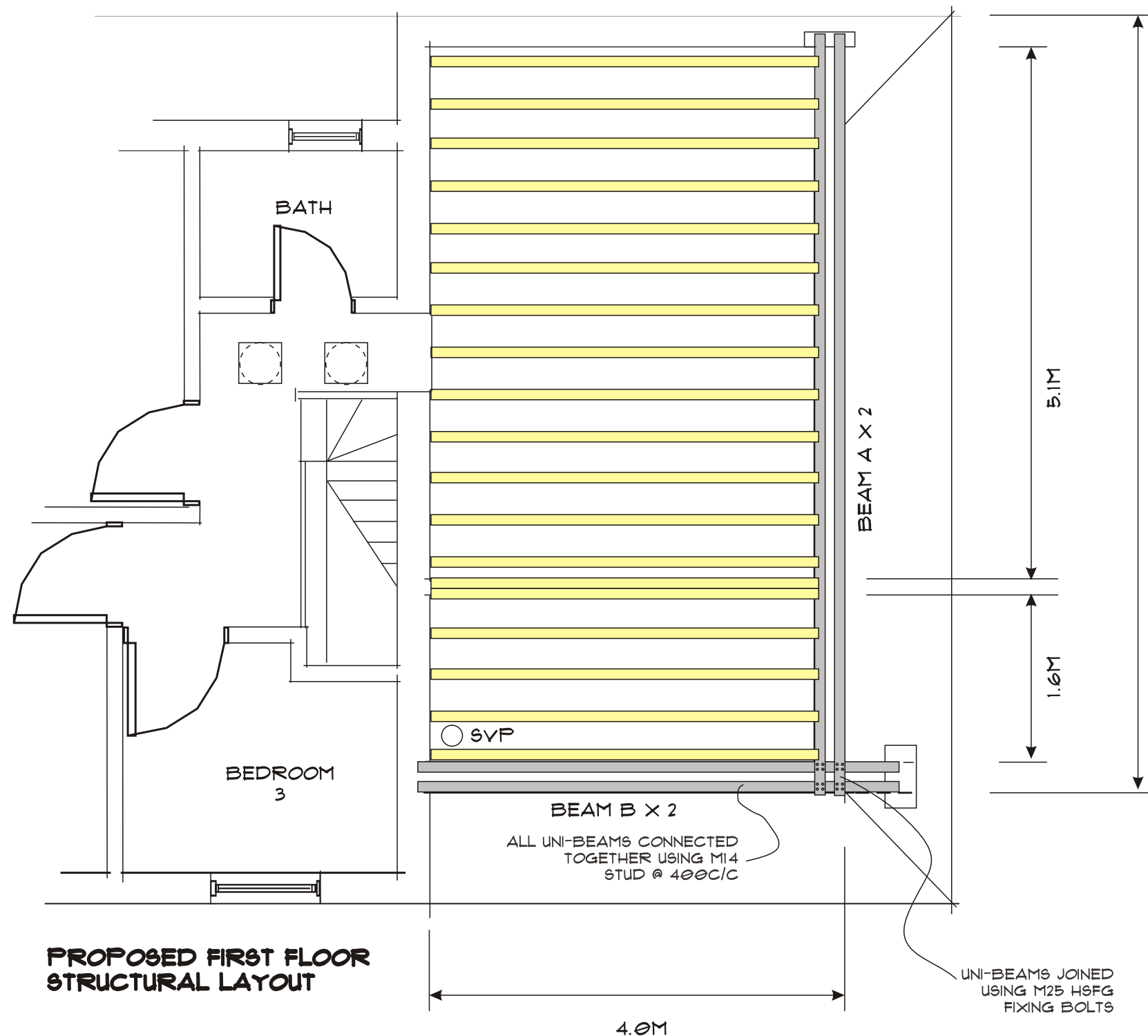
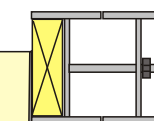
END PLATE: 340 X 130MM
PLATE THICKNESS: 25MM
BOLTS: USE 8 NO. M25 HSFG



STEEL/JOIST FIXING DETAIL

225MM X 50MM C16 TIMBER GRADE AT 400 C/C

JOIST HANGER



PROPOSED FIRST FLOOR STRUCTURAL LAYOUT

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