PLUMBING INSTALLATION

COMPLETE INSTALLATION TO BE SUBJECT TO AND CAPABLE OF WITHSTANDING TESTING IN ACCORDANCE WITH BS 5572 : 1978. ABOVE GROUND FOUL DRAINAGE PIPEWORK SHALL BE PVCU TO BS 4514.
PIPEWORK MUST BE DESIGNED IN ACCORDANCE WITH BS 5572 AND INSTALLED TO ENSURE THAT APPLIANCES DRAIN EFFICIENTLY WITHOUT CAUSING CROSSFLOW, BACKFALL, LEAKAGE OR BLOCKAGE. NO AIR FROM THE DRAINAGE SYSTEM SHALL ENTER THE BUILDING. PROVIDE ADEQUATE SUPPORT TO LENGTHS OF PIPEWORK AND AT JUNCTIONS AND CHANGE IN DIRECTION. NO BRANCH CONNECTION TO BE WITHIN 450MM ABOVE FOOT OF SOIL PIPE. MINIMUM PIPE SIZES FOR SANITARY PLUMBING TO BE:

WC'S, SOIL PIPES:	100MM DIA NOM.
SIZE COMMON PIPE WASTES:	50MM DIA NOM.
SIZE BATH, SINK:	50MM DIA NOM.
SIZE HAND BASIN:	32MM DIA NOM.
SIZE SHOWER:	32MM DIA NOM.
SIZE OVERFLOW:	19MM DIA NOM.

SIZE ALL FITTINGS TO HAVE 75MM DEEP SEAL TRAPS. PROVIDE WASTE PIPES FOR WASHING MACHINE AND DISHWASHER WHERE APPLICABLE. ALL WASTE PIPES SHALL BE LAID TO FALLS (25MM PER METRE RUN). ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

THE MAXIMUM LENGTH OF WASTE PIPES SHALL BE AS FOLLOWS:

32MM PIPE	1.7M MAXIMUM LENGTH
40MM PIPE	3M MAXIMUM LENGTH
50MM PIPE	4M MAXIMUM LENGTH
100MM PIPE	6M MAXIMUM LENGTH

SOIL AND VENTILATING STACKS TO TERMINATE MINIMUM 900MM ABOVE ANY WINDOW HEAD WITHIN 3M HORIZONTALLY.
SOIL PIPES PASSING THROUGH HABITABLE ROOMS (INCLUDING KITCHENS) TO BE LAGGED WITH MINIMUM 50MM SOUND DEADENING QUILT AND WITH TWO LAYERS OF 12.5MM PLASTERBOARD ON 38 X 38MM SOFTWOOD FRAMING FINISHED WITH 3MM THICK PLASTER SKIM.
ACCESS AND RODDING EYE FITTINGS TO BE PROVIDED TO ENSURE ALL PIPEWORK IS ACCESSIBLE AS REQUIRED. PIPEWORK LAID BETWEEN JOISTS TO BE ADEQUATELY SUPPORTED.

FIRE DETECTION

SMOKE DETECTION TO BE FITTED IN CIRCULATION SPACES ON EACH FLOOR AND A HEAT DETECTOR TO BE INSTALLED IN THE KITCHEN.
ALL TO BE MAINS WIRED AND BATTERY BACK UP INTERLINKED.

ALL LEVELS TO BE CHECKED ON SITE

ALL DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND THE INFORMATION IN THE SPECIFICATION TO BE REFERRED TO THE ARCHITECT PRIOR TO PROCEEDING.

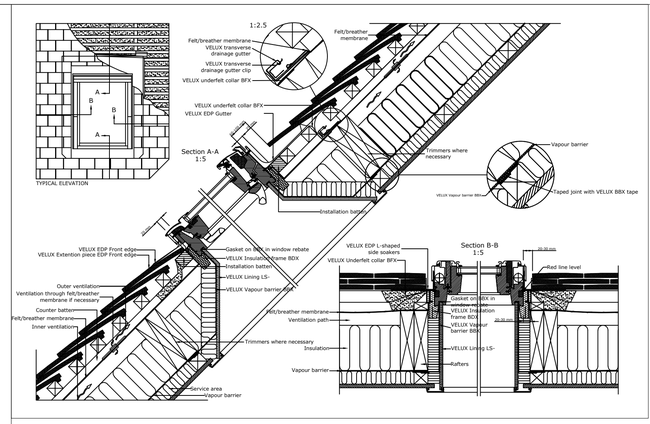
BELOW GROUND DRAINAGE:

ALL DRAINS UNDER THE BUILDING SHALL BE SURROUNDED WITH AT LEAST 100MM OF GRANULAR MATERIAL. WHERE THE CROWN OF THE PIPE IS WITHIN 300MM OF THE UNDERSIDE OF THE FLOOR SLAB THE PIPE SHALL BE PROTECTED BY REINFORCED CONCRETE COVER SLABS WITH FLEXIBLE FILLER AND AT LEAST 75MM OF GRANULAR MATERIAL BETWEEN THE TOP OF THE PIPE AND THE UNDERSIDE OF THE FLEXIBLE FILLER BELOW THE SLABS.
WHERE DRAINS PASS THROUGH EXTERNAL WALLS THEY ARE TO BE PROTECTED WITH A PRE-STRESSED CONCRETE LINTEL OVER WITH MINIMUM 150MM END BEARINGS AND 50MM CLEARANCE ALL AROUND THE PIPE. THE OPENING IS TO BE MASKED WITH RIGID SHEET MATERIAL ON BOTH SIDES TO PREVENT THE INGRESS OF VERMIN AND FILL MATERIAL. THE VOID AROUND THE PIPE WHERE IT PASSES THROUGH THE CONSTRUCTION SHALL BE FILLED WITH A COMPRESSIBLE SEALANT TO PREVENT ENTRY OF GAS. THE LENGTH OF PIPE PASSING THROUGH THE WALL IS TO BE KEPT AS SHORT AS POSSIBLE AND 600MM LONG MAXIMUM ROCKER PIPES ARE TO BE USED EITHER SIDE OF THE WALL STRUCTURE TO PROVIDE FLEXIBILITY.
ROCKER PIPE JOINTS TO BE POSITIONED MAXIMUM 150MM FROM THE FACE OF THE WALL/STRUCTURE.
ACCESS POINTS IN THE FORM OF RODDING EYES, ACCESS FITTINGS, INSPECTION CHAMBERS OR MANHOLES TO BE PROVIDED AT THE FOLLOWING POINTS:
(1) ON OR NEAR THE HEAD OF EACH DRAIN RUN
(2) AT A BEND AND AT A CHANGE IN GRADIENT.
(3) AT A CHANGE IN PIPE SIZE
(4) AT A JUNCTION UNLESS EACH RUN CAN BE CLEARED FROM AN ACCESS POINT.

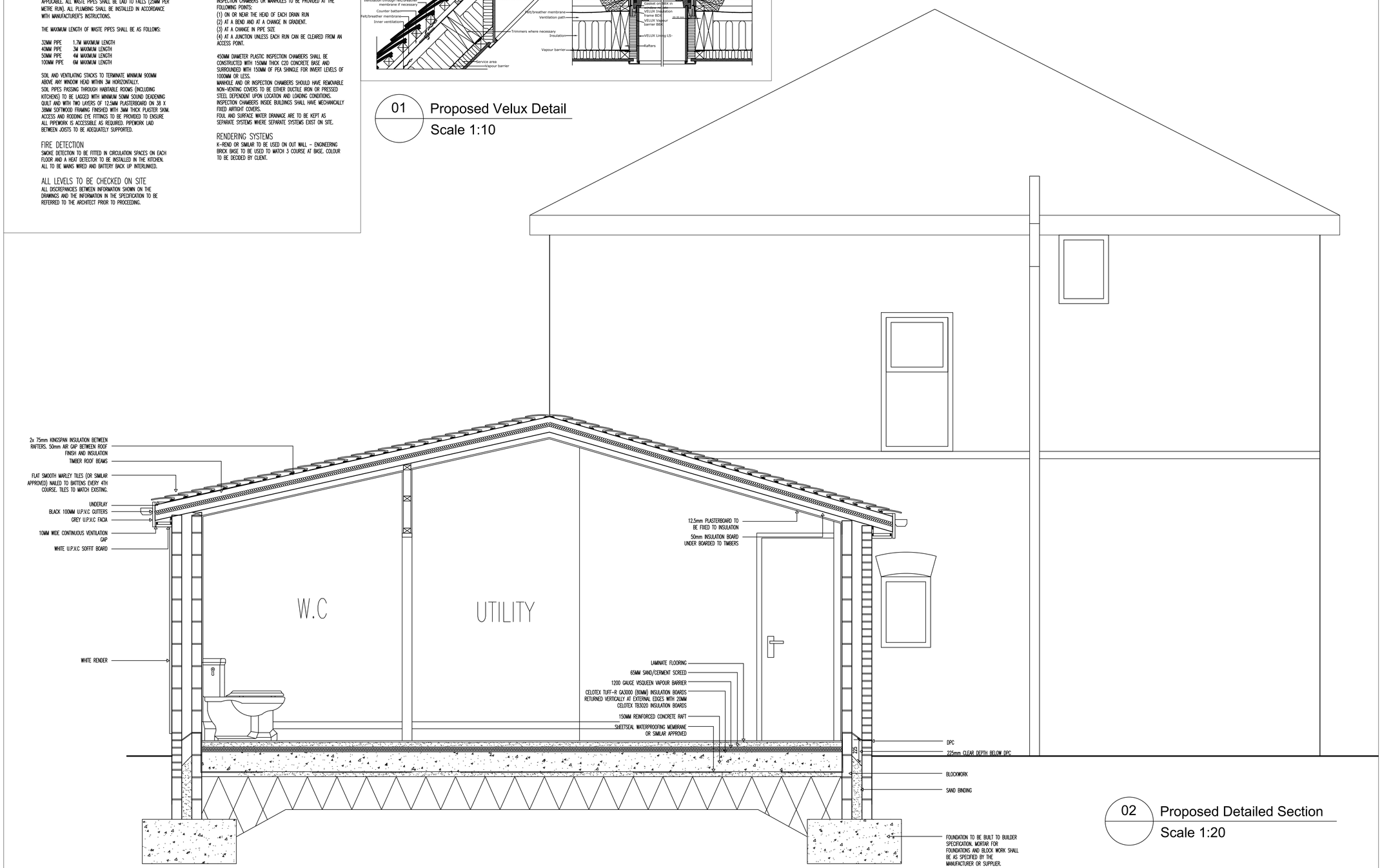
450MM DIAMETER PLASTIC INSPECTION CHAMBERS SHALL BE CONSTRUCTED WITH 150MM THICK C20 CONCRETE BASE AND SURROUNDED WITH 150MM OF PEA SHINGLE FOR INVERT LEVELS OF 1000MM OR LESS.
MANHOLE AND OR INSPECTION CHAMBERS SHOULD HAVE REMOVABLE NON-VENTING COVERS TO BE EITHER DUCTILE IRON OR PRESSED STEEL DEPENDENT UPON LOCATION AND LOADING CONDITIONS.
INSPECTION CHAMBERS INSIDE BUILDINGS SHALL HAVE MECHANICALLY FIXED AIRTIGHT COVERS.
FOUL AND SURFACE WATER DRAINAGE ARE TO BE KEPT AS SEPARATE SYSTEMS WHERE SEPARATE SYSTEMS EXIST ON SITE.

RENDERING SYSTEMS

K-REND OR SIMILAR TO BE USED ON OUT WALL – ENGINEERING BRICK BASE TO BE USED TO MATCH 3 COURSE AT BASE. COLOUR TO BE DECIDED BY CLIENT.



01 Proposed Velux Detail
Scale 1:10



02 Proposed Detailed Section
Scale 1:20

Notes

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Do not scale off this drawing

All dimensions are to be checked on site and any discrepancies to be referred to Zach Thorp before proceeding.

All levels to be checked on site

All discrepancies between information shown on the drawings and the information in the specification to be referred to the architect prior to proceeding.

All component sizes and references to be checked before ordering

Position of existing drain runs to be confirmed prior to proceeding and drains checked as necessary.

All relevant boundary positions are to be checked prior to proceeding

Rev	Description	Date	By	Chk

Status — Purpose for Issue

Survey	☐	Tender	☐
Construction	☒	As Built	☐

Client
Ian Bebbington
115 Bury Old Road

Contract
Proposed Ground Floor Rear and Side Extension

Drawing
Proposed Detailed Section and Specification

Drawing No.	ZT20-196-05	Revision	/
Scales	1:50	Date	Oct '20
Drawn	ZTT	Checked	