NEW EXTENSION CAVITY WALL TO ACHIEVE MINIMUM U VALUE OF 0.18 W/m²K

NEW CAVITY WALL TO COMPRISE OF 103mm SUITABLE FACING BRICK, FULL FILL THE CAVITY WITH 90mm ECOTHERM ECO-CAVITY FULL FILL INSULATION AS MANUFACTURER'S DETAILS, LEAVING 10mm CAVITY BETWEEN THE INSULATION AND OUTER SKIN. INNER LEAF CONSTRUCTED USING 100mm LIGHTWEIGHT BLOCK, 0.15 W/m²K, e.g. CELCON SOLAR, THERMALITE TURBO. INTERNAL FINISH TO BE 12.5mm PLASTERBOARD ON DABS. WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR.

EXISTING DRAINAGE TO BE LOCATED ON SITE BY BUILDER PRIOR TO STARTING WORKS. ALL NEW FOUNDATIONS TO BE TAKEN DOWN TO INVERT OF ANY NEARBY DRAINS. BUILDER TO CHECK INVERT OF EXISTING I.C. BEFORE WORKS TO ENSURE ALL NEW DRAINAGE FALLS WORK ON SITE. DRAINAGE DETAILS T.B.C. ON SITE BETWEEN BUILDER AND BUILDING INSPECTOR.

NEW EXTERNAL DRAINAGE DETAILS T.B.C. ON SITE WITH BUILDING INSPECTOR.

LATERAL RESTRAINT/ ANCHOR STRAPS:-
UNLESS NOTED OTHERWISE PROVIDE 30 x 5mm MILD STEEL STRAPS TO FLOORS AND CEILINGS ABOVE GROUND, WALLPLATES, GABLE ENDS AND ROOF VERGES. STRAPS SHOULD BE MINIMUM 1000MM LONG AT MAXIMUM 2000 CENTRES SECURELY FIXED TO FACE OF MASONRY.

FOUNDATION TO EXISTING WALLS TAKING AND INCREASE IN LOAD TO BE EXPOSED TO THE SATISFACTION OF THE BUILDING INSPECTOR. ALLOW FOR UNDERPINNING

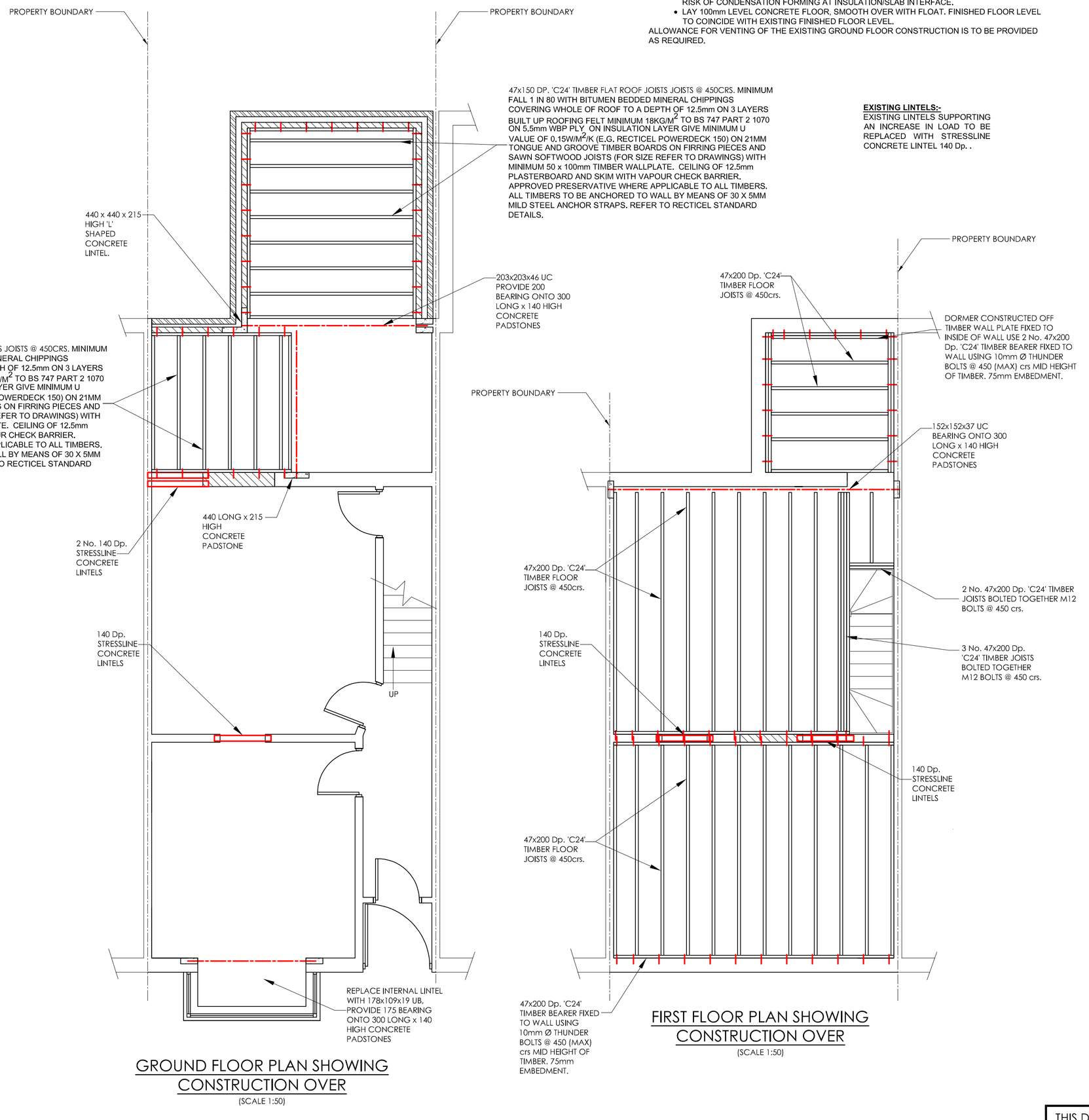
GROUND FLOOR SLAB TO EXTENSION TO ACHIEVE MINIMUM U VALUE OF 0.18 W/m²K

1. SOLID GROUND BEARING INSITU CONCRETE SLABS -
 - LAY 150MM WELL CONSOLIDATED SULPHATE FREE HARDCORE AND BLIND WITH 50mm OF SAND BLINDING.
 - INSTALL 1200 GAUGE POLYTHENE DAMP PROOF MEMBRANE AND LAP INTO DAMP PROOF COURSE.
 - LAY RECTICEL EUROTHANE GP 130mm THICK TO ACHIEVE REQUIRED U-VALUE. USE CELOTEX INSULATION SAW TO CUT AND FIT INSULATION.
 - USE CELOTEX INSULATION SAW TO CUT AND FIT INSULATION UPSTAND TO FLOOR PERIMETER, TO MEET A MINIMUM R-VALUE OF 0.75 m^2K/W I.E. CELOTEX TB4020 OR SIMILAR, HEIGHT OF INSULATION TO COINCIDE WITH REQUIRED FINISH FLOOR LEVEL.
 - LAY A POLYTHENE VAPOUR CONTROL LAYER (VCL) OVER THE INSULATION TO MINIMISE THE RISK OF CONDENSATION FORMING AT INSULATION/SLAB INTERFACE.
 - LAY 100mm LEVEL CONCRETE FLOOR, SMOOTH OVER WITH FLOAT, FINISHED FLOOR LEVEL TO COINCIDE WITH EXISTING FINISHED FLOOR LEVEL.

ALLOWANCE FOR VENTING OF THE EXISTING GROUND FLOOR CONSTRUCTION IS TO BE PROVIDED AS REQUIRED.

UPGRADING EXISTING EXTERNAL WALLS:-
FIX WITH SUITABLE FIXINGS 25x47mm BATTENS TO THE MASONRY AT 600mm VERTICAL CENTRES TO COINCIDE WITH THE BOARD EDGES SPECIFIC ADVICE FROM ON SUITABLE FIXINGS SHOULD BE SOURCED DIRECTLY FROM THE FIXING MANUFACTURER.

PUSH TIGHT CELOTEX PL4000 50mm THICK BETWEEN THE BATTENS + 12.5MM PLASTERBOARD IS THEN MECHANICALLY FIXED TO THE BATTENS USING SUITABLE FIXINGS. JOINTS BETWEEN BOARDS ARE TO BE TIGHTLY BUTTED AND FINISHED BY TAPING AND JOINTING BY USING APPROPRIATE TAPE AND JOINTING MATERIAL TO CREATE A VAPOUR CONTROL LAYER (VCL).

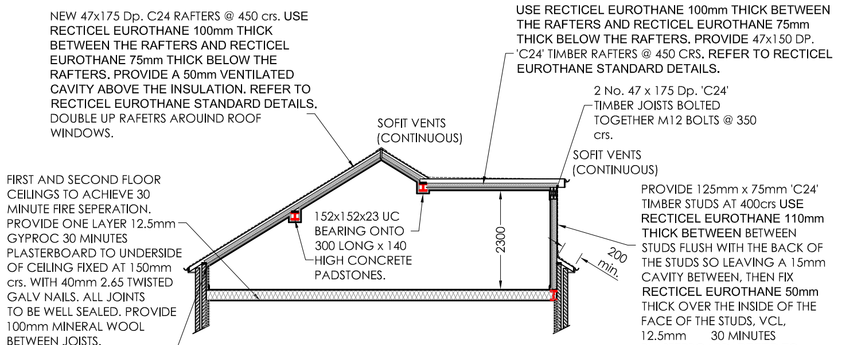


GROUND FLOOR PLAN SHOWING CONSTRUCTION OVER
(SCALE 1:50)

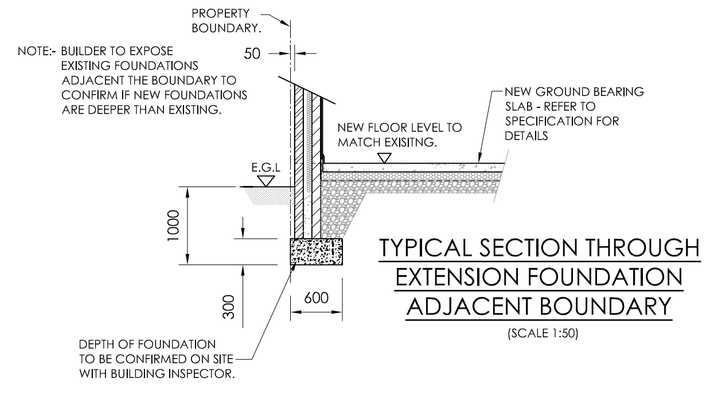
47x150 DP. 'C24' TIMBER FLAT ROOF JOISTS JOISTS @ 450CRS. MINIMUM FALL 1 IN 80 WITH BITUMEN BEDDED MINERAL CHIPPINGS COVERING WHOLE OF ROOF TO A DEPTH OF 12.5mm ON 3 LAYERS BUILT UP ROOFING FELT MINIMUM 18KG/M2 TO BS 747 PART 2 1070 ON 5.5mm WBP PLY, ON INSULATION LAYER GIVE MINIMUM U VALUE OF 0.15W/M²K (E.G. RECTICEL POWERDECK 150) ON 21MM TONGUE AND GROOVE TIMBER BOARDS ON FIRRING PIECES AND SAWN SOFTWOOD JOISTS (FOR SIZE REFER TO DRAWINGS) WITH MINIMUM 50 x 100mm TIMBER WALLPLATE. CEILING OF 12.5mm PLASTERBOARD AND SKIM WITH VAPOUR CHECK BARRIER, APPROVED PRESERVATIVE WHERE APPLICABLE TO ALL TIMBERS. ALL TIMBERS TO BE ANCHORED TO WALL BY MEANS OF 30 X 5MM MILD STEEL ANCHOR STRAPS. REFER TO RECTICEL STANDARD DETAILS.

EXISTING LINTELS:-
EXISTING LINTELS SUPPORTING AN INCREASE IN LOAD TO BE REPLACED WITH STRESSLINE CONCRETE LINTEL 140 Dp. ,

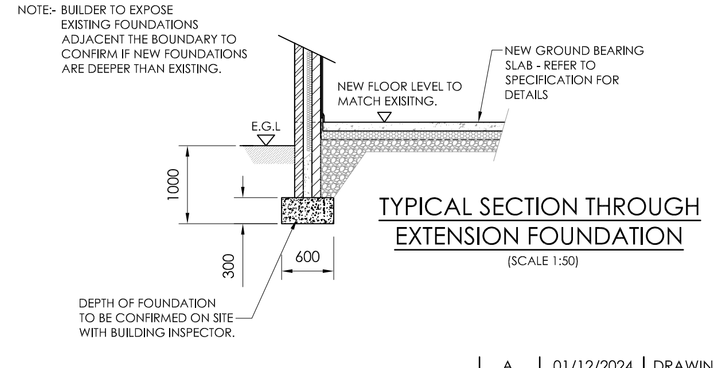
FIRST FLOOR PLAN SHOWING CONSTRUCTION OVER
(SCALE 1:50)



TYPICAL SECTION THROUGH DORMER CONVERSION
(SCALE 1:100)



TYPICAL SECTION THROUGH EXTENSION FOUNDATION ADJACENT BOUNDARY
(SCALE 1:50)



TYPICAL SECTION THROUGH EXTENSION FOUNDATION
(SCALE 1:50)

0m 1m 2m 3m 4m 5m 6m

SCALE 1:50 RULE

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELATED DRAWINGS.
DO NOT SCALE FROM THIS DRAWING.
ALL DIMENSIONS MUST BE CHECKED AND VERIFIED ON SITE BEFORE COMMENCING ANY WORK OR PRODUCING SHOP DRAWINGS
THE ORIGINATOR SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY
ON COMMENCING WORKS BUILDER TO CONFIRM TOP OF WALL PLATE LEVEL AND TOP OF RIDGE LEVEL

REV.	DATE	DESCRIPTION
A	01/12/2024	DRAWING UPDATED TO SHOW FOUNDATION DETAILS.

ISSUED FOR BUILDING REGULATIONS

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NB Architectural Design

SCHEME - CONVERSION TO 6 BED 6 PERSON HMO.	PROPERTY ADDRESS - 459 ROCHDALE OLD RD, BURY, BL9 7TB.
	A1 SCALE 1:50
TITLE - STRUCTURAL DETAILS - SHEET 1.	DATE NOVEMBER 2024
DWG No - ROR-No459-SD-001	REV. A