

General Notes

1. All drawings to be read in conjunction with all relevant specifications, architect's drawings and services engineer's drawings.
2. For setting out refer to architect's drawings.
3. All dimensions are in millimetres unless noted otherwise.
4. Do not scale from the drawings or the computer digital data. Only figured dimensions to be used.
5. For all waterproofing details - see architect's drawings.
6. The contractor is to provide any temporary bracing necessary to maintain structural stability during construction.
7. The works have been designed and shall be constructed in accordance with the following codes. This list is not exhaustive and is only intended to list the principal codes:
 - a) BS EN 1991-1-1:2002, BS EN 1991-1-7:2006: Code of practice for dead and imposed loads.
 - b) BS EN 1991-1-4:2005+A1:2010: Code of practice for wind loads.
 - c) BS EN 1991-1-3:2003: Code of practice for imposed roof loads.
 - d) BS EN 1997-1:2004 : Code of practice for foundations.
 - e) BS EN 1992-1-1:2004: Structural use of concrete.
 - f) BS EN 1993-1-1:2005, BS EN 1993-1-5:2006, BS EN 1993-1-10:2005, BS EN 1993-5:2007, BS EN 1993-6:2007, BS EN 1993-1-8:2005: Structural use of steelwork in buildings.
 - g) PD 6697:2010, BS EN 1996-3:2006, BS EN 1996-2:2006, BS EN 1996-1-1:2005+A1:2012: Structural use of un-reinforced masonry.
 - h) BS EN 1995-1-1:2004+A1:2008: Structural use of timber.
8. The works have been designed for the finish state. The following superimposed loads have been used in the design:
Floor loads - See structural engineer's calculations.
Roof loads - See structural engineer's calculations.
9. All works shall comply with the Building Regulations and other relevant statutory notices e.g. Health and Safety Bylaws, COSHH etc
10. The client / appointed contractor must take their own assurances on:
 - a) Soil conditions on site and the gradient of land;
 - b) Suitability / existing methods of storm water drainage;
 - c) Trees (existing or removed) and their affect on foundations;
 - d) Position and condition of main sewer.
11. Extensions/alterations to existing structures are subject to revision depending upon such being fully exposed. The client/thier contractor must take their own assurances that any structure designated for demolition/removal and not load bearing or that alternative methods of permanent support are put in place prior to removal. Existing walls, lintels and foundations that are intended to take additional loads, must first be fully exposed and checked for adequacy prior to the commencement of works.

Foundations

1. The depth of the proposed foundations are subject to ground conditions and building control approval. These are to be minimum 1000mm deep subject to be founding in good ground of minimum 100kN/m² bearing stratum (based on London Clay).
2. The excavations should be free from any mature tree roots. If there are large trees in the vicinity then the foundations depth is to be in accordance with NHBC standards guidelines for building near trees.

3. Where new foundations are to abut existing foundations, a soft joint of 75mm is to be formed using 'Claymaster' or similar approved unless noted otherwise on the drawings.
4. Any foundations deeper than 1.5m should have suspended floors to avoid any heave. Where the foundations are cast within highly shrinkable soils, then anti-heave precautions such as compressible materials or void formers are to be applied to the foundations.

Notes for Timber

1. These notes are to be read in conjunction with relevant architect's and services engineer's drawings and specification.
2. All timber-work shall comply with BS EN 1995-1-1:2004+A1:2008.
3. Roof area:
 - a) Roof joists shall be grade C24. Evidence of grading shall be provided before work commences;
 - b) Blocking and battens shall be grade C24 softwood;
 - c) The sizes shown on the drawings are finished sizes;
 - d) In joint zones wanes, shakes and knots are not permitted;
 - e) Timber to be carefully cut and planed to ensure tight fit and continuous bearing against metalwork;
 - f) All gaps between timber and metalwork to be resin-grouted, to the approval of the engineer.
4. All connectors, bolts, nails etc. shall be galvanized to BS 1204.
5. Adhesive shall be to BS1204: Part 1: 1990, Type W-P.
6. All timber to be treated in accordance with the British Wood Preservative and Damp-proofing Association Commercial Specification C8 for 40 years desired service life.

Notes for Fire Resistance

1. These notes are to be read in conjunction with relevant architect's services engineer's drawings and specifications.
2. All habitable doors to stairs enclosure and the kitchen to be filled with self-closing devices.
3. Any glazing within the stair enclosure, including glazing to doors, to be fire-resisting.
4. Main powered interconnected smoke alarms to be provided to entrance lobby and all stairs landings.
5. Class 1 flame spread to be provided to all new walls and ceilings.

Notes for Masonry

1. These notes are to be read in conjunction with relevant architect's services engineer's drawings and specifications.
2. All brickwork shall comply with PD 6697:2010, BS EN 1996-3:2006, BS EN 1996-2:2006, BS EN 1996-1-1:2005+A1:2012 .
3. All bricks shall have a minimum crushing strength of 20N/mm².
4. Blockwork shall have a minimum crushing strength of 7N/mm².
5. Mortar shall be a Class (ii) cement: lime putty: sand mix (1:1/2:4), unless indicated otherwise.
6. All vertical joints shall be completely filled. Bricks shall be laid frog up. The voids

in perforated bricks shall be filled.

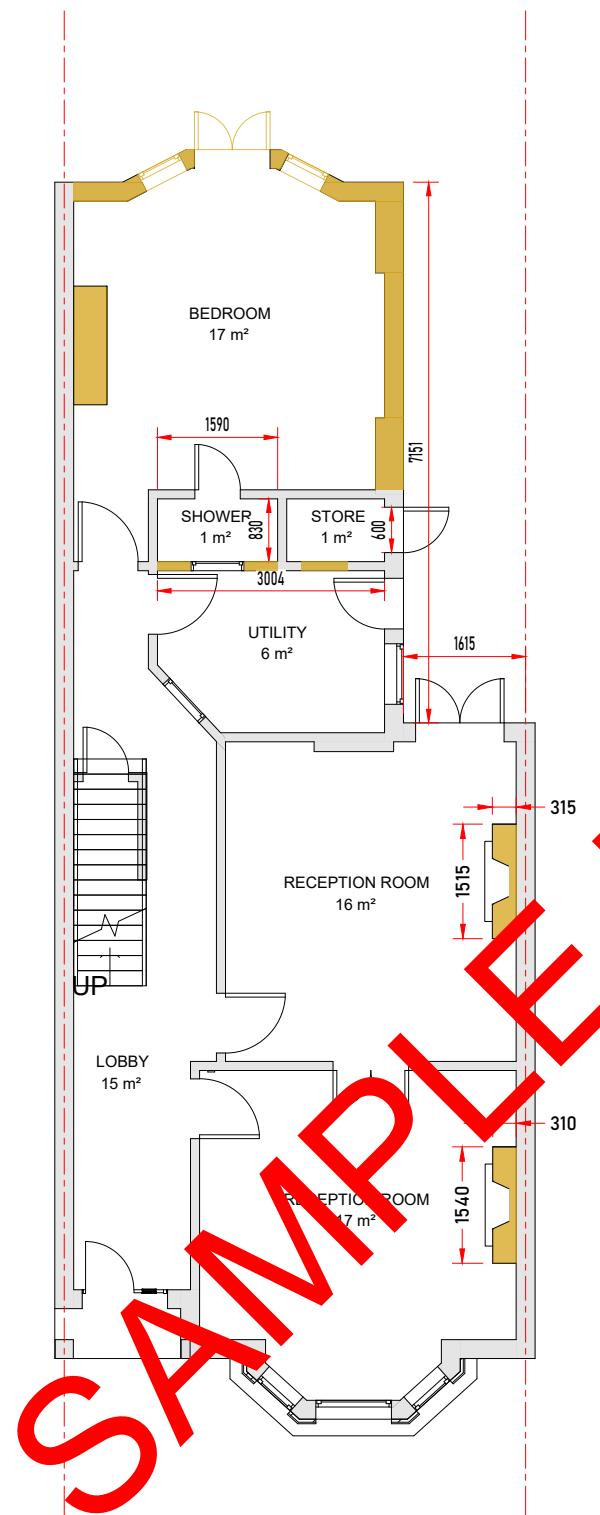
7. Fissured bricks or bricks with voids shall not be used.

8. Horizontal chases are prohibited. Vertical chases and builderswork holes shall be agreed with the architect.

Notes for Structural Steelwork

1. These notes are to be read in conjunction with relevant architect's and services engineer's drawings and specifications.
2. All steelwork shall comply with BS EN 1993-1-1:2005, BS EN 1993-1-5:2006, BS EN 1993-1-10:2005, BS EN 1993-5:2007, BS EN 1993-6:2007, BS EN 1993-1-8:2005.
3. Unless noted otherwise stipulated structural steelwork shall conform to BS EN: Weldable structural steels.
4. Unless noted otherwise all steel shall be grade S355. Steel grade shall conform with EC-3.
5. Unless noted otherwise all butt welds shall be full penetration.
6. Unless noted otherwise all fillet welds shall be full profile with a minimum leg length of 6mm.
7. Unless noted otherwise all ordinary bolt assemblies shall be Grade 8.8.
8. Unless noted otherwise all bolts shall be M16.
9. Unless noted otherwise all holding down bolts shall be M16 Grade 8.8 anchored a minimum of 200mm depth into the supporting concrete with a 100 x 100 x 8 thick washer plate at the embedded head of the bolt.
10. The clearance of base plates from supporting concrete shall be a minimum of 20mm and on completion of erection this shall be grouted solid under the full area of the base plate with 1:2 sand: cement grout.
11. Corrosion protection:
 - a) Surface protection - blast clean to SA 2.5 quality BS EN ISO 8501-1.
 - b) Prefabricator primer - epoxy zinc phosphate hb: 50 microns (DFT).
 - c) Finishing coat - see arch's spec.
 - d) See arch's specification for details on colour and texture.
12. Fire protection:
30min - One layer of plasterboard and skim coat or intumescent paint to manufacturer's specification.
60min - Two layers of plasterboard with joints staggered and skim coat or intumescent paint to manufacturer's specification.
13. Weather protection: Any steelwork exposed to external weather is either to be galvanized or stainless steel UNO.
14. All steel beams carrying load-bearing masonry walls wider than their flanges are to have 12mm thick top/bottom flange plates continuously welded along the length to suit the wall width UNO.

SAMPLE PROJECT



PROPOSED GROUND FLOOR DEMOLITION PLAN

Scale: 1:100 @ A3

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

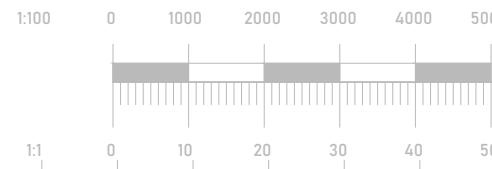
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

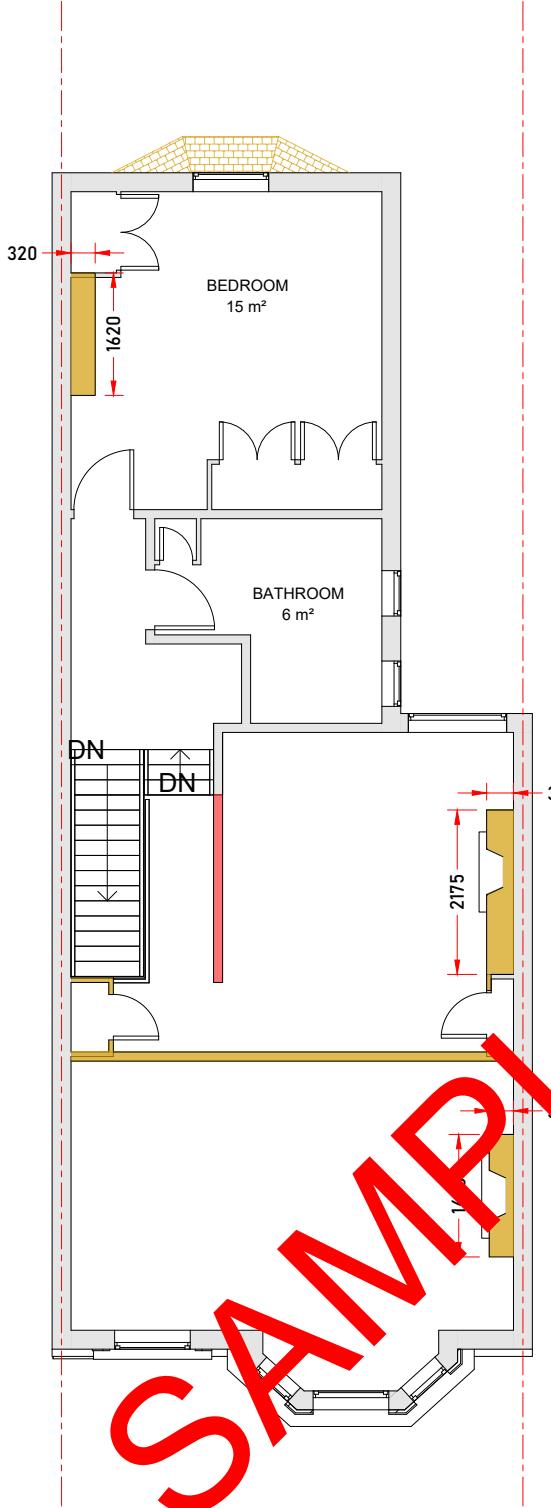
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW





PROPOSED FIRST FLOOR DEMOLITION PLAN

Scale: 1:100 @ A3

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

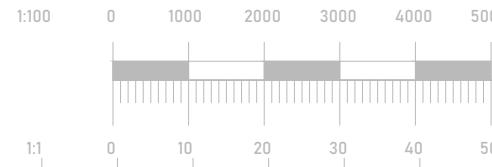
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW



NEW STRIP FOUNDATIONS TO BE 600W FOUNDATION FORMED IN MASS CONCRETE (MIN CONCRETE GRADE C25/30). DEPTH IS SUBJECT TO BUILDING CONTROL'S APPROVAL AND GROUND CONDITIONS(MIN. 1000mm). FORM 75mm SOFT JOINT BETWEEN THE EXISTING AND NEW FOUNDATIONS USING 'CLAYMASTER' OR SIMILAR APPROVED.

UNDERFLOOR HEATING SYSTEM TO BE PROVIDED BY THE UFH SPECIALIST.

ALL NEW JOISTS ARE TO BE SUPPORTED BY LOAD-BEARING MASONRY WALLS AND TIMBER/STEEL BEAMS. USE WIDTH ADJUSTABLE SDE FACE FIX JOIST HANGERS FOR TIMBER TO TIMBER, AND JHM FOR TIMBER TO MASONRY BY 'SIMPSON' OR SIMILAR APPROVED.

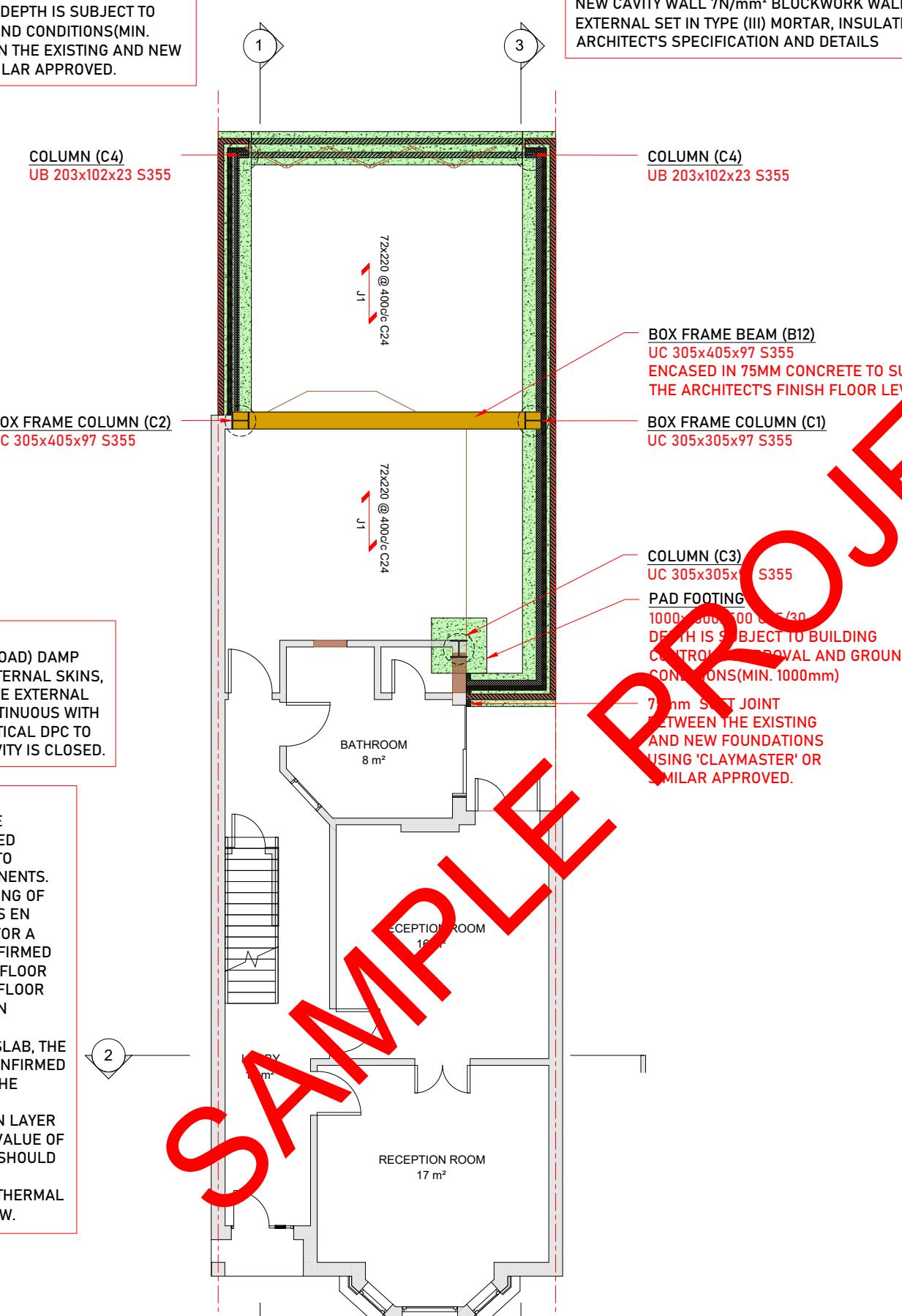
72 X 220mm TREATED C24 TIMBER FLOORJOISTS @ 400mm CENTRES. FIT 150mm CELOTEX OR SIMILAR INSULATION BETWEEN JOISTS SUPPORTED WITH TREATED TIMBER BATTENS. OVERDECK WITH 22MM TONGUED AND GROOVED FLOORING GARDE CHIPBOARD.

NEW TIMBER FLOOR TO MATCH THE EXISTING FLOOR. AND ALLOWANCE SHOULD BE KEPT FOR THE UNDERFLOOR HEATING SYSTEM

DPC
PROVIDE HORIZONTAL STRIP POLYMER (HYLOAD) DAMP PROOF COURSE TO BOTH INTERNAL AND EXTERNAL SKINS, DPC TO BE PLACED A MINIMUM 150MM ABOVE EXTERNAL GROUND LEVEL. NEW DPC TO BE MADE CONTINUOUS WITH EXISTING DPC'S AND WITH FLOOR DPM. VERTICAL DPC TO BE INSTALLED AT ALL REVEALS WHERE CAVITY IS CLOSED.

WET UNDERFLOOR FLOOR HEATING
UNDERFLOOR HEATING INSTALLATION TO BE DESIGNED AND SPECIFIED AS AN INTEGRATED PACKAGE BY THE SYSTEM MANUFACTURER TO ENSURE COMPATIBILITY OF ALL THE COMPONENTS. PIPEWORK LOOPS DESIGN, LAYOUT AND SIZING OF THE SYSTEM TO BE IN ACCORDANCE WITH BS EN 1264[1-5]. THE MOST APPROPRIATE LAYOUT FOR A PARTICULAR APPLICATION SHOULD BE CONFIRMED BY THE SYSTEM MANUFACTURER. MAXIMUM FLOOR TEMPERATURE TO BE 29°C, OR 27°C WHERE FLOOR TILING OR RESILIENT FLOOR IS PROPOSED IN COMPLIANCE WITH BS EN1264-2[1]. INSULATION TO BE APPLIED TO THE FLOOR SLAB, THE INSULATION TYPE AND THICKNESS TO BE CONFIRMED BY CALCULATIONS, TAKING INTO ACCOUNT THE SPECIFIC SHAPE AND SIZE OF THE FLOOR. THE RESISTANCE VALUE OF THE INSULATION LAYER TO BE AT LEAST 10 TIMES THE RESISTANCE VALUE OF THE FLOOR FINISH. INTERMEDIATE FLOORS SHOULD HAVE A LAYER OF INSULATION TO REDUCE DOWNWARDS HEAT TRANSMISSION WITH A THERMAL RESISTANCE OF NOT LESS THAN 0.75(M² · K)/W.

NEW CAVITY WALL 7N/mm² BLOCKWORK WALL BOTH LEAF INTERNAL & EXTERNAL SET IN TYPE (III) MORTAR, INSULATION AND EXTERNAL LEAF TO ARCHITECT'S SPECIFICATION AND DETAILS



PROSED GROUND FLOOR FOUNDATION PLAN

Scale: 1:100 @ A3

STEELWORK SCHEDULE

Note : All steel grade to be S355 U.N.O

| Ref N°: | Section Size | Comments |
|--------------------|-----------------|----------|
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

TIMBER SCHEDULE

N.B All timber to be C24 Grade U.N.O

| Ref N°: | Section Size |
|---------|---------------------------------|
| EXTG. | EXISTING JOIST/RAFTER DIRECTION |

| | |
|----|---------------------|
| J1 | 72x220 @ 400c/c C24 |
|----|---------------------|

PD PADSTONE SCHEDULE

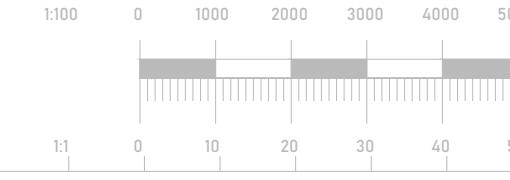
| Ref N°: | Section Size |
|---------|------------------------|
| PD1 | 440(lg)x100(w)x215(dp) |

L LINTEL SCHEDULE

| Ref N°: | Section Size |
|---------|--|
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW



ALL NEW JOISTS ARE TO BE SUPPORTED BY LOAD-BEARING MASONRY WALLS AND TIMBER/STEEL BEAMS. USE WIDTH ADJUSTABLE SDE FACE FIX JOIST HANGERS FOR TIMBER TO TIMBER, AND JHM FOR TIMBER TO MASONRY BY 'SIMPSON OR SIMILAR APPROVED.

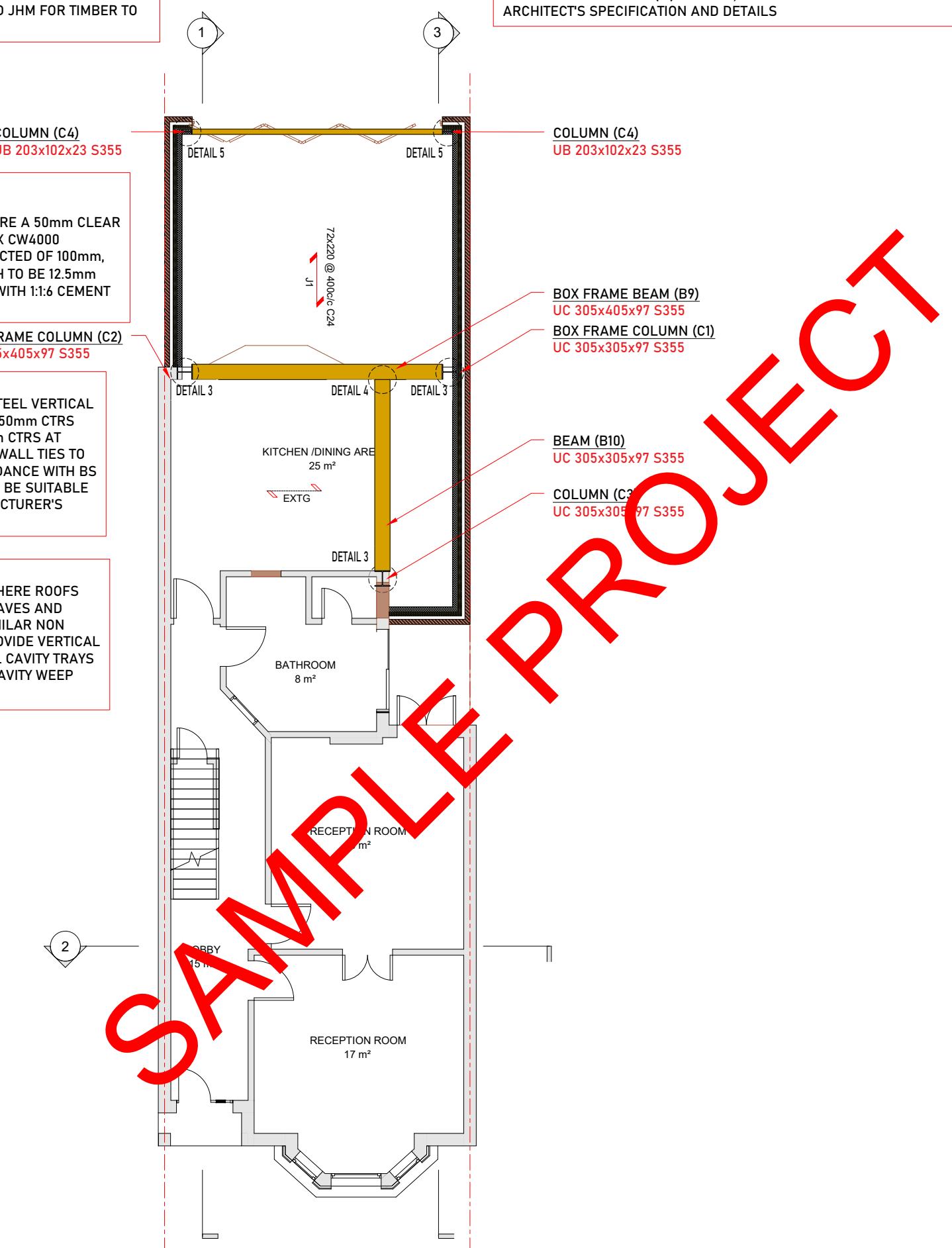
NEW CAVITY WALL 7N/mm² BLOCKWORK WALL BOTH LEAF INTERNAL & EXTERNAL SET IN TYPE (III) MORTAR, INSULATION AND EXTERNAL LEAF TO ARCHITECT'S SPECIFICATION AND DETAILS

PARTIAL FILL CAVITY WALL
TO ACHIEVE MINIMUM U VALUE OF 0.18 W/M²K
PROVIDE 103mm SUITABLE FACING BRICK. ENSURE A 50mm CLEAR RESIDUAL CAVITY AND PROVIDE 100mm CELOTEX CW4000 INSULATION FIXED TO INTERNAL LEAF CONSTRUCTED OF 100mm, 0.45 W/m²K STANDARD BLOCK. INTERNAL FINISH TO BE 12.5mm PLASTERBOARD ON DABS. WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR.

BOX FRAME COLUMN (C2)
UC 305x405x97 S355

WALL TIES
ALL WALLS CONSTRUCTED USING STAINLESS STEEL VERTICAL TWIST TYPE RETAINING WALL TIES BUILT IN AT 750mm CTRS HORIZONTALLY, 450mm VERTICALLY AND 225mm CTRS AT REVEALS AND CORNERS IN STAGGERED ROWS. WALL TIES TO BE SUITABLE FOR CAVITY WIDTH AND IN ACCORDANCE WITH BS EN 84. WALL TIES FOR CAVITIES OVER 150mm TO BE SUITABLE FOR CAVITY WIDTH, AND INSTALLED AS MANUFACTURER'S DETAILS.

CAVITIES
PROVIDE CAVITY TRAYS OVER OPENINGS AND WHERE ROOFS ABUT WALLS. ALL CAVITIES TO BE CLOSED AT EAVES AND AROUND OPENINGS USING THERMABATE OR SIMILAR NON COMBUSTIBLE INSULATED CAVITY CLOSERS. PROVIDE VERTICAL DPCS AROUND OPENINGS AND ABUTMENTS. ALL CAVITY TRAYS MUST HAVE 150mm UPSTANDS AND SUITABLE CAVITY WEEP HOLES (MIN 2) AT MAX 900mm CENTRES.



PROPOSED GROUND FLOOR PLAN SHOWING
STRUCTURAL ELEMENT AT THE CEILING LEVEL Scale: 1:100 @ A3

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
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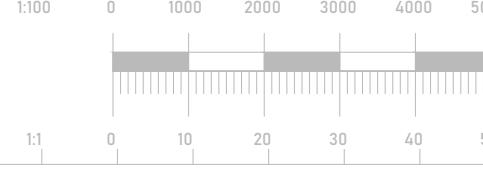
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW



VENTILATED FLAT ROOF
TO ACHIEVE U VALUE OF 0.15 W/m²K

FLAT ROOF TO BE SINGLE PLY MEMBRANE ROOFING WITH AA FIRE RATING AS SPECIALIST SPECIFICATION, WITH A CURRENT BBA OR WIMLAS CERTIFICATE ON 22mm EXTERIOR GRADE PLYWOOD, LAID ON FIRRINGS TO GIVE A 1:40 FALL. CROSS-VENTILATION TO BE PROVIDED ON OPPOSING SIDES BY A PROPRIETARY EAVES VENTILATION STRIP EQUIVALENT TO 25mm CONTINUOUS WITH FLY PROOF SCREEN. FLAT ROOF INSULATION IS TO BE CONTINUOUS WITH THE WALL INSULATION BUT STOPPED BACK TO ALLOW A CONTINUOUS 50mm AIR GAP ABOVE THE INSULATION FOR VENTILATION. INSULATION TO BE 150mm CELOTEX XR4000 BETWEEN JOISTS AND 40mm TB4000 UNDER JOISTS. CEILING CONSTRUCTION TO BE 12.5mm PLASTERBOARD OVER VAPOUR BARRIER WITH SKIM PLASTER FINISH.
PROVIDE CAVITY TRAY WHERE ROOF MEETS EXISTING WALL. PROVIDE RESTRAINT TO FLAT ROOF BY FIXING USING OF 30 X 5 X 1200mm MS GALVANISED LATERAL RESTRAINT STRAPS AT MAXIMUM 2000MM CENTRES FIXED TO 100 X 50MM WALL PLATES AND ANCHORED TO WALL.

NEW STEEL BEAMS TO BE ENCASED IN 12.5mm GYPROC FIRELINE BOARD WITH STAGGERED JOINTS, GYPROC FIRECASE OR PAINTED IN NULLIFIRE S OR SIMILAR INTUMESCENT PAINT TO PROVIDE 1/2 HOUR FIRE RESISTANCE, AS AGREED WITH BUILDING CONTROL. ALL FIRE PROTECTION TO BE INSTALLED AS DETAILED BY SPECIALIST MANUFACTURER.

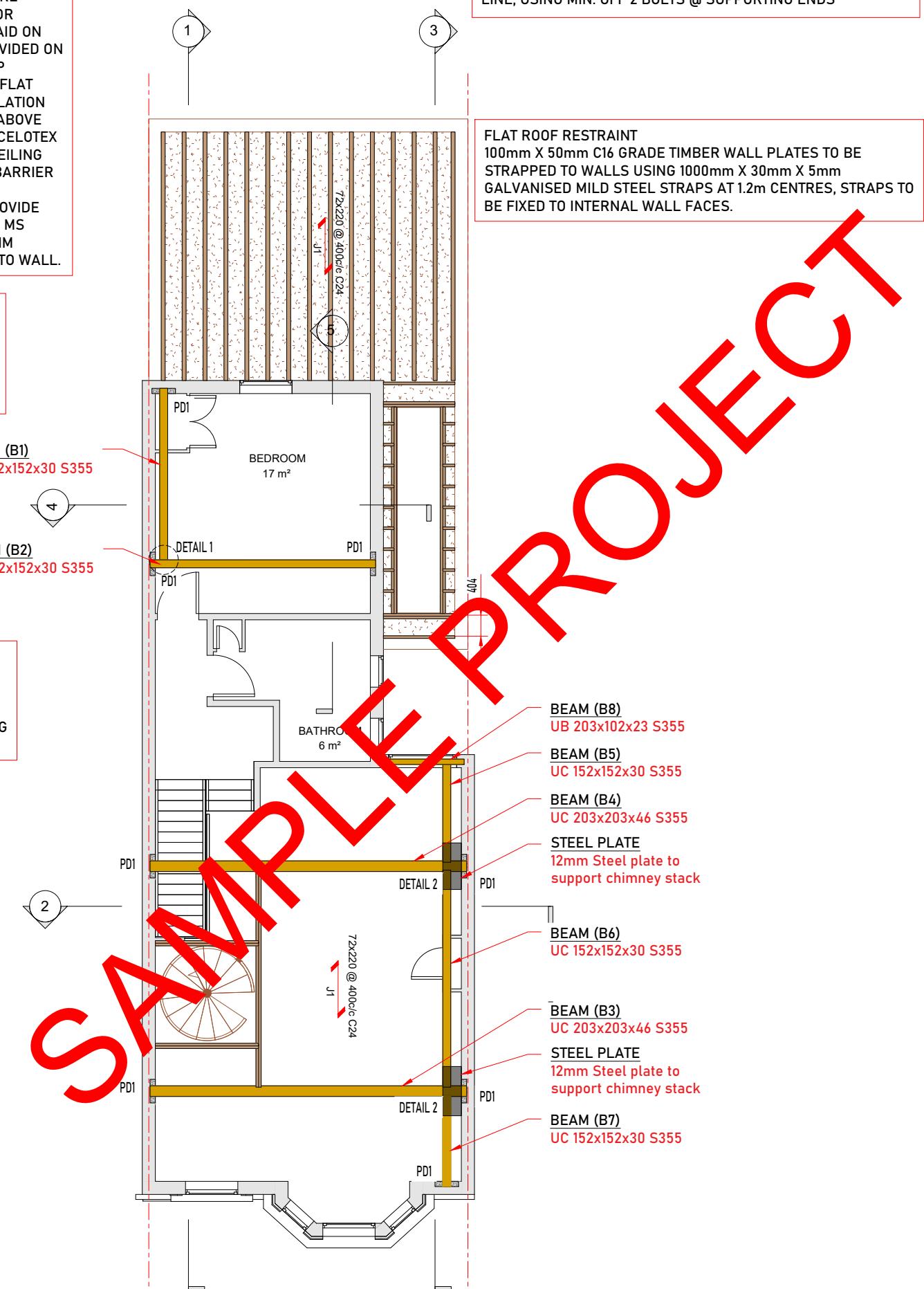
BEAM (B1)
UC 152x152x30 S355

BEAM (B2)
UC 152x152x30 S355

EXISTING STRUCTURE
EXISTING STRUCTURE INCLUDING FOUNDATIONS, BEAMS, WALLS AND LINTELS CARRYING NEW AND ALTERED LOADS ARE TO BE EXPOSED AND CHECKED FOR ADEQUACY PRIOR TO COMMENCEMENT OF WORK AND AS REQUIRED BY THE BUILDING CONTROL OFFICER.

STAIRCASE TO BE DESIGNED BY SPECIALIST AND IF SUPPORT FOR STAIRCASE IS FOUND IS INADEQUATE REPORT BACK TO ISDB.

ALL (R) RAFTERS/JOISTS WHICH ARE SHOWN TO BE DOUBLED / TRIPLED ARE TO BE BOLTED TOGETHER USING GRADE 8.8 M10 BOLTS @ 350mm CENTRES STAGGERED 55mm OFF THE CENTRE LINE, USING MIN. OFF 2 BOLTS @ SUPPORTING ENDS



PROPOSED FIRST FLOOR PLAN SHOWING
STRUCTURAL ELEMENT AT THE CEILING LEVEL

Scale: 1:100 @ A3

STEELWORK SCHEDULE

Note : All steel grade to be S355 U.N.O

| Ref N°: | Section Size | Comments |
|-------------|-----------------|----------|
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| BEAM 'B2' | I UC 152x152x30 | |
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| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
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| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

TIMBER SCHEDULE

N.B All timber to be C24 Grade U.N.O

| Ref N°: | Section Size |
|---------|---------------------------------|
| EXTG. | EXISTING JOIST/RAFTER DIRECTION |

J1 72x220 @ 400c/c C24

PADSTONE SCHEDULE

| Ref N°: | Section Size |
|---------|------------------------|
| PD1 | 440(lg)x100(w)x215(dp) |

LINTEL SCHEDULE

| Ref N°: | Section Size |
|---------|--|
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW

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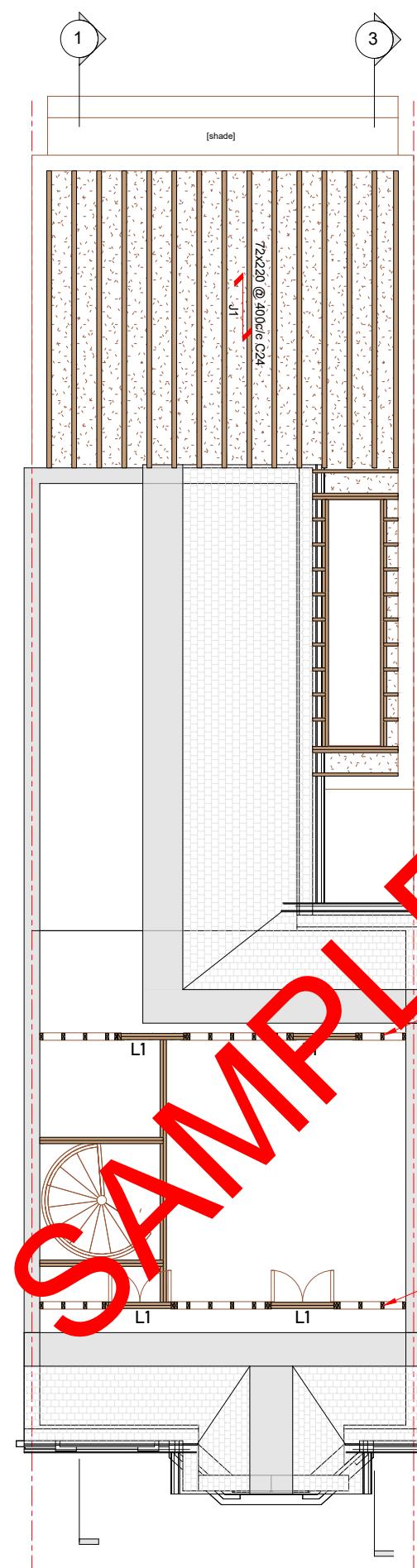
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ALL (R) RAFTERS/JOISTS WHICH ARE SHOWN TO BE DOUBLED / TRIPLED ARE TO BE BOLTED TOGETHER USING GRADE 8.8 M10 BOLTS @ 350mm CENTRES STAGGERED 55mm OFF THE CENTRE LINE, USING MIN. OFF 2 BOLTS @ SUPPORTING ENDS

STAIRCASE TO BE DESIGNED BY SPECIALIST AND IF SUPPORT FOR STAIRCASE IS FOUND IS INADEQUATE REPORT BACK TO 1SDB.

LOFT WALLS
TO ACHIEVE MINIMUM U VALUE OF 0.18 W/m²K CONSTRUCT STUD WALL USING 100mm X 50mm HEAD AND SOLE PLATES AND VERTICAL STUDS (WITH NOGGINS) AT 350MM CENTRES. INSULATION TO BE 90mm CELOTEX GA4000 BETWEEN STUDS WITH 50mm CELOTEX GA4000 OVER. PROVIDE VCL AND 12.5mm PLASTERBOARD OVER INTERNAL FACE OF INSULATION. FINISH WITH 3mm SKIM COAT OF FINISHING PLASTER ALL JUNCTIONS TO HAVE WATER TIGHT CONSTRUCTION, SEAL ALL PERIMETER JOINTS WITH TAPE INTERNALLY AND WITH SILICON SEALANT EXTERNALLY.

SMOKE DETECTION
MAINS OPERATED LINKED SMOKE ALARM DETECTION SYSTEM TO BS EN 14604 AND BS 5839-6:2019 TO AT LEAST A GRADE D CATEGORY LD3 STANDARD. SYSTEM TO BE MAINS POWERED WITH BATTERY BACK UP. SMOKE ALARMS SHOULD BE SITED SO THAT THERE IS A SMOKE ALARM IN THE CIRCULATION SPACE ON ALL LEVELS/STOREYS AND WITHIN 3m OF THE DOOR TO EVERY HABITABLE ROOM. IF CEILING MOUNTED THEY SHOULD BE 300MM FROM THE WALLS AND LIGHT FITTINGS.
MAINS-WIRED, INTERLINKED HEAT DETECTOR TO BE PROVIDED TO THE KITCHEN AND SMOKE DETECTORS TO PRINCIPAL LIVING ROOMS, IF REQUIRED BY BUILDING CONTROL.



PROPOSED LOFT FLOOR STRUCTURAL PLAN

Scale: 1:100 @ A3

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

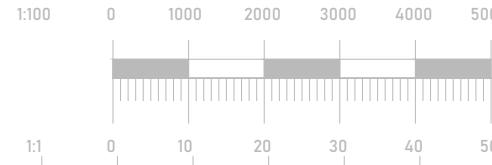
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

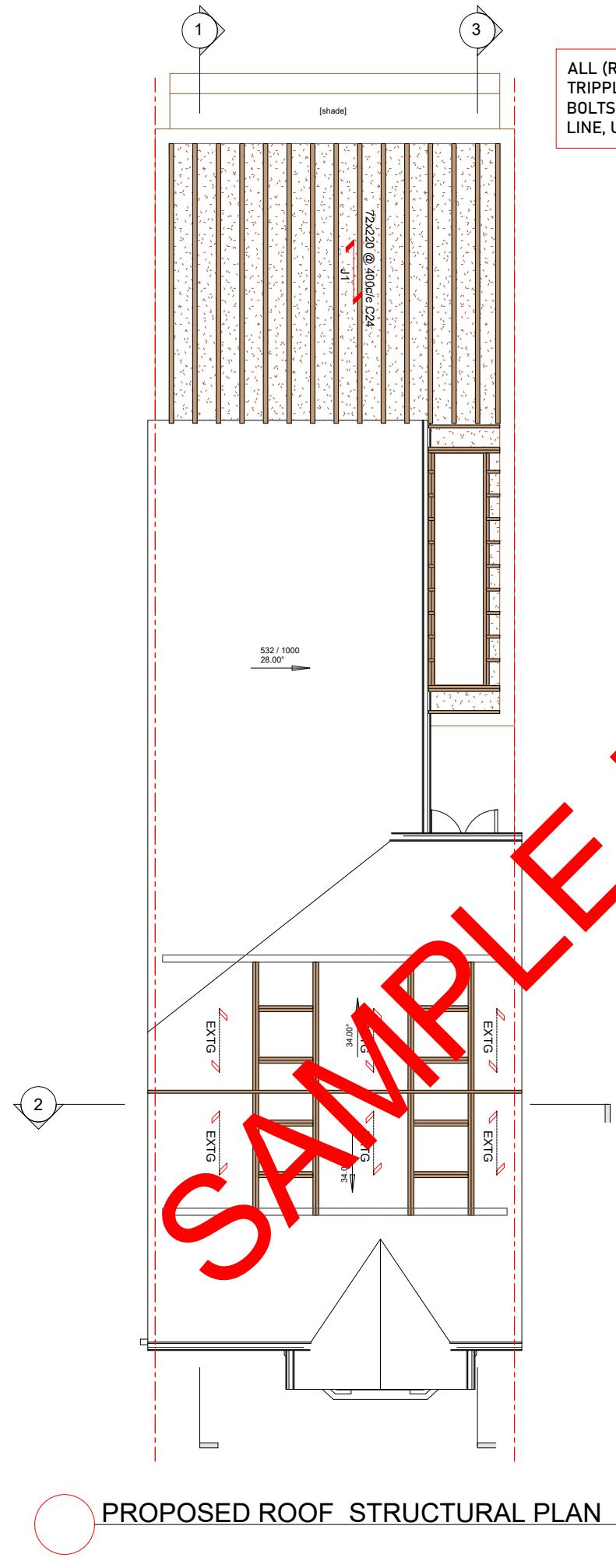
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING **DEMOLISHED** **NEW**





ALL (R) RAFTERS/JOISTS WHICH ARE SHOWN TO BE DOUBLED / TRIPLED ARE TO BE BOLTED TOGETHER USING GRADE 8.8 M10 BOLTS @ 350mm CENTRES STAGGERED 55mm OFF THE CENTRE LINE, USING MIN. OFF 2 BOLTS @ SUPPORTING ENDS

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

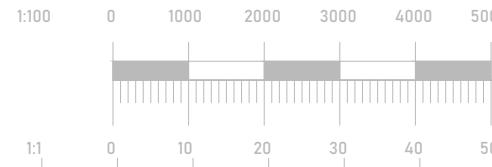
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

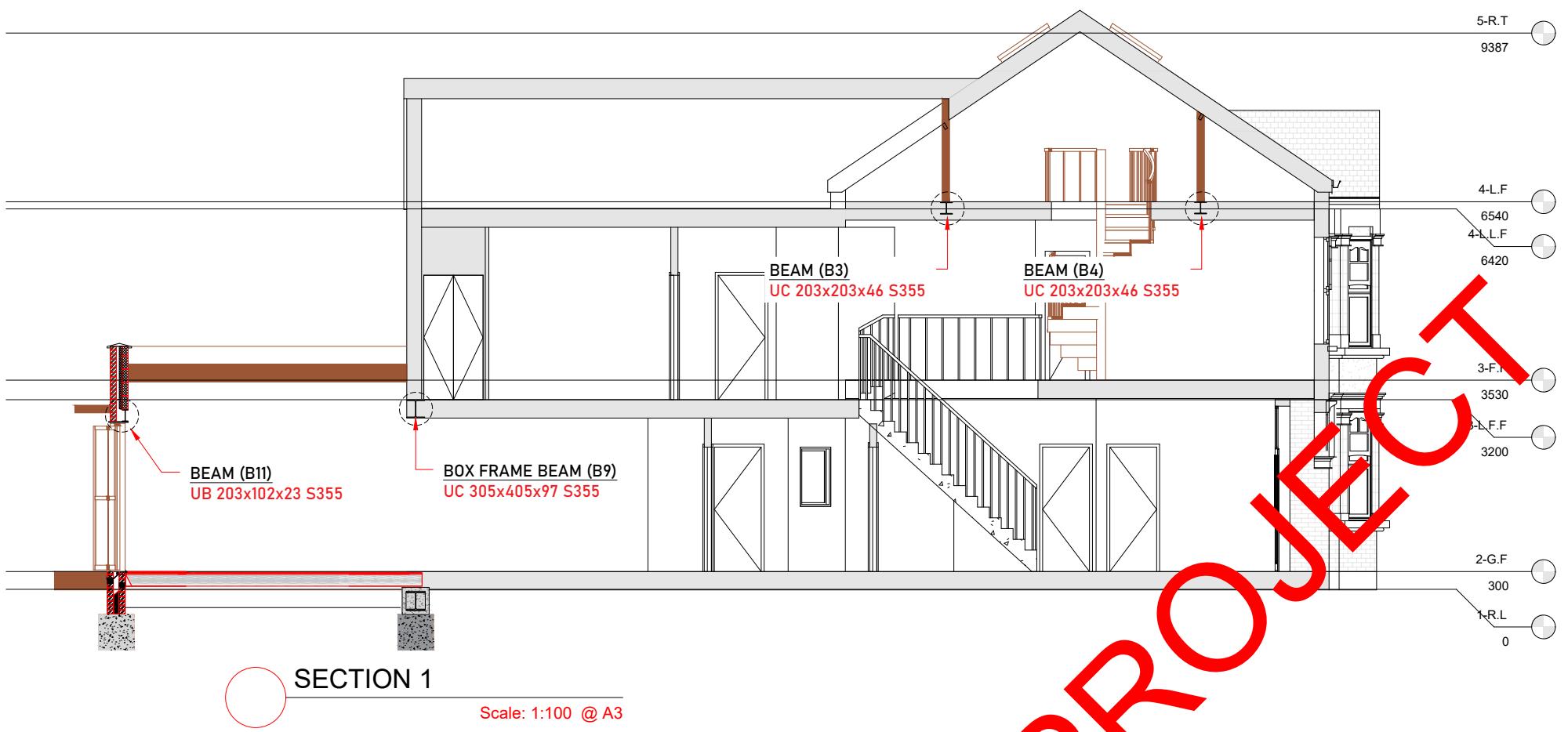
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW





SECTION 1

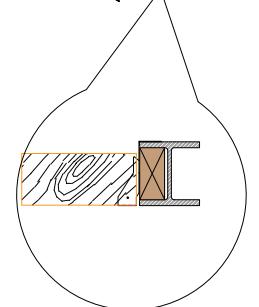
Scale: 1:100 @ A3

SECTION 2

Scale: 1:20 @ A3

BEAM
'B3' UC
203x203x46

BEAM
'B6' UC
152x152x30



| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

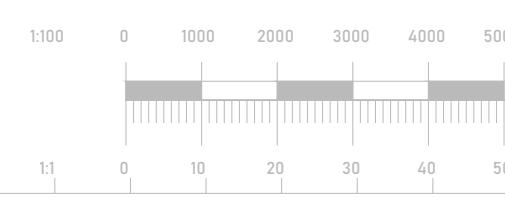
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

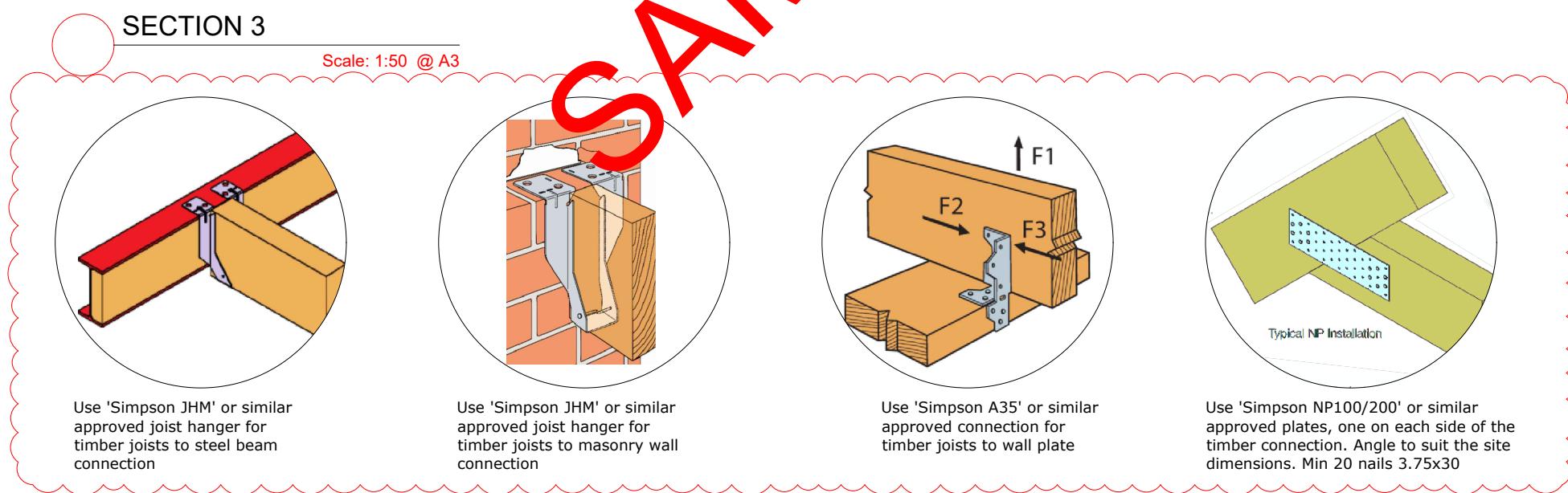
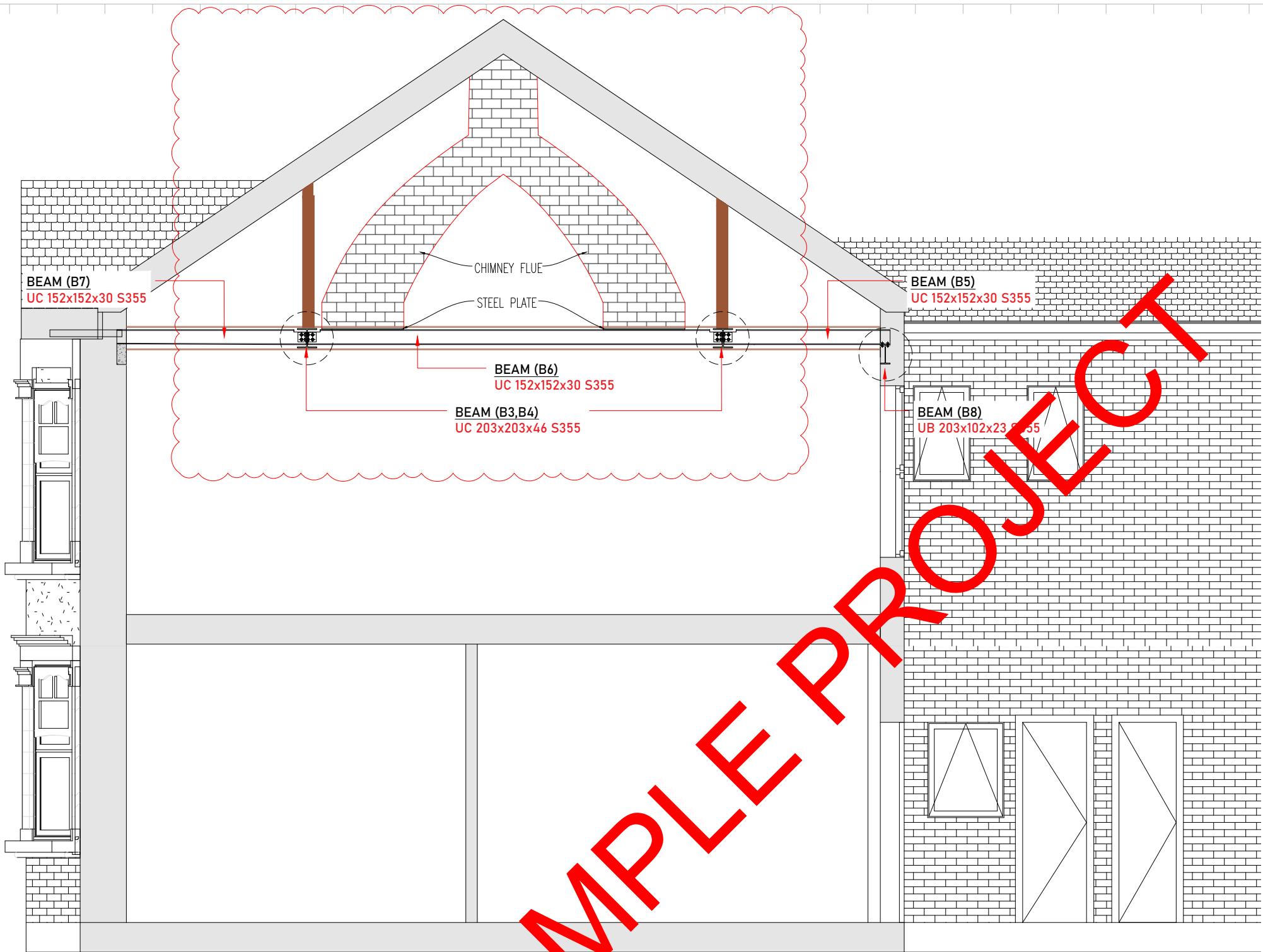
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW





| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

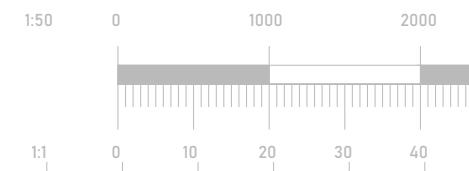
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

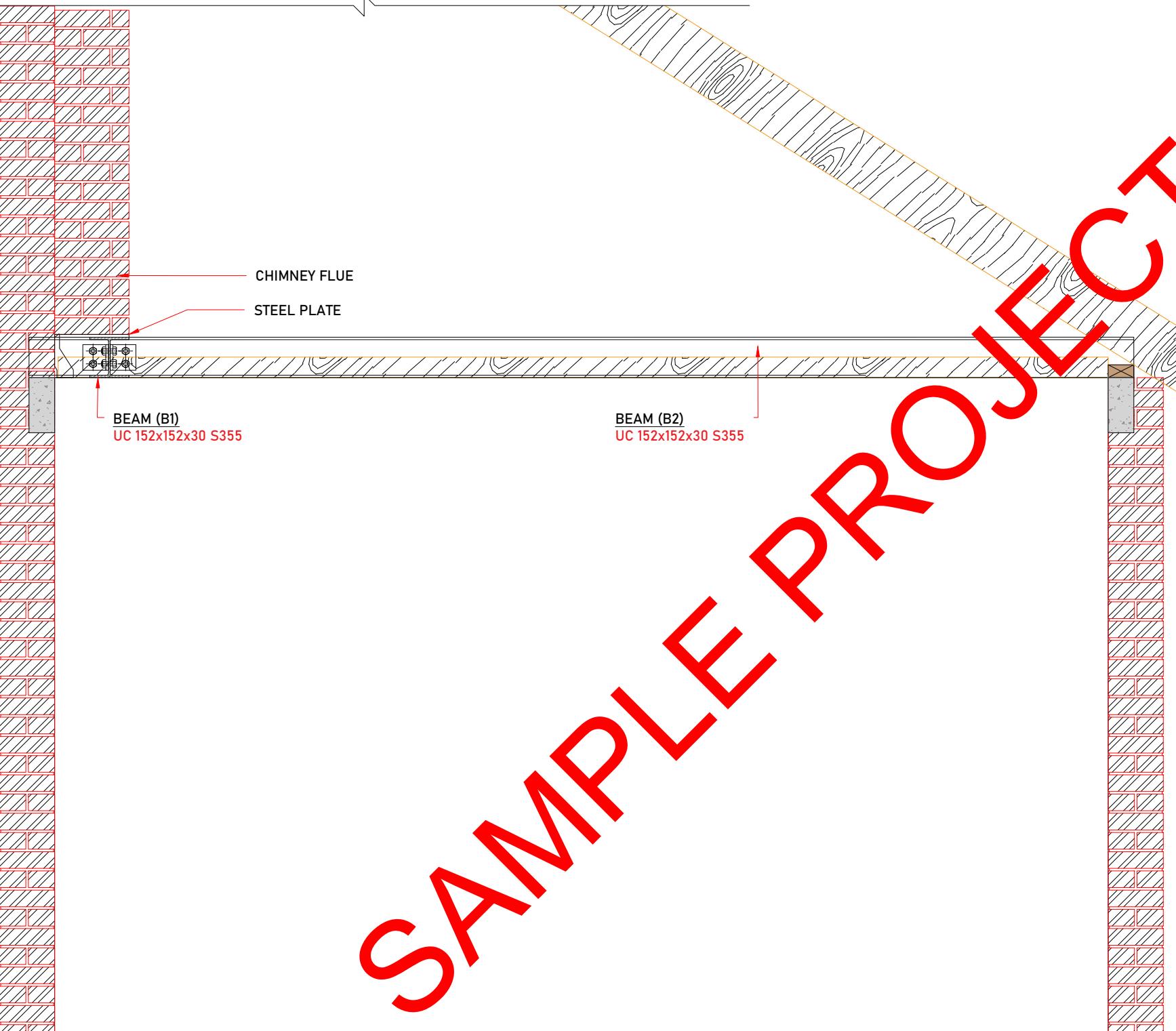
| | |
|---------|------------------------|
| PD | PADSTONE SCHEDULE |
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| | |
|---------|--|
| L | LINTEL SCHEDULE |
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW





SECTION 4

Scale: 1:20 @ A3

| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

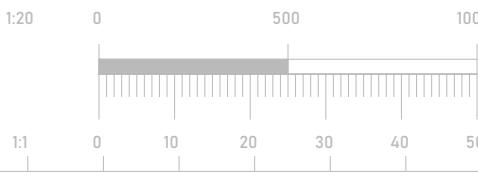
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

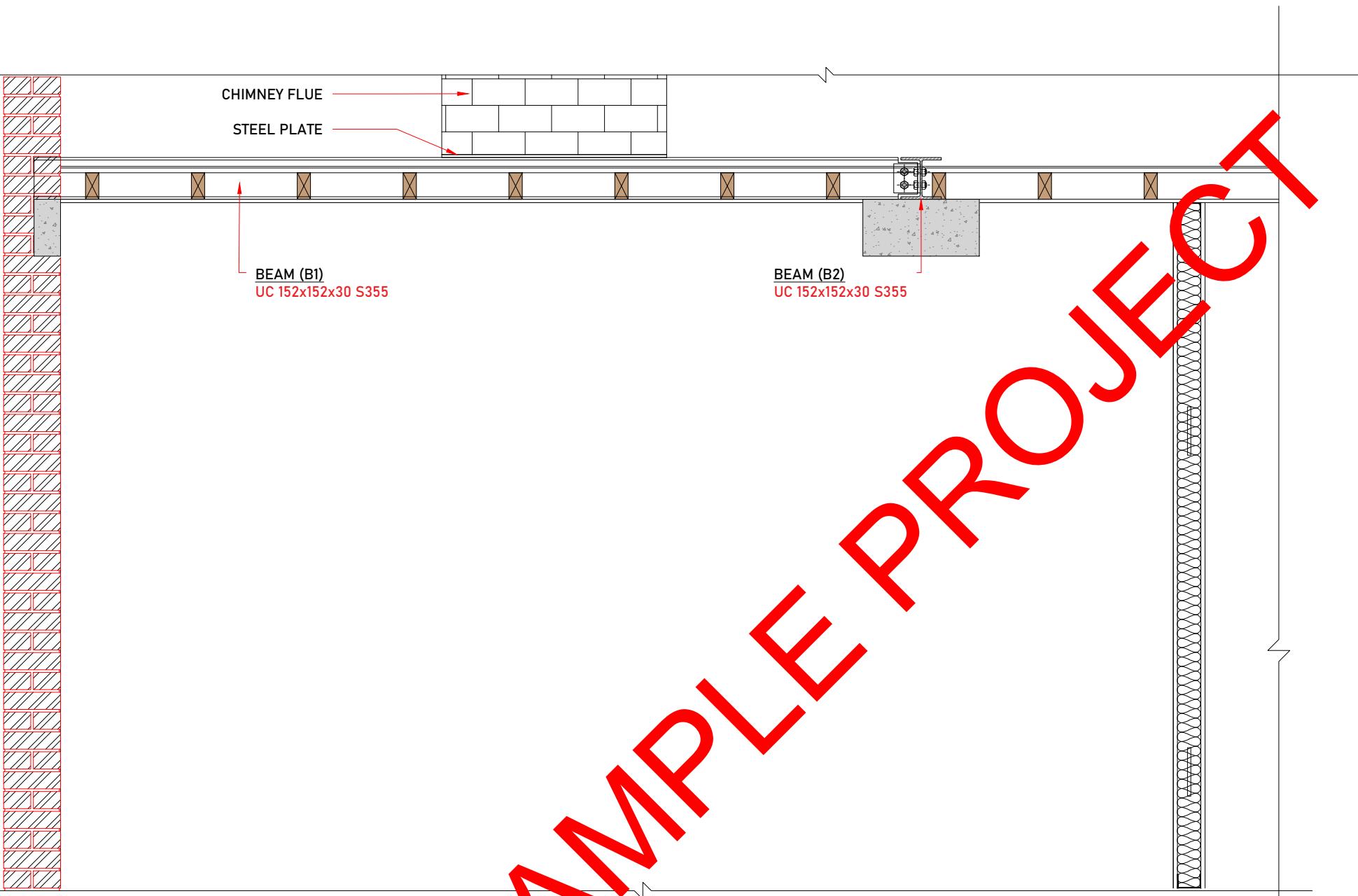
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

EXISTING DEMOLISHED NEW





| STEELWORK SCHEDULE | | |
|---|-----------------|----------|
| Note : All steel grade to be S355 U.N.O | | |
| Ref N°: | Section Size | Comments |
| STEEL BEAMS | | |
| BEAM 'B1' | I UC 152x152x30 | |
| BEAM 'B2' | I UC 152x152x30 | |
| BEAM 'B3' | I UC 203x203x46 | |
| BEAM 'B4' | I UC 203x203x46 | |
| BEAM 'B5' | I UC 152x152x30 | |
| BEAM 'B6' | I UC 152x152x30 | |
| BEAM 'B7' | I UC 152x152x30 | |
| BEAM 'B8' | I UB 203x102x23 | |
| BEAM 'B9' | I UC 305x305x97 | |
| BEAM 'B10' | I UC 305x305x97 | |
| BEAM 'B11' | I UB 203x102x23 | |
| BEAM 'B12' | I UC 305x305x97 | |
| COLUMN 'C1' | I UC 305x305x97 | |
| COLUMN 'C2' | I UC 305x305x97 | |
| COLUMN 'C3' | I UC 305x305x97 | |
| COLUMN 'C4' | I UB 203x102x23 | |
| COLUMN 'C5' | I UB 203x102x23 | |

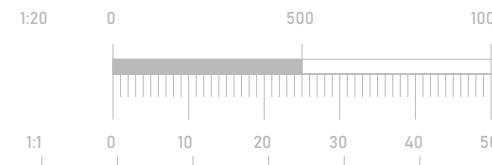
| TIMBER SCHEDULE | | |
|--------------------------------------|---------------------------------|--|
| N.B All timber to be C24 Grade U.N.O | | |
| Ref N°: | Section Size | |
| EXTG. | EXISTING JOIST/RAFTER DIRECTION | |
| J1 | 72x220 @ 400c/c C24 | |

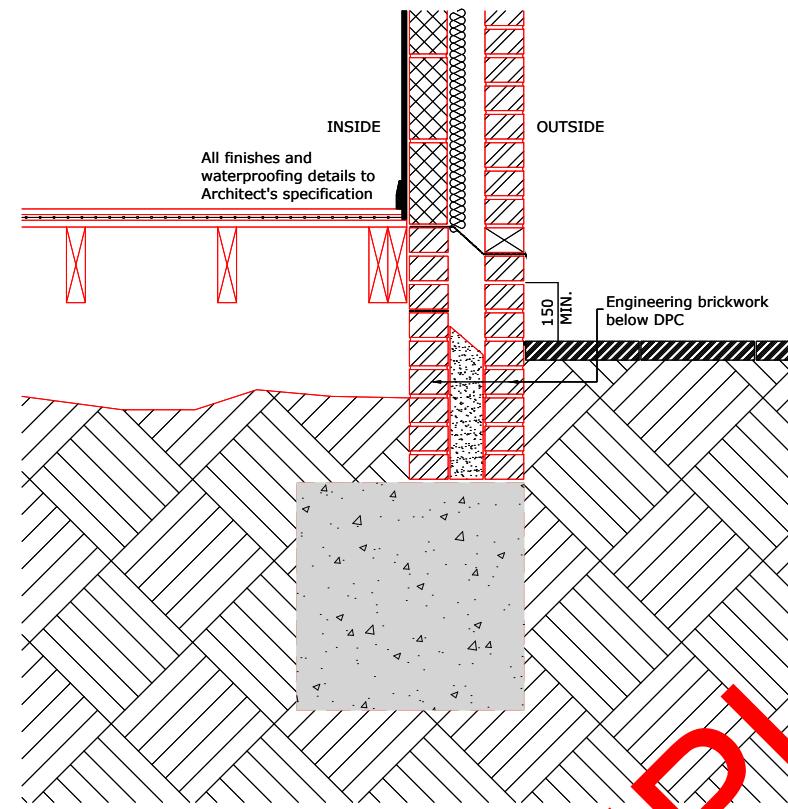
| PD | PADSTONE SCHEDULE |
|---------|------------------------|
| Ref N°: | Section Size |
| PD1 | 440(lg)x100(w)x215(dp) |

| L | LINTEL SCHEDULE |
|---------|--|
| Ref N°: | Section Size |
| L1 | C24 2X50X200 TIMBER LINTEL BOLTED TOGETHER |

ALL STEEL BEAMS CARRYING LOAD-BEARING MASONRY WALLS WIDER THAN THEIR FLANGES ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE PLATES CONTINUOUSLY WELDED ALONG THE LENGTH TO SUIT THE WALL WIDTH U.N.O

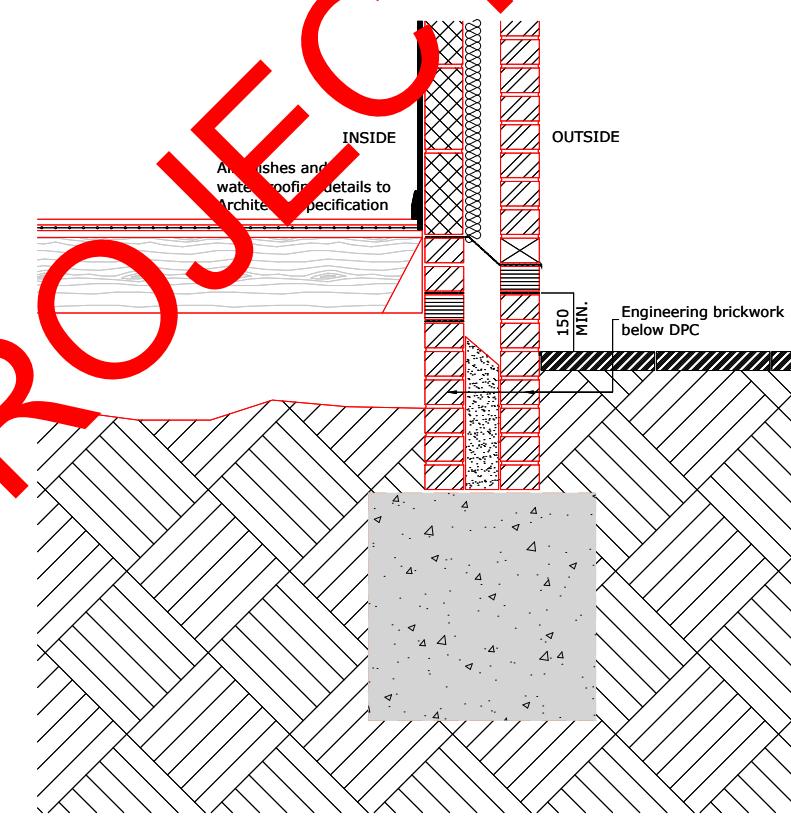
EXISTING DEMOLISHED NEW





 TYPICAL TIMBER FLOOR AND FOUNDATION DETAIL
AT PARTY WALL

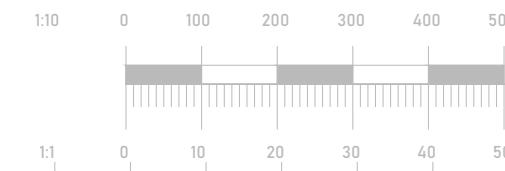
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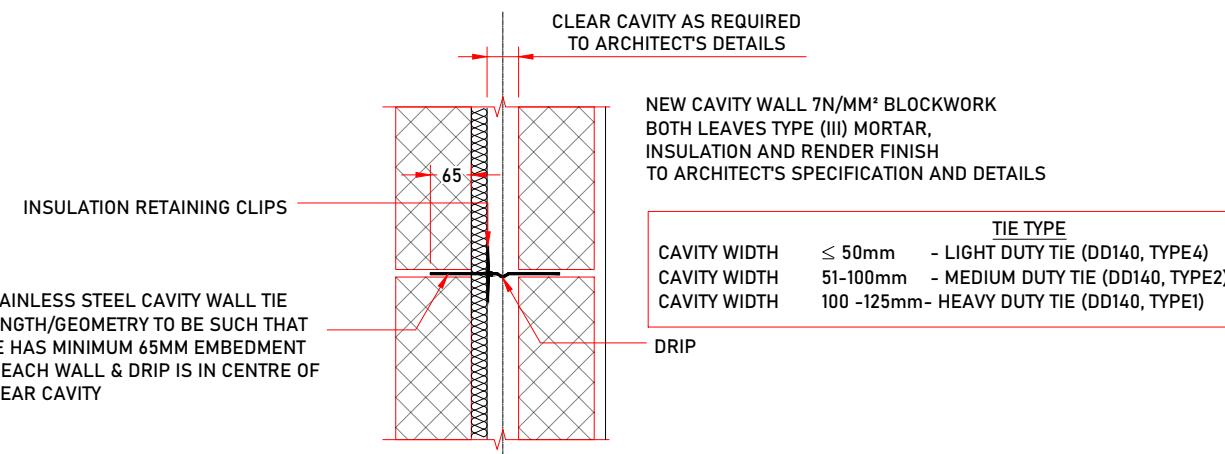


 TYPICAL TIMBER FLOOR AND FOUNDATION DETAIL

Scale: 1:20 @ A3

SAMPLE PROJECT

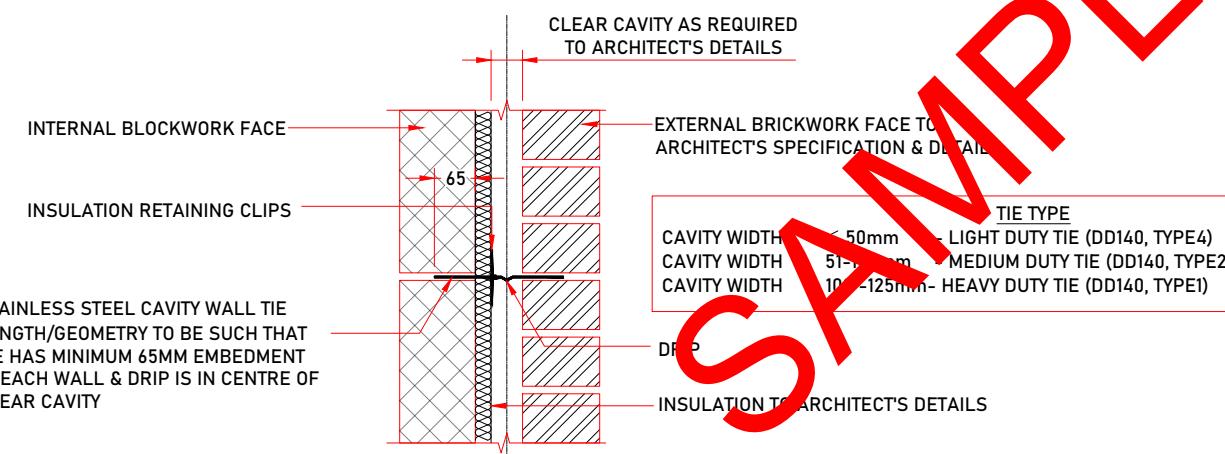




TYPICAL SECTION THROUGH CAVITY WALL

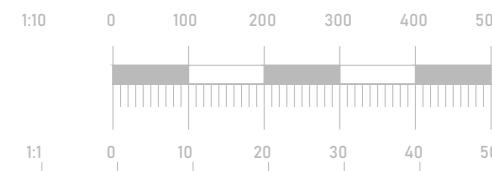
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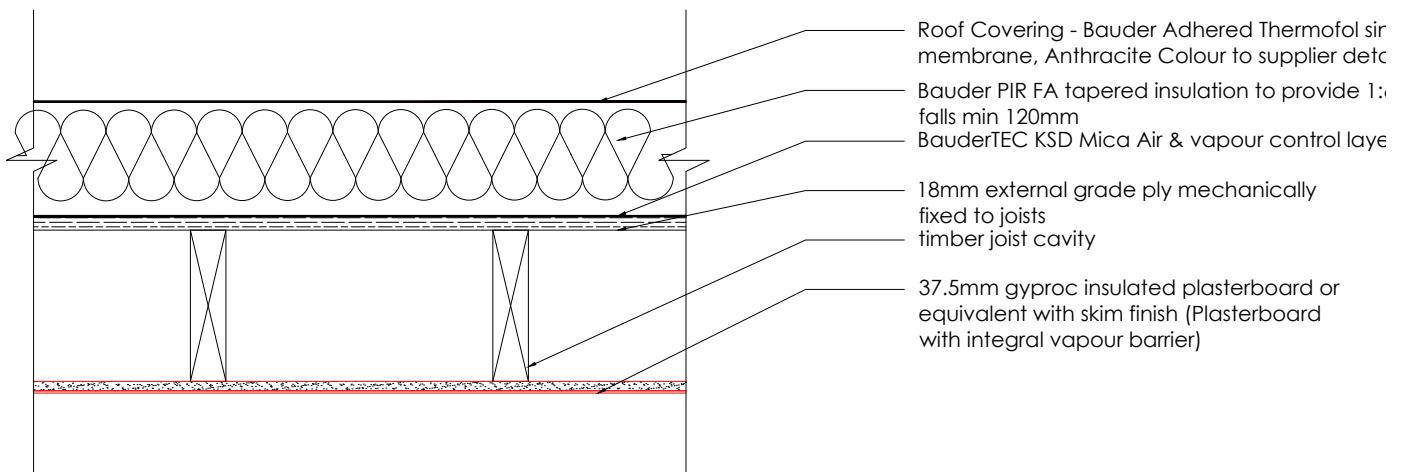
| SPACING OF CAVITY WALL TIES ABOVE & BELOW DPC | | |
|---|-----------------------|--------------------------|
| CAVITY BETWEEN MASONRY FACES (mm) | MAXIMUM SPACING (mm) | |
| | HORIZONTAL | VERTICAL |
| 50 to 75 | 900 | 450 |
| 76 to 100 | 750 | 450 |
| 50 to 100 (AT JAMB OPENINGS, MOVEMENT JOINTS, ETC.) | WITHIN 150 OF OPENING | 300 or EACH BLOCK COURSE |
| AT OPENINGS & MOVEMENT JOINTS, WALL TIES SHOULD BE SPACED @ 300 c/c MAXIMUM VERTICALLY EVEN IF THIS MEANS CUTTING CAVITY INSULATION TO INSERT THE TIE | | |
| DOUBLING THE NUMBER OF WALL TIES @ 450 OR @ 600 c/c VERTICALLY IS NOT AN ACCEPTABLE ALTERNATIVE | | |



TYPICAL SECTION THROUGH CAVITY WALL

Scale: 1:10 @ A3





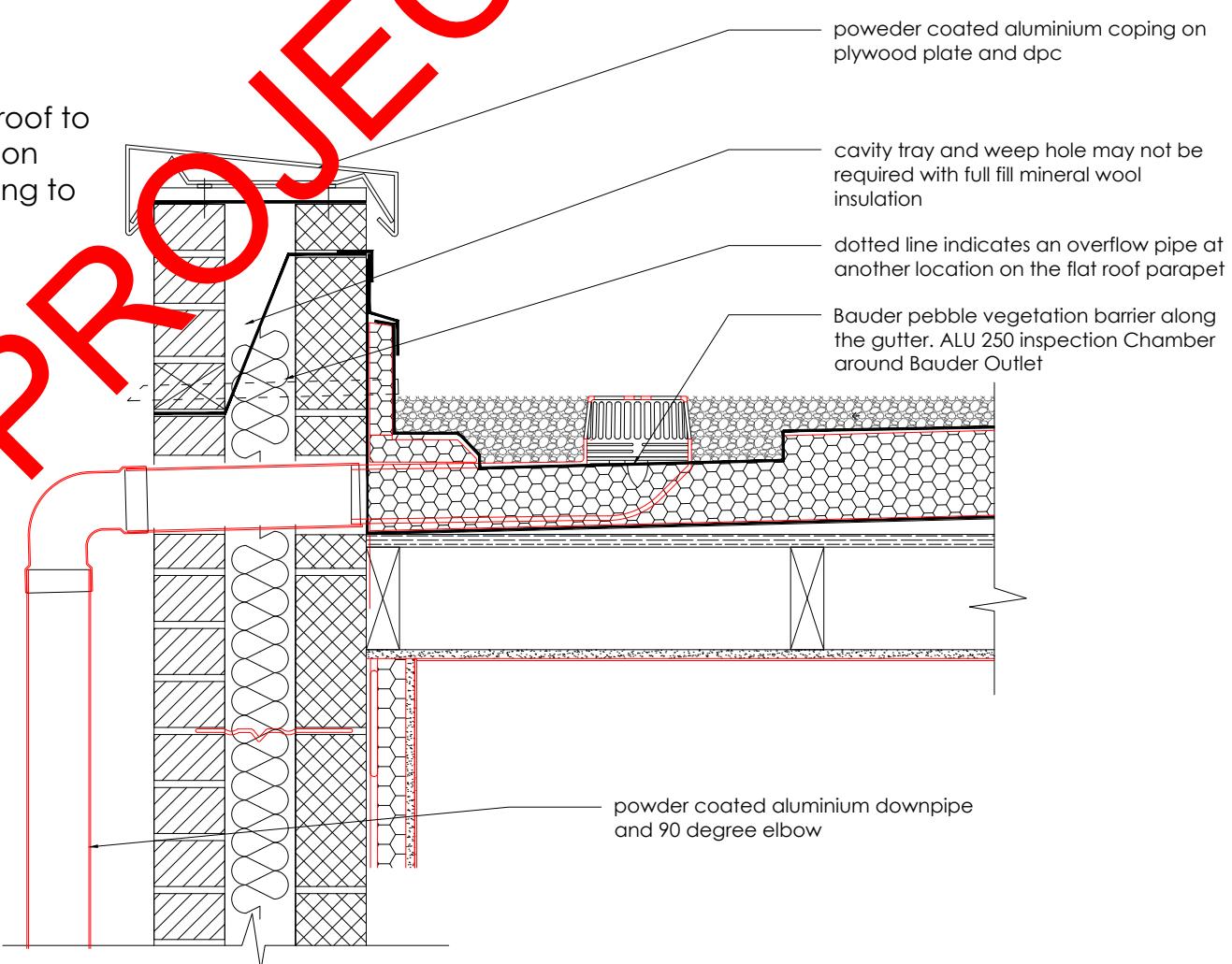
Detail notes: Typical liquid applied membrane flat roof with insulation shown. Flat roof to meet min. U-Value 0.11 W/m²K. Insulation thickness adjustable according to insulation specification and project requirements. Vapour control layer specification according to insulation specification.

All flat roofs should be designed with an incline according to BS 6229 & BS 8217

WARM FLAT ROOF

Scale: 1:10 @ A3

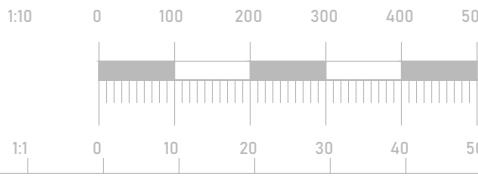
SAMPLE PROJECT

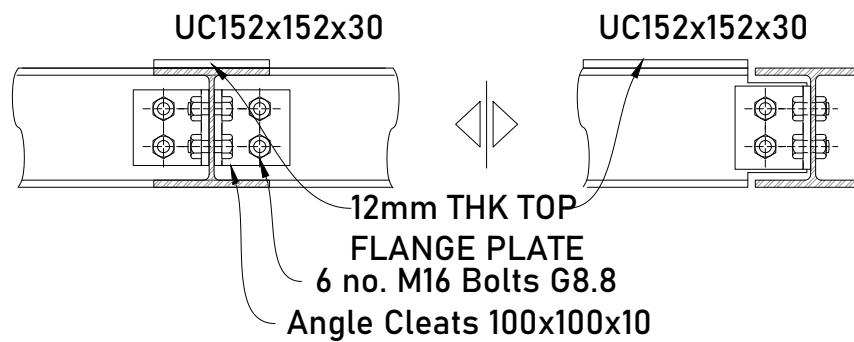


Detail notes: External wall to meet min. U-Value 0.18 W/m²K. Insulation thickness adjustable according to insulation specification and project requirements. Vapour control layer specification according to insulation specification. Sizing of the gutters and outlets should be calculated by the gutter manufacturer or approved installer.

TYPICAL PARAPET DETAIL

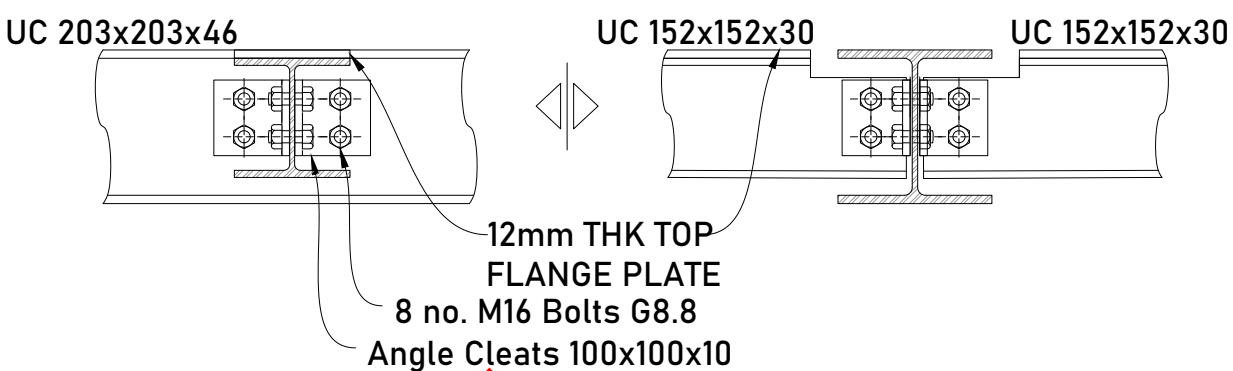
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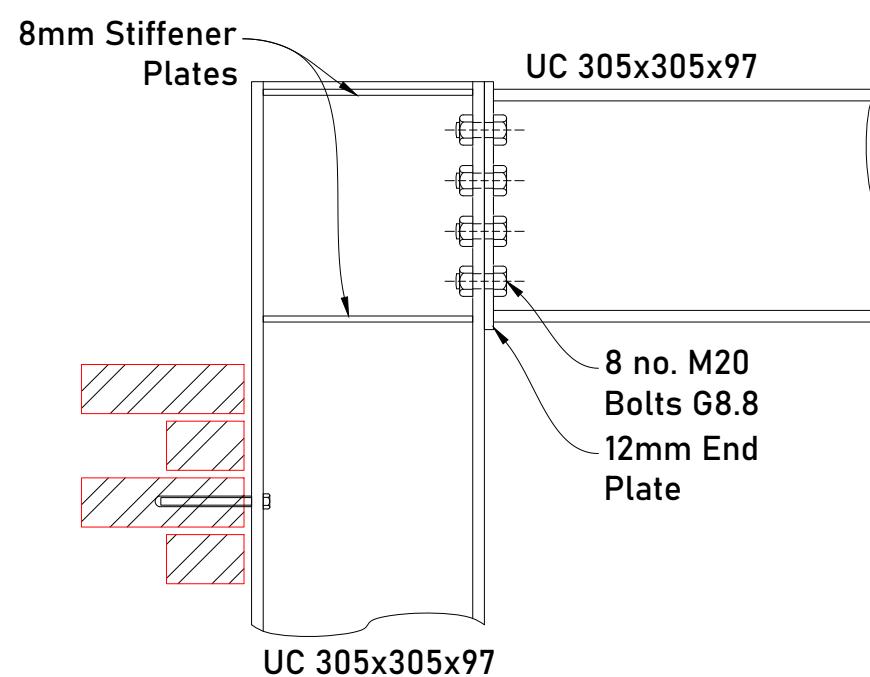
DETAIL 1

Scale: 1:10 @ A3

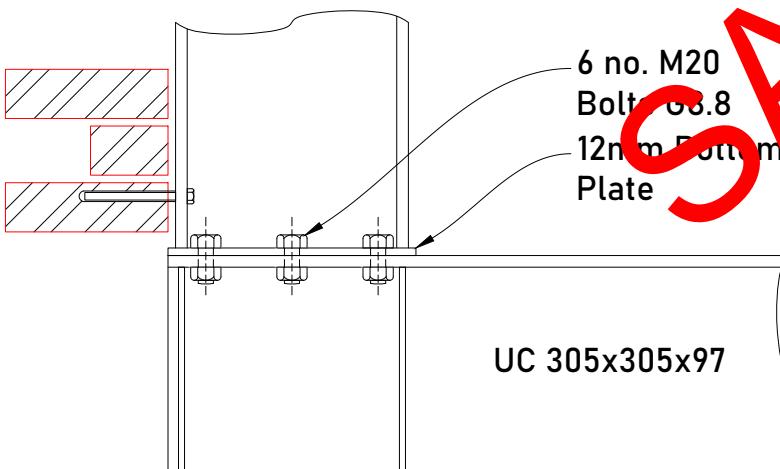


DETAIL 2

Scale: 1:10 @ A3

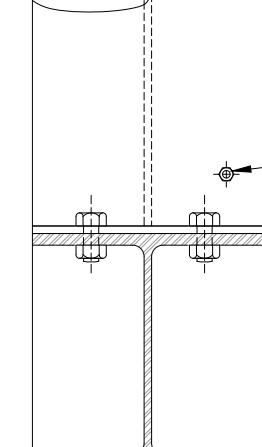
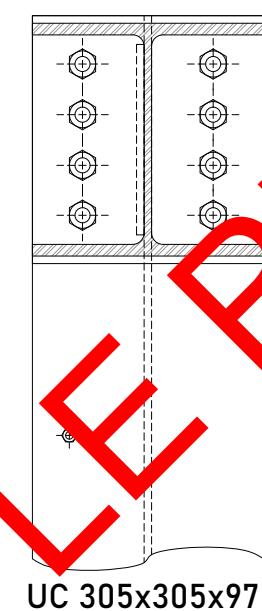


ALL STEEL BEAMS CARRYING LOAD-BEARING
MASONRY WALLS WIDER THAN THEIR FLANGES
ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE
PLATES CONTINUOUSLY WELDED ALONG THE
LENGTH TO SUIT THE WALL WIDTH U.N.O

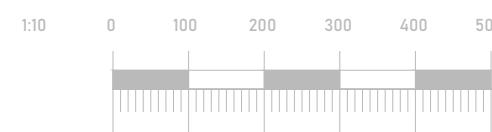
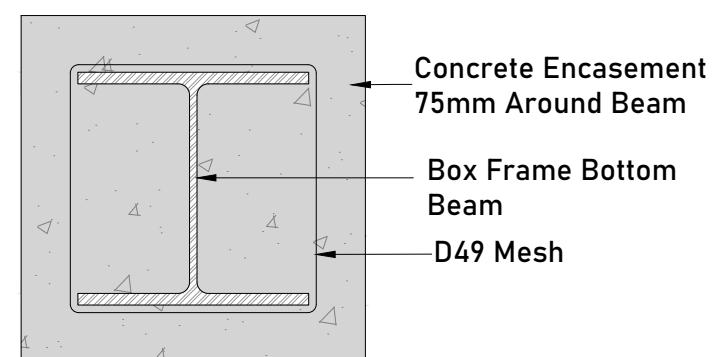


DETAIL 3

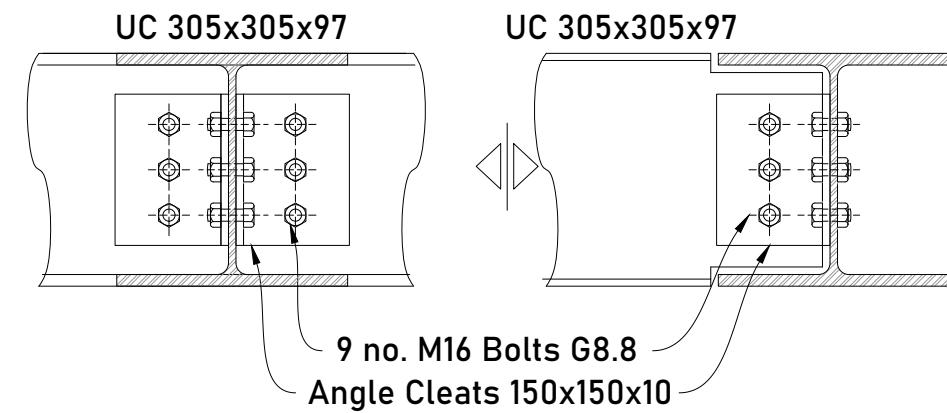
Scale: 1:10 @ A3



M10 Hilti HIT-HY
200 chemically
fixed bolts w/
100mm embedment
at 300mm c/c
staggered



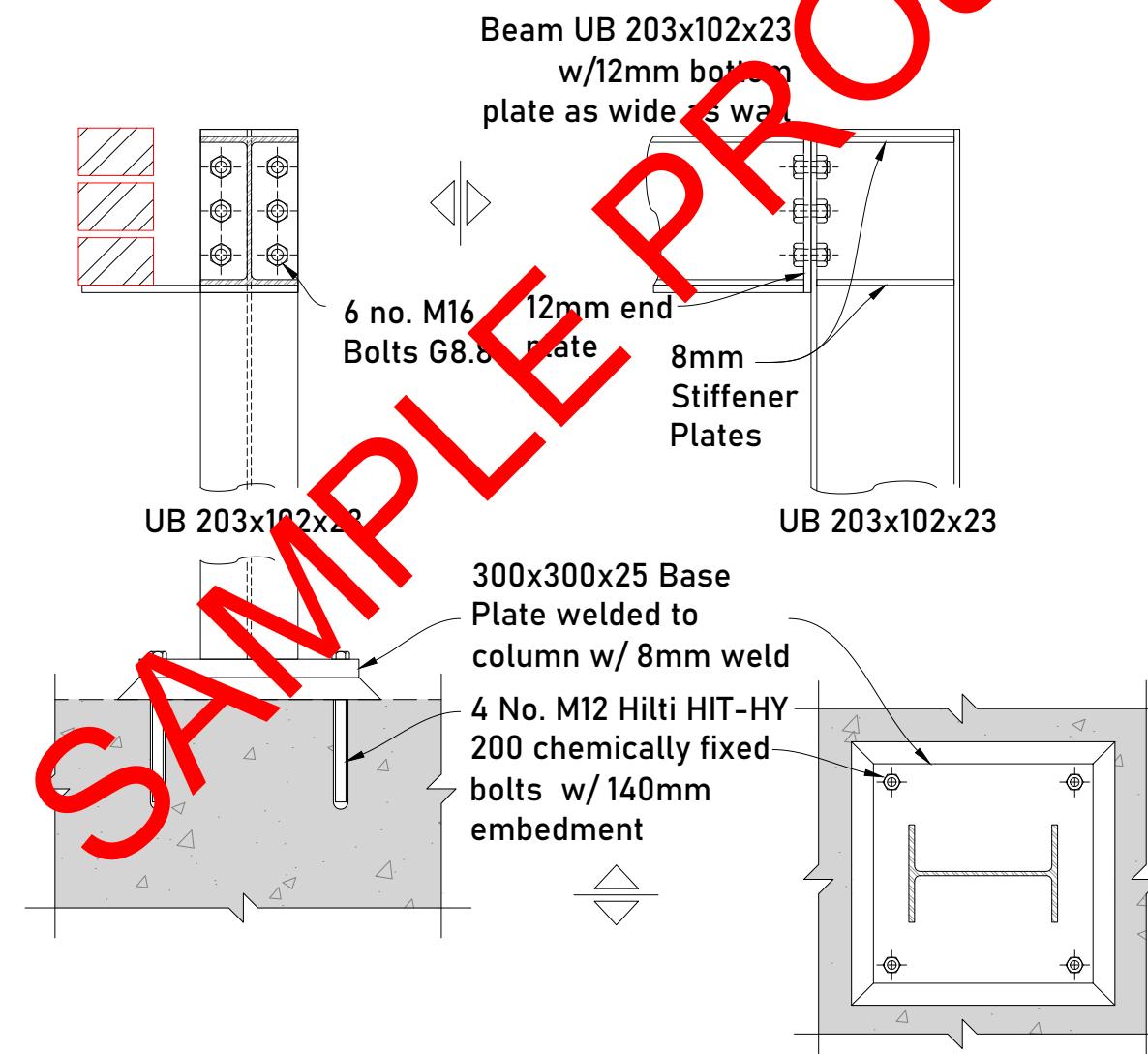
SAMPLE PROJECT



ALL STEEL BEAMS CARRYING LOAD-BEARING
MASONRY WALLS WIDER THAN THEIR FLANGES
ARE TO HAVE 12MM THK TOP/BOTTOM FLANGE
PLATES CONTINUOUSLY WELDED ALONG THE
LENGTH TO SUIT THE WALL WIDTH U.N.O

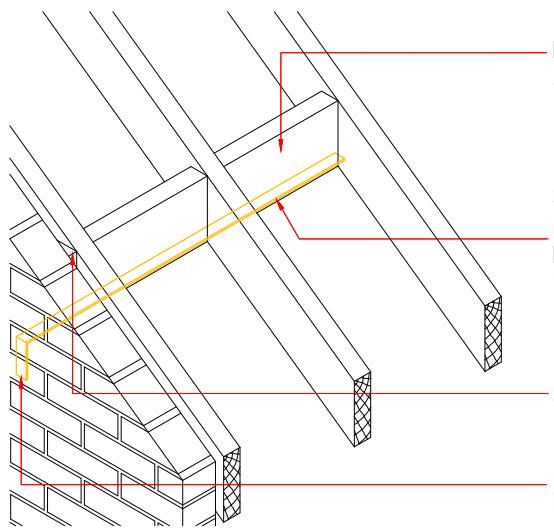
DETAIL 4

Scale: 1:10 @ A3



DETAIL 5

Scale: 1:10 @ A3



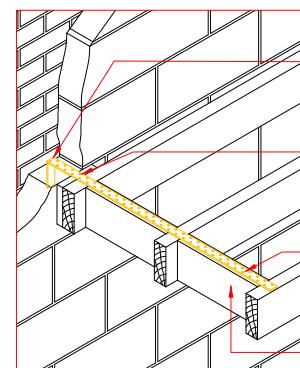
LATERAL RESTRAINT STRAP TO EXISTING GABLE WALL

PROVIDE HORIZONTAL SET NOGGINS OR USE TWISTED STRAP TO LINE WITH THE ROOF SLOPE.

30*5*1000mm LONG o/a GALVANISED M.S. RESTRAINT STRAPS @1200mm C/C AND TURNED DOWN WALL 100mm MIN. STRAP FIXED TO NOGGINS AND FIRST THREE RAFTERS WITH 6N° #12 *50mm LONG WOODSCREWS.

SOLID TIMBER PACKING AT STRAP.

STRAP FITTED TIGHT TO INSIDE FACE OF WALL. SECURED WITH M10 RESIN ANCHORS.



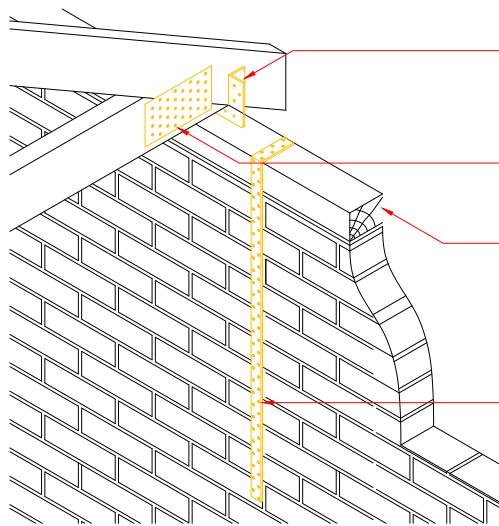
STRAP TO TURN DOWN 100mm MIN. AND BUILT TIGHT AGAINST THE INNER LEAF. WHERE STRAP IS IN CAVITY, APPLY ONE SITE COAT OF RIW LAC (OR USE STAINLESS STEEL STRAP)

SOLID TIMBER PACKING NAILED TO JOIST AT STRAP POSITION.

30x5x1000mm LONG GALVANISED M.S. LATERAL RESTRAINT STRAP @1200 C/C SCREWED TO SIDE OF JOIST WITH 3N° #12x50mm LONG WOODSCREWS. PROVIDE 5mm NOTCH IN JOIST TO RECEIVE RESTRAINT STRAP.

PROVIDE 150(dp)x50(w) C24 SOLID NOGGINS BETWEEN FLAT ROOF JOIST (FRJ)

NEW CAVITY WALL RESTRAINT PARALLEL TO JOIST



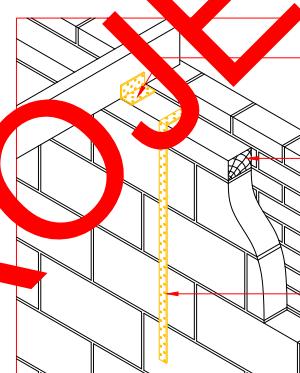
SOLID MASONRY WALL EAVES FIXING DETAILS

GALVANISED STEEL TRUSS CLIP (NAILED ALL HOLES) WITH #9 *32mm LONG SQUARE TWISTED NAILS.

GALVANIZED STEEL NAIL PLATE FIXED TO RAFTERS WITH #9 *32mm LONG SQUARE TWISTED NAILS.

TIMBER WALLPLATE.

30*2.5*1000mm LONG o/a GALVANISED M.S. HOLDING DOWN STRAPS @1200 C/C, WITH 100mm TURN OVER WALL PLATE, SCREWED TO FACE OF WALL WITH 6N° #12 *50mm LONG SCREWS IN PLASTIC PLUGS @150 C/C. STRAP FIXED TO TOP OF WALL PLATE WITH 2N° #12 *50mm LONG WOODSCREWS.

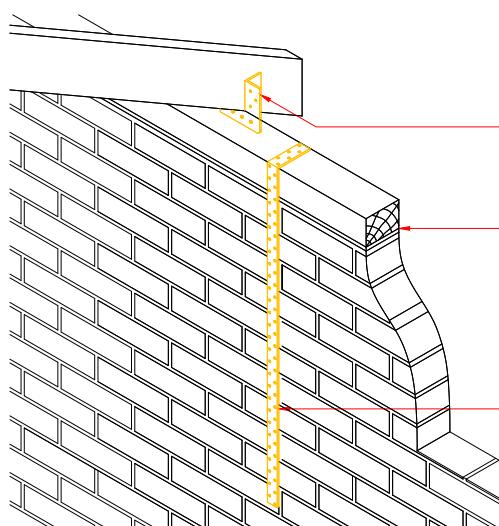


GALVANIZED STEEL TRUSS CLIP (NAILED ALL HOLES) WITH #9 x 32 LONG SQUARE TWISTED NAILS

TIMBER WALLPLATE

30x5x1000mm LONG GALVANISED M.S. LATERAL RESTRAINT STRAP @1200 C/C SCREWED TO SIDE OF JOIST WITH 3N° #12x50mm LONG WOODSCREWS. PROVIDE 5mm NOTCH IN JOIST TO RECEIVE RESTRAINT STRAP.

NEW CAVITY WALL HOLDING DOWN STRAPPING

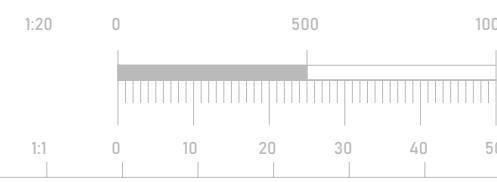


SOLID MASONRY WALL VAULTED EAVES FIXING DETAILS

GALVANISED STEEL TRUSS CLIP (NAILED ALL HOLES) WITH #9 x32mm LG. SQUARE TWISTED NAILS.

TIMBER WALLPLATE.

30x2.5x1000mm LG. /4 GALVANISED M.S HOLDING DOWN STRAPS @1200 C/C, WITH 100mm TURN OVER WALL PLATE, SCREWED TO FACE OF WALL WITH 6No. #12 x50mm LG. SCREWS IN PLASTIC PLUGS @150 C/C . STRAP FIXED TO TOP OF WALL PLATE WITH 2No. #12 x50mm LG. WOODSCREWS



SAMPLE PROJECT