

150x150x6.3 SHS WITH WELDED BOTTOM 12mm THK Gr S355 PLATE TO SUPPORT BRICKSTONE WORK PLATE EXTENT TBC TO SUIT ARCHITECTS DETAILS. MAX SPAN 2.0m TO BE SUPPORTED BY AND BOLTED DOWN TO 440mm LONG x 215mm DEEP (WIDTH TO SUIT WALL THICKNESS) CONCRETE PADSTONES AT EACH END USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS. DETAIL TBC TO SUIT EXISTING MASONRY DETAILS.

TO AVOID POTENTIAL DIFFERENTIAL SETTLEMENT OF NEW LOADING BEARING THE FOLLOWING SHALL BE IMPLEMENTED

1. PROVIDE CROCODILE TYPE WALL STARTER AT INTERFACE BETWEEN NEW LOADBEARING WALL SUPPORTED ON STRIP FOOTING AND EXISTING WALL.
2. PROVIDE CROCODILE TYPE WALL STARTER AT INTERFACE BETWEEN NEW LOADBEARING WALL SUPPORTED ON STRIP FOOTING AND S/D NON LOADBEARING WALL SUPPORTED ON GROUND SLAB.
3. PROVIDE LOCALISED THICKENING TO NON LOADBEARING WALL SUPPORTED OFF THE GROUND SLAB TYPICALLY 150dp x 450wd DETAILS TBC AT STAGE 4.

EXISTING ROOF STEEL TRUSSES TO BE ASSESSED/SUBSTITUTED TO SUPPORT THE ADDITIONAL LOAD OF PROPOSED ROOF CONSTRUCTION AND M&E EQUIPMENT. REFER TO ARCHITECTS AND M&E DRAWINGS FOR DETAILS.

ALL BEAMS TO BE SUPPORTED BY AND BOLTED DOWN TO 450g x 225dp x 140w (WALL THICKNESS TBC) CONCRETE PADSTONES USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS U.N.O.

30SUB46 STEEL BEAMS (MAXIMUM 5.3m SPAN) TO BE SUPPORTED BY AND BOLTED DOWN TO 600g x 225dp x 225w CONCRETE PADSTONES USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS.

**KEY TO HEALTH AND SAFETY SYMBOLS**

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION.
- INDICATES A RESIDUAL RISK FOR INFORMATION.
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION.
- INDICATES A RESIDUAL RISK AS A WARNING.

THE CONTRACTOR MUST ENSURE THAT EXISTING STRUCTURES REMAIN ADEQUATELY SUPPORTED AND STABLE WHILE THE WORK IS BEING UNDERTAKEN. PROPPING MAY BE NEEDED AND TO BE USED IN ACCORDANCE WITH HEALTH AND SAFETY.

CONTRACTOR IS TO BE RESPONSIBLE FOR THE DESIGN AND DETAILS OF ANY TEMPORARY WORKS DURING THE DEMOLITION WORKS AND CONSTRUCTION.

CONTRACTOR IS TO CONDUCT THEIR OWN ON SITE MEASURED / LEVEL SURVEY PRIOR TO ORDERING ANY MATERIALS. ANY NOTABLE DIFFERENCES FROM THE STRUCTURAL DRAWINGS ARE TO BE DISCUSSED WITH THE STRUCTURAL ENGINEER.

ALL SETTING OUT DIMENSIONS, LEVELS AND TOP OF STEEL LEVELS TO BE CONFIRMED BY ARCHITECTS

**NOTES**  
ANY ASSUMPTIONS AND DETAILS MADE ON THIS DRAWING ARE TO BE CHECKED AND CONFIRMED ON SITE. ANY DISCREPANCIES WHICH MAY AFFECT THE DESIGN SHOULD BE BROUGHT TO THE ATTENTION OF SWA FOR COMMENT

Do not scale from this drawing. Use written dimensions only. If in doubt ask.

**Notes**

- GENERAL NOTES**
1. DO NOT SCALE FROM THIS DRAWING.
  2. ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.
  3. ALL LEVELS ARE N METRES ABOVE ORDNANCE DATUM U.N.O.
  4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
  5. ALL BUILDING WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REGULATIONS (LATEST EDITION) AND THE CIVIL STRUCTURAL AND ARCHITECTURAL SPECIFICATIONS.

**6. STEELWORK**  
a) ALL STEELWORK TO BE MILD STEEL GRADE S355 UNLESS STATED OTHERWISE.  
b) ALL CONNECTIONS ARE TO BE DESIGNED BY THE STEELWORK FABRICATOR TO THE CONNECTION FORCES ADVISED BY THE STRUCTURAL ENGINEER. ALL CONNECTION FORCES ARE FACTORED.

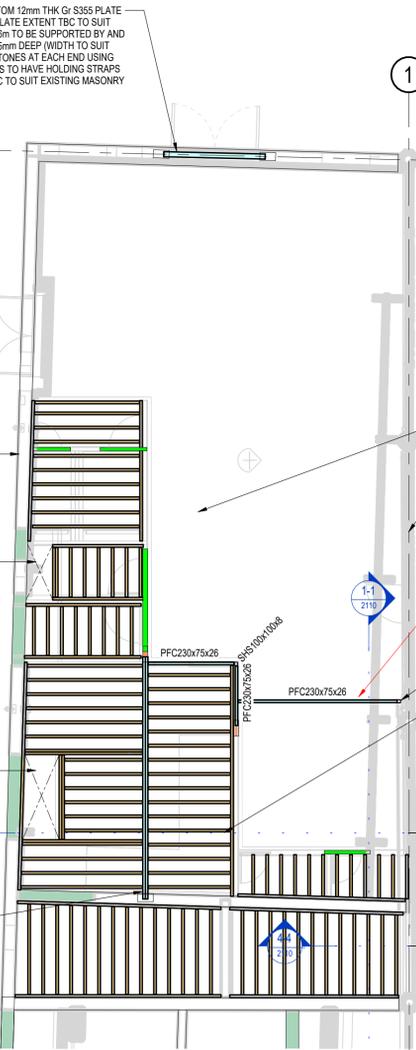
**7. PAINT SPECIFICATION**  
PROVIDE SHERWIN WILLIAMS SPECIFICATION C3F OR SIMILAR TO ALL STEEL ELEMENTS FOR URBAN ENVIRONMENTS WITH MODERATE SULPHUR DIOXIDE POLLUTION (15-25 YEARS MAINTENANCE PERIOD) OR SIMILAR APPROVED.

**SURFACE PREPARATION AND FINISH TO BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS - TYPICALLY STEEL ELEMENTS TO BE BLAST CLEANED TO SA2.5 TO BS EN ISO 8501-1:2007 WITHIN RANGE OF 50-75 MICRONS TYPICAL. APPLY MACROPROXY 400 ZINC PHOSPHATE EPOXY (180 MICRONS EACH) COAT.**

GREEN HATCH INDICATES EXISTING WALLS TO BE USED AS LOAD BEARING TO SUPPORT LOFT FLOOR OVER. FOUNDATION EXTENT TO BE CHECKED BY TRIAL HOLE LOCAL TO WALL AS NECESSARY.

ALL BEAMS TO BE SUPPORTED BY AND BOLTED DOWN TO 450g x 225dp x 140w (WALL THICKNESS TBC) CONCRETE PADSTONES USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS U.N.O.

STEEL BEAM TO BE SUPPORTED BY AND BOLTED DOWN TO 450g x 225dp x 225w CONCRETE PADSTONE AT END USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS.



PLAN ON ANNEXE (AREA 01)  
SCALE 1:100

ALL NEW WALLS TO BE MIN. 140 THK TO FOUNDATION.

STRUCTURAL SUPPORT TO NEW GLAZING TBC.

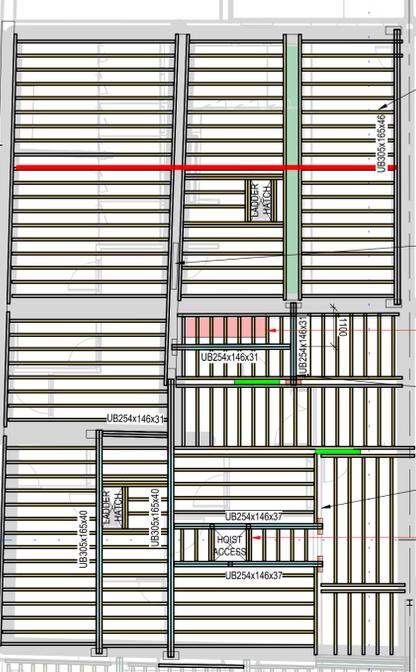
STRUCTURAL SUPPORT TO CURTAIN DIVIDER TBC SUBJECT TO ARCHITECT DETAILS. TO BE ADJUSTED TO AVOID CLASHES WITH EXISTING COLUMNS.

100 SHS POST. DETAILS TBC.

NEW CEILING JOISTS SUPPORTED ON 75x250 C24 TIMBER ROOF JOISTS @ 400mm MAX SPAN 4.7m. MAX IL = 3kN/m<sup>2</sup> TBC BY CLIENT/ARCHITECT. TO BE SUPPORTED ON LOAD BEARING WALLS AND STEEL BEAM PACKING VIA H.D. JOIST HANGERS WITHIN THE BEAMS DEPTH. 75x250 C24 TIMBER WALL PLATE TO BE FIXED TO THE WALL WITH 2 No. M10 RESIN ANCHORS @ 300 CRS STAGGERED. NEW ROOF TO HAVE STRAPS TO THE SURROUNDING WALLS SEE TYPICAL DETAILS. FULL DEPTH NOGGINS TO BE PROVIDED TO FULL PERIMETER OF LOFT AND AT JOIST MID SPANS. ROOF CONSTRUCTION TO SUIT ARCHITECTURAL DRAWINGS.

UNLESS NOTED OTHERWISE, T.O.S AND TOP OF JOISTS TO BE: +84.280 m FINISHES TO ARCHITECTS DETAILS

ALL NEW TIMBER JOISTS AND STEELWORK SHOWN INDICATIVELY. SUBJECT TO M&E AND ARCHITECTS CONFIRMATION OF PLANT/LIFTING/DUCT LOADING AND DETAILS.



PLAN ON ANNEXE (AREA 02)  
SCALE 1:100

NEW LOFT FLOOR SUPPORTED ON 75x250 C24 TIMBER ROOF JOISTS @ 400mm MAX SPAN 4.7m. MAX IL = 3kN/m<sup>2</sup> TBC BY CLIENT/ARCHITECT. TO BE SUPPORTED ON LOAD BEARING WALLS AND STEEL BEAM PACKING VIA H.D. JOIST HANGERS WITHIN THE BEAMS DEPTH. 75x250 C24 TIMBER WALL PLATE TO BE FIXED TO THE WALL WITH 2 No. M10 RESIN ANCHORS @ 300 CRS STAGGERED. NEW ROOF TO HAVE STRAPS TO THE SURROUNDING WALLS SEE TYPICAL DETAILS. FULL DEPTH NOGGINS TO BE PROVIDED TO FULL PERIMETER OF LOFT AND AT JOIST MID SPANS. ROOF CONSTRUCTION TO SUIT ARCHITECTURAL DRAWINGS.

NAYLOR LINTELS TYPE R8/R9 TO SUIT WALL CONSTRUCTION TBC (OR SIMILAR APPROVED) LOCATED OVER PROPOSED OPENINGS AT LOWER LEVEL. FOR POSITION AND OPENING DETAILS REFER TO ARCHITECT DRAWINGS.

M&E LOADING TBC.

ALL STEEL BEAMS TO BE SUPPORTED BY AND BOLTED DOWN TO 440mm LONG x 215mm DEEP (WIDTH TO SUIT WALL THICKNESS) CONCRETE PADSTONES AT EACH END USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS.

ALL NEW LOAD BEARING WALLS TO BE MIN. 140 THK TO FOUNDATION U.N.O.

M&E HOIST DETAILS AND LOADING TBC.

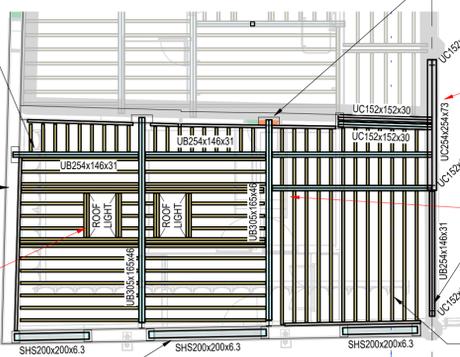
UNLESS NOTED OTHERWISE, T.O.S AND TOP OF JOISTS TO BE: +82.950 m FINISHES TO ARCHITECTS DETAILS

254UB37 STEEL BEAMS. SETTING OUT TBC PENDING CONFIRMATION OF LOCATION OF PLANT EQUIPMENT.

GREEN HATCH INDICATES EXISTING WALLS TO BE USED AS LOAD BEARING TO SUPPORT LOFT FLOOR OVER. FOUNDATION EXTENT TO BE CHECKED BY TRIAL HOLE LOCAL TO WALL AS NECESSARY.

DOUBLE JOISTS BOLTED TO SUPPORT ROOFLIGHTS. DETAILS AND LOADING TBC.

200x200x6.3 SHS WITH WELDED BOTTOM 8mm THK Gr S355 PLATE TO SUPPORT BRICKSTONE WORK (PLATE EXTENT TBC TO SUIT ARCHITECTS DETAILS). MAX SPAN 3.4m TO BE SUPPORTED BY AND BOLTED DOWN TO 440mm LONG x 215mm DEEP (WIDTH TO SUIT WALL THICKNESS) CONCRETE PADSTONES AT EACH END USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE EX. WALLS. DETAIL TBC TO SUIT EXISTING MASONRY DETAILS. 3 No. LOCATIONS THUS.



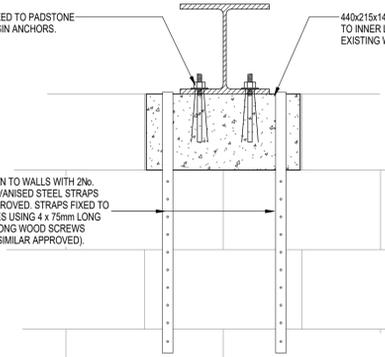
PLAN ON ANNEXE (AREA 03)  
SCALE 1:100

UNLESS NOTED OTHERWISE, T.O.S AND TOP OF JOISTS TO BE: +82.380 m FINISHES TO ARCHITECTS DETAILS

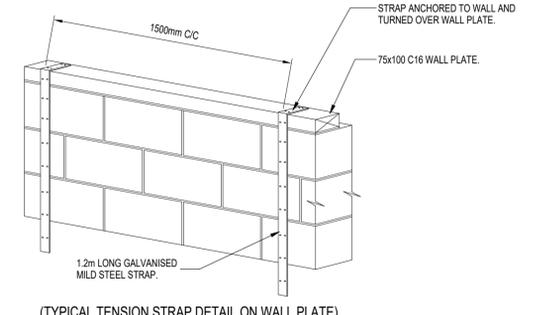
STEEL BEAMS - FIXED TO PADSTONE USING 2No. M8 RESIN ANCHORS.

440x215x140 PADSTONE STRAPPED TO INNER LEAF BLOCKWORK AND EXISTING WALLS.

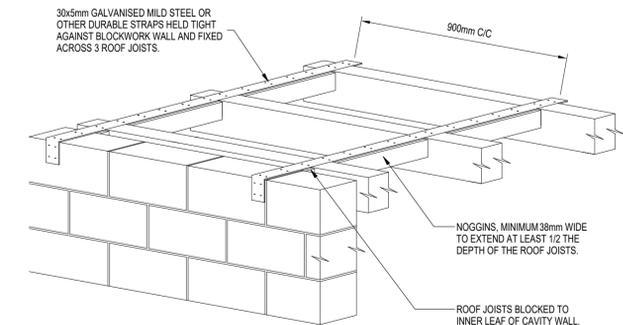
PADSTONES STRAPPED DOWN TO WALLS WITH 2No. 40x5x1200mm LONG H.D. GALVANISED STEEL STRAPS BY SIMPSON OR SIMILAR APPROVED. STRAPS FIXED TO BLOCKWORK AND PADSTONES USING 4 x 75mm LONG HARDENED NAILS OR 12550 LONG WOOD SCREWS DRILLED AND PLUGGED (OR SIMILAR APPROVED).



PADSTONE STRAPPING DETAIL  
SCALE 1:10



TYPICAL TENSION STRAP DETAIL ON WALL PLATE



TYPICAL TENSION STRAP DETAIL WHERE ROOF JOISTS RUN PARALLEL TO CAVITY WALL

TYPICAL STRAPPING DETAILS  
SCALE 1:20

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:  
1036-SWA-00-ZZ-DR-S-2101 - FOUNDATION AND GRD FLR SLAB GA  
1036-SWA-00-ZZ-DR-S-2110 - STRUCTURAL SECTIONS SHEET 1



LOCATION PLAN ANNEXE  
SCALE 1:1000

SCREW STRAP INTO FULL BRICK OR BLOCK USING 2 No. 8x75 SCREWS AND PLUGS.

30x5mm GALVANISED MILD STEEL STRAP. NOTCH OUT JOISTS TO ACCOMMODATE THICKNESS OF THE STRAP. HELD TIGHT AGAINST BLOCKWORK WALL AND FIXED ACROSS 3 ROOF JOISTS.

PACK OFF WALL IF GAP IS PRESENT.

SCREW FIXINGS TO JOISTS AND NOGGINS TO BE 8X50 LONG WOOD SCREWS AT 250 CRS.

NOGGINS, MINIMUM 38mm WIDE TO EXTEND AT LEAST 1/2 THE DEPTH OF THE ROOF JOISTS.

STRAPS TO BE FIXED AT 1200 CRS AND NO MORE THAN 600 FROM A BUTTRESSING WALL.

TYPICAL STRAPPING TO EXISTING WALLS  
SCALE 1:10

Revision	Drawn	Checked	Approved	Modifications
P01	SWA	SWA	SWA	ISSUED FOR STAGE 2 COORDINATION/PROVING. REDRAWN TO REFLECT REVISIONS
P02	SWA	SWA	SWA	ISSUED FOR STAGE 3 COORDINATION/PROVING. GUEST ARRANGEMENT UPDATED TO REFLECT CHANGE IN WALL TYPE
P03	SWA	SWA	SWA	ISSUED FOR STAGE 3 COORDINATION/PROVING

**swa**  
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Client  
**Kirklees COUNCIL**

Project  
**HUDDERSFIELD MARKET**

Title  
**ANNEXE BUILDING PLANT LEVEL AND LOFT FLOORS GENERAL ARRANGEMENT**

Scale	Revision	Status Code	Original Size
As indicated	P03	S1	A1

Orig. No.  
**1036-SWA-00-ZZ-DR-S-2102**

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