150x150x6.3 SHS WITH WELDED BOTTOM 12mm THK Gr S355 PLATE TO SUPPORT BRICK/STONE WORK (PLATE EXTENT TBC TO SUIT ARCHITECTS DETAILS). MAX SPAN 2.6m 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.

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.

BULKHEAD ZONE FOR M&E DUCTWORK. DETAILS TBC

ALL BEAMS TO BE SUPPORTED BY AND BOLTED DOWN TO 450lg 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.

BULKHEAD ZONE FOR M&E DUCTWORK. DETAILS TBC

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

PFC230x75x26

SHS100x100x8

PFC230x75x26

PFC230x75x26

1-1 2110

2-2 2110

A

1

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

STRUCTURAL SUPORT 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 75x225 C24 TIMBER ROOF JOISTS @ 400mm MAX SPAN 4.7m, MAX IL = 3kN/n2 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

PLAN ON ANNEXE (AREA 01)

SCALE 1 : 100

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 SND 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/SUBSTANTIATED TO SUPPORT THE ADDITIONAL LOAD OF PROPOSED ROOF CONSTRUCTION AND M&E EQUIPMENT. REFER TO ARCHITECTS AND M&E DRAWINGS FOR DETAILS.

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

ALL BEAMS TO BE SUPPORTED BY AND BOLTED DOWN TO 450lg 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.

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 BRICK/STONE 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.

UB254x146x31

UB254x146x31

UB305x165x46

ROOF LIGHT

ROOF LIGHT

UB305x165x46

UB254x146x31

SHS200x200x6.3

SHS200x200x6.3

SHS200x200x6.3

1-1 2110

1

305UB46 STEEL BEAMS (MAXIMUM 5.3m SPAN) TO BE SUPPORTED BY AND BOLTED DOWN TO 600lg x 225dp x 225w CONCRETE PADSTONES USING 2No M8 RESIN ANCHORS. PADSTONES TO HAVE HOLDING STRAPS FIXED TO THE Ex. WALLS.

UC152x152x30

UC152x152x30

UC152x152x30

UC254x254x73

UC152x152x30

UC152x152x30

IMPORTANT DETAILS AND POSITION OF Ex. WALL TBC. NOTING INTERFACE WITH Ex. STEEL AND ANNEXE ROOF. MAY AFFECT PROPOSED SOLUTION

NEW STAIRCASE SUPPORT CASE LOADING AND DETAILS TBC.

LINE OF BEAMS AND UC POST TO BE ALIGNED WITH Ex. WALL TO PROVIDE SUPPORT VIA NEW PADSTONE.

ROOF BUILD UP SUPPORTED ON 75x250 C24 TIMBER ROOF JOISTS @ 350mm MAX SPAN 4.7m, MAX IL = 3kN/m² TBC BY CLIENT/ARCHITECT. TO BE SUPPORTED ON LOAD BEARING WALLS AND STEEL BEAM PACKING VIA H.D. JOIST HANGERS WITHIN THE BEAMS DEPTH. BEAM RESTRAINED BY ROOF JOISTS. 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 ROOF AND AT JOIST MID SPANS. ROOF CONSTRUCTION AND FALLS TO SUIT ARCHITECTURAL DRAWINGS.

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

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.

NEW LOFT FLOOR SUPPORTED ON 75x250 C24 TIMBER ROOF JOISTS @ 400mm MAX SPAN 4.7m, MAX IL = 3kN/n2 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.

UB305x165x46

UB254x146x31

UB254x146x31

UB305x165x40

UB254x146x37

UB254x146x37

ROOF HATCH

HOIST ACCESS

3-3 2110

1-1 2110

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

PLAN ON ANNEXE (AREA 02)

SCALE 1 : 100

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 12x50 LONG WOOD SCREWS DRILLED AND PLUGGED (OR SIMILAR APPROVED).

PADSTONE STRAPPING DETAIL

SCALE 1 : 10

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

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

150

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

1500mm C/C

STRAP ANCHORED TO WALL AND TURNED OVER WALL PLATE.

75x100 C16 WALL PLATE.

1.2m LONG GALVANISED MILD STEEL STRAP.

(TYPICAL TENSION STRAP DETAIL ON WALL PLATE)

30x5mm GALVANISED MILD STEEL OR OTHER DURABLE STRAPS HELD TIGHT AGAINST BLOCKWORK WALL AND FIXED ACROSS 3 ROOF JOISTS.

900mm C/C

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

ROOF JOISTS BLOCKED TO INNER LEAF OF CAVITY WALL.

(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

ANNEXE 01
ANNEXE 02
ANNEXE 03

LOCATION PLAN ANNEXE

SCALE 1 : 1000

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 ACCORDING 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 MILIMETERS U.N.O.
3. ALL LEVELS ARE N METRES ABOVE ORDINANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUCTION 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 C/SF 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.

Rev	Drawn	Checked	Approved	Modifications
P03	BG 07/08/25	SH 07/08/25	MH 07/08/25	ISSUED FOR STAGE 3 COORDINATION/PRICING. REDRAWN TO REFLECT REVISED SCHEME.
P02	BG 13/02/25	SH 13/02/25	MH 13/02/25	ISSUED FOR STAGE 3 COORDINATION/PRICING. JOIST ARRANGEMENT UPDATED TO REFLECT CHANGE IN WALL TYPE.
P01	BG 31/01/25	SH 31/01/25	MH 31/01/25	ISSUED FOR STAGE 3 COORDINATION/PRICING.

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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

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

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