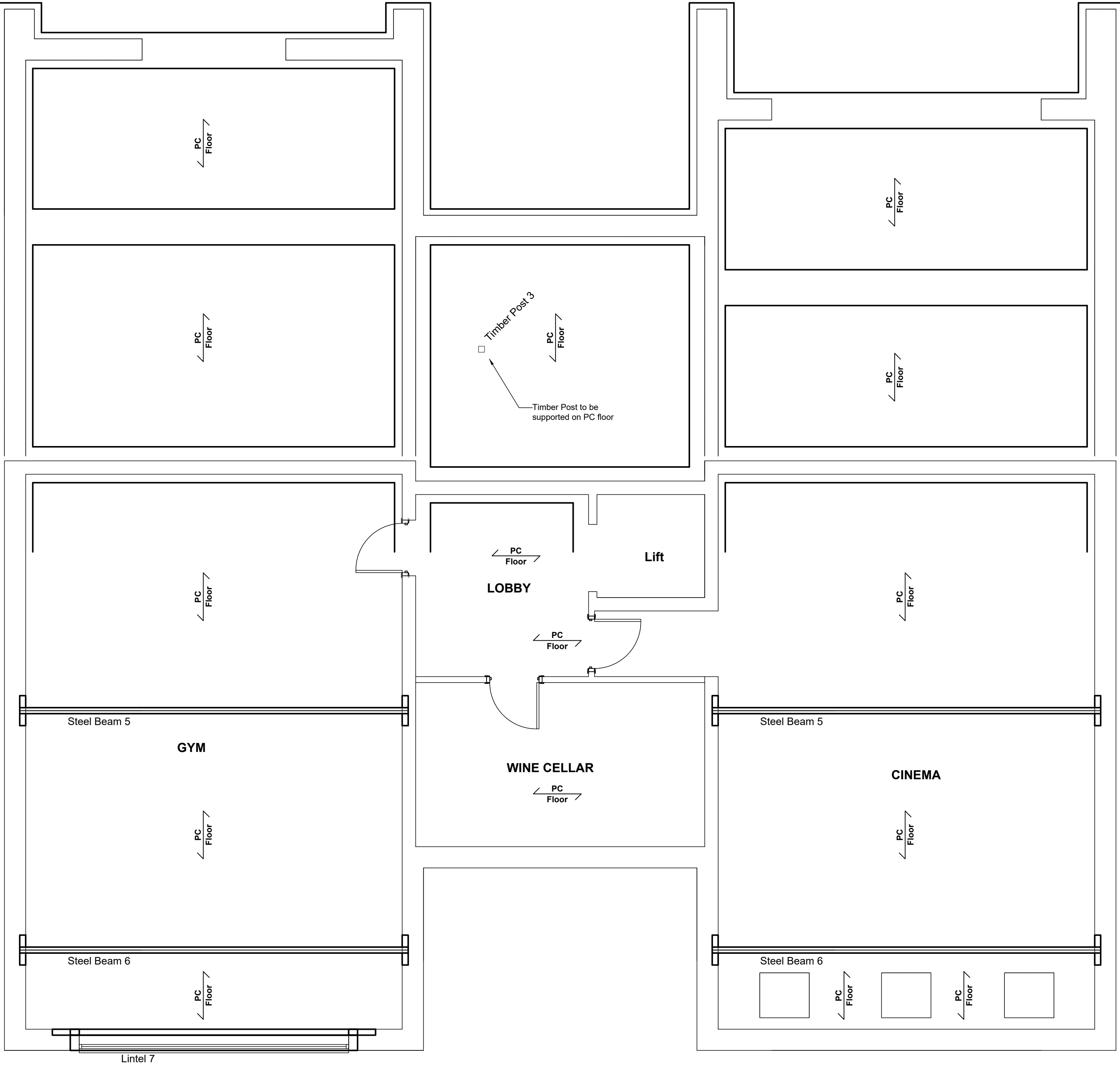


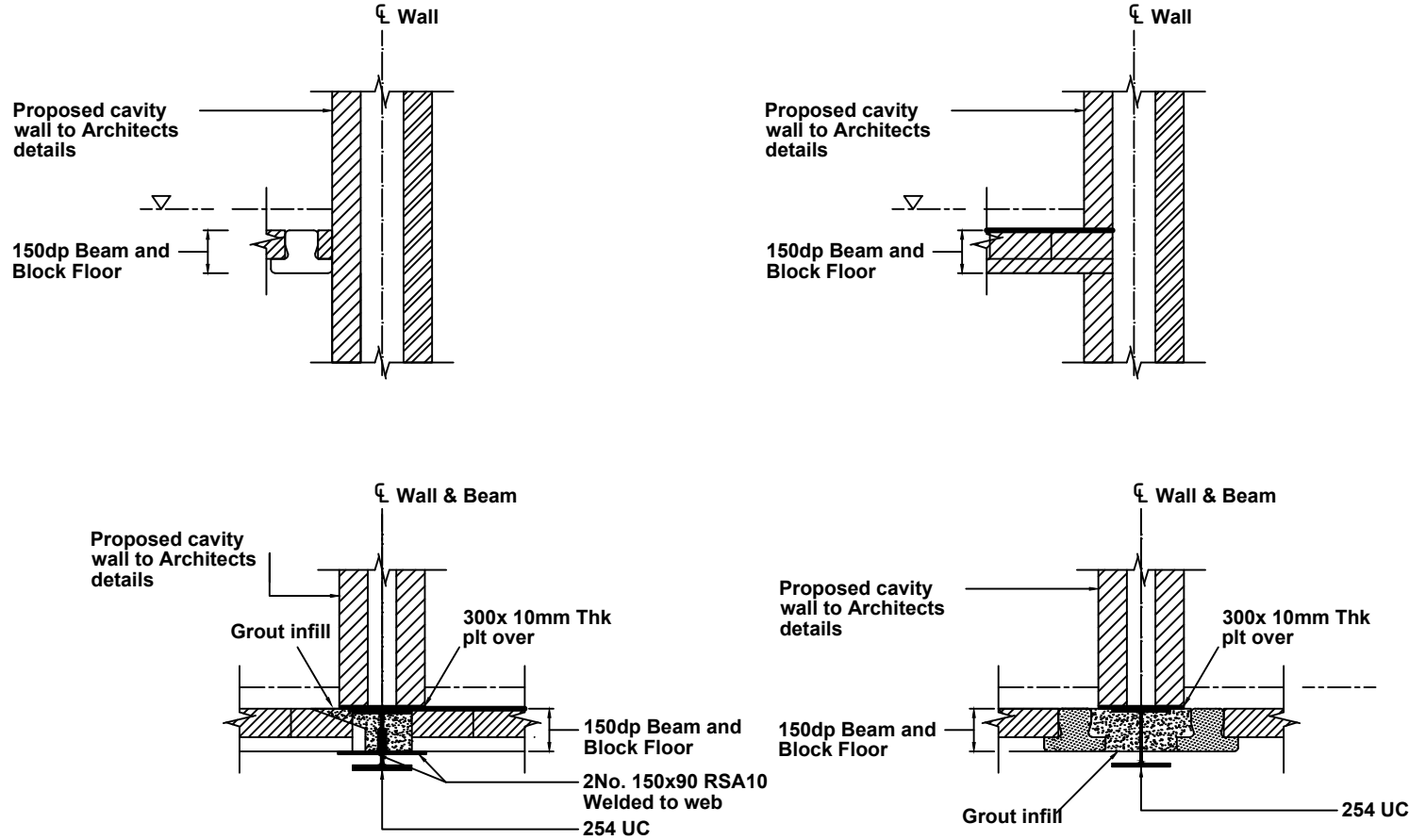
1:2500	0	50m	100m	200m
1:1250	0	25m	50m	100m
1:625	0	12.5m	25m	50m
1:312	0	6.25m	12.5m	25m
1:156	0	3.125m	6.25m	12.5m
1:78	0	1.5625m	3.125m	6.25m
1:39	0	0.78125m	1.5625m	3.125m
1:20	0	0.4m	0.8m	1.6m
1:10	0	0.2m	0.4m	0.8m
1:5	0	0.1m	0.2m	0.4m
1:2.5	0	0.05m	0.1m	0.2m



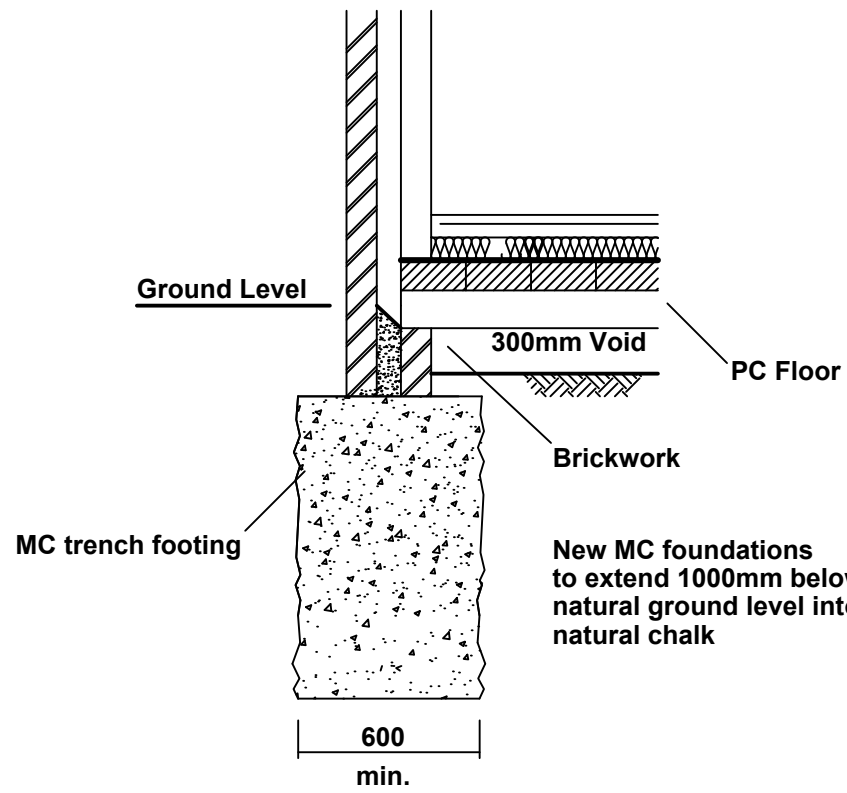
Ground Floor / Foundation Plan. [1:50]

Setting out to be confirmed by others prior to construction.

PC Floor denotes span of pc beam and block floor



7 N/mm2 concrete blocks to be used from lower ground floor to u/s ground floor for loaded walls



Typical Foundation Section. [1:25]
(For foundations up to 1500mm deep)

- GENERAL NOTES
- THIS DRAWING IS COPYRIGHT
 - THE DRG SHAL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS
 - USE ONLY FIGURED DIMENSIONS.
 - DIMENSIONS AND CONDITIONS SHALL BE VERIFIED ON SITE. ANY DISCREPENCIES BETWEEN THIS DRG AND SITE CONDITIONS SHALL BE BOUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO PLACING ORDERS OR TO CONSTRUCTION
 - ALL WORK SHALL COMPLY WITH THE BUILDING REGULATIONS. THE REQUIREMENTS OF THE LOCAL AUTHORITY, CURRENT CODES OF PRACTICE AND BRITISH STANDARDS.
 - DIMENSIONS INDICATED THUS:- ARE TO BE CONFIRMED ON SITE.
 - ONLY KNOWN HOLES, POCKETS RECESSES ETC WITH A MINIMUM DIMENSION GREATER THAN 150mm ARE SHOWN ON THIS DRG. REFERENCE SHOULD BE MADE TO ARCHITECTS, SERVICES OR BUILDERS WORK DRAWINGS AS RELEVANT FOR SMALL HOLES, INSERTS, FIXINGS, PIPES, VENTS ETC. AND FOR CONFIRMATION OF POSITION AND SIZE OF LARGER HOLES
 - ALL TEMORARY WORKS AND SEQUENCE OF WORKING ASSOCIATED WITH THE DETAILS ON THIS DRG ARE TO BE AGREED WITH THE STRUCTURAL ENGINEER PRIOR TO WORKS BIENG CARRIED OUT
 - FOR WATERPROOFING/FLASHING DETAILS REFER TO ARCHITECTS DRGS.

- CONCRETE NOTES
- STRUCTURAL CONCRETE TO BE GRADE C35. BLINDING CONCRETE TO BE GRADE C20. ALL CONCRETE BELOW GRD TO BE GRADE C35/SRC
 - NOMINAL COVER TO ALL REINFORCEMENT TO BE 75mm WHERE CAST AGAINST SOIL. 50mm TO ALL OTHER CASES

- MASONRY WALLS
- BRICKS ARE TO HAVE THE FOLLOWING CHARACTERISTICS:- FROST RESISTANCE CLASS F TO BS 3921 SOLUBLE SALT CONTENT CLASS 1 TO BS 3921
 - BRICKWORK ABOVE DPC LEVEL TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 20 N/mm2. BRICKWORK BELOW DPC LEVEL TO BE CLASS B ENGINEERING BRICKWORK
 - BLOCKS ARE TO BE DENSE CONCRETE BLOCKS (MIN MASS OF 415 kg/m2 ON ELEVATION) ARE TO BE USED FOR PARTY WALLS. AERATED CONCRETE BLOCKS HAVING A DENSITY LESS THAN 750 kg/m3 ARE TO BE USED ELSEWHERE
 - BRICKS AND BLOCKS ARE TO BE MANUFACTURED AT LEAST 28 DAYS PRIOR TO USE IN THE WORKS
 - MORTAR IN MASONARY WALLS IS TO BE 1:1:6 CEMENT:LIME:SAND MIX ABOVE DPC, AND 1:3 CEMENT:SAND MIX BELOW DPC MORTAR CAPPINGS, COPINGS AND CILLS ARE TO BE 1:1/4:3 CEMENT:LIME:SAND MIX
 - ALL CAVITY WALL TIES ARE TO BE STAINLESS STEEL DOUBLE- TRIANGULAR TYPE WITH 4mm WIRE DIAMETER TO BS 1243, SPACING IS TO BE 900mm HORIZONTALLY AND 450mm VERTICALLY AND STAGGERED. AT REVEALS AND EXPANSION JOINTS CAVITY WALL TIES ARE TO BE AT 225mm VERTICAL CTRS AND 225mm AWAY FROM THE REVEAL OR JOINT. BUTTERFLY CAVITY WALL TIES ARE NOT TO BE USED.

- TIMBER NOTES
- ALL TIMBER TO BE GRADE C24 TO BS 5268 UNLESS NOTED OTHERWISE AND TO BE DOUBLE VACUUM TREATED. SAWN ENDS ARE TO BE TREATED WITH A COMPATIBLE PRESERVATIVE
 - ALL JOIST HANGERS ARE TO BE GALVANIZED MILD STEEL WITH A MINIMUM THICKNESS OF 2.5mm.
 - FOR JOIST SPANS GREATER THAN 2.5m SOLID BLOCKING TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING REGULATIONS.
 - SOLID BLOCKING IS ALSO TO BE INSTALLED WHERE JOISTS ARE NOTCHED INTO STEEL BEAMS OR ARE SUPPORTED ON JOIST HANGERS.

- STEELWORK
- Steel to be Grade S355 complying with all current British Standards.
 - Steelwork to be shot - blasted to SA 2.5 of BS 7079 : Part 1 and painted one coat of Leigh's Paints Epigrip C400 Epoxy Zinc Phosphate Primer to 75 microns DFT.
 - Steelwork encased in masonry to receive an additional coat of brush applied Bitumastic Paint.

- PRE-CAST (PC) FLOOR
- 150mm thk beam/block floor system, to design and supply by specialist manufacturer.
 - Units to be grouted in by Main Contractor, with a 4:1 sand/ cement mix, following installation.
 - All perimeter beams to be laid on bedded slip block or split course, by Main Contractor.
 - Screed to be sand/cement mix with 1 layer A98 mesh for crack control. 25mm concrete cover to top.
 - Floor system to be designed to support all the Dead Loads indicated, partitions and a Live Load of 1.5kN/m² in the house and 2.5kN/m² in the garage.

	Risk of collapse. In relation to sides of excavations due to instability of soils / surcharge from plant too close to excavation.
	Risk of falling. In relation to open trenches, any obstructions / debris on site, including stacked / stored materials or units. Ensure guarding of any unfilled excavation is carried out as appropriate. Similarly guarding required to wells or other below ground voids if encountered.

structure schedule			
ref.	specification	plan location	padstone
Steel Beam 5	254 x 254 x 132 UC S355	ground	650lg x 100wd x 325dp conc. padstone
Steel Beam 6	254 x 254 x 167 UC S355	ground	850lg x 100wd x 215dp prestressed lintel
Steel Lintel 7	406 x 178 x 54 UB S355 with 8mm MS bottom plate	ground	250lg x 100wd x 150dp conc. padstone

PRELIMINARY

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B MB 04.08.20 Scaling notes revised as instructed by Development and Conservation Manager
A HB 23.08.24 Updated Structural Layout

mba m b a structures ltd	The Old Forge 53-55 High Street Rushden Barkway Herts SG8 8EB T 01279 219919	Project Daisy Barn Rushden Herts
	E mike@mbsstructures.co.uk	Title Ground Floor Framing Details Scale 1:50 at A1 Date August 2024 Drwg. No. 7462 A1.02 Rev. B