THE CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR ALL TEMPORARY/PERMANENT PROPPING AND SHORING ON THE PROJECT. CONTRACTOR TO ENSURE THAT ALL PARTS OF THE STRUCTURE ARE ADEQUATELY PROPPED PRIOR TO ANY COMMENCEMENT OF WORKS. ADVICE MAY BE SOUGHT FROM A SPECIALIST OR FROM THE ENGINEER.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS DRAWINGS.

ALL DIMENSIONS TBC BY ARCHITECT

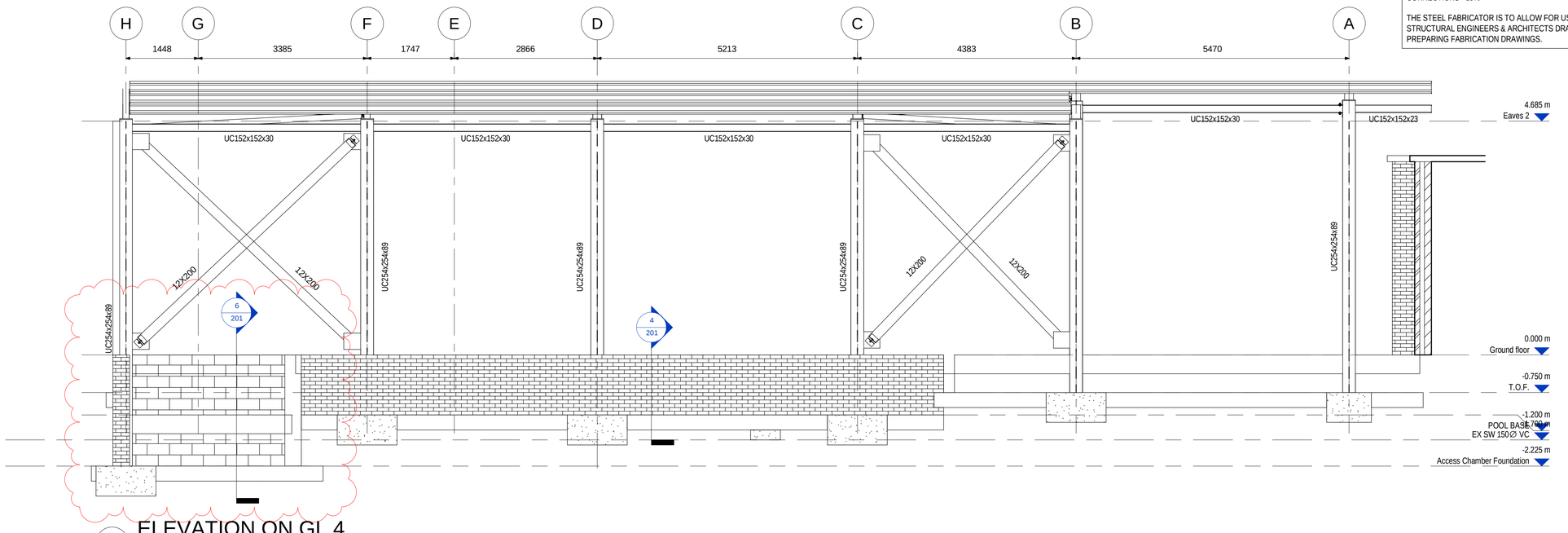
FOR SETTING OUT REFER TO ARCHITECTS DRAWINGS

STEELWORK ALLOWANCE

FOR COST PURPOSES ONLY PLEASE INCLUDE THE FOLLOWING STEELWORK ALLOWANCE:-

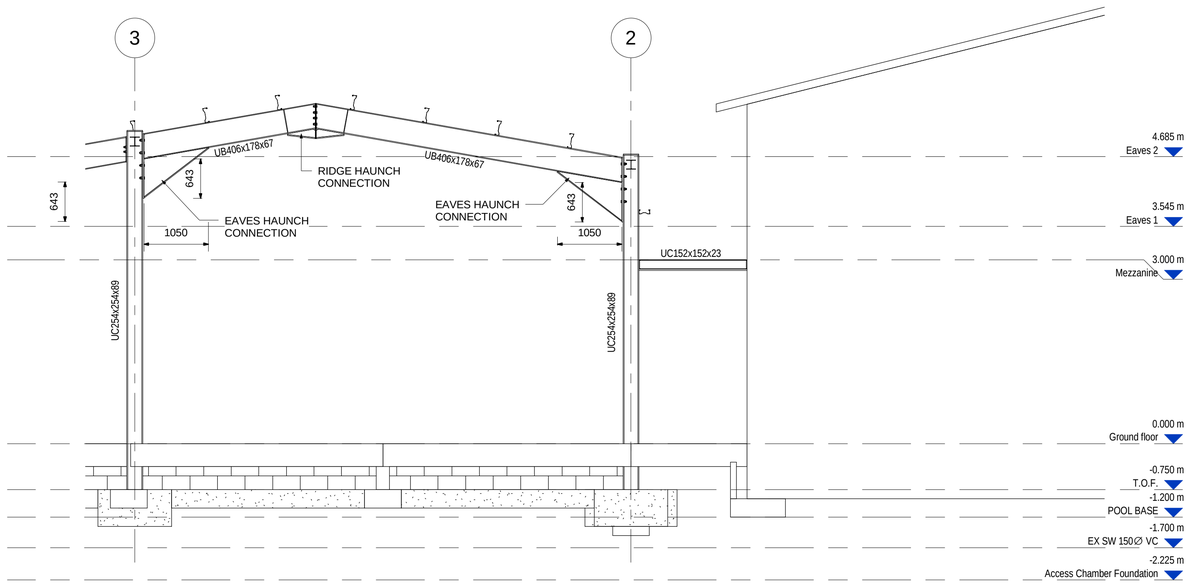
SECONDARY STEELWORK - 10%
CONNECTIONS - 10%

THE STEEL FABRICATOR IS TO ALLOW FOR USING BOTH THE STRUCTURAL ENGINEERS & ARCHITECTS DRAWINGS WHEN PREPARING FABRICATION DRAWINGS.



1 ELEVATION ON GL 4

1 : 50



2 ELEVATIONON GL A & B

1 : 50

General Notes

DO NOT SCALE OFF THIS DRAWING

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS. FOR FINAL SETTING OUT INFORMATION RELATING TO GRID LINES AND WALL POSITIONS REFER TO THE ARCHITECT'S DRAWINGS.

STRUCTURAL STEELWORK

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, MECHANICAL & ELECTRICAL AND ARCHITECTS DRAWINGS AND SPECIFICATIONS. ALL GRID AND SETTING OUT DIMENSIONS AND LEVELS TO BE CROSS-CHECKED AGAINST ARCHITECTS DRAWINGS. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH STATUTORY HEALTH AND SAFETY/C.D.M. REGULATIONS, RELEVANT CODES OF PRACTICE AND THE CURRENT EDITION OF THE BUILDING REGULATIONS.

ALL STRUCTURAL STEELWORK SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH
BS 5950, NSSS (5TH EDITION- CE MARKING VERSION), THE PROJECT SPECIFICATION AND BS 5950-2:2001.

NOTES TO SUB CONTRACTORS.
THE STEELWORK SUPPLIER IS TO SUBMIT DUPLICATE COPIES OF ALL FABRICATION DRAWINGS TO THE ENGINEER FOR EXAMINATION AND COMMENT WELL IN ADVANCE OF FABRICATION (MIN. 5 WORKING DAYS).

ALL SUB CONTRACTORS FENESTRATION PRODUCTS IE CLADDING, STONEWORK, RAINSCREENS, CURTAIN WALLING, SHEETING AND GLAZING ARE TO SPAN AND BE FIXED VERTICALLY TO STEEL BEAMS OR CONCRETE FLOORS. NO HORIZONTAL FIXINGS ARE PERMITTED UNLESS OTHERWISE AGREED WITH THE ENGINEER. HORIZONTAL FIXINGS MAY RESULT IN ADDITIONAL SECONDARY STEEL BEING REQUIRED.

THE STEELWORK SUB CONTRACTOR SHOULD ALLOW IN HIS TENDER FOR LIASING WITH THE CHOSEN SUPPLIER OF MASONRY SUPPORT SYSTEMS AND WINDPOSTS/RAILS (IE ANCON OR SIMILAR APPROVED) TO DETERMINE THE FIXING REQUIREMENTS OF SUCH ITEMS BACK TO THE MAIN FRAME STEELWORK.

THE STEELWORK FABRICATOR SHOULD MAKE PROVISION FOR FIXING POINTS etc FOR THE CONNECTION OF SAFETY HARNESSES WHERE NECESSARY TO SUIT THE PROPOSED ERECTION PROCEDURE IN ACCORDANCE WITH THE RELEVANT HEALTH AND SAFETY GUIDELINES.

THE STEELWORK FABRICATOR SHOULD ALSO INCLUDE IN HIS TENDER FOR THE PROVISION OF ERECTION LIFTING POINTS FOR THE SAFE ERECTION OF STEELWORK.

ALL STEEL LEVELING AND PACKING SHIMS TO BE PROVIDED BY STEELWORK SUPPLIER.

STEELWORK GRADES. COLUMNS TO BE GRADE S355 BEAMS TO BE GRADE S355. UNLESS NOTED OTHERWISE.

CORROSION PROTECTION. 100 MICRON OF EPIGRIP C400V3 ZINC PHOSPHATE PRIMER THROUGHOUT. CAVITIES OR VOIDS UNPROTECTED BY A VAPOUR BARRIER OR LOCATIONS WHERE CONDENSATION MAY BE PRESENT EPIGRIP C400V3 ZINC PHOSPHATE PRIMER TO BE INCREASED TO 250 MICRON.

ALL STRUCTURAL EXPOSED STEELWORK SECTIONS AND STEELWORK SECTIONS LOCATED BELOW GROUND LEVEL SHALL BE HOT DIPPED GALVANISED OR SURROUNDED IN CONCRETE TO GIVE 100mm MINIMUM COVER.

CONNECTIONS. INCLUDING THE COLUMN BASEPLATES SHALL BE DESIGNED BY THE STEELWORK SUBCONTRACTOR. ALL BEAM CONNECTIONS TO HAVE FULL BEAM DEPTH END PLATES, MINIMUM CONNECTION TO BE 4 M16 GRADE 8.8 BOLTS OR THE EQUIVALENT IN WELD. FIRE PROTECTION TO ARCHITECTS DETAILS.

ALL BOLTS ARE TO BE GRADE 8.8 TO BS 3692:2001, UNLESS NOTED OTHERWISE, AND HOT DIP SPUN GALVANIZED TO BS EN ISO 1461:1999.

ALL WELDING SHALL COMPLY WITH BS EN 1011-2:2001 AND BS EN 1011-1:1998 U.N.O. AND ALL FILLET WELDS SHALL HAVE A MIN THROAT THICKNESS OF 6mm U.N.O.

MASONRY RESTRAINTS. ALL INTERNAL BLOCKWALLS TO BE RESTRAINED BY ANCON IHR-B OR SIMILAR APPROVED HEAD RESTRAINTS C/W SLEEVE FIXED TO U/S OF RAFTERS/FLOORS AT 750 CRS. WALLS BUILT UPTO U/S OF COMPOSITE FLOOR TO BE RESTRAINED BY STAGGERED ANGLES (ANCON FHR).

ALL MEMBERS BUILT INTO OR RESTRAINING MASONRY SHALL BE CAPABLE OF ADJUSTMENT (MINIMUM TOLERANCE +/- 10mm). NONE PROPRIETARY SUPPORT MEMBERS ARE TO BE TACK WELDED OR POSITIVELY FIXED IN POSITION ON COMPLETION OF ALIGNMENT.

BUILDERS WORK. FOR DETAILS OF HOLES REQUIRED THROUGH FLOOR SLABS AND GROUND FLOOR SLAB REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND BUILDERS WORK.

BEAMS TO RECEIVE TIMBER WALL PLATES OR BEARERS SHALL BE DRILLED AT 450mm STAGGERED LONGITUDINAL CENTRES AND STANDARD FLANGE OR LEG CROSS CENTRES. HOLES TO BE 10mm DIAMETER TO RECEIVE M8 (4.6) BOLTS (UNLESS NOTED OTHERWISE)

Rev	Description	Date	By	Chkd
P1	New floor buildup and detail to pump pit	14.02.18	SBH	LW

Drawing Status

PRELIMINARY

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Client

BURY COUNCIL

Project

ELMS BANK, ARTS COLLEGE,
RIPON AVENUE,
WITEFIELD, M45 8PJ

Drawing Title

PROPOSED STEELWORK ELEVATIONS SHEET 2

Scale at A1	Date	Drawn By	Checked By
As indicated	DEC 2017	Author	Checker

Project Number	Sheet Number	Revision
29387	311	P1