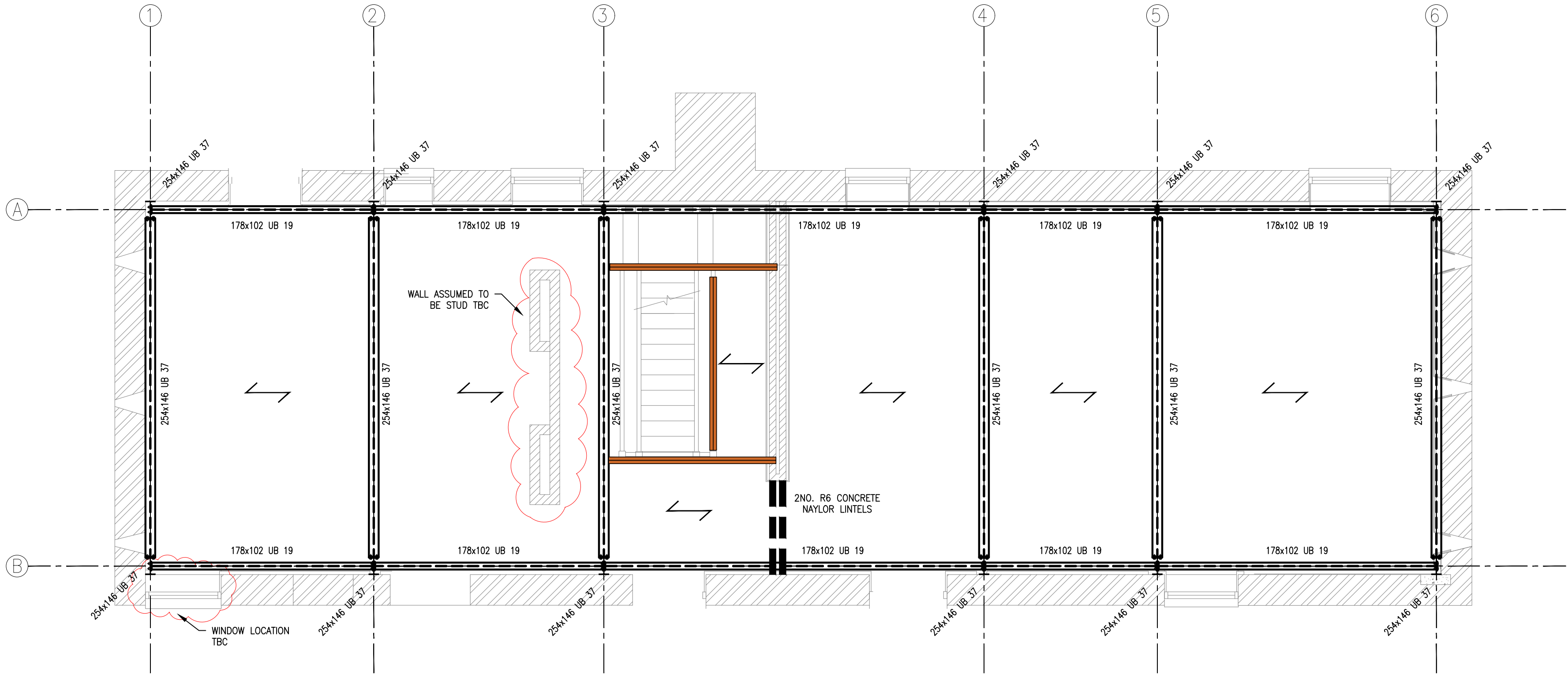
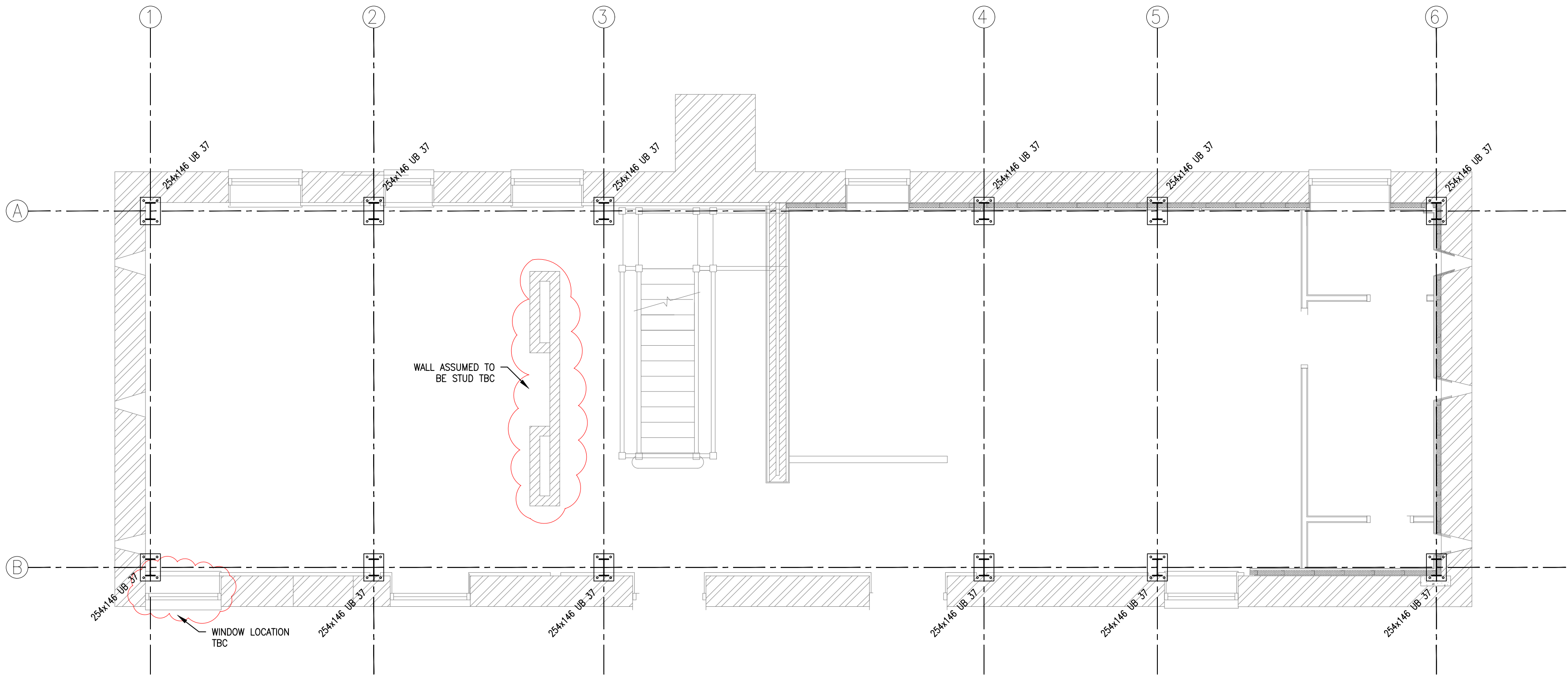
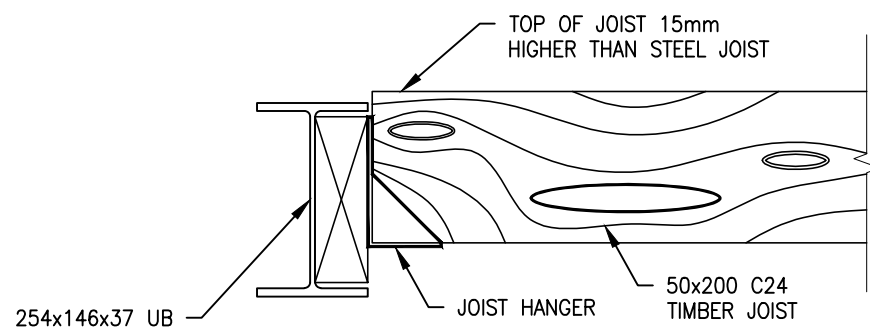
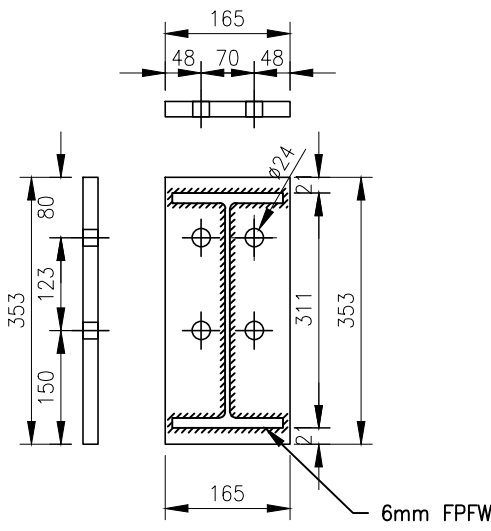
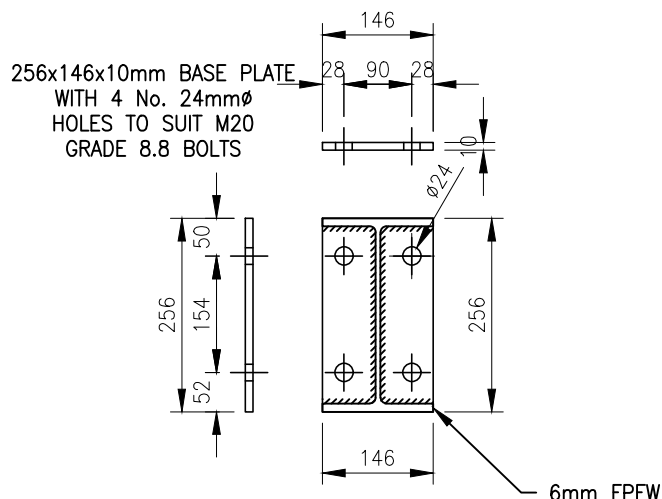
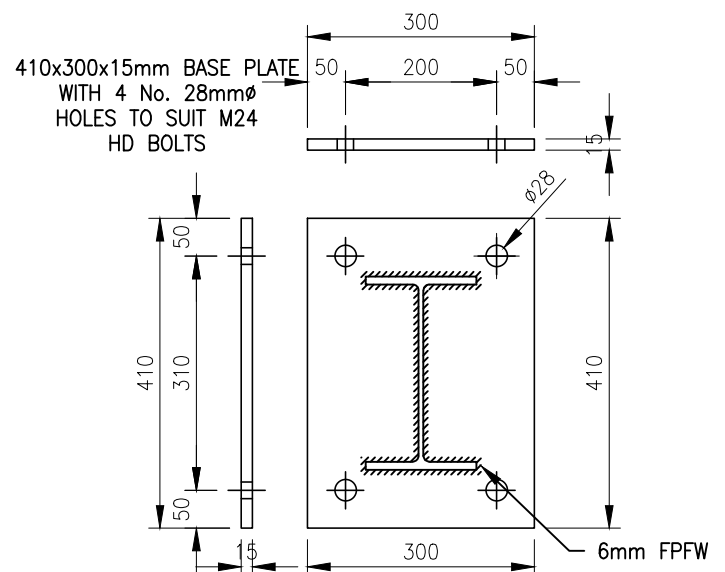


DO NOT SCALE



FIRST FLOOR TIMBER
JOISTS 50x200 @400 c/c
GRADE C24



GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONNECTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE FROM THIS DRAWING. ALL SETTING OUT DIMENSIONS ARE TO BE CHECKED AND VERIFIED ON SITE PRIOR TO COMMENCEMENT OF ANY BUILDING WORKS & FABRICATION OF MATERIALS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
- ALL WORKMANSHIP AND MATERIALS ARE TO COMPLY WITH THE CURRENT BUILDING REGULATIONS, BRITISH STANDARDS AND CODES OF PRACTICE. ALL MATERIALS SHALL BE FIXED OR APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR IS TO TAKE INTO ACCOUNT EVERYTHING DEEMED NECESSARY FOR THE PROPER EXECUTION OF THE WORKS WHETHER INDICATED ON THE DRAWINGS OR NOT TO THE COMPLETE SATISFACTION OF THE LOCAL AUTHORITY.
- FOR FINAL SETTING OUT INFORMATION RELATING TO WALL POSITIONS REFER TO ARCHITECTS DRAWINGS.

STEELWORK NOTES

- ALL STEELWORK FABRICATORS GENERAL ARRANGEMENT AND SECTIONAL DRAWINGS AND DETAILS ARE TO BE FORWARDED TO THE ENGINEER AND ARCHITECT FOR COMMENTS PRIOR TO COMMENCEMENT OF FABRICATION.
- THE STEELWORK SHALL BE FABRICATED, DELIVERED AND ERECTED STRICTLY IN ACCORDANCE WITH THE B.C.S.A. / S.C.I. NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION: 5TH ED. CE MARKING VERSION (PUBLICATION NO. 52/10).
- ALL STEELWORK SHALL BE FABRICATED AND ERECTED BY A SPECIALIST STEELWORK CONTRACTOR WITH SUITABLE EXPERIENCE AND COMPETENCE, CONFIRMING TO CE EXECUTION CLASS 2 AS A MINIMUM.
- ALL HOT ROLLED STRUCTURAL STEELWORK SHALL BE GRADE S275 TO BS EN 10 025: 1993 U.N.O.
- ALL BOLTS SHALL BE SPUN GALVANISED GRADED 8.8 IN ACCORDANCE WITH BS 3692 UNLESS NOTED OTHERWISE.
- MATERIALS AND WORKMANSHIP FOR ALL WELDING IS TO BE IN ACCORDANCE WITH THE RELEVANT SECTIONS OF B.C.S.A. / S.C.I. NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION: 5TH ED. CE MARKING VERSION (PUBLICATION NO. 52/10).
- ALL CONNECTIONS SHALL BE DESIGNED FOR THE MOMENTS AND SHEAR FORCES INDICATED ON THIS DRAWING. ALL BOLTED CONNECTIONS TO HAVE A MINIMUM OF 4 NO. M16 GRADE 8.8 BOLTS (EACH END) U.N.O.
- FABRICATOR TO SUPPLY AND INSTALL ALL NECESSARY SHELF ANGLES AT COLUMN POSITIONS ETC. TO SUPPORT THE FLOOR DECKING.
- THE STEELWORK SUB-CONTRACTOR IS TO CARRY OUT A FOUNDATION SURVEY AT LEAST THREE DAYS PRIOR TO COMMENCEMENT OF ERECTION.
- ALL COLUMNS OVER 6.0m IN LENGTH ARE TO BE FITTED WITH EYE HOLES AND GUYED DURING ERECTION PRIOR TO BEING CONNECTED TO THE MAIN BRACED FRAMES.
- CONCRETE FOR ENCASED STEELWORK IS TO BE GRADE C30 WITH A MINIMUM COMPRESSIVE STRENGTH OF 30N/mm² AT 28 DAYS. MINIMUM CEMENT RATIO IS TO BE 0.55. MAXIMUM AGGREGATE SIZE IS TO BE 20mm NOMINAL. D88 WRAPPING MESH IS TO BE PROVIDED IN THE CONCRETE CENTRALLY BETWEEN OUTER FACES OF THE CONCRETE AND THE STEELWORK.
- WHERE STEELWORK IS SEATED ON PADSTONES THEY SHALL BE OF GRADE C50 CONCRETE AND UNREINFORCED UNLESS NOTED OTHERWISE. ALL STEEL BEAMS SHALL BE FIXED ONTO THE PADSTONES WITH 2 NO. 16mm DIA. ANCHOR BOLTS (1 NO. EACH END).
- ALL STEELWORK BELOW GROUND TO BE ENCASED IN GRADE 35 CONCRETE WITH MINIMUM 100mm COVER.

CDM REGULATIONS 2015

IN LINE WITH THE ABOVE REGULATIONS WE ARE OBLIGED TO INFORM THE CONTRACTORS OF THE RISKS THAT MAY BE ENCOUNTERED IN THE CONSTRUCTION OF THESE WORKS. ALL DESIGN WORK HAS BEEN CARRIED OUT WITH HEALTH & SAFETY ASPECTS GIVEN FULL CONSIDERATION. WHEREVER POSSIBLE RISKS HAVE BEEN ELIMINATED FROM THE DESIGN. HOWEVER DUE TO THE VERY NATURE OF THIS TYPE OF WORK IT IS NOT POSSIBLE TO REMOVE ALL RISKS FROM THE DESIGN. WE WOULD ALSO RESPECTFULLY REMIND THE CONTRACTOR OF HIS OBLIGATIONS TO TAKE ALL REASONABLE STEPS ENSURING THAT ONLY COMPETENT WORKERS WHO HAVE A VALID SAFETY POLICY ARE EMPLOYED.

THEY SHOULD ALSO PROVIDE SATISFACTORY RESPONSES AT TENDER STAGE AS TO THE MANNER IN WHICH THEY DEAL WITH THE ELEMENTS OF RISK INVOLVED IN THIS TYPE OF WORK AND IN PARTICULAR THOSE HIGHLIGHTED BY DARWEN STRUCTURAL ENGINEERING LTD BELOW:-

- SUPPORT/ TREATMENT FOR ALL EXCAVATION WORK.
- GUARDING TO EDGES OF EXCAVATIONS TO PREVENT PEOPLE, MATERIALS AND VEHICLES FALLING INTO EXCAVATIONS.
- GUARDING OF EXCAVATIONS OUTSIDE WORKING HOURS TO PREVENT UNAUTHORISED ACCESS.
- UNDERMINING TO ADJACENT ROADS OR STRUCTURES.
- CONFINED SPACE OPERATIONS.
- DEALING WITH EXISTING SERVICES.
- TRAFFIC MANAGEMENT ON EXISTING HIGHWAYS.
- PROCEDURE TO BE FOLLOWED IN EVENT OF AN ACCIDENT OR EMERGENCY.
- METHOD OF WORKING WHERE CONTAMINATED GROUND IS PRESENT ON SITE.
- CONFIRMATION WILL BE REQUIRED THAT ALL OPERATIVES ARE ADEQUATELY TRAINED, AND COPIES OF RELEVANT CERTIFICATES TO BE SUPPLIED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE OVERALL STABILITY OF THE STRUCTURE FROM THE COMMENCEMENT OF WORKS INCLUDING THE DESIGN AND PROVISION OF ALL NECESSARY TEMPORARY WORKS.

THE ABOVE LIST IS BY NO MEANS EXHAUSTIVE BUT IT DOES HIGHLIGHT OPERATIONS THAT PRESENT A RISK TO CONTRACTORS AND THE GENERAL PUBLIC.

NOTE: CONTRACTOR MUST ALLOW FOR ALL NECESSARY TEMPORARY PROPPING & NEEDLES TO EXISTING WALL CONSTRUCTION PRIOR TO REMOVING EXISTING MASONRY & INSTALLMENT OF NEW BEAM AND STANCHIONS.

WHERE THERE ARE ALTERATIONS TO LOAD BEARING MASONRY, THE FOUNDATIONS ARE TO BE CHECKED AND APPROVED PRIOR TO THE INSTALLATION OF STEELWORK UNLESS SPECIFICALLY INSTRUCTED BY THE ENGINEER IN WRITING.

EXISTING FLOOR SPAN DIRECTION HAS NOT BEEN CONFIRMED. DISCREPANCIES BETWEEN FLOOR SPANS AS SHOWN ON THIS DRAWING AND ON SITE ARE TO BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORKS.

REV	DATE	REVISION DETAILS	DRAWN	CHKD	APPRO
P1	18.06.2025	FIRST ISSUE	LG	JL	LD

CLIENT: Tim Boote

PROJECT: Catswall Farm, Denford

DRAWING TITLE: PROPOSED STANCHION AND FIRST FLOOR GA AND DETAILS

DRAWING STATUS: PRELIMINARY



SCALE	PROJECT NUMBER	REV
1:50	LD-25-311-200	P1