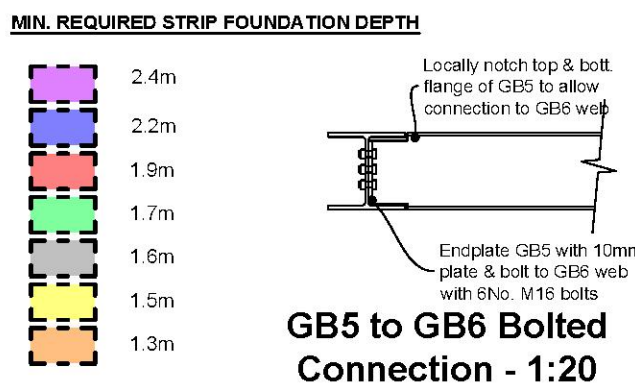


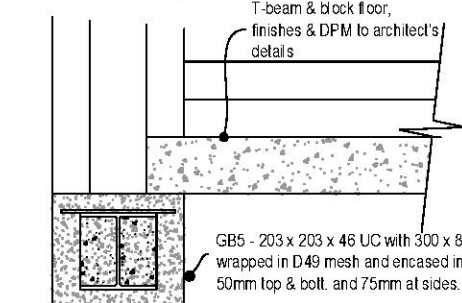
Foundation Layout



GB5 to GB6 Bolted Connection - 1:20

Strip Foundation Notes

- 1. FOUNDATION CONCRETE TO BE GEN1.
- 2. FOUNDATIONS TO BE LOCATED ON FIRM BEARING TO THE SATISFACTION OF LOCAL AUTHORITY.
- 3. SBP OF 100kN/mm2 ASSUMED IN DESIGN
- 4. IF DEPTH SPECIFICATION IS REQUIRED PLEASE FORWARD SOIL REPORT & TREE SURVEY TO THIS OFFICE



GB5 Section Detail - 20

CONCRETE SPECIFICATION

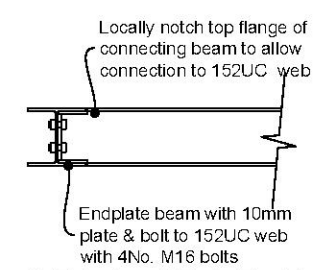
- 1. ALL CONCRETE TO MAIN FOUNDATIONS TO BE C35/20 UNO. CONCRETE STRENGTH TO BE 35N/mm2 AT 28 DAYS U.N.O.
- 2. 50mm BLINDING CONCRETE TO UNDERLIE OF ALL REINFORCED CONCRETE SUB-STRUCTURES U.N.O.
- 3. ALL EXISTING SERVICES TO BE LOCATED ON SITE AND DIVERGED IF NECESSARY TO ALLOW CONSTRUCTION OF FOUNDATIONS
- 4. NORMAL DESIGN MIX IN STRUCTURAL CONCRETE
 - TO THE RELEVANT CLAUSE OF BS5328 Pt 2, 3, 6
 - GRADE C35 MIN
 - NOMINAL MAX. AGGREGATE SIZE TO B2 20mm
- AGGREGATES
 - COARSE TO BS 882
 - SAND TO BS 882
 - CEMENT PC
 - MIN CEMENT CONTENT TO BE 360kg/m3
 - MAX. FREE WATER/CEMENT RATIO TO BE 0.45
 - MAX CEMENT CONTENT TO BE 500kg/m3
 - MAX TOTAL PERCENTAGE OF CHLORIDE ION CONTENT BY MASS OF CEMENT TO BE 0.4%- 5. RATE OF SAMPLING FOR COMPRESSIVE STRENGTH TESTING TO BE 1 PER 10m3 OR 10 BATCHES, THE LESSER BEING USED. MINIMUM OF 1 PER DAY
- 6. ALL STEEL REINFORCEMENT TO COMPLY WITH BS 4449 OR BS 4483, AND CUT AND BENT TO BS 4466. ALL REINFORCEMENT TO BE SUPPLIED BY FIRMS HOLDING A VALID CERTIFICATE OF APPROVAL ISSUED UNDER A PRODUCT CERTIFICATE ON SCHEME OPERATED BY A THIRD PARTY CERTIFICATE BODY WITH APPROPRIATE CATEGORY 2 ACCREDITATION FROM UKAS
- 7. COVER TO ALL REINFORCEMENT TO BE 50mm (MIN). MINIMUM COVER TO BOTTOM FACE OF FOUNDATIONS TO BE 50mm WHEN CAST AGAINST LEAN-MIX MUDJAT, OR 75mm WHEN CAST AGAINST EARTH FACE.
- 8. MAXIMUM DEPTH OF UNSUPPORTED EXCAVATIONS TO BE 1.2m. ALL TEMPORARY SHORING SYSTEMS TO BE CONTRACTOR DESIGNED AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE ON SITE.
- 9. THIS SPEC ASSUMES THAT NO SULPHATE RESISTING CEMENTS REQUIRED, TO BE CONFIRMED BY SOIL TEST OR BY LOCAL AUTHORITY.

PLANNING CONTRACTOR TO FULLY INSPECT SITE BEFORE SUBMITTING HIS TENDER PRICE.

DUE CARE AND CONSIDERATION MUST BE GIVEN TO CHOICE OF PILE DESIGN, GIVEN THE GROUND CONDITIONS AS DESCRIBED IN THE SITE INVESTIGATION REPORT.

PILE DESIGN SHOULD BE CHOSEN SO AS TO MINIMISE DAMAGE TO EXISTING ADJOINING BUILDINGS, EITHER BY VIBRATION OR OTHER MEANS.

LEVEL TO VIBRATIONS CAUSED BY PILING PROCESS TO BE MONITORED BY PILING CONTRACTOR, WITH SPECIFIC CARE AND ATTENTION AROUND EXISTING BUILDINGS

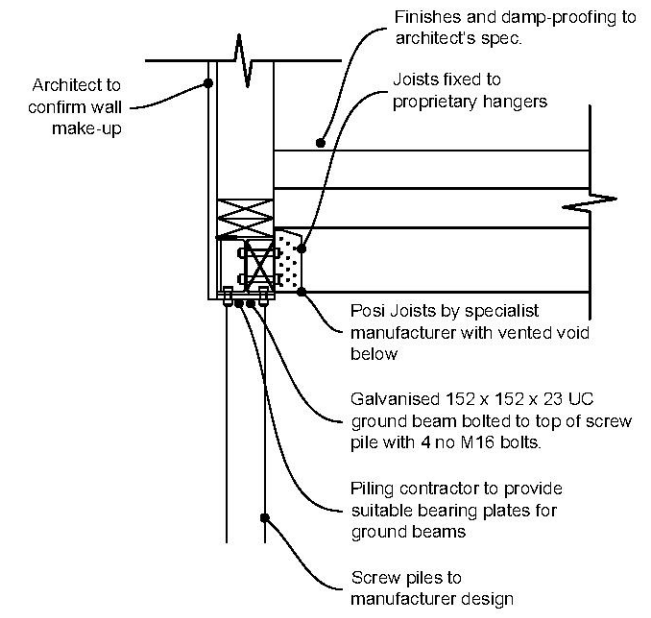


GB2 to GB1 Bolted Connection - 1:20 (GB3 to GB2/GB4 Similar)

FOR ALL DIMENSIONS + ANGLES ETC. REFER TO ARCHITECTS DRAWINGS

NOTES

- 1. VERIFYING DIMENSIONS. THE CONTRACTOR SHALL VERIFY DIMENSIONS AGAINST SUCH OTHER DRAWINGS OR SITE CONDITIONS AS PERTAIN TO THIS PART OF THE WORK.
- 2. SERVICES. APPROVED OPENINGS FOR SERVICES THROUGH THE STRUCTURE ARE INCORPORATED ON THE DRAWING. ANY ADDITIONAL OPENINGS OF A MINOR NATURE REQUIRED BY THE MAIN CONTRACTOR OR HIS SUBCONTRACTORS MUST BE SUBMITTED ON A DRAWING FOR APPROVAL BEFORE WORK COMMENCES.
- 3. APPROVALS. ALL DRAWINGS AND CALCULATIONS SHOULD BE APPROVED BY RELEVANT LOCAL AUTHORITIES PRIOR TO COMMENCEMENT OF WORK ON SITE.



Typical Pile Foundation Section - 1:20

DRAWN BY	DD	CHECKED BY	KA	DRAWING SCALE
DATE	Apr-25	DATE	Apr-25	1:75

CLIENT:

PROJECT:

Proposed Extension & Alterations to 11 Great Wheatley Road, Rayleigh

DRAWING TITLE:

Foundation Layout

JSC Consulting
Structural Design Engineers
Roe Business Centre, 4-6 Killane Road, Limavady, BT49 0DN.
t: 028 7777 8283 t: 028 9099 3553 t: 020 3051 3407
e: info@jscconsulting.co.uk

ARCHITECT	DK Building Design	DWG. STATUS
DRAWING No.	25/0236/01	PRELIMINARY
REVISION	B	TENDER
		CONSTRUCTION
		RECORD

PRELIMINARY
NOT FOR CONSTRUCTION