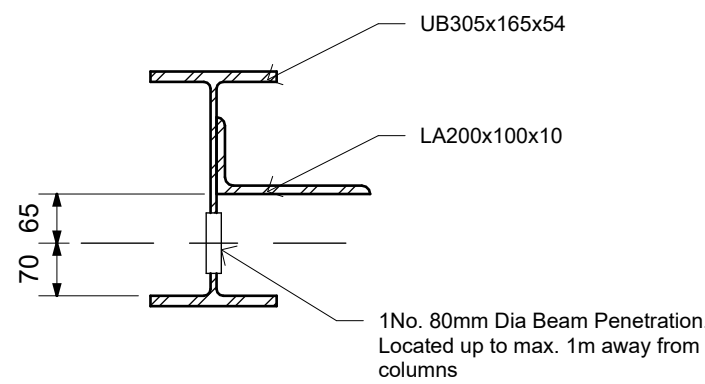
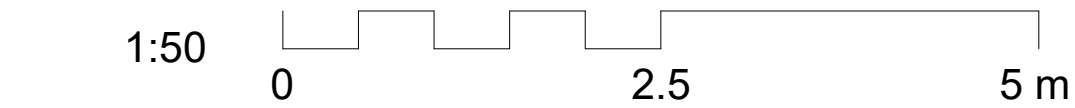
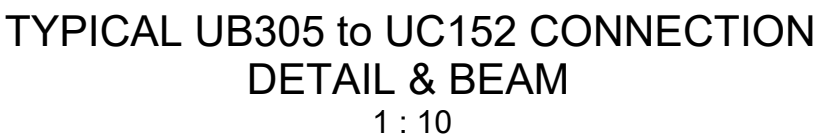




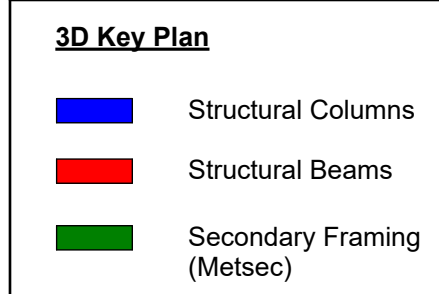
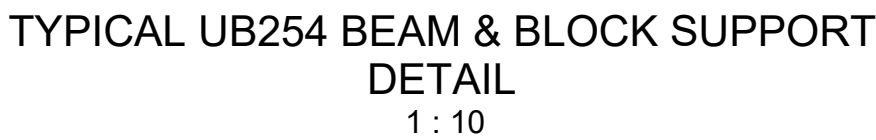
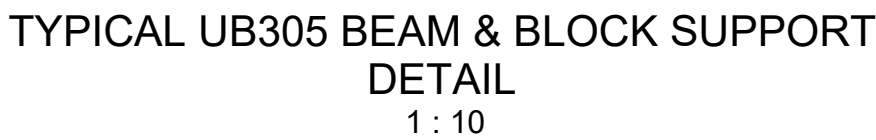
TYPICAL BEAM PENETRATION SECTION
Scale 1 : 10



Notes:

- All external steelwork to be galvanised
- All steelwork to be grade S355

LOWER GROUND FLOOR LAYOUT SHOWING
GROUND FLOOR STRUCTURE
1 : 50



1. All dimensions are in millimetres unless noted otherwise.
2. All levels are shown in millimetres unless noted otherwise.
3. Do not scale from the drawing. Use figured dimensions only.
4. Any discrepancies to be reported immediately to the engineer
5. This drawing is to be read in conjunction with all relevant Architects, engineers, subcontractors and specialists drawings and specifications.

1. Carry out all concrete works in accordance with BS 8004 & BS 8110 and the specification. Keep a copy of these documents available on site.
2. Granular material is to be thoroughly consolidated in layers and all wet spots are encountered, they are to be removed and replaced with granular material compacted in layers. Each layer is not to exceed 225mm after compaction.
3. Strip footings to be central under load bearing walls unless noted otherwise.
4. Formation levels of all strip footings to be min. 600mm below existing ground level.
5. All mass concrete grade to be GEN 3 min. (Sulphates = Design class - DS-1, ACEC class AC-1 (BRE-2005)
6. All concrete work is to be inspected by a competent person (Building Inspector / Engineer) before concrete strip footings are poured.
7. All dimensions to be checked by contractor prior to construction.
8. Average ground bearing pressure of 100KN/m² has been assumed.

2. Carry out all Masonry works in accordance with BS 5628.
3. All load bearing masonry blockwork to be a Min. 7.3N/mm² compressive strength unless noted otherwise.
4. All non load bearing blockwork is to be tied/coursed into load bearing masonry with a 10mm restraint to the adjacent panel.
5. Masonry construction is to be fully tied at floor levels with 50x2000 mild steel straps @ 1800cc.
6. All padstones to be 440x100x215mm deep concrete unless noted otherwise.
7. All steelwork to be grade S275 (Grade43) to E.N.10025 & 10210 (UNO).
8. All universal beams, joists, universal channels & channels to be minimum of S355 grade (UNO).
9. Minimum steel grading for flat plates and angles are S275 grade (UNO).
10. Minimum steel grading for RHS, CHS & SHS are to be S235 grade (UNO).
11. All steelwork to be blasted cleaned to B.S. 5403 second quality and have 75 micron high build zinc phosphate primer.
12. All exterior steelwork is to be galvanneal.
13. All shop and site bolts are to be sherardised to BS 4921: class 1.
14. All bolts to be grade 8.8. Welds min. 6mm fillet UNO.
15. The Steelwork Contractor is responsible for all temporary bracing.
16. Steelwork has been designed in accordance with B.S. 5950, all moments and shear forces indicated are ultimate.
17. Steelwork connections are to be designed by a specialist subcontractor.
18. Fabrication details and design calculations are to be presented to the Engineer and commented upon before fabrication commences.

Refer to architects drawings for setting out information

rev.	drawn	chd.	approved	date	description	
Client						
DAI & RACHEL MORGAN						
Project						
37 St Catherines Road						
Title						
LOWER GROUND FLOOR LAYOUT SHOWING GROUND FLOOR STRUCTURE						
 Vale Consultancy CONSULTING CIVIL & STRUCTURAL ENGINEERS 29 Bocam Park Old Field Road Pencoed Bridgend CF35 5LJ Phone: 01656 863794 Email: Enquiries@vale-consultancy.co.uk						
date	drawn	checked	approved			
AUG 24	JSM	MJ				
scale @ A1		As indicated				
status	drg. no.				rev.	
Info	18910-d				V2	