



Construction Details

GENERAL

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1. This drawing to be read in conjunction with all relevant Engineer's and Architects drawings
 2. The contractor shall check all dimensions on site, any error & or omissions shall be reported to the Engineer before work is commenced.
 3. The latest amendment or revision shall supercede all other issue which shall be destroyed.

CONCRETE

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1. Blinding under pad foundation to be 1:4:8 mix.
 2. All reinforced concrete to be grade 25 (1:1.5:3) mix giving a minimum crushing strength of 17N/mm² and 25N/mm² of 7 and 28 days respectively.
 3. Cement shall be portland cement to comply with BS12.

4. Maximum aggregate

4. Maximum aggregate size shall be 20mm unless otherwise stated
- REINFORCEMENT**
1. R indicate hot rolled mild steel to BS4449.
2. Y indicate cold rolled high tensile steel to BS4461
3. Fabric reinforcement shall be to BS4483.
4. All reinforcement shall be presented to the Engineer prior to concreting.

COVER

COVER
Unless otherwise stated cover to main steel shall be as follows.

1. 50mm to all steel below ground level.
2. 40mm to columns above ground level.
3. 25mm to steel in beams.
4. 20mm to steel in slabs & staircase.

WORKMANSHIP

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1. All concrete work to be in accordance with BS8110.
 2. All reinforced concrete to be mechanically vibrated.
 3. All load bearing blockwork shall be in accordance with CP111
- EXCAVATIONS**
1. All excavations for foundation shall be presented to the Engineer for his approval prior to placing of blinding.
 2. Depth of foundation on all drawing are provisional & the Engineer shall be consulted before final depth is arrived at during construction.

GROUND FLOOR SLAB

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1. Ground floor slab to be cast on compacted & approved hardcore as per specifications & to be reinforced with mild steel of 8mm dia. at 200mm centres, placed 40mm from top.

LEGEND

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- 2. T2 Top second layer
 - 3. B1 Bottom first layer
 - 4. B2 Bottom second layer

Rev.	Date	Revision

ANCHORAGE AND LAP LENGTHS FOR CONCRETE CLASS C25/30 AND STEEL REINFORCING BARS (YIELD POINT 460N/mm²)

		REINFORCING IN TENSION						REINFORCING IN COMPRESSION							
		CLASS	1	2	3	12	13	20	CLASS	1	2	3	12	13	20
ANCHORAGE LENGTH L _a	STRAIGHT BARS ONLY	CLASS	1	2	3	12	13	20	CLASS	1	2	3	12	13	20
			297	407	462	701	791	1081	1300	297	407	462	701	791	1081
ANCHORAGE LENGTH L _a	OTHER BARS	CLASS	1	2	3	12	13	20	CLASS	1	2	3	12	13	20
			434	582	658	976	1091	1451	1744	434	582	658	976	1091	1451
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