



**Construction Details**

- GENERAL**
- This drawing to be read in conjunction with all relevant Engineer's and Architects drawings
  - The contractor shall check all dimensions on site, any error & or omissions shall be reported to the Engineer before work is commenced.
  - The latest amendment or revision shall supercede all other issues which shall be destroyed.
- CONCRETE**
- Blinding under pad foundation to be 1:4:8 mix.
  - All reinforced concrete to be grade 25 (1:1.5:3) mix giving a minimum crushing strength of 17N/mm<sup>2</sup> and 25N/mm<sup>2</sup> of 7 and 28 days respectively.
  - Cement shall be portland cement to comply with BS12.
  - Maximum aggregate size shall be 20mm unless otherwise stated.
- REINFORCEMENT**
- R indicate hot rolled mild steel to BS4449.
  - Y indicate cold rolled high tensile steel to BS4461
  - Fabric reinforcement shall be to BS4463.
  - All reinforcement shall be presented to the Engineer prior to concreting.
- COVER**
- Unless otherwise stated cover to main steel shall be as follows.
- 50mm to all steel below ground level
  - 40mm to columns above ground level.
  - 25mm to steel in beams.
  - 20mm to steel in slabs & staircase.
- WORKMANSHIP**
- All concrete work to be in accordance with BS8110.
  - All reinforced concrete to be mechanically vibrated.
  - All load bearing blockwork shall be in accordance with CP111
- EXCAVATIONS**
- All excavations for foundation shall be presented to the Engineer for his approval prior to placing of blinding.
  - Depth of foundation on all drawing are provisional & the Engineer shall be consulted before final depth is arrived at during construction.

- GROUND FLOOR SLAB**
- Ground floor slab to be cast on compacted & approved hardcore as per specifications & to be reinforced with mild steel of 8mm dia. @ 200mm centres, placed 40mm from top.
- LEGEND**
- T2 Top second layer
  - B1 Bottom first layer
  - B2 Bottom second layer

Rev.	Date	Revision

**ANCHORAGE AND LAP LENGTHS FOR CONCRETE CLASS C25/30 AND STEEL REINFORCING BARS (YIELD POINT 460N/mm<sup>2</sup>)**

ANCHORAGE LENGTH	LAP LENGTH	REINFORCEMENT IN TENSION		REINFORCEMENT IN COMPRESSION	
		BAR DIAMETER (mm)	DEVELOPMENT LENGTH (mm)	BAR DIAMETER (mm)	DEVELOPMENT LENGTH (mm)
STRAIGHT BARS	900	10	1.1L	10	0.7L
		12	1.1L	12	0.7L
BENDS	900	10	1.1L	10	0.7L
		12	1.1L	12	0.7L
OTHER BARS	900	10	1.1L	10	0.7L
		12	1.1L	12	0.7L
LAP LAPPED IN ONE LOCATION	900	10	1.1L	10	0.7L
		12	1.1L	12	0.7L
LAP LAPPED IN TWO LOCATIONS	900	10	1.1L	10	0.7L
		12	1.1L	12	0.7L

**METHODS OF ANCHORAGE**

Client:	M.O.E.	Location:	STEEL PLATFORM		
Surveyed By:	WSTF	2017	Project:	AS SHOWN (A3)	
Designed By:	RFL	2017	Drawing Title:	PLATFORM FOR PLASTIC TANK	
Checked By:	S.I.M.U. / M.O.E.		Drawing Number:	077	Rev: A
TRACED BY:			Rev:		Sheets: 1/1