



NOTES: REINFORCED CONCRETE

1. THE APPLICABLE STANDARD SPECIFICATION IS SANS 12005 : 191 WHICH SHOULD BE READ IN CONJUNCTION WITH THE VARIATION AND ADDITIONS CONTAINED IN THE THEMATIC PROJECT SPECIFICATION FOR CONCRETE (STRUCTURE).
2. CONCRETE COVER TO REINFORCEMENT AND CONCRETE STRENGTH TO BE AS INDICATED. THE COVER IS GIVEN TO THE NEAREST FIVE MILLIMETER COVER TO BE MAXIMUM OF BAR DIAMETER AND AS SHOWN BELOW. SPECIFIED COVER TO BE MAINTAINED USING CONCRETE MORTAR COVER BLOCKS OR APPROVED PLASTIC SPACERS.

ELEMENT	CONCRETE STRENGTH AT 28 DAYS (MPa)	COVER mm
FOUNDATIONS	30	50
COLUMNS	30	45
BEAMS	30	45
SLABS	30	45
WALLS	30	45
CEILINGS	40	30

3. ALL AGGREGATE TO BE 19mm UNLESS OTHERWISE SPECIFIED.
4. CONCRETE DESIGN MIXES TO BE SUBMITTED TO ENGINEER FOR CONFIRMATION PRIOR TO CONSTRUCTION.
5. CURB TESTS TO BE CARRIED OUT ON SITE AND LOGGED WITH POSITION AND DATE. CUBES TO BE TAKEN FOR EACH TYPE OF ELEMENT, AT LEAST ONE SET DAILY AND AT LEAST ONE SET 500^{mm} x 500^{mm} x 500^{mm}.
6. REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 820 AND SHALL BE BENT IN ACCORDANCE WITH SANS 82.
7. ALL CAST IN ITEMS SHALL BE FREE OF OIL, GREASE, DIRT OR ANY OTHER MATERIAL, WHICH MAY IMPAIR THE BOND WITH THE CONCRETE. CONTRACTOR TO REFER TO ARCHITECT'S SPECIALIST DRAWINGS FOR DETAILS OF PROVISIONS OF OPENINGS, SLEEVES, CONDUCING, ETC. FOR STORMWATER, SEWAGE AND OTHER SERVICES.
8. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE GROUND BEARING CAPACITY OF 100 kPa.
9. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
10. REMOVAL OF FORMWORK TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. IT IS THE CONTRACTORS RESPONSIBILITY FOR RACK-PROPPING ON MULTI-STORY SLAB CONSTRUCTION.
11. ALL EXPOSED CORNERS TO BE CHAMFERED 25x5 x 0.1N.

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FOUNDATIONS	30	50
COLUMNS	30	45
BEAMS	30	45
SLABS	30	45
WALLS	30	45
-	40	30