

GENERAL NOTES

1. Design is in accordance with ACI–318 Code, 1995 Specifications.

2. All work shall be carried out in accordance with the job specifications.

3a. All Reinforced concrete in columns & RCC Walls is 4000 psi cylinder strength with min cement content 425Kg/m3 .

3b. All Reinforced concrete except columns & RCC Walls is 3000 psi cylinder strength with min cement content 325Kg/m3 .

4. Design of specified concrete mix shall be submitted by the Conctractor and shall be got approved form the Engineer well before concreting of relevent sturctures alongwith result of test cylinders tested as per ASTM C 39. Test specimens shall be made and cured in accordance with ASTM C 31.

5. All reinforcing steel is Deformed 60,Grade 60000 psi min. yield strength and min. ultimate strength of 90000 psi as per ASTM A–615 specifications.

6. Ordinary Portland cement, conforming to BS–12 / PS–232 shall be used in all R.C.C. work except where it is specifically mentioned in the geotechnical report.

7. Cement from different sources shall not be mixed for the structure.

8. Coarse sand from approved quarries / sources shall be used.

9. Well graded crushed stone from approved quarries / sources shall be used as coarse aggregate. Maximum nominal size of the coarse aggregate shall be 20 mm for all R.C.C. work.

10. Potable water shall be used for concrete and shall be free of organic and other impurities.

11. 60 x 60 mm Precast concrete blocks having compressive strength of 6000 psi. and spaced not more than 1 m c/c shall be used for provision of required cover to main reinforcement. Thickness of these blocks shall be equal to the required cover.

12. All dimensions are given in feet. Written dimensions are to be followed.

13. Unless otherwise shown on the plans, Concrete cover provided for reinforcement shall be as follows;

Footings on 1:4:8

Bottom

2”

Sides

2”

Slabs

3/4”

Beams & Columns

1½”

14. Construction drawings along with bar bending schedule shall be submitted by the contractor for Engineer’s approval well before proceeding any work.

15. All layout, configuration, dimensions and levels shall be verified before proceeding with the work.

16. All reinforcing bars shall be held firmly in place before and during the pouring of concrete by means of adequate number of wires and supports to prevent dislocation during the course of construction.

17. Construction joint not shown on the drawing shall be properly planed and so made and located as to least impair the strength of structure and shall need prior approval of the Engineer. In general they shall be located near the middle of the span of slab and beams. Joints shall be perpendicular to main reinforcement. All reinforcing steel shall be continued properly across the joints.
18. During construction, safety and stability of the structure and all temporary works shall be given prime importance. Utmost care and precaution shall be exercised by the contractor during the work against any mishap or accident.

19. Bars in beams shall be joggled in vertical plane for laps and shall be staggered.

20. All Laps are 60 times bar diameter.

21. Bars in column shall be joggled for laps with starter bars.

22. Postion of bars in beams shall be adjusted keeping in view the position of vertical bars of the columns.

23. Stirrups shall be placed in such a way that their hooks shall be staggered and located in compression face.

24. Concrete test cylinder shall be cured with the same method and under same conditions as those for the concrete work they represent.

25. No concrete shall be poured until its form work and reinforcement has been inspected and approved by the Engineer.

26. Sequence of removal of form work shall be as approved by the Engineer.

27. All structural Drawings shall be read & checked in conjunction with the Architectural Drawings for layout and levels of different members.

28. Existing underground services if any, required to be left in position, shall be carefully protected during excavation.

29. Excavation adjacent to existing structures and/or under–ground services shall be made by hand.

30. Adequate shoring and support to the sides of all excavation shall be supplied and erected where required to safe guard workmen and protect any adjacent structures.

31. Foundations have been designed for assumed bearing capacity of 0.7 T/ft^2 at footing base level. In case of any adverse variety of soil or bearing capacity found during construction, it shall be immediately brought to the notice of Engineer in charge for further instructions.

32. While back filling of excavation for footings compaction shall be done in layers.

33. All conduits and pipes to be laid in concrete shall be located above main reinforcement of slabs and beams and with the approval of the Engineer.

34. Preformed expansion joint filler (non extruding and resilient type) where used shall conform to ASTM 1751 (AASHTO M 213) specification.

35. Excavation including dewatering, bracing of excavation to safeguard the adjoining property and life and dewatering pits in case of rain is contractor’s responsibility. For that matter, a qualified Geo–Technical engineer can be appointed on his role.

NO.	REVISIONS:	DATE
PROJECT		
MARQUEE		
TITLE:		
GENERAL NOTES & SPECIFICATION		
SCALE:	N.T.S	DRAWING NO.
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