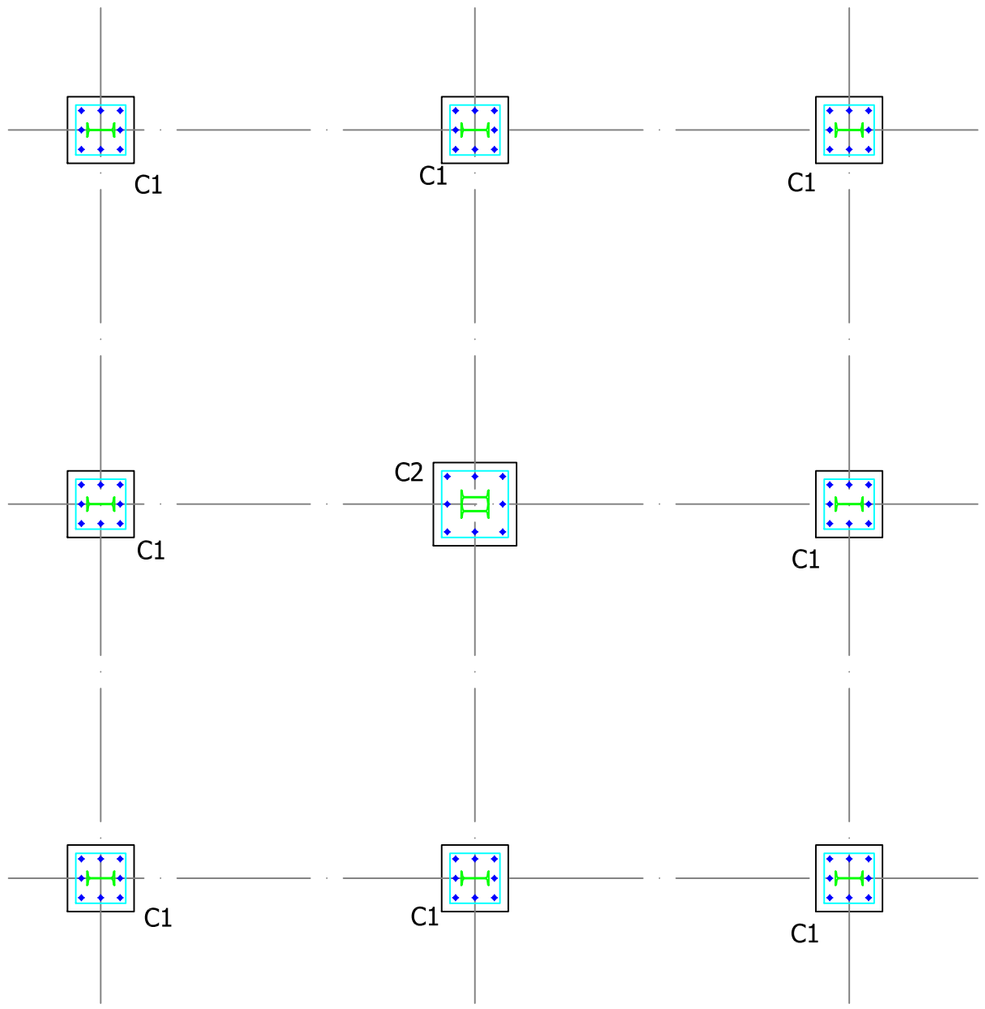
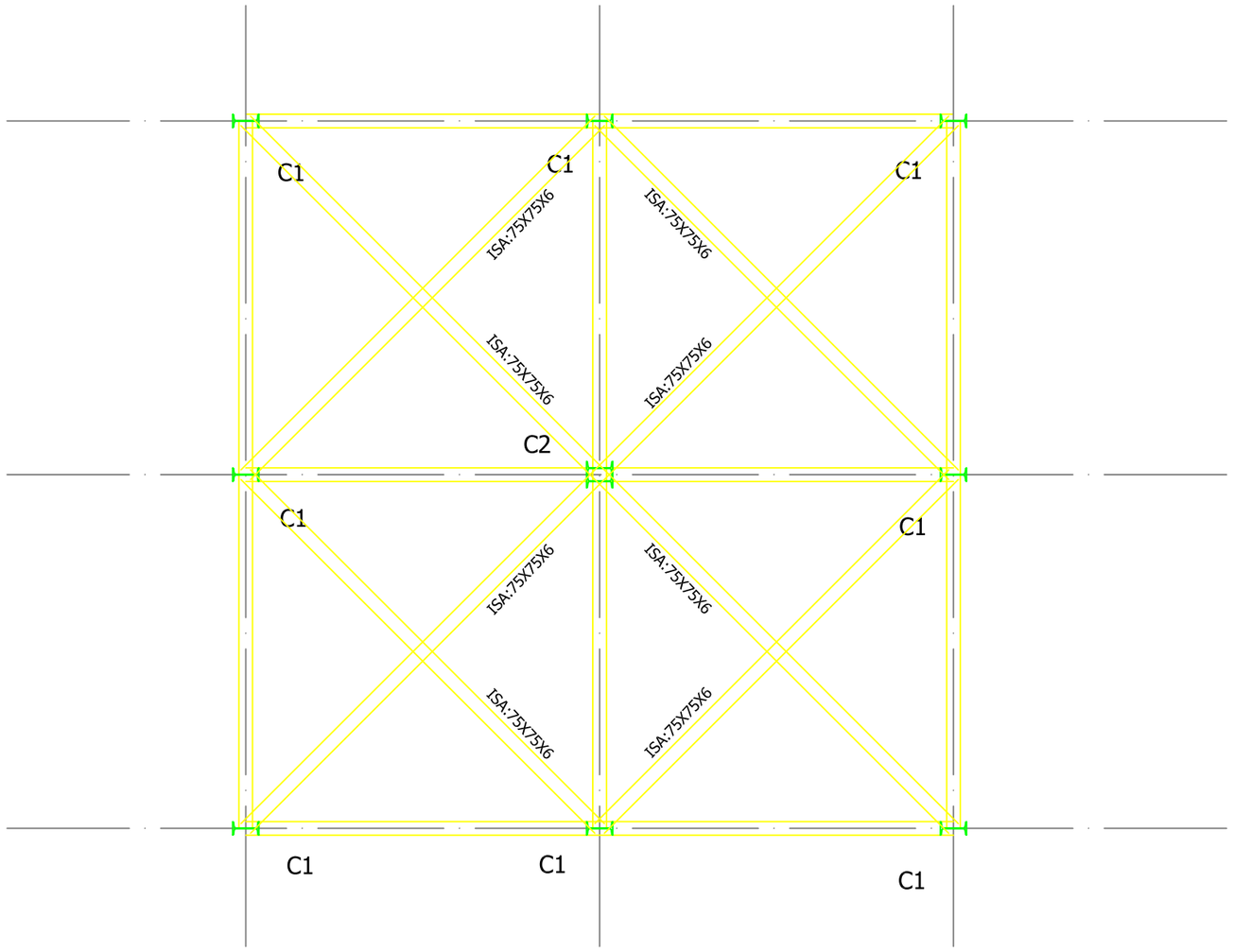
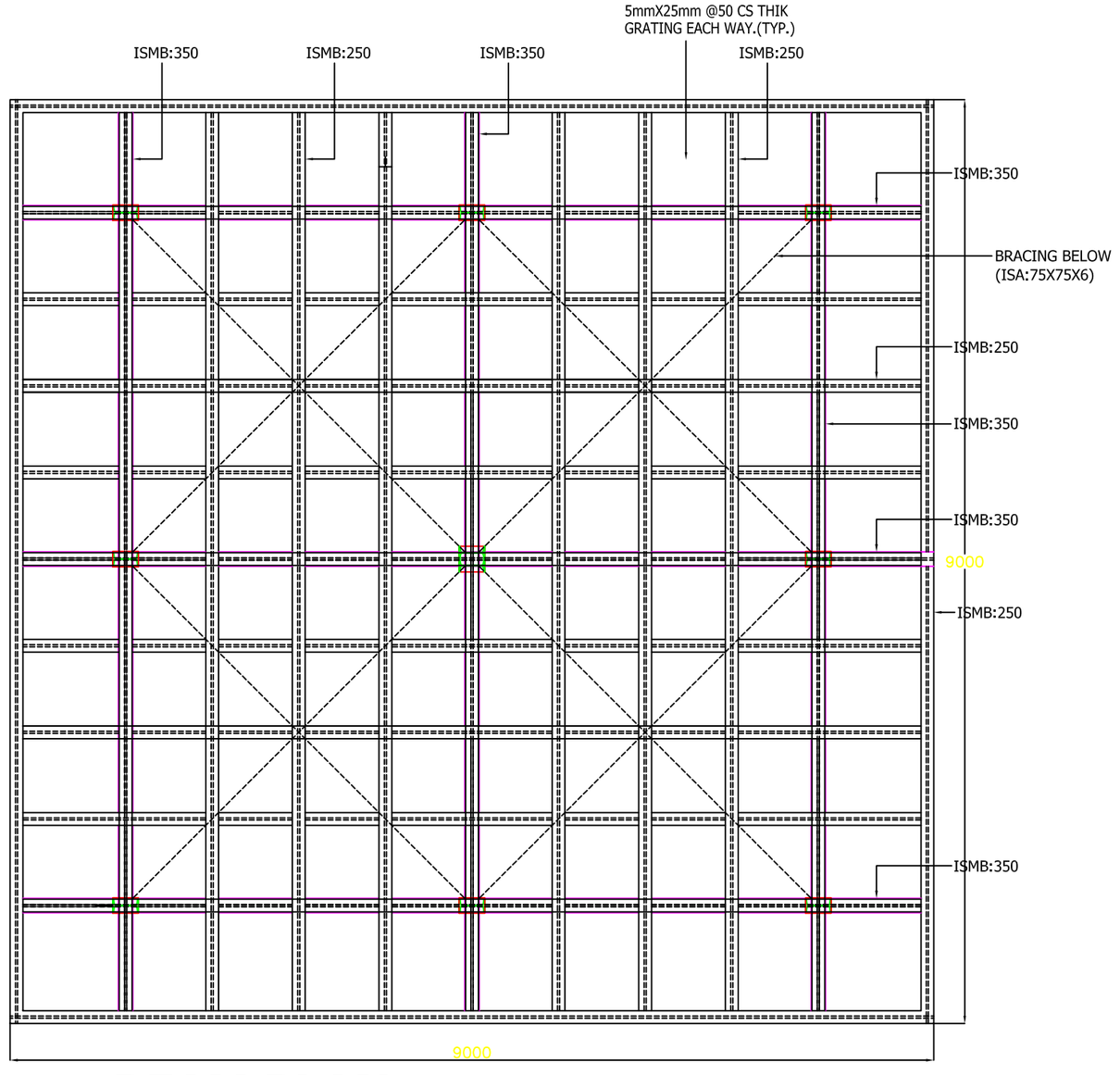


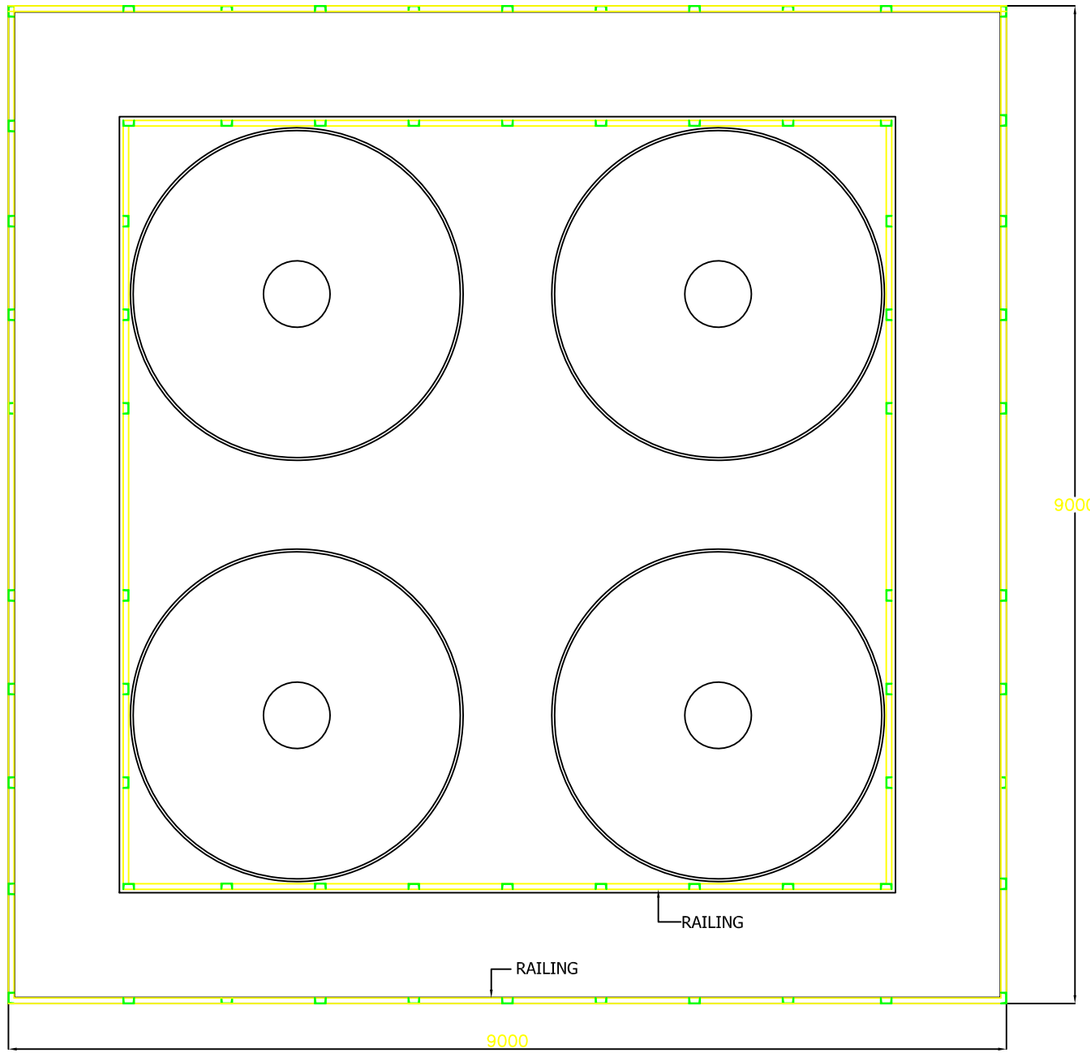
COLUMN ARRANGEMENT PLAN



PLAN AT X-X



BEAM PLAN



TOP PLAN

GENERAL NOTES;

1, ALL DIMENSIONS ARE IN MM U.O.S.

2,THIS DRAWING SHOULD BE READ IN CONJUCTION WITH RELEVANT ARCHITECTURAL /ENGINEERING DRAWINGS AND ANY DISCREPANCY NOTED SHOULD IMMIDIATELY BE BROUGHT TO THE NOTICE OF ENGINEER PRIOR TO EXECUTION.

3,IN CASE OF ANY DISCREPANCY IN DIMENSION.THE DIMENSION OF ARCHITECTURE DRAWING PREVAIL.

4,THE STRUCTURAL DESIGN INCLUDING SAFETY FROM NATURAL HAZARDS SPECIALLY SEISMIC BASED ON SOIL CONDITIONS. HAS BEEN DULY INCORPORATED IN DESIGN OF THE BUILDING & ITS FOUNDATION .

5,ALL MAIN WALLS ARE OF 230 MM.

6,CLEAR COVER TO ALL MAIN REINFORCEMENT BAR SHALL BE ; FOR SLAB - 20MM. COLUMNS- 50MM. BEAMS - 30MM. FOUNDATIONS -75MM.

7, ALL STEEL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS CONFORMING TO I.S: 1786-1985 WITH MIN. YIELD STRESS / 0.2% PROOF STRESS OF 500 N/ SQ. MM (GRADE Fe 500).

8,REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M-25 CONFORMING TO I.S.; 456-2000.

9,CENTER OF FOOTING AND CENTER OF COLUMN SHALL BE KEPT SAME .

10,WATER FOR CONSTRUCTION PURPOSE SHALL CONFORM TO CLAUSE 5.4 OF I.S.-456-2000.

11, REINFORCEMENT IN SHORT SPAN SHALL BE PLACED IN BOTTOM LAYER IN SLABS.

12,LAP SHOULD NOT BE PROVIDED .
a) WITHIN A JOINT
b) WITHIN A DISTANCE 2 d FROM JOINT FACE.
c) WITHIN A DISTANCE ¼ LENGTH OF MEMBER FROM THE JOINT FACE.

13,NOT MORE THAN 50% OF BAR SHALL BE SPLICED AT ONE SECTION.

14,THE REINFORCEMENT DETAILING SHALL BE AS PER IS: 13920.

15,LAP LENGTH/DEVELOPMENT LENGTH(Ld) FOR MAIN REINFORCEMENT BARS AS PER I.S.-456-2000 SHALL BE 49X dia FOR M25 GRADE OF CONCRETE. LAPS SHALL BE STAGGERED , NOT MORE THAN 50% BARS SHALL BE LAPPED AT ONE SECTION. LAPS SHALL BE AVOIDED UPTO 0.25 X L FROM SUPPORT IN BEAMS AND SLABS.

16,ALL BRICKS IN THE MASONRY SHALL HAVE CHARACTERISTIC STRENGTH OF 7.5 N/sq.mm (UNLESS OTHERWISE SPECIFIED) LAID IN 1/6 (1 CEMENT :6 SAND) MORTAR.

17,PLINTH FILLING & BACK FILLING IN FOUNDATION TRENCHES TO BE DONE IN LAYERS AND SHOULD BE WELL COMPACTED AS PER CPWD SPECS.

18, NO FOUNDATION SHALL REST ON LOOSE SOIL STRATA.IN CASE LOOSE SOIL FOUND ARCHITECT/CONTRACTOR MUST BE CONSULTED.

19, NET SAFE BEARING CAPACITY OF SOIL HAS BEEN TAKEN 9.0 T/M² AT 1.2M DEPTH AS PER GT REPORT.

20, ALL STRUCTURAL STEEL SHALL CONFORM TO IS:2062-2011, GRADE 250.

21, ALL WELDS ARE 6MM FILLET WELDS U.N.O. ALL WELDING SHALL CONFORM TO IS:816, IS:1323 & MATERIALS FOR WELDING AS PER RELEVANT I.S CODE SHALL BE USED. WELDING SHALL BE DONE AS PER IS:9595-1996.

22. ALL BOLTS SHALL CONFORM TO IS:1364 & IS:1367.

23, ALL HOLES SHALL BE DRILLED & WITHIN PERMISSIBLE TOLERANCE.

24. USE ONLY NON SHRINK GROUT FOR GROUTING BELOW BASE PLATE.

25, THE DESIGN OF STEEL STRUCTURE IS IN ACCORDANCE WITH IS:800-2007 & WIND LOAD AS PER IS:875 (PART-3)-2015 & SEISMIC ZONE IV.

26, STRUCTURE TO BE PAINTED WITH ONE COAT OF RED LEAD/RED OXIDE ZINC CHROMATE PRIMER AS PER I.S:2074 AFTER FABRICATION INSPECTION & ANOTHER COAT AFTER ERECTION FOLLOWED BY TWO COAT OF FINAL PAINT AS PER APPROVED BRAND, GRADE & QUALITY.

27, ALL ERECTION TO CONFORM TO IS:7205.

28, CONTRACTOR TO PREPARE SHOP DRAWINGS & GET APPROVAL OF ENGINEER IN CHARGE BEFORE START OF FABRICATION.

☐ COMPLETION STAGE ☑ CONSTRUCTION STAGE

☐ TENDER STAGE ☐ CONCEPTUAL STAGE

SUFFIX	DATE	INITIALS	DETAILS

REVISIONS

CLIENT

Bhogapuram International Airport Corporation Ltd
(GOVT. OF ANDHRA PRADESH)

CONSULTANT

RITES
THE INFRASTRUCTURE PEOPLE
AIRPORTS DIVISION
(ISO – 9001 CERTIFIED)

JOB TITLE

DEVELOPMENT OF GREEN FIELD AIRPORT
AT ORVAKALLU
(KURNOOL), A.P., FOR DAY VFR
OPERATIONS OF ATR 72 AIRCRAFT

DRAWING TITLE

STEEL STRUCTURE STAGING
FOR 1.0 LAKH LITRES
CAPCITY WATER TANK
PLANS & DETAILS

Job. No.		Drg. No. RITES/AP/KURNOOL/ST-01/OHT-02
Scale NTS	Date JAN 2018	Revision Suffix

DRAWN	DEALT	P.CORD.	APPROVED BY