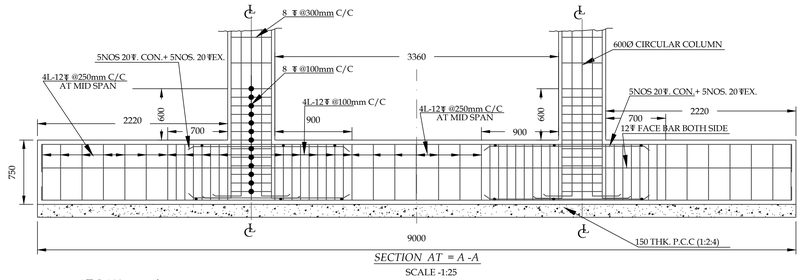
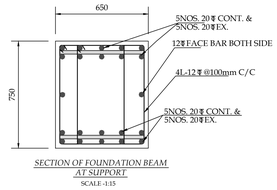
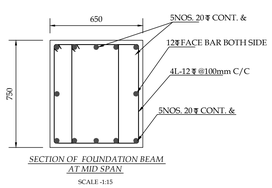


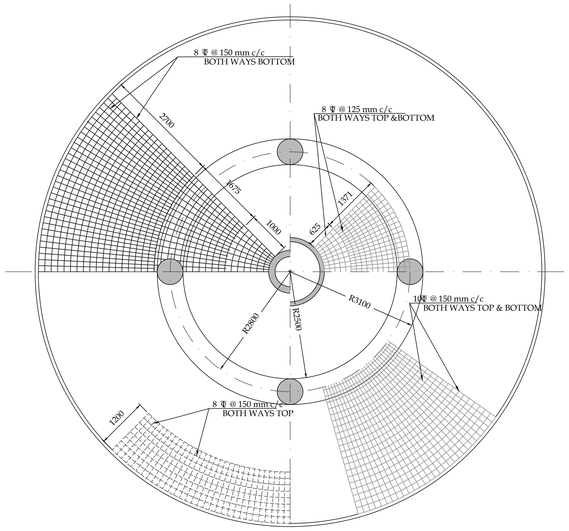
SECTION AT = A -A
SCALE -1:25



SECTION OF FOUNDATION BEAM AT SUPPORT
SCALE -1:15



SECTION OF FOUNDATION BEAM AT MID SPAN
SCALE -1:15

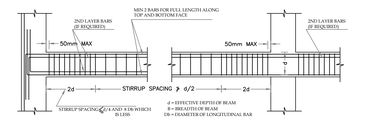


REINFORCEMENT DETAILS OF ROOF DOME SLAB
SCALE -1:50

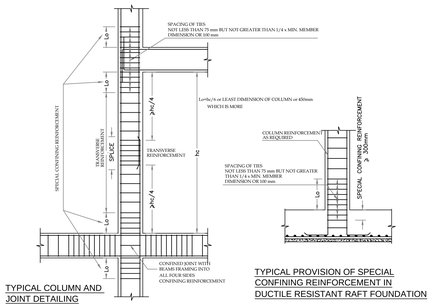
REINFORCEMENT DETAILS OF CONICAL SLAB & BOTTOM DOME
SCALE -1:50

TYPICAL BEAM- COLUMN EXTERNAL DUCTILE RESISTANT JOINT

TYPICAL LAP SPLICE IN BEAM IN DUCTILE RESISTANT STRUCTURE

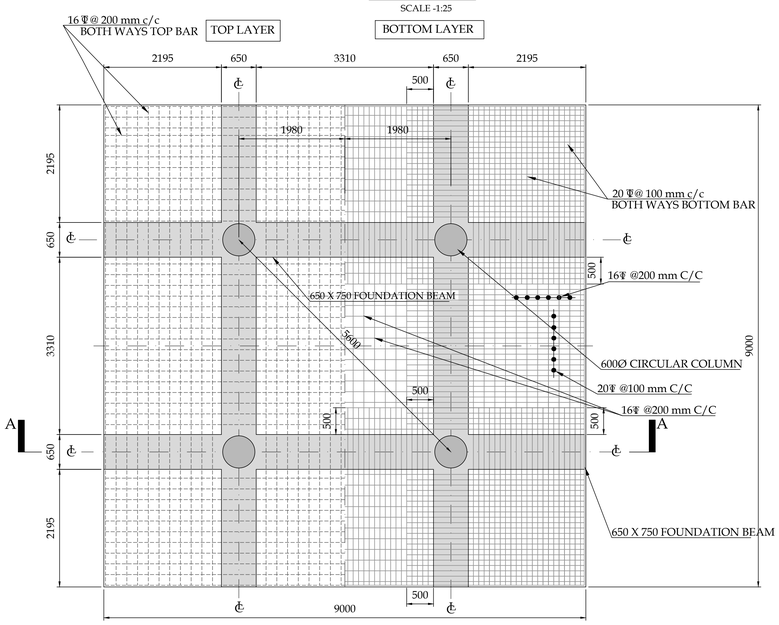


TYPICAL BEAM REINFORCEMENT IN DUCTILE RESISTANT STRUCTURE

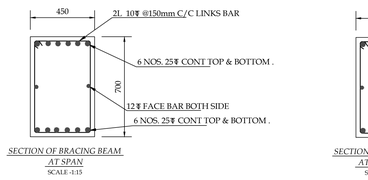


TYPICAL COLUMN AND JOINT DETAILING

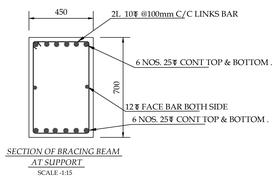
TYPICAL PROVISION OF SPECIAL CONFINING REINFORCEMENT IN DUCTILE RESISTANT RAFT FOUNDATION



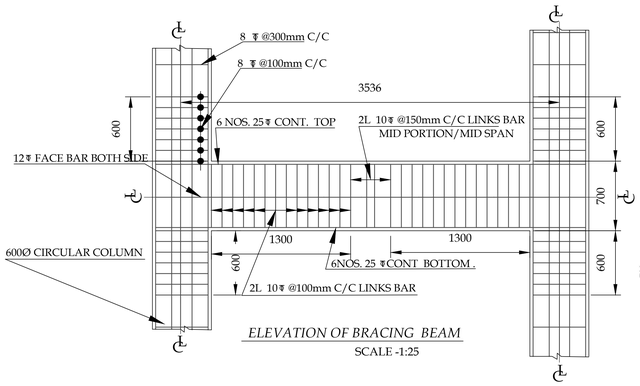
SECTIONAL PLAN OF FOUNDATION
SCALE -1:40



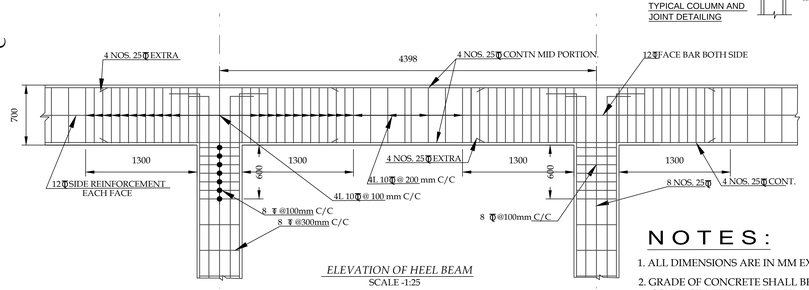
SECTION OF BRACING BEAM AT SPAN
SCALE -1:15



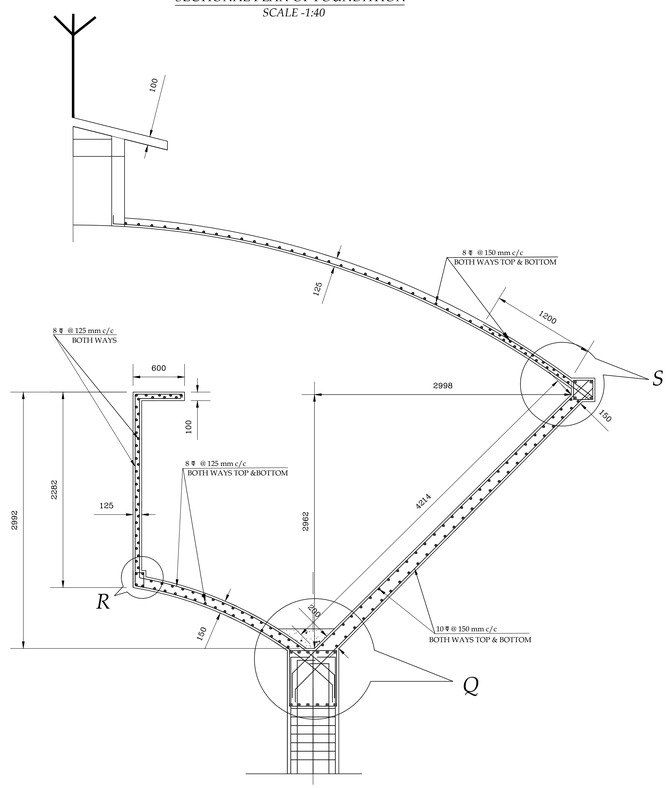
SECTION OF BRACING BEAM AT SUPPORT
SCALE -1:15



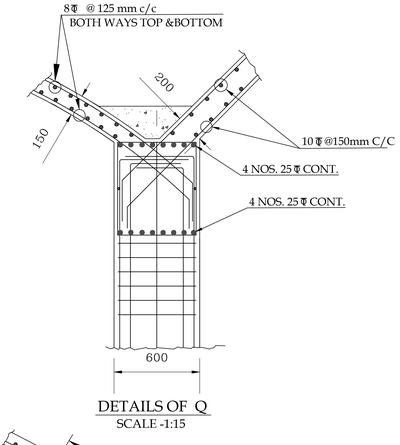
ELEVATION OF BRACING BEAM
SCALE -1:25



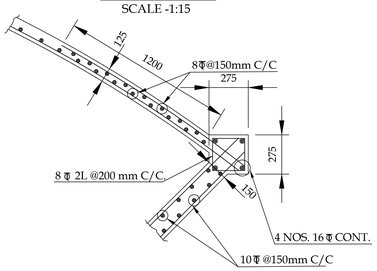
ELEVATION OF HEEL BEAM
SCALE -1:25



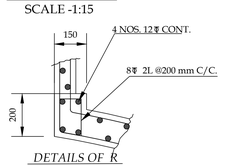
DETAILS OF SECTIONAL ELEVATION
SCALE -1:25



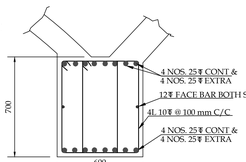
DETAILS OF Q
SCALE -1:15



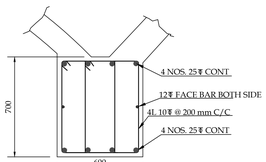
DETAILS OF S
SCALE -1:15



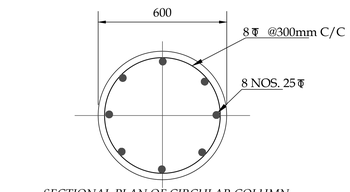
DETAILS OF R
SCALE -1:10



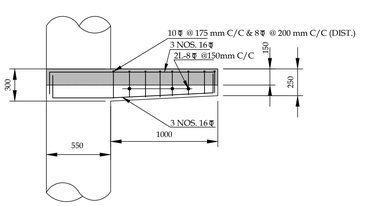
SECTION OF HEEL BEAM AT SUPPORT
SCALE -1:15



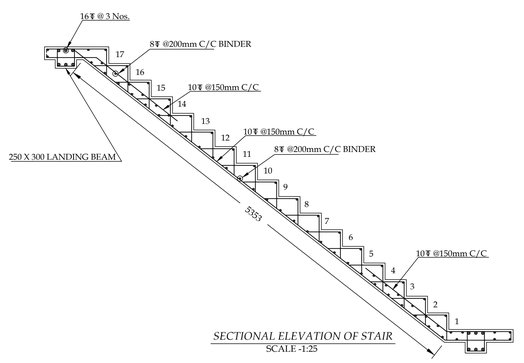
SECTION OF HEEL BEAM AT SPAN
SCALE -1:15



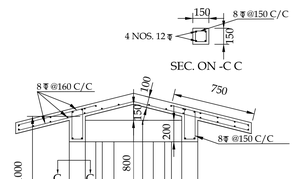
SECTIONAL PLAN OF CIRCULAR COLUMN
SCALE -1:10



SECTIONAL ELEVATION OF STAIR BEAM &LANDING
SCALE -1:20



SECTIONAL ELEVATION OF STAIR
SCALE -1:25



SECTIONAL ELEVATION ON LANTERN
SCALE-1:20

NOTES:

1. ALL DIMENSIONS ARE IN MM EXCEPT OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-30 FOR STRUCTURE IN DIRECT CONTACT WITH WATER IN TANK PORPER i.e.FOR HEAL BEAM, SHELL WALL, CONICAL FLOOR, BOTTOM RING BEAM, FLOOR DOME,TOP DOME, AND LANTERN ETC.
3. GRADE OF CONCRETE SHALL BE M-25 FOR OTHER STRUCTURES.
4. GRADE OF STEEL SHALL BE HYS DEFORMED BARS CONFORMING TO IS-1768 OF 1985 (Fe-415).
5. LAP & DEVELOPMENT LENGTH TO REINFORCEMENT SHALL BE PROVIDED AS PER IS RECOMMENDATION & LAPS SHALL BE STAGGERED EXCEPT OTHERWISE STATED.
6. FOUNDATION HAS BEEN DESIGNED ON THE BASIS OF AN ALLOWABLE BEARING CAPACITY OF SOIL AS 75 KN/M^2.
7. COVER TO REINFORCEMENT SHALL BE PROVIDED AS FOLLOWS
   i) FOUNDATION =50MM ii) COLUMN=40 MM iii) BRACING & BEAM=30 MM
   iv) INSIDE SURFACES OF TANK PROPER =45 MM
   v) OTHER STRUCTURES=30 MM
8. THE STRUCTURE HAS BEEN DESIGNED CONSIDERING RESPONSE SPECTRUM METHOD FOR SEISMIC EFFECT AS PER IS-1893 OF 2002 PERTAINING TO ZONE-IV AND IMPORTANCE FACTOR 1.5
9. ALL C.I. CAT LADDER SHALL BE 450 WIDE & PROVIDE WITH HAND RAILING & SHALL BE ERECTED AT ANGLE OF 70° WITH HORIZONTAL.
10. ALL INSIDE SURFACES OF TANK IN CONTACT WITH WATER SHOULD BE FINISHED WITH 10 MM THK. CEMENT PLASTER (1:3) AND 3 MM THK. NEAT CEMENT PUNNING WITH SUITABLE WATER PROOFING COMPOUND .
11. STRUCTURAL & OTHERS DETAILS MAY BE MODIFIED ACCORDINGLY FOR THE VARIATION IN THE BEARING CAPACITY OF SOIL & THE ACTUAL SITE CONDITION.
12. DUCTILE RESISTANCE STRUCTURE DRAWING HAS BEEN PREPARED AS PER I.S. 13920 - 1993 .
13. ALL OUTSIDE SURFACES TO BE FINISHED WITH 10 MM THK. CEMENT PLASTER (1:4).
14. THIS DRAWING SHOULD READ IN CONJUNCTION WITH SHEET NO - 1 of 2

GOVERNMENT OF WEST BENGAL
OFFICE OF THE SUPERINTENDING ENGINEER
PLANNING CIRCLE-I, PHE DTE.

TITLE: *REINFORCEMENT DETAILS OF R.C.C ELEVATED RESERVOIR CAPACITY 150 CUM (TORCH TYPE) STAGING HEIGHT 20 METER*

P.S. GHOSAL ASSISTANT ENGINEER PLANNING & DESIGN DEVISION-I P.H.E. DTE.	M. MUKHERJEE EXECUTIVE ENGINEER INVESTIGATION UNIT-I P.H.E. DTE.	B.K. DATTA SUPERINTENDING ENGINEER PLANNING CIRCLE-I P.H.E. DTE.
SCALE (R.F.) = AS SHOWN	DRAWING NO: PC-I/O.H.R./15/2012	SHEET NO : 2 of 2
DRAWN BY : SANTA NATTA (DRAUGHTSMAN) PLANNING & DESIGN DEVISION-I,P.H.E. DTE.		