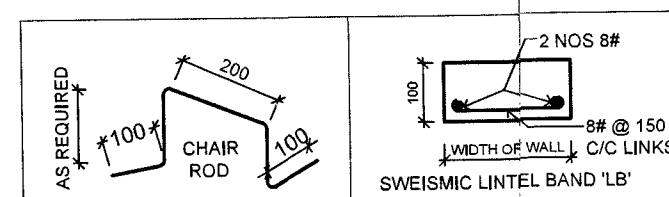


NOTES:-

1. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
2. FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE SHOWN.
4. THE MIX (GRADE) OF CONCRETE FOR R C C WORK SHALL BE M - 25 (DESIGN MIX).
5. ALL REINFORCEMENT IN R C C WORK SHALL BE HIGH STRENGTH STEEL BARS OF FE - 500 D GRADE PRODUCED BY TMT PROCESS CONFORMING TO REQUIREMENTS OF IS -1786-2008. MINIMUM ELONGATION OF BARS SHALL BE 18%.
6. FOUNDATION HAS BEEN DESIGNED FOR SBC OF 20 TON / M² AT 2000 MM DEPTH BELOW LOWEST NATURAL GROUND LEVEL. IN CASE OF ANY VARIATION, THE MATTER SHALL BE REFERRED TO THIS OFFICE FOR REDESIGNING OF FOOTING. GARRISON ENGINEER SHALL ENSURE SBC OF SOIL BEFORE EXECUTION OF THE WORK.
7. THE FOUNDATION SHALL NOT REST ON TREACHEROUS, ORGANIC OR FILLED UP SOIL. MINIMUM DEPTH OF FOUNDATION SHALL BE 2000 MM FROM LOWEST ORIGINAL NATURAL GROUND LEVEL.
8. ALL R C C MEMBERS HAVE BEEN DESIGNED FOR FOLLOWING PARAMETERS AS PER IS : 456-2000, IS : 1893-2016, IS :13920-2016.
 - (a) EXPOSURE CONDITION - MODERATE (FROM DURABILITY CRITERIA).
 - (b) FIRE RATING - 1.5 HOURS.
 - (c) NOMINAL COVER TO REINFORCEMENT INCLUDING LINKS.
 - (i) SLAB : 30 mm
 - (ii) BEAMS : 40 mm
 - (iii) COLUMNS : 40 mm
 - (iv) FOUNDATIONS : 50mm
 - (v) OTHER R C C MEMBERS : 20 mm
 - (d) SEISMIC ZONE - ZONE III AS PER IS : 1893-2016.
9. CANTILEVER SLABS, BEAMS SHALL BE CAST MONOLITHIC WITH SLAB / BEAM UNLESS OTHERWISE INDICATED IN THE DRGS. REINFORCEMENT BARS AT BEAM -BEAM, COLUMN - BEAM JUNCTIONS WILL BE PROVIDED WITH FULL DEVELOPMENT LENGTH AS SHOWN IN TYPICAL DETAILS.
10. WHEREVER BEAM IS RESTING ON BEAM, THE SPACING OF STIRRUPS IN SUPPORTING BEAM SHALL BE PROVIDED AT HALF OF THE NOMINAL SPACING ON EITHER SIDES UPTO 1.5 TIMES DEPTH OF BEAM WITH PROVISION OF 2 NOS 10 # HANGERS BARS AS PER STANDARD PRACTICE.
11. DISTRIBUTION BARS WHEREVER REQUIRED AND NOT SHOWN IN DRGS SHALL BE 0.12% OF CROSS SECTION AREA WITH MAXIMUM SPACING OF 300 c/c.
12. WHEREVER TWO TYPE OF BEAMS MEET AT ONE SUPPORT, THE EXTRA BAR AT TOP AS SHOWN IN DETAIL S BEAMS SHALL BE PROVIDED AS HIGHER OF TWO.
13. FOUNDATION SHOULD NOT REST ON BC SOIL AND IN CASE BC SOIL IS ENCOUNTERED BEYOND THE DEPTH OF FOUNDATION, MATTER SHALL BE REFERRED TO THIS OFFICE FOR REDESIGNING OF FOUNDATION.
14. SERVICE TANK SHALL BE PROVIDED AT SLAB OVER BEAMS, AS PER LOCATION SHOWN ON DRAWING ONLY CAPACITY OF 01 TANK WILL BE MAXIMUM 1000 LTR's.
15. FOR SUNKEN SLAB CI / PVC PIPE SLEEVE OF SUITABLE DIA IS EMBEDDED IN BEAM FOR PASSING OF SOIL AND WASTE PIPES AT THE TIME OF CASTING. BEAM SHALL NOT BE BROKEN FOR THIS PURPOSE.
16. DETAILING OF REINF & CHAIR SHALL BE AS PER IS : 5525, SP - 34 AND IS :13920.
17. BENDING AND FIXING OF BARS FOR CONCRETE REINF SHALL BE IS : 2502.
18. FOR CONCRETE ALL AGGREGATE SHALL CONFIRM TO REQUIREMENT OF IS : 383-1970.
19. QUALITY OF WATER SHALL BE AS PER IS : 456 - 2000.
20. LAP SPLICES SHALL BE AS PER IS : 456 - 2000 AND SP-34.
21. HALF BRICK WALL SHALL BE TAKEN FROM PCC SUB-BASE IN GROUND FLOOR IF NOT LOCATED ABOVE THE PLINTH BEAM. IN CASE OF HALF BRICK / BLOCK WALL OVER SLAB EXTRA REINFORCEMENT SHALL BE PROVIDED IN SLAB AS PER TD CEPZ/2021/TD/01/STR DATED 19/08/2021 SHEET NO 2/3 FIG. NO 17.
22. TORSION REINFORCEMENT IN SLABS WILL BE PROVIDED AS PER TD- CEPZ / 2021/ TD/01/STR. SHT NO 2/3 FIG. 9
23. CRUMPLE JOINT SHOULD BE 50 MM AS SHOWN ON DRAWING.
24. THE SLOPE FOR THE ROOF SHALL BE MAINTAINED IN R C C SLAB UNLESS OTHERWISE SPECIFIED SO THAT THE THICKNESS OF ROOF TREATMENT REMAINS CONSTANT AT ALL POINTS.
25. ALL WALLS ARE NON LOAD BEARING WALLS AND THESE SHALL BE CONSTRUCTED ONLY AFTER RCC FRAME STRUCTURE IS COMPLETED.
26. ALL OPENINGS SHALL BE PROVIDED WITH LINTEL AS PER TD UNLESS BEAMS ARE SPECIFICALLY INDICATED AT THE LOCATION.
27. REINFORCEMENT CAN BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY BUT 25 # SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS @ 900 c/c.
28. WHEREVER BRICK WORK LENGTH INCREASE BY MORE THAN 4.00 MTRS. PROVIDE VERTICAL BANDS AT EVERY 3.00 MTRS OR CENTER OF SPAN WHICH EVER IS LESS MINIMUM SIZE OF 200 X 200 WITH 4 NOS 10 # BARS AND STIRRUPS 8# @150 C/C.
29. THE DIA OF CHAIR ROD SHALL BE SAME AS MAX DIA OF CORRESPONDING SLAB, PROVIDE MIN 12 MM Ø TOP REINFORCEMENT. THE CHAIR ROD SHALL BE PROVIDED AS @ ONE PER SQM AREA WITH TOP FACE REINFORCEMENT.



30. WHEREVER FOUNDATIONS ARE PLACED ON A ROCK, GE WILL ENSURE THAT THERE ARE NO LOOSE POCKETS OR OVER EXCAVATIONS. IT SHALL BE FILLED BY PLAIN CEMENT CONCRETE 1:2:4.
31. HEIGHT OF SOFFIT OF LINTEL BEAMS (LB' s) SHALL BE AS INDICATED IN ARCH DRGS. IN CASE HEIGHT OF SOFFIT OF LB'S IS NOT INDICATED IN THE ARCH DRGS, THE SAME SHALL BE TAKEN AS 2000/2100 FROM FINISHED FLOOR LEVEL OF RESPECTIVE FLOOR.
32. COVER BLOCK SHOULD BE OF M 25 DESIGN MIX CONCRETE.
33. BLOCK MASONRY IN CONTACT WITH R C C COLUMN SHALL BE BONDED TO COLUMN WITH FLAT IRON OF SIZE 400 MM X 40 MM X 3 MM AT EVERY FOURTH BLOCK LAYER HALF EMBEDDED IN COLUMN AND HALF IN BLOCK WORK.

34. WHEREVER OVERALL DEPTH OF BEAM IS 600 OR MORE, SIDE FACE REINFORCEMENT OF 2 NOS 12 # ON EACH FACE SHALL BE PROVIDED IF NOT SHOWN IN SCHEDULE.
35. Ld = 50 X DIA OF BAR.
36. IN CASE OF ANY DISCREPANCY / MISSING DETAIL CONFINING REINFORCEMENT WILL BE PROVIDED AS PER IS : 13920 - 2016, IS : 456-2000 & SP-34.
37. BOTTOM OF ALL FOOTINGS SHALL BE KEPT AT ONE LEVEL.
38. TOP OF PLINTH BEAMS SHALL BE AT 200 MM BELOW FFL.
39. WATER TABLE IS ASSUMED TO BELOW FOOTING LEVEL. IN CASE WATER TABLE IS FOUND ABOVE FOOTING LEVEL DURING EXCAVATION, IT SHOULD BE IMMEDIATELY BROUGHT TO THE KNOWLEDGE OF DESIGN SECTION & FOOTING DESIGN IS TO BE AMENDED.
40. ALL MASONRY WALLS SHALL BE CONSTRUCTED WITH AEP AUTOCLAVE AERATED CONCRETE BLOCK (AACB) CONFORMING TO IS CODE.
41. WHEREVER THERE IS A DIFFERENCE IN SPACING OF COLUMN TIES AS SHOWN IN RESPECTIVE DRAWING AND THAT SHOWN IN TD, THE LEASER SPACING SHALL BE ADOPTED.
42. ORIENTATION OF COLUMN SHALL BE AS PER STRUCTURAL DRAWINGS AND ALIGNMENT OF COLUMNS WITH REFERENCE TO WALLS SHALL BE AS PER ARCHITECTURAL DRGS. ALIGNMENT OF PLINTH BEAMS/FLOOR BEAMS/ ROOF BEAMS (i.e WHETHER THE BEAMS ARE FLUSHED WITH EXTERNAL FACE OR INTERNAL FACE OF COLUMN OR IN THE CENTER OF COLUMN SHALL BE AS PER ARCHITECTURAL DRAWINGS.
43. HALF BRICK WALL :- RCC BEAM AT LINTEL LEVEL SHALL BE PROVIDED THROUGH OUT THE LENGTH OF WALL & THE REINFORCEMENT SHALL BE ANCHORED TO COLUMN BY CHEMICAL FASTENERS OR OTHER MECHANICAL MEANS. REINFORCEMENTS 4 NOS. 10MM DIA BARS TO BE PROVIDED WITH 8MM STIRRUPS @ 150MM C/C. MINIMUM SIZE OF BAND SHALL BE 100 X 250MM IRRESPECTIVE OF WHATEVER MENTIONED ANYWHERE.
44. LINTEL BEAMS SHALL ALSO BE PROVIDED ON ALL OTHER EXTERNAL WALLS/WALLS WITH OPENINGS THROUGHOUT THE LENGTH AS PER LINTEL BEAM (LB-1) SHOWN IN SHEET NO 03/03.
45. ALL CORNERS OF DISCONTINUOUS SLABS PROJECTIONS SHALL BE PROVIDED 3 - #12 BARS DIAGONALLY ON TOP FACE.
46. IN ADDITION TO SELF TAPPING SCREWS, TRANSPARENT SHEET OVER THE STEEL FRAME SHALL BE SECURED IN PLACE WITH WIND TIE OF 40 X 3MM MS FLAT ALONG THE CURVED EDGE AT BOTH ENDS.

REFERENCES TO DRG:-		
SHEET NO.	DESCRIPTION	
CEPZ/2021/TD/01 / STR D-19 /08/2021	1/3 TO 3/3	GENERAL NOTES AND GENERAL STRUCTURAL DETAILS
CEPZ/2009/TD/06 / STR D-24 /04/2009	1/1	TYPICAL DETAIL OF CRUMPLE SECTION

SL NO	DATE	DESCRIPTION	INITIAL
REVISION			

PROVN OF EQUIPMENT TRAINING CLASS ROOM BLOCK WITH TOILET FOR MAC GP MIC & S AHMEDNAGAR

GENERAL NOTES

DATE	14 MAR 2026	CHIEF ENGINEER PUNE ZONE PUNE	
DRN	-		
TCD	-		
CKD	-		
SCALE	1:100	MILITARY ENGINEER SERVICES	
DRG.NO	CEPZ/2026/ANR/ 06 /STR(A)	SHT.NO	01/03

(DESIGN)

DIR DESIGN