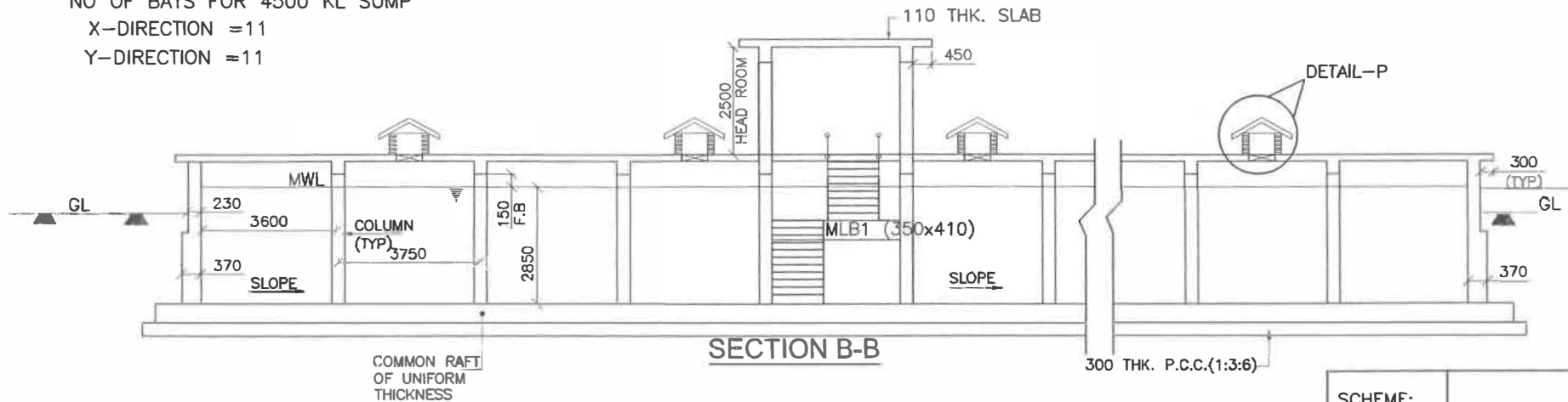


**SECTION A-A**

NO OF BAYS FOR 4500 KL SUMP

X-DIRECTION = 11

Y-DIRECTION = 11



**SECTION B-B**

- NOTE:-1) PROVIDE SAND FILLING-300 MM AS PER SITE CONDITION  
 2) IF RESIDUAL HEAD PERMITS, KEEP THE MAX. HEIGHT OF SIDE WALL ABOVE THE GROUND TO AVOID UPLIFT AND ALSO FACILITATES TO DEVELOP POSITIVE SUCTION HEAD  
 3) PROVIDE 200X200 HAUNCH WITH Y12 @250 c/c

*AEE*  
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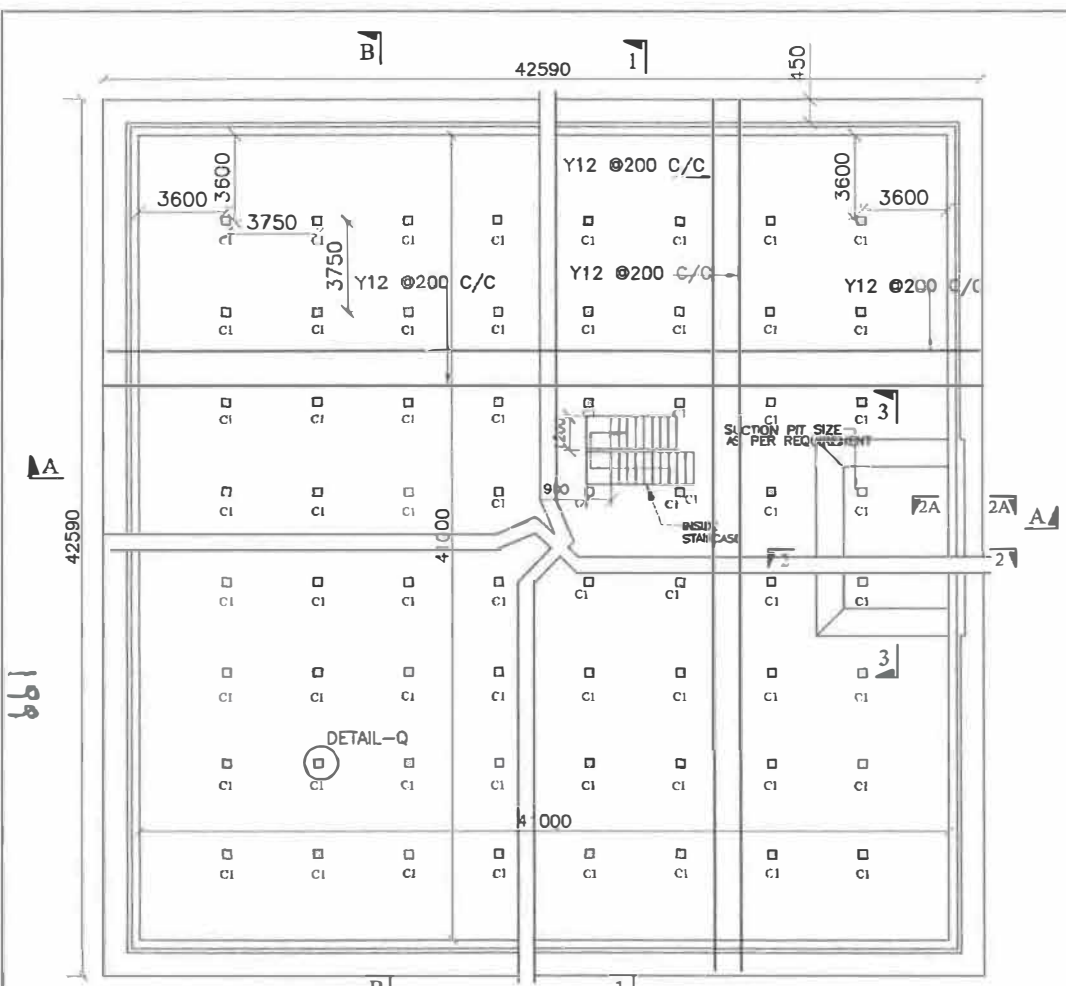
*POR*  
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//APPROVED//

*EE*  
 CHIEF ENGINEER-II,  
 RWS&S,VIJAYAWADA

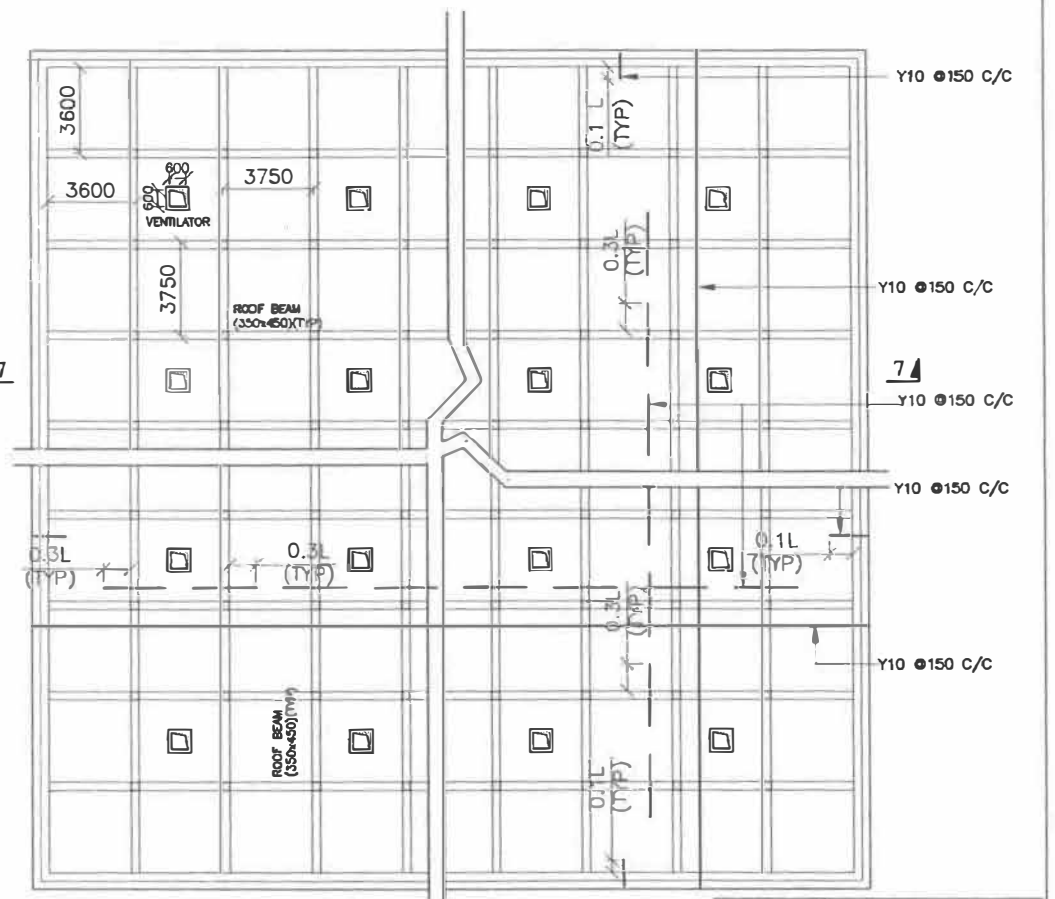
SCHEME:		
CAPACITY:	4500 KL SUMP	
LOCATION:		
SHEET NO	2	SBC- >=5 T/M <sup>2</sup>



DETAIL AT RAFT LEVEL  
**NO OF BAYS FOR 4500 KL SUMP**

X-DIRECTION = 11  
 Y-DIRECTION = 11  
 NOTE: SUMP IS NOT DESIGNED FOR UPLIFT CONDITION  
 SUMP IS SAFE IF WATER TABLE  $\geq$  2.5M BELOW GROUND LEVEL

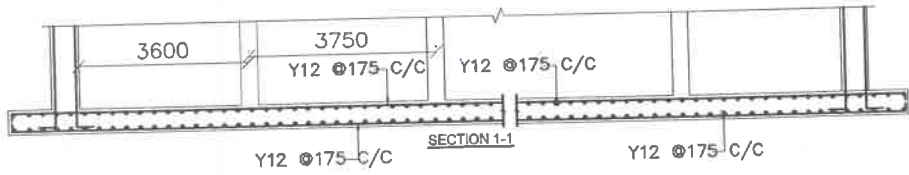
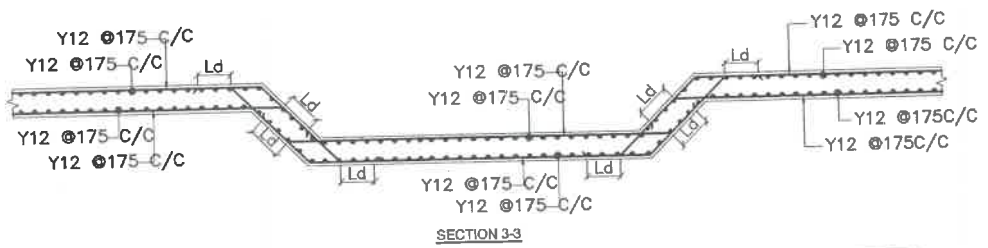
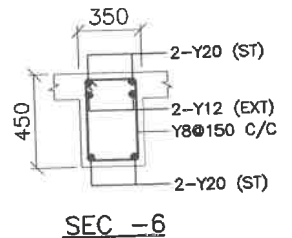
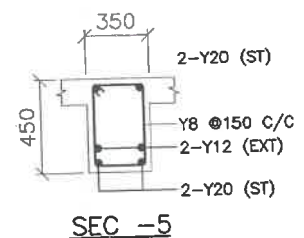
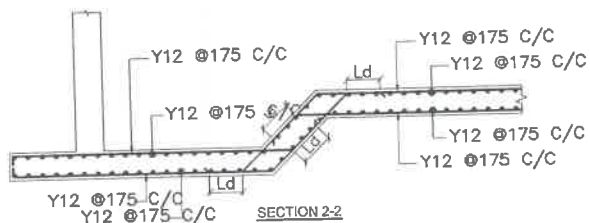
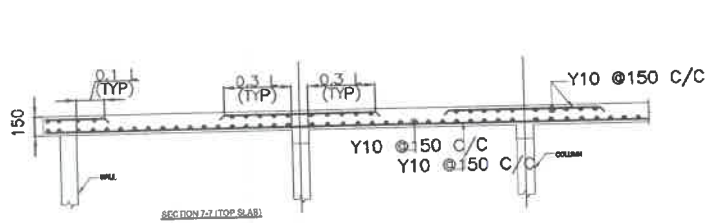
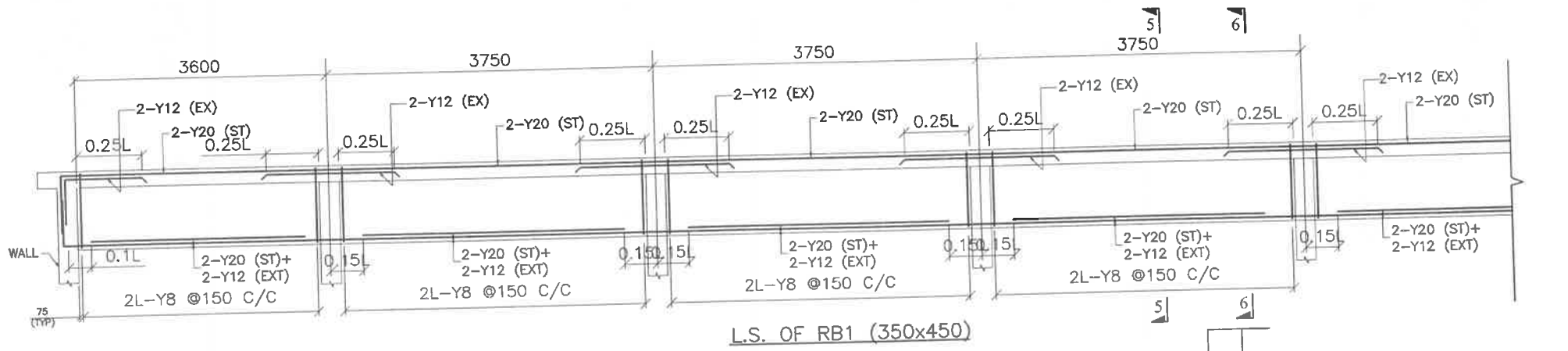
*Pravin AEE 26/4/21*  
*Pop DEE*



REINFORCEMENT DETAILS OF ROOF SLAB

//APPROVED//  
*Pravin*  
 CHIEF ENGINEER-II,  
 RWS&S, VIJAYAWADA

SCHEME:		
CAPACITY:		4500 KL SUMP
LOCATION:		
SHHET NO	1	SBC- $\geq$ 5 T/M <sup>2</sup>



AEE 26/4/21

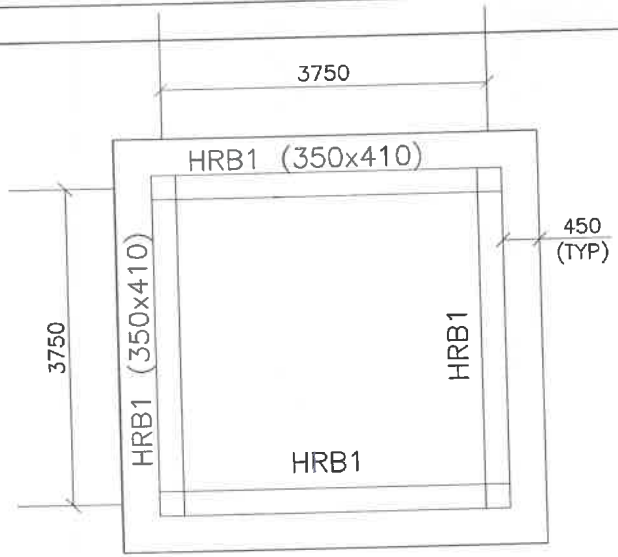
POR DEE

Y.S.A EE

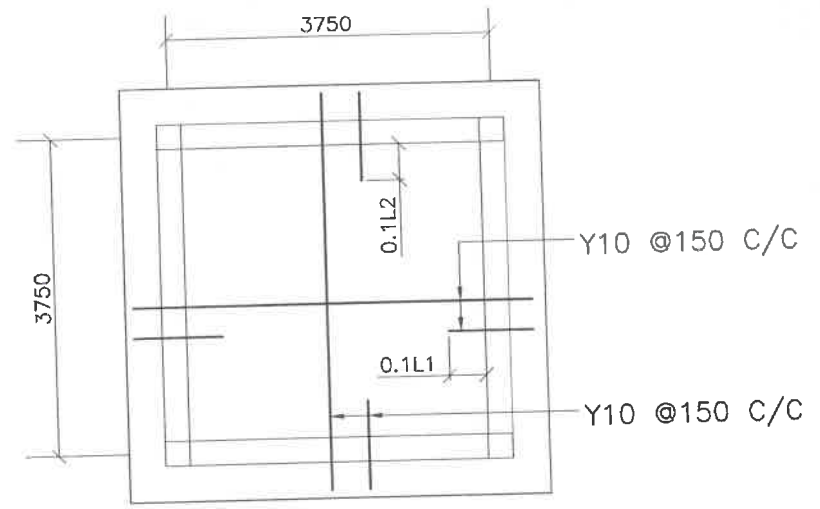
//APPROVED//

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RWS&S, VIJAYAWADA

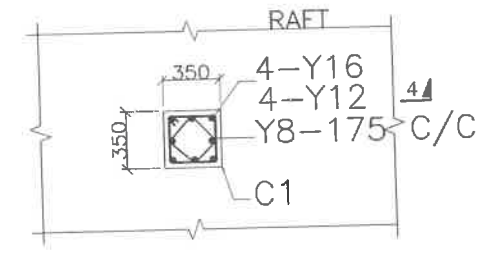
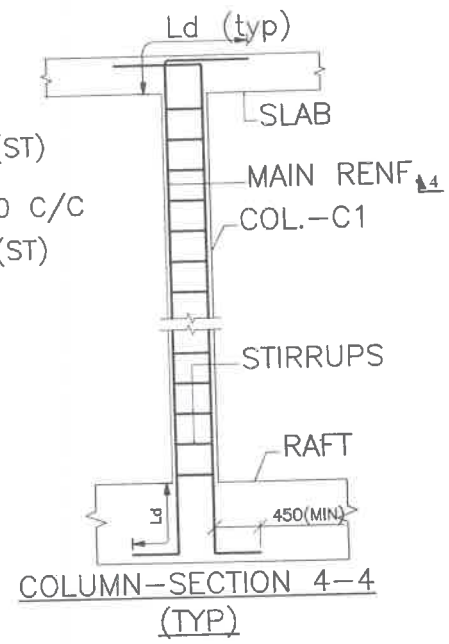
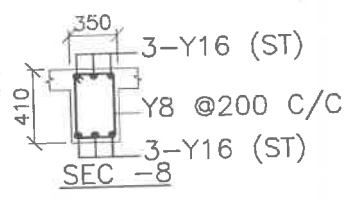
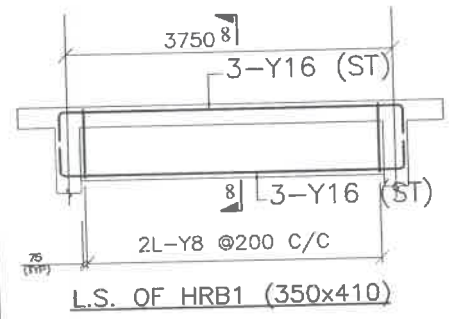
SCHEME:	
CAPACITY:	4500 KL SUMP
LOCATION:	
SHEET NO	4
SBC-	>=5 T/M <sup>2</sup>



**PLAN @ HEAD ROOM SLAB**  
(125 THK. SLAB)



**PLAN @ HEAD ROOM SLAB**



**COLUMN-DETAIL - Q**

SCHEME:			
CAPACITY:	4500 KL SUMP		
LOCATION:			
SHEET NO	5	SBC-	>=5 T/M <sup>2</sup>

//APPROVED//

*Ry*

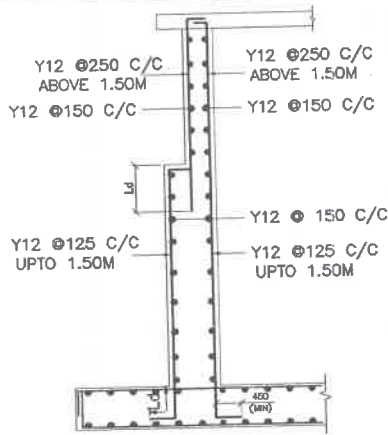
CHIEF ENGINEER-II,  
RWS&S,VIJAYAWADA

*20/11/21*  
AEE

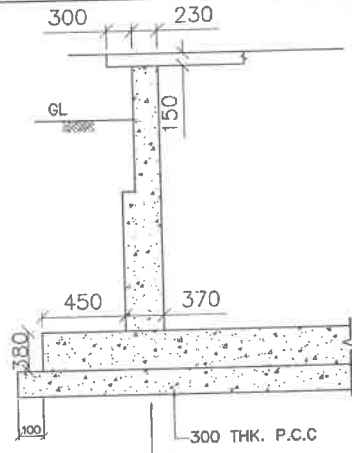
*Por*  
DEE

*y.s*  
EE

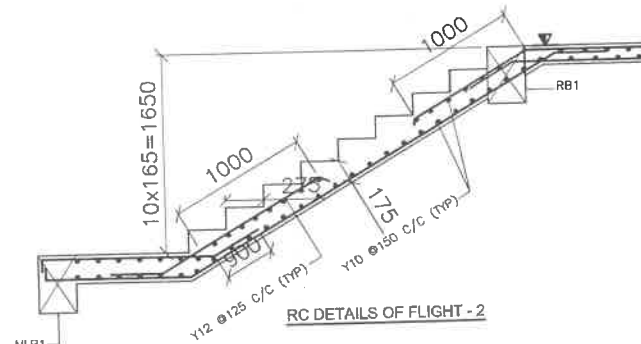
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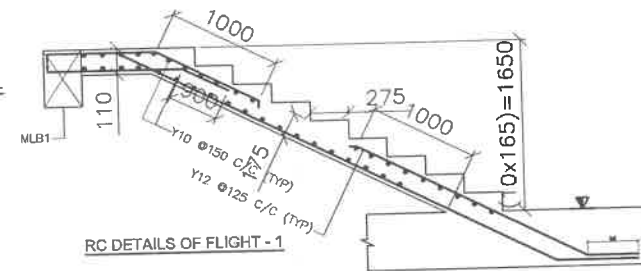
R.C. DETAIL OF WALL AT PIT SECTION 2A-2A



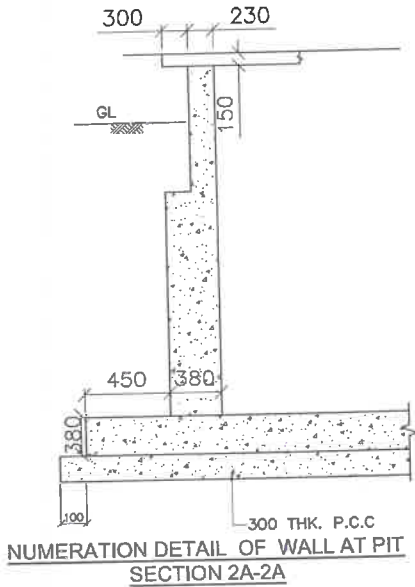
NUMERATION DETAIL OF TYP. WALL



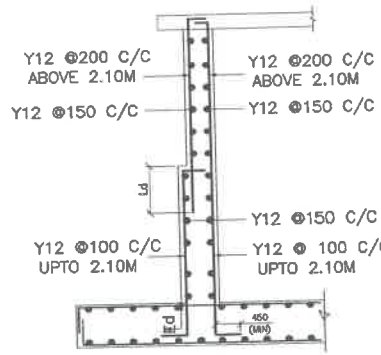
RC DETAILS OF FLIGHT - 2



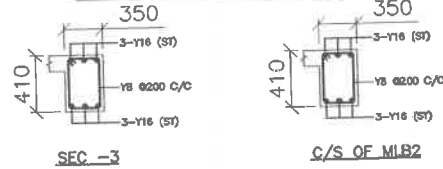
RC DETAILS OF FLIGHT - 1



NUMERATION DETAIL OF WALL AT PIT SECTION 2A-2A

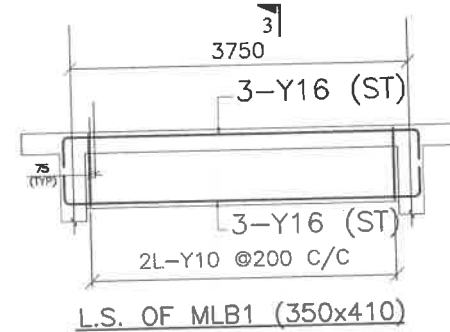


TYP. R.C. DETAIL OF WALL



SEC - 3

C/S OF MLB2



L.S. OF MLB1 (350x410)

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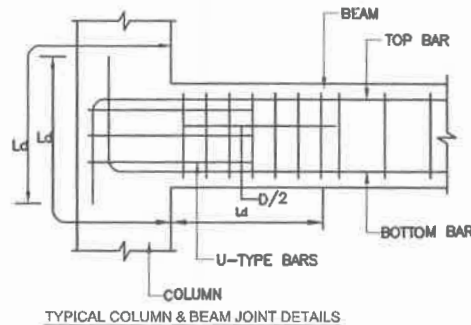
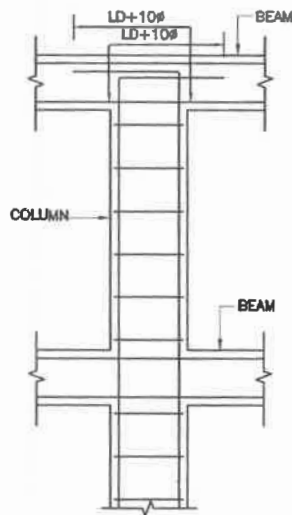
CAPACITY	4500 KL sump
SHEET NO	3

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AEE 26/4/21

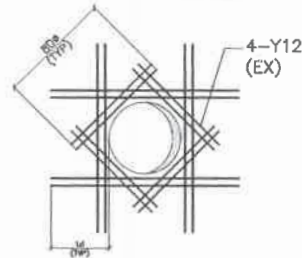
*Handwritten signature*  
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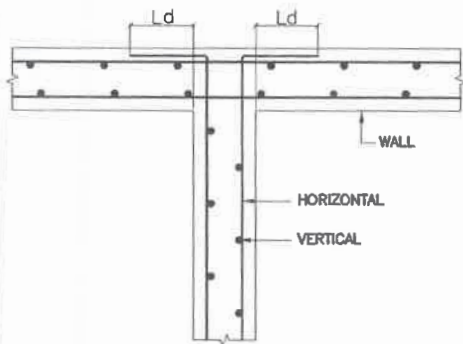
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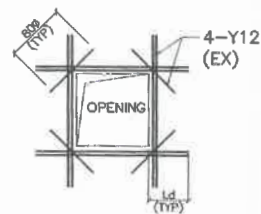
TYPICAL COLUMN & BEAM JOINT DETAILS



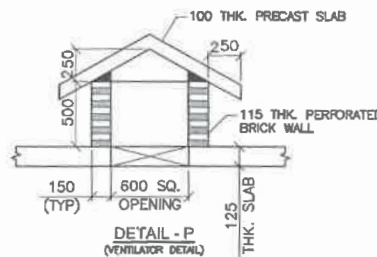
ADDITIONAL REINFORCEMENT AROUND CIRCULAR OPENING (TYP.)



R/F DETAILS OF WALL @ JUNCTION



ADDITIONAL REINFORCEMENT AROUND SQUARE OPENING (TYP.)



DETAIL - P (VENTILATOR DETAIL)

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METRES.
2. READ THE DWG. ALONG WITH CIVIL GAD. DO NOT SCALE THE DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
3. GRADE OF CONCRETE : M30 CONFORMING TO IS 456-2000 WITH 20MSA.
4. GRADE OF STEEL : Fe-415 CONFORMING TO IS 456-2000.
5. TYPE OF CEMENT OPC.
6. COVER TO REINFORCEMENT:
  - A. RAFT = 75MM
  - B. WALLS = 45MM
  - C. COLUMN = 40MM
  - D. SLAB = 25MM
  - E. BEAMS = 25MM
7. DEVELOPMENT LENGTH,  $L_d=50 \times \text{DIA. OF BAR FOR BINDING}$ ,  $L_d=25 \times \text{DIA. OF BAR FOR WELDING}$
8. DEVELOPMENT LENGTH IF WELDING IS TO BE DONE AS PER FIG. LAP JOINT OF CLAUSE 10.5.4 OF IS 9417-1989.
9. ALL LAPS SHALL BE STAGGERED.
10. MATERIALS AND WORKMANSHIP OF CEMENT CONCRETE SHALL CONFORM TO IS456.
11. CC BED IN M15 (1:2:4) GRADE WITH 40 MSA, WELL GRADED WITH 150MM THICKNESS SHALL BE PROVIDED UNDER ALL RCC MEMBERS.
12. BACK FILLING SHALL BE DONE WITH SUITABLE SOILS OF NOT LESS THAN 30'.
13. DETAILING AT THE JUNCTION OF COLUMNS, BEAMS AND WALLS ETC., SHALL BE DONE AS PER 'SP-34'.
14. PLASTERING WITH CM(1:3) 20MM THICK WITH 2% ACCO PROOF MATERIAL SHALL BE PROVIDED FOR ALL INNER FACES OF RESERVOIR EXCEPT ROOF SLAB.
15. THE SBC SHALL NOT BE LESS THAN - 5T/m<sup>2</sup>. THE SAME NEED TO CONFIRMED BEFORE EXECUTION.
16. DEAD STORAGE CONSIDERED AS 0.15m
17. FREE BOARD CONSIDERED AS 0.45m
18. INLET, OUTLET, OVERFLOW, SCOUR PIPES ARE AS PER THE APPROVED HYDRAULICS AND ALIGNMENT AS PER SITE CONDITION.

*20.22.21*  
AEE 26/4/21

*Por*  
DEE

*y.S*  
EE

//APPROVED//  
*[Signature]*  
CHEIF ENGINEER-II,  
RWS&S,VJAYAWADA

SCHEME:		
CAPACITY:		4500 KL SUMP
LOCATION:		
SHEET NO	6	SBC- >=5 T/M <sup>2</sup>