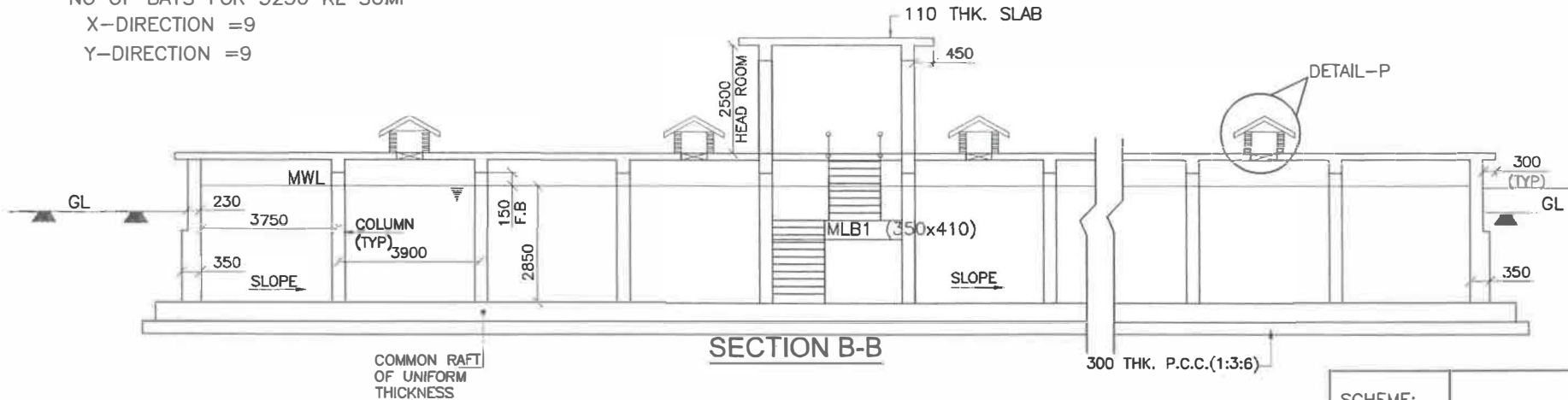


**SECTION A-A**

NO OF BAYS FOR 3250 KL SUMP  
 X-DIRECTION = 9  
 Y-DIRECTION = 9



**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

*D. Venkatesh*  
 AEE 26/4/14

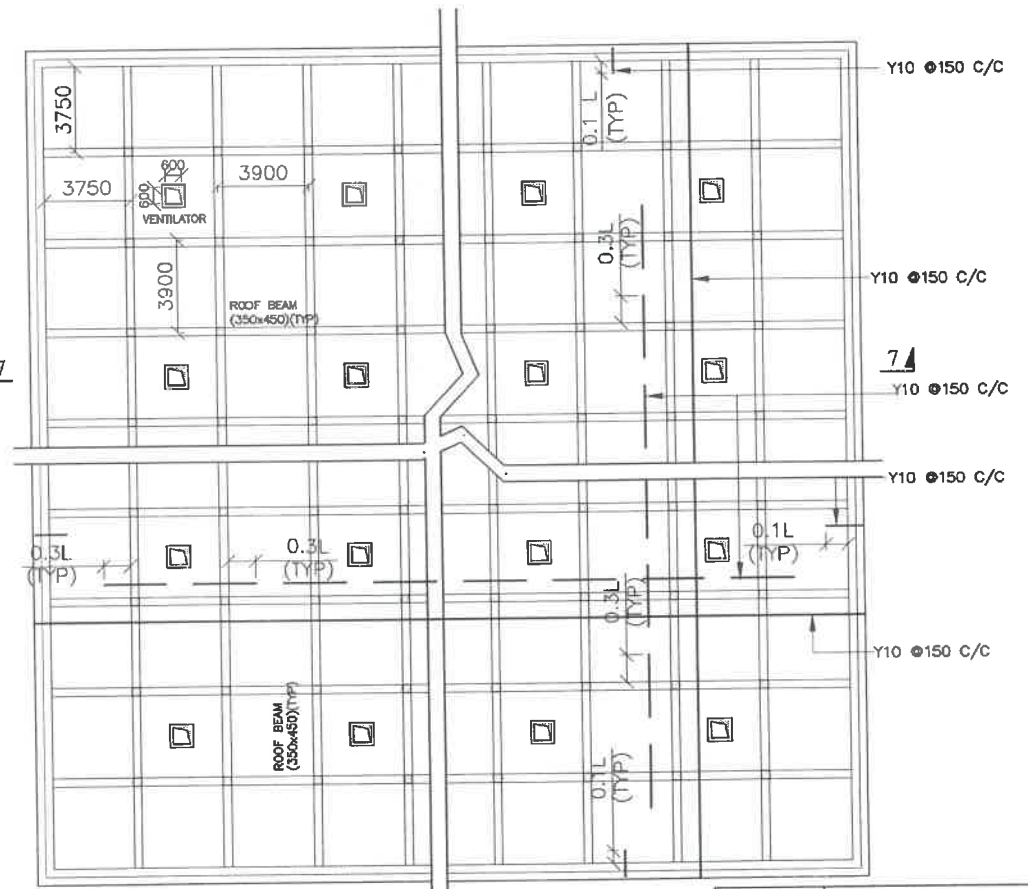
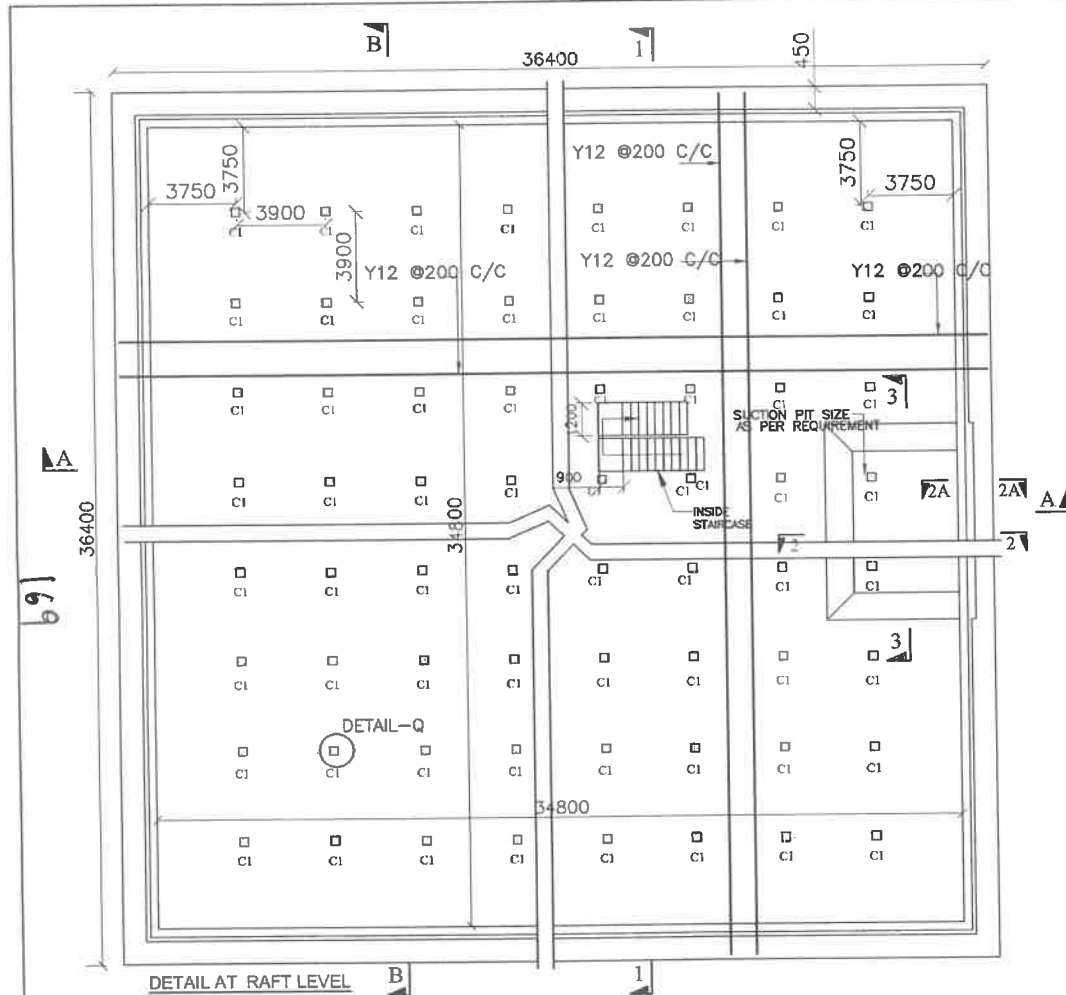
*Por*  
 DEE

*Y-Sa*  
 EE

//APPROVED//

*[Signature]*  
 CHIEF ENGINEER-II,  
 RWS&S, VIJAYAWADA

SCHEME:	
CAPACITY:	3250KL SUMP
LOCATION:	
SHEET NO	2
SBC-	>=5 T/M <sup>2</sup>



REINFORCEMENT DETAILS OF ROOF SLAB

NO OF BAYS FOR 3250 KL SUMP

X-DIRECTION =9  
 Y-DIRECTION =9  
 NOTE: SUMP IS NOT DESIGNED FOR UPLIFT CONDITION  
 SUMP IS SAFE IF WATER TABLE  $\geq$  2.5M BELOW GROUND LEVEL

*Praveen*  
 AEE 26/12/21

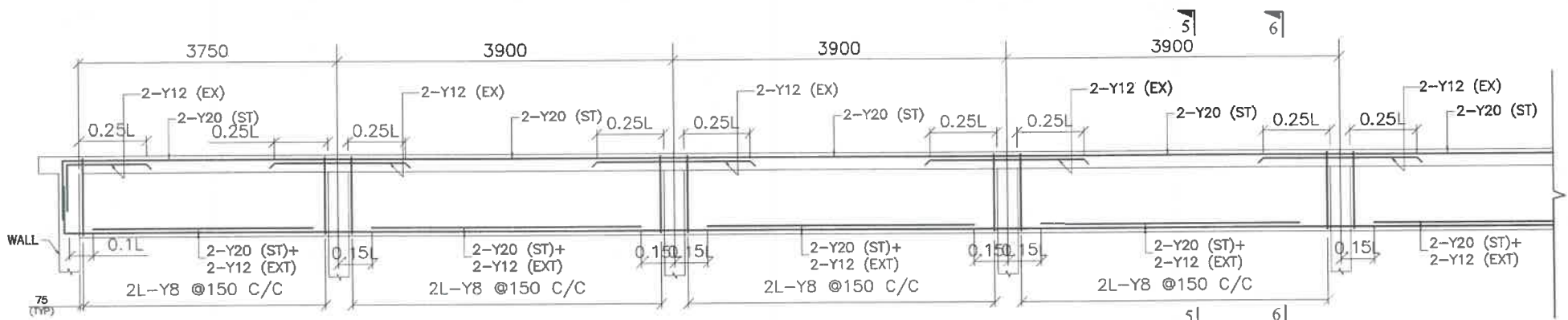
*Par*  
 DEE

*Y-S*  
 EE

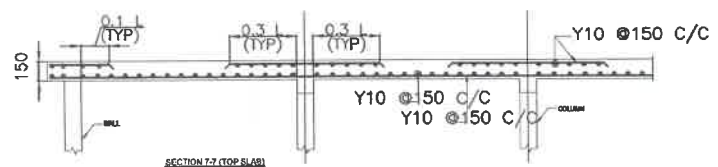
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*[Signature]*  
 CHIEF ENGINEER-II,  
 RWS&S,VJAYAWADA

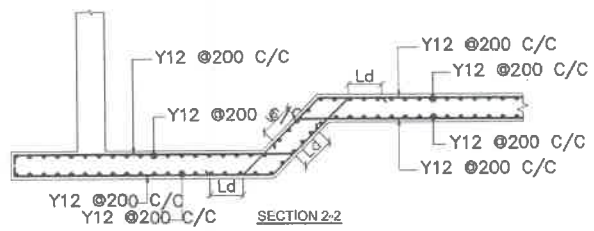
SCHEME:		
CAPACITY:	3250 KL SUMP	
LOCATION:		
SHHET NO	1	SBC- $\geq$ 5 T/M <sup>2</sup>



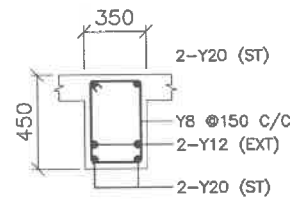
L.S. OF RB1 (350x450)



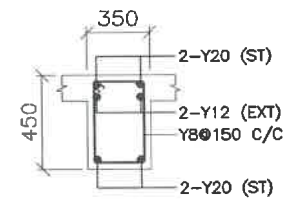
SECTION 2-2 (TOP SLAB)



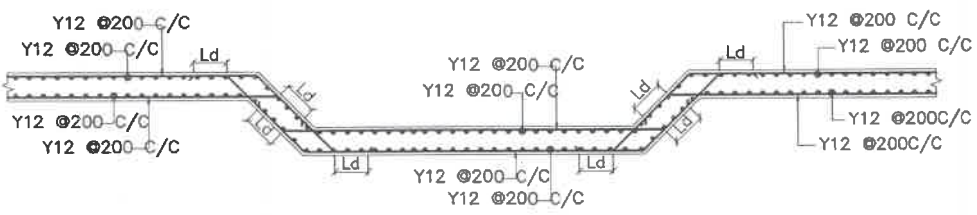
SECTION 2-2



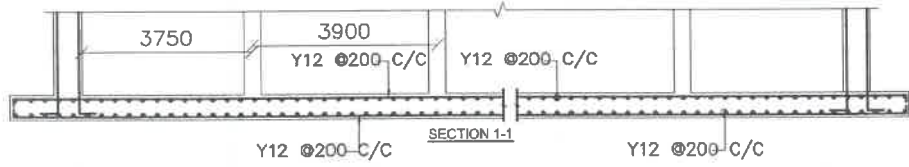
SEC -5



SEC -6



SECTION 3-3



SECTION 1-1

00.venki  
AEE 26/4/24

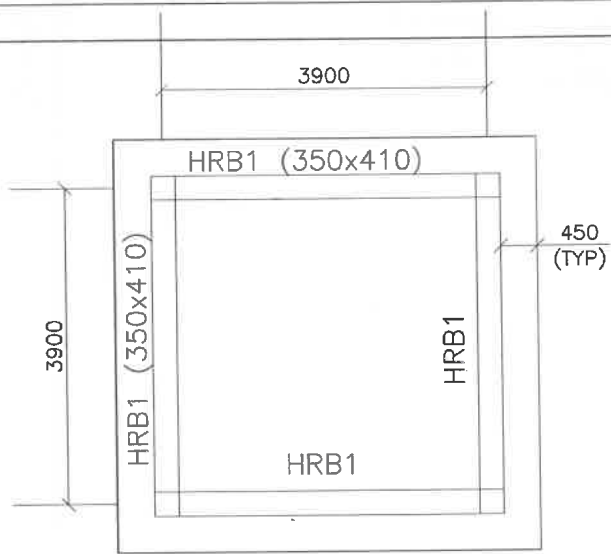
PRR  
DEE

Y.S  
EE

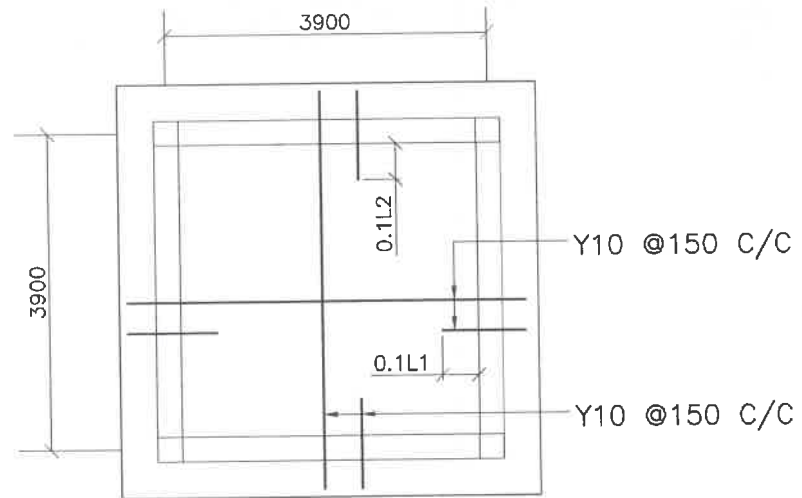
//APPROVED//

CHEIF ENGINEER-II,  
RWS&S,VIJAYAWADA

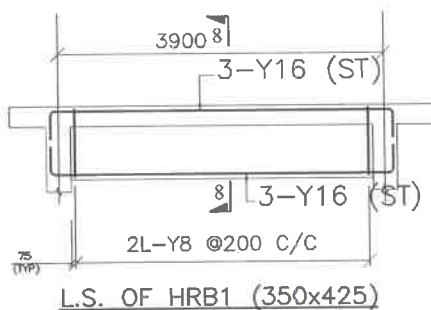
SCHEME:	
CAPACITY:	3250 KL SUMP
LOCATION:	
SHEET NO	4
SBC-	>=5 T/M <sup>2</sup>



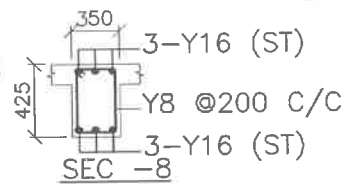
**PLAN @ HEAD ROOM SLAB**  
(125 THK. SLAB)



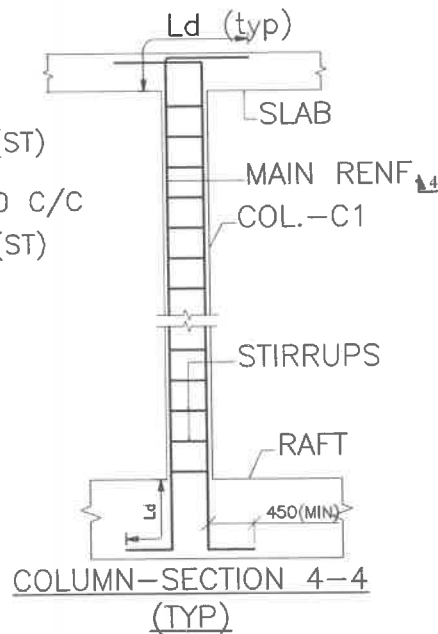
**PLAN @ HEAD ROOM SLAB**



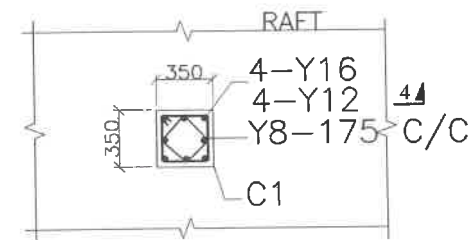
L.S. OF HRB1 (350x425)



SEC -8



COLUMN-SECTION 4-4  
(TYP)



COLUMN-DETAIL - Q

SCHEME:	
CAPACITY:	3250 KL SUMP
LOCATION:	
SHEET NO	5
SBC-	>=5 T/M <sup>2</sup>

//APPROVED//

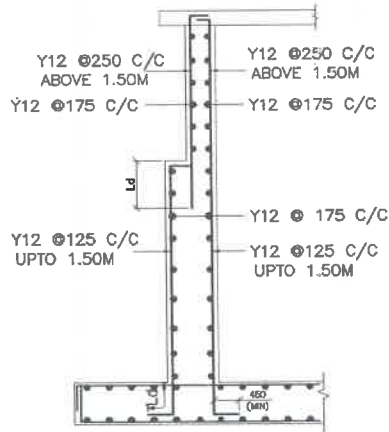
*A. S. Srinivas*  
AEE 26/4/21

*BR*  
DEE

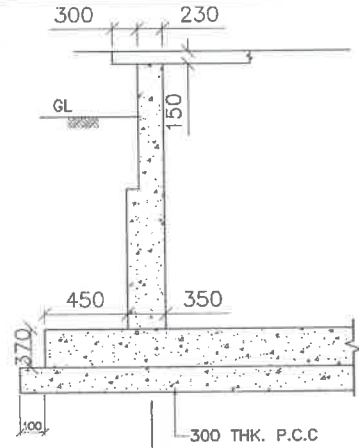
*Y.S.*  
EE

*[Signature]*  
CHIEF ENGINEER-II,  
RWS&S, VIJAYAWADA

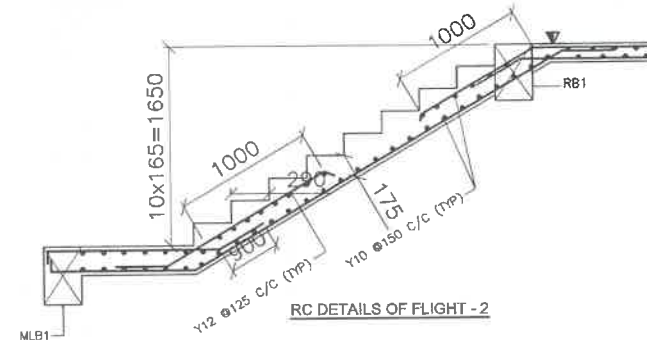
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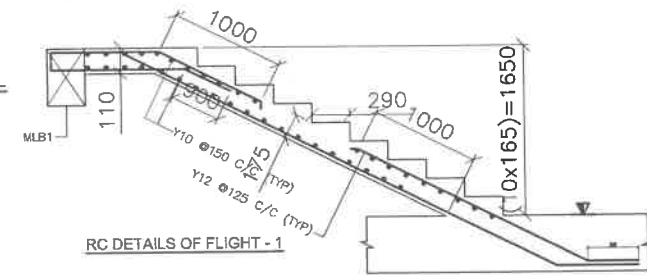
R.C. DETAIL OF WALL AT PIT SECTION 2A-2A



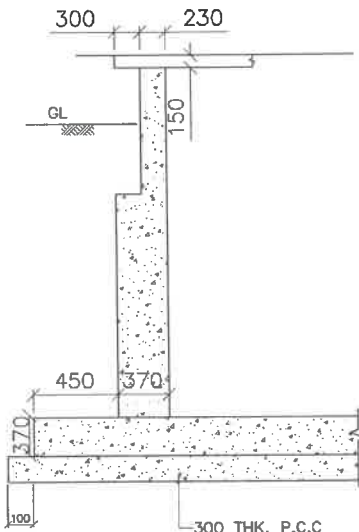
NUMERATION DETAIL OF TYP. WALL



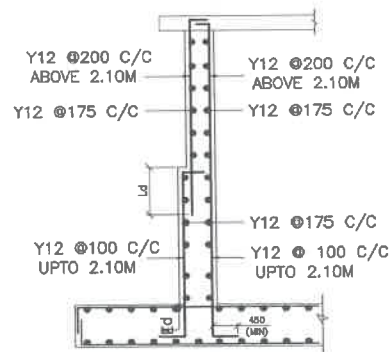
RC DETAILS OF FLIGHT - 2



RC DETAILS OF FLIGHT - 1



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

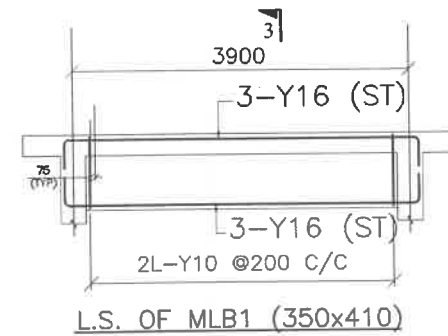


TYP. R.C. DETAIL OF WALL



SEC -3

C/S OF MLB2



L.S. OF MLB1 (350x410)

//APPROVED//

CHEIF ENGINEER-II,  
RWS&S, VIJAYAWADA

CAPACITY	3250 KL sump
SHEET NO	3

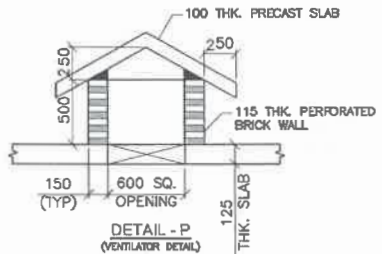
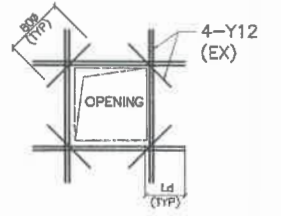
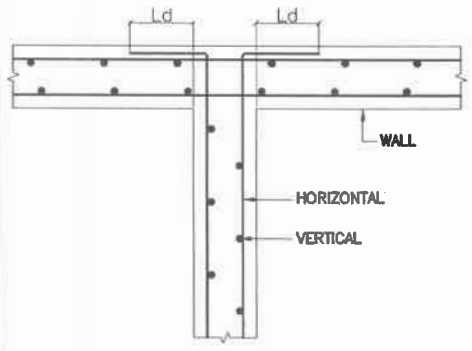
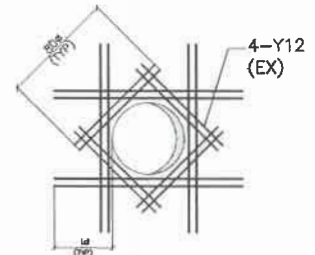
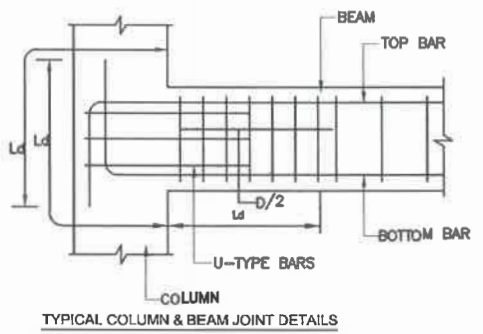
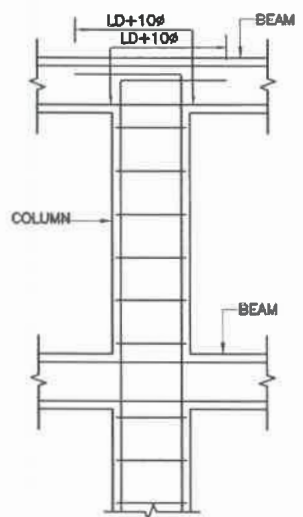
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DEE

EE



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

20/02/21  
AEE 26/4/21

DR  
DEE

Y.S  
EE

//APPROVED//  
RWS  
CHIEF ENGINEER-II,  
RWS&S,VJAYAWADA

SCHEME:		
CAPACITY:		3250 KL SUMP
LOCATION:		
SHEET NO	6	SBC- $>= 5 T/M^2$