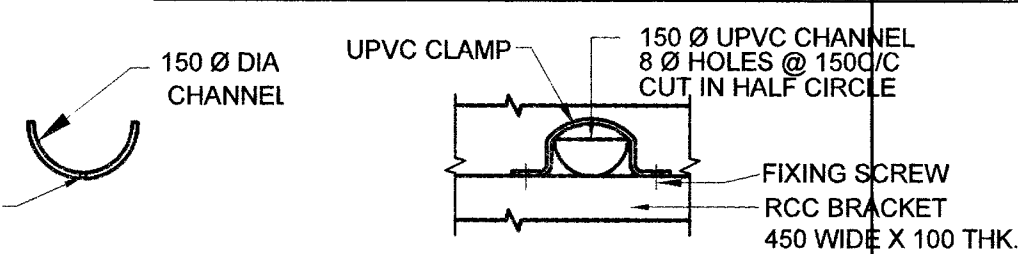
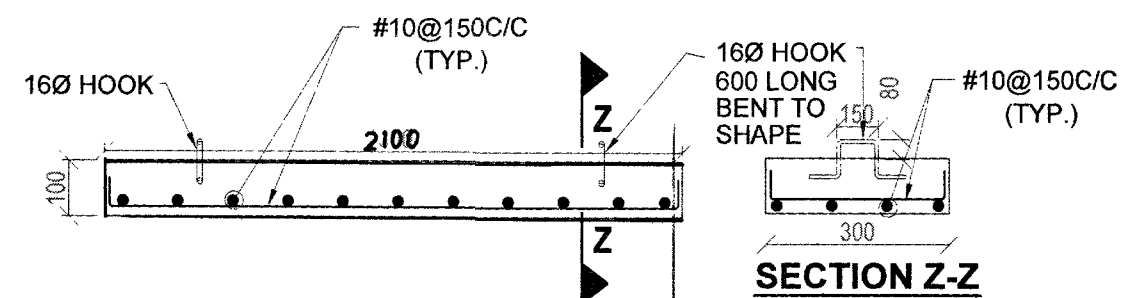


DETAILS OF RCC BRACKET

DETAIL FOR UPVC SHEET CHANNEL RESTING ON RCC BRACKET

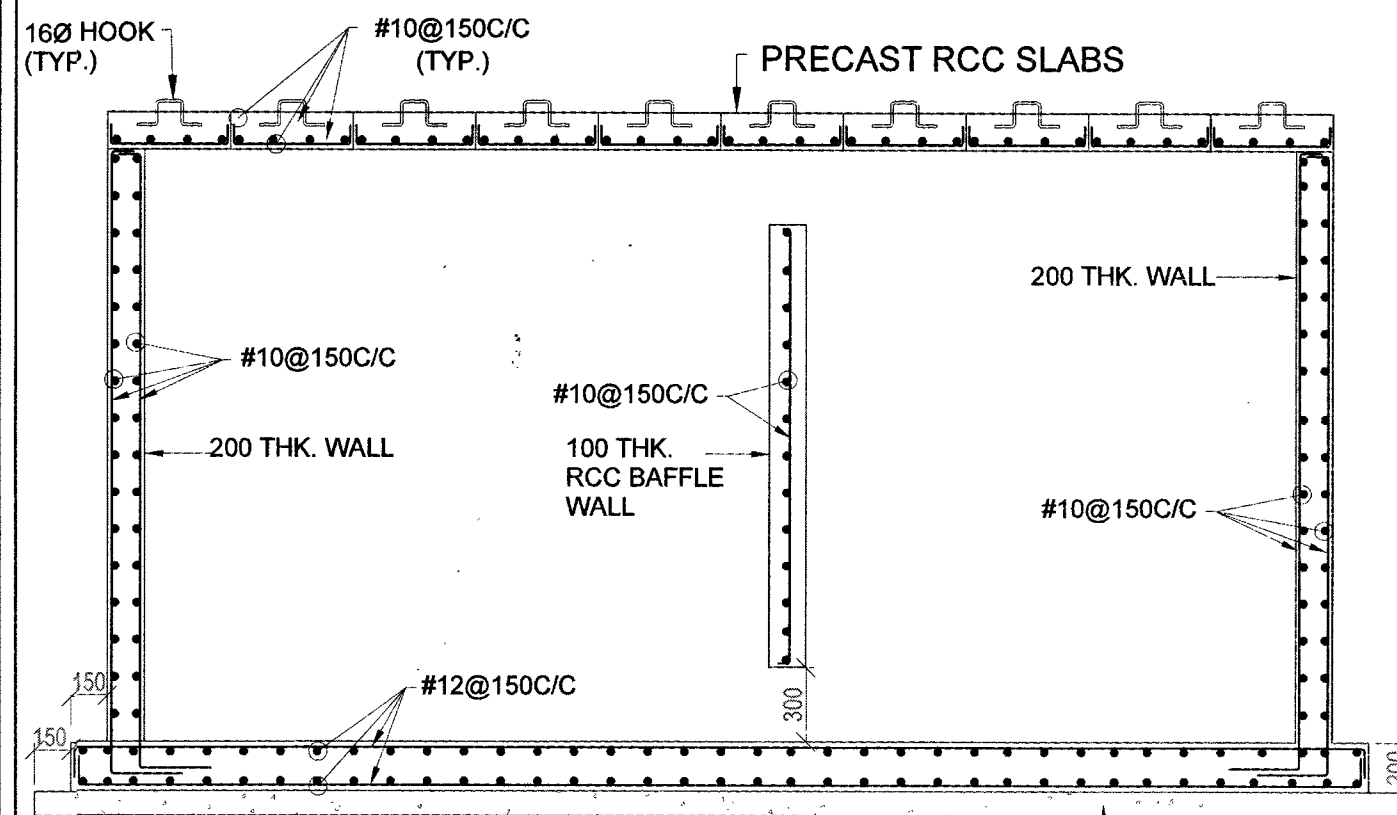


FIXING DETAILS OF UPVC CHANNEL FOR FILTER BED

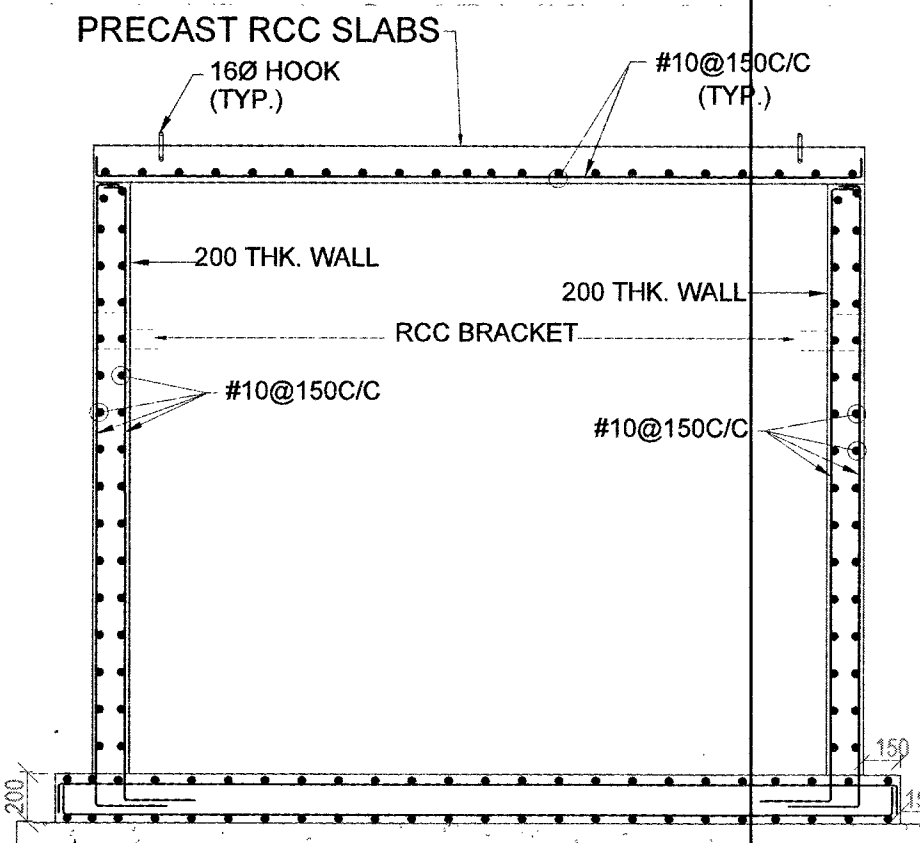


REINFORCEMENT DETAIL OF PRECAST RCC SLAB

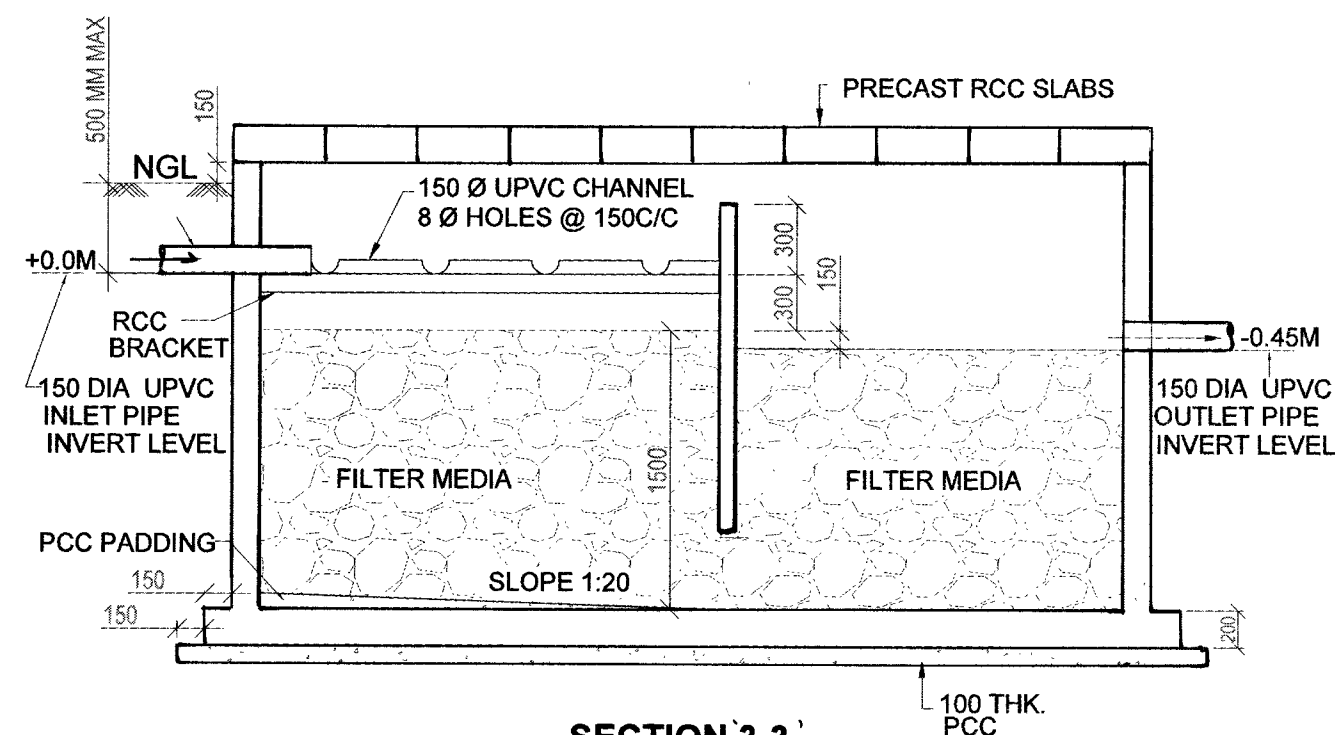
DIMENSIONS OF FILTER BED			
S.No.	NUMBER OF USERS	DIMENSIONS	
		LENGTH 'FL'	BREADTH 'FB'
1	50	2700	2100
2	100	3900	2100
3	150	5100	2100
4	200	6000	2100
5	300	7500	2100



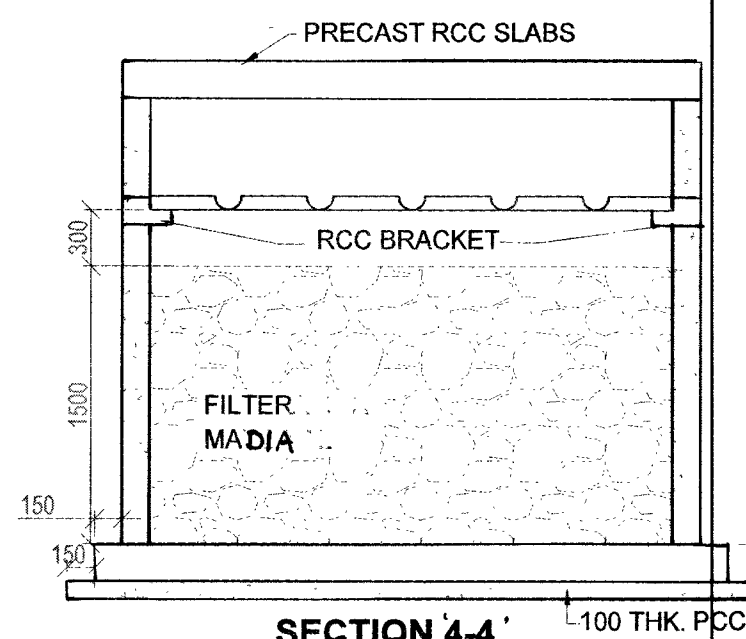
REINFORCEMENT DETAILS OF FILTER BED AT SECTION '3-3'



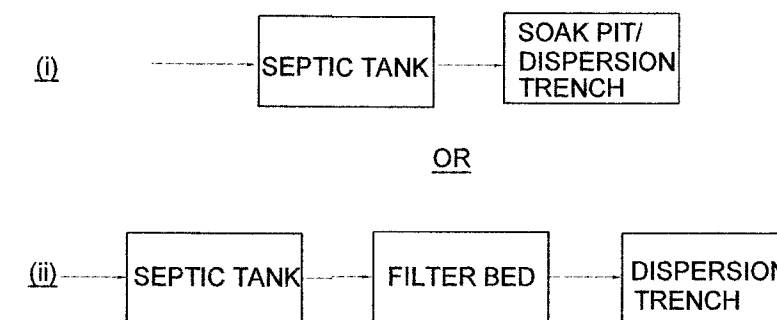
REINFORCEMENT DETAILS OF FILTER BED AT SECTION '4-4'



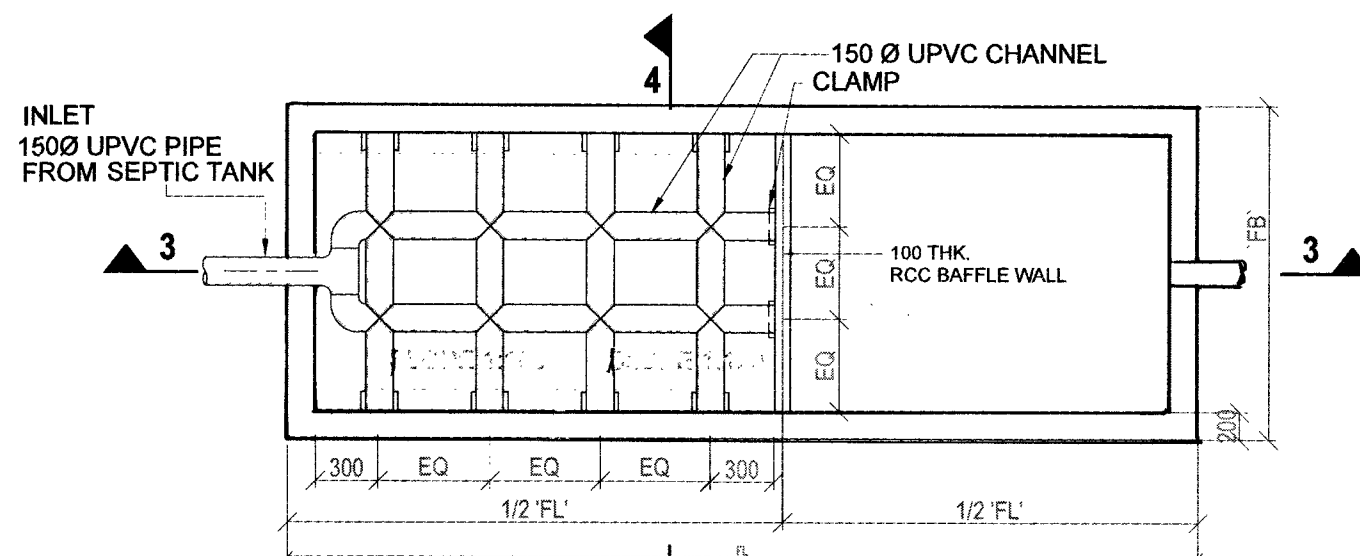
SECTION '3-3'



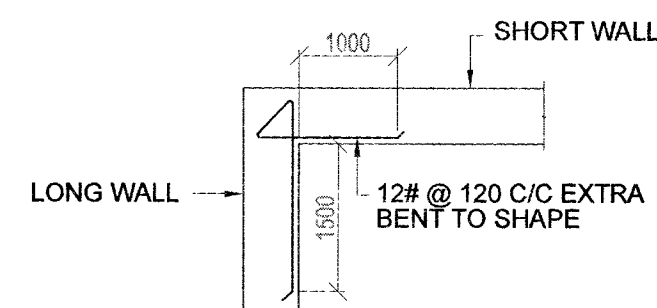
SECTION '4-4'



SCHEMATIC DIAGRAM OF EFFLUENT DISPOSAL



PLAN OF UPFLOW ANAEROBIC FILTER BED



TYPICAL DETAIL AT JUNCTION OF RCC WALL (PLAN VIEW)

RECOMMENDED METHOD OF DISPOSAL FOR SEPTIC TANK EFFLUENT			
POSITION OF THE SUBSOIL WATER LEVEL FROM GROUND LEVEL	SOIL AND SUBSOIL CONDITION		
	POROUS SOIL WITH PERCOLATION RATE		DENSE AND CLAYS SOIL WITH PERCOLATION RATE EXCEEDING 60MIN
	NOT EXCEEDING 30 MIN	EXCEEDING 30 MIN BUT NOT EXCEEDING 60 MIN	
WITHIN 1.8 M	DISPERSION TRENCH	DISPERSION TRENCH	BIOLOGICAL FILTER BED OR UPFLOW ANAEROBIC FILTER BED
BELOW 1.8 M	SOAK PIT OR DISPERSION TRENCH	DISPERSION TRENCH	BIOLOGICAL FILTER BED OR UPFLOW ANAEROBIC FILTER BED

NOTE:- 1. WHERE THE ABOVE MENTIONED METHODS ARE NOT FEASIBLE AND WHERE THE EFFLUENT HAS TO BE DISCHARGED INTO OPEN DRAIN IT SHOULD BE DISINFECTED.
2. PERCOLATION RATE TO BE ESTABLISHED BASED ON IS:2470-2.

NOTES

FOR RCC NOTES REF DRG NO. TD-389
SHEET NO-1/3.

DATE DESCRIPTION SIGN REVISIONS

SECONDARY TREATMENT RCC FILTER BED

SHT NO.	S-02	HELIOS ENGINEERING CONSULTANTS #38-34-66 FCI COLONY MARRIPALEM VISAKHAPATNAM - 530018
SCALE.	AS NOTED	
DRN BY.	VIJAY	
DATE.	24-09-2019	

DESIGNED BY *[Signature]* CHECKED BY *[Signature]*

**CHIEF ENGINEER (NAVY)
VISAKHAPATNAM**

REF.DRG.NO : TD - 389 (S) Sht.No. 2/3

[Signature]
**M VENU GOPAL
AE (CIV)
AAD (DESIGN)**

[Signature]
**(PK SINGH, DSE)
SE
DIRECTOR (DESIGN)
FOR CHIEF ENGINEER**