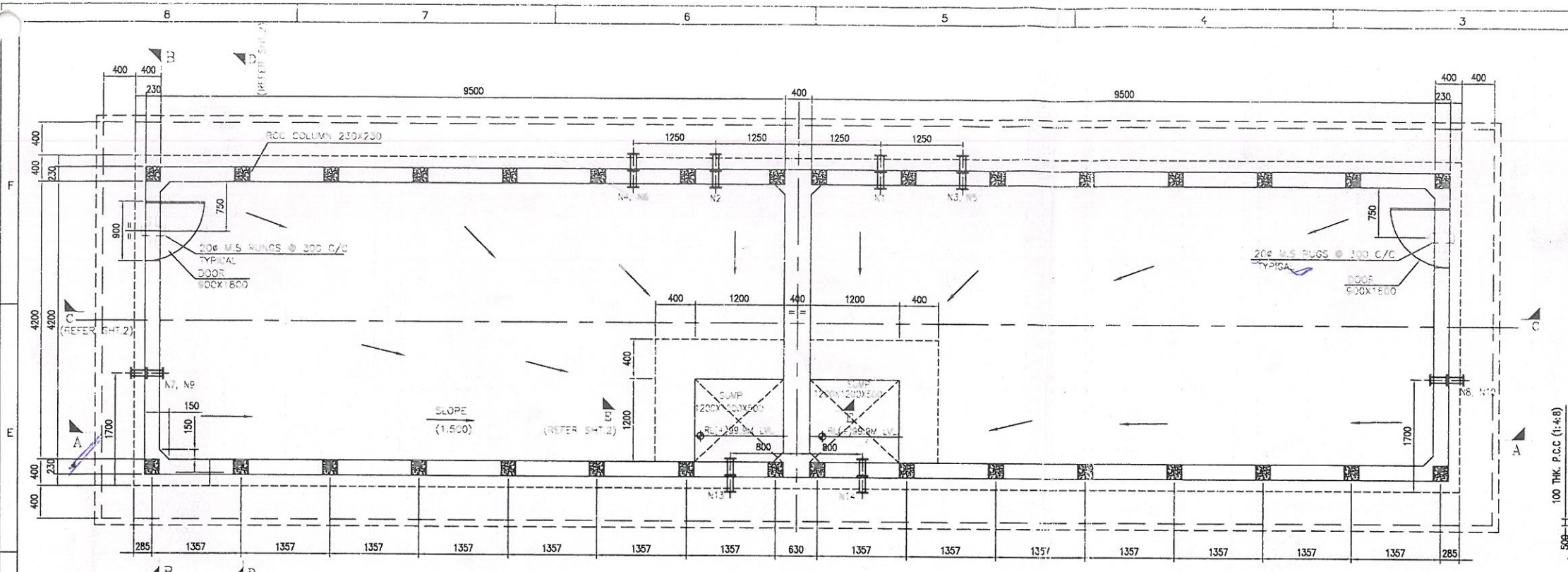
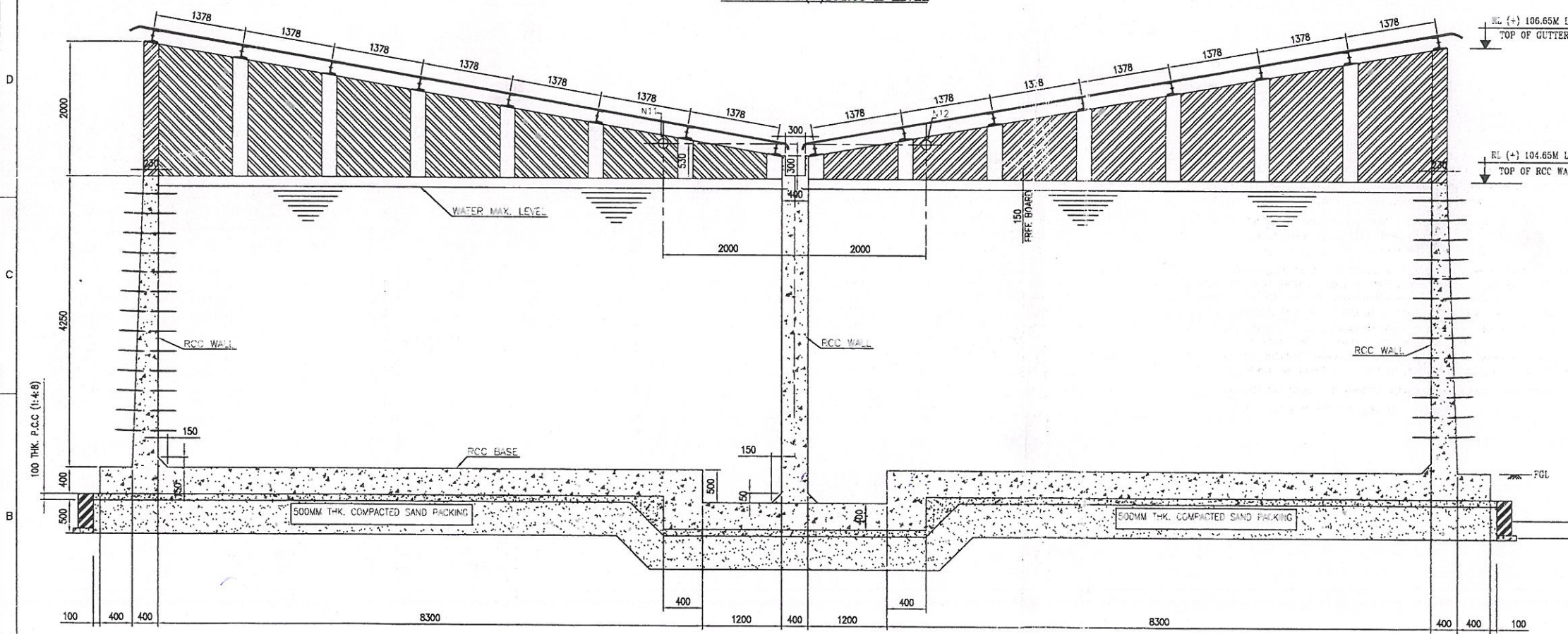
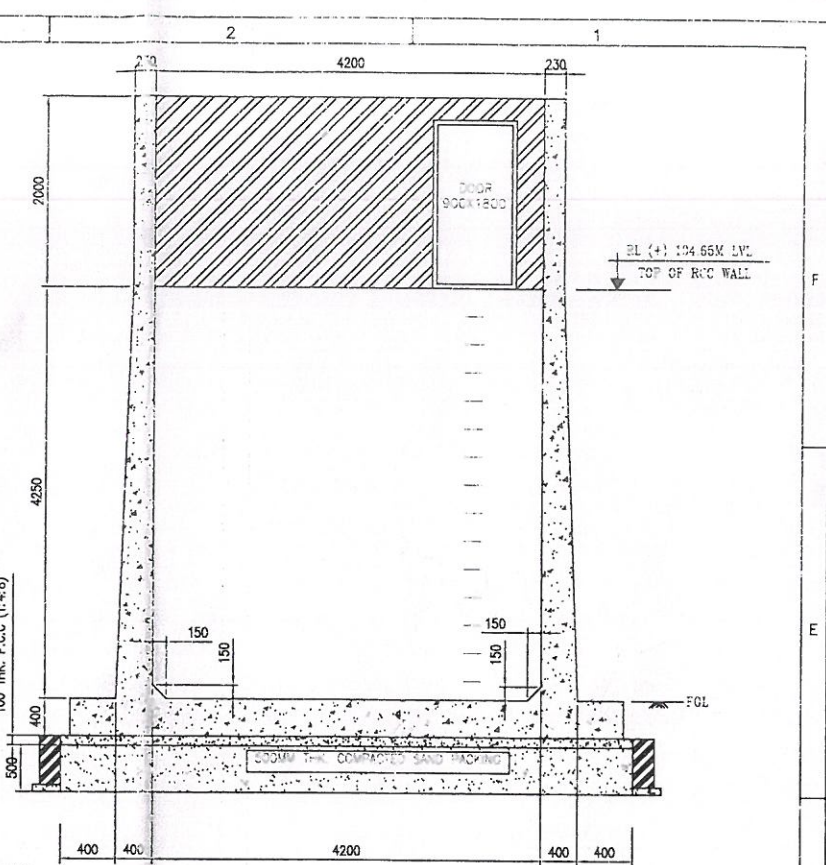




PLAN AT RL (+) 104.65 M LEVEL



SECTION A-A



SECTION B-B

NOTE:

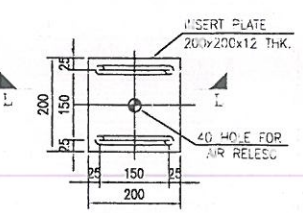
1. ALL DIMENSIONS ARE IN MM AND LEVEL IN METERS.
2. DO NOT SCALE THE DRG. FOLLOW WRITTEN DIMENSIONS ONLY.
3. THE GRADE OF CONCRETE FOR ALL RCC WALL SHALL BE M20.
4. ALL LEAN CONCRETE SHALL BE 1:4:6 (100MM 40MM SAND).
5. GRADED STONE AGGREGATE 40MM NOMINAL SIZE.
6. REINFORCEMENT USED SHALL BE 10MM BARS OF GRADE F800 CONFORMING TO IS 1786.
7. CLEAR COVER TO REINFORCEMENT SHALL BE AS UNDER:
FOR COLUMN-40MM, BASE SLABS-50MM (ALL SIDES)
WALL FACE IN CONTACT WITH WATER-40MM
WALL FACE AWAY FROM FACE OF WATER-25MM.
8. ALL LAPS SHALL BE STAGGERED AND LAP LENGTH SHALL BE 50 TIMES THE BAR DIA.
9. CONSTRUCTION JOINT SHOWN MAY BE SHOWN IN CONSULTATION WITH SITE INCHARGE TO SUIT CONCRETING PROGRAMME/PROV. WORK.
10. WATER NOT TO BE FILLED IN TANK UNTIL TOP LIFT HAS BEEN CAST & CURED.
11. INTERNAL WATER PROOFING COMPOUND SHALL BE ADDED WHILE CONCRETING AS PER MANUFACTURER'S RECOMMENDATIONS.
12. ALL INSERTS, NOZZLES, PIPE SLEEVES ETC. SHOWN IN DRG ARE INDICATIVE ONLY. THESE SHALL BE PLACED IN POSITION BEFORE CASTING AND AFTER FREEIGHTING REQUIREMENTS.
13. FORMS SHALL BE MANUFACTURED AFTER FINAL MEASUREMENT.
14. ALL BRICK WALLS ARE 230 THK.

Design is approved
subject to overall
responsibility of the contractor
in terms of contract agreement
on turn key for the work.

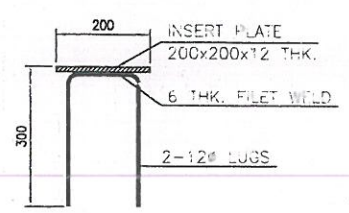
16.12.15
Chief Engineer (Civil)
BSPTCL

30.11.15
Assistant Engineer (Civil)
BSPTCL

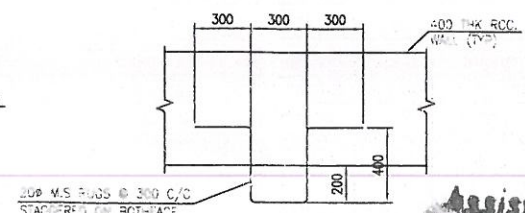
Executive Engineer (Civil)
B.S.P.T.C.L.



PLAN OF INSERT PLATE



SECTION L-L



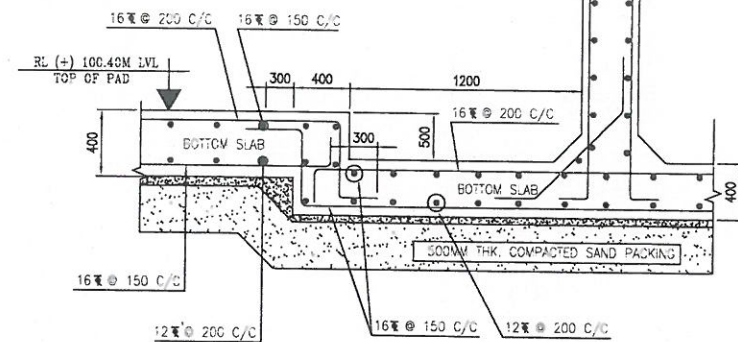
TYP. DETAILS OF RUNG LADDER

SCHEDULE OF NOZZLES AND ACCESSORIES

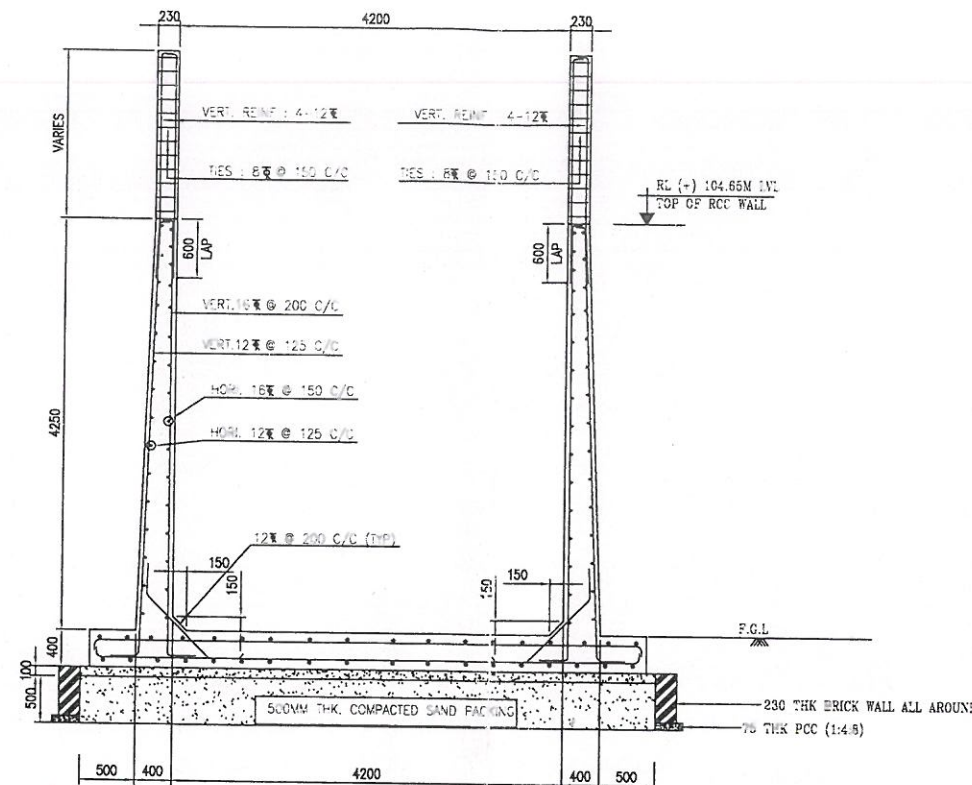
MARK	SIZE	DESCRIPTION	NOS.	CL. LEVEL
N1, N2	100 NB	WATER INLET	ONE EACH	RL (+) 104.50
N3, N4	80 NB	DRAIN	ONE EACH	RL (+) 100.45
N5, N6	100 NB	OVER FLOW	ONE EACH	RL (+) 104.55
N7, N8	25 NB	LOW LEVEL SWITCH	ONE EACH	RL (+) 101.20
N9, N10	25 NB	HIGH LEVEL SWITCH	ONE EACH	RL (+) 104.50
N11, N12	100 NB	RECIRCULATION	ONE EACH	RL (+) 105.18
N13, N14	300 NB	COMBINED PUMP SUCTION	ONE EACH	RL (+) 100.95
N15, N16	25 NB	LEVEL INDICATOR	ONE EACH	ON ROOF

 BIHAR STATE POWER TRANSMISSION CO. LTD.	
DRG. TITLE	FFPH - WATER RESORVOIR STD. REINFORCEMENT DETAILS
DRG. NO.	BSPTCL-SUBS-SWYD-C-STD-DRG-FFPH-RESERVOIR
SCALE	1:100
SHEET	1 OF 3

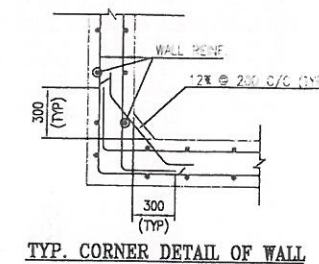
30.11.15
Assistant Engineer (Civil)
BSPTCL



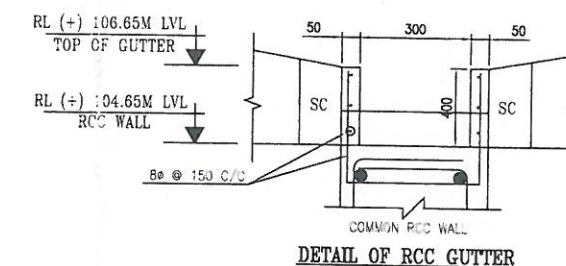
SECTION E-E



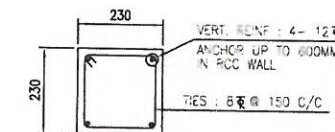
SECTION D-D



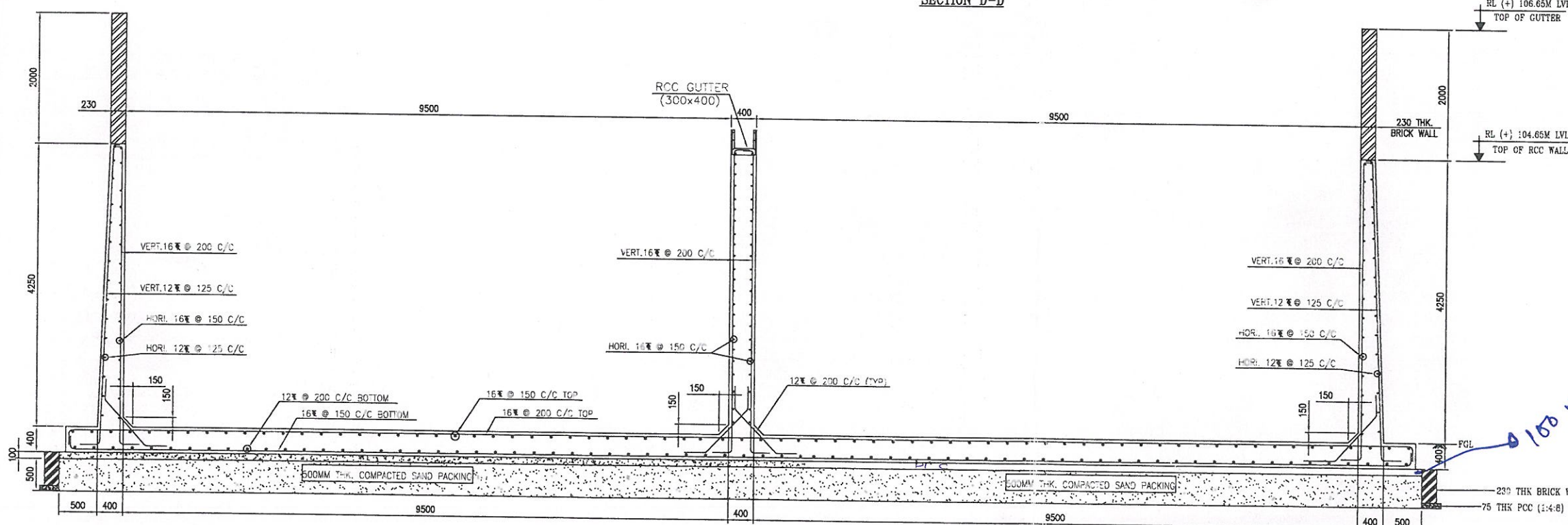
TYP. CORNER DETAIL OF WALL



DETAIL OF RCC GUTTER



DETAIL OF 'SC'



SECTION C-C

Drawing is approved
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or turn key for the work.

Chief Engineer (Civil)
BSPTCL

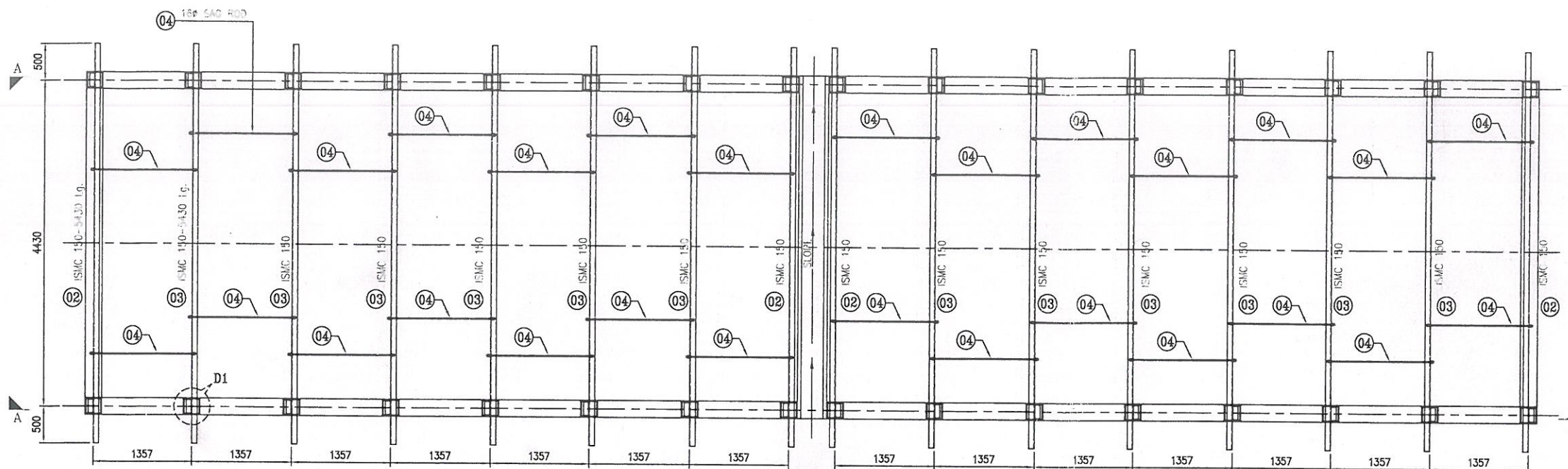
Superintending Engineer (Civil)
BSPTCL

Executive Engineer (Civil)
B.S.P.T.C.L.

Assistant Engineer (Civil)
BSPTCL

ALL INSERTS, NOZZLES, PIPE SLEEVES SHALL BE PLACED IN POSITION
AS PER F.F REQUIREMENT BEFORE CONCRETING.

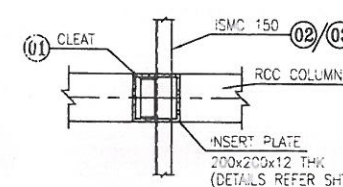
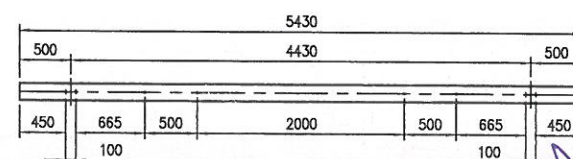
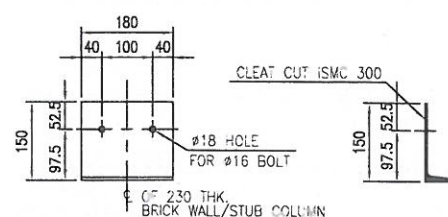
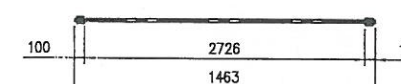
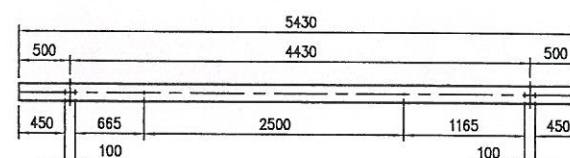
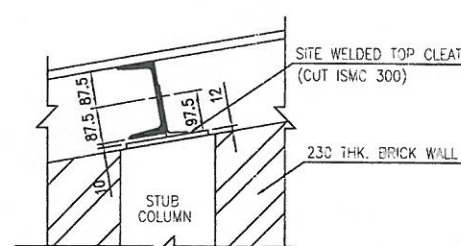
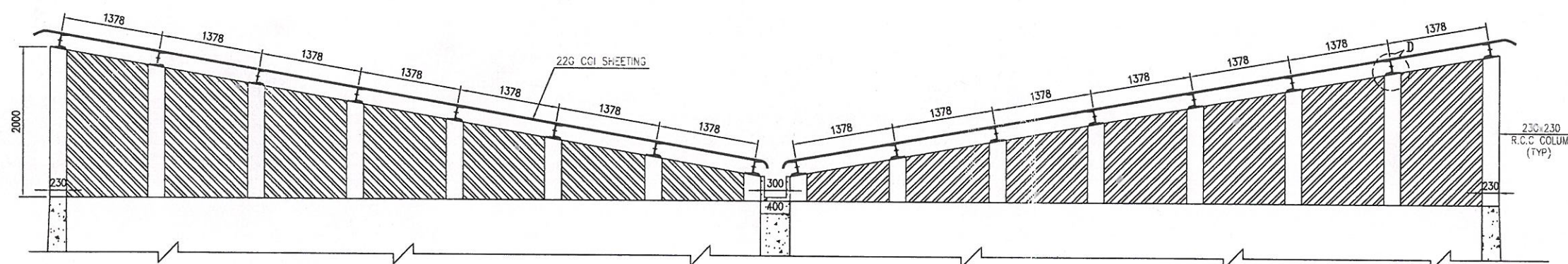
	BIHAR STATE POWER TRANSMISSION CO. LTD.		
DRG. TITLE	FFPH - WATER RESORVOIR STD. REINFORCEMENT DETAILS		
DRG. NO.	BSPTCL-SUBS-SWYD-C-STD-DRG-FFPH-RESERVOIR		
SCALE	1 : 100	SHEET	2 OF 3



BILL OF MATERIALS						
SECTION MARK	SECTION	LENGTH IN MM	QTY. IN NOS	UNIT WEIGHT (IN KG/M)	WEIGHT/PIECE (IN KG)	TOTAL WEIGHT (IN KGS)
1	ISM 300	180	16	36.30	6.53	104.48
2	ISM 150	5430	4	16.80	91.22	364.88
3	ISM 150	5430	12	16.80	91.22	1094.64
4	SAG ROD 16#	1463	28	1.58	2.31	64.72
TOTAL WEIGHT =						1528.85

NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. ALL MEMBERS SHOULD BE FULLY SHOP LAYOUT BEFORE THE ERECTION.
3. MINIMUM EDGE SECURITY FOR 16MM BOLTS SHALL BE 25MM FROM CUT EDGE & 20MM FROM ROLLED EDGE.
4. ALL WELDS ARE 6MM FILLET CONTINUOUS WELD UNLESS OTHERWISE SPECIFIED.
5. ALL BOLTS NUTS & LOCK NUTS SHALL CONFORM TO IS:1367 (LATEST)
6. ALL HOLES SHALL BE 17.5# FOR 16# BOLTS UNLESS OTHERWISE NOTED.
7. ALL STEEL MEMBERS SHALL CONFORM TO IS:2062-LATEST GRADE-A.
8. ALL ITEM NOS. TO BE PREFIXED WITH "GA"



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on turn key for the work.

[Signature]
16.12.15
Chief Engineer (Civil)
BSPTCL

[Signature]
30.11.15
Assistant Engineer (Civil)
BSPTCL

[Signature]
23.11.15
Executive Engineer (Civil)
BSPTCL

[Signature]
16.12.15
Superintending Engineer (Civil)
BSPTCL

		BIHAR STATE POWER TRANSMISSION CO. LTD.	
DRG. TITLE		FFPH - WATER RESORVOIR STD. REINFORCEMENT DETAIL	
DRG. NO.		BSPTCL-SUBS-SWYD-C-STD-DRG-FFPH-RESERVOIR	
SCALE	1 : 100	SHEET	3 OF 3