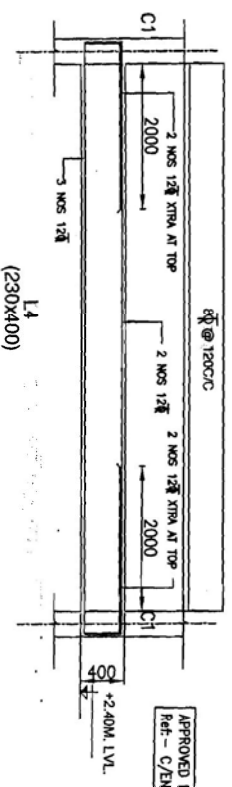
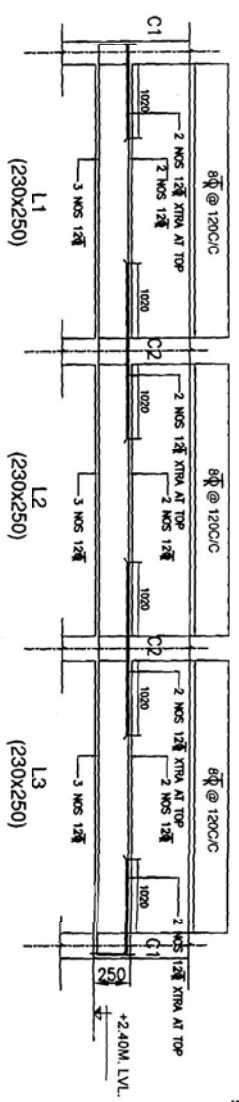
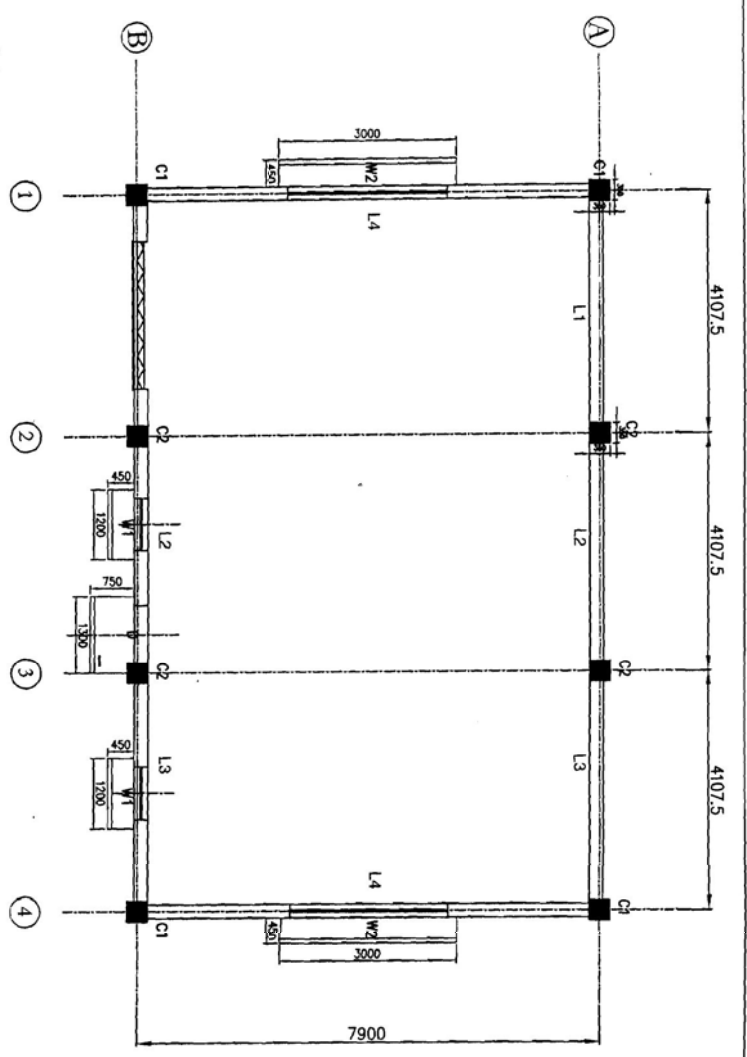
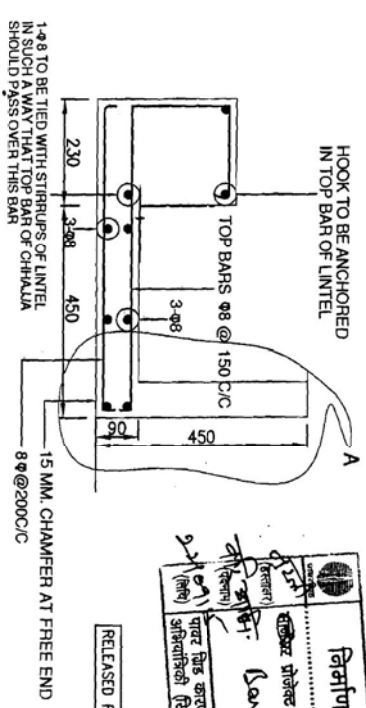
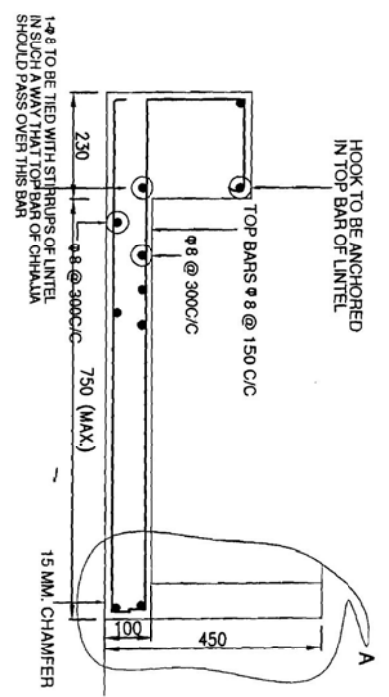


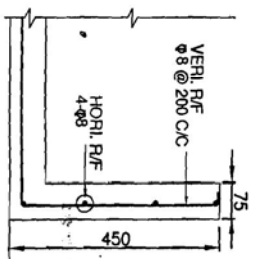
LINTEL LEVEL LAYOUT FOR FFPH



APPROVED BY E.O/ENGG-S/SH & T/L WIDE NOTE SHEET
 Ref - C/ENGG/CIVIL/STD/R/W/M25 Dated 09/02/2012



TYPICAL CHHALLA DETAIL UP TO 450mm PROJECTION



DETAIL A

निर्माण हेतु जारी
 प्रकल्प क्रमांक 1
 भारत ग्रीड कॉर्पोरेशन लिमिटेड
 सहायक निदेशक, संरचनात्मक अभियंता

RELEASED FOR TENDER/CONSTRUCTION

FOR NOTES REFER DRG. NO.:-
 C/ENGG/STD/FFPH/15

No.	Revision/Issue	Date
1.	R0	02/01/12

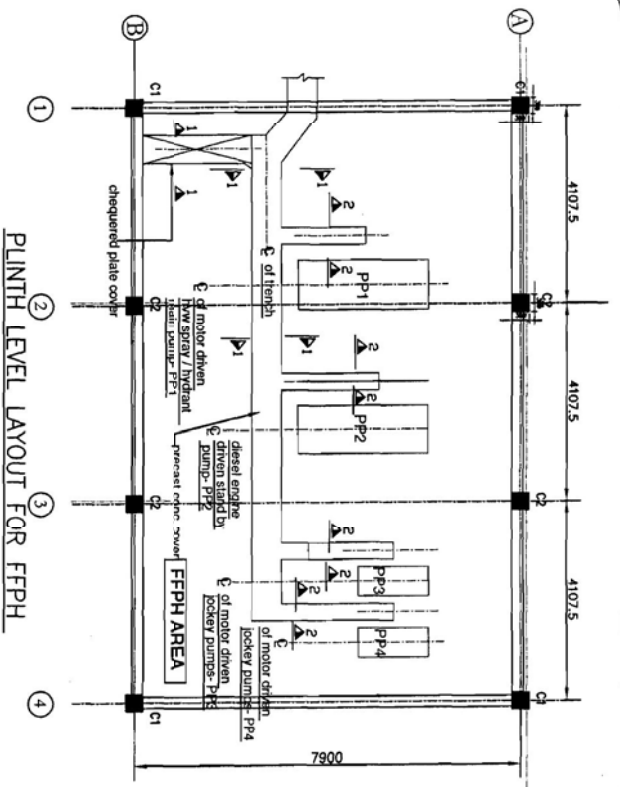
PROJECT:
 STANDARD FIRE FIGHTING PUMP
 HOUSE & WATER TANK.

TITLE:
 LINTEL LEVEL LAYOUT & DETAILS
 OF LINTEL BEAMS FOR FFPH

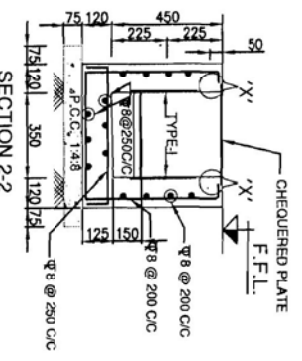
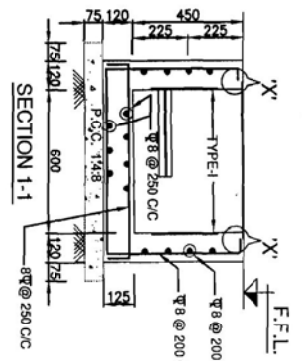
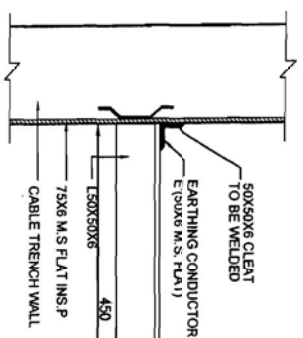
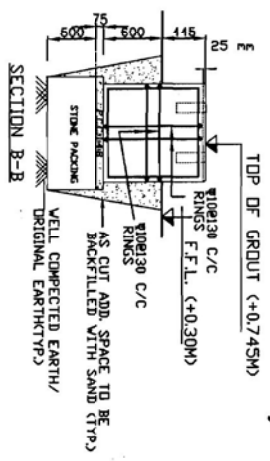
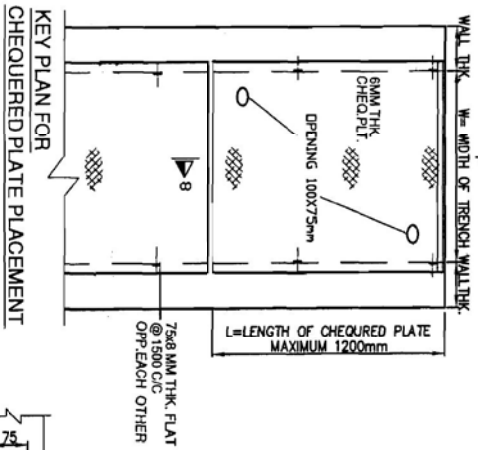
PREP.	REVD.	REVD.	REVD.	REVD.	REVD.	APPD.	DATE

DRAWING NO.:
 C/ENGG/STD/M25/FFPH-8

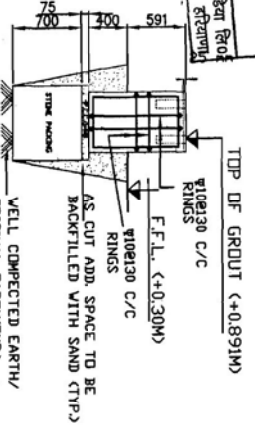
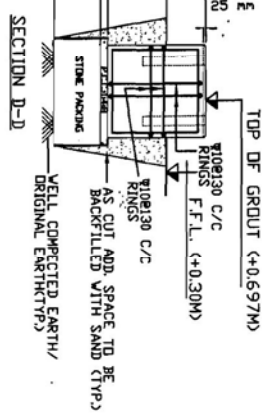
SCALE: N.T.S. Sheet 1



IMP:-
LOCATION OF CABLE TRENCHES AND DIMENSIONS OF PUMP FOUNDATIONS SHALL BE AS PER DETAIL PIPING LAYOUT OF FIRE WATER PUMPING SYSTEM.



REDUCTION:-
THE PAIR OF HOLES FOR V-TUP TO 350 MM DIA PAIR OF HOLES WHEN WIDTH IS MORE THAN 350 mm.



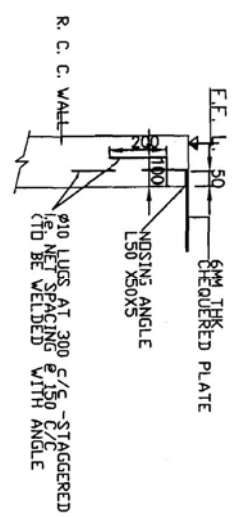
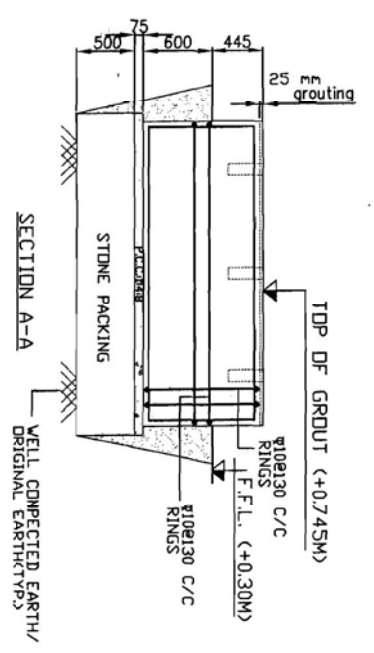
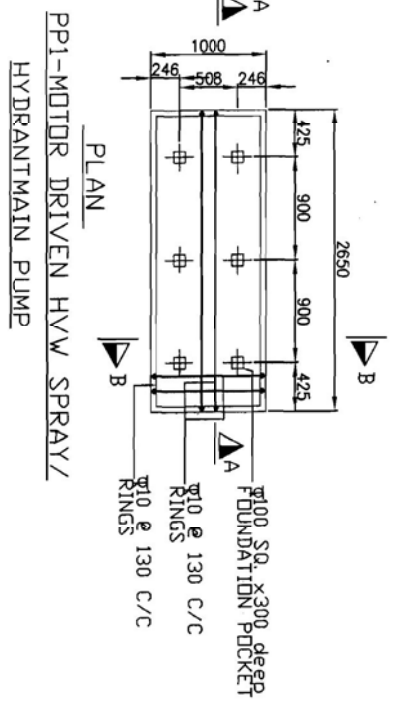
निर्माण हेतु जारी
आदेश क्र. 1
आवक संख्या 515
आवक संख्या 515
आवक संख्या 515

APPROVED BY: EDENGS (S/S) CIVIL & T/A DATED 21/08/13
FOR NOTES REFER PRG. NO.:-
C/ENG/STD/FFPH/15

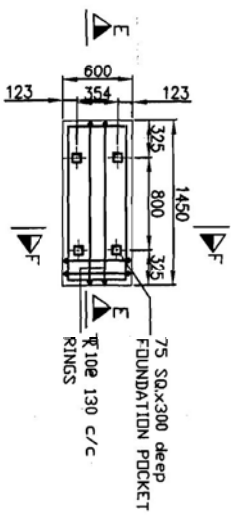
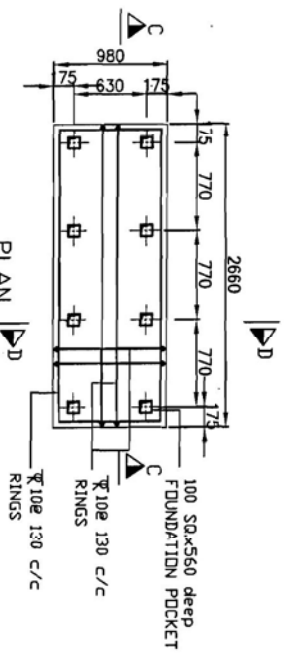
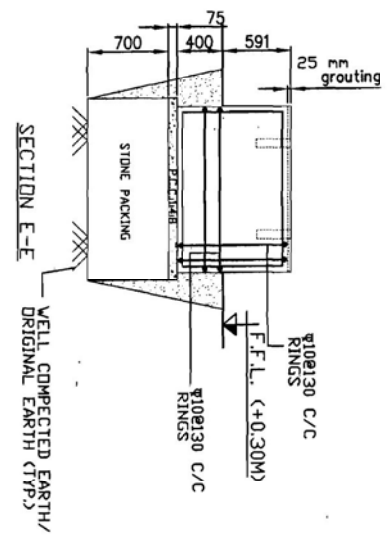
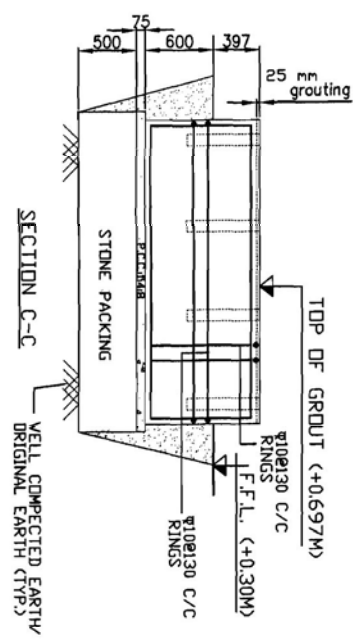
PREP BY: T.K.SONDIYA CDE (CIVIL)	REVD BY: R.S.SHIRMA CDE (CIVIL)	REVD BY: P.K. DAS CDE (S/S)	REVD BY: A.SPANDEY DEAD (CIVIL)	REVD BY: K.RAGHURAM ED (CIVIL)	APRD BY: ED (ENGG)	DATE
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PROJECT: STANDARD FIRE FIGHTING PUMP HOUSE & WATER TANK.		TITLE: DETAILS OF PUMP/MOTOR FOUNDATION AT PUNTH LEVEL FOR FFPH	
DRAWING NO. C/ENG/STD/M25/FFPH-13		SCALE: 1/10	
RELEASED FOR TENDER/CONSTRUCTION		NO. 2	
REVISED/ISSUE		R1	
DATE		19/08/13	
DATE		02/01/12	

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)



DETAIL AT 'X'
SCALE - 1:20



APPROVED BY E.D. ENGG-S/5th & T/L WOE NOTE SHEET
Ref - C/ENGG/CIVIL/STD/FDM/M25 Dated 09/02/2012

निर्माण हेतु जारी
Sava Skoul & S
धारा 133 के तहत जारी किया गया है।
अधिकारिता (निर्माण), अंश, संशोधन

RELEASED FOR TENDER/CONSTRUCTION
FOR NOTES REFER DRG. NO.:-

PREP.	REVD.	REVD.	REVD.	REVD.	APPO.	DATE

No.	Revision/Issue	Date
1.	RO	02/01/12

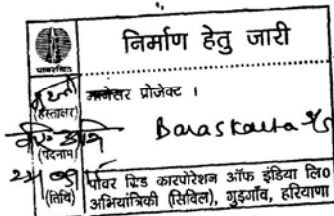
PROJECT:
STANDARD FIRE FIGHTING PUMP
HOUSE & WATER TANK.

TITLE: DETAILS OF PUMP/MOTOR
FOUNDATION AT PLINTH LEVEL
FOR FFPH

DRAWING NO. C/ENGG/STD/M25/FFPH-14
SCALE N.T.S. Sheet 1

GENERAL NOTES:-

- (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 WORK SHALL BE M25
- (4) ALL LEAN CONCRETE SHALL BE 1:4.8 (1 CEMENT ,4 COARSE SAND
8 GRADED STONE AGGREGATE 40 MM NOMINAL SIZE)
- (5) REEINFORCEMENT USED SHALL BE TMT BARS OF GRADE Fe 500 CONFORMING TO IS 1786
- (6) CLEAR COVER TO REINFORCEMENT SHALL BE AS UNDER
 - * BOTTOM AND SIDES OF FOUNDATION - 50 MM
 - * FOR COLUMN - 40 MM
 - * FOR BEAMS - 25 MM
 - * FOR LINTELS, CHAJJAS & SLABS - 20 MM
- 7 PROVIDE CLEAR COVER TO REINFORCEMENT FOR WATER TANK AS GIVEN BELOW..
25 mm FOR FACE IN CONTACT WITH WATER
50 mm FOR FACE IN CONTACT WITH SOIL
- 8 ALL LAPS SHALL BE STAGGERED AND LAP LENGTH SHALL BE 50 TIMES THE BAR DIA.
- 9 CONSTRUCTION JOINT SHOWN MAY BE SHIFTED IN CONSULTATION WITH SITE INCHARGE TO SUIT CONCRETING PROGRAMME/FORM WORK.
- 10 WATER NOT TO BE FILLED IN TANK UNTILL TOP LIFT HAS BEEN CAST & CURED
- 11 INTEGRAL WATER PROOFING COMPOUND SHALL BE ADDED WHILE CONCRETING AS PER Manufacturer's RECOMENDATIONS
- 12 ALL INSERTS, NOZZLES, PIPE SLEEVES ETC. SHOWN IN DRG. ARE INDICATIVE ONLY. THESE SHALL BE PLACED IN POSITION BEFORE CONCRETING ASPER FIREFIGHTING REQUIREMENTS.
- 13 DIMENSIONS OF EQUIPMENT FOUNDATIONS ARE INDICATIVE AND SHALL BE ASPER REQUIREMENTS OF MANUFACTURE.
- 14 PURLINS SHALL BE MANUFACTURED AFTER EXACT MEASUREMENT AT SITE.
- 15 COLOUR SCHEME MATCHING WITH CR BUILDNG SHALL BE DECIDED AT SITE
- 16 ALL EXTERNAL WALLS ARE 230 THICK
- 17 WATER PROOFING SHALL BE DONE AS PER SPECIFICATION
- 18 ALL EXTERNAL SURFACES SHALL HAVE 18 MM THK CEMENT PLASTER AS PER SPECIFICATION
- 19 ALL INTERNAL SURFACES SHALL HAVE 12 MM THK CEMENT PLASTER ON SMOOTH SURFACE OF BRICKWALL & 15mm THK. CEMENT PLASTER ON ROUGH SIDE OF BRICKWALL AS PER SPECIFICATION
- 20 CEILINGS SHALL HAVE 6MM THK CEMENT PLASTER AS PER SPECIFICATIONUN .
- 21 OUTSIDE AND INSIDE SURFACES OF FIRE WATER TANK SHALL BE UNPLASTERED AND PROVIDED WITH A NEAT COAT OF CEMENT WASH
- 22 FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF 9.0 MT/SQM
- 23 P.V.C. WATER STOPPER SHALL BE PROVIDED AT ALL CONSTRUCTION JOINT OF WATER STORAGE TANKS
- 24 IF EXPANSIVE SOIL IS MET AT FOUNDING LEVEL, NECESSARY TREATMENT OF SOIL SHALL BE DONE AS PER RECOMMENDATIONS OF SOIL REPORT BEFORE PLACING THE FOUNDATION.



APPROVED BY E.D.ENGG-S/Stn & T/L VIDE NOTE SHEET
Ref:- C/ENGG/CIVL/STD/FDN/M25 Dated 09/02/2012

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PREP.	REVD.	REVD.	REVD.	REVD.	APPD.	DATE

1.	RO	02/01/12
No.	Revision/Issue	Date
POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise)		
PROJECT: STANDARD FIRE FIGHTING PUMP HOUSE & WATER TANK.		
TITLE: GENERAL NOTES FOR FIRE FIGHTING PUMP HOUSE & WATER TANK		
DRAWING NO: C/ENGG/STD/M25/FFPH-15		
SCALE	SCALE N.T.S.	Sheet 1