

PANEL ARRANGEMENT PLAN LAYOUT

निर्माण हेतु जारी  
 इलाका: ...  
 (पतेनाम) Banastala  
 पावर ग्रिड कारपोरेशन ऑफ इंडिया लि०  
 अभियंत्रिकी (सिबिल), गुडगाँव, हरियाणा

R1 -> SLAB FOR CABLE TRENCH ADDED  
 2) CABLE TRANSIT SYSTEM ADDED

NOTES:

- 1) ALL DIMENSIONS ARE IN MM AND LEVEL ARE IN METER. UNTIL OTHERWISE SPECIFIED.
- 2) FOR INTERNAL CABLE TRENCH LAYOUT REFER APPROVED SUB-STATION SPECIFIC ELECTRICAL DRAWING.
- 3) PANELS SHOWN ARE INDICATIVE ONLY
- 4) ALL CABLE ENTRIES SHALL BE PROVIDED WITH "CABLE TRANSIT SYSTEM"

REFERENCE DRG.:

STANDARD SWITCHYARD PANEL ROOM,  
 DRG NO.: C-ENGG-STD-SPR-STR-3011 (Rev-01) DATED: 10.12.2010

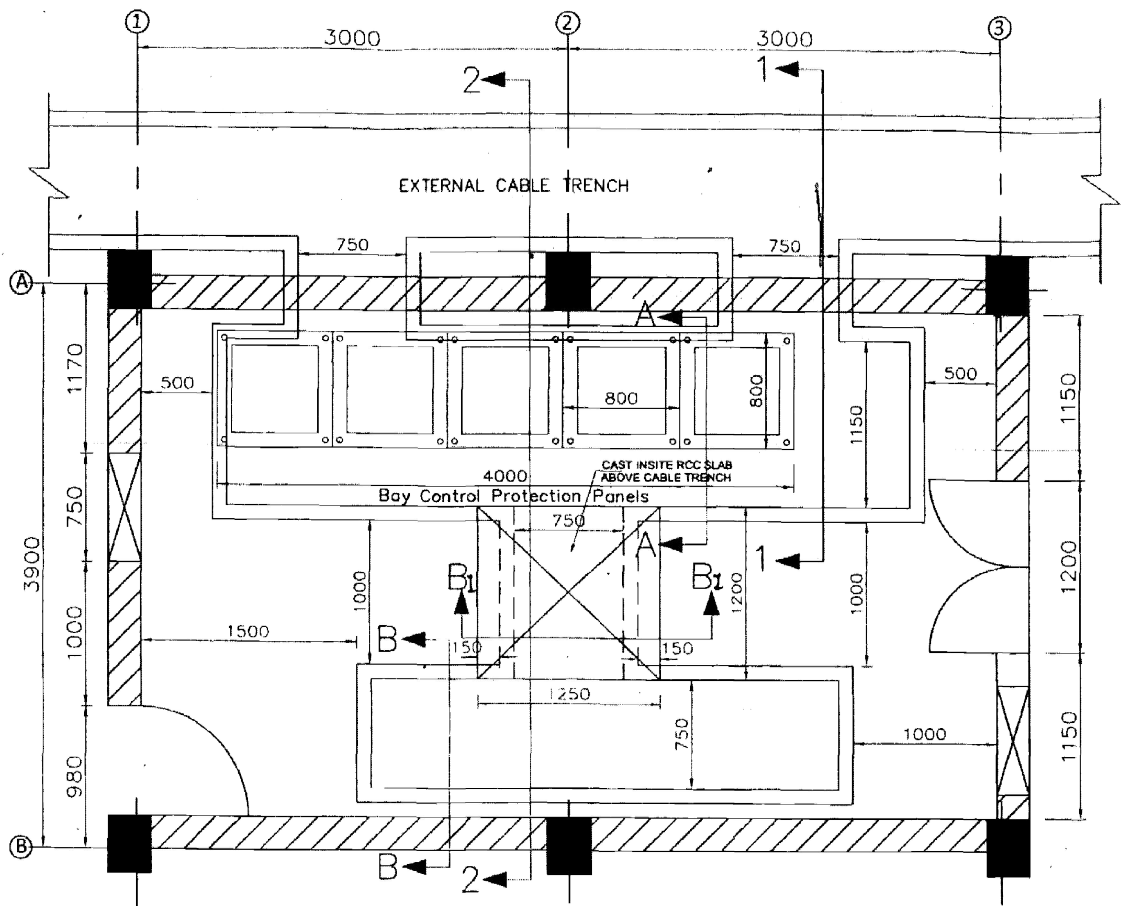
POWER GRID CORPORATION OF INDIA LIMITED  
 (A Government of India Enterprise)

PROJECT: 785/400/220 KV SUB-STATION.....

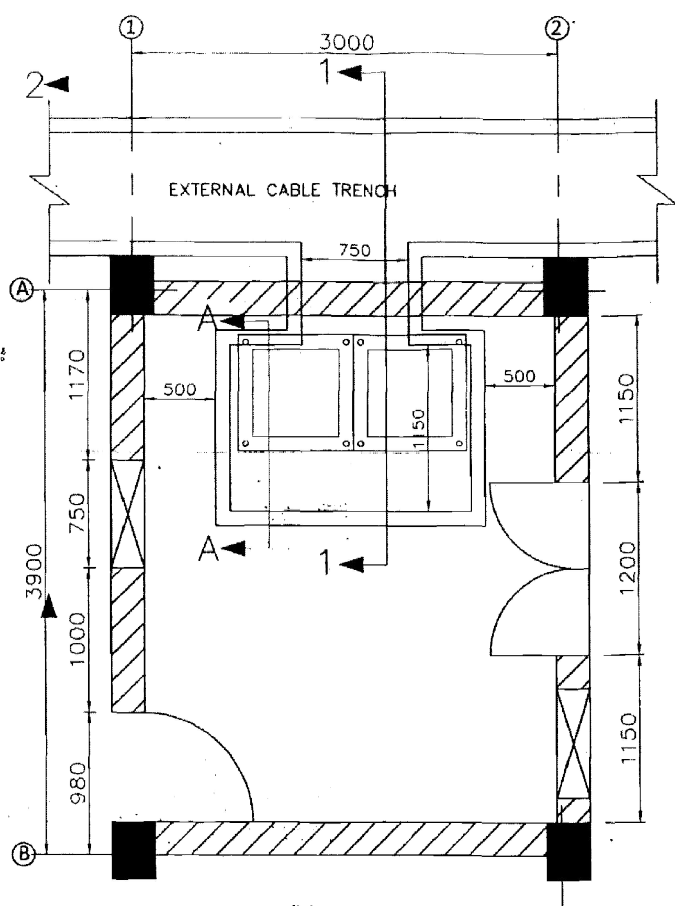
FILE: STANDARD SWITCHYARD PANEL ROOM (FOR 9 METER.)  
 GA & R.C.C DETAIL OF INTERNAL CABLE TRENCH

DRAWING NO: C-ENGG-STD-SPR-STR-3012 (SH. 1 OF 3) SCALE: NTS DATE: 16-4-17

PREP BY: T.K. SONDHIA JE (CIVIL)	REVD BY: S. SHARMA CDE (CIVIL)	REVD BY: R. SRIVASTAVA DGM (S/S)	REVD BY: A.S. PANDEY DGM (CIVIL)	REVD BY: K. RACHURAM GM (CIVIL)	DATE: 16-4-17
--	--------------------------------------	--	--	---------------------------------------	------------------



PANEL ARRANGEMENT PLAN LAYOUT



PANEL ARRANGEMENT PLAN LAYOUT

NOTES.:

- 1) ALL DIMENSIONS ARE IN MM. AND LEVEL ARE IN METER. UNTIL OTHERWISE SPECIFIED.
- 2) FOR INTERNAL CABLE TRENCH LAYOUT REFER APPROVED SUB-STATION SPECIFIC ELECTRICAL DRAWING.
- 3) PANELS SHOWN ARE INDICATIVE ONLY.
- 4) ALL CABLE ENTRIES SHALL BE PROVIDED WITH "CABLE TRANSIT SYSTEM".

REFERENCE DRG.:

STANDARD SWITCHYARD PANEL ROOM,  
DRG.NO.: C-ENGG-STD-SPR-STR-3011 (Rev-01) DATED:10.12.2010

निर्माण हेतु जारी

(हस्ताक्षर) **बनारसका** प्रोजेक्ट ।

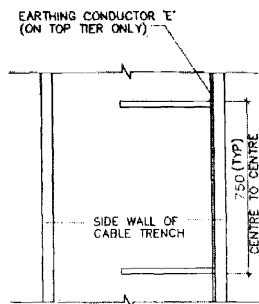
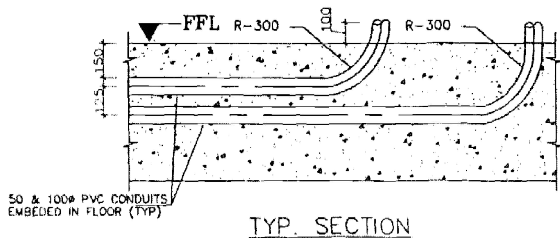
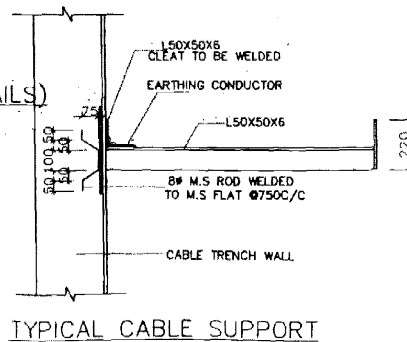
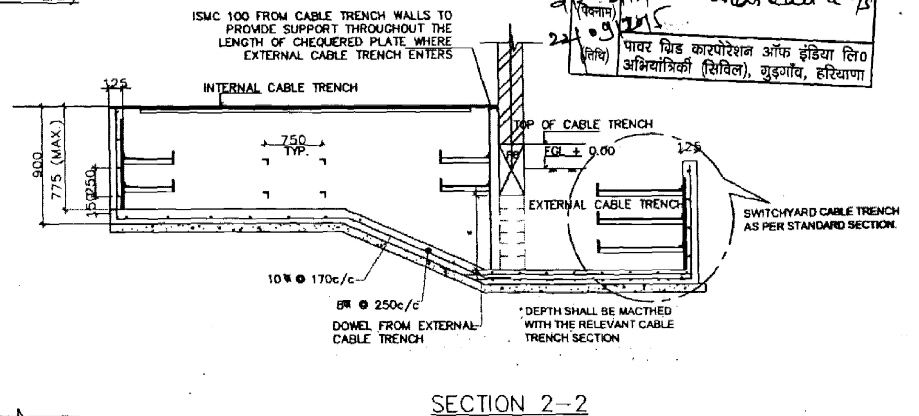
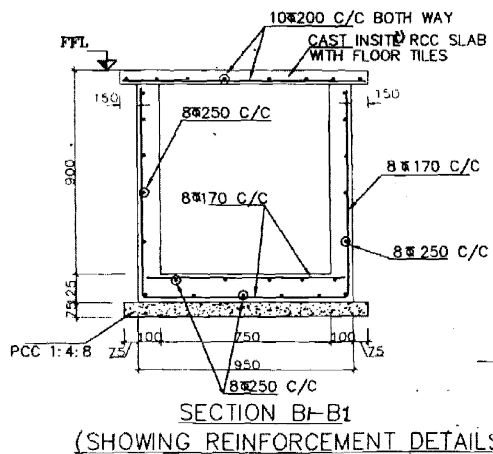
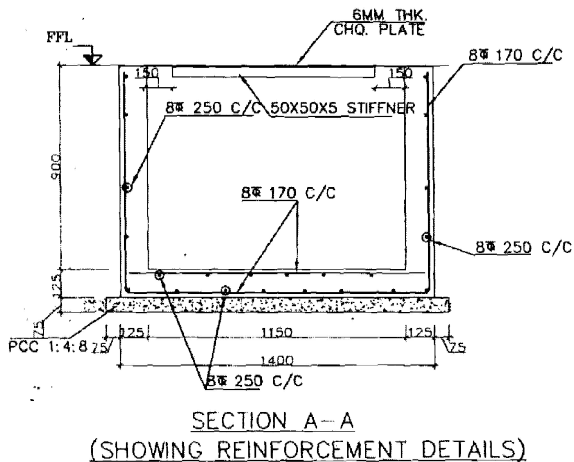
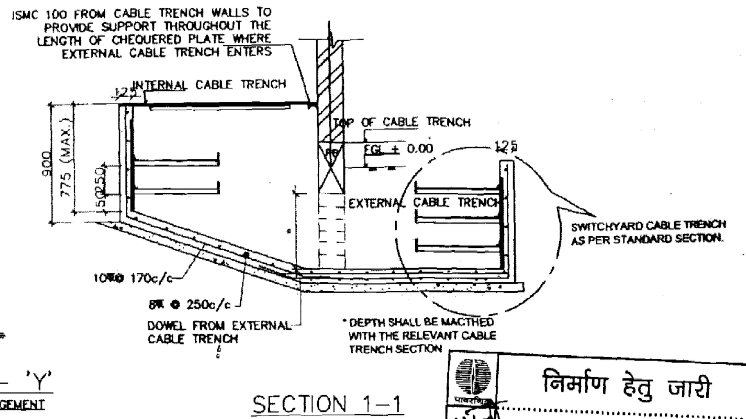
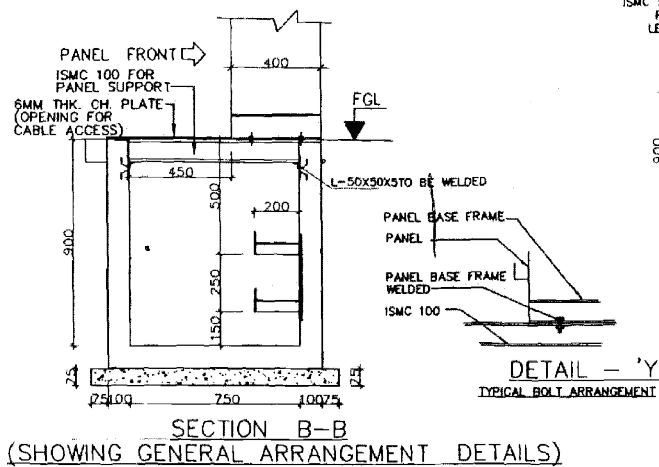
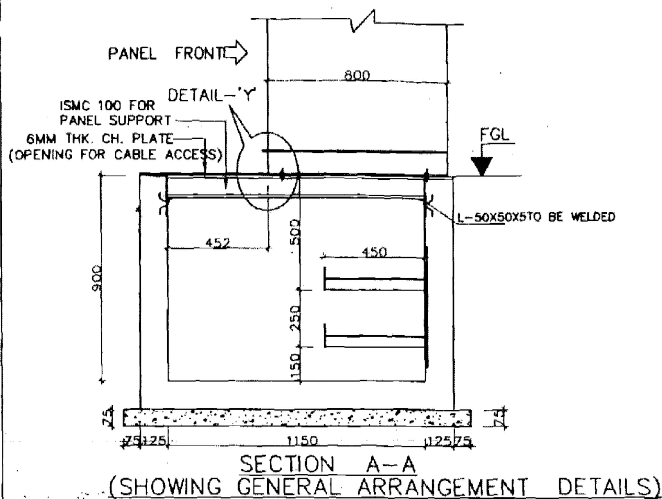
व.स.स. **Banastalka** १/१

(दिनांक) 22/09/2015

(लिये) पावर ग्रिड कारपोरेशन ऑफ इंडिया लि०  
अभियांत्रिकी (सिविल), गुडगाँव, हरियाणा

R1- SLAB FOR CABLE TRENCH ADDED

<p style="text-align: center;">POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise)</p>					
<p>PROJECT : 765/400/220 KV SUB-STATION.....</p>					
<p>TITLE : STANDARD SWITCHYARD PANEL ROOM (FOR 6 &amp; 3 METER.) CA &amp; R.C.C DETAIL OF INTERNAL CABLE TRENCH</p>					
<p>PREP BY: T.K.SONDHIYA JE (CIVIL)</p>	<p>REVD BY: S.SHARMA CDE (CIVIL)</p>	<p>REVD BY: R.SRVASTAVA DCM (S/S)</p>	<p>REVD BY: S.PANDEY DCM (CIVIL)</p>	<p>REVD BY: K.RAGHURAM DCM (CIVIL)</p>	<p>DATE 16.5.17</p>
<p>DRAWING NO. C-ENGG-STD-SPR-STR-3012 (SH. 2 OF 3)</p>				<p>SCALE: 1/1</p>	<p>REV 1</p>



R1- SLAB FOR CABLE TRENCH ADDED

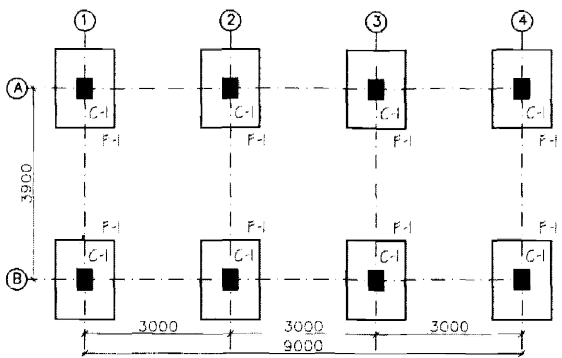
PREP BY: T.K. SONDHIYA (CIVIL)	REVO BY: S. SHARMA (CIVIL)	REVO BY: R. SRIVASTAVA (S/S)	REVO BY: A. PANDEY (CIVIL)	REVO BY: K. RAGHURAM (CIVIL)	DATE: 16/11/20
--------------------------------------	----------------------------------	------------------------------------	----------------------------------	------------------------------------	-------------------

निर्माण हेतु जारी  
स्वीचर प्रोजेक्ट ।  
श्री. कृष्ण - Baranaka 7/5  
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड  
अभियांत्रिकी (सिविल), गुडगाँव, हरियाणा

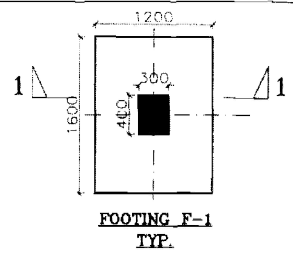
- NOTES:
1. ALL DIMENSION ARE IN MM UNLESS NOTED OTHERWISE.
  2. FOR NOTES REFER DRG. NO. C-ENGG-STD-SPR-STR-3011
  3. FOR LAYOUT REFER DRG. NO. C-ENGG-STD-SPR-STR-3012 (SHEET 1 OF 2)
  4. TOP OF CHEQUERED PLATE TO FLUSH WITH FINISHED FLOOR LEVEL
  5. THIS DRAWING SHALL BE MATCHED WITH VENDORS APPROVED INTERNAL CABLE TRENCH LAYOUT DRAWING BEFORE START OF CONSTRUCTION
  6. ALL WELDS ARE 6MM FILLET CONTINUOUS WELD UNLESS OTHERWISE SPECIFIED
  7. ISMC 100 SHALL BE PROVIDED @ 1000 C/C TO SUPPORT CHEQUERED PLATE WHEREVER CABLE TRENCH WIDTH EXCEEDS 1000 MM.
  8. ISMC 100 SHALL BE PROVIDED BELOW PANELS ALSO.
  9. FOR CABLE TRENCH WITH LESSER WIDTH L50x50x5 STIFFENER SHALL BE WELDED WITH CHEQUERED PLATE @ 1000 C/C.

POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise)		PROJECT: 765/400/220 KV SUB-STATION.....
TITLE: STANDARD SWITCHYARD PANEL ROOM GA & RCC DETAIL OF INTERNAL CABLE TRENCH		SCALE: REV 1
DRAWING NO. C-ENGG-STD-SPR-STR-3012 (SH. 3 OF 3)		

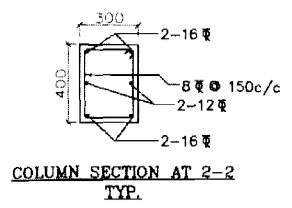




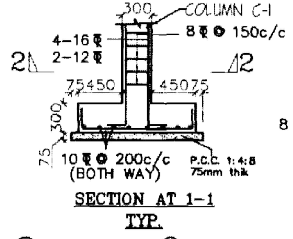
FOUNDATION PLAN



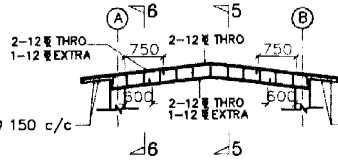
FOOTING F-1 TYP.



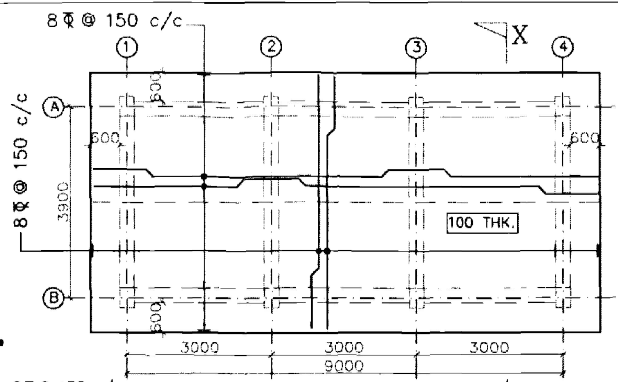
COLUMN SECTION AT 2-2 TYP.



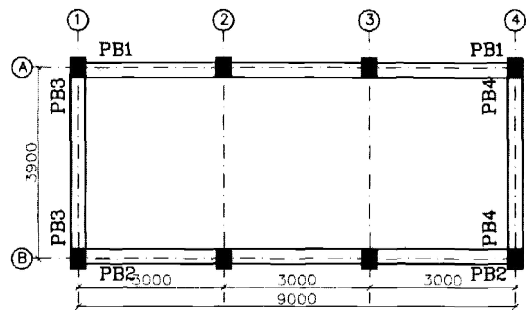
SECTION AT 1-1 TYP.



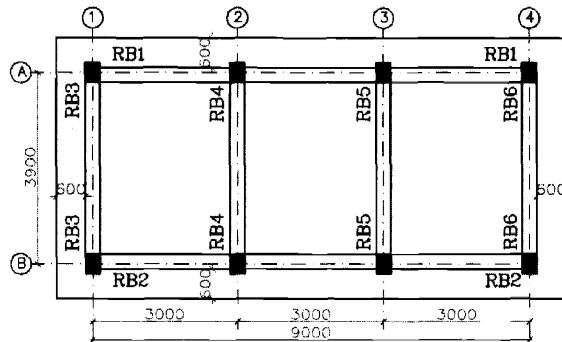
REINFORCEMENT ROOF PLAN OF TOP SURFACE SLAB



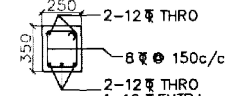
SECTION AT X-X



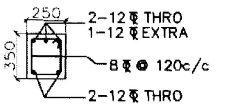
PLINTH BEAM PLAN



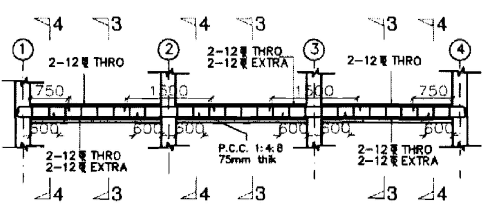
ROOF BEAM PLAN



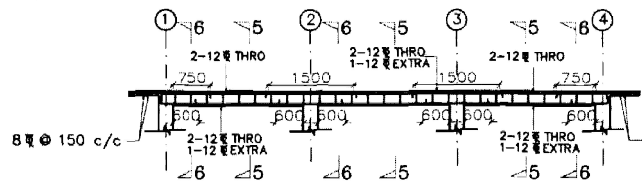
BEAM SECTION AT 5-5



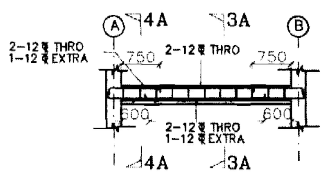
BEAM SECTION AT 6-6



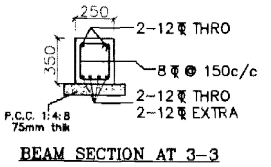
PB1 & PB2(250 X 350) ON GRID A & B



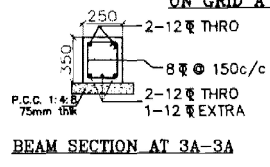
RB1 & RB2 (250 X 350) ON GRID A & B



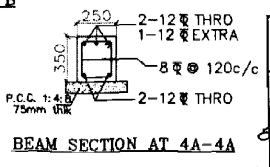
PB3 & PB4(250 X 350) ON GRID 1&4



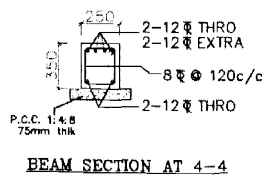
BEAM SECTION AT 3-3



BEAM SECTION AT 3A-3A



BEAM SECTION AT 4A-4A



BEAM SECTION AT 4-4

- NOTES :-
1. ALL LINEAR DIMENSION ARE IN MM AND LEVELS IN METERS.
  2. THIS DRAWING IS NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  3. ±0.00 CORRESPONDS TO FINISHED GROUND LEVEL (F.G.L.)
  4. ALL R.C.C. USED SHALL BE OF GRADE AS PER BPS.
  5. ALL R/F STEEL SHALL BE HYSD CONFORMING TO IS:1786.
  6. CLEAR COVER FOR MAIN R/F BARS SHALL BE 40MM FOR COLUMN, 25MM FOR BEAMS, 15MM FOR SLAB, 50MM FOR FOOTINGS.
  7. LAP LENGTH FOR R/F BARS SHALL BE 47 X DIA OF BAR.
  8. LAP SHALL NOT BE PROVIDED WITHIN A JOINT, OR WITHIN A DISTANCE 2 X DEPTH FROM THE EACH JOINT FACE, OR 1/4 OF MEMBER LENGTH FROM JOINT FACE.
  9. SPACING OF STIRRUPS PROVIDED OVER THE ENTIRE SPLICE LENGTH SHALL NOT EXCEED 150 MM.
  10. ALL FOUNDATION SHALL BE TAKEN AT LEAST 500MM BELOW VIRGIN SOIL. LOOSE POCKET IF ANY SHALL BE COMPLETELY REMOVED AND BACK FILLED WITH P.C.C. (1:4:8)
  11. REINFORCEMENT DETAILING SHALL BE AS PER SP - 34 AND IS 13920 LATEST.
  12. NET SAFE BEARING CAPACITY AT A DEPTH OF M. BELOW FGL. IS ASSUMED AS 9T/M<sup>2</sup>.
  13. Ld DEVELOPMENT LENGTH = 47 DIAMETER OF BAR.
  14. THE FOUNDATION SHOULD REST MINIMUM 500MM IN VIRGIN SOIL BY PROVIDING WELL COMPACTED STONE PACKING IF REQUIRED (SIZE 40mm TO 150mm) WITH INTERSTICES FILLED WITH SAND. STONE PACKING TO BE COMPACTED IN LAYERS OF 300mm AS PER CPWD SPEC.
  15. SWITCHYARD PANEL ROOM IS A MODULAR STRUCTURE OF 3M LENGTH AND 3.9M WIDTH. THE CONSTRUCTION OF SWYD PANEL ROOM SHALL BE CARRIED OUT IN MULTIPLES OF 3M LENGTH KEEPING WITH 3.9M AS CONSTANT AS PER REQUIREMENT OF SITE SPECIFIED IN LDA/ LAYOUT APPD. BY S/S ENGG.

THIS DRAWING HAS BEEN REPRODUCED FROM EARLIER APPROVED DRAWING NO. C-ENGG-STD-SPR-STR-3011

निर्माण हेतु जारी  
 प्रोजेक्ट 1  
 (स्थान)  
 (परमाणु)  
 (लिपि)  
 पॉवर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड  
 अभियांत्रिकी (सिविल), गुरुग्राम, हरियाणा

RELEASED FOR TENDER/CONSTRUCTION

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

PROJECT : 765/400/220 KV SUB-STATION

TITLE : STANDARD SWITCHYARD PANEL ROOM  
 G.A. AND RCC DETAIL OF PANEL ROOM

REV.	DESCRIPTION	CIVL.	REVD.	ELEC.	REVD.	REVD.	APPD.	DATE.

CLEARED BY

DRAWING NO. C-ENGG-STD-SPR-STR-3011  
 SCALE: N.T.S  
 REV: 0