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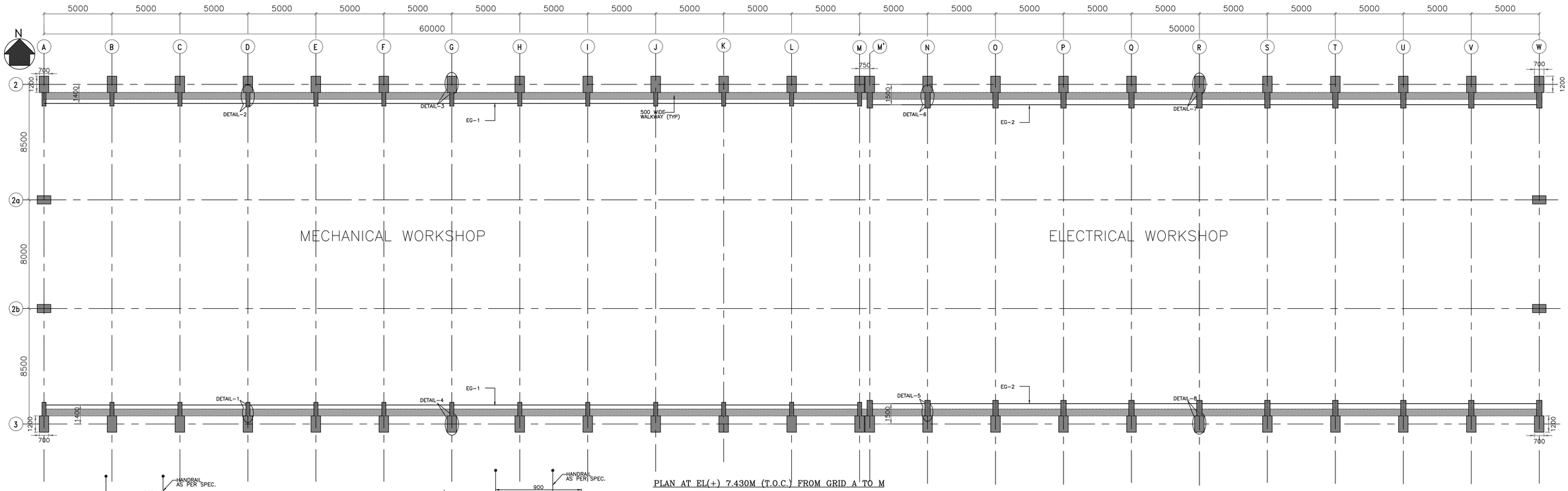
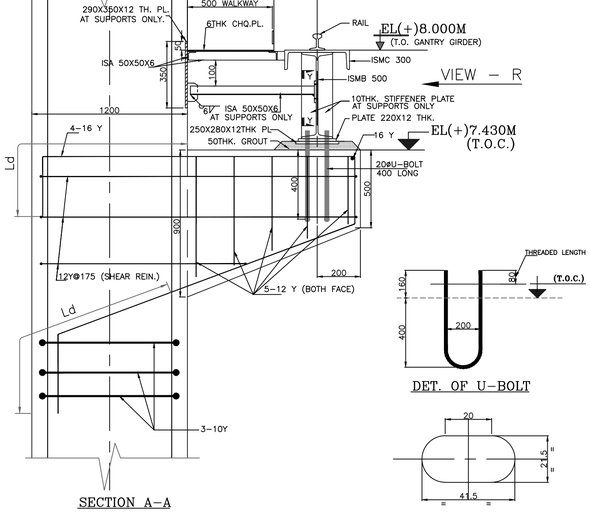
DRAWING NO. PE-DG-434-645-C009

FIRST ANGLE PROJECTION — ALL DIMENSIONS ARE IN MM

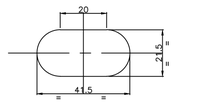


PLAN AT EL(+) 7.430M (T.O.C.) FROM GRID A TO M
PLAN AT EL(+) 9.730M (T.O.C.) FROM GRID M' TO W

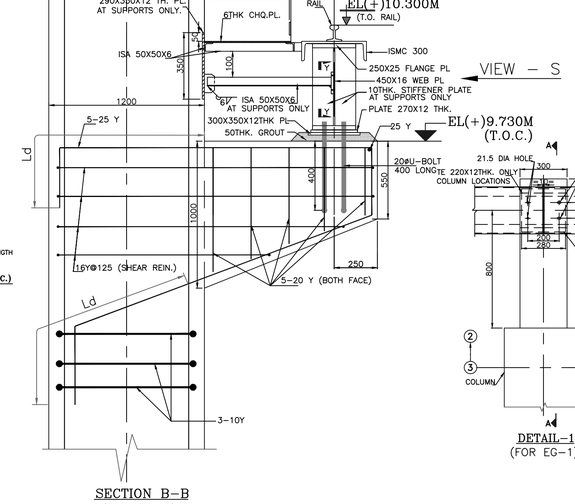


SECTION A–A
(FOR EG–1)

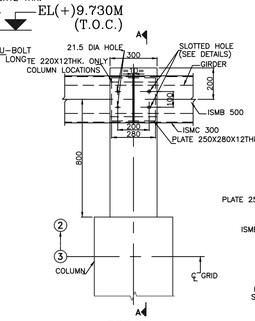
DET. OF U–BOLT



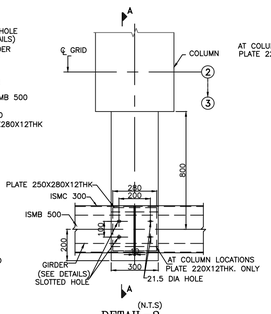
DET. OF SLOTTED HOLE



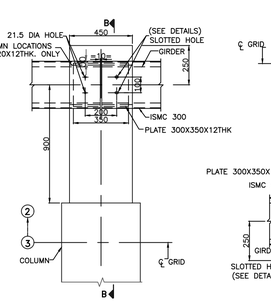
SECTION B–B
(FOR EG–2)



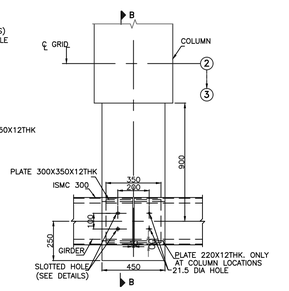
DETAIL–1
(FOR EG–1)



DETAIL–2 (N.T.S)
(FOR EG–1)



DETAIL–5
(FOR EG–2)



DETAIL–6
(FOR EG–2)

NOTES:–
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, TECHNICAL SPECIFICATIONS AND SCHEDULE OF ITEMS.
2. ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METRES UNLESS STATED OTHERWISE.
3. ALL ELEVATIONS ARE REFERRED TO THE FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL(+) 375.50 M. FINISHED FLOOR LEVEL OF WORKSHOP BUILDING IS AT EL (+)3.000M/RL(+)378.50M. FINISHED GROUND LEVEL/(FGL) OUTSIDE BUILDING IS AT EL (+)2.500M/RL(+)378.00M
4. ALL MATERIAL, QUALITY TESTING, STORAGE, FORM WORK, CONCRETE MIXING, PLACEMENT OF REINFORCEMENT & CONCRETE, WORKMANSHIP, SAFETY, ETC. SHALL CONFORM TO IS:456 & THE TECHNICAL SPECIFICATIONS.
5. REINFORCED CONCRETE USED SHALL BE OF GRADE M25 CONFORMING TO IS:456-2000.
6. THE ROUGH EXCAVATION MAY BE CARRIED UPTO A MAXIMUM DEPTH OF 300mm ABOVE FOUNDING LEVEL, THE BALANCE SHALL BE EXCAVATED WITH SPECIAL CARE AND LEAN CONC. SHALL BE PLACED IMMEDIATELY AFTER FINAL EXCAVATION LEVEL IS REACHED.
7. NET SBC CONSIDERED AT FOUNDING LEVEL OF RL.(+)375.50M IS 45T/SQM.

ENGINEERING REFERENCE DRAWINGS :–
1. PE–DG–434–100–A001(R04) – PLOT PLAN
   NTPC DRG NO.: 9585–001–999–POC–F–001
2. PE–DG–434–568–A001(R04) – WORKSHOP BUILDING–LAYOUT OF WORKSHOP BUILDING
   NTPC DOC. NO. 9585–001–100–PVM–F–001
3. PE–DG–434–645–C004 – WORKSHOP BUILDING–GA & RC DETAILS OF FOUNDATION & COLUMNS
   NTPC DOC. NO. 9585–001–315–PVC–C–1291
4. PE–DG–434–501–A004 – CCD OF MECHANICAL WORKSHOP 10 T (DOUBLE GIRDER) E.O.T. CRANES
   NTPC DOC. NO. 9585–001–315–PVM–B–002
5. PE–DG–434–501–A005 – CCD OF ELECTRICAL WORKSHOP 55 T (DOUBLE GIRDER) E.O.T. CRANES
   NTPC DOC. NO. 9585–001–315–PVM–B–003
6. PE–DG–434–600–C001 – GENERAL NOTES & STANDARD DETAILS FOR CIVIL WORKS
   NTPC DOC. NO. 9585–001–315–PGC–C–0451B

ARCHITECHTURAL DRAWINGS :–
1. PE–DG–434–645–C001 – WORKSHOP BUILDING–ARCHITECTURAL PLANS
   NTPC DOC. NO. 9585–001–315–PVC–C–1299
2. PE–DG–434–645–C002 – WORKSHOP BUILDING–ARCHITECTURAL ELEVATIONS,SECTIONS
   NTPC DOC. NO. 9585–001–315–PVC–C–1302

SYMBOLS & ABBREVIATIONS
1. TOC = TOP OF CONCRETE
2. BOC = BOTTOM OF CONCRETE
3. TYP. = TYPICAL
4. THK. = THICKNESS
5. NTS = NOT TO SCALE
6. T.O.CP. = TOP OF CHEQUERED PLATE

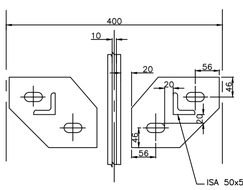
BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)
THIS DRAWING MARKED (✓) IS RELEASED FOR
☐ COMMENTS/APPROVAL ☐ FABRICATION
☐ PLANNING ☐ INFORMATION
☑ CONSTRUCTION
STAMP ALL PREVIOUS REVISION AS SUPERSEDED
ISSUED BY
NAME: ABHAY KUMAR
SIGNATURE
DATE: 24/01/2020

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)
THIS DRAWING MARKED (✓) IS RELEASED FOR
☐ COMMENTS/APPROVAL
☑ PLANNING/INFORMATION
☐ CONSTRUCTION
STAMP ALL PREVIOUS REVISION AS SUPERSEDED
ISSUED BY
NAME: ABHAY KUMAR
SIGNATURE: –SD–
DATE: 10.01.2020

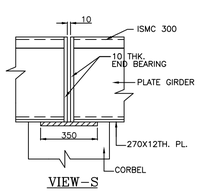
Signature Not Verified
Digitally signed by B. Prasad
Date: 2020.01.14 10:24:58 IST
Reason: CAT
Location: NTPCEOC

SPECIAL NOTE

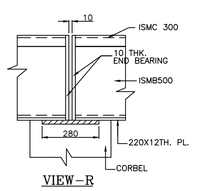
DRAWINGS / DOCUMENTS ARE BEING SUBMITTED FOR INFORMATION. BHEL HEREBY CONFIRMS FULL COMPLIANCE TO ALL THE SPECIFIED REQUIREMENTS OF THE CONTRACT SPECIFICATION, WITHOUT ANY DEVIATION, WHATSOEVER. IN CASE DURING THE TENURE OF THE CONTRACT, IT IS OBSERVED/FOUND THAT THE DATA/ INFORMATION IN THE RELEASED DRAWING/DOCUMENT IS NOT MEETING THE CONTRACT SPECIFICATION, BHEL/ITS VENDOR(S) WILL MODIFY/ RECTIFY/REPLACE THE SAME TO MEET THE SPECIFICATION WITHOUT ANY COMMERCIAL IMPLICATION OR ANY TIME EXTENSION TO PVUNL/NTPC IN THIS REGARD.



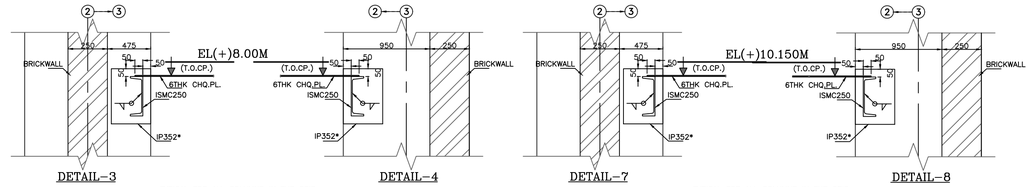
SEC. Y–Y



VIEW–S



VIEW–R



DETAIL–3 DETAIL–4 DETAIL–7 DETAIL–8

TYPICAL FOR ALL COLUMNS IN THE GRID IP352* SHALL BE PROVIDED ON BOTH FACE OF COLUMNS FROM ROW–B TO ROW–M AND ON INNER FACE OF COLUMN AT ROW–A

TYPICAL FOR ALL COLUMNS IN THE GRID IP352* SHALL BE PROVIDED ON BOTH FACE OF COLUMNS FROM ROW–M TO ROW–V AND ON INNER FACE OF COLUMN AT ROW–W

REV	DATE	ALTD	CHD	APPD

REV	DATE	ALTD	CHD	APPD

JOB NO.	434
STATUS	CONTRACT
DRG./REF. NO. (INTERNAL)	
PRINT SCALE IN METRE	0 2 4 6 8 10 20 30 40 50

NTPC DRAWING NO. *9585–001–315–PVC–C–1296*

CUSTOMER: PATRATU VIDYUT UTPADAN NIGAM LIMITED
(A SUBSIDIARY OF NTPC LTD)

PROJECT : PATRATU SUPER THERMAL POWER PLANT (3 X 800MW)

CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

DEPT CODE	DRAWING	NAME	SIGN	DATE
C	DRN	SUCHITRA	–SD–	10.01.2020
	DESN	LOKESH GOYAL	–SD–	10.01.2020
	CHD	ABHAY KUMAR	–SD–	10.01.2020
	APPD	ABHAY KUMAR	–SD–	10.01.2020

TITLE: WORKSHOP BUILDING –DETAILS OF GANTRY GIRDER

CIVIL	MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE VARIES	DRAWING NO.
C						SIGN		PE–DG–434–645–C009
						DATE		SHEET 1 OF 1 REV. 0

FORMAT SIZE A1