

NOTE:-

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTACT TERMS AND CONDITIONS, TECHNICAL SPECIFICATIONS AND SCHEDULE OF ITEMS.
  2. ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METERS UNLESS STATED OTHERWISE.
  3. ALL ELEVATIONS ARE REFERRED TO THE FINISHED FLOOR LEVEL OF POWER HOUSE BUILDINGS AS EL. 0.00 M WHICH CORRESPONDS TO RL(+/-) 375.50 M.
  4. CHECK ALL DIMENSIONS, CO-ORDINATES & ELEVATIONS IMMEDIATELY. REPORT ANY DISCREPANCIES OR ERRORS FOR CLARIFICATION PRIOR TO COMMENCING WORK.
  5. CONNECTION DETAILS SHOWN ARE INDICATIVE ONLY. SIZE & THICKNESS OF STIFFENERS, NO. & DIA. CONNECTION BOLTS ETC. SHALL BE DESIGNED & SPECIFIED BY FABRICATOR AND SHALL BE SHOWN IN CORRESPONDING FABRICATOR DRG. AND SAME TO BE SENT TO DESIGNER FOR APPROVAL BEFORE FABRICATION AND ERECTION.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH GENERAL NOTES FOR STRUCTURAL STEEL WORKING.
- PC-03-04-000-C004 (9985-001-315-PC-C-0089A)

### ERECTION SEQUENCE-1

1. ONE LEG OF ANGLE 2/4 SHALL BE WELDED WITH MAIN BEAM AT SHOP.
2. HOLES FOR BOLT SHALL BE DRILLED AT SHOP IN OTHER OUTSTANDING LEG OF ANGLE 2/4 AS PER FABRICATION DRAWING.
3. ANGLE 1/3 WILL HAVE HOLES DRILLED IN BOTH LEGS AT SHOP AS PER FABRICATION DRAWING AND SHALL BE SHIPPED LOOSE TO SITE.

#### 4. AFTER PLACING SECONDARY SECONDARY BEAM

5. AFTER PLACING SECONDARY BEAM IN POSITION WITH CRANE, BOTH ANGLE 3 & 4 SHALL BE BOLTED SECONDARY BEAM
6. OUTSTANDING LEG OF ANGLE 1/3 SHALL BE BOLTED TO MAIN BEAM.
7. PLEASE ENSURE THAT WHEN 'D' IS LESS THAN 500MM, SHEAR CLEAT ANGLES 2 & 4 SHALL NECESSARILY BE CONNECTED ON THE NEAR SIDE WEB FACES OF BOTH SECONDARY BEAMS.

## SEQUENCE-2

1. ONE LEG OF ANGLE 1/4 SHALL BE WELDED WITH MAIN BEAM AT SHOP.
2. HOLES FOR BOLT SHALL BE DRILLED AT SHOP IN OTHER OUTSTANDING LEG OF ANGLE 1/4 AS PER FABRICATION DRAWING.
3. ANGLE 2/3 WILL HAVE HOLES DRILLED IN BOTH LEGS AT SHOP AS PER FABRICATION DRAWING AND SHALL BE SHIPPED COUSE TO SITE.
4. AFTER PLACING SECONDARY BEAM IN POSITION WITH CRANE, BOTH ANGLE 2 & 3 SHALL BE BOLTED TO SECONDARY BEAM.
5. OUTSTANDING LEG OF ANGLE 2/3 SHALL BE BOLTED TO MAIN BEAM.

### ENGINEERING REFERENCE DRAWINGS :-

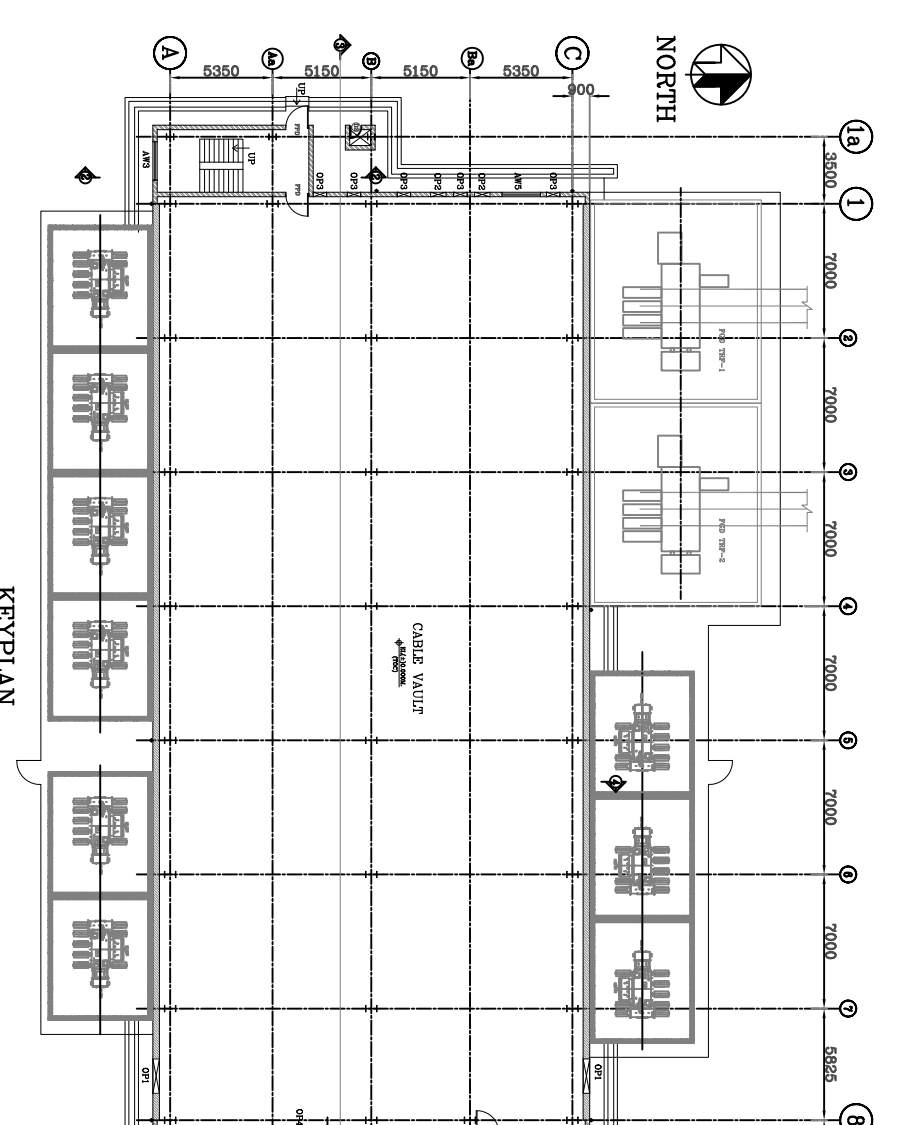
1. PE-0G-434-619-0007-ESP CONTROL BUILDING---GA & RC DETAIL OF FOUNDATION, PERESTRAL, & PLINTH BEAM.(UNIT-1) & (3) (9585-001-315-PVC-C-1112)
  2. PE-0G-434-619-0008-ESP CONTROL BUILD-UNIT 1 & 3-LAYOUT AND DETAILS OF BASE PLATE (9585-001-315-PVC-C-1122)
  2. PE-0G-434-619-0009-ESP CONTROL BLDG. 1 & 3-STRUCTURAL FRAMING UNIT-1&3 (9585-001-315-PVC-C-1123)
- ARCHITECTURAL DRAWING**
1. PE-0G-434-619-0001-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1137)
  2. PE-0G-434-619-0002-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1138)
  3. PE-0G-434-619-0003-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1139)
  4. PE-0G-434-619-0004-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)

# ARCHITECTURAL DRAWING

1. PE-0G-43+9-09-0001-EPS CONTROL BUILDING-UNIT 1.2K 3-ARCHITECTURAL PLANS (9585-00-315-P-VC-1137)
2. PE-0G-43+4-619-0002-EPS CONTROL BUILDING-UNIT 1.2K 3-ARCHITECTURAL PLANS (9585-00-315-P-VC-1138)
3. PE-0G-43+4-619-0003-EPS CONTROL BUILDING-UNIT 1.2K 3-ARCHITECTURAL ELEVATIONS (9585-00-315-P-VC-1139)
4. PE-0G-43+4-619-0003-EPS CONTROL BUILDING-UNIT 1.2K 3-ARCHITECTURAL ELEVATIONS (9585-00-315-P-VC-1139)

**LEGEND:**  
1. TOS = TOP OF STEEL  
2. BOS = BOTTOM OF STEEL

6. ITH. = ITHICK  
7. PLT. = PLATE



PROJ. BEAM SECTION	GRADE
3S81	MB-600
3S82	MB-450
3S83	MB-200
	E250

S/L NO.	TYPE	QTY.	UNIT	REMARK
1	MB-600	1.72	MT.	E250
2	MB-500	3.85	MT.	E250
3	MB-450	48.15	MT.	E250
4	MB-400	4.30	MT.	E250
5	MB-350	1.82	MT.	E250
6	MB-200	0.25	MT.	E250
7		100%	MT.	
		60.66	MT.	

DATE	APPROV. NAME
04/07/2019	


☐ PROJECT ENGINEERING WORK (P.E.)  
☐ PLANNING/INFORMATION  
☐ CONSTRUCTION  
☐ MATERIALS SECTION AS SUPERVISOR

(P.E. PROJECT ENGINEERING WORK (P.E.) IS RELEASED FOR COMMENTS/REVISION)

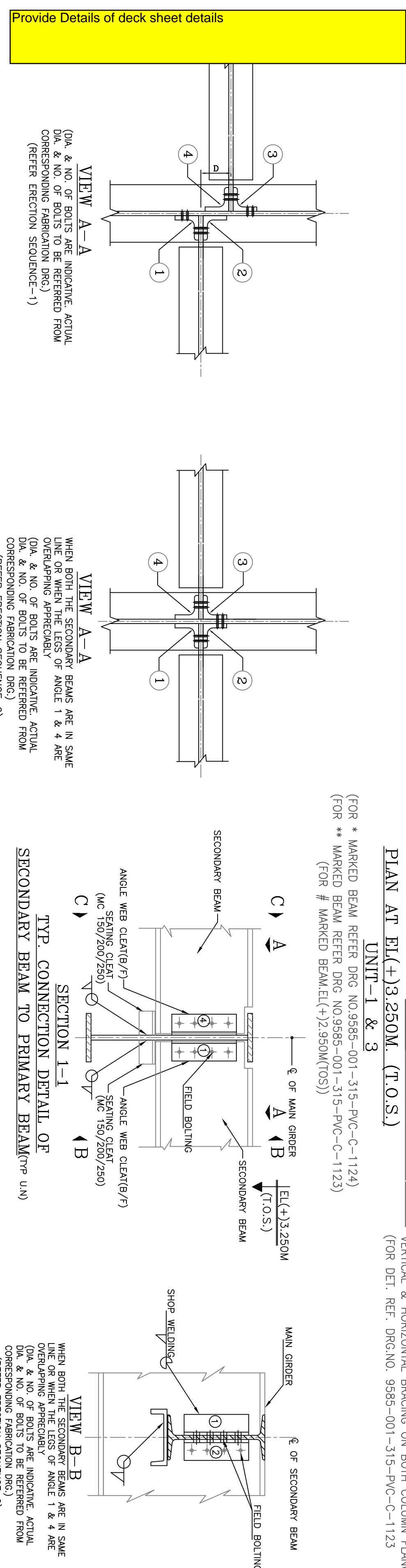
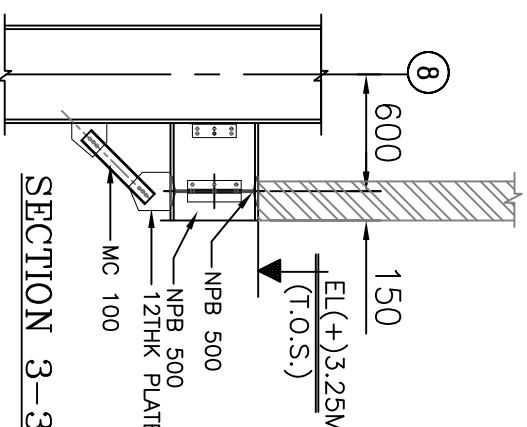


NPPC DWG. NO. 9585-001-315-PVC-C-1130A SHT-1  
 CUSTOMER  
 NPPC LIMITED  

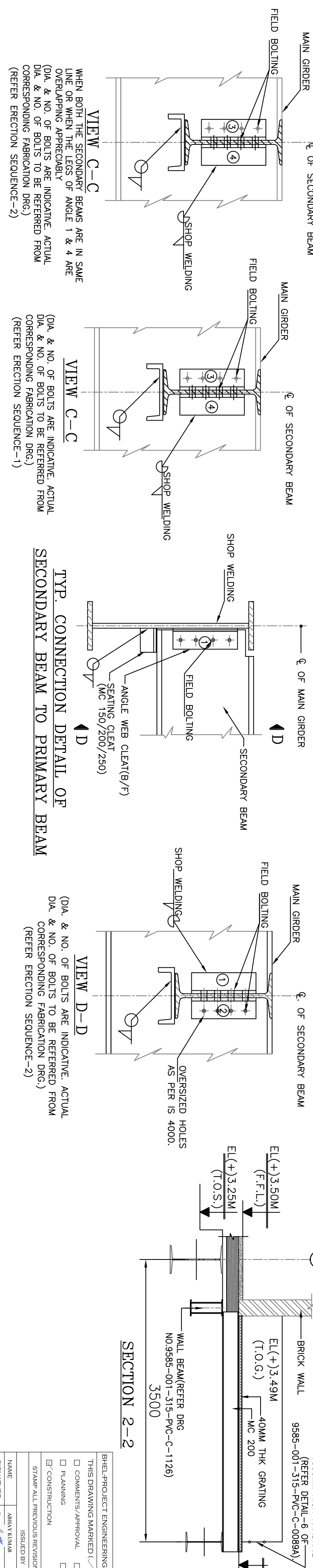

SECTION 3-3		3x800MM PATRATU SUPER THERMAL POWER PROJECT	
09 NO.	434	BHARAT HEAVY ELECTRICALS LTD	
PARTS		POWER SECTOR	
DISTRIBUTION		PROJECT ENGINEERING MANAGEMENT	
		NOTED	
		<p>THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT IS TO BE KEPT STRICTLY CONFIDENTIAL AND NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.</p>	
DATE	4/10	CMD	APPRO
TITLE		ESP CONTROL BUILDING	
FIRST FLOOR FRAMING DETAILS UNIT-1,2&3			
ISERT	SCALE 1:100	DRAWING NO.	

BHEL PROJECT ENGINEERING MANAGEMENT CELL	
THIS DRAWING MARKED (✓) IS RELEASED FOR	
<input type="checkbox"/> COMMENTS/APPROVAL	<input type="checkbox"/> FABRICATION
<input type="checkbox"/> PLANNING	<input type="checkbox"/> INFORMATION
<input checked="" type="checkbox"/> CONSTRUCTION	
STAMP ALL PREVIOUS REVISION AS SUPERSEDED	
ISSUED BY	
NAME	ABHAY KUMAR
SIGNATURE	
DATE	06/06/2019

MRO. AS DETAILS		BEAM SECTION	GRADE
3581	NPB-600	E250	
3582	MB-450	E250	
3583	MB-200	E250	
3584	MB-350	E250	
3585	MB-350	E250	
3586	MB-350	E250	
3587	MB-400	E250	
3588	MB-350	E250	
3589	MB-500	E250	
BKT	REFER SECC. 3	E250	



All the welding shall be shop welding



PLAN AT EL(+).3.250M. (T.O.S.)

(FOR DET. REF. DRG.NO. 9585-001-315-PVC-C-1123

(FOR \* MARKED BEAM REFER DRG NO.9585-001-315-PVC-C-1124)  
(FOR \*\* MARKED BEAM REFER DRG NO.9585-001-315-PVC-C-1123)  
(FOR # MARKED BEAM (1/25000/TG))

MARKED BEAM REFER DRG NO.9585-001-3  
(EOD // MARKED BEAM FI (1) 2 0EOW(TOC))

SHALL BE SHIPPED LOOSE TO SITE.

CA



