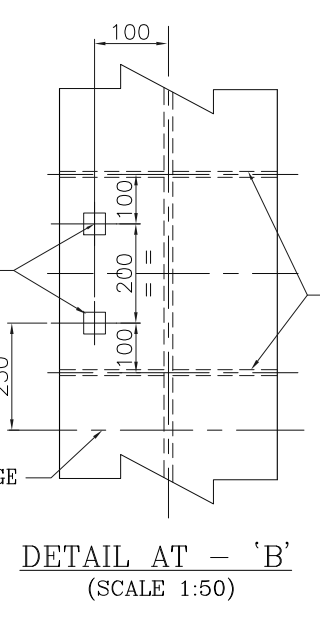
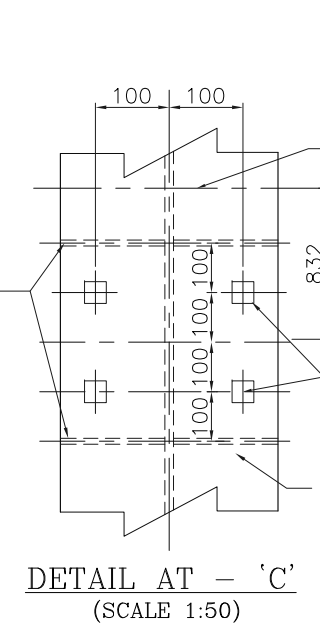


FEEDER FLOOR LVL. PLAN AT EL(+25.450M (T.O.S.))
BOILER AND BUNKER BUILDINGS ARE ENVISAGED AS INTEGRATED STRUCTURE. ENGINEERING AND SUPPLY OF BOILER/ BUNKER INTEGRATED STRUCTURE IS IN THE SCOPE OF BHEL-TRICHY.
THIS DRAWING IS INTENDED TO SHOW SECONDARY BEAMS OF FEEDER FLOOR ONLY WHICH IS IN SCOPE OF BHEL-PFM.
(SCALE 1:100)

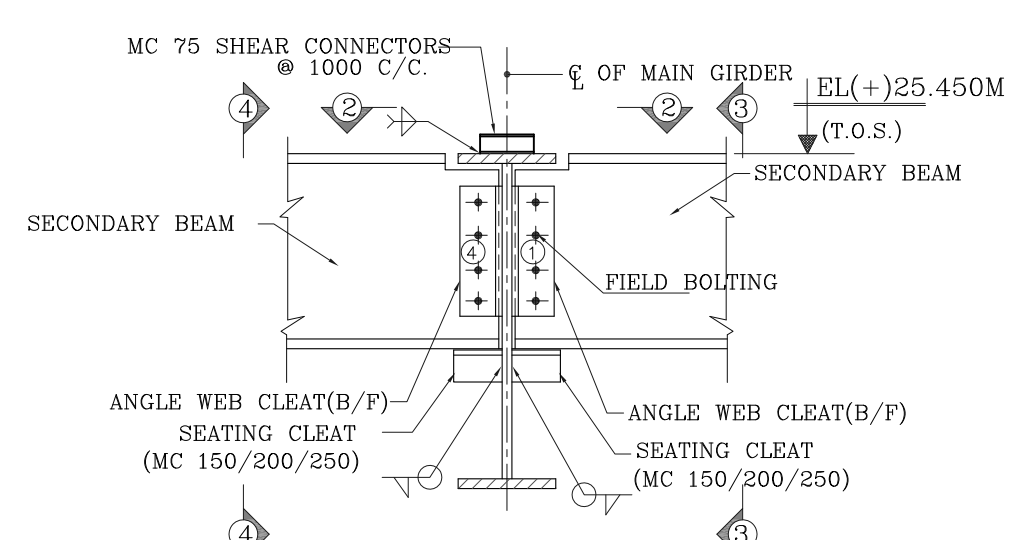
DETAIL AT - 'A'
(SCALE 1:50)



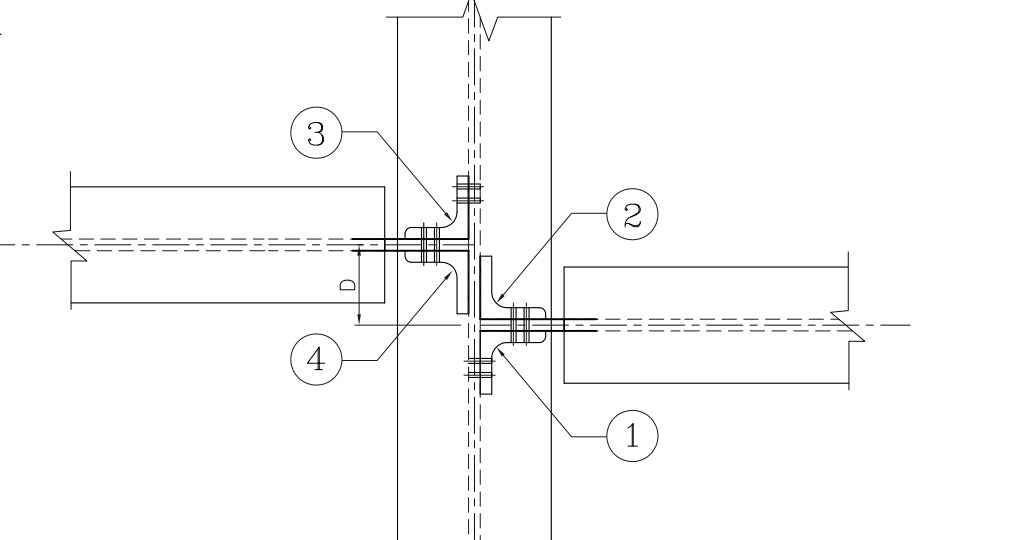
DETAIL AT - 'B'
(SCALE 1:50)



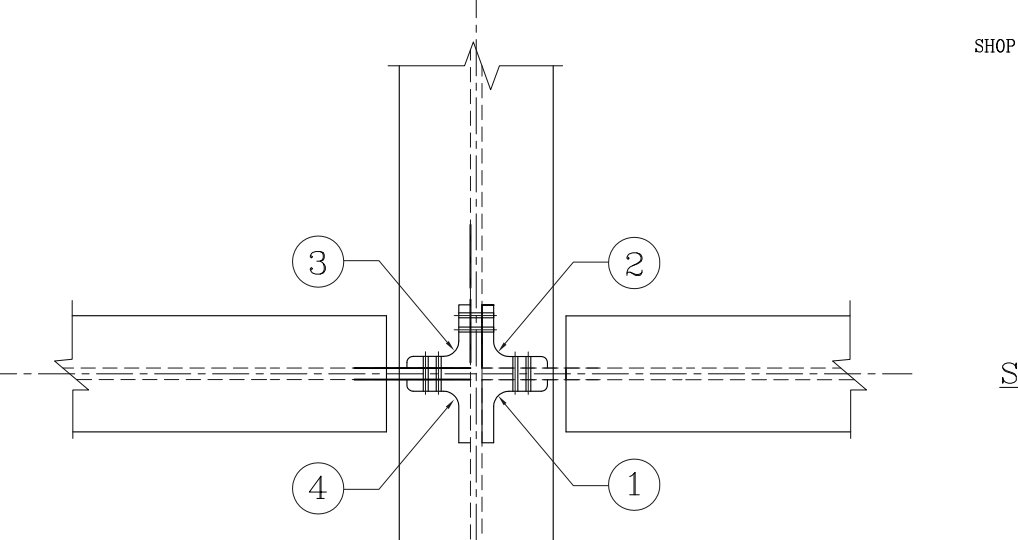
DETAIL AT - 'C'
(SCALE 1:50)



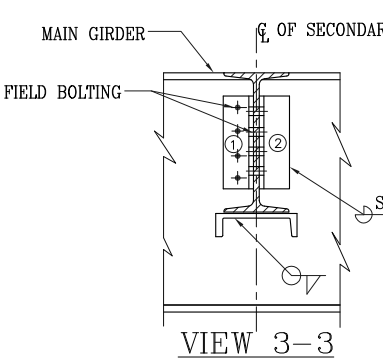
SECTION 1-1
TYP. CONNECTION DETAIL OF
SECONDARY BEAM TO PRIMARY BEAM
(TYP. U.N.O.)



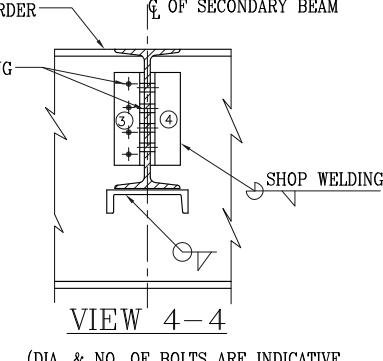
VIEW 2-2
(DIA. & NO. OF BOLTS ARE INDICATIVE. ACTUAL DIA. & NO. OF BOLTS TO BE REFERRED FROM CORRESPONDING FABRICATION DRG.)
(REFER ERECTION SEQUENCE-1)



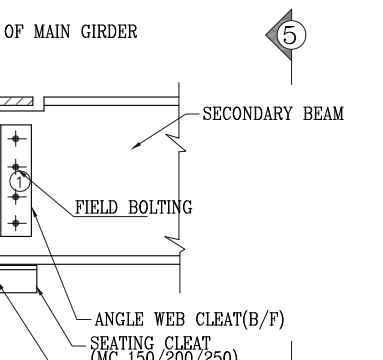
VIEW 2-2
(DIA. & NO. OF BOLTS ARE INDICATIVE. ACTUAL DIA. & NO. OF BOLTS TO BE REFERRED FROM CORRESPONDING FABRICATION DRG.)
(REFER ERECTION SEQUENCE-2)



VIEW 3-3
(DIA. & NO. OF BOLTS ARE INDICATIVE. ACTUAL DIA. & NO. OF BOLTS TO BE REFERRED FROM CORRESPONDING FABRICATION DRG.)
WHEN BOTH THE SECONDARY BEAMS ARE IN SAME LINE OR WHEN THE LEGS OF ANGLE 1 & 4 ARE OVERLAPPING APPRECIABLY
(REFER ERECTION SEQUENCE-2)



VIEW 4-4
(DIA. & NO. OF BOLTS ARE INDICATIVE. ACTUAL DIA. & NO. OF BOLTS TO BE REFERRED FROM CORRESPONDING FABRICATION DRG.)
WHEN BOTH THE SECONDARY BEAMS ARE IN SAME LINE OR WHEN THE LEGS OF ANGLE 1 & 4 ARE OVERLAPPING APPRECIABLY
(REFER ERECTION SEQUENCE-2)



VIEW 5-5
(DIA. & NO. OF BOLTS ARE INDICATIVE. ACTUAL DIA. & NO. OF BOLTS TO BE REFERRED FROM CORRESPONDING FABRICATION DRG.)
(REFER ERECTION SEQUENCE-2)

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)	
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	For
DATE	18/06/2019

S.NO.	MEMBER	WEIGHT (MT)	GRADE
1	26 THK. PLT.	3.20	IS:2062-E350
2	25 THK. PLT.	45.60	IS:2062-E350
3	20 THK. PLT.	47.20	IS:2062-E250
4	16 THK. PLT.	14.60	IS:2062-E250
5	12 THK. PLT.	7.40	IS:2062-E250
6	ISMB 200	0.40	IS:2062-E250
7	ISMB 250	1.00	IS:2062-E250
8	NPB 300	6.20	IS:2062-E250
9	NPB 600	19.40	IS:2062-E250
TOTAL		145.00	

SCHEDULE OF MEMBERS

DESIGNATION	SECTION	SHAPE	REMARKS
B1	NPB 600	I	- BUILT UP GIRDERS SHALL BE PROVIDED WITH 8 TH. WEB STIFF. PL. AS PER IS:800. - ALL SECONDARY BEAMS SHALL HAVE SHEAR CONNECTION.
B2	NPB 300		
B3	ISMB 250		
B4	ISMB 200		
B5	PG- D= 600, FL PL. -300X25 WEB PL. - 550X25	PL GIRDER (PG)	
B6	PG- D= 600, FL PL. -300X 32 WEB PL. - 536 X25		
B7	PG- D= 600, FL PL. -300X20, WEB PL. - 560X16		
B8	PG- D= 300, FL PL. -350X12 WEB PL. - 276X12		
B9	PG- D= 600, FL PL. -300X25 WEB PL. - 550X20		

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS, CO-ORDINATES & LEVELS IN METERS.
- EL(+25.000) CORRESPONDS TO FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING WHICH CORRESPONDS TO RL 375.50M. ABOVE MSL. FTL OF BOILER AREA IS EL (-)0.200 M. CORRESPONDING TO RL 375.30M.
- FOR ALL OTHER NOTES REFER GENERAL NOTES FOR STRUCTURAL STEEL WORKS DRG. NO. PE-DG-434-600-C002-R1 (NTPC NO. 9585-001-315-PVC-C-0089A-01)
- CONNECTION DETAILS SHOWN ARE INDICATIVE ONLY. SIZE & THICKNESS OF GUSSETS, END. & DIA. OF CONNECTION BOLTS, WELD SIZE ETC. SHALL BE SHOWN IN CORRESPONDING FABRICATION DRG.
- SPRINKLING, WELDS AND END CONNECTIONS SHALL BE AS PER SPECIFICATIONS.

ERECTION SEQUENCE-1

- ONE LEG OF ANGLE 2/4 SHALL BE WELDED WITH MAIN BEAM AT SHOP.
- HOLES FOR BOLT SHALL BE DRILLED AT SHOP IN OTHER OUTSTANDING LEG OF ANGLE 2/4 AS PER FABRICATION DRAWING.
- ANGLE 1/3 WILL HAVE HOLES DRILLED IN BOTH LEGS AT SHOP AS PER FABRICATION DRAWING AND SHALL BE SHIPPED LOOSE TO SITE.
- AFTER PLACING SECONDARY BEAM IN POSITION WITH CRANE, BOTH ANGLE 1 & 2 SHALL BE BOLTED TO SECONDARY BEAM.
- AFTER PLACING SECONDARY BEAM IN POSITION WITH CRANE, BOTH ANGLE 3 & 4 SHALL BE BOLTED TO SECONDARY BEAM.
- OUTSTANDING LEG OF ANGLE 1/3 SHALL BE BOLTED TO MAIN BEAM.
- PLEASE ENSURE THAT WHEN 'U' IS LESS THAN 500MM, SHEAR CLEAT ANGLES 3 & 4 SHALL NECESSARILY BE CONNECTED ON THE NEAR SIDE WEB FACES OF BOTH SECONDARY BEAMS.

ERECTION SEQUENCE-2

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

ENGINEERING DRGS.

- PE-DG-434-100-M001 - PLOT PLAN (R1)
(9585-001-999-P02-F-001)
- PE-DG-434-100-M002 - MAIN EQUIPMENT PLANT LAYOUT(R0).
(9585-001-999-P04-F-001)
- 0-00-600-11092 - BUNKER TO FEEDER ARRANGEMENT(R1)
(9585-001-102-PVM-B-058)

CIVIL DRGS.

- PE-DG-434-616-C004-R0 - BUNKER'S BAY - R.C.C. DETAILS OF FEEDER FLOOR
(9585-001-315-PVC-C-0281B)
- PE-DG-434-600-C002-R1 - GENERAL NOTES FOR STRUCTURAL STEEL WORKS
(9585-001-315-PVC-C-0089A)

LEGEND

BOS - BOTTOM OF STEEL	LVL - LEVEL
C/C - CENTRE TO CENTRE	TOS - TOP OF STEEL
CL - CENTER LINE	TYP - TYPICAL
EL - ELEVATION	UNO - UNLESS NOTED OTHERWISE

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 PUNJ/NTPC IN THIS REGARD.

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)	
THIS DRAWING MARKED(✓) IS RELEASED FOR	
<input checked="" type="checkbox"/> COMMENTS/ APPROVAL	<input type="checkbox"/> FABRICATION
<input type="checkbox"/> PLANNING	<input type="checkbox"/> INFORMATION
<input type="checkbox"/> CONSTRUCTION	<input type="checkbox"/> AS BUILT DRAWING
STAMP ALL PREVIOUS REVISION AS SUPERSEDED	
ISSUED BY	
NAME	ABHAY KUMAR
SIGNATURE	-Sd-
DATE	08/05/2019

NTPC. DRAWING NO. - 9585-001-315-PVC-C-0281A
CUSTOMER
PATRATU VIDYUT UTPADAN NIGAM LIMITED
(A SUBSIDIARY OF NTPC LTD)

3x800MW PATRATU SUPER THERMAL POWER PROJECT

JOB NO.	434	STATUS	DISTRIBUTION	DEPT.	NAME	SIGN	DATE
Bharat Heavy Electricals Ltd POWER SECTOR PROJECT ENGINEERING MANAGEMENT Noida							

TITLE		BUNKER BAY	
FRAMING PLAN OF FEEDER FLOOR (SECONDARY BEAMS)		DRAWING NO.	
PE-DG-434-616-C001		SHEET	
OF		1	
REV.		0	

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD