

BHEL to ensure and confirm that load details and foundation details of HVAC equipments and floor openings shall be as per finalized Mechanical drawings.

Air condition drawings has not been submitted by BHEL, till date. Hence space for Air cooled chiller and its associated equipments for ESP Control Building has to be ensured and confirmed first.

PLAN AT EL(+8.250M. (T.O.S.)

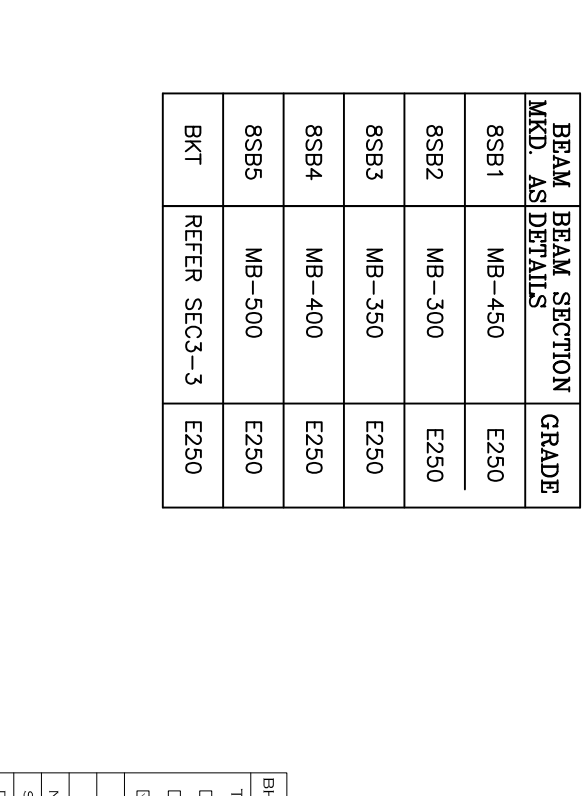
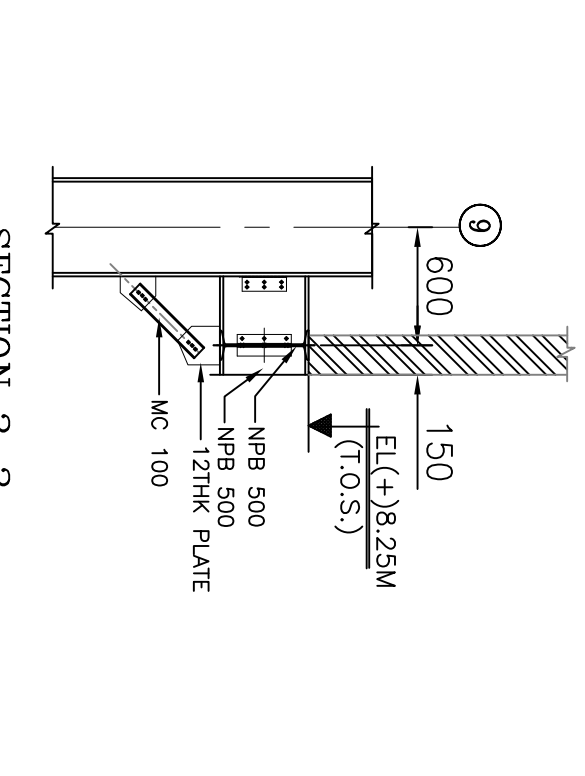
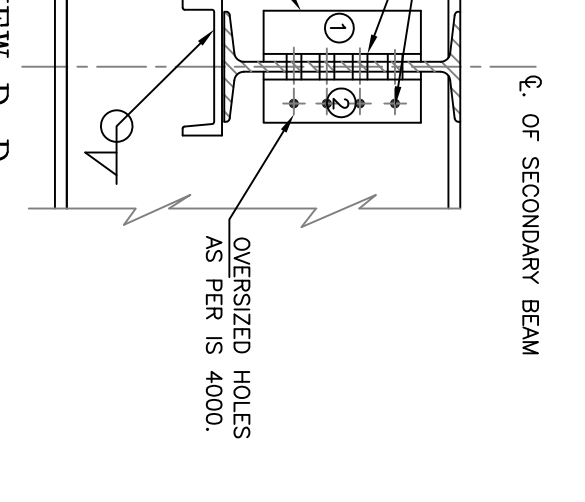
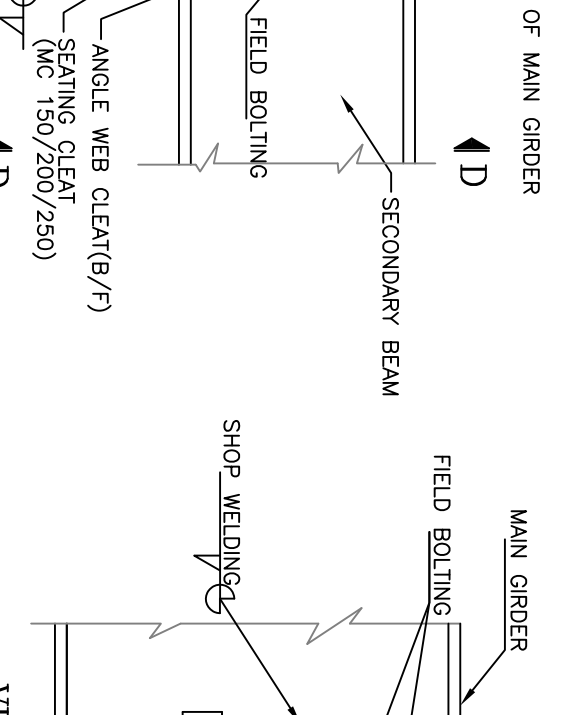
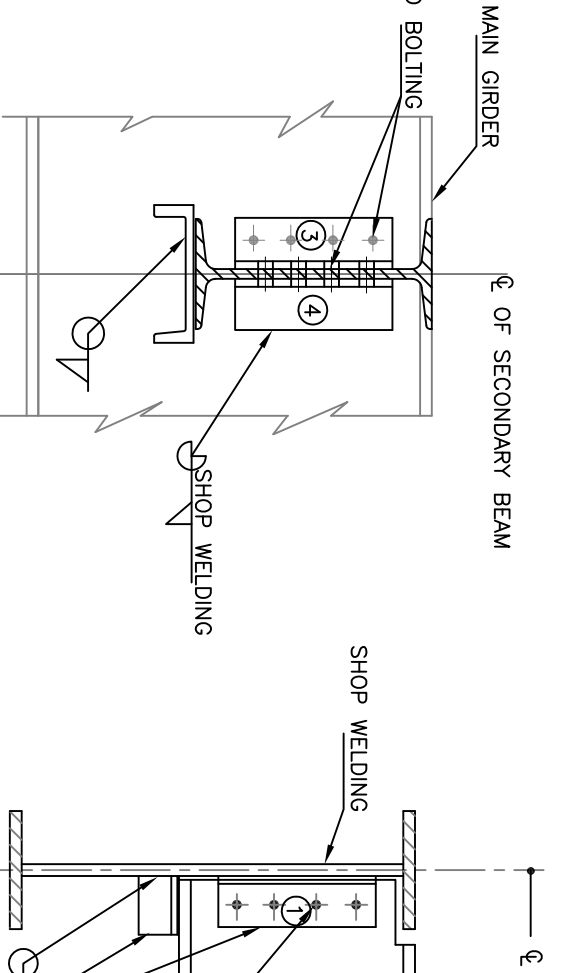
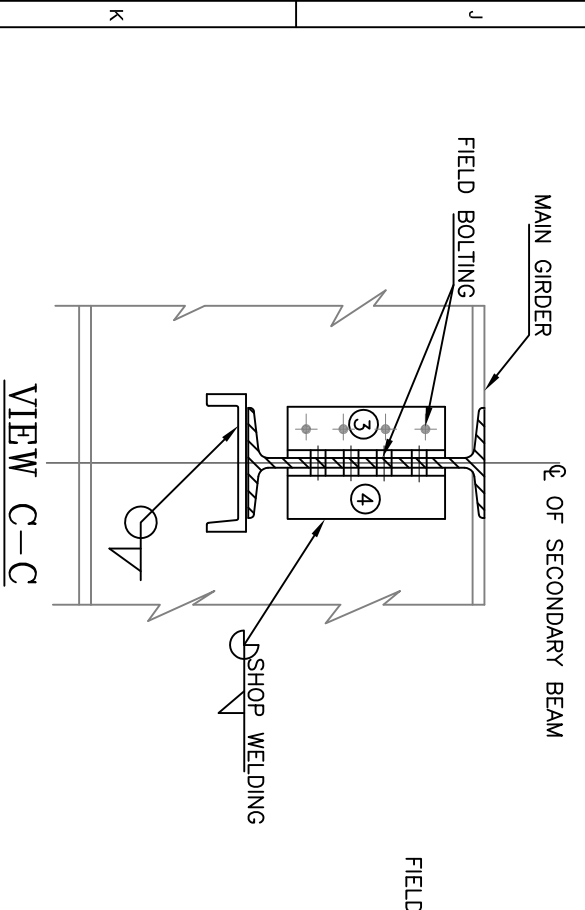
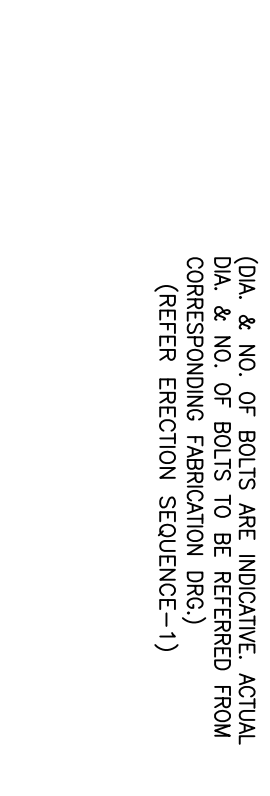
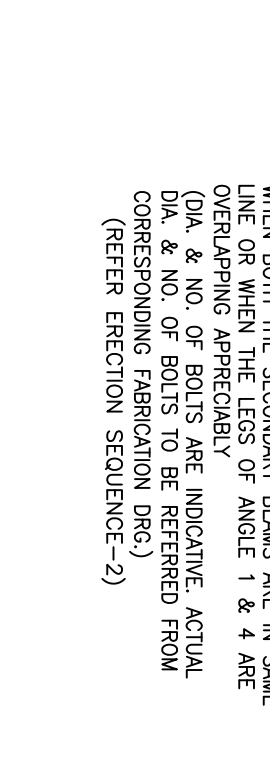
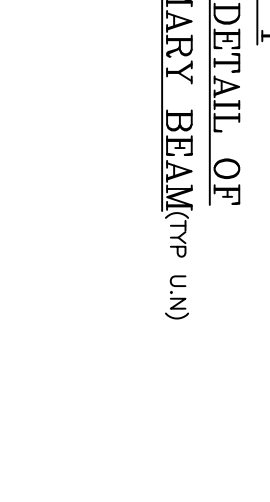
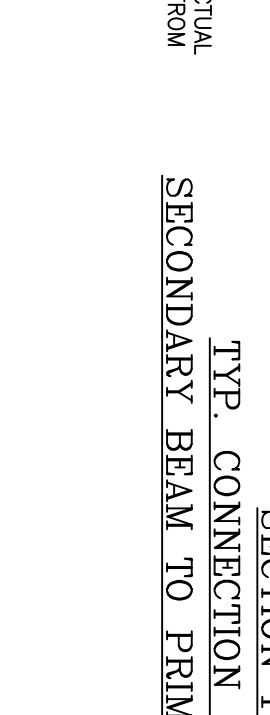
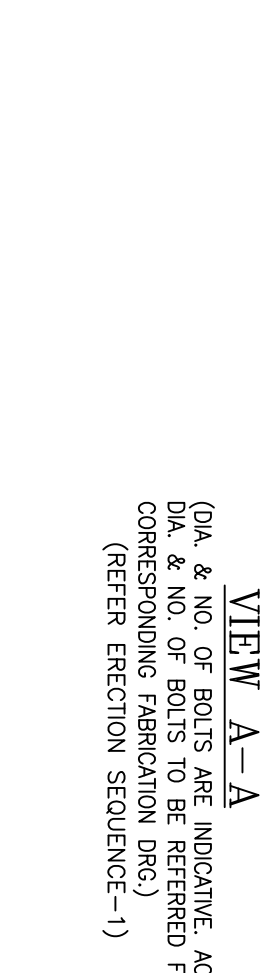
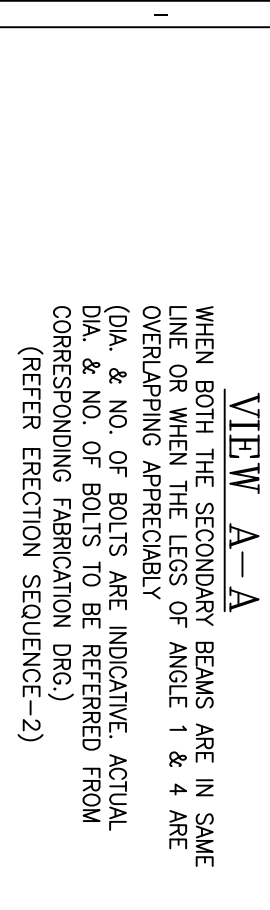
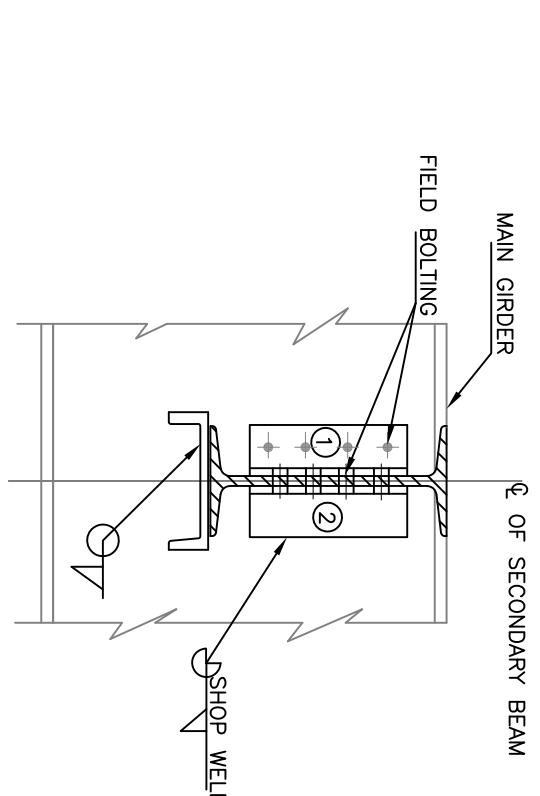
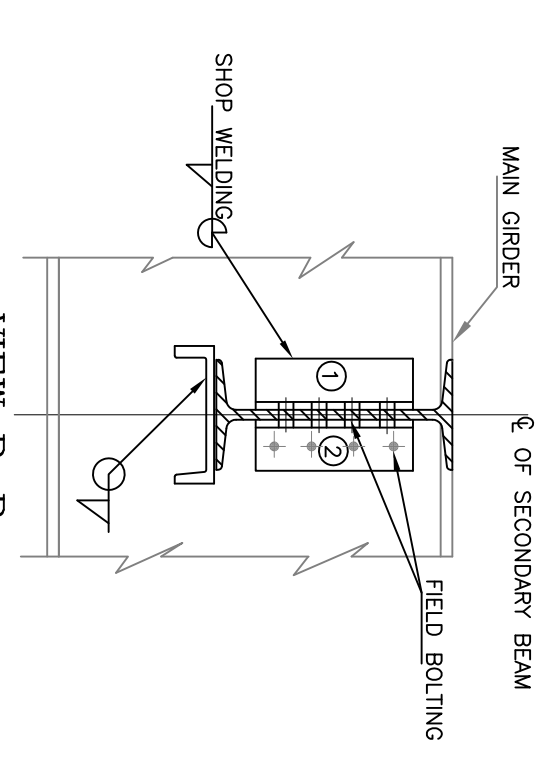
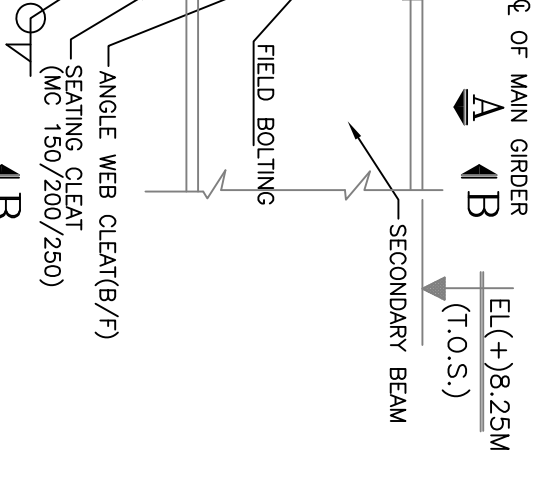
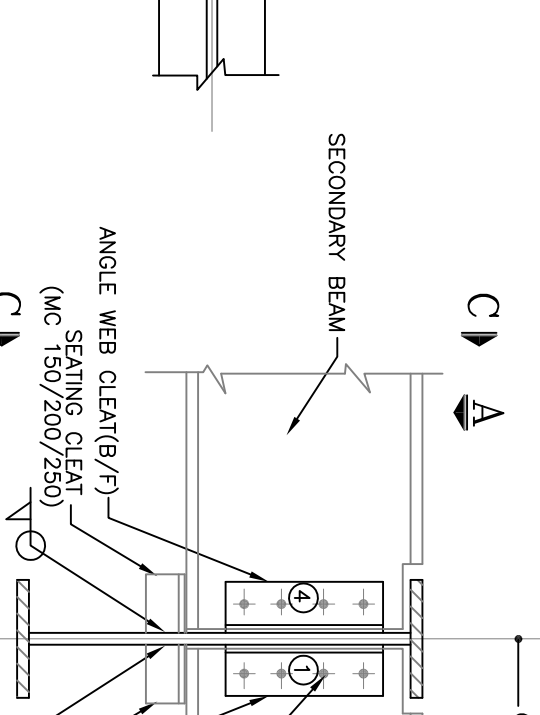
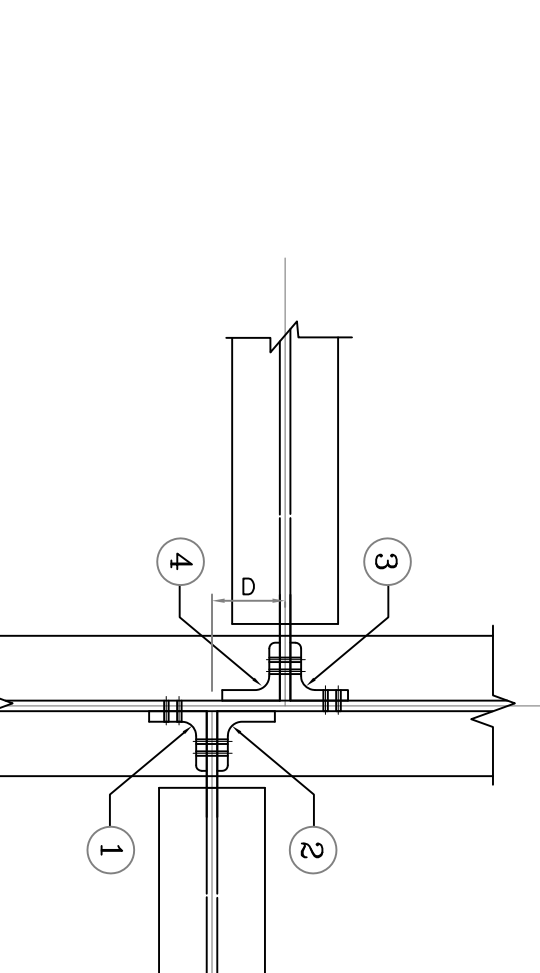
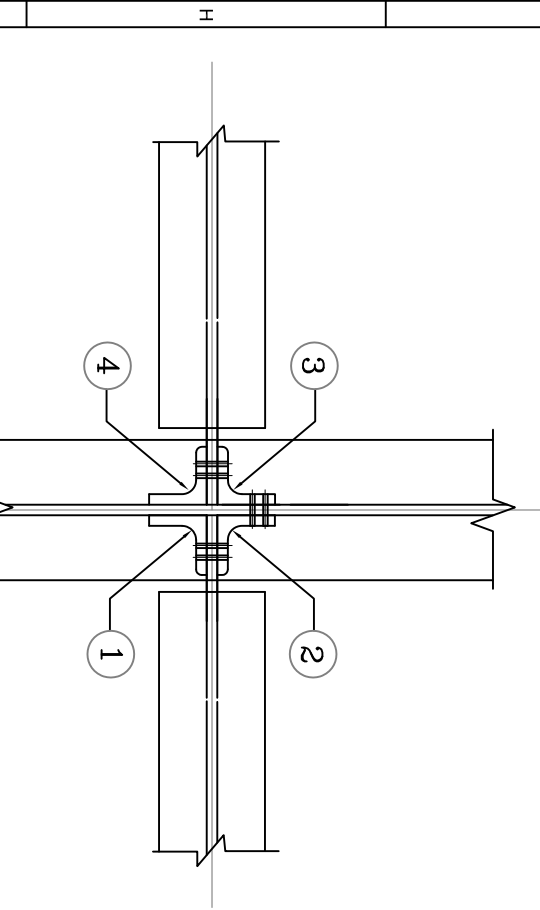
UNIT-2

FOR * MARKED BEAM REFER DRG NO.9585-001-315-PVC-C-1124

FOR ** MARKED BEAM REFER DRG NO.9585-001-315-PVC-C-1123

VERTICAL & HORIZONTAL BEAMING ON BOTH COLUMN FLANGES

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



NOTE:-

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 METERS 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.
4. CHECK ALL DIMENSIONS, CO-ORDINATES & ELEVATIONS IMMEDIATELY. REPORT ANY DISCREPANCIES, CONFLICTS OR ERROR FOR CLARIFICATION PRIOR TO COMMENCING WORK.
5. CONNECTION DETAILS SHOWN ARE INDICATIVE ONLY. SIZE & THICKNESS OF STIFFENERS, NO. & DIA. OF CONNECTION BOLTS ETC. SHALL BE DESIGNED & DETAILD BY FABRICATOR AND SHALL BE SHOWN IN CORRESPONDING FABRICATION DRG. AND SAME TO BE SENT TO DESIGNER FOR APPROVAL BEFORE FABRICATION AND ERECTION.
6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH GENERAL NOTES FOR STRUCTURAL STEEL WORKS PE-DG-434-600-C004 (9585-001-315-PVC-C-0099A).

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 BEAM IN POSITION WITH CRANE, BOTH ANGLE 1 & 2 SHALL BE BOLTED TO SECONDARY BEAM
5. AFTER PLACING SECONDARY BEAM IN POSITION WITH CRANE, BOTH ANGLE 3 & 4 SHALL BE BOLTED TO SECONDARY BEAM
6. OUTSTANDING LEG OF ANGLE 1/3 SHALL BE BOLTED TO MAIN BEAM.
7. PLEASE ENSURE THAT WHEN 'D' IS LESS THAN 50MM, SHEAR CLEAR ANGLE 2 & 4 SHALL NECESSARILY BE CONNECTED ON THE NEAR SIDE WEB FACES OF BOTH SECONDARY BEAMS.

ERECTION 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 LOOSE 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-DG-434-619-000-ESP CONTROL BUILDING--GA & RC DETAIL OF FOUNDATION, PESTICIDE & PLANTING BEAM(UNIT-1 & 2) (9585-001-315-PVC-C-1122)
2. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1 & 3-LAYOUT AND DETAILS OF BASE PLATE. (9585-001-315-PVC-C-1122)
3. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1 & 3-STRUCTURAL FRAMING UNIT-1&3 (9585-001-315-PVC-C-1123)
4. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)
5. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1137)
6. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1139)
7. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)
8. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)

ARCHITECTURAL DRAWING

1. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1137)

2. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL PLANS (9585-001-315-PVC-C-1139)

3. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)

4. PE-DG-434-619-000-ESP CONTROL BUILDING-UNIT 1,2& 3-ARCHITECTURAL ELEVATIONS (9585-001-315-PVC-C-1139)

LEGEND:

1. TOS = TOP OF STEEL

2. BOS = BOTTOM OF STEEL

3. TYP = TYPICAL

4. UNO = UNLESS NOTED OTHERWISE

5. B/S = BOTH SIDE

6. THK = THICK

7. F.L.T. = FLAT

BUILD OF MATERIALS (FOR UNIT-2)

SL.NO.	TYPE	QTY.	WT.	REMARK
1	MB-450	2.025	WT.	E250
2	MB-450	49.70	WT.	E250
3	MB-450	5.02	WT.	E250
4	MB-350	0.75	WT.	E250
5	MB-300	0.65	WT.	E250
TOTAL=		58.145	WT.	

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