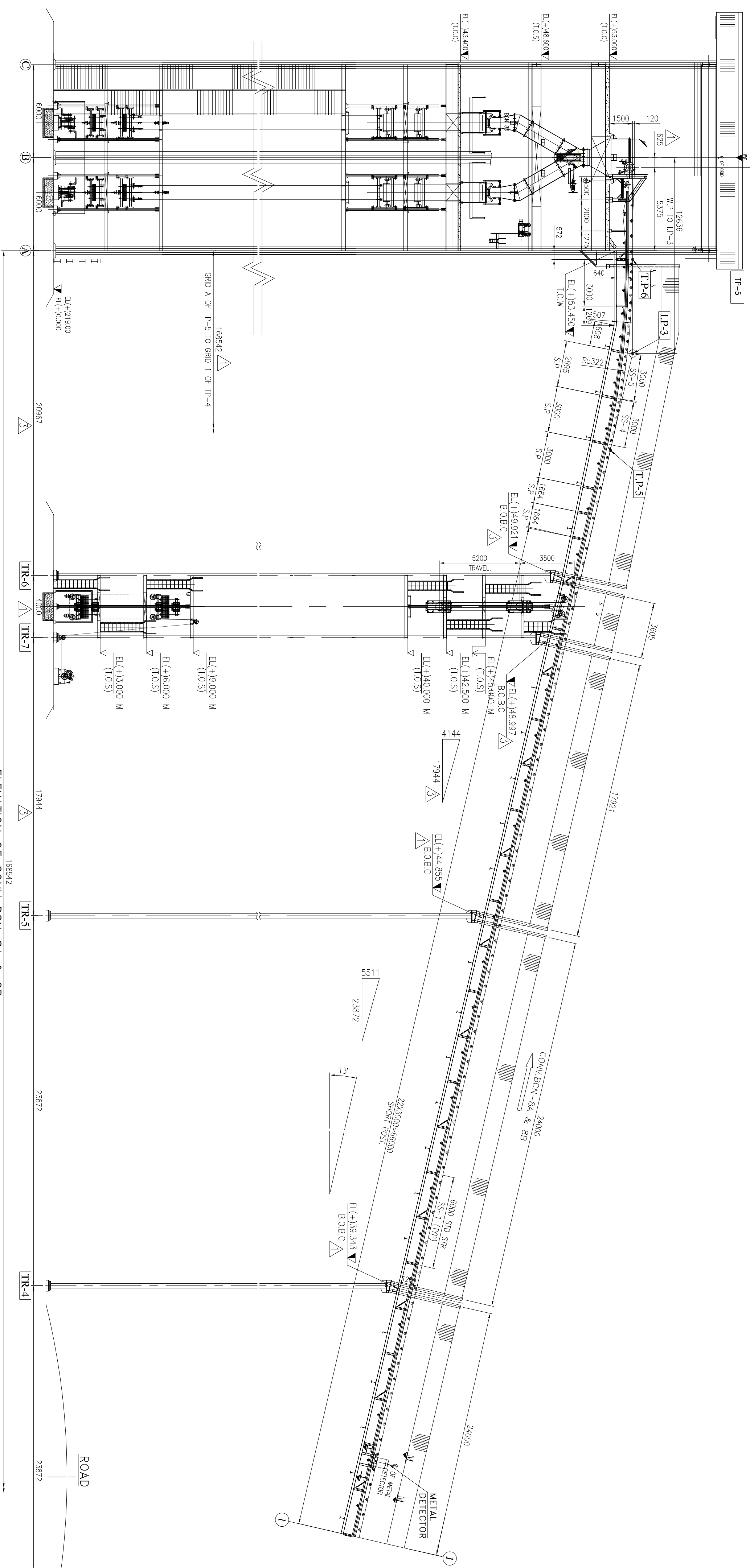
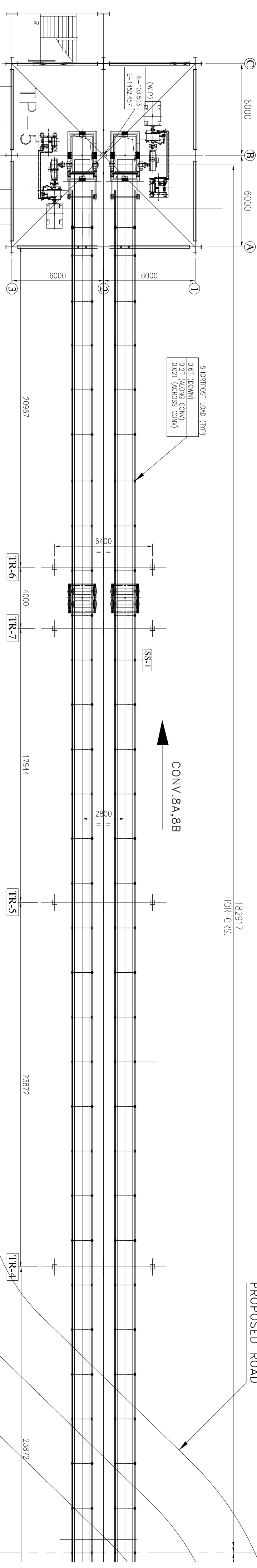


CUSTOMER : NTPC SAIL Power Supply Company Pvt. Ltd.				
PROJECT : 1X250 MW Rourkela Power Project PP-II				
Sl. No.	Comments zone	MECON/NSPCL comments	BHEL Compliance/Clarifications Dtd.	Remarks
Comments marked on the attached Drg.				
Document Title : GA & LOAD DATA OF CONV 8AB				
Document Number :IS-1-GA-708-101-M016, REV-03				
1	ELEVATION SHEET-1	Minimum top of belt shall be at 1200mm	The clearance of return side from the TOW is 640mm against a minimum contractual requirement of 500mm.Hence the geometry is OK	
2	ELEVATION SHEET-1	TOW shall be EL(+53.3m instead of 53.45m	TOW of EL(+) 53.45m is technically OK.	
3	ELEVATION SHEET-1	All reference floor levels to be indicated	Incorporated	
4	TECHNICAL SPECIFICATION, SHEET-1	Pulley details to be indicated	Incorporated	
5	TECHNICAL SPECIFICATION, SHEET-1	Idler details to be indicated	Incorporated	
6	TECHNICAL SPECIFICATION, SHEET-1	Pull chord switch shall be addressable type	Type, technical details and other parameters shall be mentioned in the respective instrument GA drawings. Relevant details for erection like spacing, location in the profile etc are already marked	
7	TECHNICAL SPECIFICATION, SHEET-1	Scraper material shall be indicated	Incoporated inline with the DBR. Other details shall be shown scrapper GA drawings	
8	IDLER PROFILE/ELEVATION (SHEET-2)	Minimum distance between the belt weigher and TP shall be 5m	Complied	
9	ELEVATION SHEET-1	Cat ladder to be provided for VGTU tower	Provided	
10	ELEVATION SHEET-1	Lifting beam to be provided for take up pulley	2T EH with monorail beam provided for take up pulley. Refer sheet 4	
11	TAKE UP PLATFORM EL(+9.000m PLAN, Sheet 4	Load to be changed to 12T	Incoporated inline with the DBR. Other details shall be shown scrapper GA drawings	
12	NOTE	B.O.B.C is indicated in the drawing and this is same as TOW. The same terminology and values are used in the structural GA of 8AB (dwg no- IS-1-GA-708-101-C133)		



ELEVATION OF CONV BCN-8A & 8B



P L A N

PROJECT :

ROURKELA PP-II EXPANSION
PROJECT (IX250 MW)

OWNER:
NTPC-SAIL POWER COMPANY PVT. LTD.

CONSULTANT
MECON LIMITED
भारत भारती
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

DRG. NO.	DESCRIPTION
IS-0-PL-708-100-M001	COAL FLOW DIAGRAM
IS-1-PL-708-100-M002	LAYOUT OF COAL HANDLING PLANT
IS-1-CA-708-100-M003	TYPICAL GALLERY CROSS-SECTIONS OF GALLERIES
IS-1-CA-708-104-M025	MECHANICAL GA & LOAD DATA OF TP-4
IS-1-CA-708-104-M026	MECHANICAL GA & LOAD DATA OF TP-5

- NOTES:-
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
 - FOR UTILITIES REFER SEPARATE DRAWING.
 - FOR THE HEAD END & DRIVE LOADS REFER THE GA & LOAD DATA OF TP-5. FOR TAIL END LOADS REFER THE GA & LOAD DATA OF TP-4.
 - ALL RETURNING PARTS SHALL BE COVERED WITH STAINLESS STEEL.
 - REQUIREMENT OF BRACE SHALL BE DECIDED BASED ON THE DESIGN LOADS.
 - THE BELT SPEED INDICATED IS THE NOMINAL SPEED & ACTUAL SPEED SHALL BE MAINTAINED $\pm 5\%$ OF NOMINAL.
 - WALKWAY SHALL BE PROVIDED WITH CHECKERED PLATE STEP FOR GAL.
 - SLOPE MORE THAN 10 DEG.

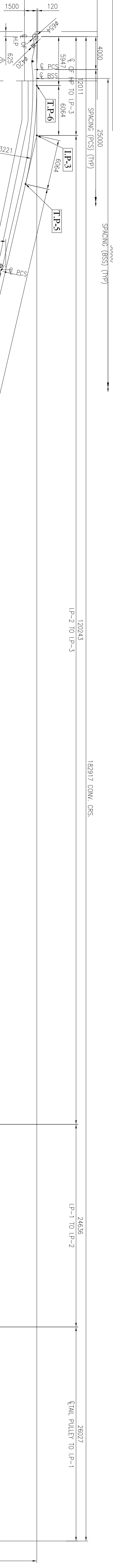
- NOTES:-
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
 - FOR UTILITIES REFER SEPARATE DRAWING.
 - FOR THE HEAD END & DRIVE LOADS REFER THE GA & LOAD DATA OF TP-5. FOR TAIL END LOADS REFER THE GA & LOAD DATA OF TP-4.
 - ALL RETURNING PARTS SHALL BE COVERED WITH STAINLESS STEEL.
 - REQUIREMENT OF BRACE SHALL BE DECIDED BASED ON THE DESIGN LOADS.
 - THE BELT SPEED INDICATED IS THE NOMINAL SPEED & ACTUAL SPEED SHALL BE MAINTAINED $\pm 5\%$ OF NOMINAL.
 - WALKWAY SHALL BE PROVIDED WITH CHECKERED PLATE STEP FOR GAL.
 - SLOPE MORE THAN 10 DEG.

TECHNICAL SPECIFICATION		QTY FOR EACH	MAKE
CONVEYOR NO./EQUIPMENT NO.		BCN-8A & 8B	-
RATED CAPACITY/DESIGN CAPACITY (TP/H)		600/720	-
BELT WIDTH (MM)/THROUGHING ANGLE		1000/35°	-
VERTICAL LIFT (M)		35.300	-
HORIZONTAL CRS. (M)		182317 M	-
PROFILE LENGTH (MM)		186.581 M	-
ENDLESS BELT LENGTH (MM)		390 M	-
SPEED (M/SEC./NOMINAL)		3.2	-
MATERIAL		COAL	-
BULK DENSITY FOR CONVEYOR SIZING (TON/CLM)		0.8	-
FOR STRUCTURAL DESIGN (TON/CLM)		1.1	-
LUMP SIZE (MM)		(-)-20	-
MOISTURE CONTENT		15%	-
MATERIAL TEMP.		AMBIENT (MAX. 50°)	-
BELT IS:1891		N/A	-
TYPE		N/A	-
RATING		1000/4	-
TOP COVER THICKNESS (MM)		3	-
BOTTOM COVER THICKNESS (MM)		6	-
BELT TENSION (kN)		11-228125-330171-88.66M, 75-15M, 13-25.81M, 14-25.81M, 15-51.70M, 16-45.39M	-
TYPE OF JOINT		VULCANIZED	-
MOTOR		TEFC, IE2, IP55	1 No.
POWER RATING(KW)/RPM/FRAME SIZE		170	-
SUPPLY VOLTAGE / DUTY		6.6 KV,3PHASE,50HZ,51	-
TYPE		BEVEL HELICAL	1 No.
MODEL NO.		CXB-315	-
HOLD BACK		YES	-
RATIO		16:0:1	-
MECHANICAL/THERMAL RATING KW		2768W/ATDWM	-
BRAKE		AS PER DESIGN SPEC. DATA	-
TYPE/TYPE/SC-9		SC00P TYPE/SC-9	1 No.
COUPLING		205	-
LOW SPEED		GEARED COUPLING/FGC-9	1 No.
RATING KW/100 rpm		644	-
TYPE		VGTU	-
TAKE UP		5200	-
TRAVEL (MM)		5200	-
COUNTER WEIGHT (IN KG)		6500	-
DRIVE		6500	-
TAIL		6500	-
TAKE-UP		6500	-
BEND		6500	-
SNUG		6500	-
DRIVE PULLEY		6500	-
LAGGING THK/MM		6500	-
DIAMETER MM/NOS.		6500	-
PULLEYS (IS:8531)		6500	-
IDLERS (IS:8598),		6500	-
CARRYING		6500	-
RETURN		6500	-
DEFLECTOR ROLLER		6500	-
BELT CHANGING ROLLER		6500	-
INTERNAL SCRAPPER TYPE		6500	-
EXTERNAL SCRAPPER TYPE		6500	-
SMOOTH BOARD		6500	-
DECK PLATE		6500	-
HEAD FRAME TAIL FRAME & DRIVE BASE FRAME		6500	-
BEND FRAME		6500	-
SHORT SUPPORT		6500	-
DISCHARGE CHUTE		6500	-
SEAL PLATE		6500	-
PULL CORD SWITCH /LOCATION		6500	-
BELT SWAY SWITCH/LOCATION		6500	-
ZERO SPEED SWITCH/LOCATION		6500	-
SAFETY SWITCHES		6500	-

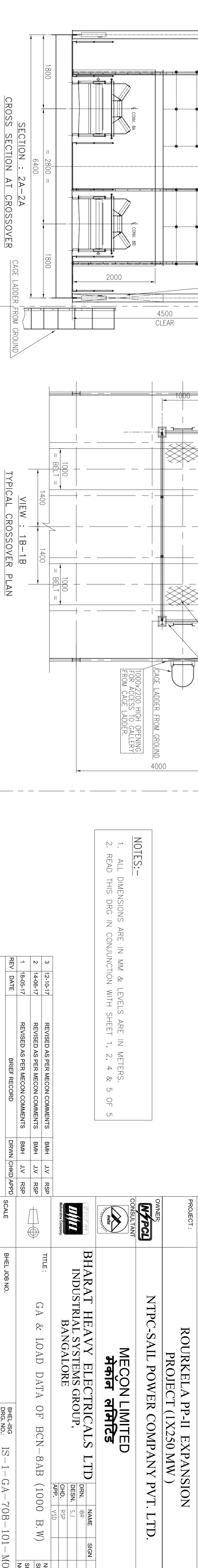
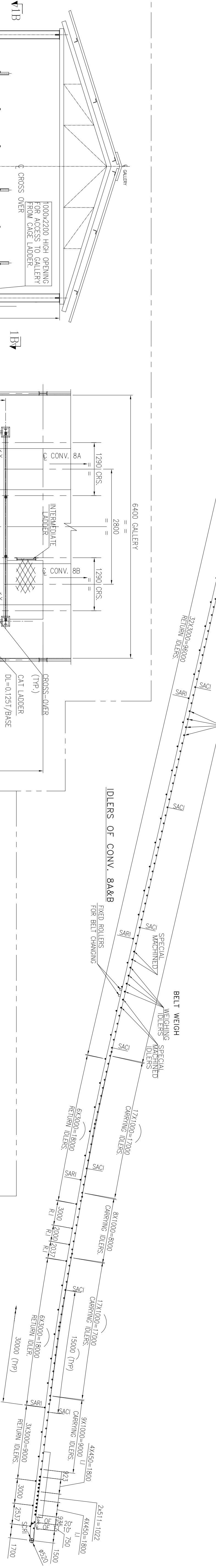
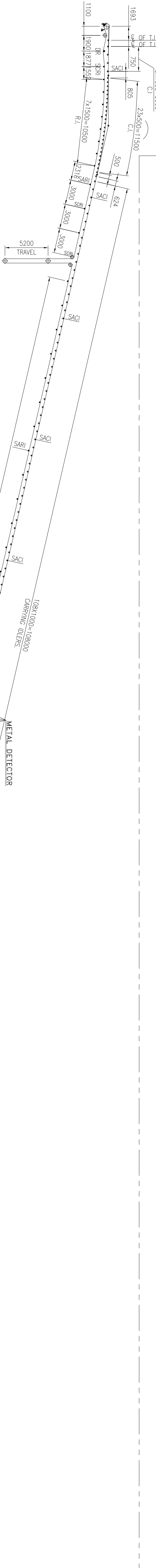
REV	DATE	REVISION	BY	CHKD	APPD
1	18-05-17	REVISED AS PER MECON COMMENTS	BHM	JUV	RSP
2	14-06-17	REVISED AS PER MECON COMMENTS	BHM	JUV	RSP
3	12-10-17	REVISED AS PER MECON COMMENTS	BHM	JUV	RSP

TITLE :	GA & LOAD DATA OF BCN-8AB (1000 B.W)
SCALE	BHEL JOB NO. IS-1-CA-708-101-M016
SCALE	DRG. NO. 1
SCALE	NO. 3

NAME	SIGN	DATE
DRGN. SJ		20-11-17
CHKD. RSP		30-11-17
APPR. VSR		30-11-17
NO. OF SHEETS	5	
SHEET	1	
REV	1	



TR-3B TR-3A
SWITCHES OF CONV. 8A&B



NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1, 2, 4 & 5 OF 5

REV	DATE	REVISION	BY	CHKD	APPD
3	12-10-17	REVISED AS PER MECO COMMENTS	BHM	JYV	RSP
2	14-06-17	REVISED AS PER MECO COMMENTS	BHM	JYV	RSP
1	18-05-17	REVISED AS PER MECO COMMENTS	BHM	JYV	RSP
REV	DATE	BRIEF RECORD	DRWN	CHKD	APPD

SCALE	BHEL JOB NO.	DRG NO.	IS-1-GA-708-101-M016
1:1			

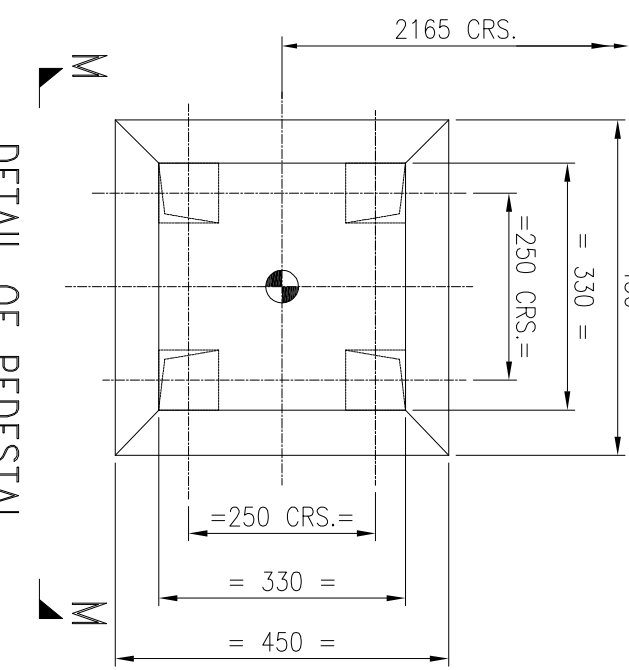
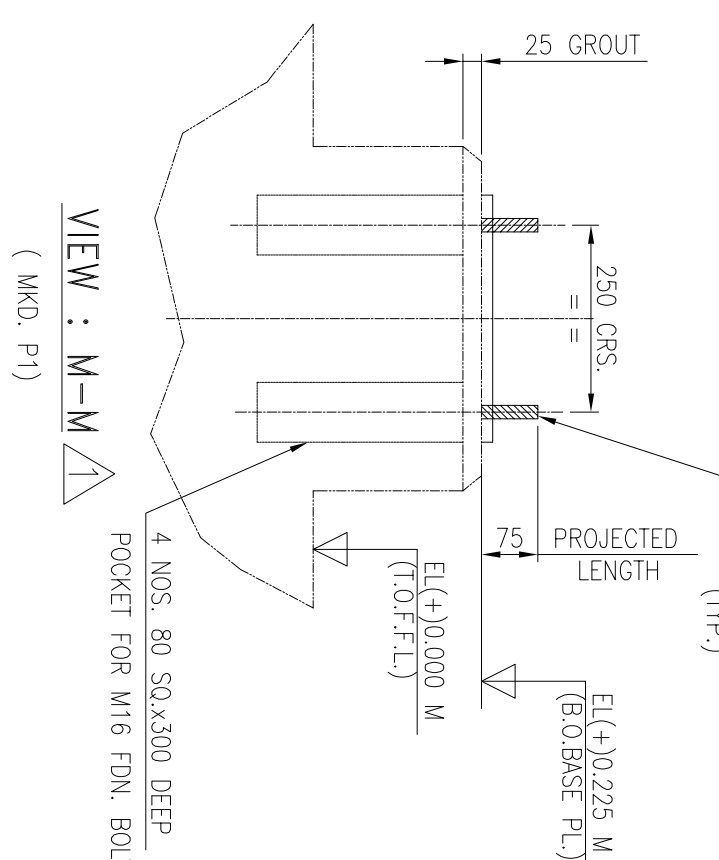
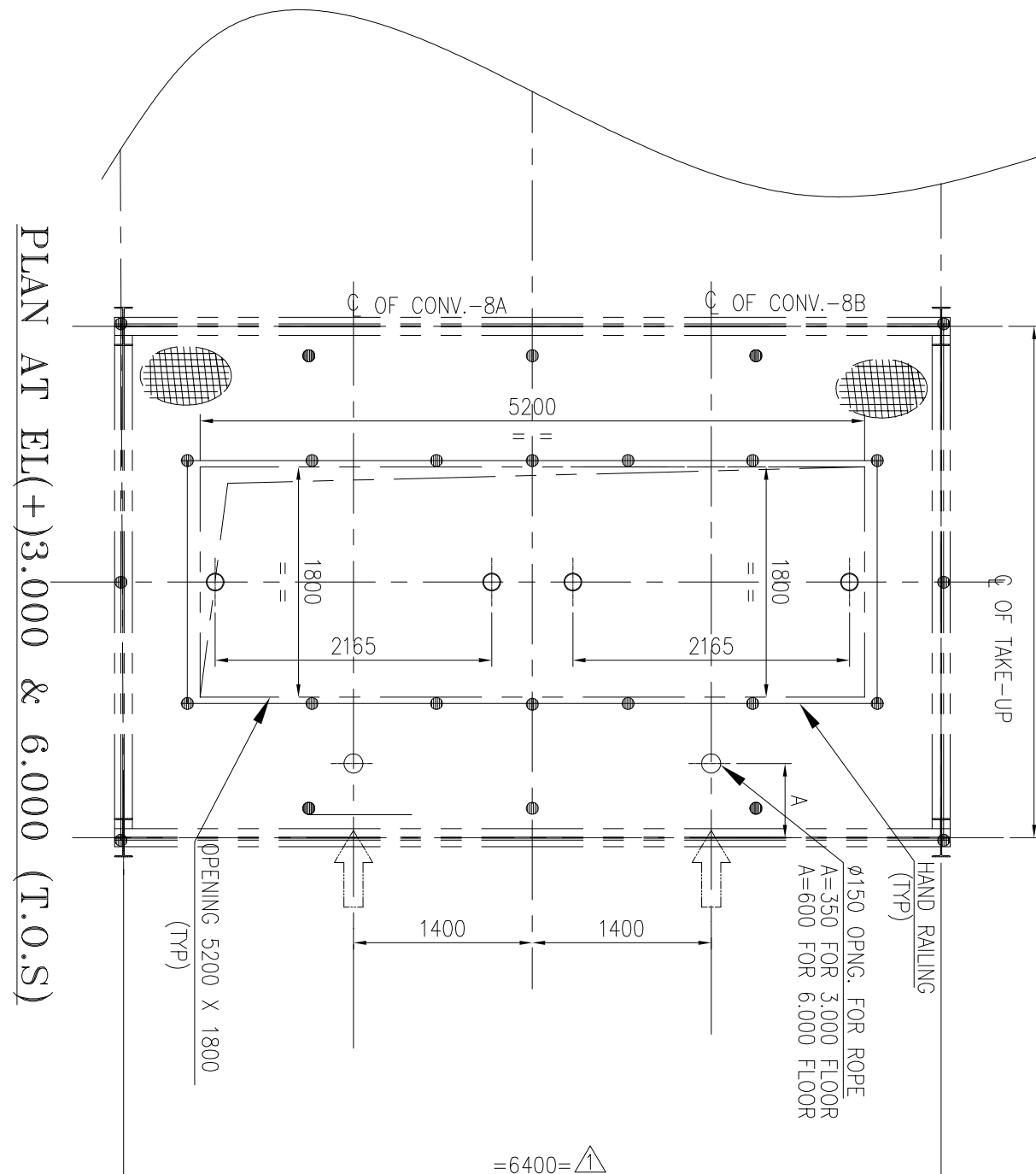
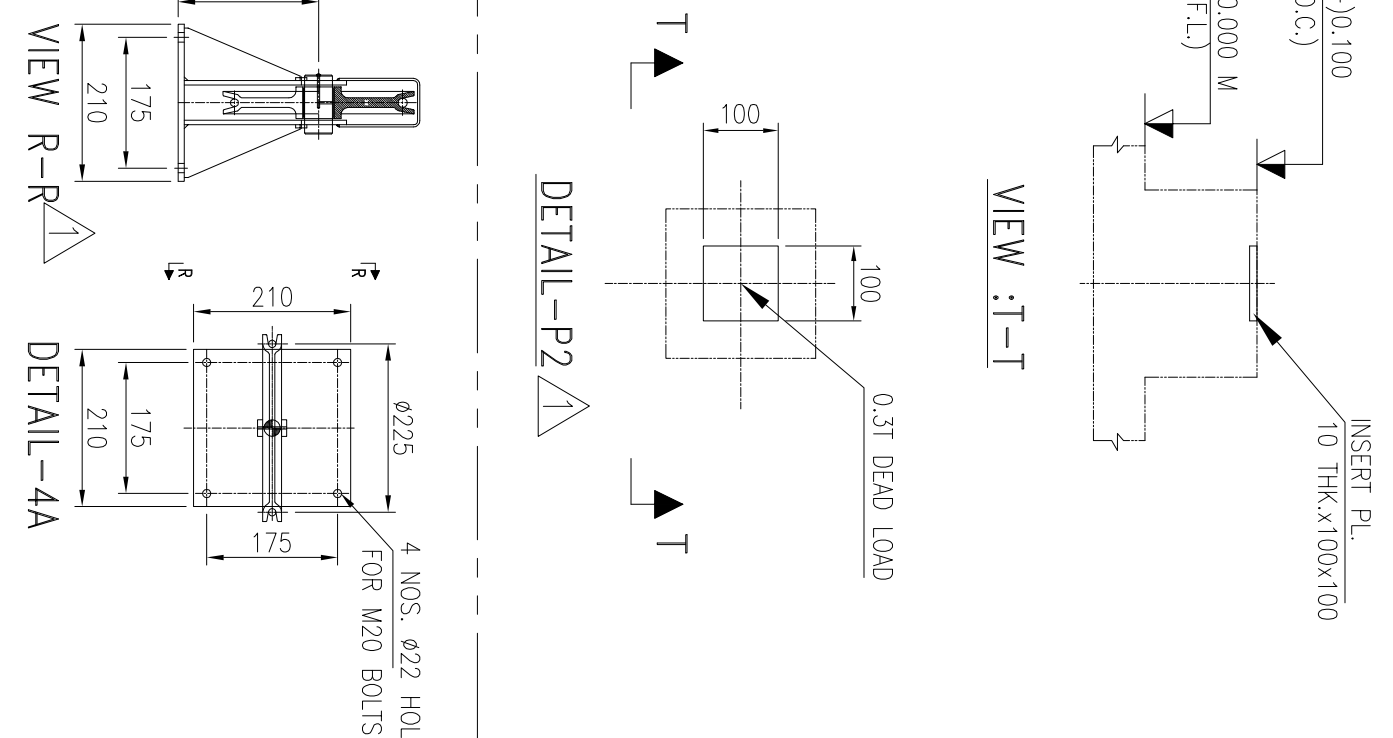
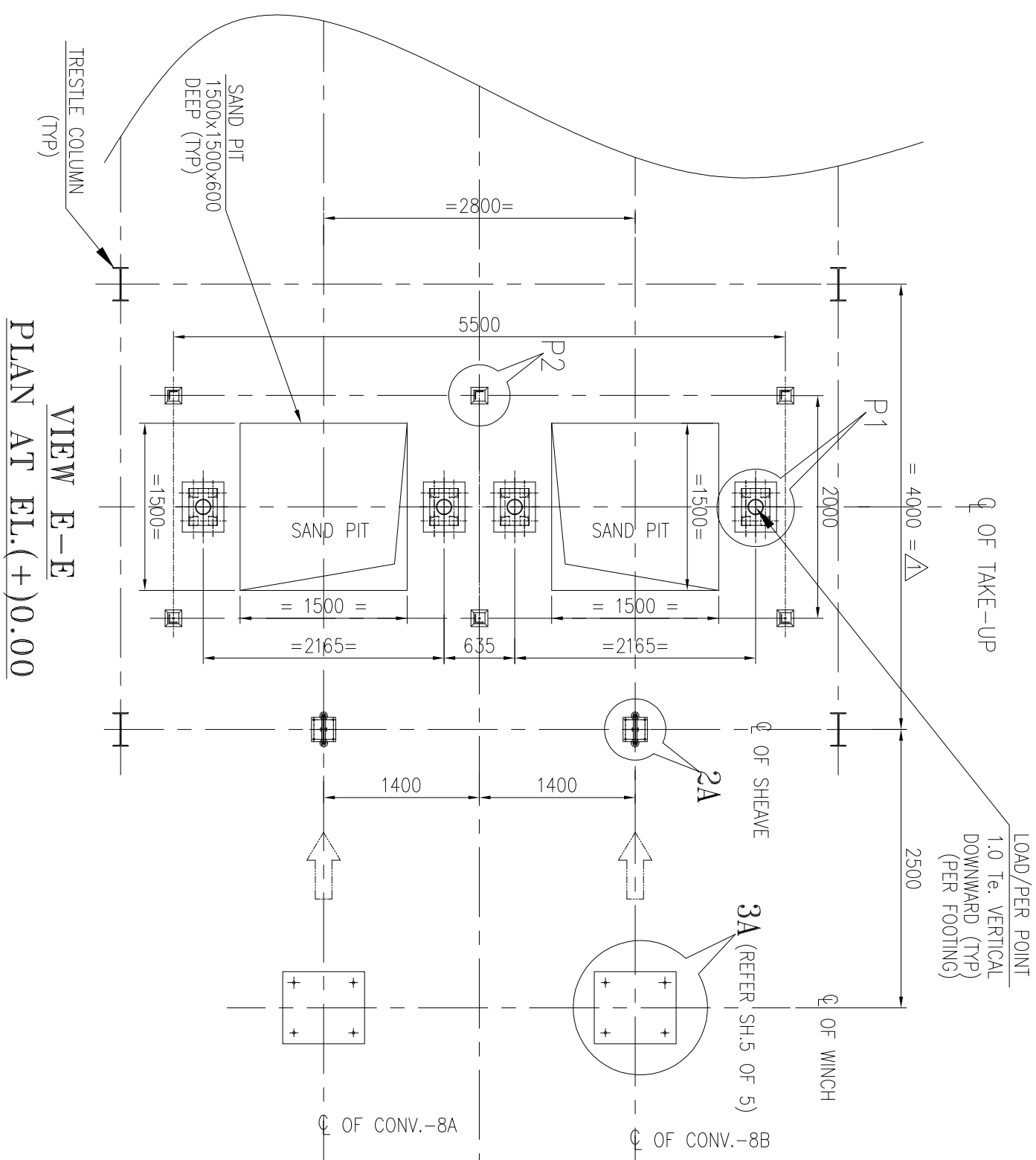
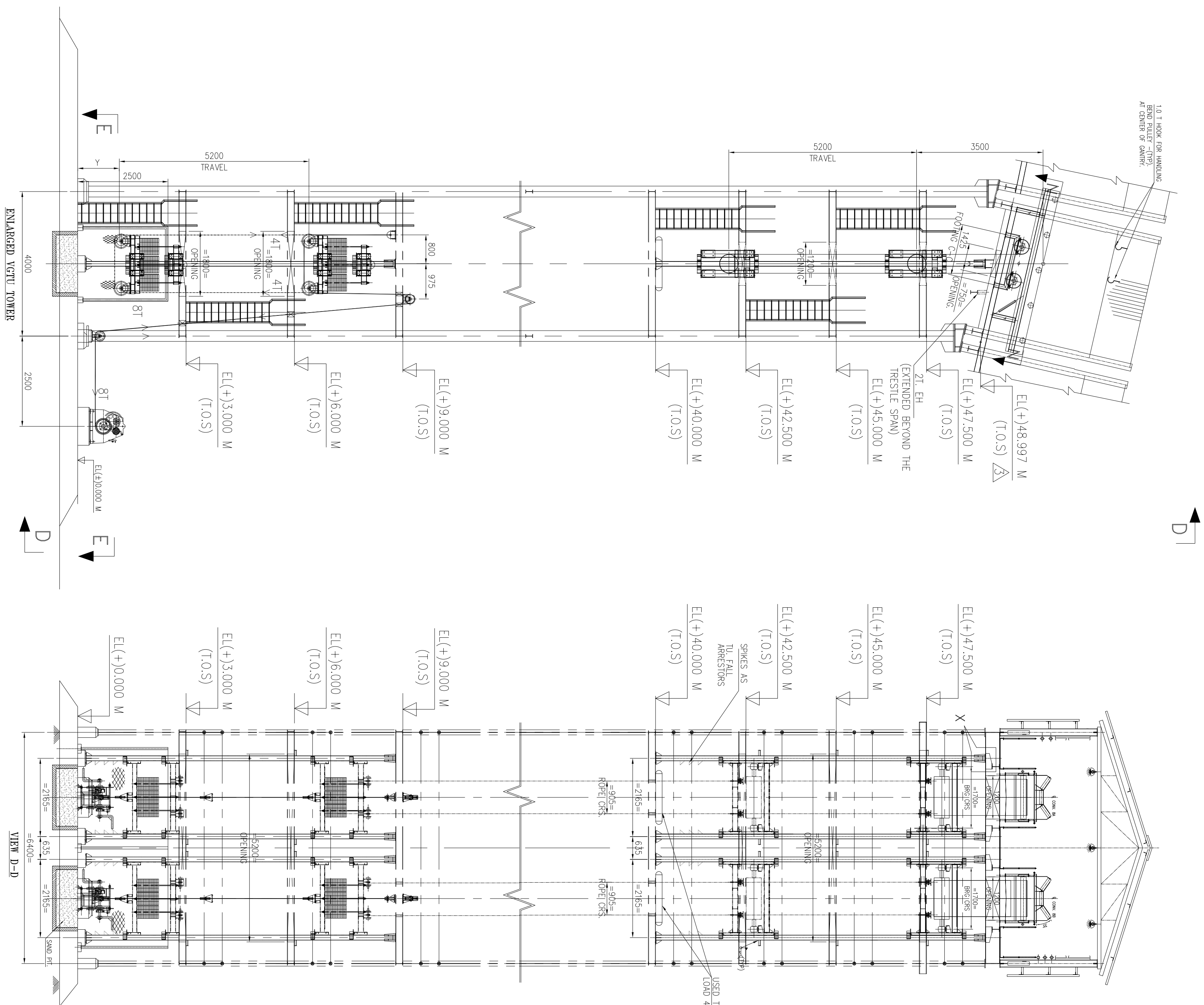
OWNER:
NTPC-SAIL POWER COMPANY PVT. LTD.

CONSULTANT:
MECON LIMITED
भारत भारती

PROJECT:
ROURKELA PH-II EXPANSION
PROJECT (IX250 MW)

TITLE:
GA & LOAD DATA OF BCN-8AB (1000 B.W)

NAME: SGN DATE: 20.11.17
DESIGN: S.D. NO. OF SHEETS: 30.11.17
CHECK: RSP NO. OF SHEETS: 30.11.17
APPROVE: V.R. NO. OF SHEETS: 30.11.17



1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1, 2, 3 & 5 OF 5
3. TO AVOID SHOCK LOAD, MAINTAIN $Y < X$ (SITE TO TAKE CARE)

300x300 (TYP)

VIEW N-N

12-10-17
14-06-17

REVISED AS PER MECON COMMENTS

REVISED AS PER MECON COMMENTS

BRIEF RECORD

BMH JVP RSP

BMH JVP RSP

DRN (CHD) (PFD)

SCALE

PROJECT :

OWNER :
CONSULTANT :

OF TAKE-UP
= 4000 = Δ

1425
625
600
672

1200
= 2165 =
= 1200 =
= 672 =
= 1700 =
BRG. CRS.

635

225
200
260

OF CONV. - 8A
2800
OF CONV. - 8B

OF TAKE-UP
= 4000 = Δ

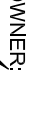
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625
600
672

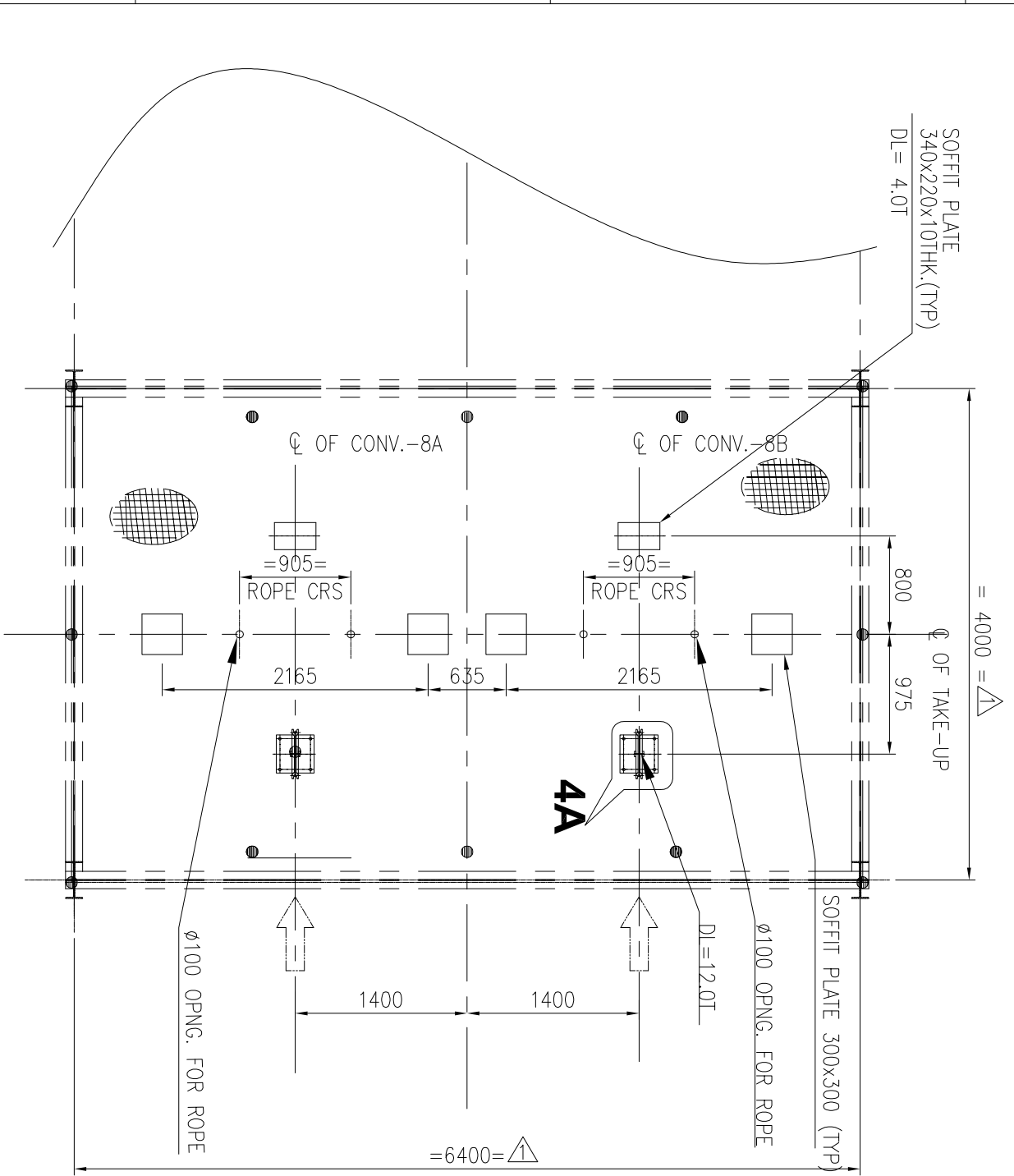
1200
= 2165 =
= 1200 =
= 672 =
= 1700 =
BRG. CRS.

635

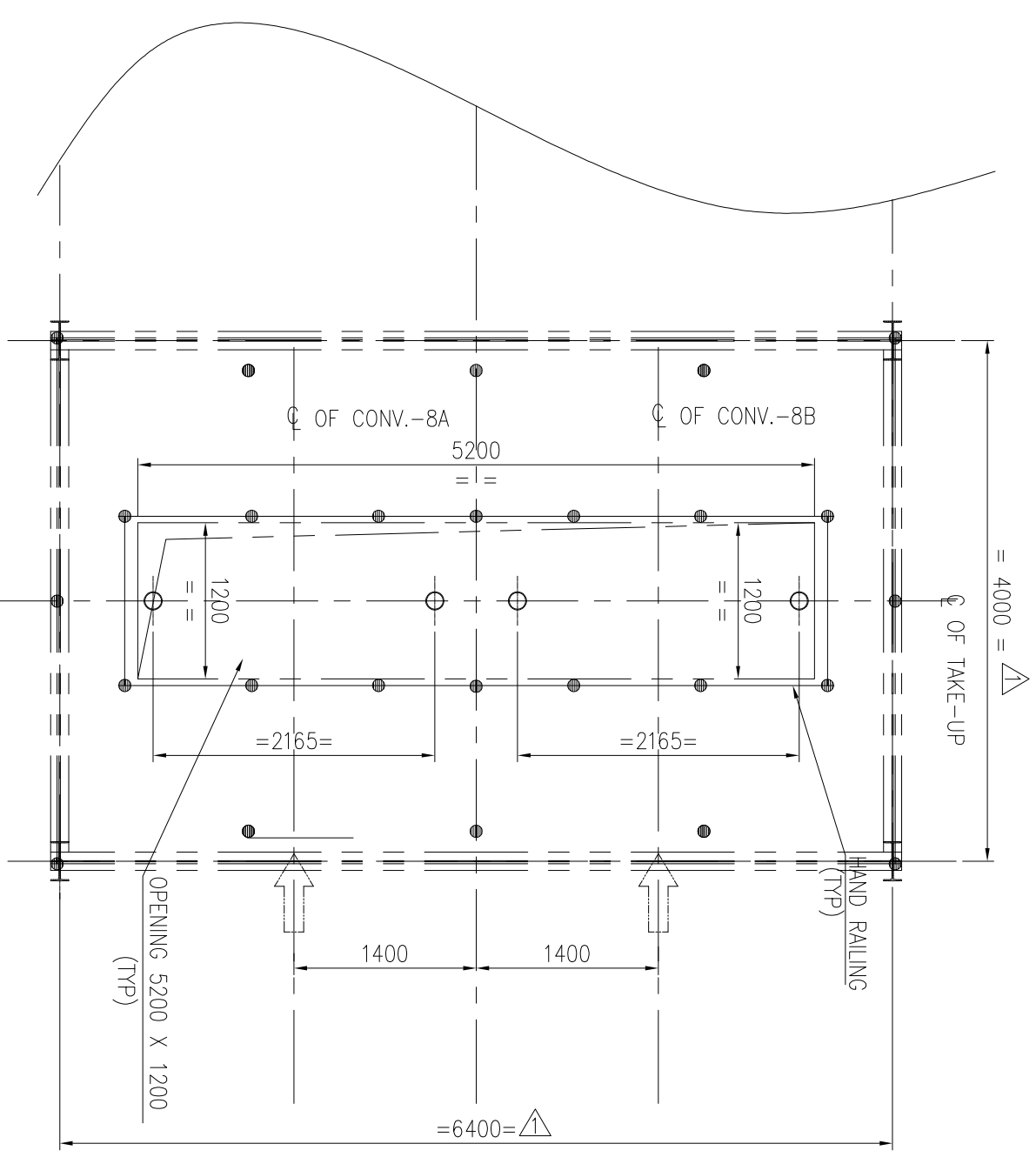
225
200
260

OF CONV. - 8A
2800
OF CONV. - 8B

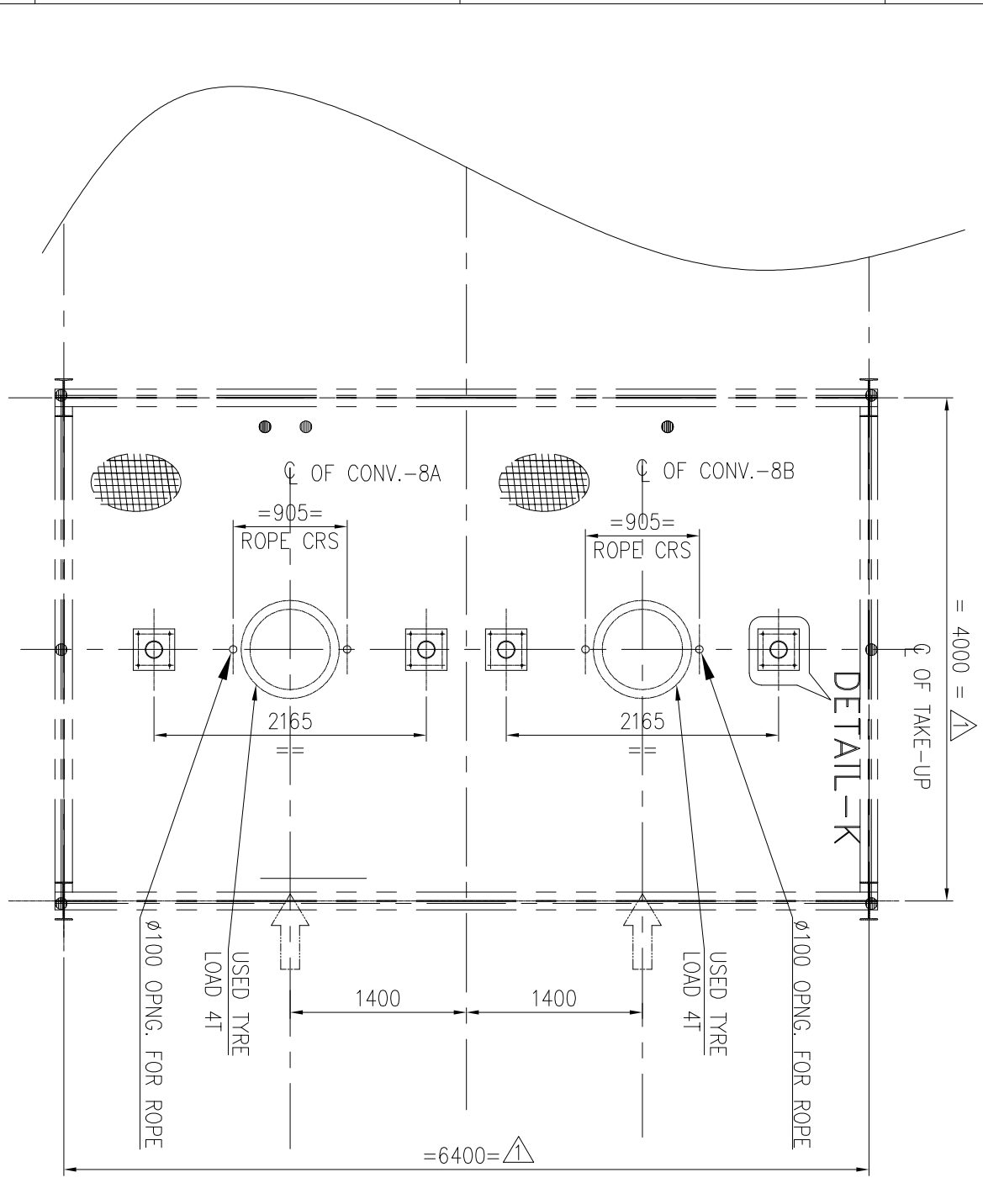
PROJECT :	ROURKELA PP-II EXPANSION PROJECT (1X250 MW)					
OWNER:	 NTPC					
CONSULTANT	 MECON LIMITED मैकॉन लिमिटेड					
						
BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE						
TITLE :	GA & LOAD DATA OF BCN-8AB (1000 B.W)					
						
SCALE	BHEL JOB NO.	BHEL ASSG	IS-1-GA-708-101-M016			
			NAME	SIGN	DATE	NO. OF SHEETS
			DINR. HR		10-1-17	1
			DSNR. S.J		20-1-17	2
			CMD. RSP		30-1-17	3
			JAP. YSD		30-1-17	4
						5
						6
						7
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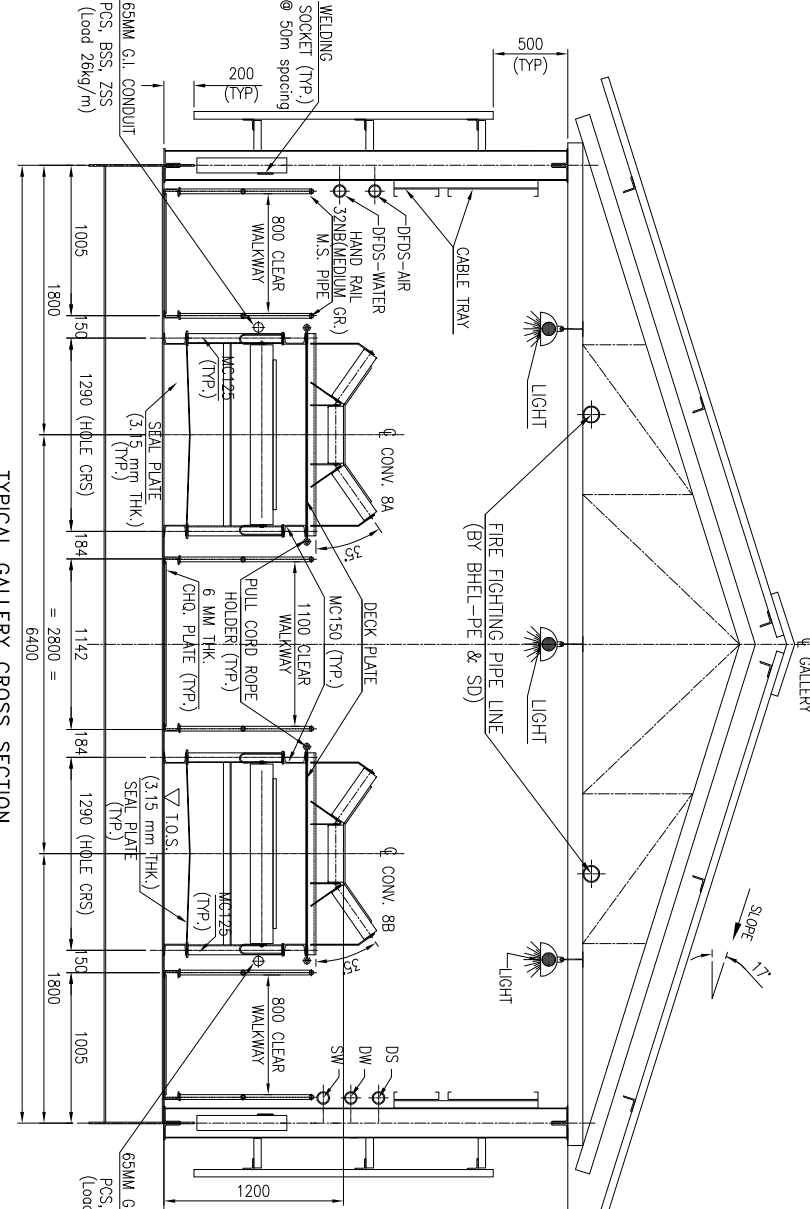
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PLAN AT 42.500, 45.000 & 47.500(T.O.S.)

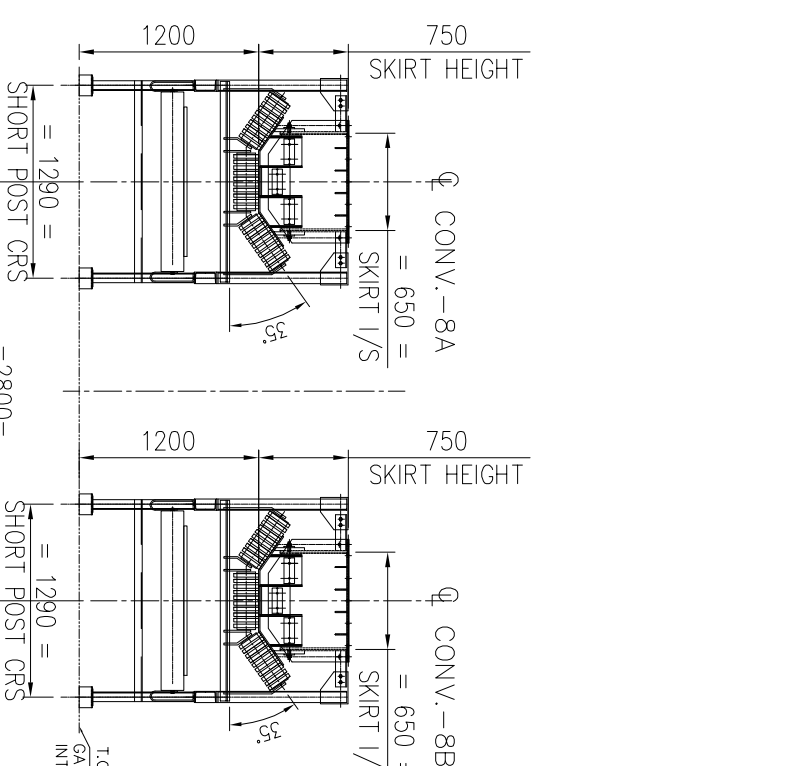
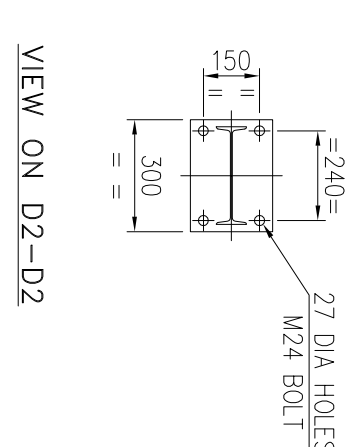
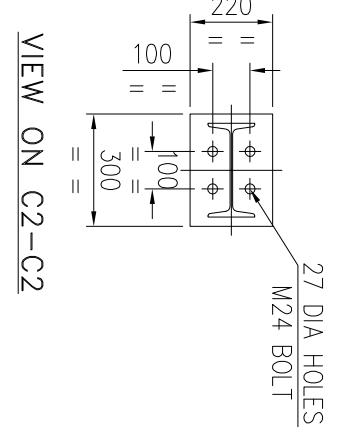
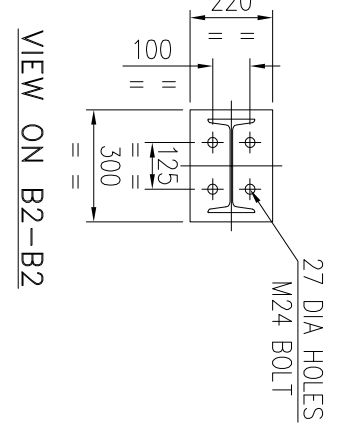
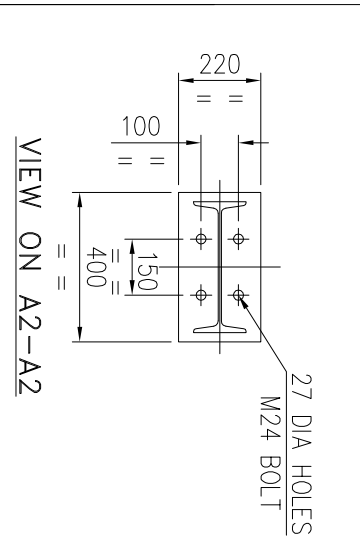
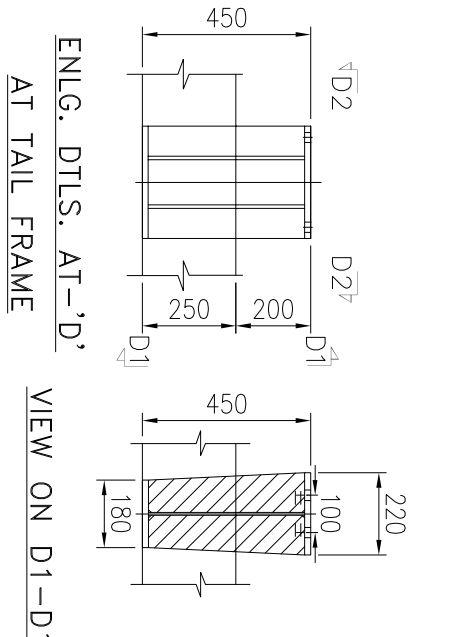
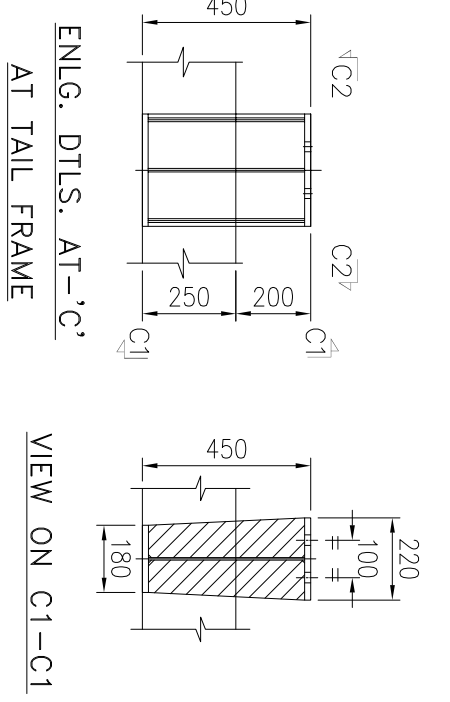
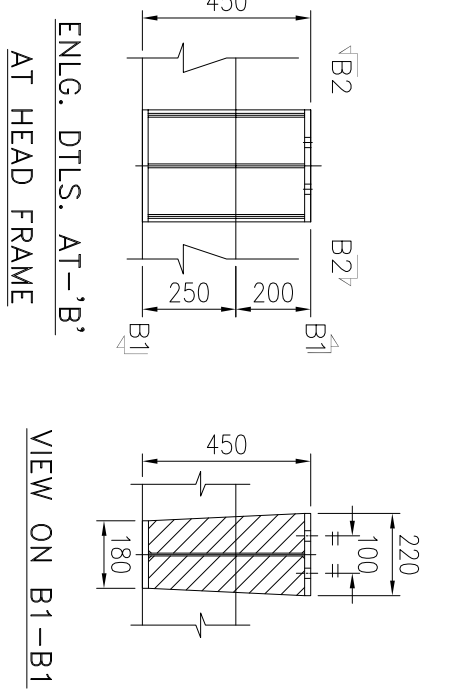
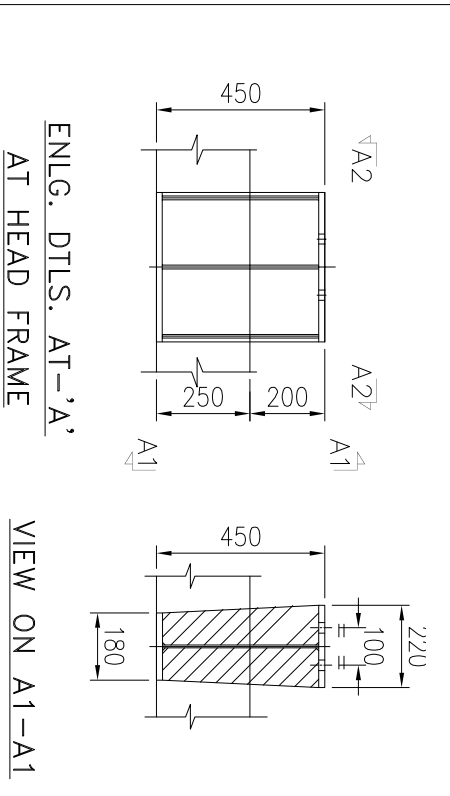
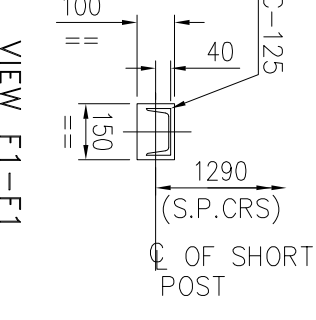
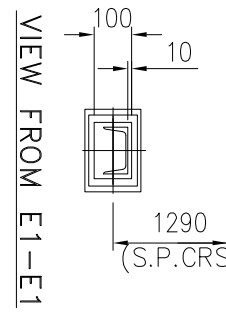


PLAN AT EL.(+)40.000 (T.O.S.)



ENG. DTLS. AT-'E' FOR SHORT POST @ JNT CROSSOVER @ JNT

ENG. DTLS. AT-'F' FOR SHORT POST @ GALLERY

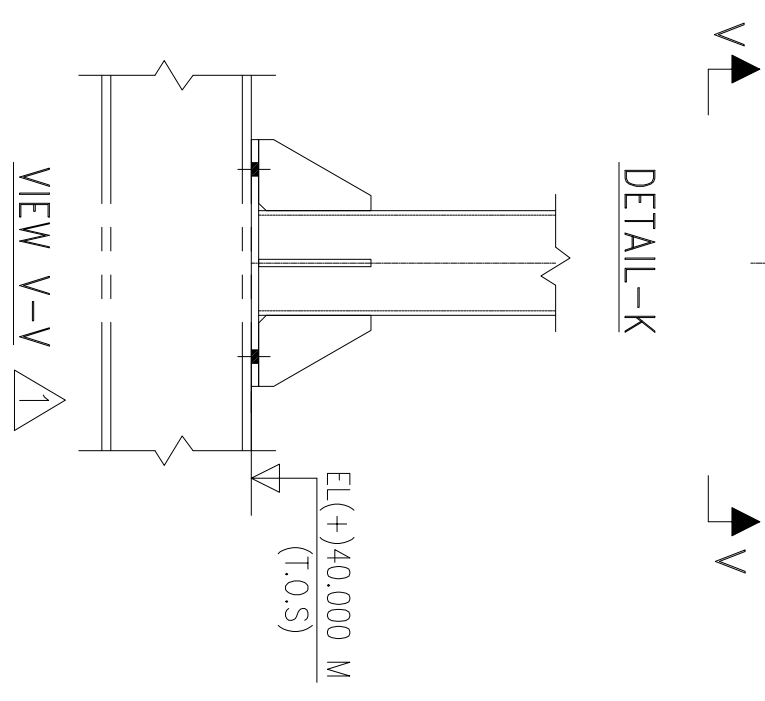
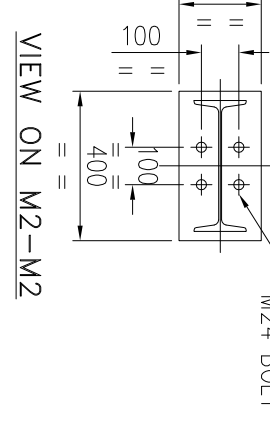
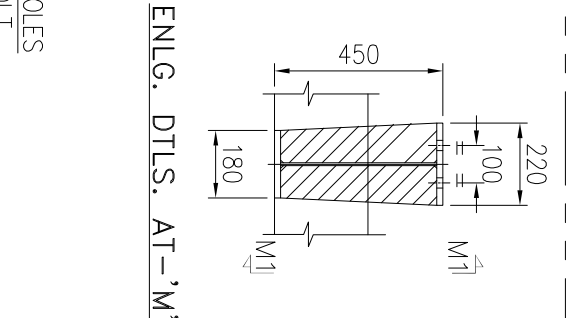
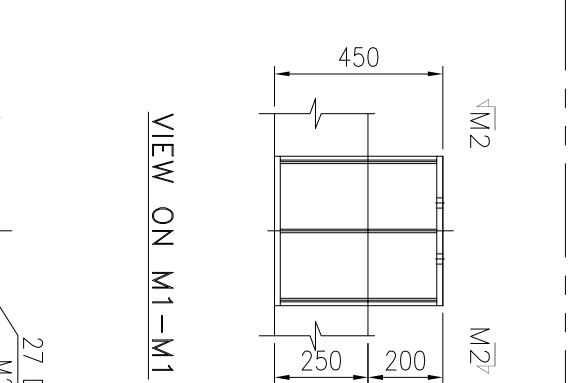
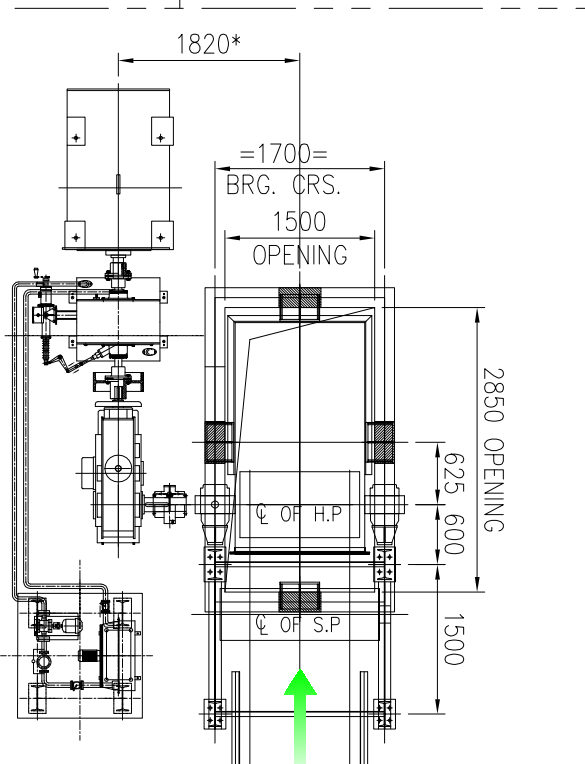
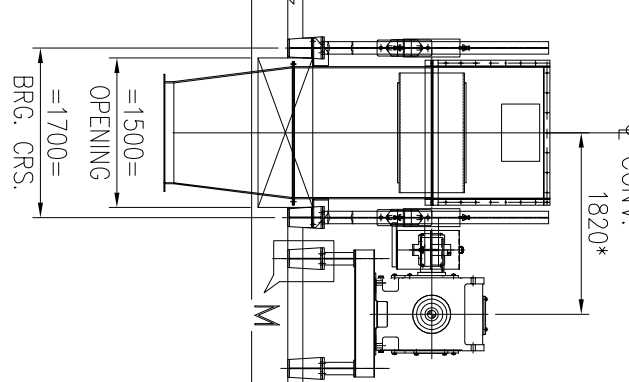
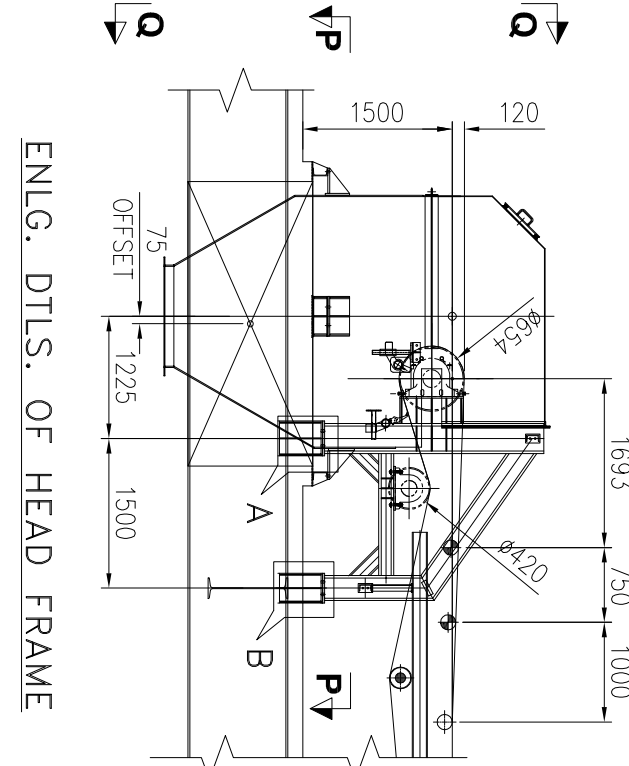


(TYPICAL CROSS SECTION OF SKIRT)

DETAIL AT-H

VIEW : 12-12

VIEW H3-H3*



VIEW V-V

- NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
 2. READ THIS DRG. IN CONJUNCTION WITH SHEET 1, 2, 3 & 4 OF 5

PROJECT :
ROURKELA PP-II EXPANSION
PROJECT (IX250 MW)

OWNER:
NTPC-SAIL POWER COMPANY PVT. LTD.

MECON LIMITED
मेकॉन लिमिटेड

BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

REV	DATE	REVISION	BY	CHKD	APPD
1	18-05-17	REVISED AS PER MECO COMMENTS	BHM	JAV	RSP
2	14-06-17	REVISED AS PER MECO COMMENTS	BHM	JAV	RSP
3	12-10-17	REVISED AS PER MECO COMMENTS	BHM	JAV	RSP

NO.	DATE	NO. OF SHEETS	NO. OF SHEETS
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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REV	DATE	NO.	NO.
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3	12-10-17	30-31	30-31

REV	DATE	NO.	NO.
1	18-05-17	30-31	30-31
2	14-06-17	30-31	30-31
3	12-10-17	30-31	30-31

NO.	DATE	NO. OF SHEETS	SHEET. NO.
1	10-1-17		
2	20-1-17		
3	30-1-17		
4	30-1-17		