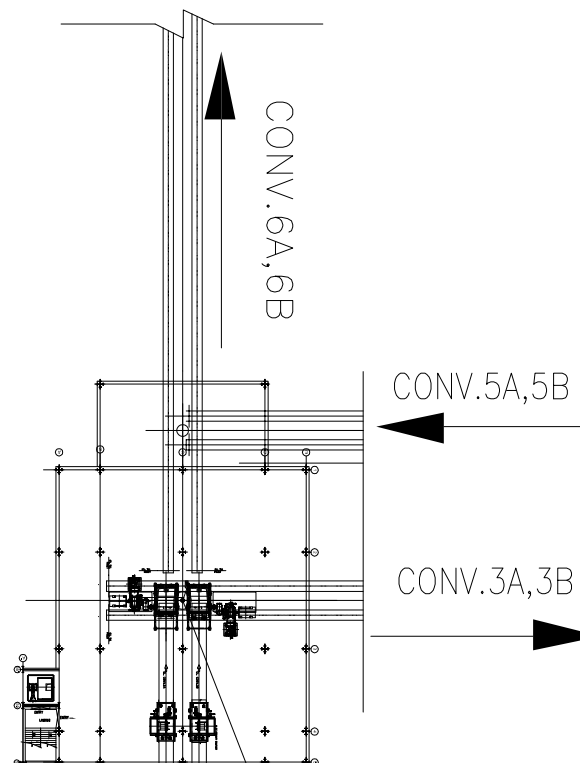
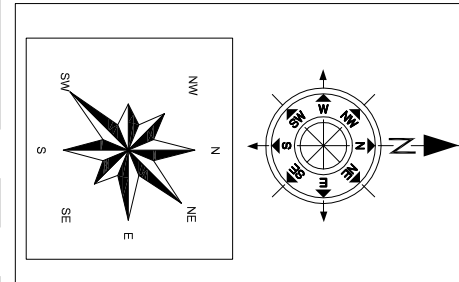




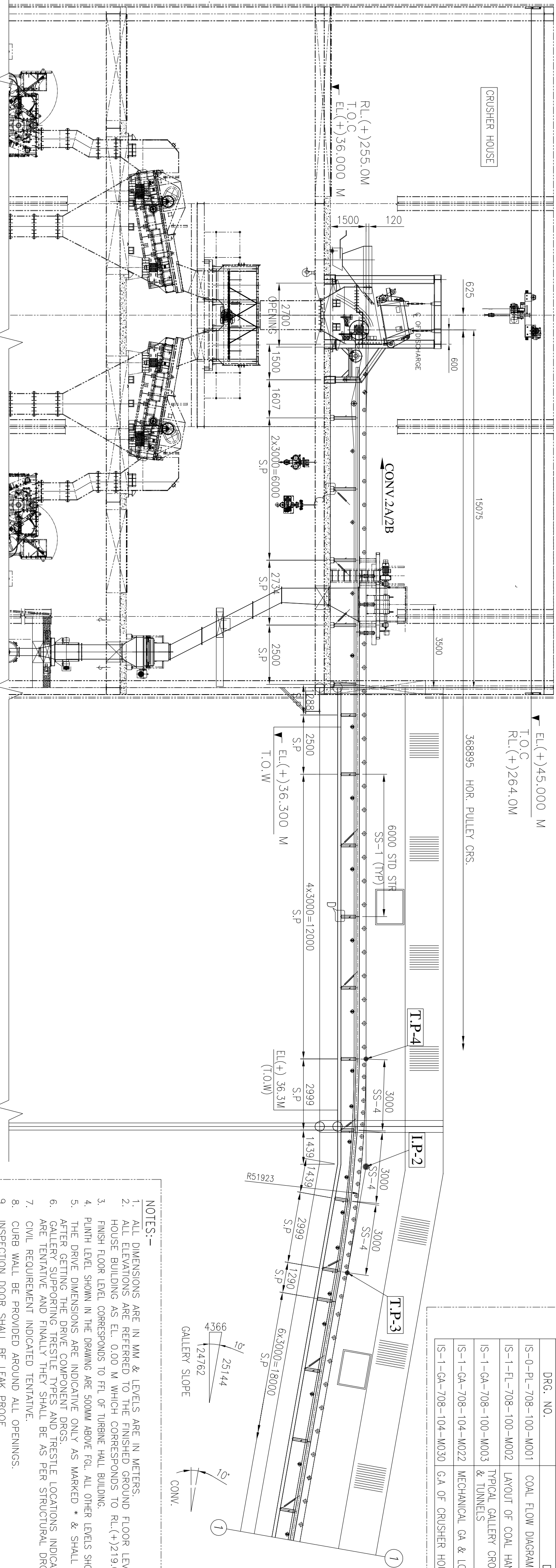
KEY PLAN

PENT HOUSE-1

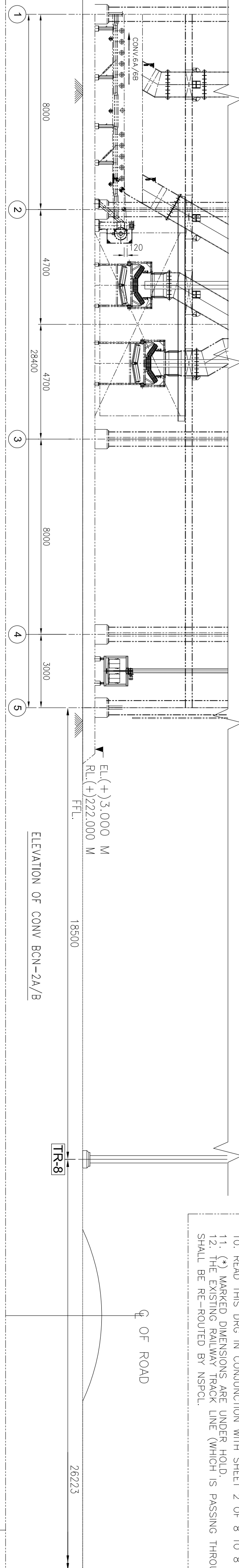


W.P.
S 22.165
E 2592.000

DRG. NO.	DESCRIPTION
IS-0-PL-708-100-M001	COAL FLOW DIAGRAM
IS-1-EL-708-100-M002	LAYOUT OF COAL HANDLING PLANT
IS-1-GA-708-100-M003 & TUNNELS	TYPICAL GALLERY GROSS-SECTIONS OF GALLERIES
IS-1-GA-708-104-M022	MECHANICAL GA & LOAD DATA OF TP-1
IS-1-GA-708-104-M030	GA OF CRUSHER HOUSE



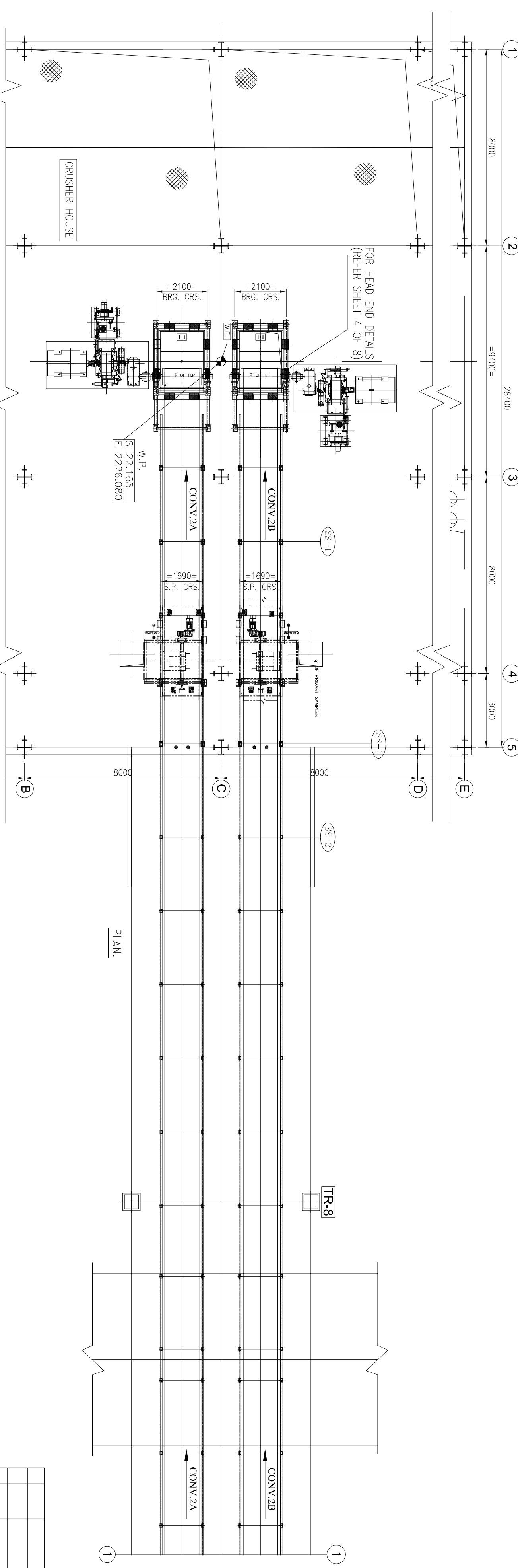
- NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
 2. HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL(+1)219.0 M. ABOVE MEAN SEA LEVEL.
 3. FINISH FLOOR LEVEL CORRESPONDS TO FIT OF TURBINE HALL BUILDING.
 4. PLINTH LEVEL SHOWN IN THE DRAWING ARE 500MM ABOVE FGL. ALL OTHER LEVELS SHOWN ARE W.G.T PLINTH LEVEL.
 5. THE DRIVE DIMENSIONS ARE INDICATIVE ONLY AS MARKED * & SHALL BE FINALIZED AFTER GETTING THE DRIVE COMPONENT DRESS.
 6. AFTER GETTING THE DRIVE COMPONENT DRESS, THE LOCATIONS OF THE DRIVE COMPONENTS ARE TENTATIVE AND FINALLY THEY SHALL BE AS PER STRUCTURAL DRESS.
 7. CIVIL REQUIREMENT INDICATED TENTATIVE.
 8. CLUBB WALL BE PROVIDED AROUND ALL OPENINGS.
 9. INSPECTION DOOR SHALL BE LEAK PROOF.
 10. READ THIS DRG. IN CONJUNCTION WITH SHEET 2 OF 8 TO 8 OF 8.
 11. (*) MARKED DIMENSIONS ARE UNDER HOLD.
 12. THE EXISTING RAILWAY TRACK LINE (WHICH IS PASSING THROUGH GATE NO.3 SHALL BE RE-ROUTED BY NSPCL.



ELEVATION OF CONV BCN-2A/B

Q OF ROAD

26223



PLAN.

LEGEND FOR CONVEYOR	
⊕ CARRYING IDLER	C.I
⊕ NON MAGNETIC IDLER	N.M.I
⊕ TRANSITION IDLER	T.I
⊕ 2 ROLL RETURN IDLER	R.I
⊕ FLAT RETURN IDLER	F.R.I
⊕ IMPACT/TRANSITION IDLER	I/T.I
⊕ IMPACT IDLER	I.I
⊕ SELF ALIGNING CARRYING IDLER	S.A.C.I
⊕ SELF CLEANING IDLER	S.C.I
⊕ DEFLECTOR ROLLER	D.R
⊕ PULL CHORD SWITCH	P.C.S
⊕ BELT SWAY SWITCH	B.S.S
⊕ ZERO SPEED SWITCH	Z.S.S
⊕ WORKING POINT	W.P
⊕ HEAD PULLEY	H.P
⊕ TAIL PULLEY	T.P
⊕ BEND PULLEY	B.P

CONVEYOR NO/EQUIPMENT NO.		TECHNICAL SPECIFICATION		QTY FOR EACH MAKE	
BCN-2A/B		RATED CAPACITY/DESIGN CAPACITY (T.P.H)		1000/1200	
BELT WIDTH (MM)/ROUGHING ANGLE		1400/35°		-	
VERTICAL LIFT (M)		55.500		-	
HORIZONTAL CRS. (M)		368.895 M		-	
PROFILE LENGTH (MM)		378.062 M		-	
ENDLESS BELT LENGTH (CONSIDERING SAG) (MM)		780,000 M		-	
SPEED (M/SEC)		2.8		-	
MATERIAL		COAL		-	
BULK DENSITY FOR CONVEYOR SIZING (TON/CUM)		0.8		-	
FOR STRUCTURAL DESIGN (TON/CUM)		1.1		-	
LUMP SIZE (MM)		(-)250		-	
MOISTURE CONTENT		15%		-	
MATERIAL TEMP.		AMBIENT (MAX. 50°)		-	
TYPE		N/A		-	
DRIVING		1600/4		-	
TOP COVER THICKNESS (MM)		3		-	
BOTTOM COVER THICKNESS (MM)		Te-119.05, T1-201.19, T2-82.14, T1s-225.0, T2s-82.14		-	
BELT TENSION (KN)		VULCANIZED		-	
TYPE OF JOINT		TEFC, IE2, IP55		1 No.	
TYPE		400		-	
POWER RATING(KW)/HPV/FRAME SIZE		3.3KW, 3PHASE, 50Hz		-	
SUPPLY VOLTAGE / DUTY		BETEL HELICAL		1 No.	
MODEL NO		CCKC400		WM	
HOLD BACK		YES		-	
RATIO		22:4:1		-	
MECHANICAL RATING KW		546		-	
BRAKE TYPE		AS PER DRIVING TIME CALCULATION		1 No.	
COUPLING TYPE/SIZE		SCOP/SC-11A		-	
LOW SPEED RATING KW/100 rpm		FCC-10		1 No.	
TYPE		VGTU		-	
TRAVEL (MM)		10100		-	
COUNTER WEIGHT (N KG)		15300		-	
DRIVE		930		-	
TAKE-UP		9630		1 No.	
BEND		9630		2 Nos.	
DRIVE PULLEY		12 MM SHORE, DIAMOND GROOVE		1 No.	
ALL OTHER PULLEYS		10 MM PLAIN NATURAL RUBBER		-	
3 ROLL 10° TRANSITION IDLERS		Ø152.4 ERW X5.4THK. MS PIPE		2 Nos.	
3 ROLL 20° TRANSITION IDLERS		Ø152.4 ERW X5.4THK. MS PIPE		1 No.	
3 ROLL 20° IMPACT TRANSITION IDLERS		Ø152.4 ERW X5.4THK. MS PIPE		1 No.	
3 ROLL 35° CARRYING IDLERS		Ø152.4 ERW X5.4THK. MS PIPE		344 Nos.	
3 ROLL 35° IMPACT IDLERS		Ø139.7 ERW X5.4THK. MS PIPE, OD Ø 205		12 Nos.	
NON MAGNETIC IDLER		Ø152.4 ERW X5.4THK. MS PIPE		4 Nos.	
3 ROLL 35° SELF ALIGNING CARRYING IDLERS		Ø152.4 ERW X5.4THK. MS PIPE		24 Nos.	
2 ROLL RETURN IDLER		Ø152.4 ERW X5.4THK. MS PIPE		111 Nos.	
2 ROLL SELF ALIGNING RETURN IDLER		Ø152.4 ERW X5.4THK. MS PIPE		12 Nos.	
2 ROLL CLEANING RETURN IDLER		Ø152.4 ERW X5.4THK. MS PIPE		4 Nos.	
DEFLECTOR ROLLER		Ø219+6MM THK. MS PLATE		1 No.	
BELT CHANGING ROLLER		Ø219+6MM THK. MS PLATE		2 Nos.	
INTERNAL SCRAPER TYPE		V-ROUGH TYPE		1 No.	
EXTERNAL SCRAPER TYPE		PRIMARY WITH MULTI BLADE SPRUNG TYPE		1 No.	
SKIRI BOARD		SECONDARY WITH TORSION ARM		1 No.	
DECK PLATE		80.0 W, 10mm TISSOL, with 2mm MS COVER & 20mm rubber coating of 50% shore hardness		1 EACH	
HEAD FRAME, TAIL FRAME & DRIVE BASE FRAME		ROLLED SECTION/FAB STRUCT		1 EACH	
BEND FRAME		ROLLED SECTION/FAB STRUCT		1 EACH	
STRINGER		ISM-C-150		1 LOT	
SHORT SUPPORT		ISM-C-125		1 LOT	
DISCHARGE CHUTE		20mm thk TISSOL/SAILHARD on sliding zone & 10mm thk MS plate on non sliding zone		1 LOT	
PULL CORD SWITCH /LOCATION		25 M SPACING \ JAYASHREE KANA		15 PAIRS.	
BELT SWAY SWITCH/LOCATION		50 M SPACING \ JAYASHREE KANA		8 PAIRS.	
ZERO SPEED SWITCH/LOCATION		ONE FOR EACH CONVEYOR MOUNTED AT TAIL PULLEY		1 NO.	
CHUTE BLOCK SWITCH		per Point		1 NO.	
SAFETY SWITCHES		ONE CONVEYOR QTY. INDICATED		1 NO.	

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

OWNER:
NTPC-SAIL POWER COMPANY PVT. LTD.

CONSULTANT:
MECON LIMITED
भारत भारतिटिड

BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

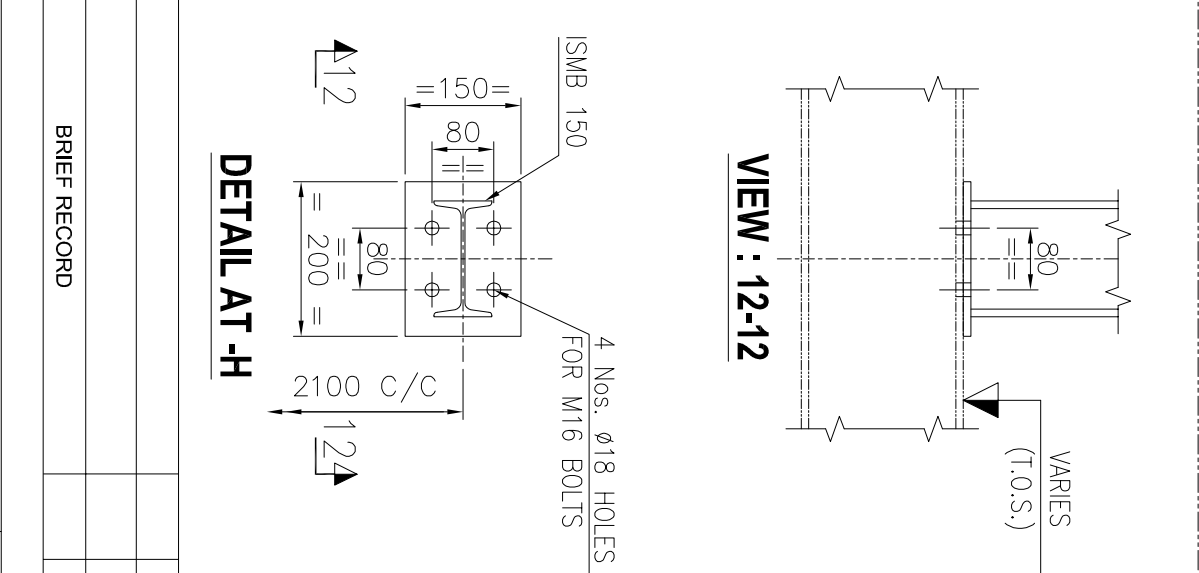
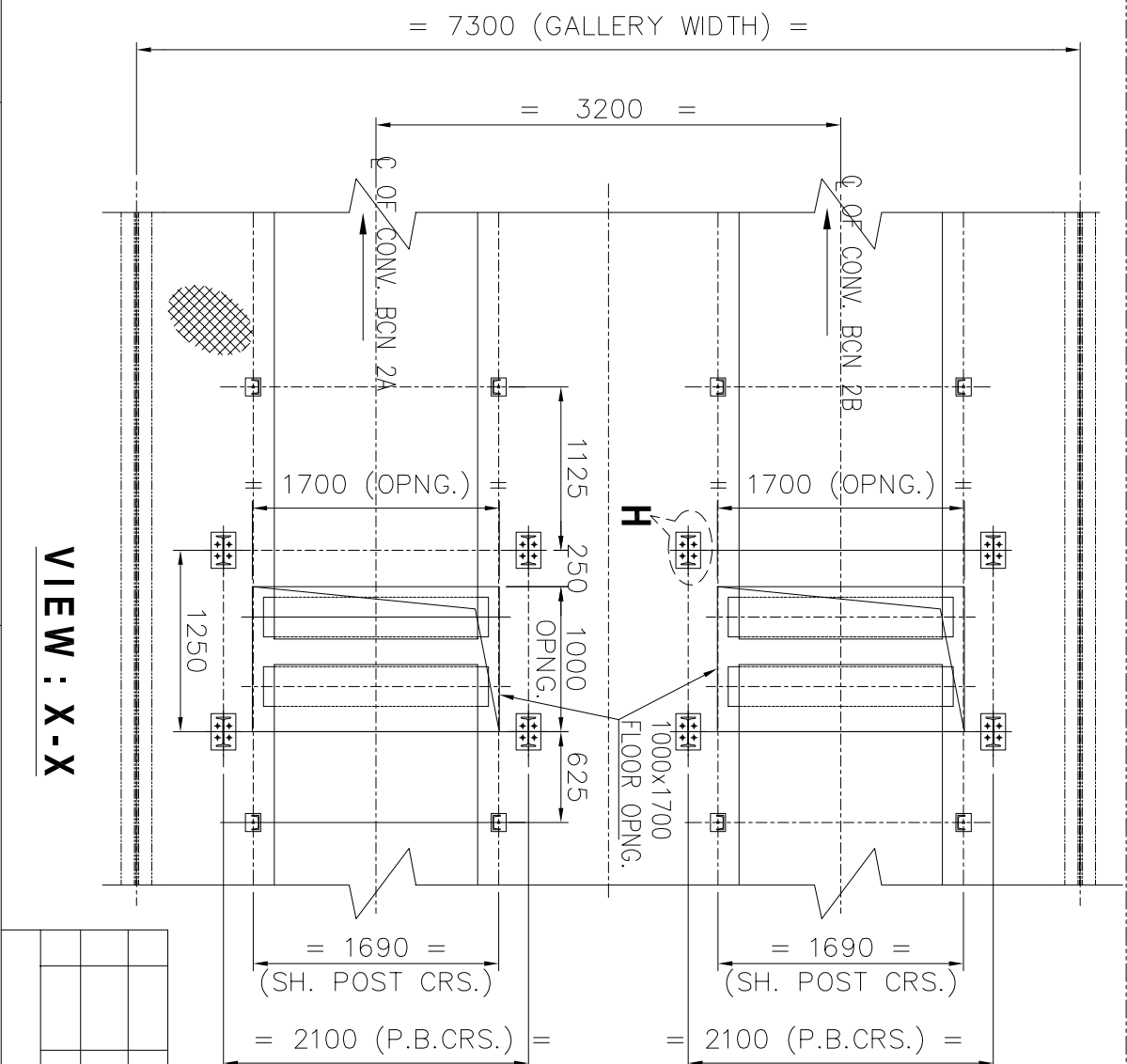
TITLE :
GA & LOAD DATA OF BCN-2AB (1400 B.W)

NAME	SIGN	DATE
DRN. BB		06-05-17
DESIGN. S.J		06-05-17
CHD. RSP		
APP. VSD		

NO. OF SHEETS	NO. OF SHEETS
8	1

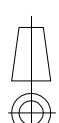
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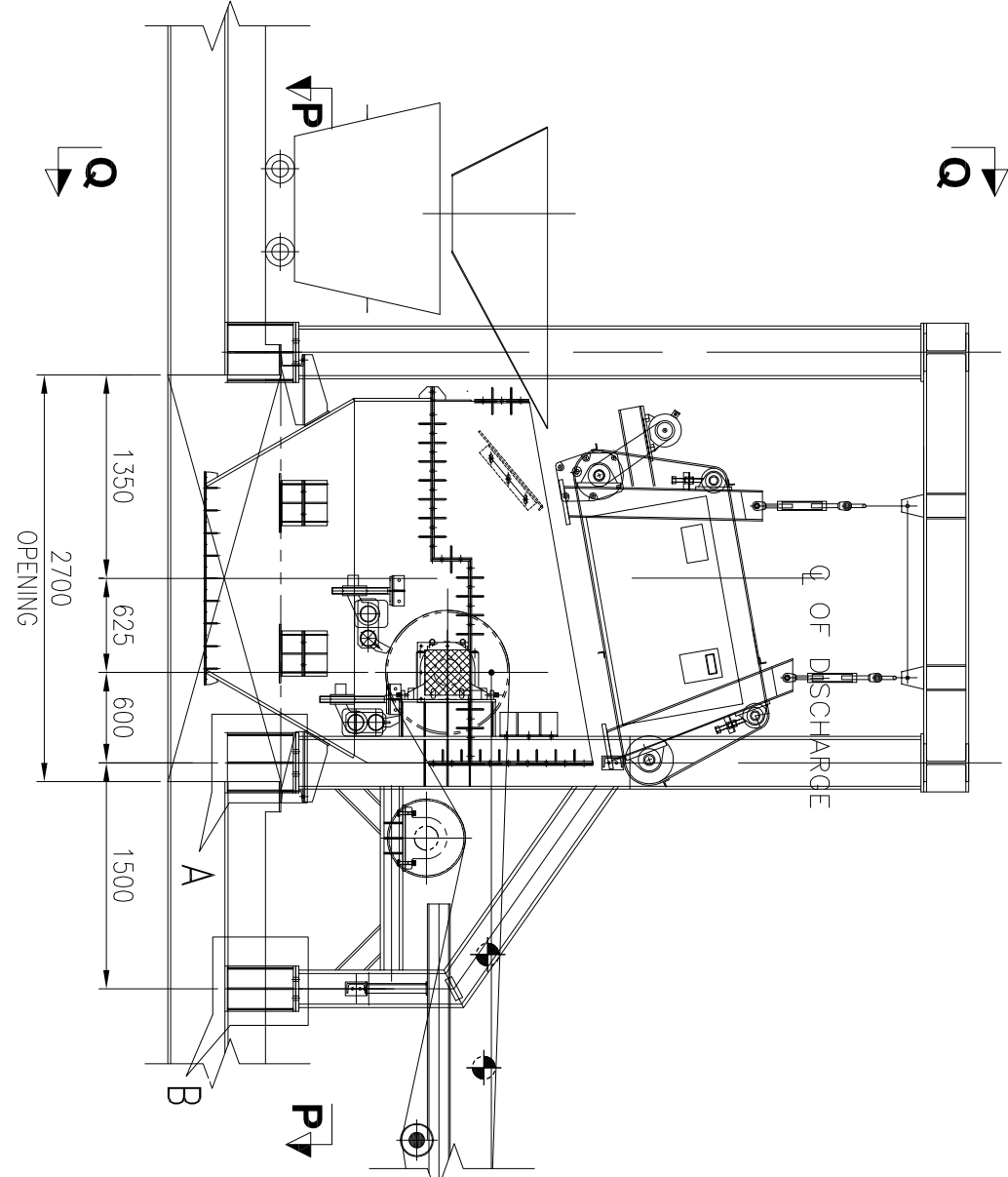
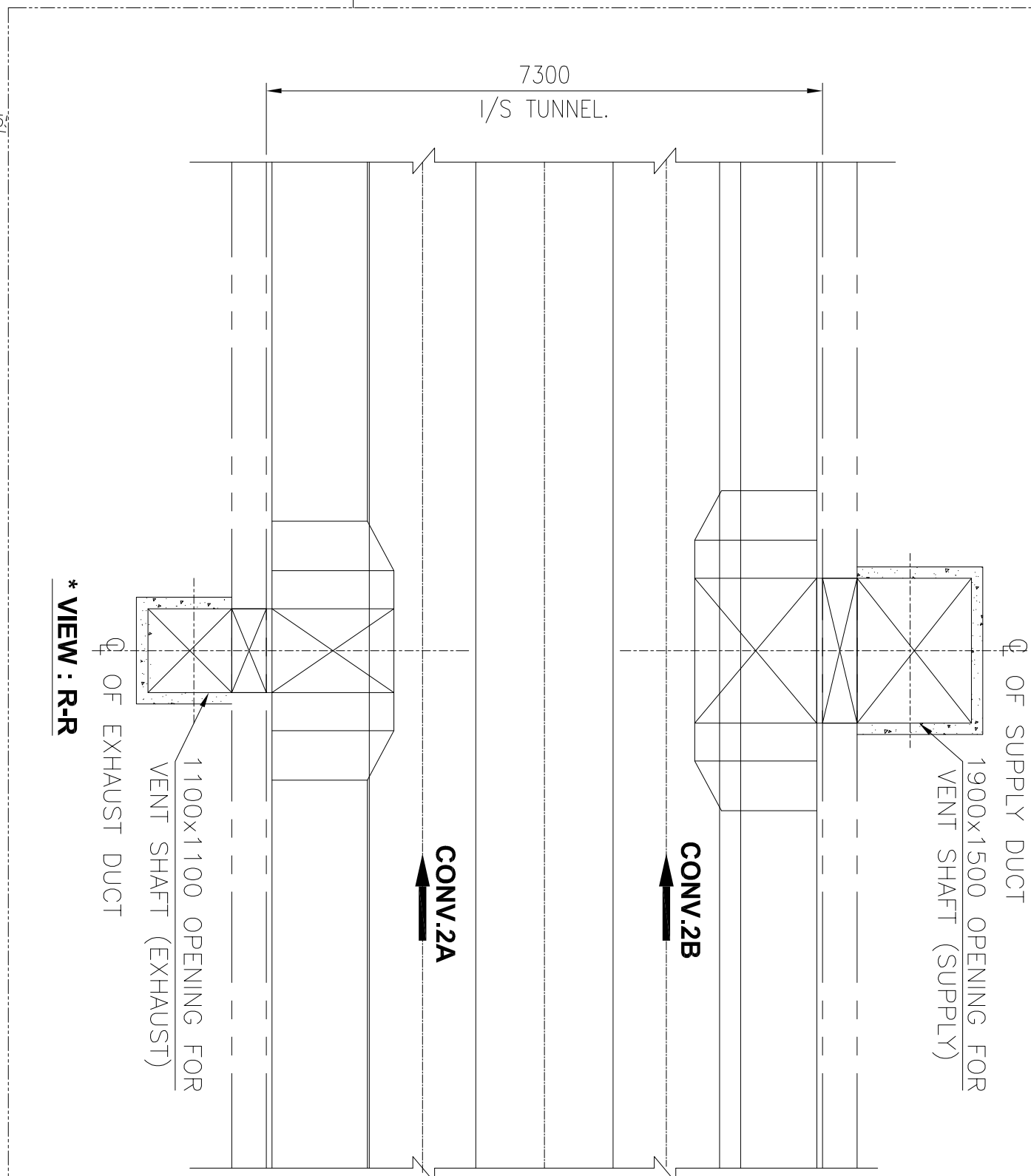
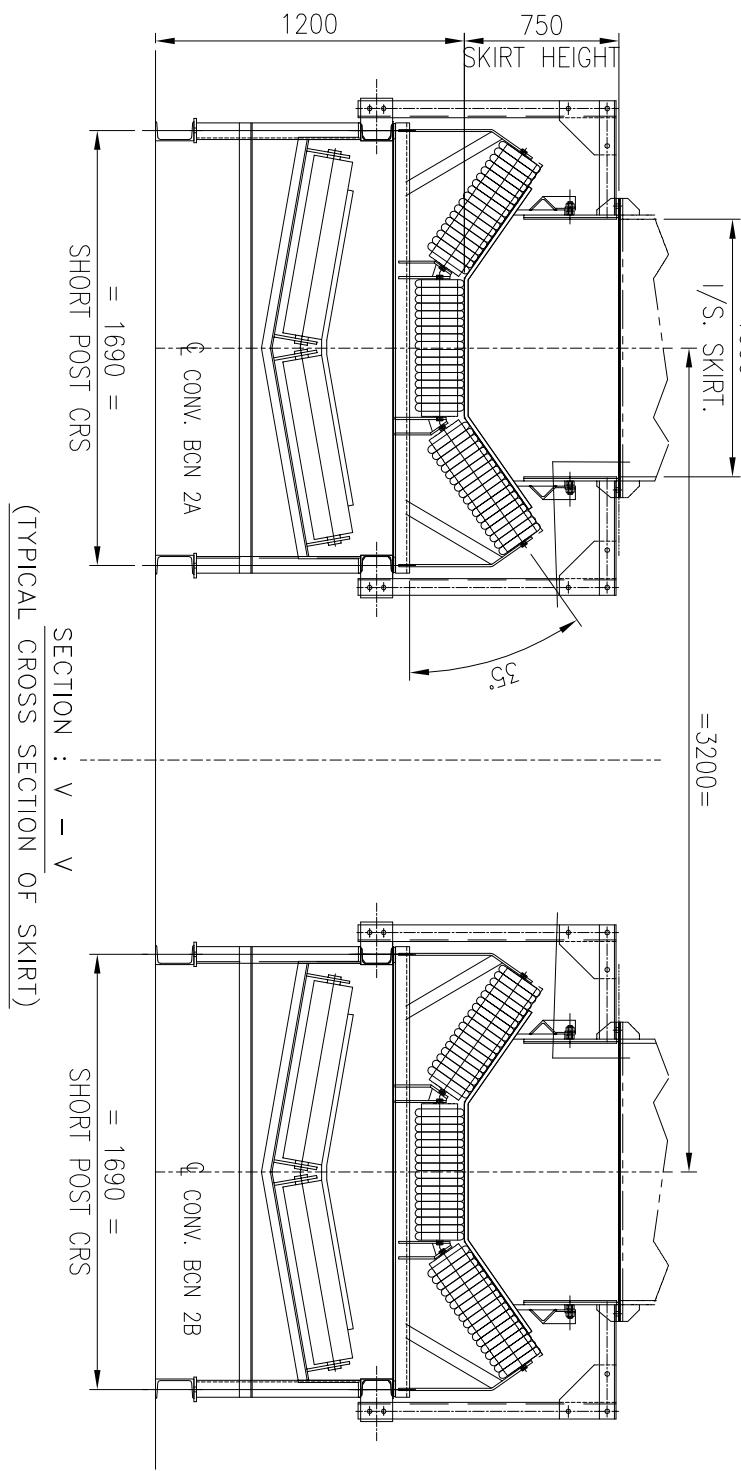
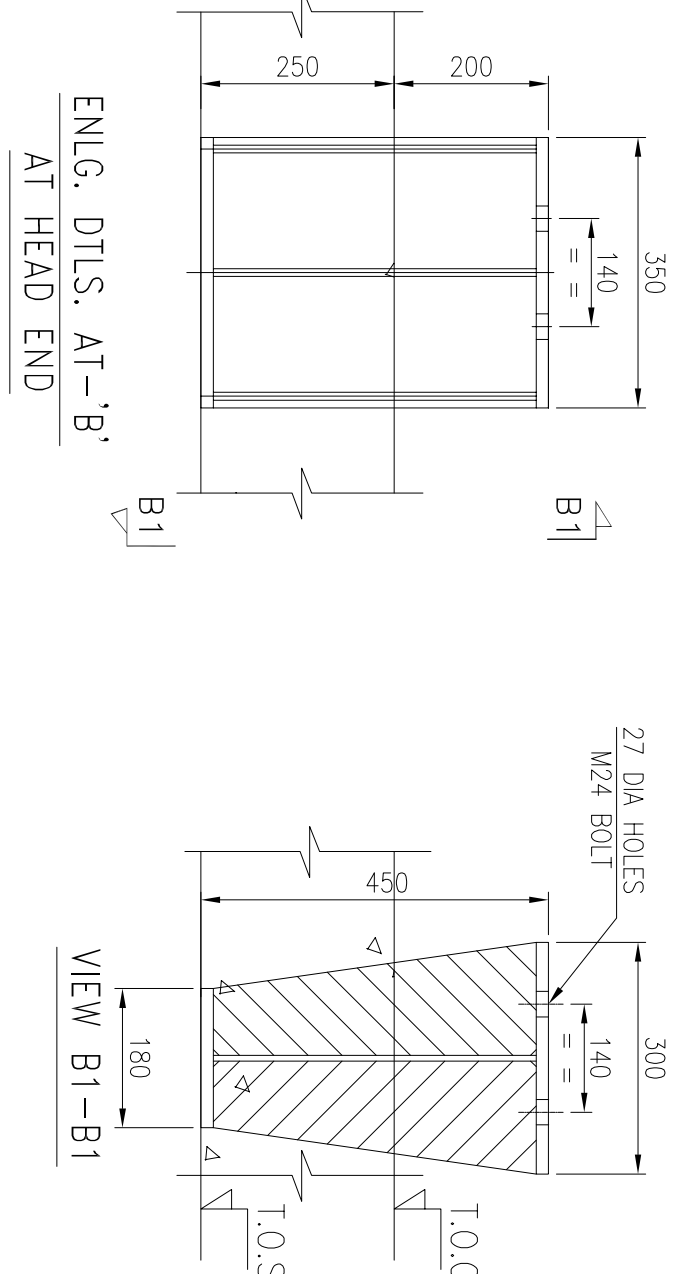
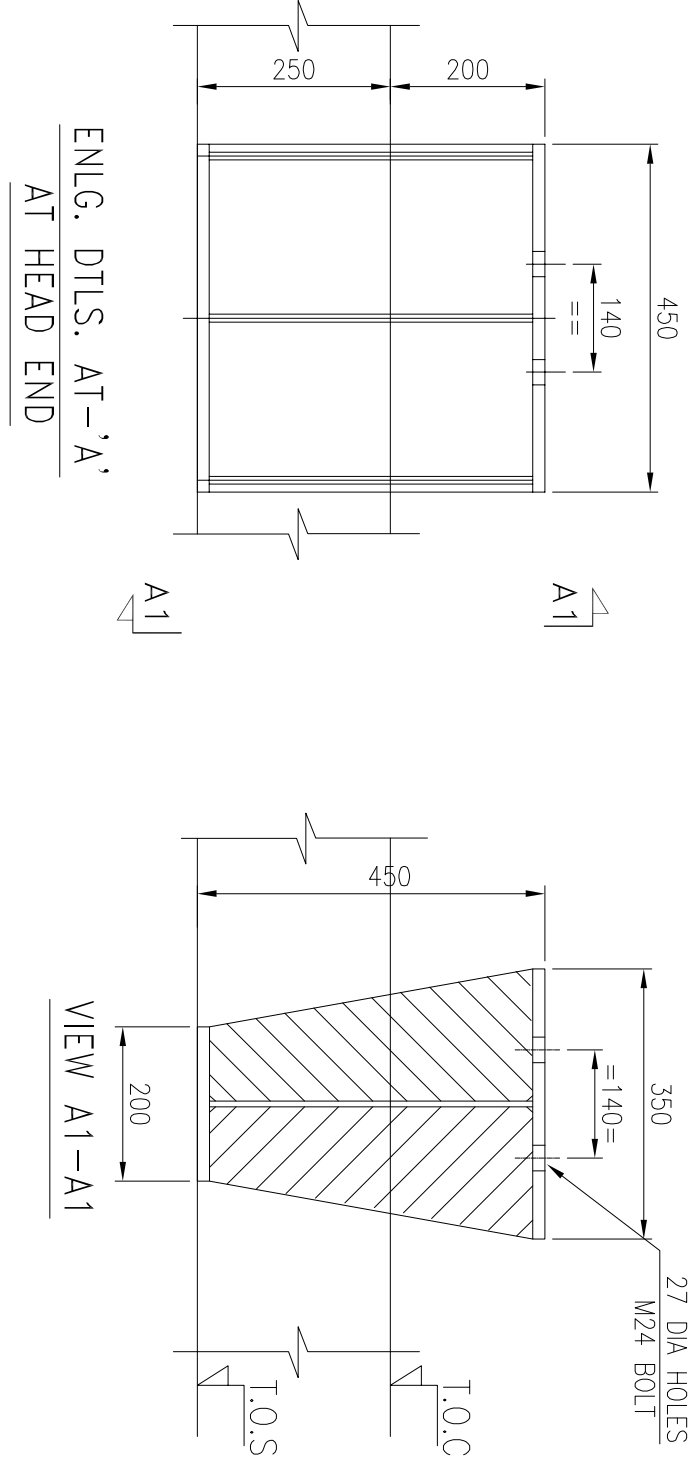
SCALE	BHEL JOB NO.	BHEL-RSG DRG. NO.	IS-1 GA-708-101-M007	SIZE-A1

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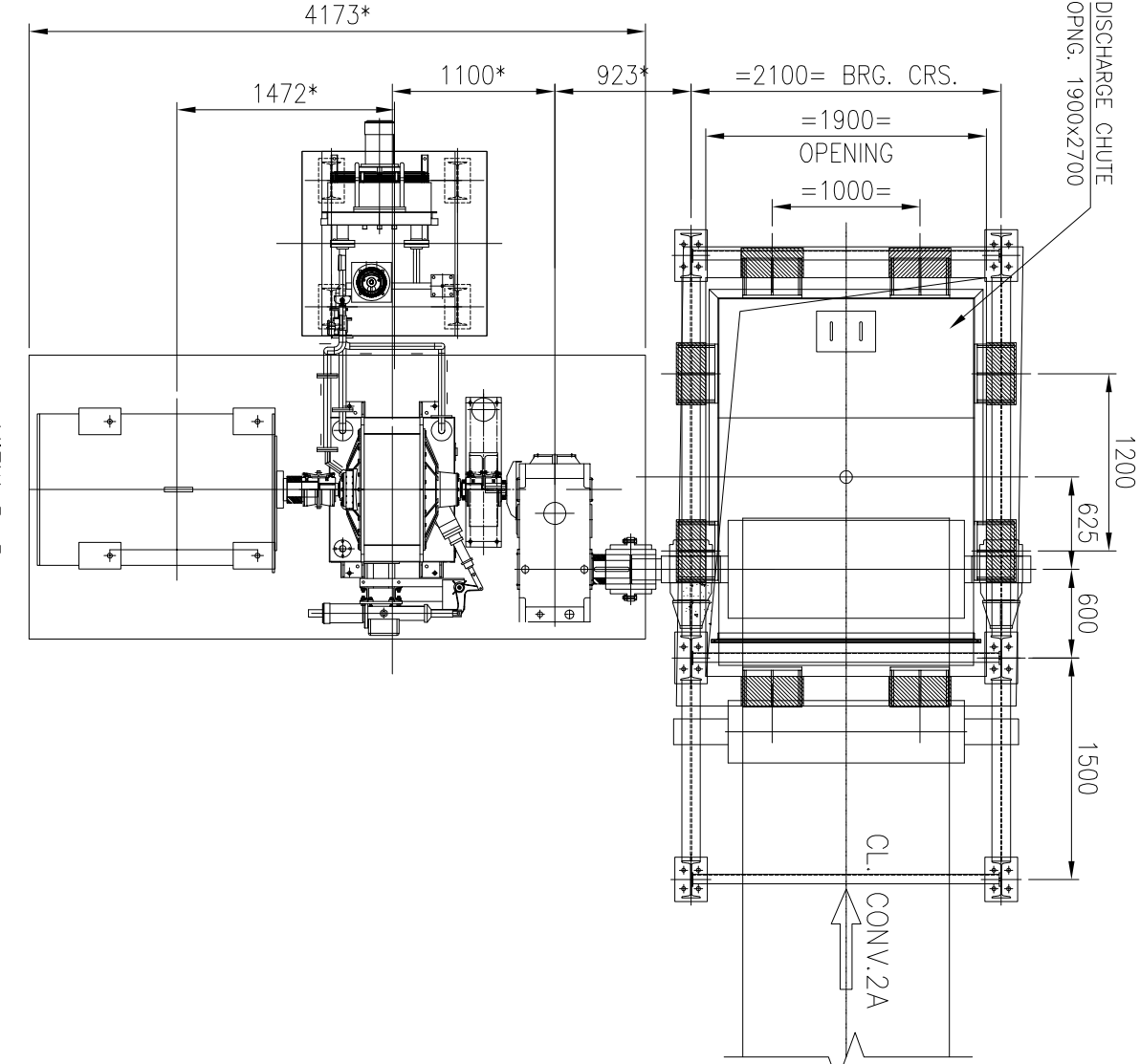
VIEW : 2-2

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1, 3, 4, 5, 6, 7 & 8 OF 8

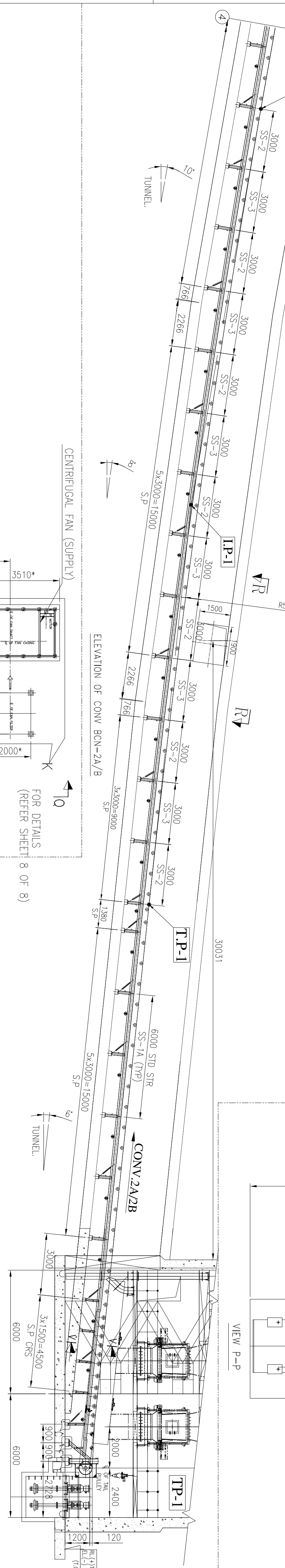
PROJECT :	ROURKELA PP-II EXPANSION PROJECT (1X250 MW)									
OWNER	NTPC-SAIL POWER COMPANY PVT. LTD.									
CONSULTANT	MECON LIMITED मेकॉन लिमिटेड									
 	BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE									
TITLE :	GA & LOAD DATA OF BCN-2AB (1400 B.W)									
SCALE										
BHEL JOB NO.	BHEL/SC DRG. NO.	IS-1-GA-708-101-M007								
			NO. OF SHEET							
			NO.							



ENLG. DTLS. OF HEAD FRAME FOR CONV-2A/B
(REFER SHEET 1 OF 8)

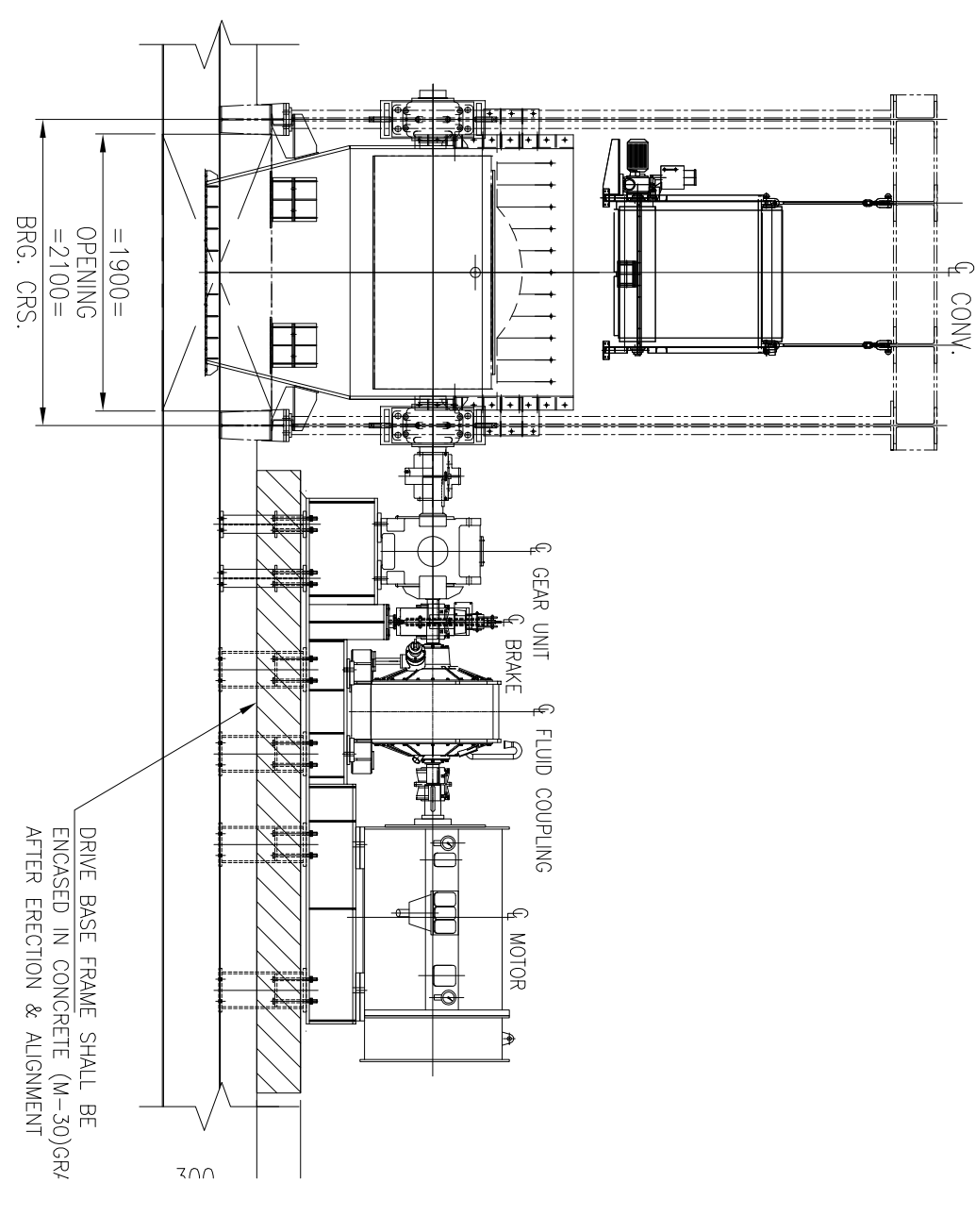
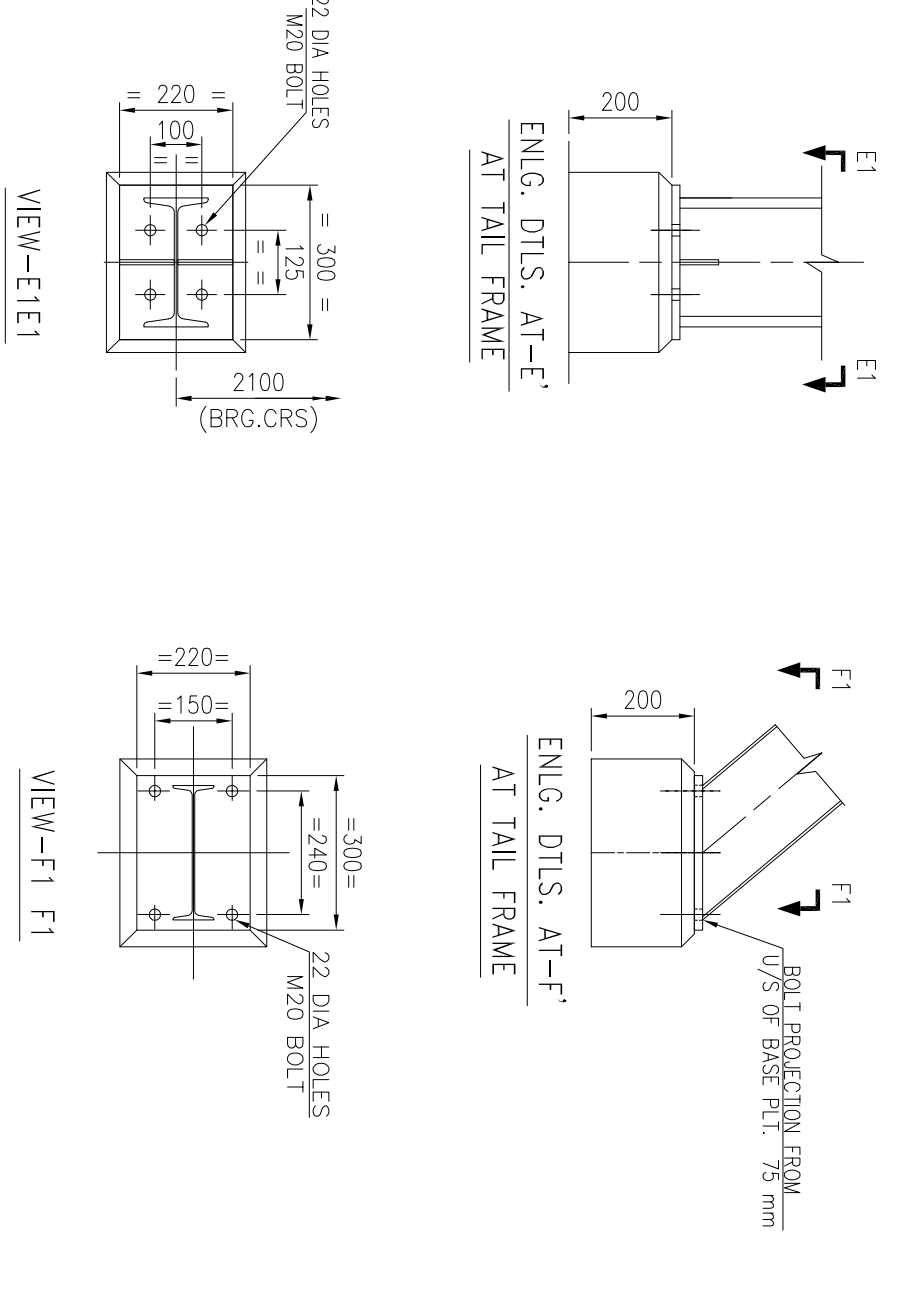
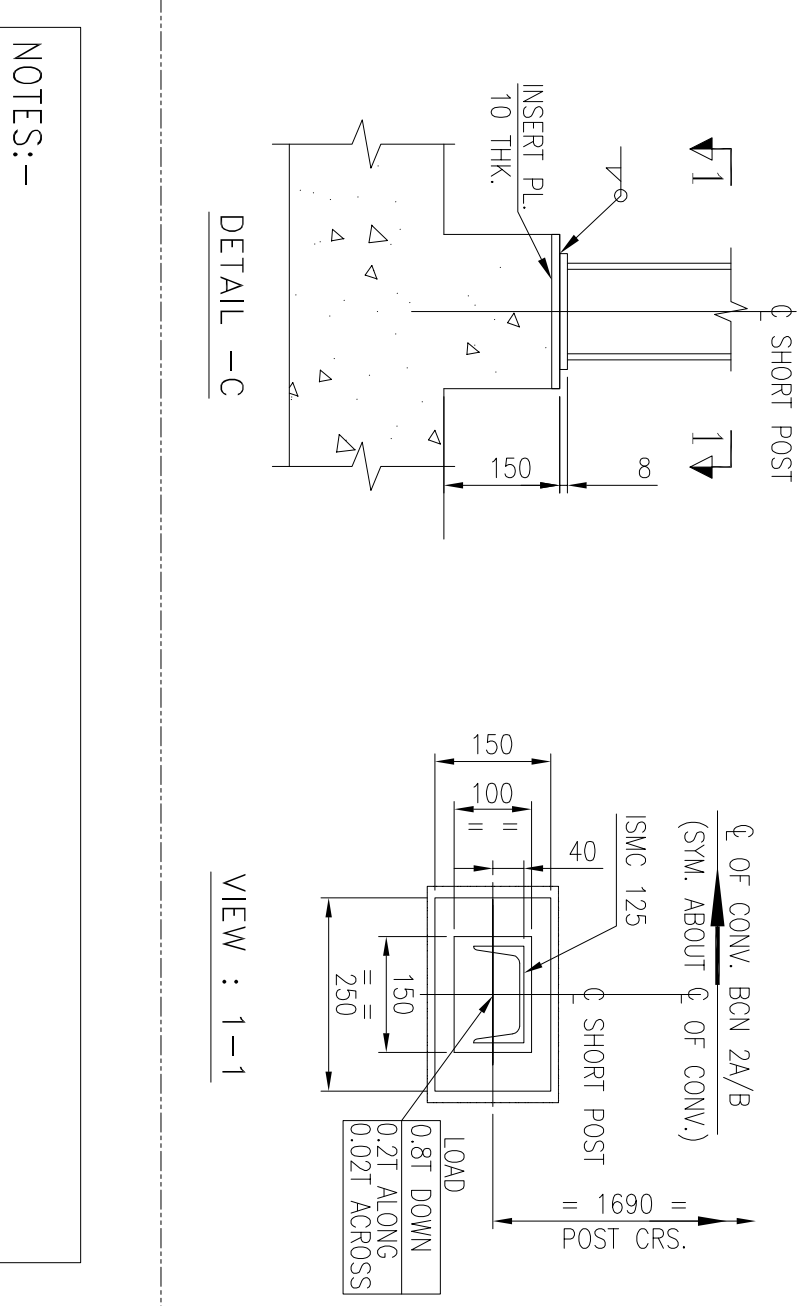
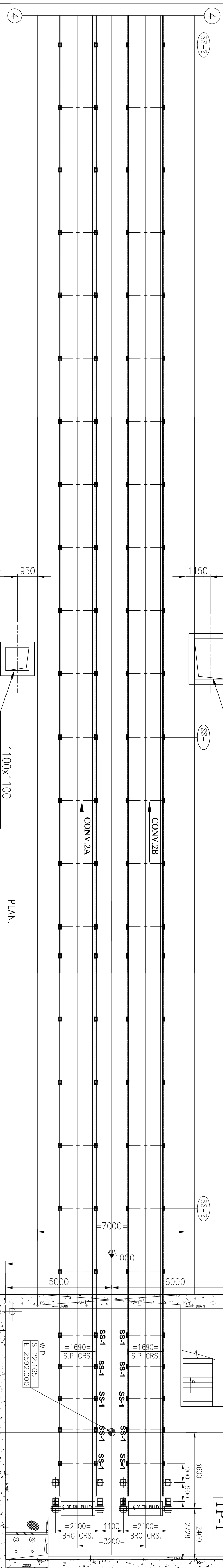
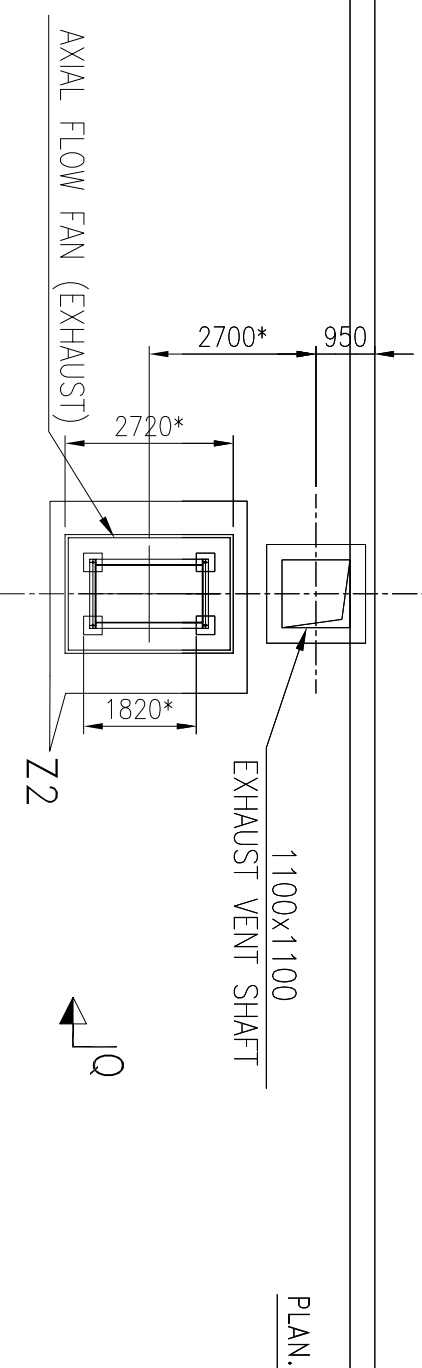


* VIEW : RR



CENTRIFUGAL FAN (SUPPLY)
FOR DETAILS
(REFER SHEET 8 OF 8)

SUPPLY VENT SHAFT
1900x1500



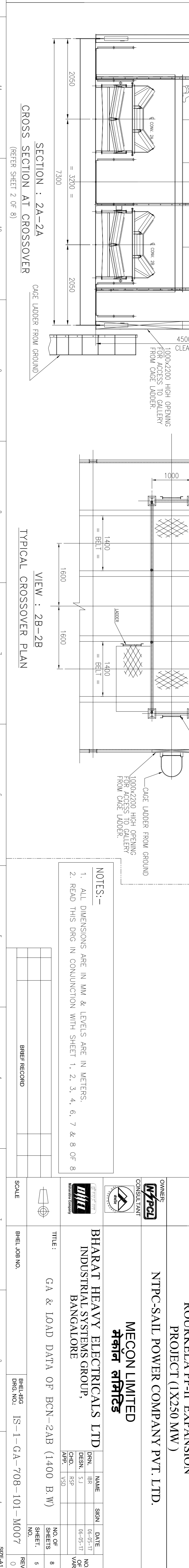
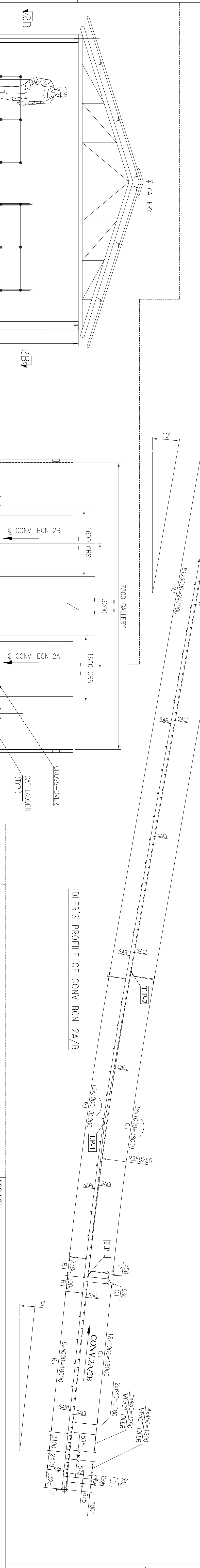
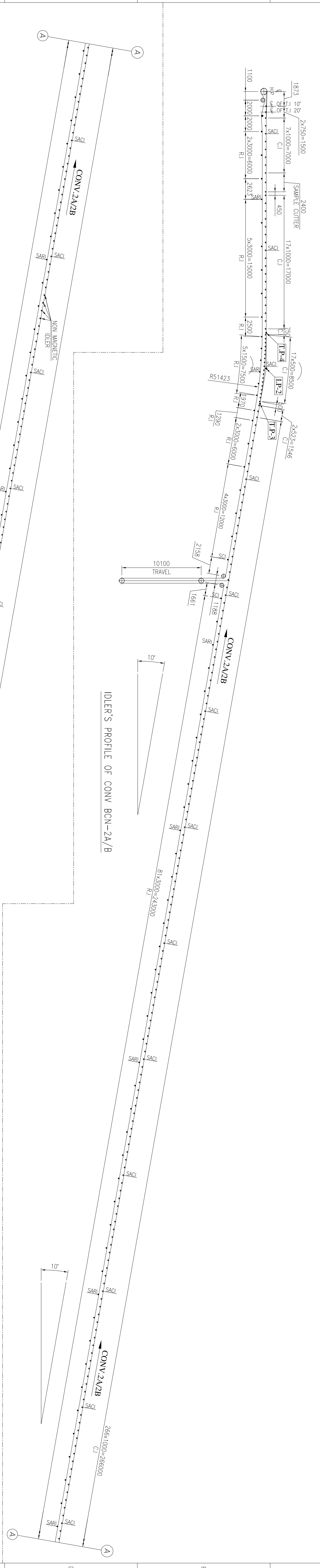
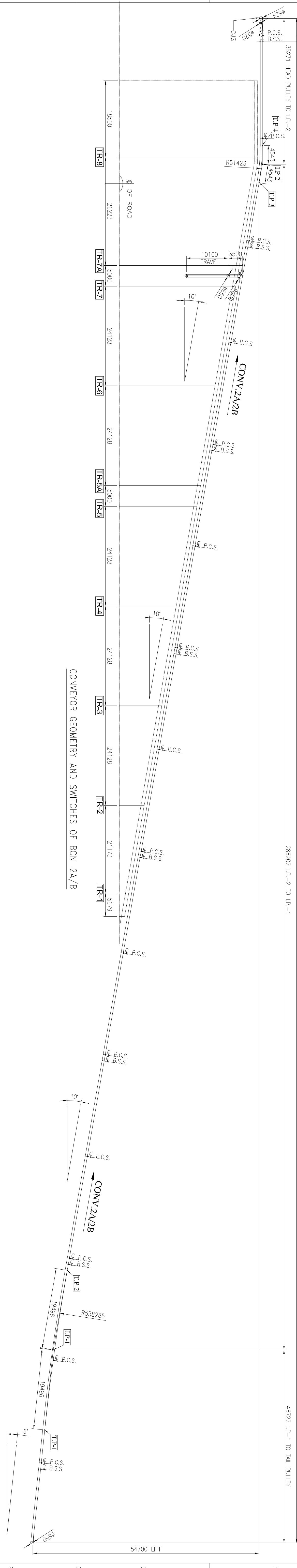
NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1, 2, 3, 5, 6, 7 & 8 OF 8

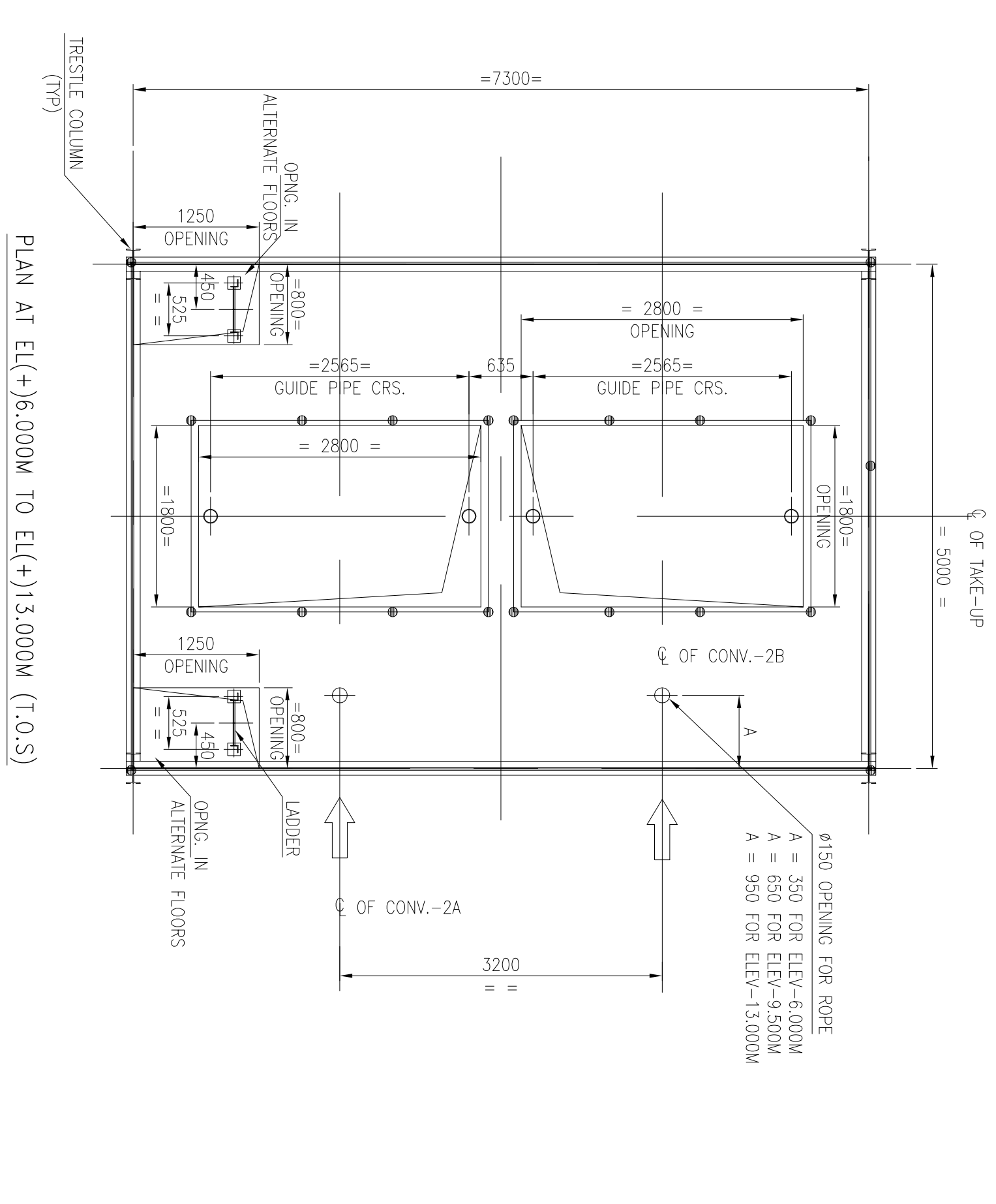
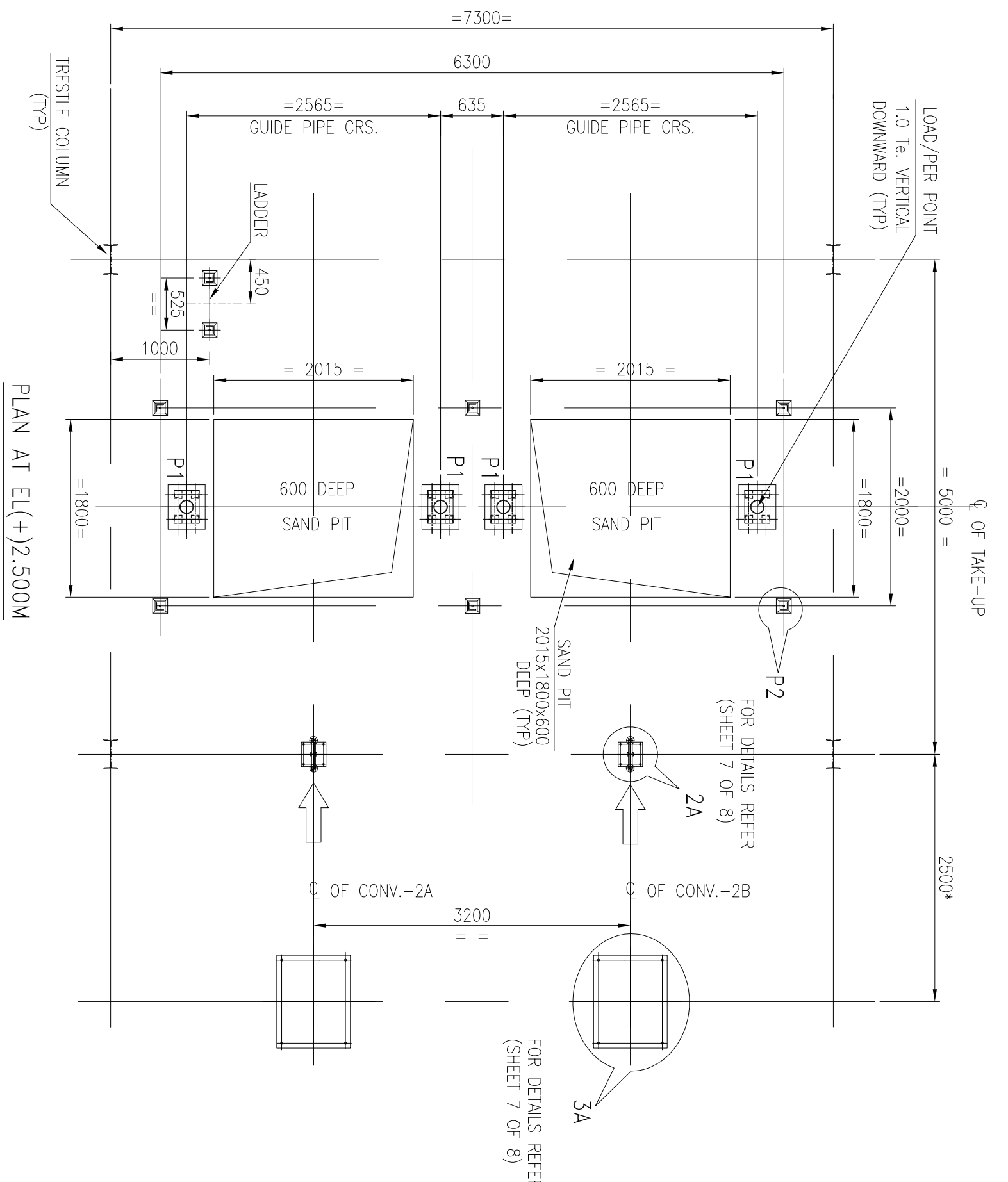
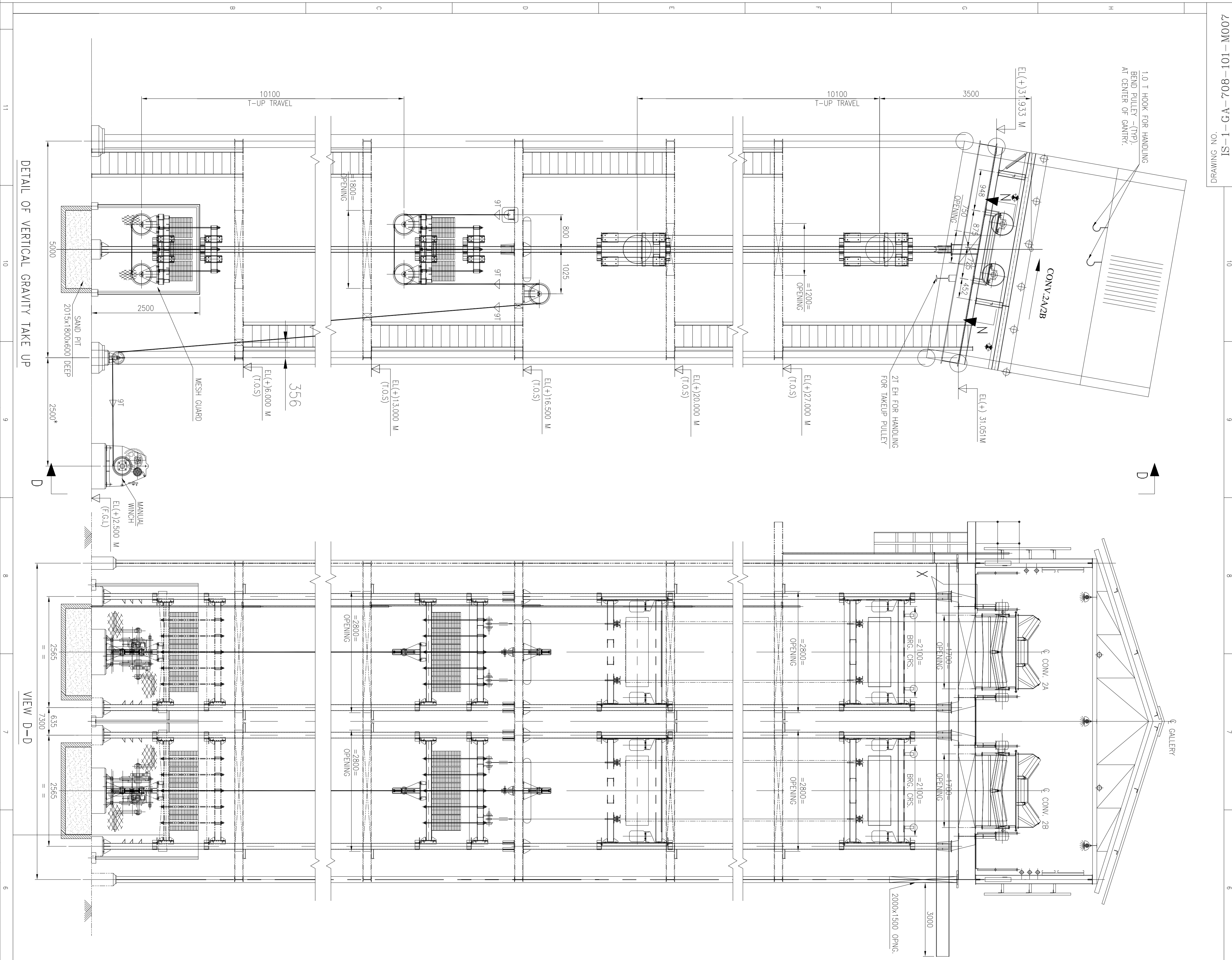
OWNER: ntpc		PROJECT: ROURKELA PP-II EXPANSION PROJECT (1X250 MW)	
CONSULTANT: MECON LIMITED मैकॉन लिमिटेड		CLIENT: NTPC-SAIL POWER COMPANY PVT. LTD.	
DRAWN BY: BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE		CHECKED BY: GA & LOAD DATA OF BCN-2AB (1400 B.W)	
DATE: 06-05-17		NO. OF SHEETS: 4	
SCALE: 1:1		REV: 0	

368895 HDR. PULLEY CRS.

286902 I.P.-2 TO I.P.-1

46722 I.P-1 TO TAIL PULLEY





NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1, 2, 3, 4, 5, 7 & 8 OF 8

OWNER

CONSULTANT

OWNER

CONSULTANT

TITLE :
GA & LOAD DATA OF BCN-2AB (1400 B.W)

DRN. S.J.

CHKD. RSP

APP. VSD

NAME

SIGN.

DATE

NO. OF SHEETS

8

NO. OF SHEETS

6

REV.

0

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

OWNER

CONSULTANT

MECON LIMITED

भारत भार्ति

BHARAT HEAVY ELECTRICALS LTD

INDUSTRIAL SYSTEMS GROUP,

BANGALORE

BRIEF RECORD

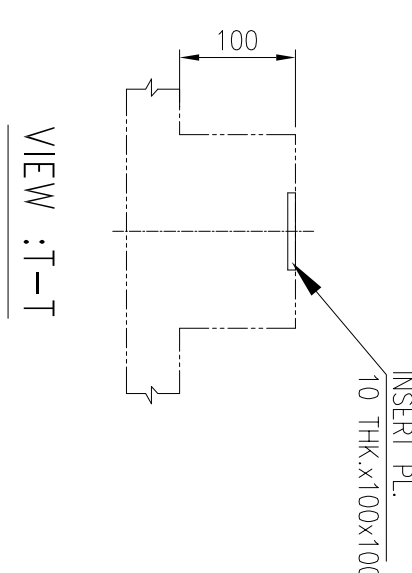
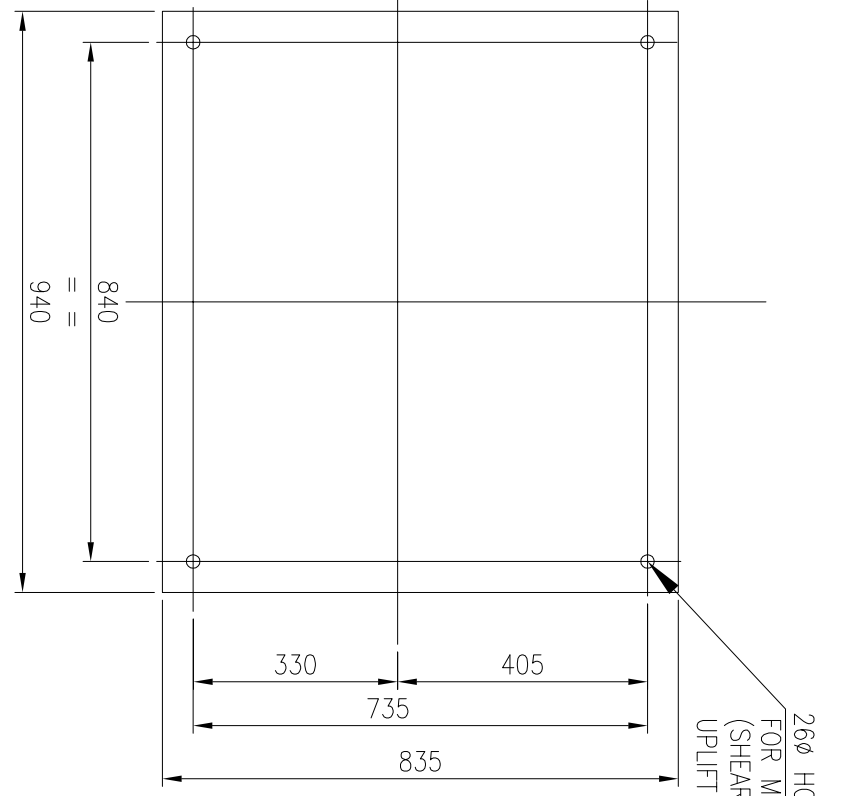
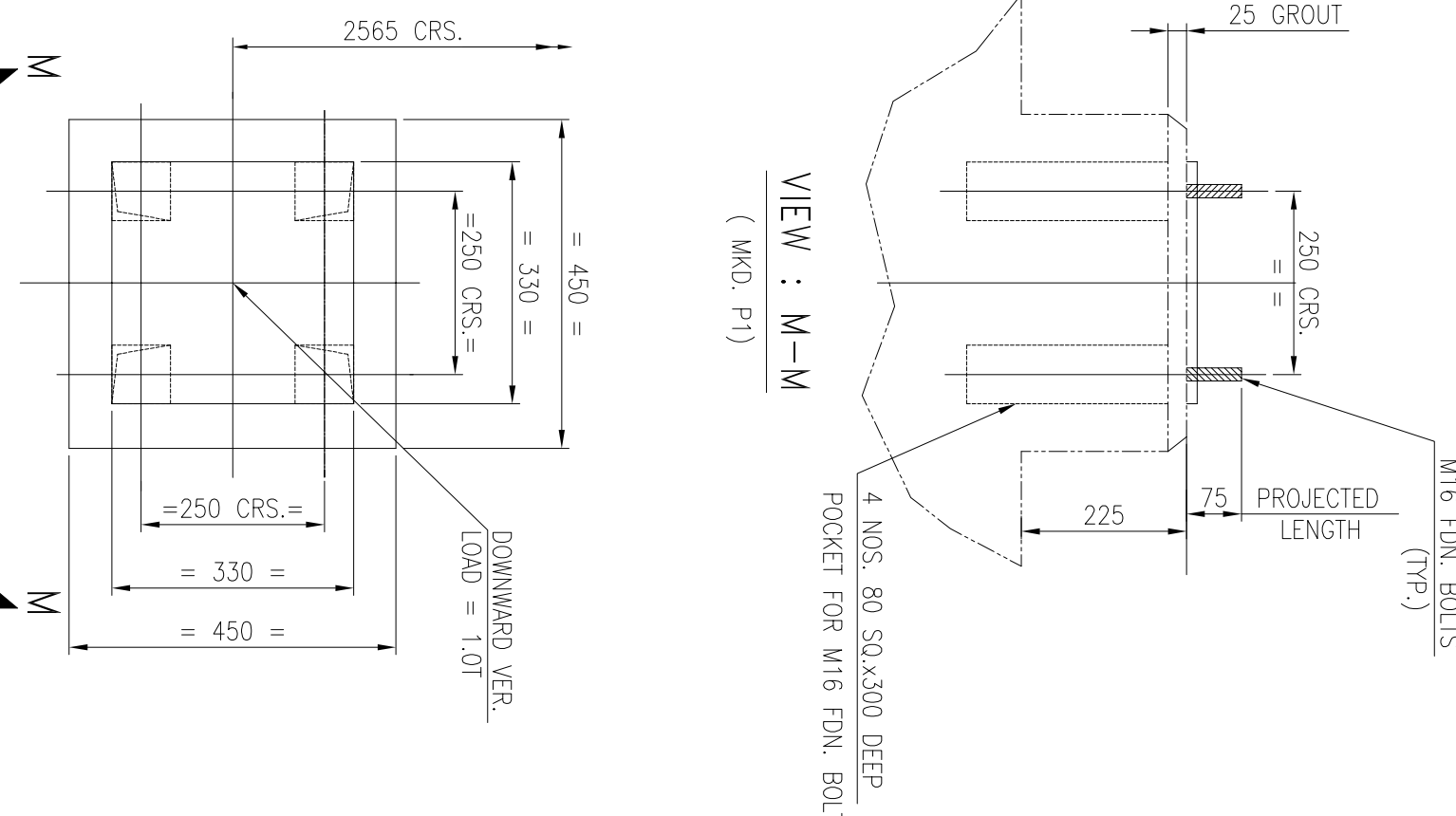
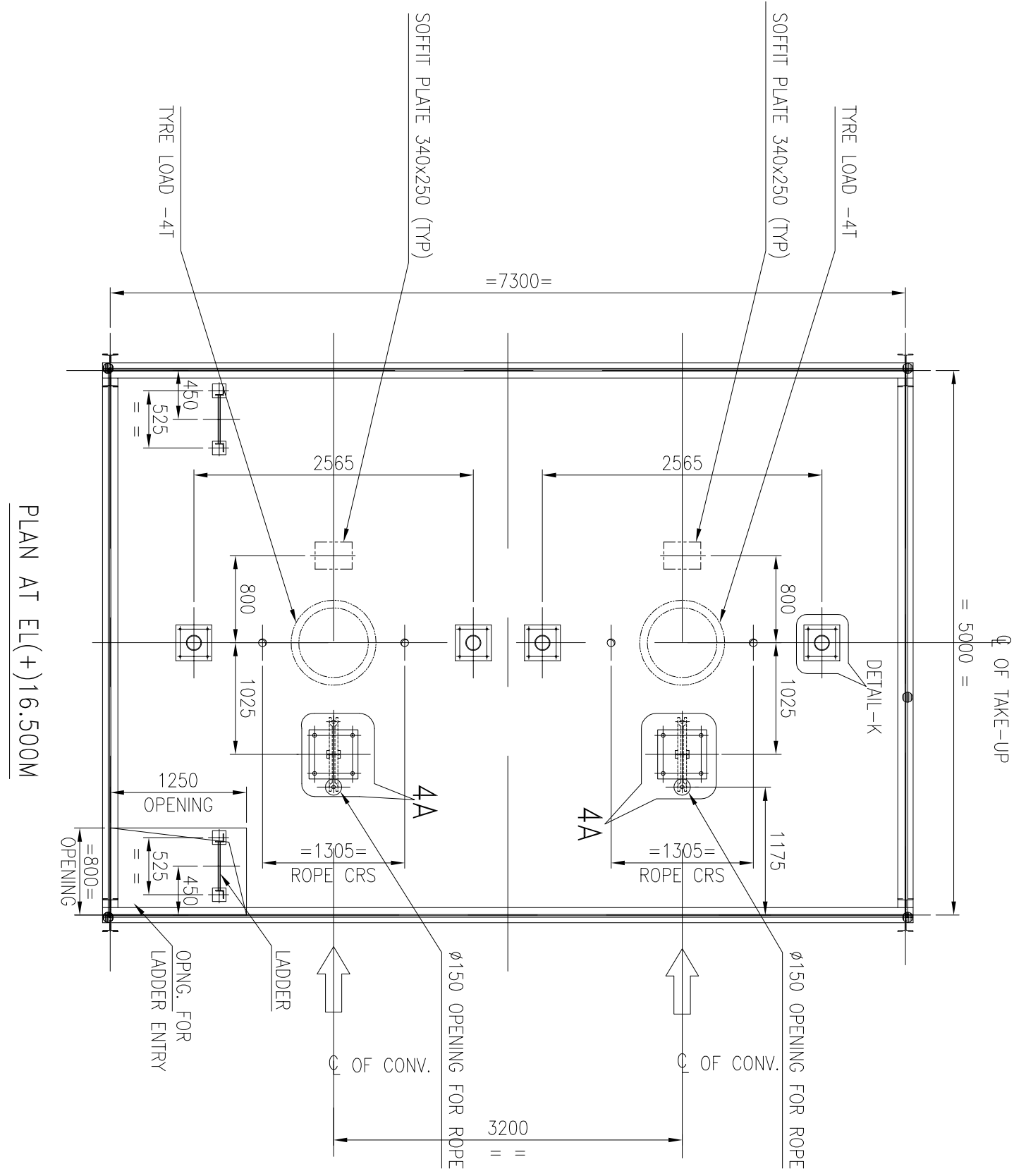
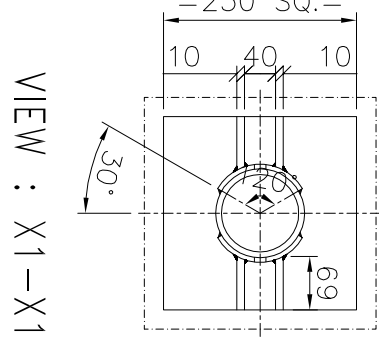
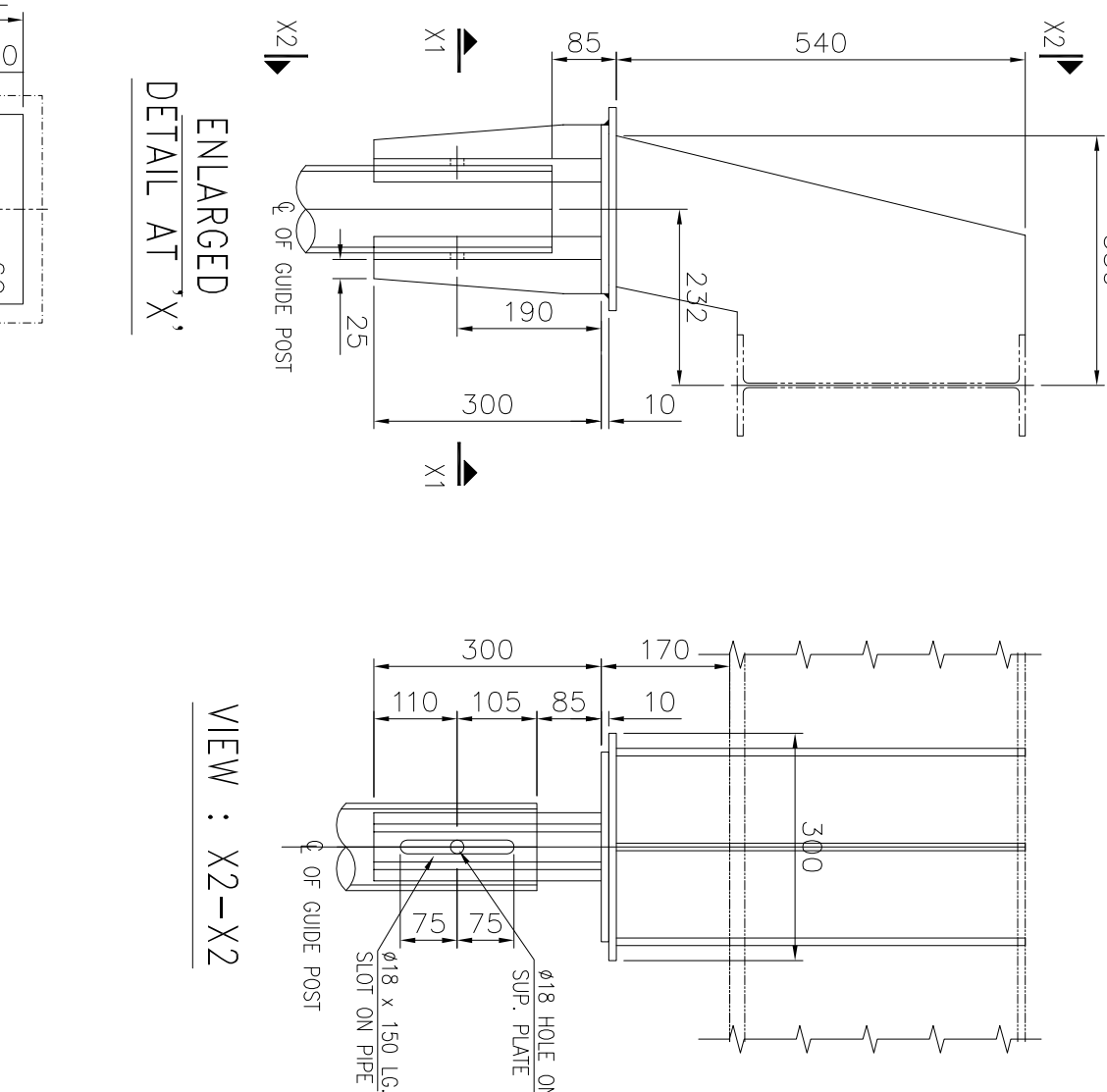
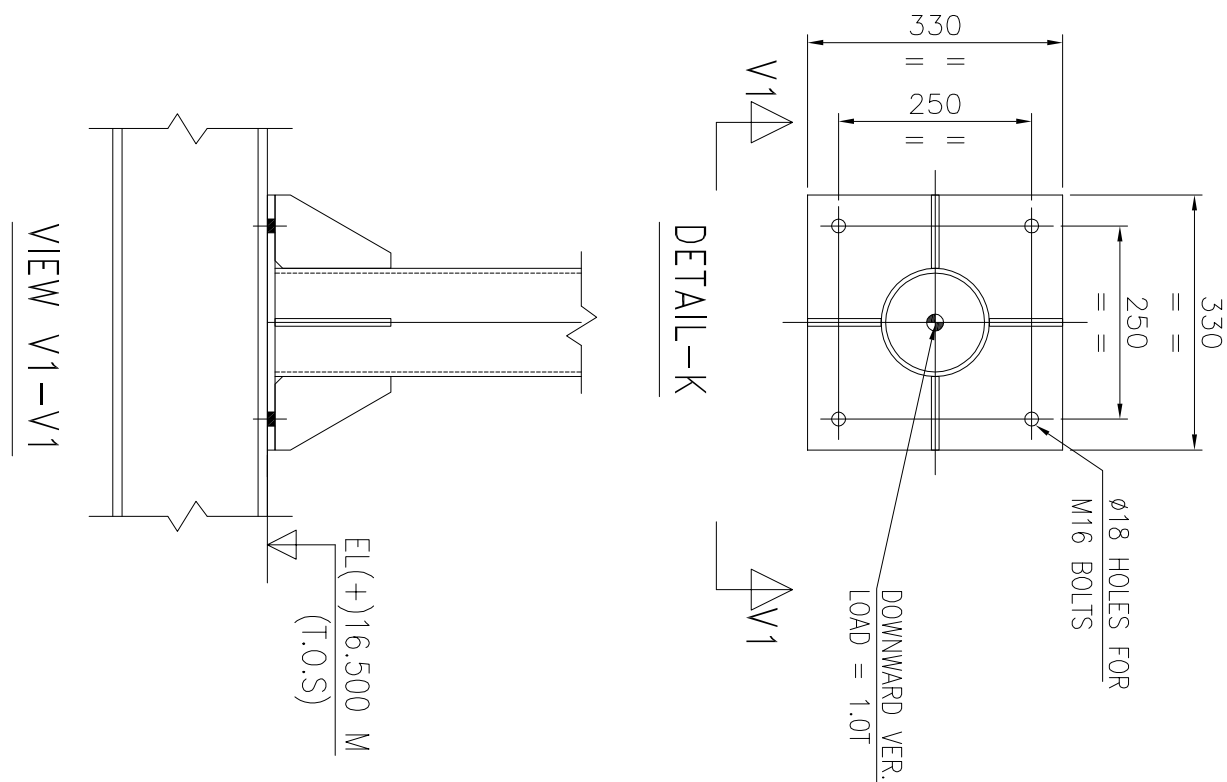
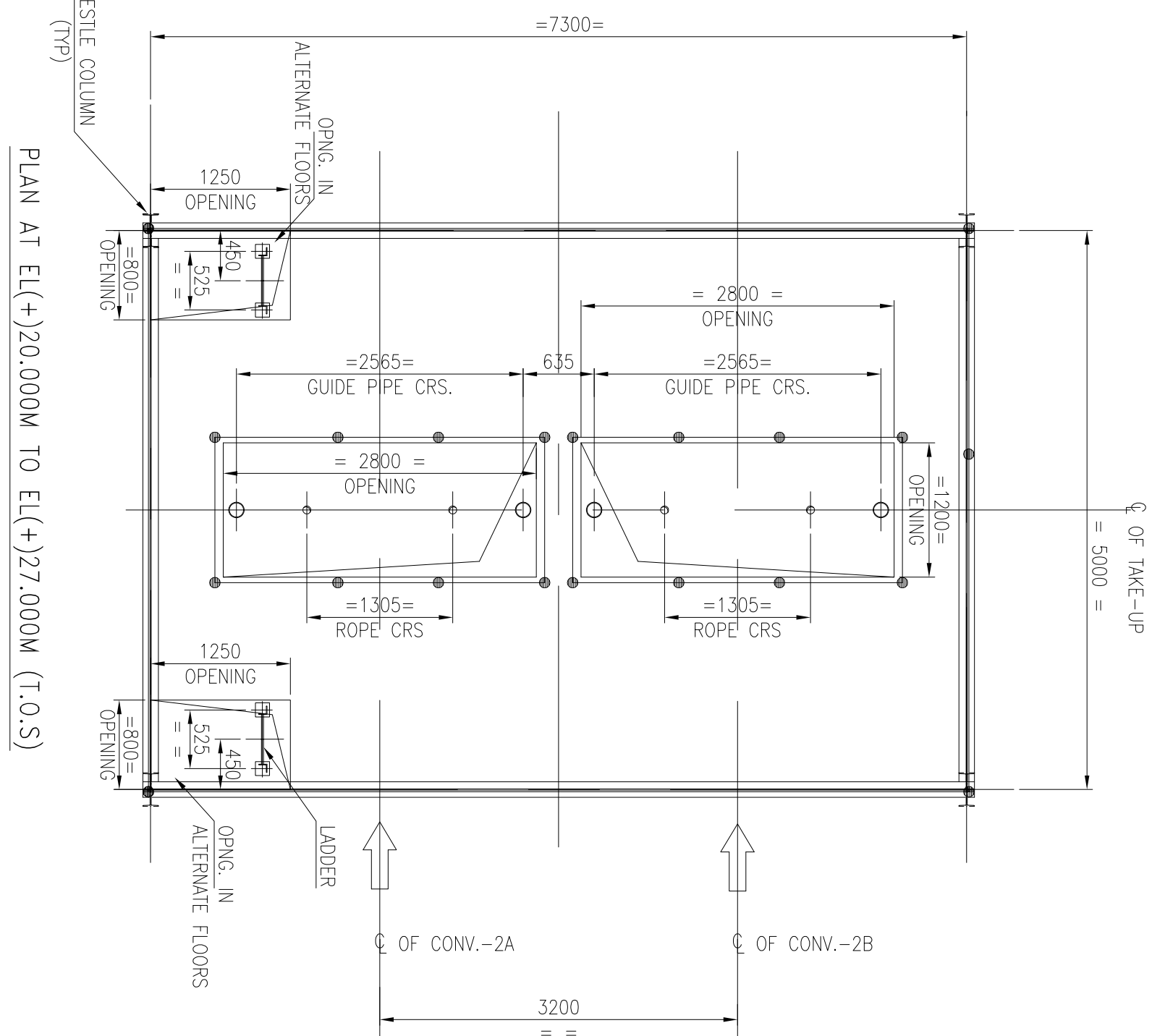
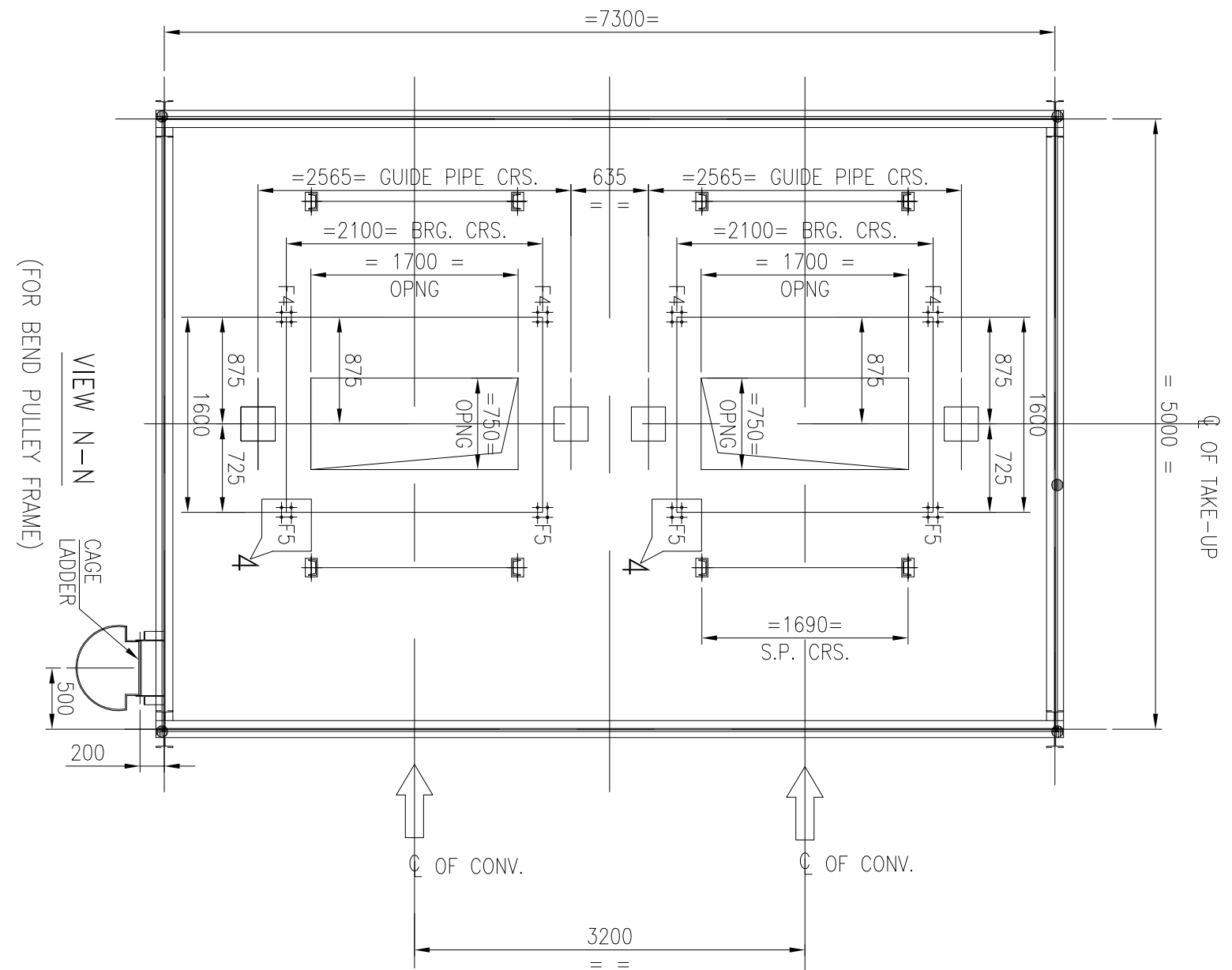
SCALE

BHEL JOB NO.

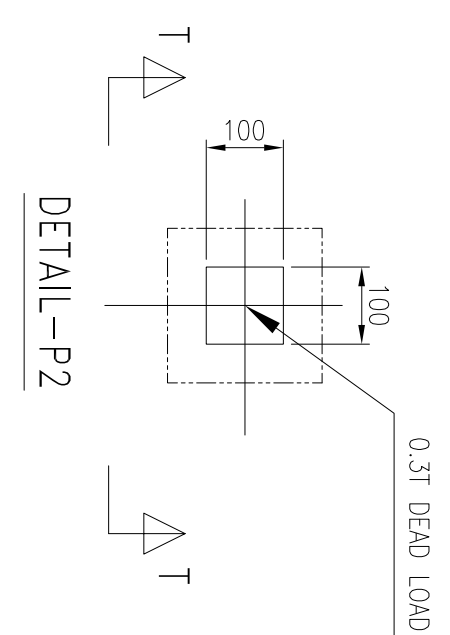
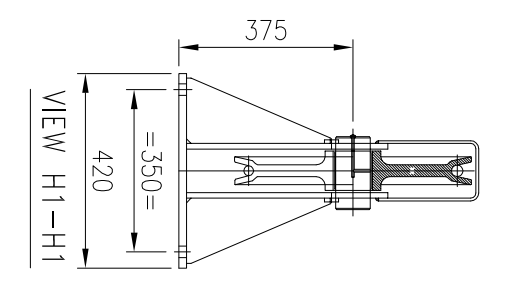
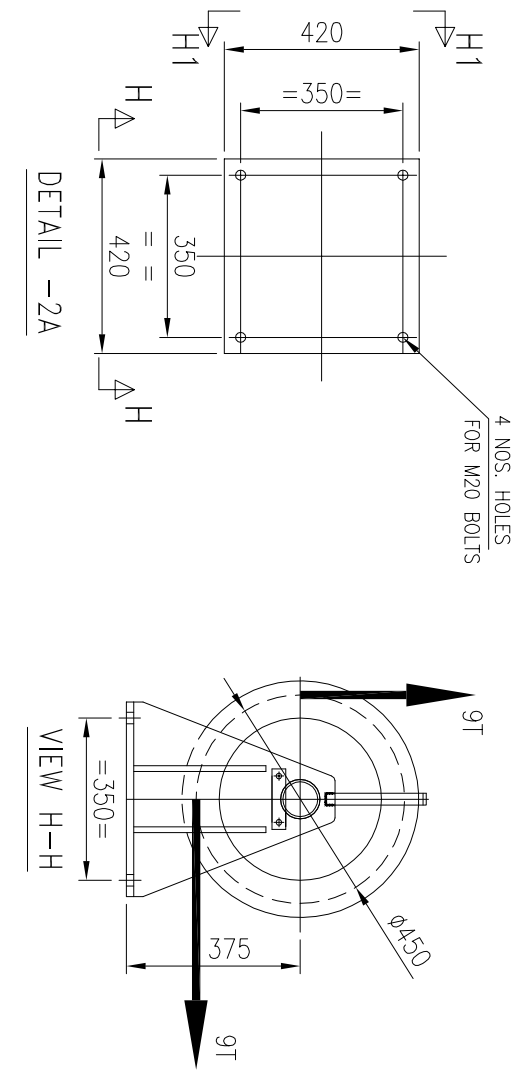
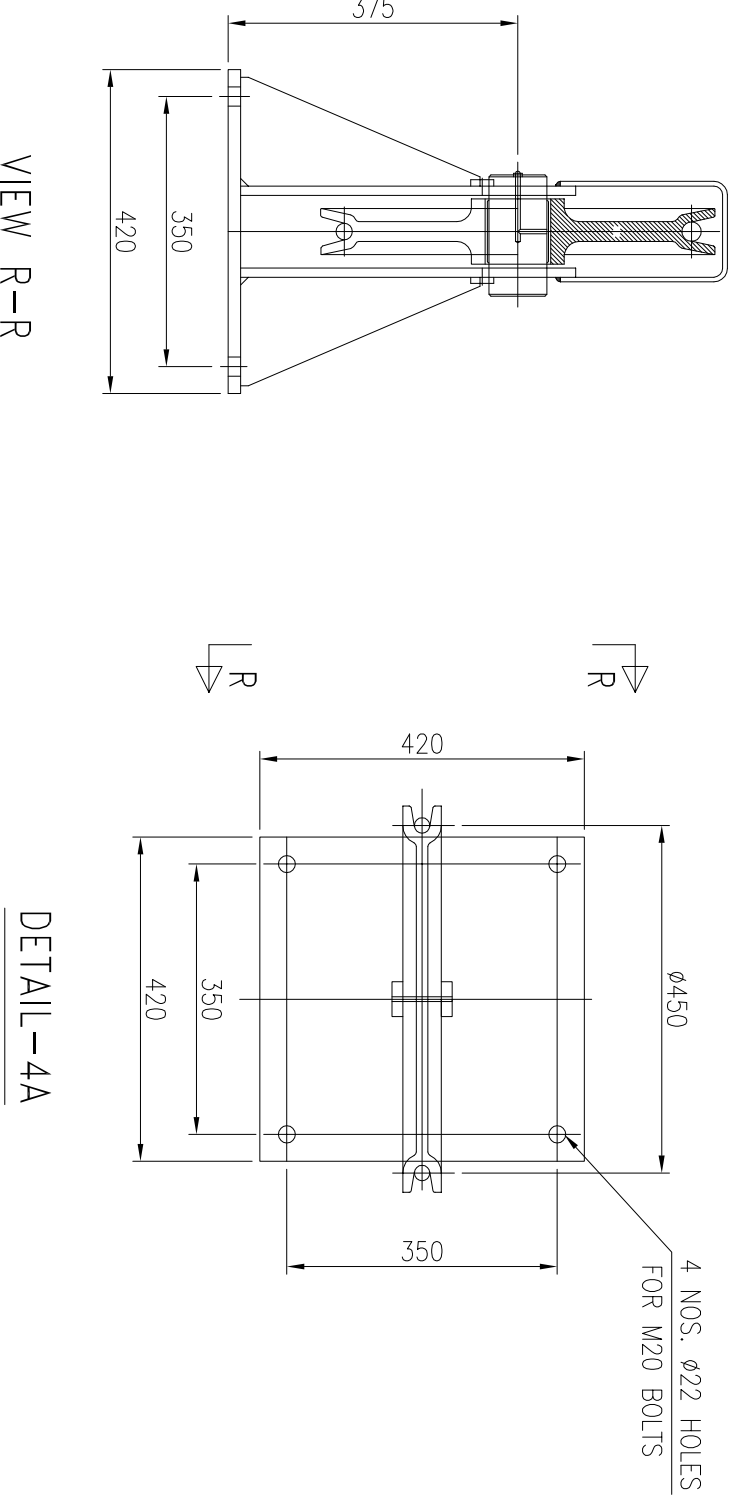
BHEL-RSG IS-1-GA-708-101-M007

DRG. NO.

0



DETAIL OF PEDESTAL
MKD. P1
(FOR TAKE-UP GUIDE RODS)



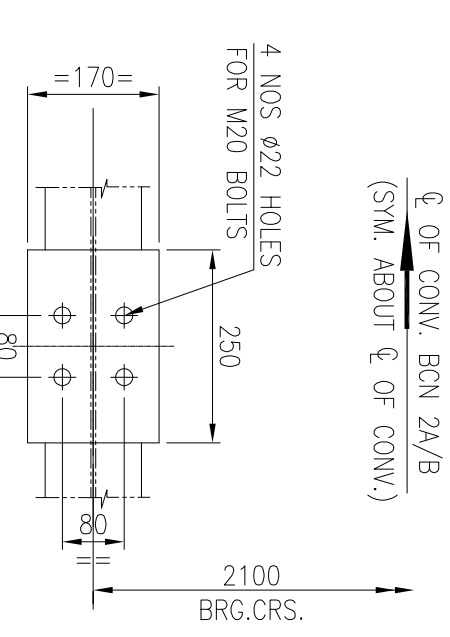
NOTES:-
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1 TO 6 OF 8 & 8 OF 8

LOAD TABLE (FOR BEND PULLEY FRAME)

POINTS	NOS.	VERTICAL LOAD(T) DEAD LOAD BELT PULL	HORIZONTAL LOAD(T)
F4	2	1.5T	7.5T
F5	2	1.5T	7.5T

SIGN CONVENTION
(V) VERTICAL LOAD :
(H) HORIZONTAL LOAD :
(R) REVERSIBLE LOAD :
ALL LOADS ARE ACTING AT TOP OF PEDESTAL

DETAIL-4



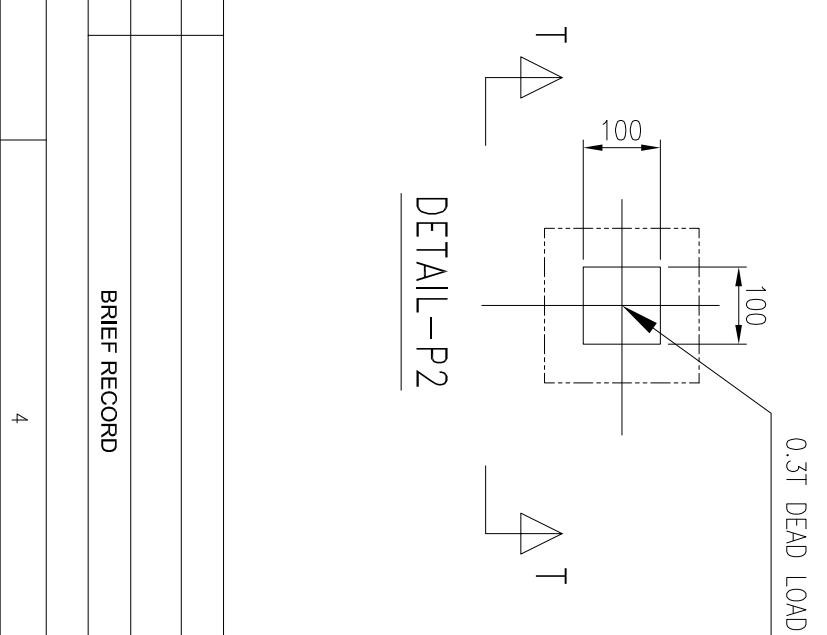
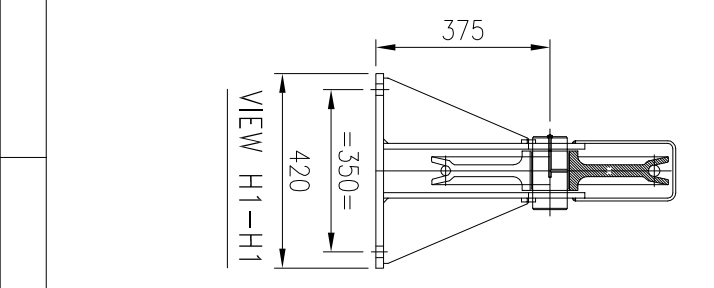
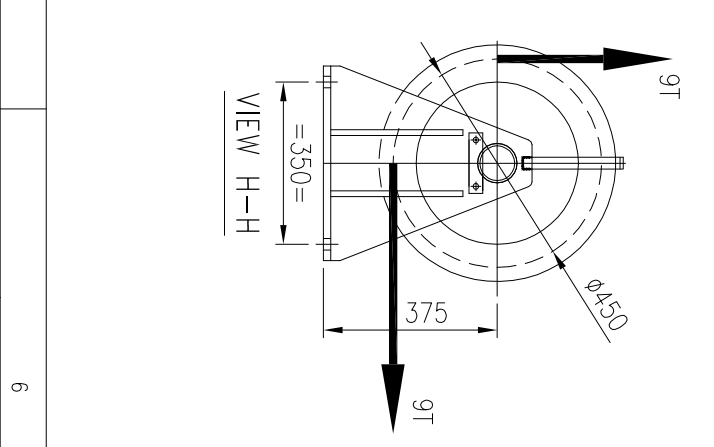
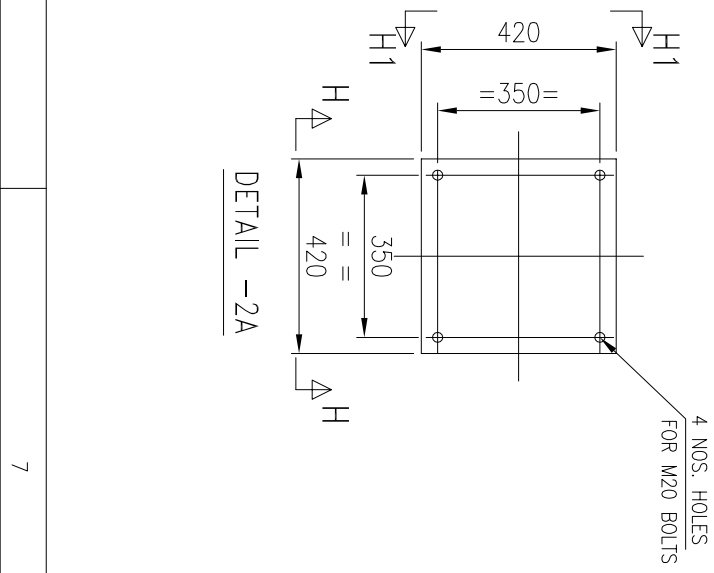
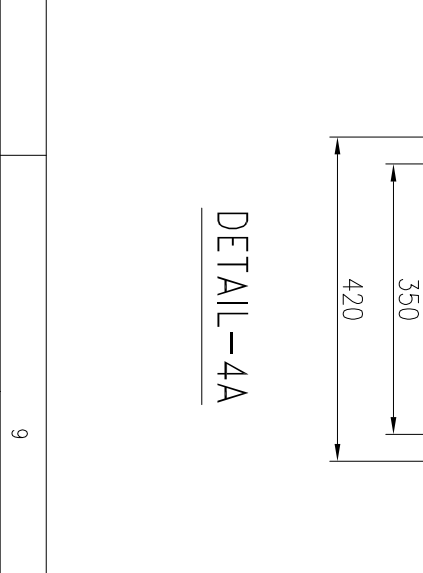
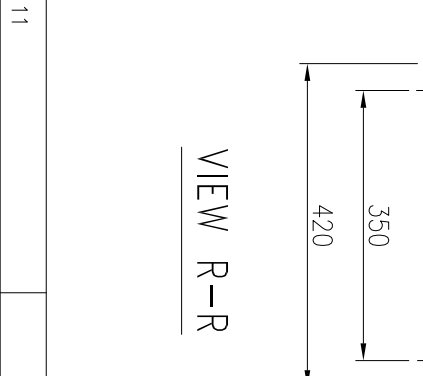
OWNER:
CONSULTANT:
MECON LIMITED
भारत भारति
BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

PROJECT:
ROURKELA PP-II EXPANSION
PROJECT (IX250 MW)
NTPC-SAIL POWER COMPANY PVT. LTD.

TITLE:
GA & LOAD DATA OF BCN-2AB (1400 B.W)

SCALE:
BHEL JOB NO.
BHEL-RSG
DRG. NO.:
IS-1-GA-708-101-M007

NO. OF SHEETS: 7
SHEET: 7
REV: 0



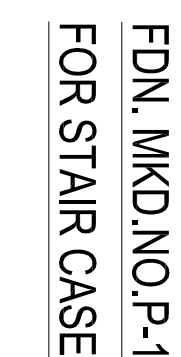
OWNER:
CONSULTANT:
MECON LIMITED
भारत भारति
BHARAT HEAVY ELECTRICALS LTD
INDUSTRIAL SYSTEMS GROUP,
BANGALORE

PROJECT:
ROURKELA PP-II EXPANSION
PROJECT (IX250 MW)
NTPC-SAIL POWER COMPANY PVT. LTD.

TITLE:
GA & LOAD DATA OF BCN-2AB (1400 B.W)

SCALE:
BHEL JOB NO.
BHEL-RSG
DRG. NO.:
IS-1-GA-708-101-M007

NO. OF SHEETS: 7
SHEET: 7
REV: 0

SIZE-A1