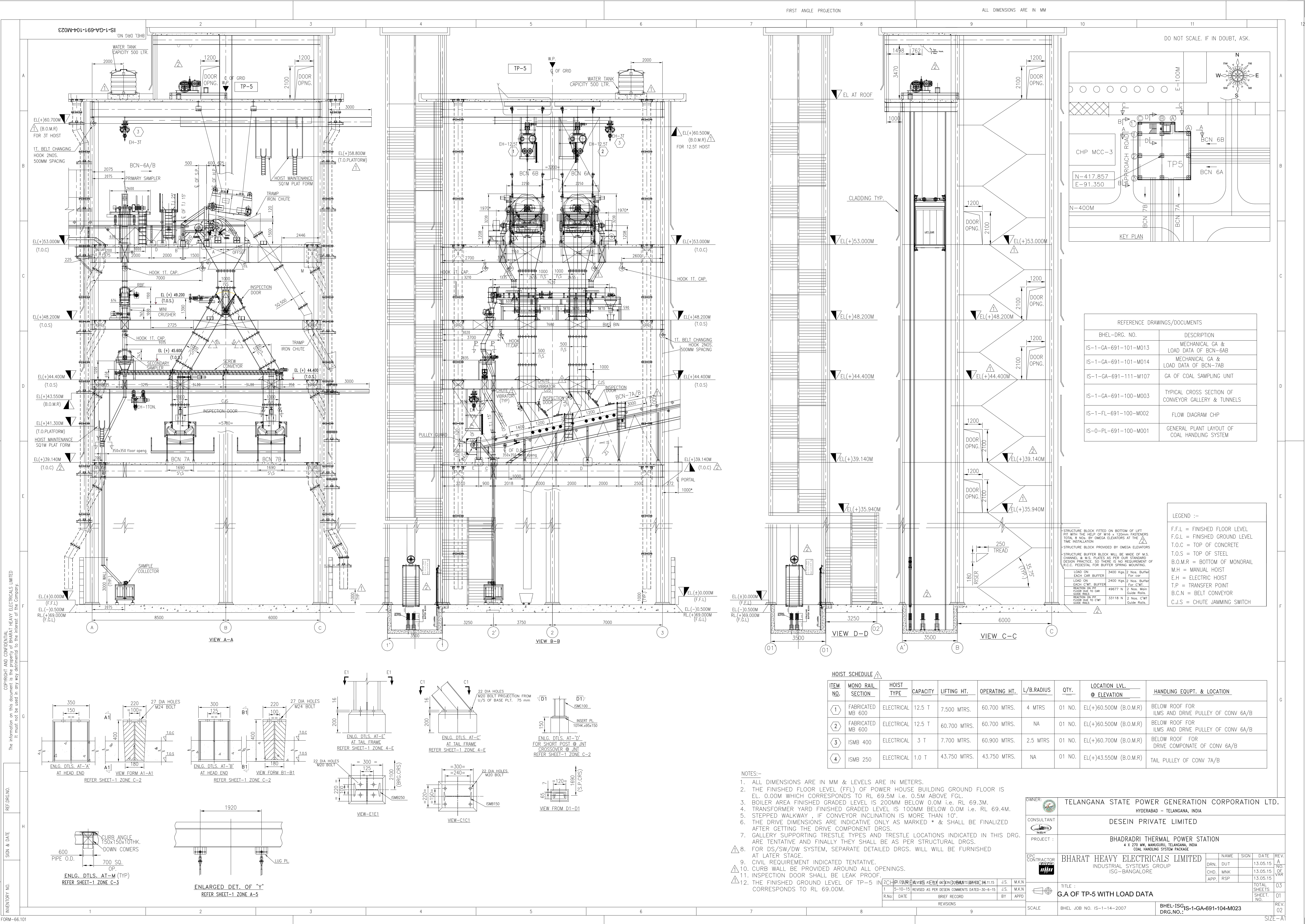
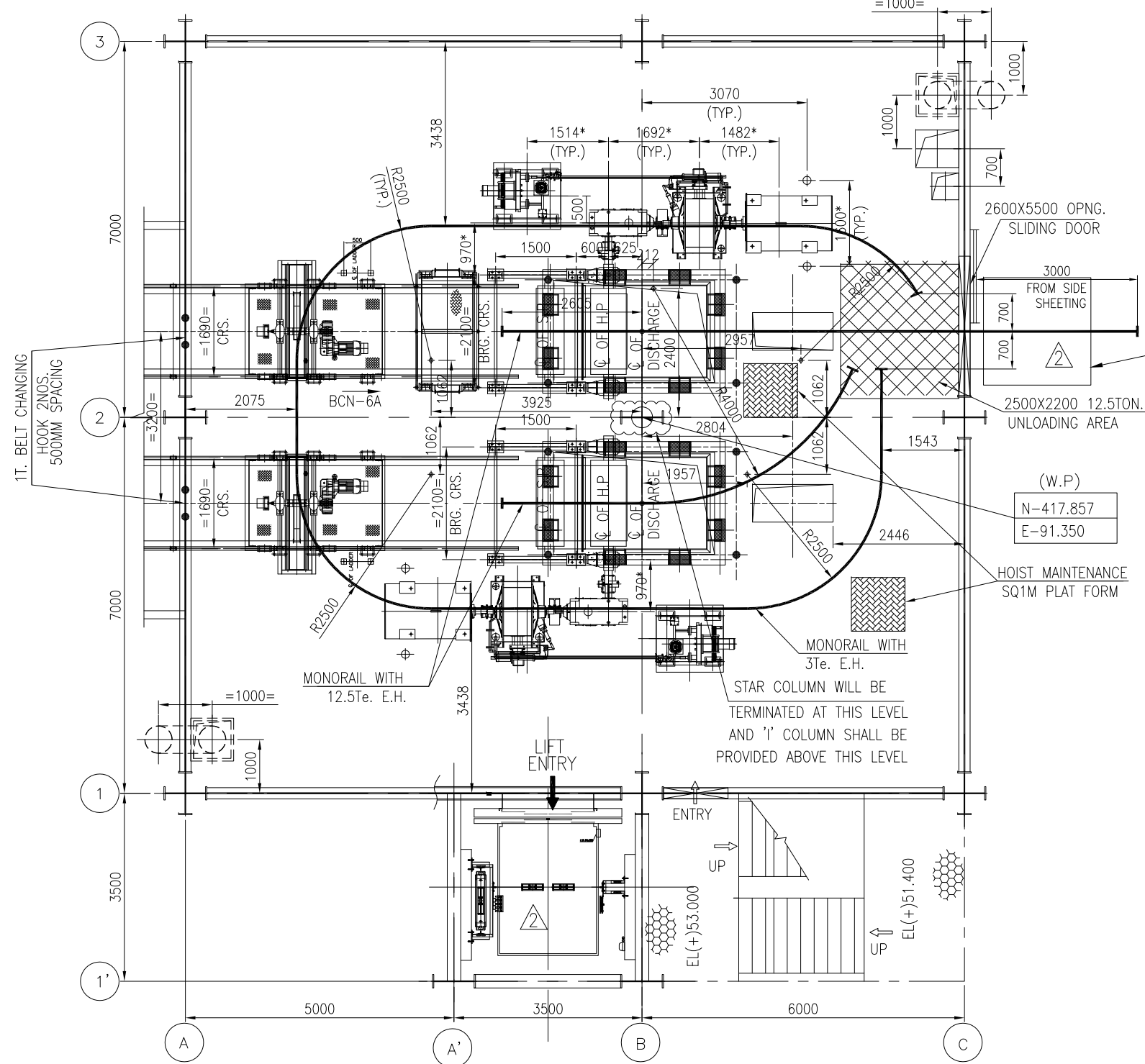
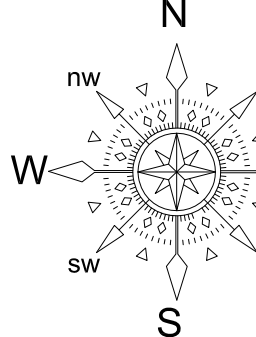




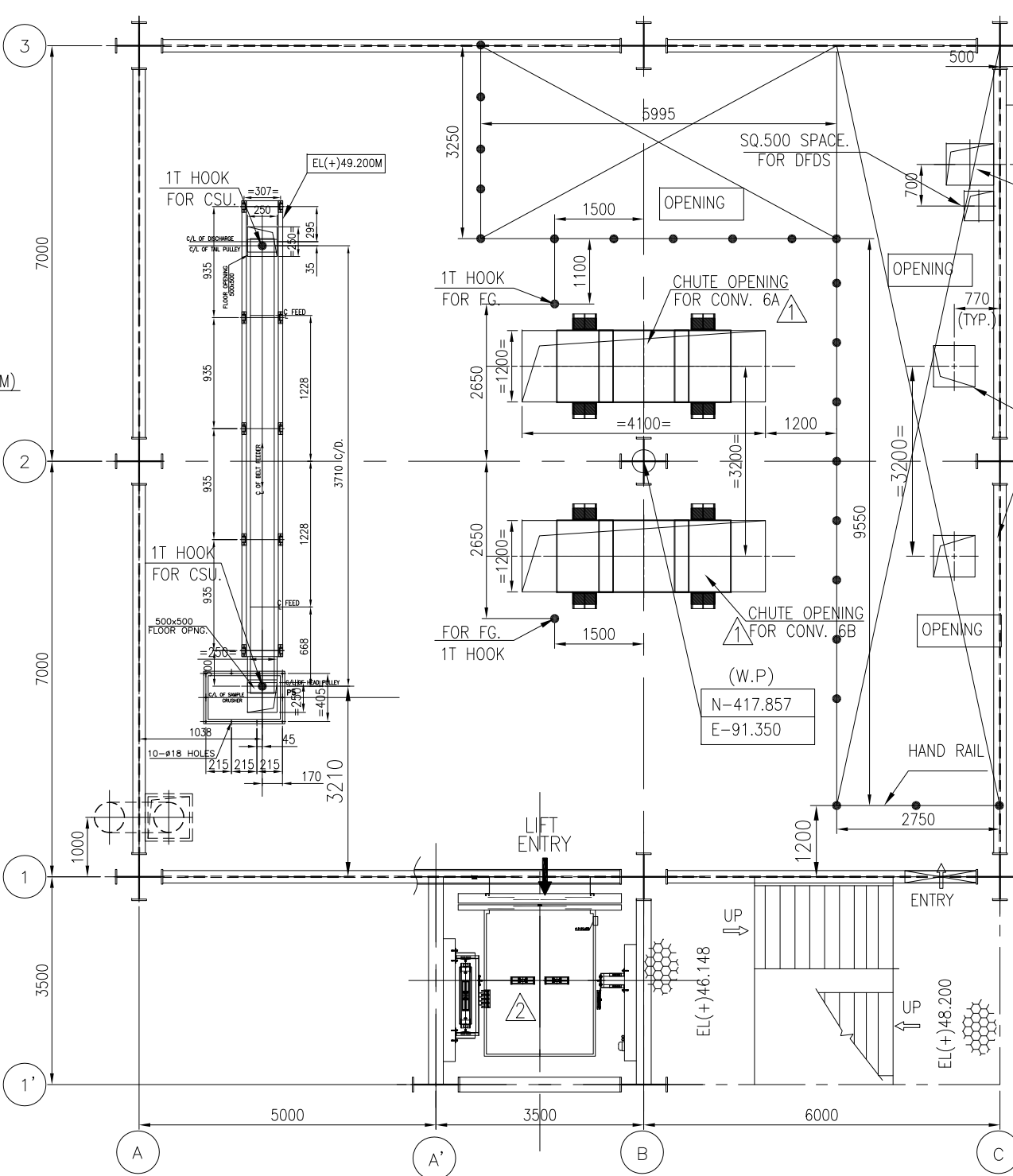
SI-1-GA-691-104-M023

BHEL DRG NO.

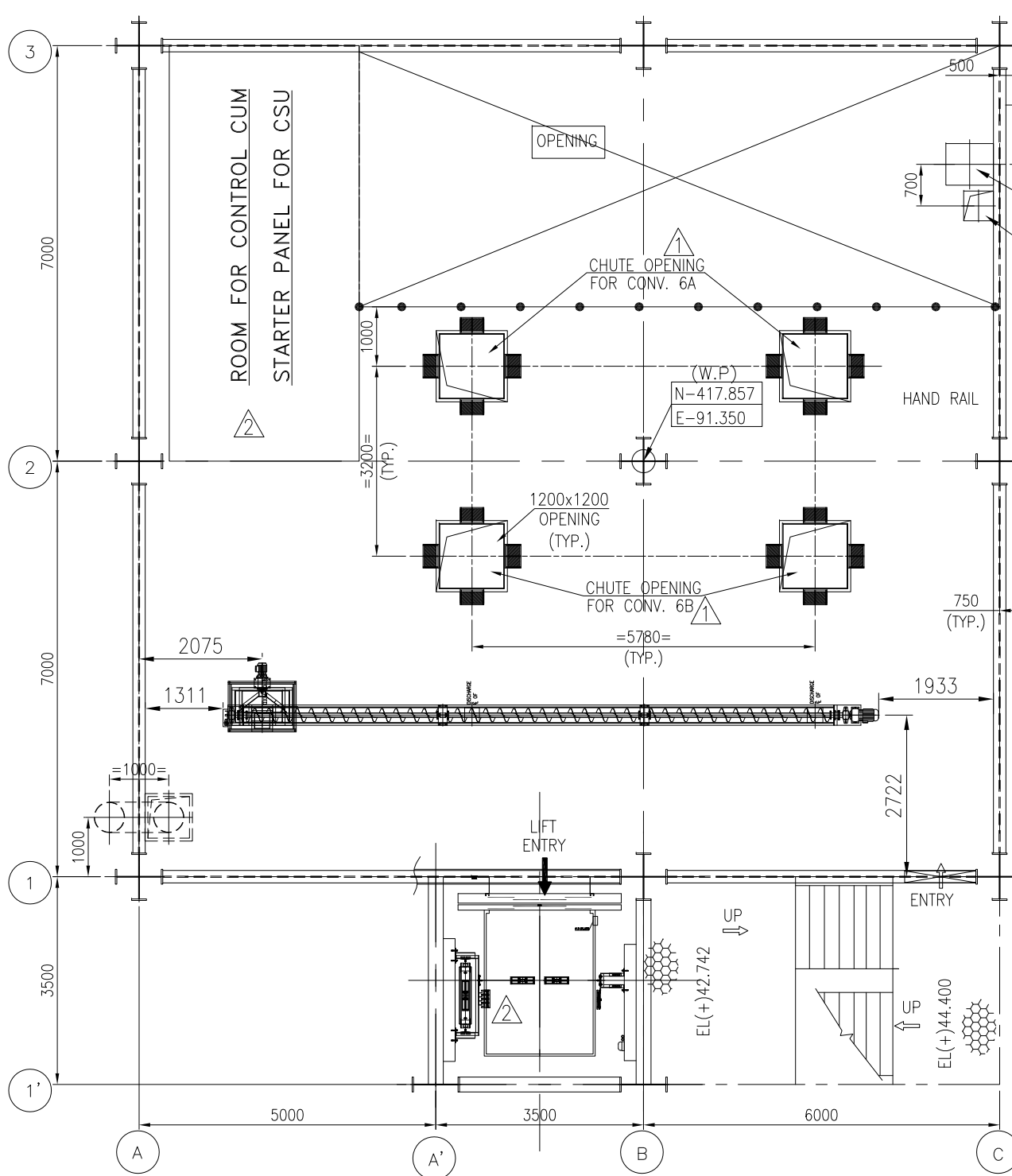
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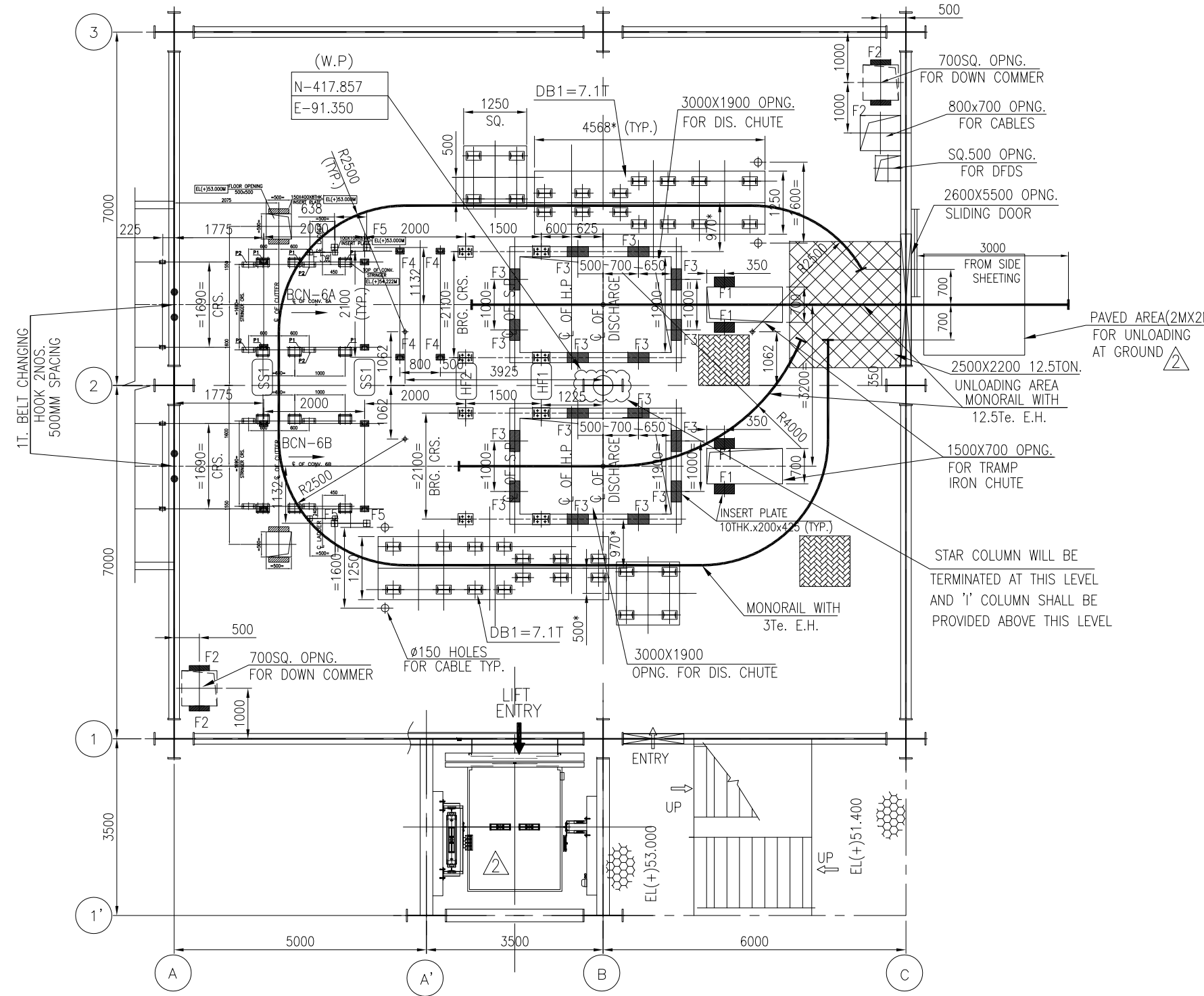
PLAN AT EL(+53.000M (T.O.C) MACHINERY PLAN



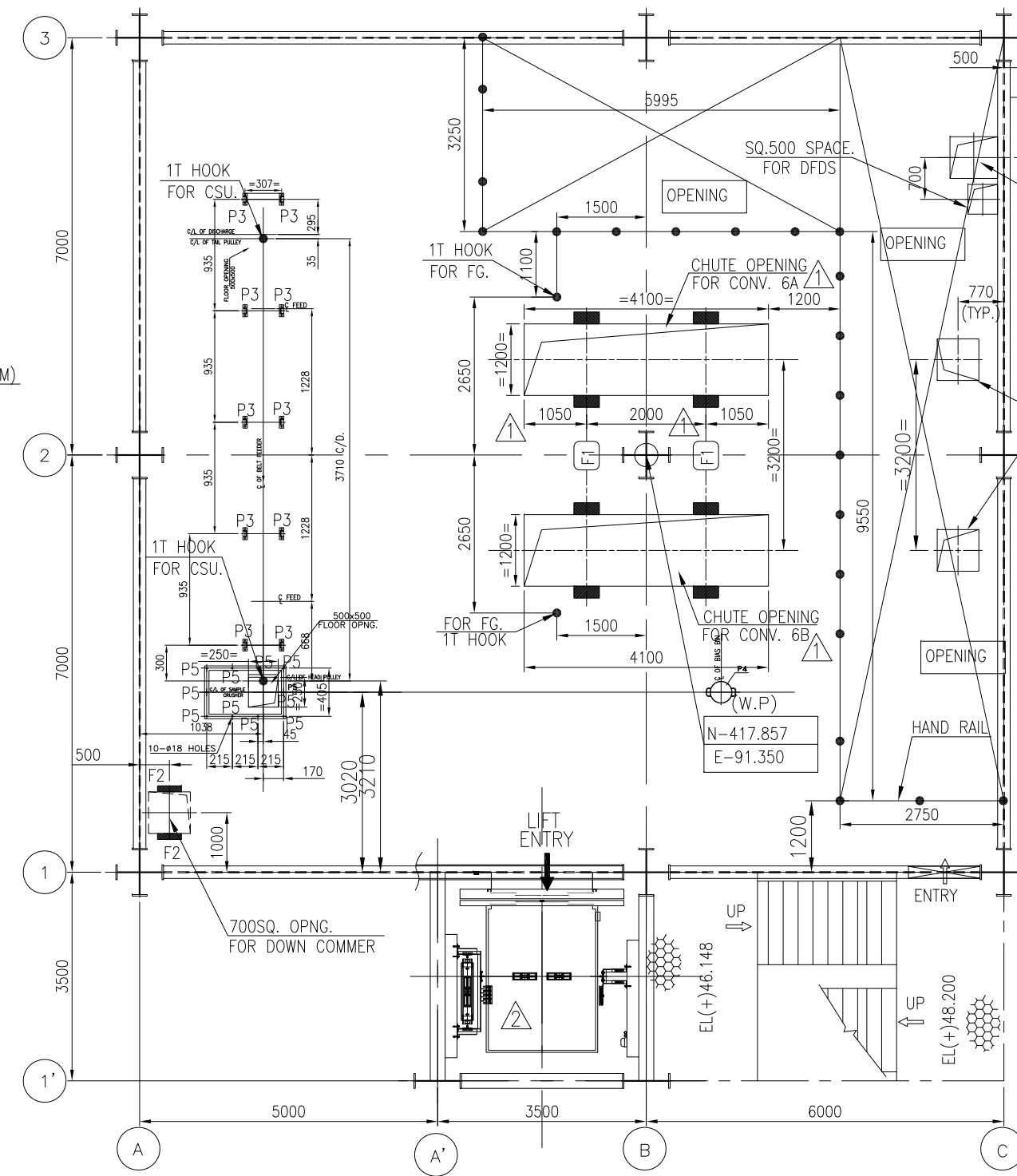
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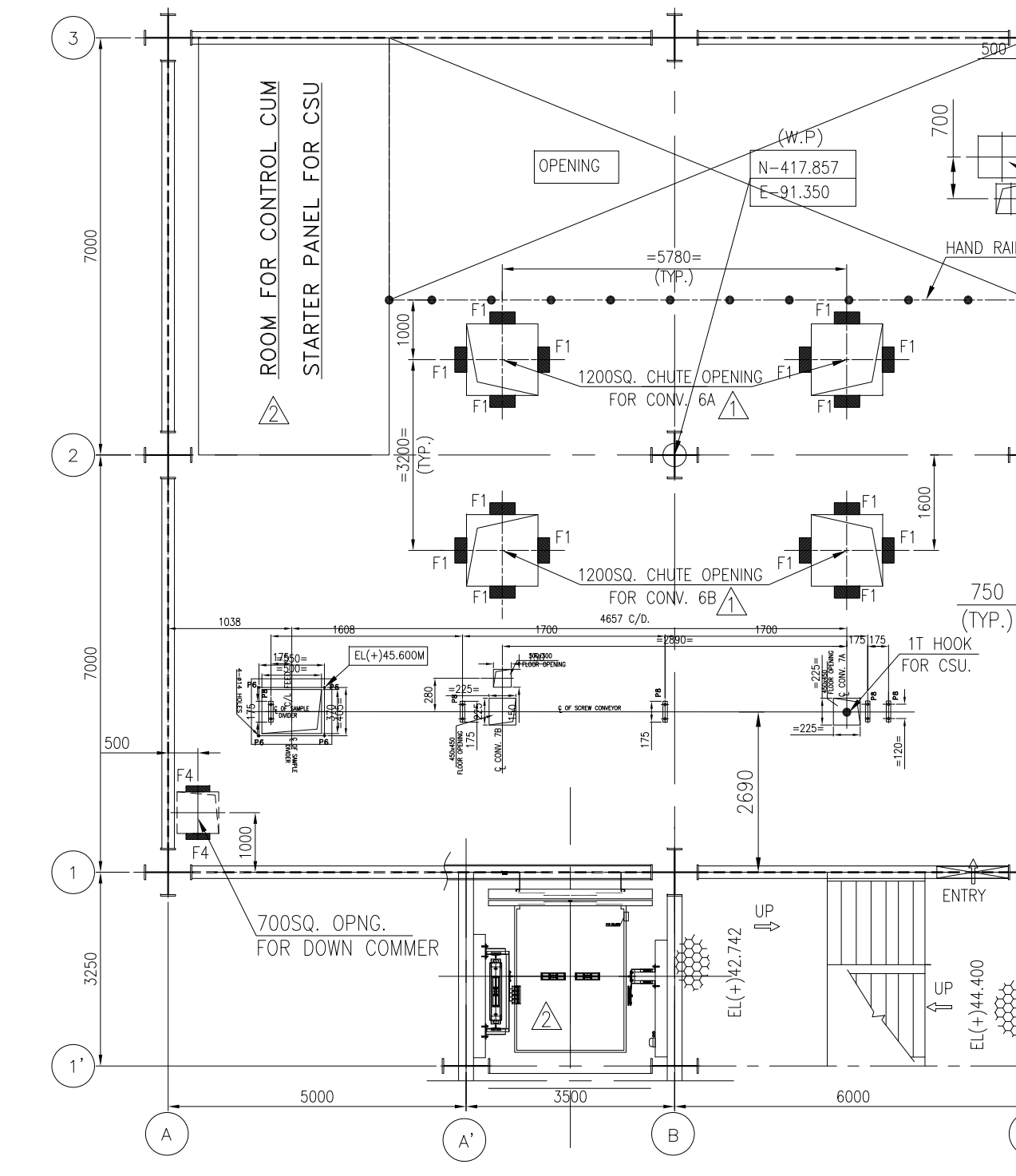
PLAN AT EL(+44.400M (T.O.S) MACHINERY PLAN



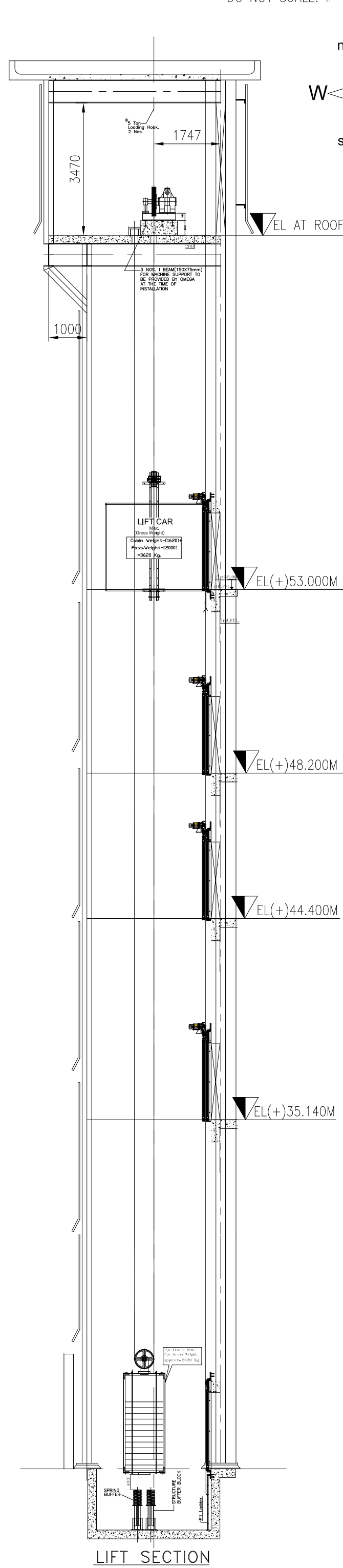
PLAN AT EL(+53.000M (T.O.C) FOUNDATION PLAN



PLAN AT EL(+48.200M (T.O.S) FOUNDATION PLAN



PLAN AT EL(+44.400M (T.O.S) FOUNDATION PLAN



LIFT SECTION

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It must not be used in any way detrimental to the interest of the Company.

REF.DRGNO.
SIGN & DATE

INVENTORY NO.

EQUIPMENT LOAD DATA PER FOOTINGS (TONNES)

	EL @ ROOF	EL(+53.000M								EL(+48.200M				EL(+44.400M				EL(+39.000M				EL(±0.000M	
	ILMS SUPPORTS	BCN-6AB DRIVE END FOUNDATION	BCN-6AB HOOD	TRAMP IRON CHUTE	SWEPPING CHUTE	CSU LADDER CHUTE	CROSS OVER	SHORT SUPPORT BCN-6A/B	BCN-6A/B CHUTE	SWEPPING CHUTE	CSU BELT FEEDER	CSU MINI CRUSHER	BCN-6A/B CHUTE	SCREW FEEDER FOUNDATION	SECONDARY SAMPLER FOUNDATION	SWEPPING CHUTE	BCN-7AB TAIL END FOUNDATION	SHORT SUPPORT BCN-7A/B	SWEPPING CHUTE	INSERT PL FOR WALKWAY	SAMPLE COLLECTOR		
FOOTING MARKING	F22	HF1	HF2	F3	F1	F2	F5	F4	SS-1	F1	F2	F3	F4	F1	F2	F3	F4	TF1	TF2	SS-1	F1	F10	F1
NO OF FOOTING	8	4	4	16	4	4	4	4	8	8	2	10	6	8	6	4	2	4	4	20	4	8	4
DEAD LOAD	DL	2.5	2.53	0.9	2.5	1.5	0.3	0.3	0.7	2.5	4.1	0.3	0.54	0.2	3.5	0.11	0.2	0.3	1.1	1.1	2.5	0.3	0.3
LIVE LOAD	LL	1.0	0.2	7.00	1.0	-	-	-	0.5	-	-	1.64	0.64	-	0.11	0.2	-	0.2	0.2	1.0	-	-	-
BELT PULL	Hx(Starting)	-	7.9	7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hx(Running)	-	6.56	5.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vy ±(Starting)	-	-11.65	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vy ±(Running)	-	-9.71	10.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES FOR LOAD DATA DIRECTION:
1. (-) SYMBOL -VE IMPLIES VERTICAL UPWARD FORCE AND +VE IMPLIES VERTICAL DOWN WARD FORCE
2. DIRECTION OF HORIZONTAL LOADS AS INDICATED IN THE TABLE SHALL READ IN CONJUNCTION WITH THE RESPECTIVE PLAN VIEW ALONG THE CONVEYOR.

- NOTES:-
1. FOR GENERAL NOTES REFER SHEET 1 OFF 3.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1 OFF 3 & 3 OFF 3.

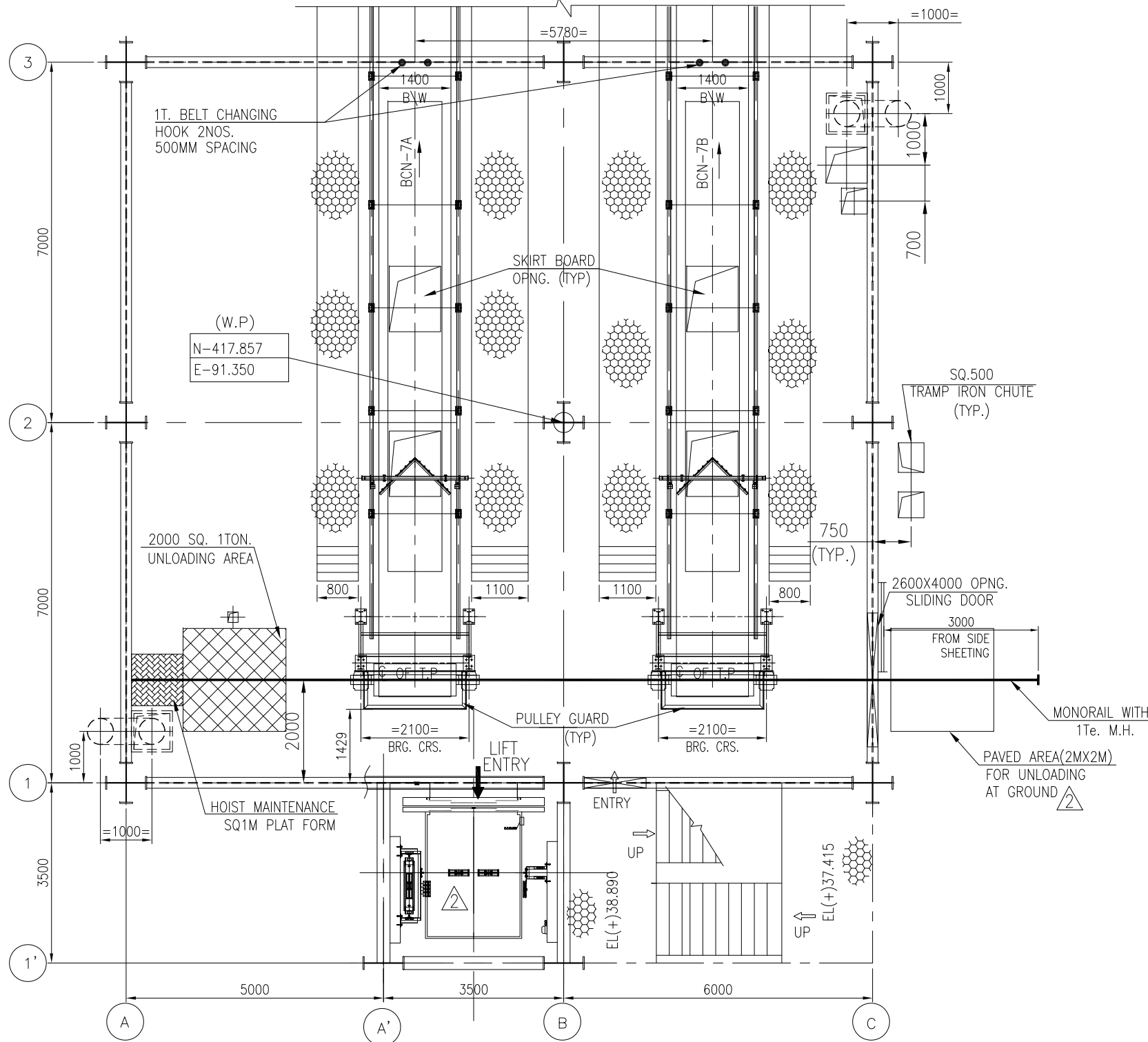
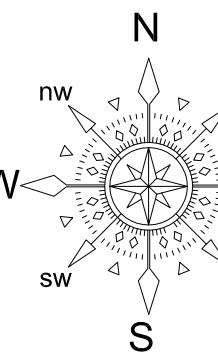
OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD.										
CONSULTANT	DESEIN PRIVATE LIMITED										
PROJECT :	BHADRADRI THERMAL POWER STATION 4 X 270 MW, MANUSIRU, TELANGANA, INDIA COAL HANDLING SYSTEM PACKAGE										
EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE										
TITLE :	G.A OF TP-5 WITH LOAD DATA										
SCALE	BHEL JOB NO. IS-1-14-2007										
BHEL-ISO	DRG.NO.:										

2	01.05.16	REVISED AS PER DESEIN COMMENTS DATED: 06.11.15	J.S.	M.K.N.
1	5-10-15	REVISED AS PER DESEIN COMMENTS DATED: 30-8-15	J.S.	M.K.N.
RNG	DATE	BRIEF RECORD	BY	APPD
REVISIONS				

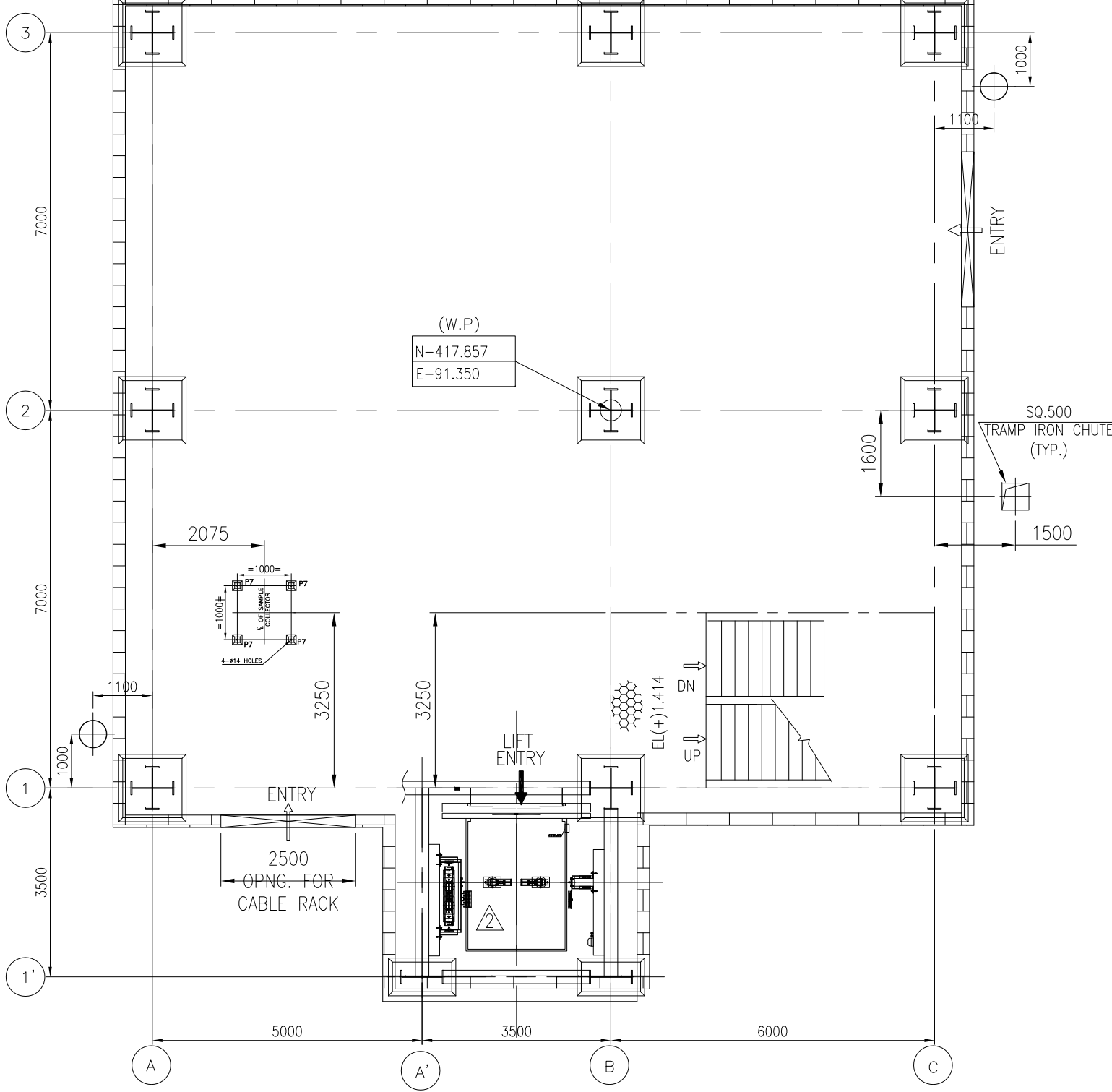
NAME	SIGN	DATE	REV.
DRN.	DUT	13.05.15	A
CHD.	MNK	13.05.15	B
APP.	RSP	13.05.15	C
TOTAL SHEETS			03
SHEET NO.			02

CZOW+101-169-VG-1-SI

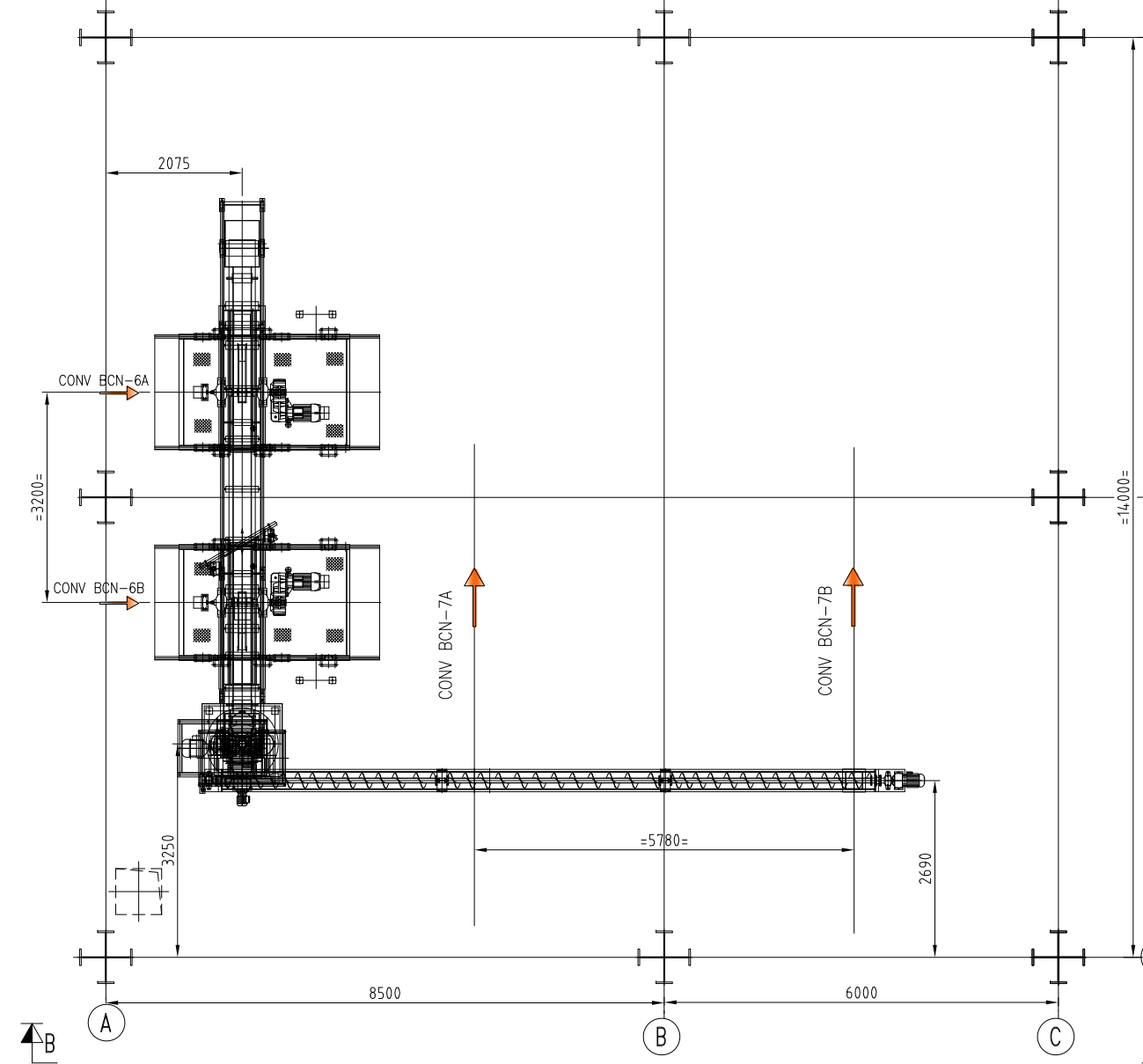
DO NOT SCALE. IF IN DOUBT, ASK.



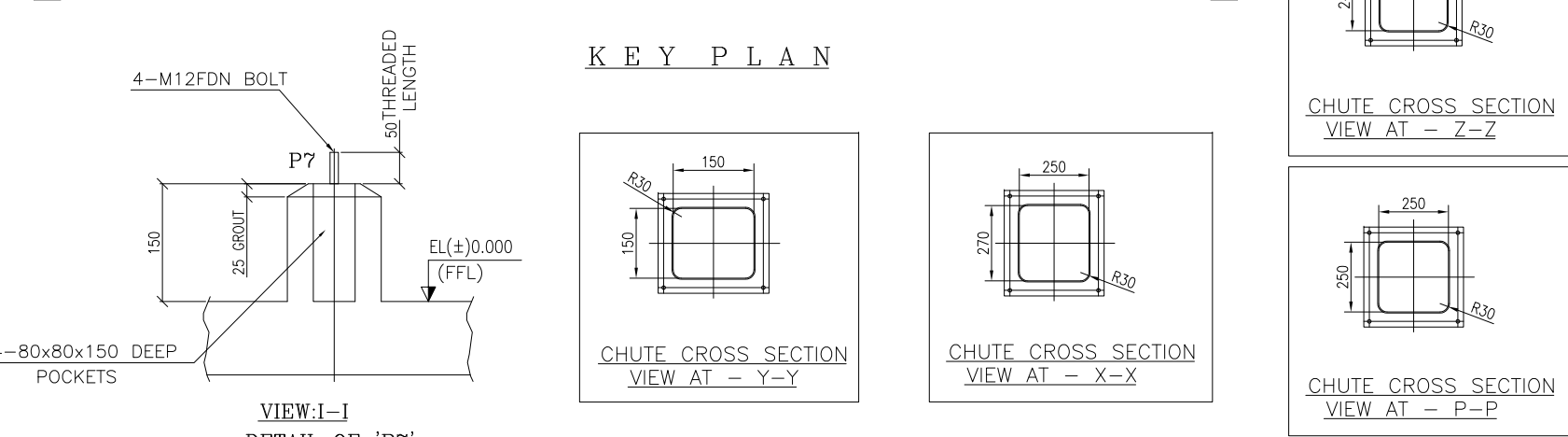
PLAN AT EL(+39.140M (T.O.C) MACHINERY PLAN



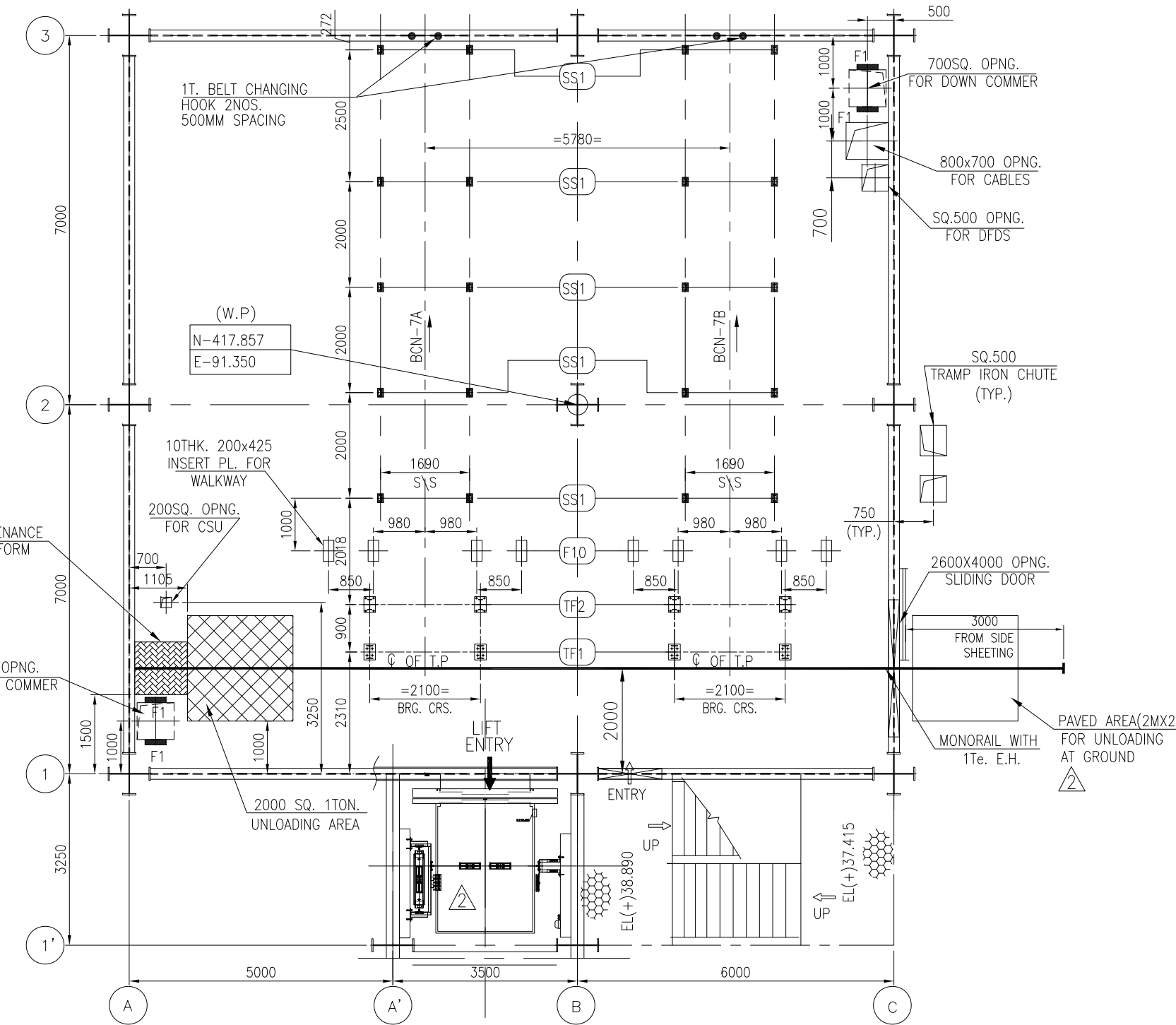
PLAN AT EL(-0.500M (F.F.L) A



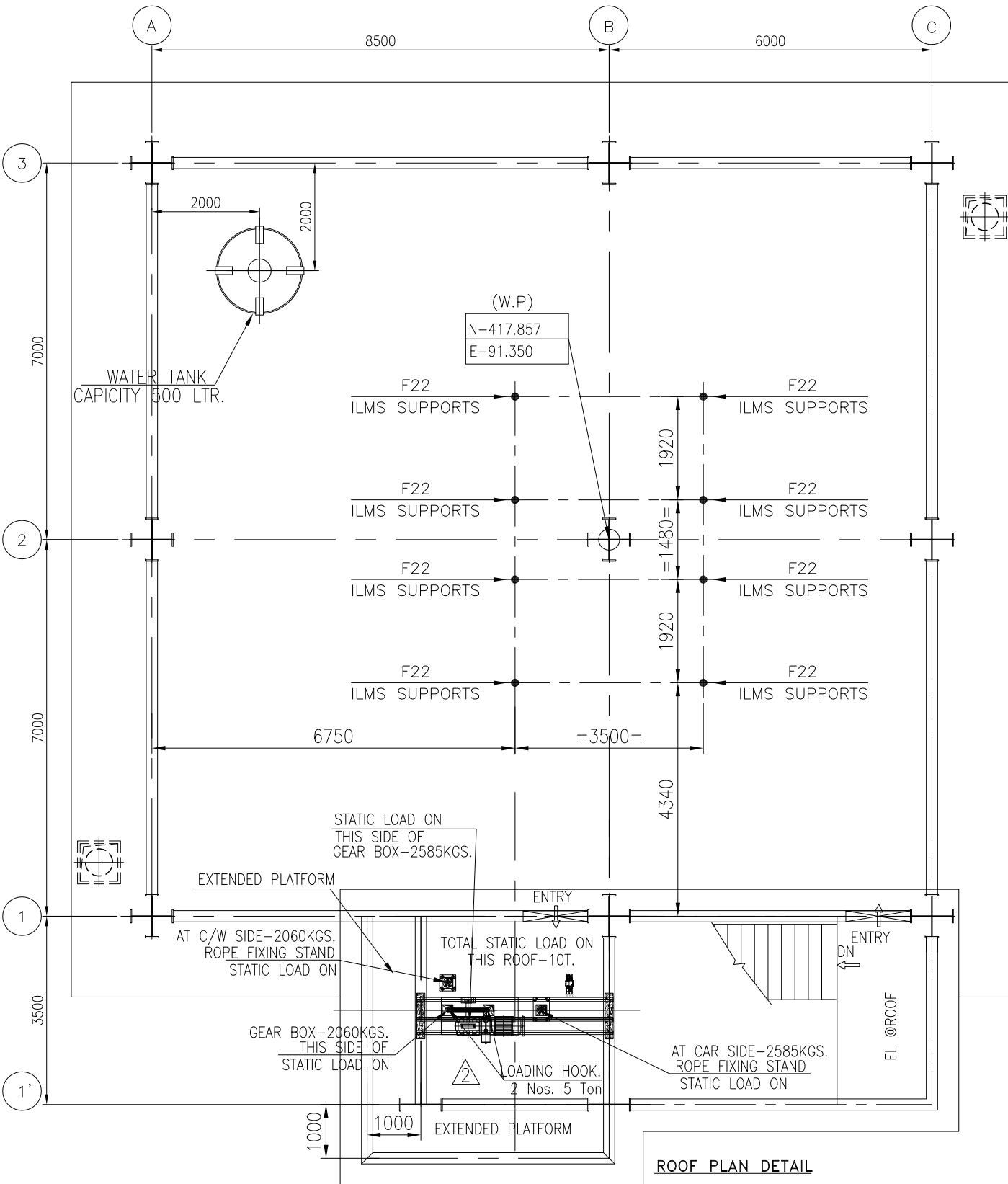
KEY PLAN



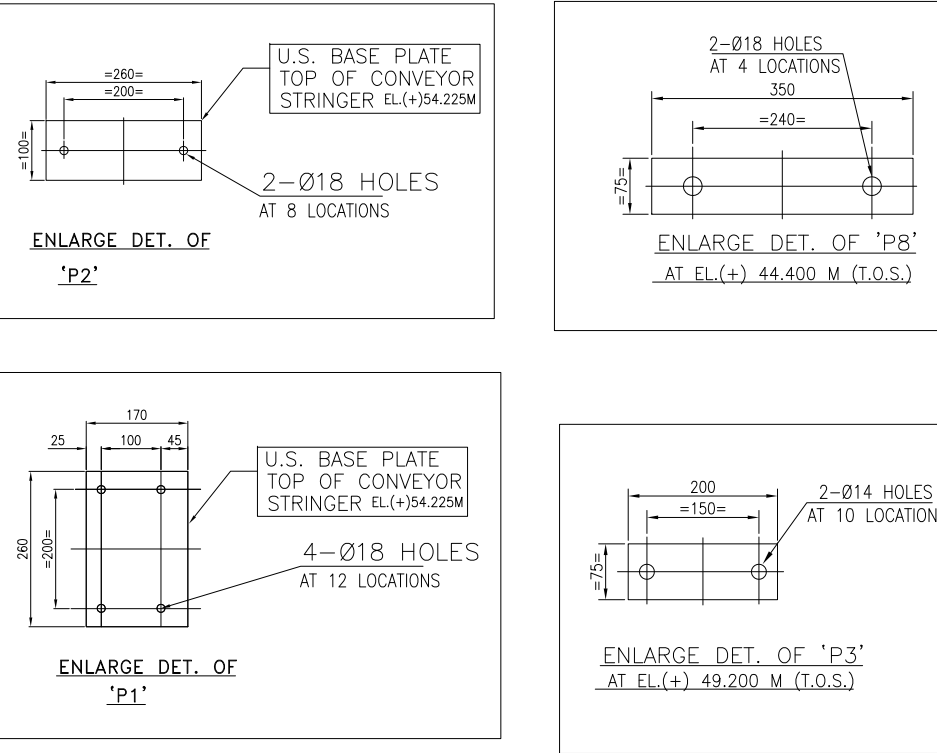
VIEW-I-J
DETAIL OF 'P7'



PLAN AT EL(+39.140M (T.O.C) FOUNDATION PLAN



ROOF PLAN DETAIL



LOAD TABLE							
EQUIPMENT NAME	POINT	BASE PL. SIZE (N mm.)	DYNAMIC LOAD ON EACH BOLT (N. T.)	STATIC LOAD ON EACH BOLT (N. T.)	HORIZONTAL LOAD ON EACH BOLT (N. T.)	FLOOR ELV. OF LOAD POINTS	TOTAL NO. OF LOAD POINTS
PRIMARY SAMPLER	P1	260x170x12 THK.	(±)0.195	(±)0.130	(±)0.065	TOP OF CONVEY. STRINGER	12 NOS.
GARLAND IDLER	P2	260x100x12 THK.	(±)0.0175	(±)0.0175	(±)0.0175	TOP OF CONVEY. STRINGER	8 NOS.
REVERSIBLE BELT FEEDER	P3	200x75x10 THK.	(±)0.174	(±)0.116	(±)0.058	EL (+)48.200	10 NOS.
BIAS SAMPLE BIN	P4	-----	-----	(±)0.080	-----	EL (+)48.200	1 NO.
SAMPLE CRUSHER	P5	-----	(±)0.220	(±)0.110	(±)0.110	EL (+)48.200	10 NOS.
SAMPLE DIVIDER	P6	-----	(±)0.290	(±)0.240	(±)0.120	EL (+)45.600	4 NOS.
SAMPLE COLLECTOR	P7	100x100x10 THK.	(±)0.290	(±)0.260	(±)0.156	EL (+)40.000	4 NOS.
SCREW CONVEYOR	P8	350x75x10 THK.	(±)0.240	(±)0.160	(±)0.080	EL (+)44.400	5 NOS.

LEGEND

EASTMAN'S SCOPE OF SUPPLY

CLIENT'S SCOPE OF SUPPLY

- NOTES:-
- FOR GENERAL NOTES REFER SHEET 1 OFF 3.
 - READ THIS DRG IN CONJUNCTION WITH SHEET 1 OFF 3 & 2 OFF 3.

OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD.										
	HYDERABAD – TELANGANA, INDIA										
CONSULTANT	DESEIN PRIVATE LIMITED										
											
PROJECT :	BHADRADRI THERMAL POWER STATION										
	4 X 270 MW, MANUGURU, TELANGANA, INDIA										
	COAL HANDLING SYSTEM PACKAGE										
EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED					NAME	SIGN	DATE	REV.		
	INDUSTRIAL SYSTEMS GROUP					DRN.	DUT	13.05.15	A		
	ISG-BANGALORE					CHD.	MNK	13.05.15	0		
						APP.	RSP	13.05.15	0		
TITLE :	G.A OF TP-5 WITH LOAD DATA							TOTAL SHEETS	03		
								SHEET NO.	02		
SCALE	BHBL JOB NO. IS-1-14-2007					BHBL-15G1S-1-GA-691-104-M023					REV.
						DRG.NO.:					03

2	01.05.16	REVISED AS PER DESEIN COMMENTS DATED: 06.11.15	J.S.	M.K.N
1	5-10-15	REVISED AS PER DESEIN COMMENTS DATED: 30-6-15	J.S.	M.K.N
R/NO	DATE	BRIEF RECORD	BY	APPD
REVISIONS				

Project : BHADRADRI POWER 4x270MW TELANGANA
Client : TELANGANA STATE POWER GENERATION CORPORATION LTD.
Consultant : DESEIN PRIVATE LTD.
Contractor : BHARAT HEAVY ELECTRICALS LTD.

COMPLIANCE TO COMMENTS OF DESEIN			
ON GA DRAWINGS OF TP-5 R0 SUBMITTED BY BHEL FOR APPROVAL			
Ref:	Comments made on GA Drawing prints of TP-5, R0 by DESEIN		
SL NO	DESEIN COMMENTS.	COMPLIANCE / CLARIFICATIONS BY BHEL/ BSBK	REMARKS
	COMMENTS MARKED MEMO		
1	Please indicate hook schedule with location, purpose and capacity	Shall be as indicated in respective plan / elevations.	
2	Please confirm the * marked data and delete note 6.	Dimensions updated.	
3	Minimum length of skirt boards shall be 4 M per loading point. Also provide access platform.	Noted & indicated in drg.	
4	Please indicate north orientation in all the sheets.	Noted & indicated in drg.	
5	Please check the correctness of the capacity of the hoists which shall be minimum 1.1 times the largest equipment to be handled.	Noted & accordingly hoist capacity selected.	
6	Please indicate dimensions and weight of transition chute. Also clarify where the weight of transition chute and flap gate are considered.	Dimension of chutes indicated & wt. of chutes considered / indicated in load data table & same is taken care for arriving load.	
7	Refer foundation plan at EL (+)3.0M in IS-1-GA-691-104-M021: Please indicate column 1.	NA for this drg.	
8	Refer plan at EL(+)20.0M & 15.2M: Please clarify how 4x2.5m removable type opening is covered and the same shall be designed for the 3T/2T unloading weight.	NA for this drg.	
9	Please clarify the reason for various openings shown in floor plans.	Floor opening shown at EL(+)44.4M, as no equipments are there in the area.	
10	Refer IS-1-GA-691-104-M019: a) Refer view CC: Angle o staircase shall be limited to 350 instead of 450. please correct. B) Area coming in the extended portion of monorail shall also be paved. Please add. C) Please indicate floor slope with its direction and location of potable water tank. d) Drawing shall be revised considering track hopper for unloading complete rake.	a) Corrected in the drg. b) Corrected in the drg. c) Floor slope shall be as p[er civil drg. & potable water tank location indicated in the drg. d) NA for this drg.	