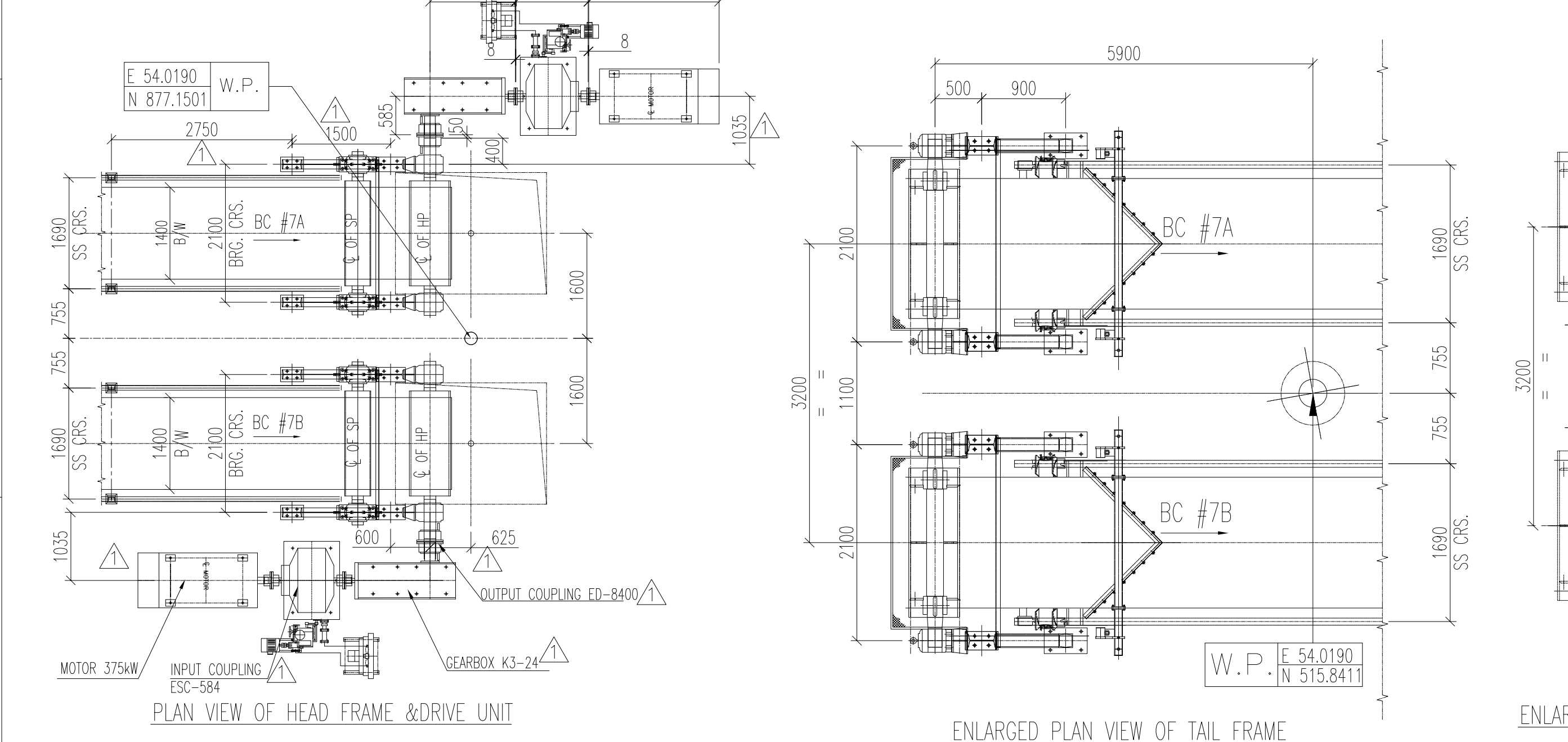
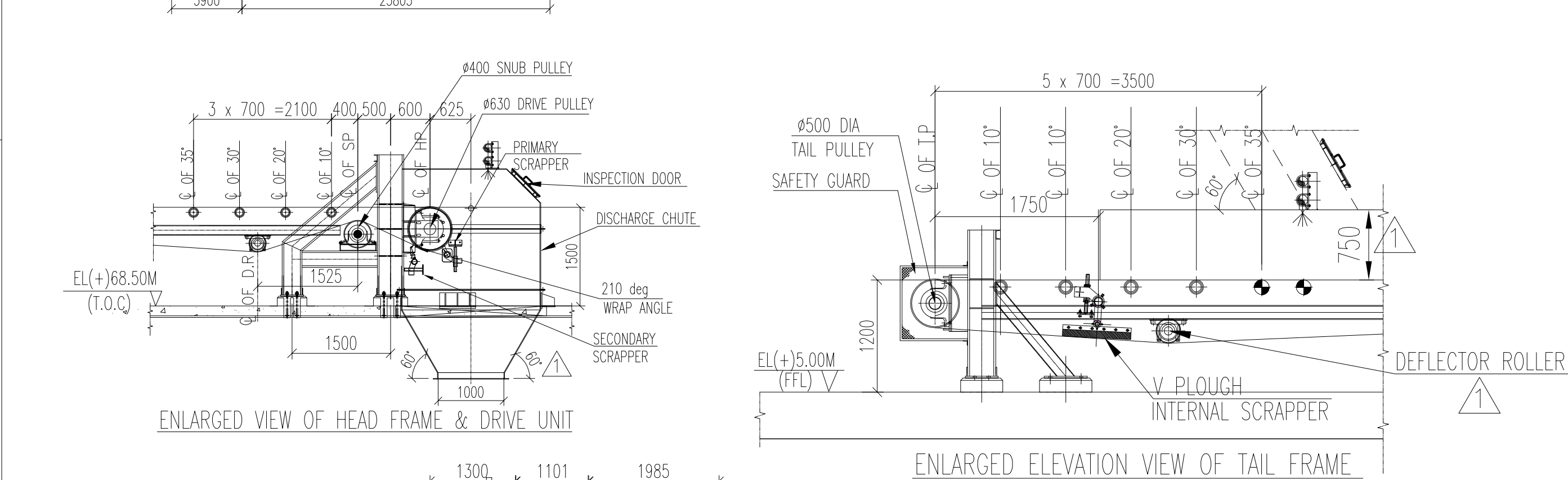
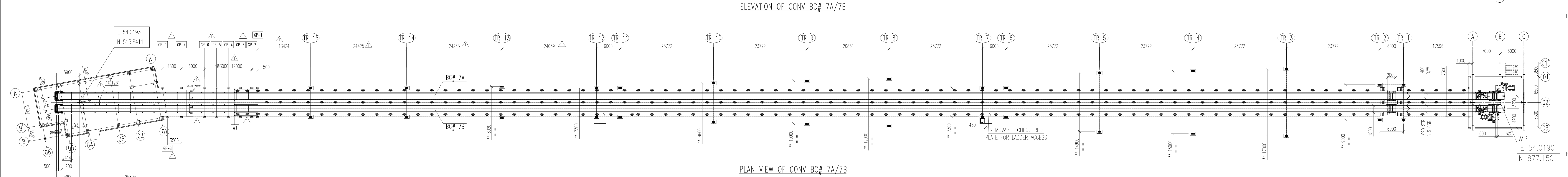
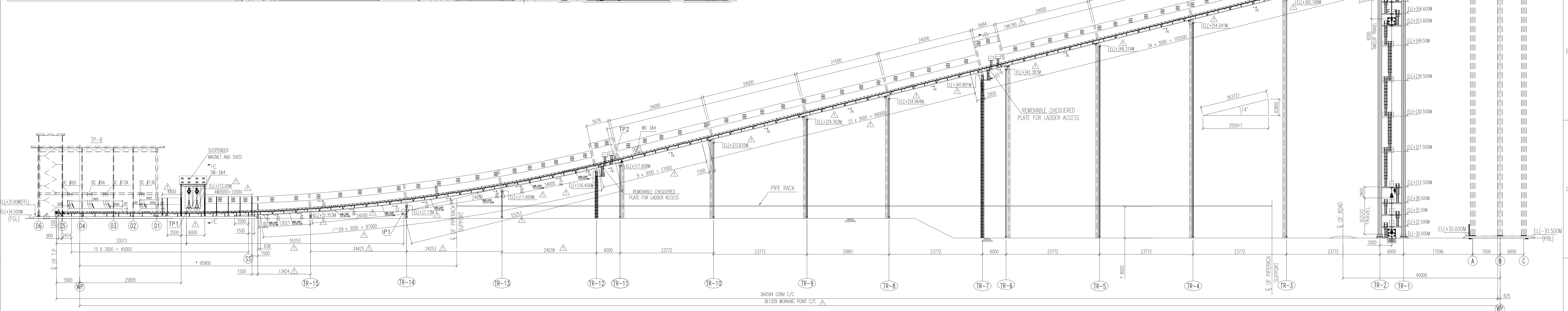
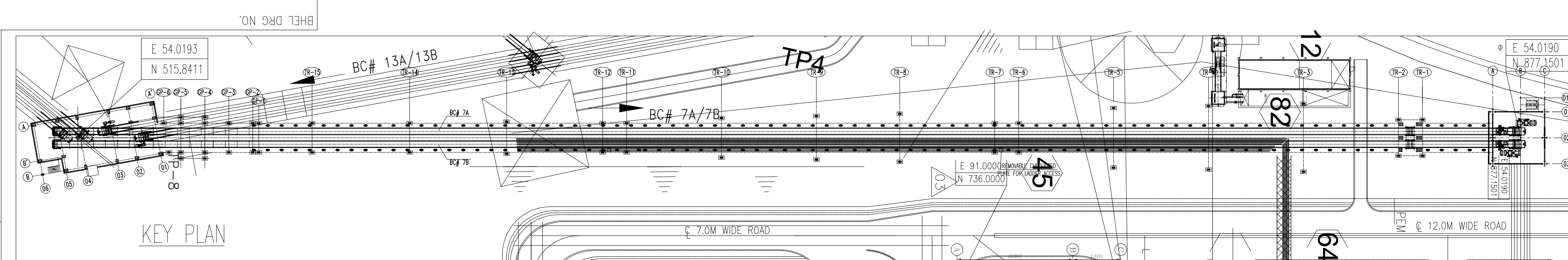
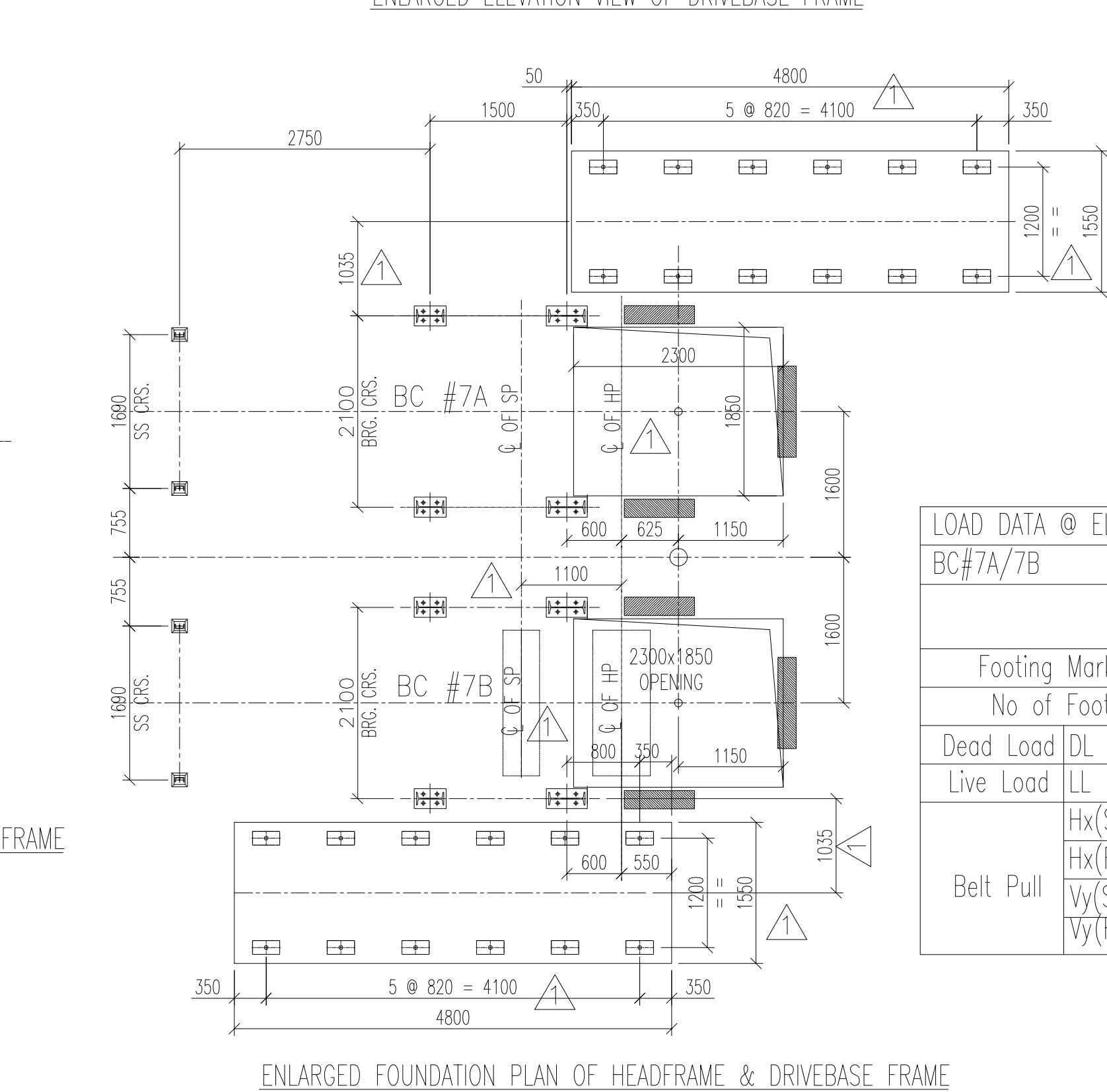
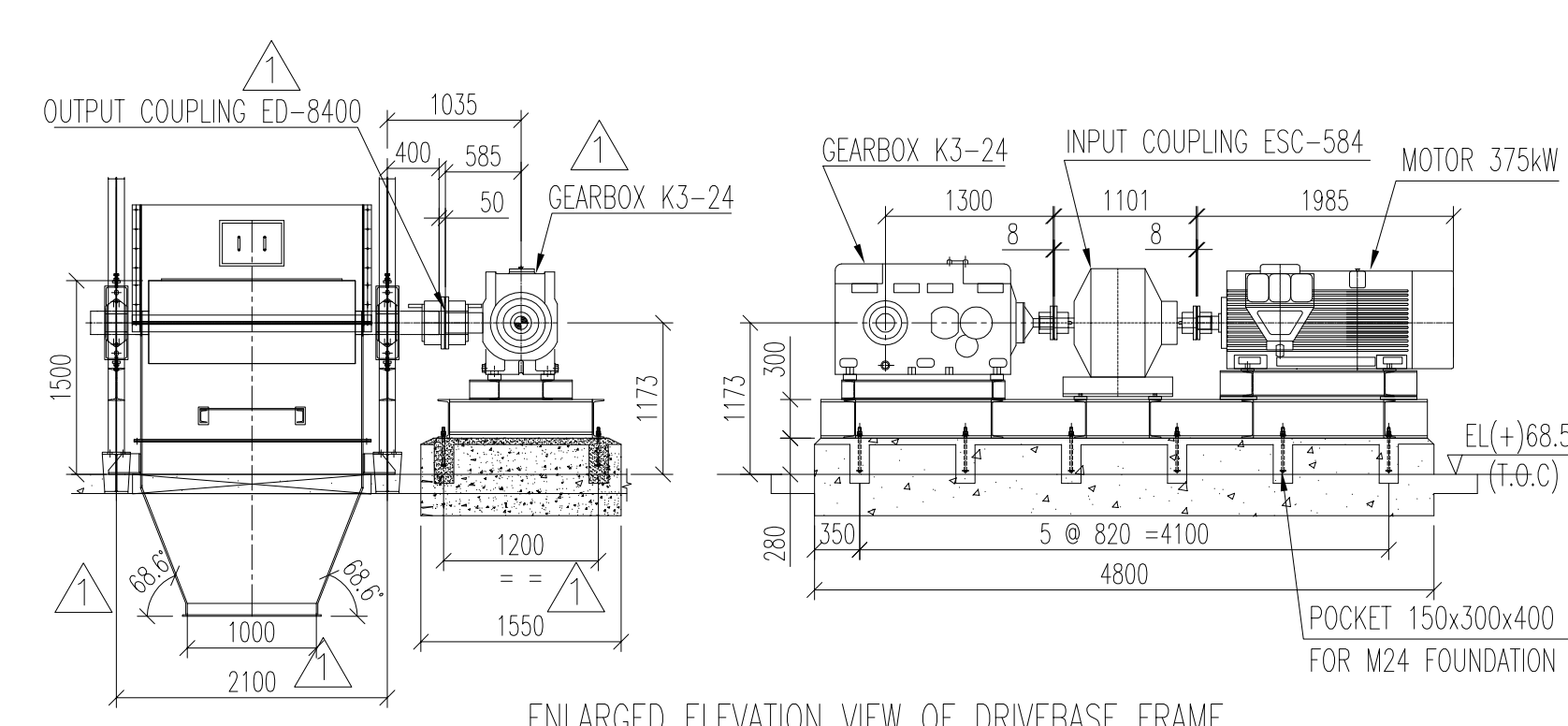


DO NOT SCALE. IF IN DOUBT, ASK.



MONORAIL SECTION SHOWN HERE IS INDICATIVE ONLY

ITEM NO.	MONORAIL SECTION	HOIST TYPE	PURPOSE	CAPACITY	LIFTING HT.	OPERATING FLOOR	RADIUS	QTY.
(A)	#ISMB 600	ELECTRICAL	FOR HANDLING SUSPENDED MAGNET	15 T	7.50 MTRS.	EL (+)4.5M	-	2 NO.



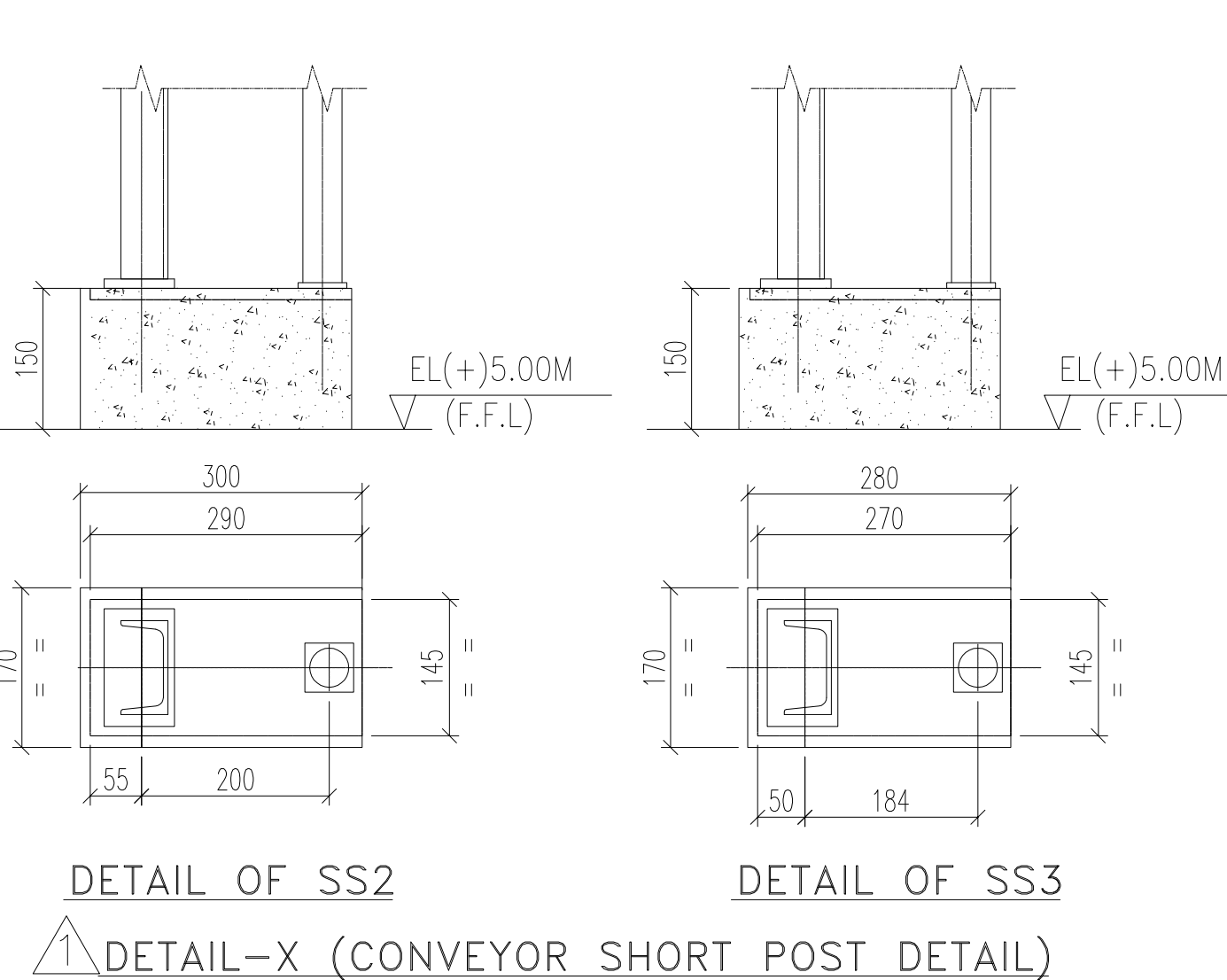
LOAD DATA @ EL(+4.50M)

BC#7A/7B

	SS2	SS3	W1
Footings Marking	16	16	6
No of Footings	0.8	0.8	1
Dead Load DL	0.2	0.2	0.2
Live Load LL	0.35	0.35	-
Hx(Starting)	0.3	0.3	-
Hx(Running)	-	-	-
Vy(Starting)	-	-	-
Vy(Running)	-	-	-

LEGEND :-

F.F.L = FINISHED FLOOR LEVEL F.G.L = FINISHED GROUND LEVEL T.O.C = TOP OF CONCRETE T.O.S = TOP OF STEEL B.O.M.R = BOTTOM OF MONORAIL M.H = MANUAL HOIST E.H = ELECTRIC HOIST H.P = HEAD PULLEY T.P = TAIL PULLEY S.P = SNUB PULLEY C.I = CARRYING IDLER	T.I = TRANSITION IDLER R.I = RETURN IDLER I.I = IMPACT IDLER W.P. = WORKING POINT S.A.C.I = SELF ALIGNING CARRYING IDLER S.A.R.I = SELF ALIGNING RETURN IDLER P.C.S = PULL CHORD SWITCH B.S.S = BELT SWAY SWITCH Z.S.S = ZERO SPEED SWITCH
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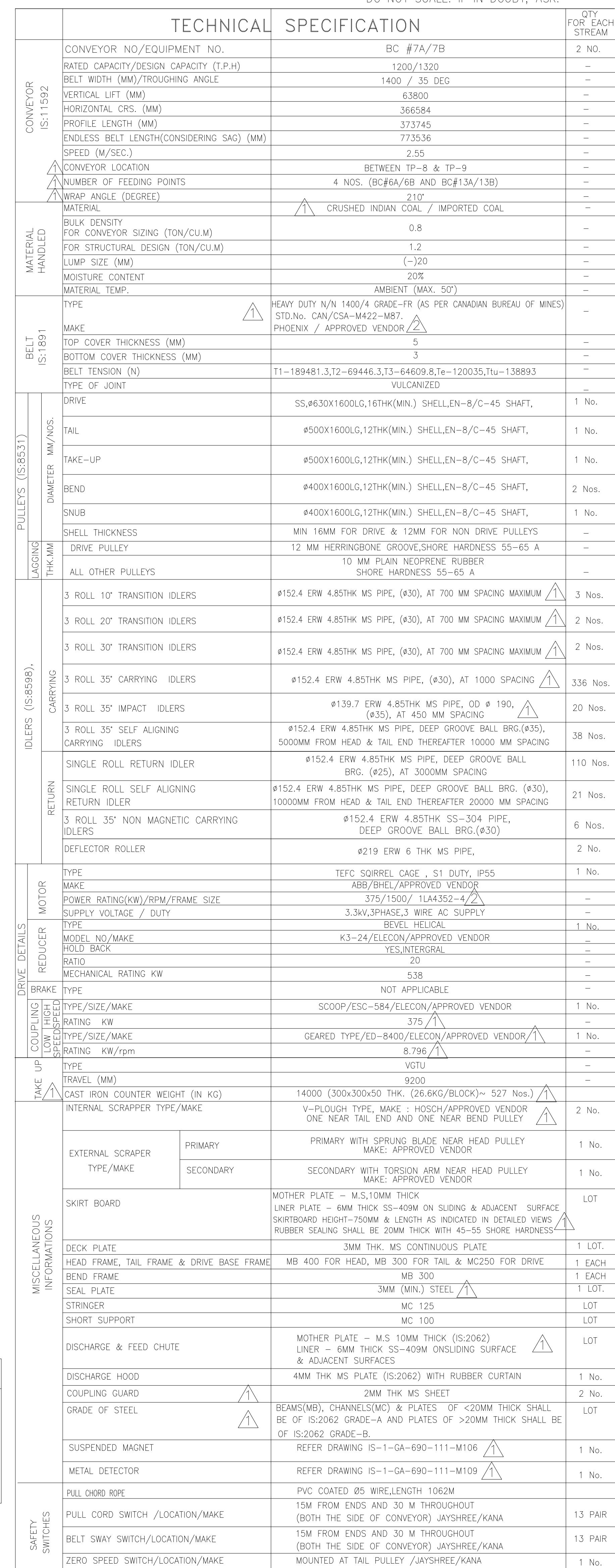


REFERENCE DRAWINGS/DOCUMENTS	DESCRIPTION
BHEL-DRG. NO.	
IS-1-GA-690-100-M003	TYPICAL CROSS SECTION OF CONVEYOR GALLERY & TUNNELS
IS-1-FL-690-100-M002	FLOW DIAGRAM CHP
IS-0-PL-690-100-M001	GENERAL PLANT LAYOUT OF COAL HANDLING SYSTEM
IS-1-GA-690-104-M029	GA OF TP -8 WITH LOAD DATA
IS-1-GA-690-104-M030	GA OF TP -9 WITH LOAD DATA
IS-1-GA-690-101-M004	GA OF CONVEYOR PROFILE
IS-1-GA-690-111-M117	GA OF CHAIN PULLEY BLOCK
IS-1-GA-690-111-M118	GA OF ELECTRIC HOIST
IS-1-GA-690-101-M012	GA OF BC#6A/6B
IS-1-GA-690-101-M019	GA OF BC#13A/13B

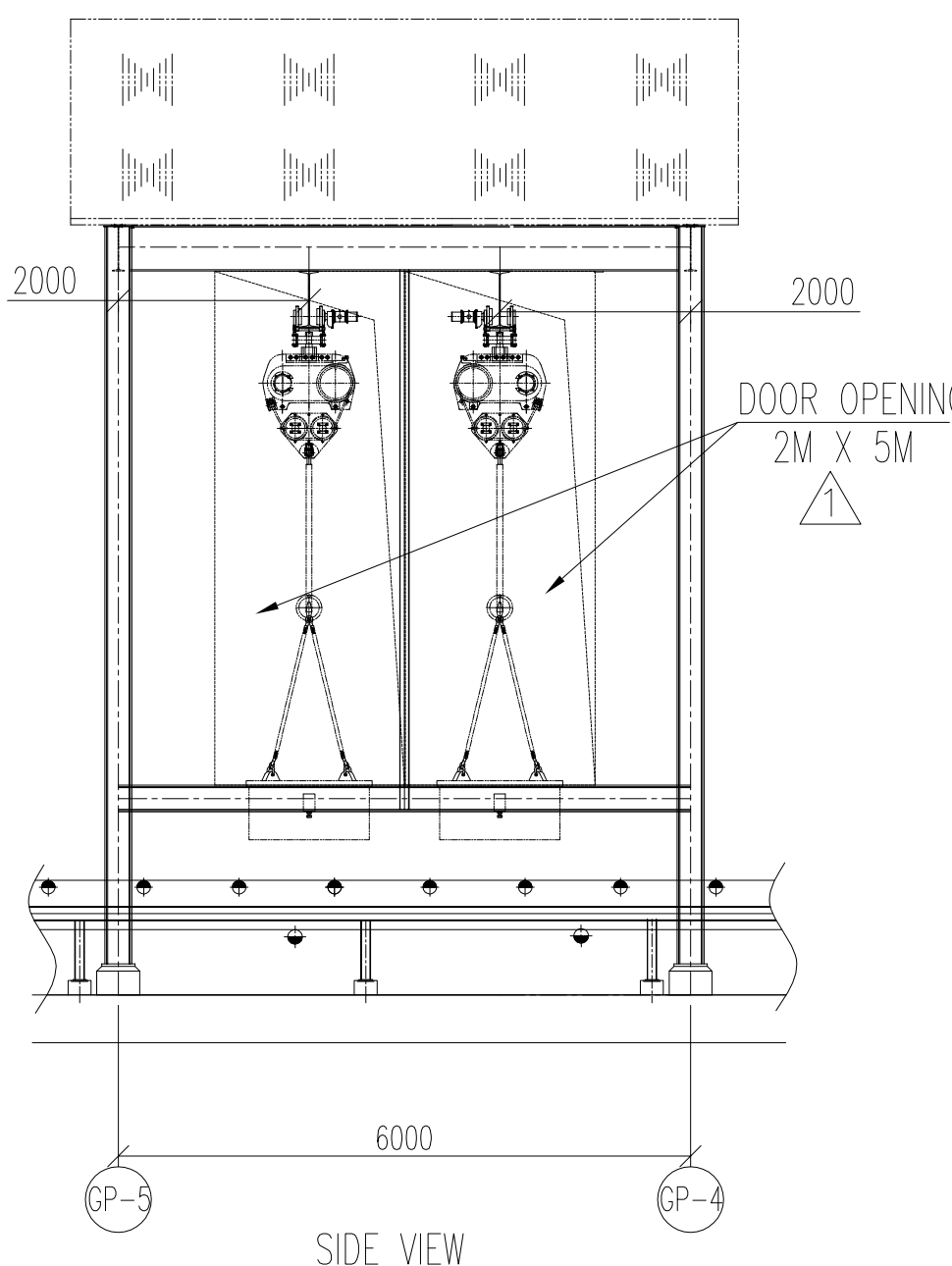
NOTES:-

- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
- EL 0.0M CORRESPONDS TO RL (+) 99.5M, FINISHED FLOOR LEVEL OF TG BUILDING.
- CIVIL/STRUCTURAL DETAILS INDICATED ARE TENTATIVE, FINAL DIMENSIONS SHALL BE AS INDICATED IN CIVIL/STRUCTURAL DRAWINGS.
- ALL OPENINGS & PLATFORMS SHALL BE PROVIDED WITH HAND RAILS AROUND PERIPHERY.
- FOR INSERT PLATE DETAILS OF HF, TF AND DBF REFER GA OF TP-8 AND TP-9.
- DIMENSIONS MARKED (*) FOR PIPERACK LOCATION SHALL BE UPDATED AFTER THE FINALISATION OF ASH CONVEYING PIPELINE ROUTINGS IN THIS AREA BY THE ASH HANDLING VENDOR.
- TRESTLE WIDTHS MARKED (**) ARE TENTATIVE AND SAME SHALL BE BASED ON CIVIL DESIGN.
- LOAD DATA FURNISHED FOR CONVEYORS ARE FOR INFORMATION & REFERENCE ONLY.
- STEPPED WALKWAY SHALL BE PROVIDED WHEREVER CONVEYOR INCLINATION IS > 8 DEGREE

OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD.
CUSTOMER'S CONSULTANT:	HYDERABAD - TELANGANA, INDIA
PROJECT :	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA . MUMBAI . CHENNAI . NEW DELHI
EPC CONTRACTOR:	KOTHAGUDEM THERMAL POWER STATION STAGE-VII, UNIT # 12 (1X800 MW), KOTHAGUDEM, TELANGANA, INDIA COAL HANDLING SYSTEM PACKAGE
BHEL'S CONTRACTOR:	BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE
SCALE:	TITLE : GA OF CONV BC#7A/7B
BHEL JOB NO. IS-14-2006	BHEL-ISG DRG. NO.: IS-1-GA-690-101-M013



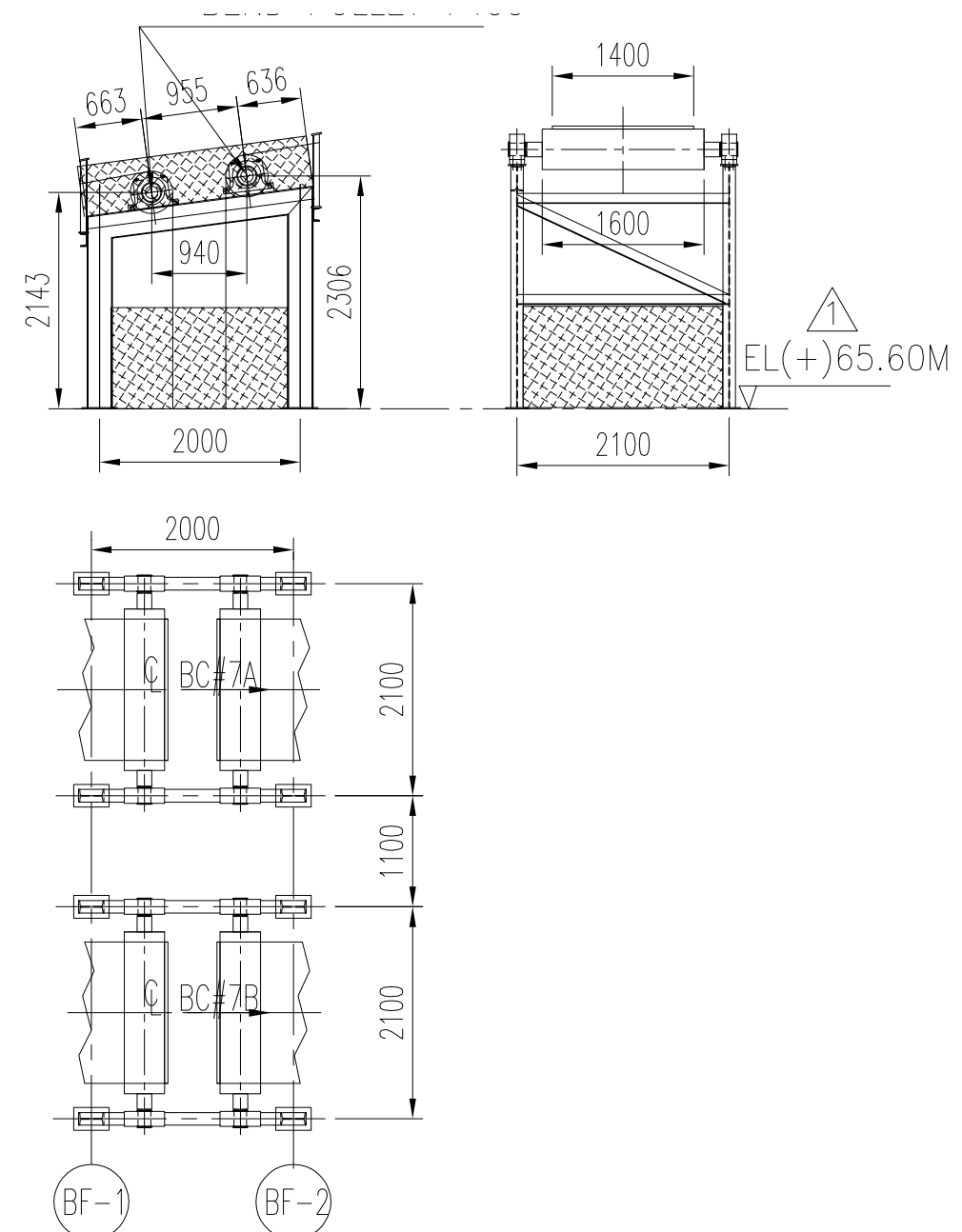
NOTES:-
1 REFER SHEET 1 OF 3



SIDE VIEW

02		1. REVISED AS PER CLIENTS COMMENTS 2. REVISED AS MARKED		
01		1. REVISED AS PER CLIENTS COMMENTS 2. REVISED AS MARKED		
0		FOR APPROVAL		
R.No:	DATE	BRIEF RECORD	BY	A
REVISIONS				

OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD.			
	HYDERABAD – TELANGANA, INDIA			
CUSTOMER'S CONSULTANT:	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA . MUMBAI . CHENNAI . NEW DELHI			
PROJECT :	KOTHAGUDEM THERMAL POWER STATION STAGE-VII, UNIT # 12 (1X800 MW), KOTHAGUDEM, TELANGANA, INDIA COAL HANDLING SYSTEM PACKAGE			
EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE			
BHEL'S CONTRACTOR				
		NAME	SIGN	DATE
		DRN.	PVN	13.11.15
		CHD	SSD	13.11.15
		APP.	RSP	13.11.15
	TITLE :	NO. OF SHEETS		
		SHEET.		
		NO.		
PPD	GA OF CONV BC#7A/7B			
SCALE	BHEL JOB NO. IS-1-14-2006		BHEL-ISO DRG. NO.: IS-1-GA-690-101-M013	



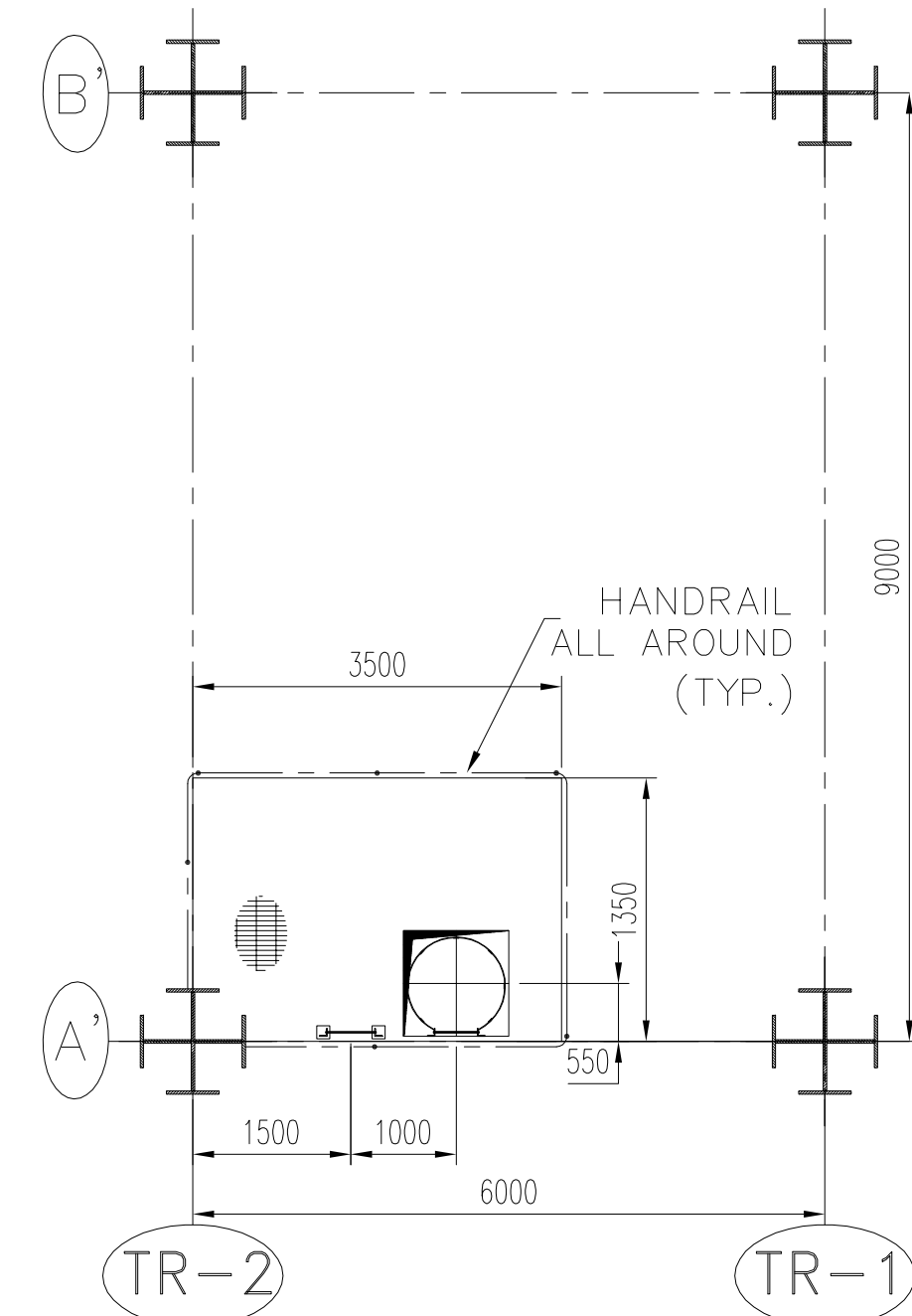
ENLARGED VIEW OF
BEND PULLEY FRAME



FLOOR PLAN AT EL(+)2.500M 
AT EL(+)8.50M AND EL(+)59.60M

FLOOR PLAN AT EL(+)5.50M 
AT EL(+)56.6M AND EL(+)62.6M

FLOOR PLAN AT EL(+) 12.500M

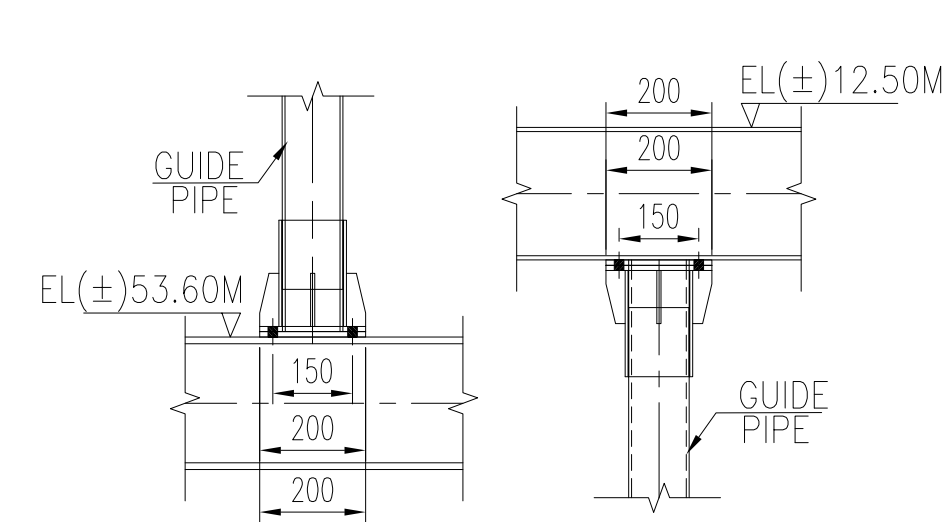


FLOOR PLAN AT EL(+)[△]53.60M

FLOOR PLAN AT EL(+)[△]65.600M

FLOOR PLAN AT EL(+)39.50M
AND AT EL(+)21.50M

FLOOR PLAN AT EL(+)48.50M
AND AT EL(+)30.50M



VIEW : 2-2

DETAIL AT -B

VIEW G1-G1

CROSSOVER PLATFORM
△ AT EL(+)69.30M

LOAD / PEDESTAL
(+) 0.5 T. (VER.)

DETAIL AT -A

DETAIL AT C

LOAD DATA TABLE (FOR BEND PULLEY FRAME OF CONV. BC #7A/ 7B)

LOAD POINT	NOS.	FLOOR ELEVATION (M)	DEAD LOAD PER FOOTING		DUE TO BELT PULL. PER FOOTING	
			VERTICAL LOAD (T)	HORIZONTAL LOAD (T)	VERTICAL LOAD AT RUNNING (T)	HORIZ. LOAD AT RUNNING (T)
BF1	4	HORIZONTAL GALLERY FLOOR	(+) 1.5	0	(+)4.8	(-)0.9
BF2	4	HORIZONTAL GALLERY FLOOR	(+) 1.5	0	(+)3.8	(+)0.9
SIGN CONVENTION (V) VERTICAL LOAD : UPWARD (-) DOWNWARD (+) (H) HORIZONTAL LOAD : TOWARDS HEAD PULLEY (+) TOWARDS TAIL PULLEY (-) ALL LOADS ARE ACTING AT TOP OF PEDESTAL.				NOTES:- Δ 1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS. 2. EL(-)0.5M CORRESPONDS TO FGL (+) 99.0M, FINISHED GROUND LEVEL IN THE MAIN PLANT AREA. 3. ALL OPENINGS AND PLATFORMS SHALL BE PROVIDED WITH HAND RAILS AROUND PERIPHERY. HANDRAIL HEIGHT SHALL BE 1M TYPICAL 4. LOAD DATA FURNISHED FOR CONVEYOR IS FOR INFORMATION AND REFERENCE ONLY		
1			2		3	

MONORAIL SECTION SHOWN HERE IS INDICATIVE ONLY

HOIST SCHEDULE							
ITEM NO.	MONO RAIL SECTION	HOIST TYPE	CAPACITY	LIFTING HT.	OPERATING FLOOR	RADIUS	QTY.
(B)	#ISMB 400	MECHANICAL	20 T	12.00 MTRS.	EL (+) 8.50 M	2 MTRS	1 NO.
4 NOS. OF 1.5 TON HOOK FOR HANDLING TAKEUP PULLEY AND BEND PULLEY							

02		1. REVISED AS PER CLIENTS COMMENTS 2. REVISED AS MARKED		
01		1. REVISED AS PER CLIENTS COMMENTS 2. REVISED AS MARKED		
0	28.08.15	FOR APPROVAL		
R.No:	DATE	BRIEF RECORD	BY	APPROVED
REVISIONS				

OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD.					
	HYDERABAD — TELANGANA, INDIA					
CUSTOMER'S CONSULTANT	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA . MUMBAI . CHENNAI . NEW DELHI					
PROJECT :	KOTHAGUDEM THERMAL POWER STATION STAGE-VIII, UNIT # 12 (1X800 MW), KOTHAGUDEM, TELANGANA, INDIA COAL HANDLING SYSTEM PACKAGE					
EPC CONTRACTOR	BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE					
BHEL'S CONTRACTOR			NAME	SIGN	DATE	REVISION
			DRN.	PVN	13.11.15	00
			CHD.	SSD	13.11.15	NO. OF VAL
			APP.	RSP	13.11.15	
TITLE :	GA OF CONVEYOR BC #7A / 7B					NO. OF SHEETS
						SHEET. NO.
SCALE	BHEL JOB NO.	IS-1-14-2006	BHEL-ISO DRC. NO.	IS-1-GA-690-101-M013		03.
						02.

COMPLIANCE REPORT			
Project : 1 x 800 MW(Unit-12) Kothagudem Thermal Power Station			
Owner : Telangana State Power Generation Corporation Limited			
Owner's Consultant : Development Consultants Private Limited			
EPC Contractor : BHEL Industrial System Group			
Package : Coal Handling System			
Drawing&Document No/Rev No : IS-1-GA-690-101-M013(Rev-2)			
Drawing/Document Name : GA of BC#7A/7B			
Sl.No	Owner/Owner's Consultant's Comment	BHEL Reply	Comments/Conclusion by Owner/Owner's Consultant
A	Sheet 1 of 3		
1	Indicate ventilation system drawing details in reference list	Please note that conveyor BC#7A/7B is overground conveyor and hence ventilation system is not envisaged.	
2	Dimensions marked (*) for piperack location shall be confirmed in rev-1	The dimensions marked(*) for Ash handling piperack shall be updated after the finalisation of Ash pipeline routings in this area by the Ash handling vendor. The note is suitably revised	
B	Sheet 2 of 3		
1	Indicate radius of curvature throughout the conveyor profile	The radius of curvature is already indicated in idler profile drawing. Please refer the idler profile section between match line -AA and BB for concave radius (450Mtr)and refer match line -CC and head pulley for convex radius(100 Mtr).	
2	Indicate belt make as per approved vendor list	Noted and incorporated in revised document	
3	Indicate Motor frame size	Noted and incorporated in revised document	
C	Sheet 3 of 3		
1	Manual hoist of 20 T with a lifting height of 12 M is not acceptable. BHEL to provide electric hoist for the same. This comment is applicable for other takeup towers also.	Please note that as a general practise and also in all the earlier project references, manual hoists are provided at takeup location and not electric hoists. Since the counterweight is made up of multiple Cast Iron blocks of small weights, entire counterweight is not generally lifted together. Also as per NIT e-PCT-TS-K-02-2014-15-Vol-IV; Page no.54, clause7.36.00, ii)For handling take-up pulleys along with take-up frame & counterweight manual hoist with mono rail beam of adequate capacity having adequate travel arrangement at bottom of gallery/top of take up structure as found suitable shall be provided irrespective of tonnage and lift. Therefore request DCPL to accept the provision of manual hoist at takeup location.	