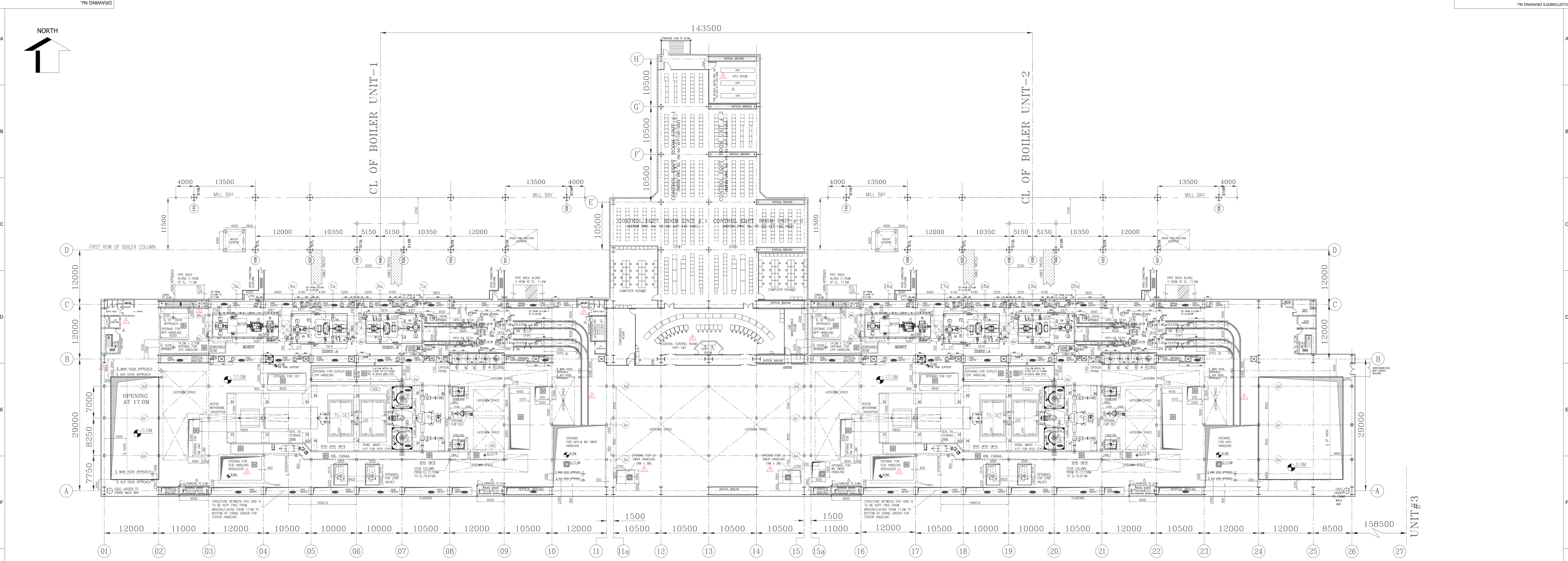


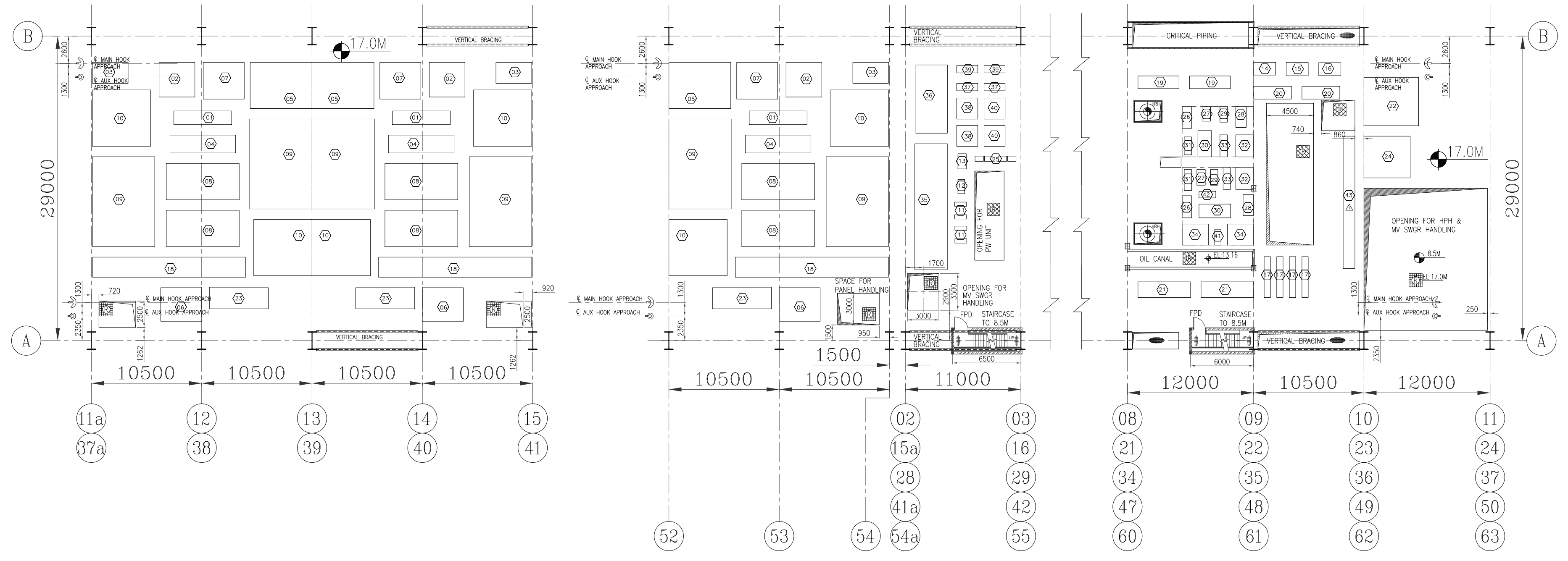
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SIZE-A0



TG HALL EQUIPMENT LAYOUT PLAN AT EL 17.0M - UNIT 1&2



EQUIPMENT LAYDOWN ARRANGEMENT FOR TG & GENERATOR COMPONENTS AT 17.0M

S.No	DESCRIPTION	Wt in T	Area m x m
01	HP SHWT	250	5.5 X 1.5
02	LOWEST CASING	250	3.4 X 2.3
03	INNER CASING UPPER PART	170	3.4 X 2.0
04	HP SHWT	400	6.25 X 1.7
05	HP TURBINE OUTER CASING UPPER PART	410	5.89 X 4.4
06	HP TURBINE INNER CASING UPPER PART	350	3.9 X 3.2
07	HP TURBINE INNER CASING LOWER PART	370	3.9 X 3.5
08	LPT & LPT SHWT	760	6.92 X 3.46
09	LPT & LPT OUTER CASING UPPER PART	280	8.58 X 5.85
10	LPT & LPT INNER CASING UPPER PART	260	5.55 X 3.96
11	SHWT SEAL GAS - IT & IE	05	0.405 X 1.12
12	HP FRONT BEARING UPPER PART PRESTAL COVER	06	0.62 X 1.35
13	HP REAR BEARING UPPER PART PRESTAL COVER	09	0.8 X 1.45
14	HP REAR BEARING UPPER PART PRESTAL COVER	2.3	1.05 X 2.1
15	HP REAR BEARING UPPER PART PRESTAL COVER	2.3	1.25 X 2.1
16	HP REAR BEARING UPPER PART PRESTAL COVER	2.3	1.25 X 2.1
17	STANDARD PLATE WITH ROSSLEY 1 NOS	35	3.9 X 0.8
18	GENERATOR - BODY	850	14.57 X 1.81
19	END SHIELD UPPER & LOWER HALF (2) 2 NOS	80	12 X 3.6
20	HYDROGEN COOLER (2 NOS) 2 NOS	45	5.0 X 1.5
21	HYDROGEN COOLER - INSIDE	260	4.8 X 5.2
22	EXHAUST	300	5.8 X 2.01
23	EXHAUST INSIDE	15	4.4 X 1.81
24	BEARING SHELLS - TS & ES NOS	05	0.5 X 0.8
25	HP CONTROL VALVE	2.2	21 X 0.9
26	HP CONTROL VALVE ACTUATOR	1.6	15.8 X 0.6
27	HP STOP VALVE	2.5	20 X 1.0
28	HP STOP VALVE ACTUATOR	1.2	15.8 X 0.7
29	HP CONTROL VALVE	65	30 X 1.3
30	HP CONTROL VALVE ACTUATOR	1.6	20 X 0.7
31	HP STOP VALVE	70	21 X 1.7
32	HP STOP VALVE ACTUATOR	1.4	21 X 0.7
33	BRASS VALVE WITH ACTUATOR 2 NOS	105	23.5 X 2.0
34	CROSS OVER PIPE - PART1	30	10 X 5.1
35	CROSS OVER PIPE - PART2	20	6.5 X 1
36	LPT BRASS STOP VALVE ACTUATOR 2nos	05	2 X 0.7
37	LPT BRASS STOP VALVE 2nos	2.2	2 X 2
38	LPT BRASS CONTROL VALVE 2nos	05	2 X 0.7
39	LPT BRASS CONTROL VALVE ACTUATOR 2nos	2.2	2 X 2
40	OVERLOAD CONTROL VALVE	0.8	15 X 0.4
41	OVERLOAD CONTROL VALVE ACTUATOR	1.0	16 X 1.6
42	LIFTING BEAM - 2	90	11.6 X 1.2

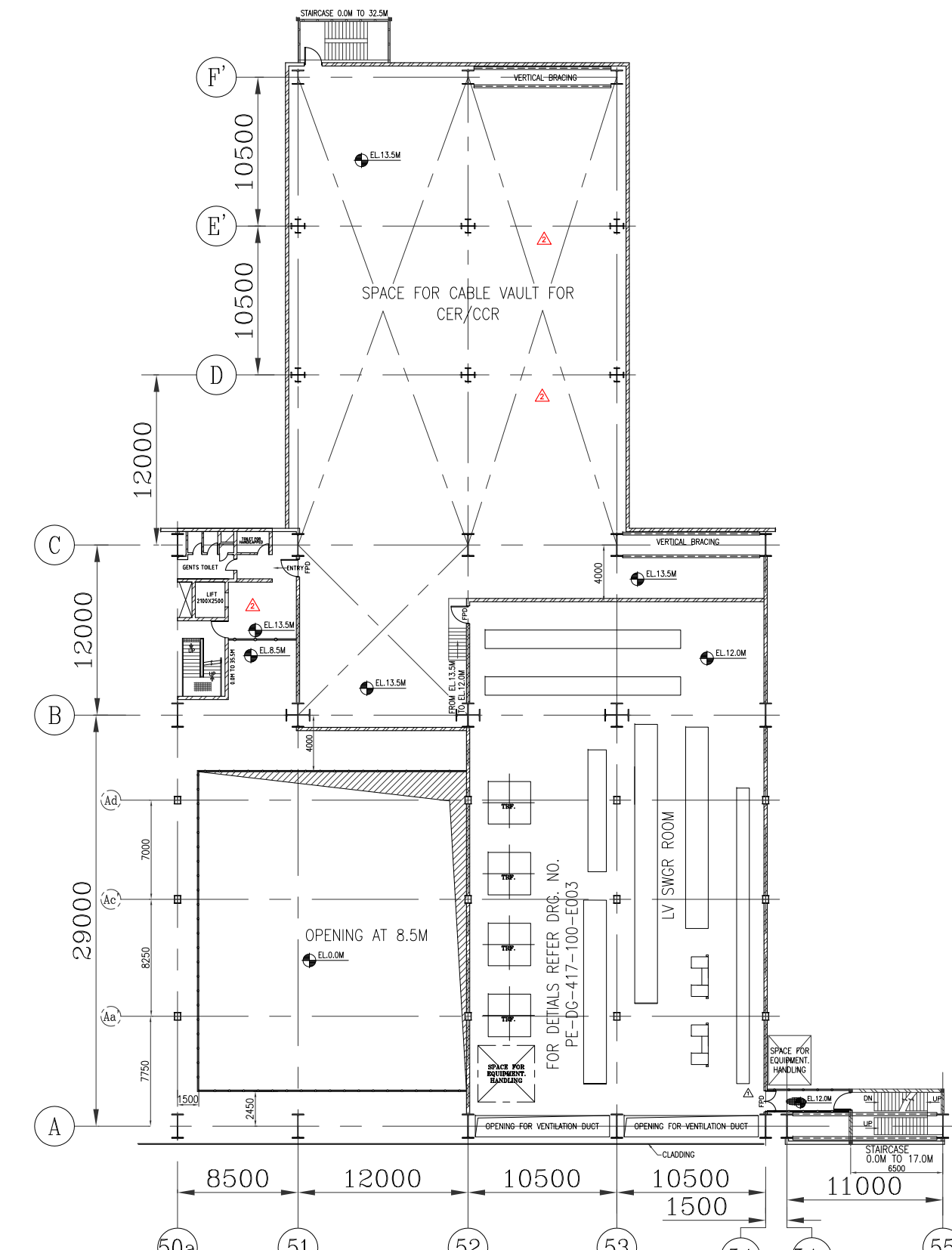
NOTES:
1. FOR NOTES REFER DRG. PE-DG-417-100-M005 SHEET-02.

REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO

JOB NO.	417
STATUS	CONTRACT
DISTRIBUTION	

CUSTOMER:	TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA, INDIA 5X800 MW YADADRI TPS, NALGONDA
CONSULTANT:	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA
DEPT CODE:	BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOLDA
NAME:	TELANGANA STATE POWER GENERATION CORPORATION LTD
SIGN:	
DATE:	27.11.2017
DESIGN:	
SIGN:	
DATE:	27.11.2017
CHD:	
SIGN:	
DATE:	27.11.2017
APPO:	
SIGN:	
DATE:	27.11.2017

TITLE	TG EQUIPMENT LAYOUT PLAN AT OPERATING FLOOR
DEPT.	SCALE 1:100
SIGN	
DRAWING NO.	PE-DG-417-100-M005
SHEET 1	OF 2
REV.	02



PLAN AT EL:12.0M/13.5M - UNIT 5

- REFERENCE DRGS:-

LEGENDS:-

	PIPE HATCH
	VERTICAL BRACING
	FIRE PROOF DOOR
	GRATING
	CHEQUERED PLATE
	REMOVABLE
	HAND RAILING
	CABLE TRAY
	FIRE BARRIER WALL

CIVIL TO NOTE:-

- \$ COLUMN FROM 0.0 TO ~13.5 (BOTTOM OF OIL CANAL)
 @ COLUMN UPTO BOTTOM OF BFP DECK
 MAX BEAM DEPTH FOR PLATFORM BELOW TG DECK AT
 EL:2.5M TO BE RESTRICTED TO 400MM.

CUSTOMER: 	TATANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA, INDIA 5x800 MW YADADRI TPS, NALGONDA
CONSULTANT: 	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA
PROJECT: 	BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA

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DEPT CODE	DSN	NAME	SIGN	DATE
M	CHD	ANB,TRK	Sd/	27.11.20
	CHD	DSN	Sd/	27.11.20
	CHD	JA	Sd/	27.11.20
	APPO	JA	Sd/	27.11.20

TITLE **TG EQUIPMENT LAYOUT PLAN AT MEZZANINE FLOOR**

DEPT.	SCALE 1:100				
SIGN					

DRAWING NO. PE-DG-417-100-M004		
SHEET 2	OF 2	REV. 02

REV.	DATE	ALTD	CHD	APPRO	REV.	DATE	ALTD	CHD	APPRO	REV.	DATE	ALTD	CHD	APPRO	REV.	DATE	ALTD	CHD	APPRO
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					2	OTHER CHANGES AS MARKED				2	OTHER CHANGES AS MARKED								

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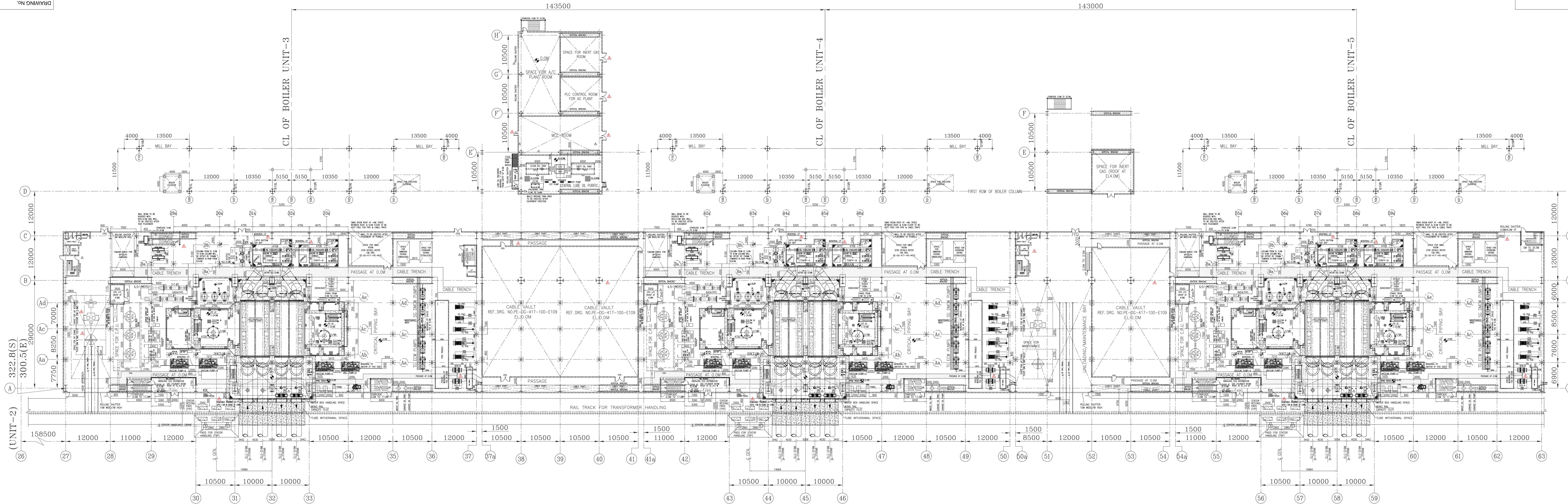
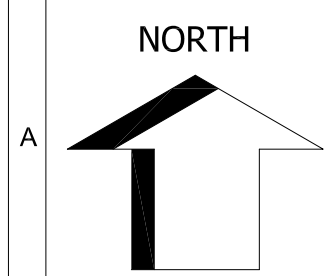
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REV.	DATE	ALTD</
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TG HALL EQUIPMENT LAYOUT PLAN AT EL 0.0M - UNIT 3,4&5

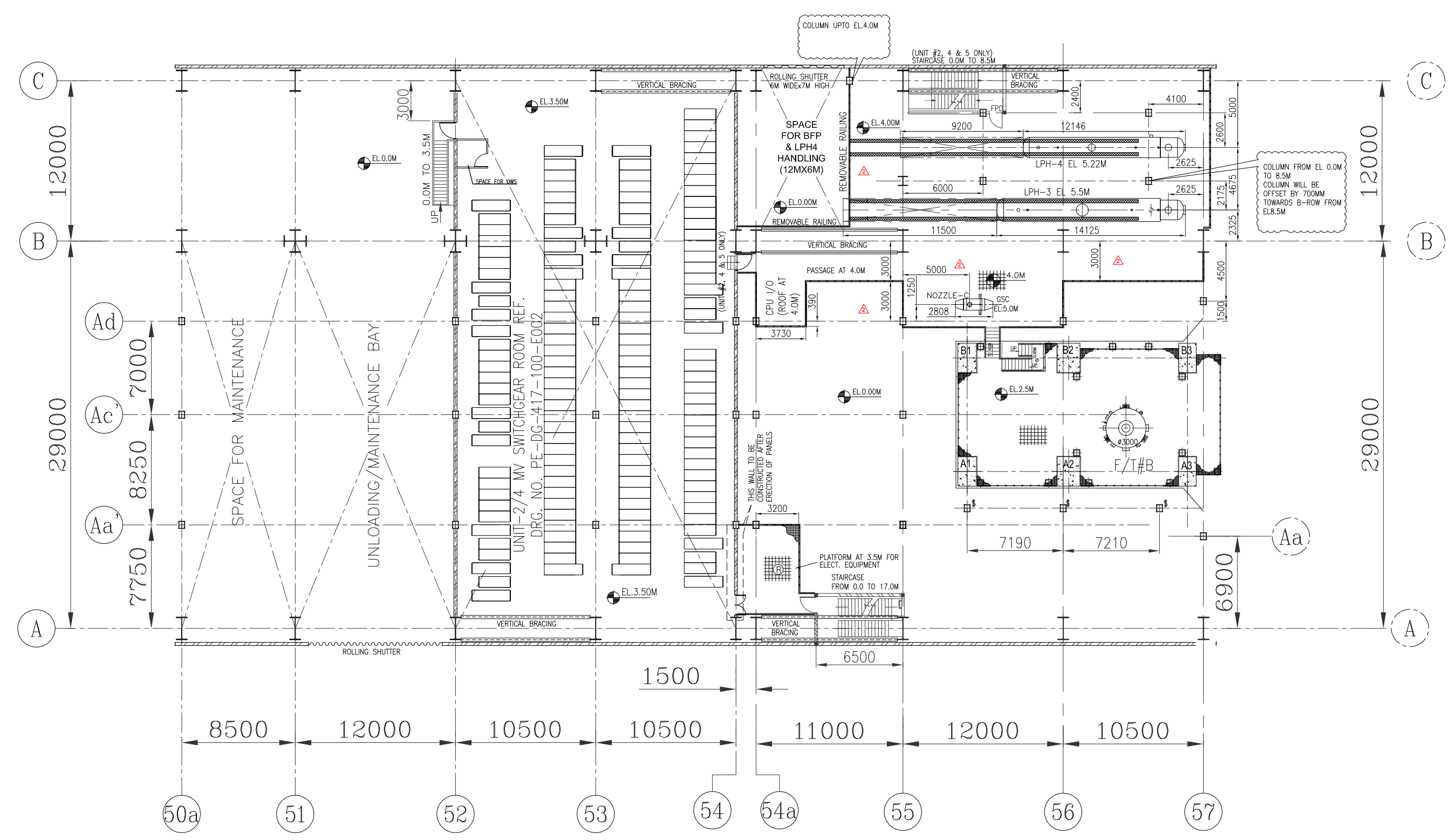
- NOTES:-
1. ALL DIMENSION ARE IN MM AND LEVELS ARE IN METRES.
 2. ALL ELEVATION MARKED ARE W.R.T. TG HALL FINISHED FLOOR ELEVATION OF EL.0.0M WHICH CORRESPONDS TO RL EL.81.5M.
 3. ALL THE SIZES AND LOCATION OF COLUMNS OF TG DECK ARE SUBJECT TO FINALIZATION AFTER CIVIL DESIGN.
 4. SIZES OF ALL TG BUILDING MAIN AND AUXILIARY COLUMNS ARE SUBJECT TO CIVIL DESIGN.
 5. CRANE DETAILS ARE INDICATIVE.

REFERENCE DRGS:-

No.	TITLE	DRG. NUMBER	UNIT
1	MAIN PLANT EQUIPMENT LAYOUT PLAN	PI--DG-417-100--M002	PEM
2	TO EQUIPMENT PLAN AT MEZZANINE FLOOR	PI--DG-417-100--M004	PEM
3	TO EQUIPMENT PLAN AT OPERATING FLOOR	PI--DG-417-100--M005	PEM
4	TO EQUIPMENT LAYOUT PLAN AT WEG FLOORS ABOVE OPERATING FLOOR IN BG BAY	PI--DG-417-100--M006	PEM
5	TO GENERAL ARRANGEMENT OF CONDENSER SECTIONS	PI--DG-417-100--M007	PEM
6	CONDENSER ASSEMBLY (GENERAL ARRANGEMENT)	OH01070107C1212	HWR
7	GENERAL ARRANGEMENT OF DRAIN COOLER # 1	HY--DC-2-06201-31701	HWR
8	GENERAL ARRANGEMENT OF DRAIN COOLER # 2	HY--DC-2-06201-31305	HWR
9	GENERAL ARRANGEMENT OF GLAND STEAM CONDENSER	0-16205-70014-C212	HWR
10	GENERAL ARRANGEMENT OF LPH # 3	HY--DC-2-26226-35701	HWR
11	GENERAL ARRANGEMENT OF LPH # 4	HY--DC-2-26231-35801	HWR
12	GENERAL ARRANGEMENT F-1 / T-A	11605341108	BPL
13	GENERAL ARRANGEMENT F-1 / T-B	11605341109	BPL
14	GENERAL ARRANGEMENT CEP	HY--DC-1-18100-57247	HWR
15	GENERAL ARRANGEMENT SEAL OIL UNIT	---	HWR
16	GENERAL ARRANGEMENT OF VACUUM PUMPS CONDENSER # 1	---	HWR
17	GENERAL ARRANGEMENT OF VACUUM PUMPS CONDENSER # 2	---	HWR
18	TOBEP LUBE OIL	03130114201	HYD
19	DRIP PUMPS	HY--DC-1-18100-57249	HWR
20	GA WASTE OIL TANK	2-13100-V5145	PEM
21	GA OF PHE	---	PEM
22	GA FLOW PUMP	---	PEM
23	LEAKAGE OIL TANK AND PUMP	2-13100-V5146	PEM
24	GA OF CPU (PIPING LAYOUT FOR SERVICE VESSEL AREA)	---	HWR
25	GA AMMONIA SKID	---	PEM
26	GA HYDRAZINE SKID	---	PEM
27	GA OF OXYGEN DOSING	---	PEM
28	GA NASH TANK / SKID	---	PEM
29	LIST OF JUNCTION BOX	---	HWR
30	CONCRETE SLABS FOR UNLOADING TO STATOR FROM TRAILER	---	HWR
30	GA OF COLTICS	---	PEM

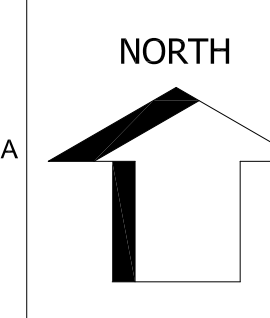
LEGEND:-

	PIPE HATCH
	VERTICAL BRACING
	FIRE PROOF DOOR
	GRATING
	CHEQUERED PLATE
	REMOVABLE
	HAND RAILING
	CABLE TRAY
	FIRE BARRIER WALL
	INDICATES PIPES/CABLE
	ROLLING SHUTTER
	RAIL TRACK
	PIPE TRENCH WITH POCC COVERED SAND FILLED



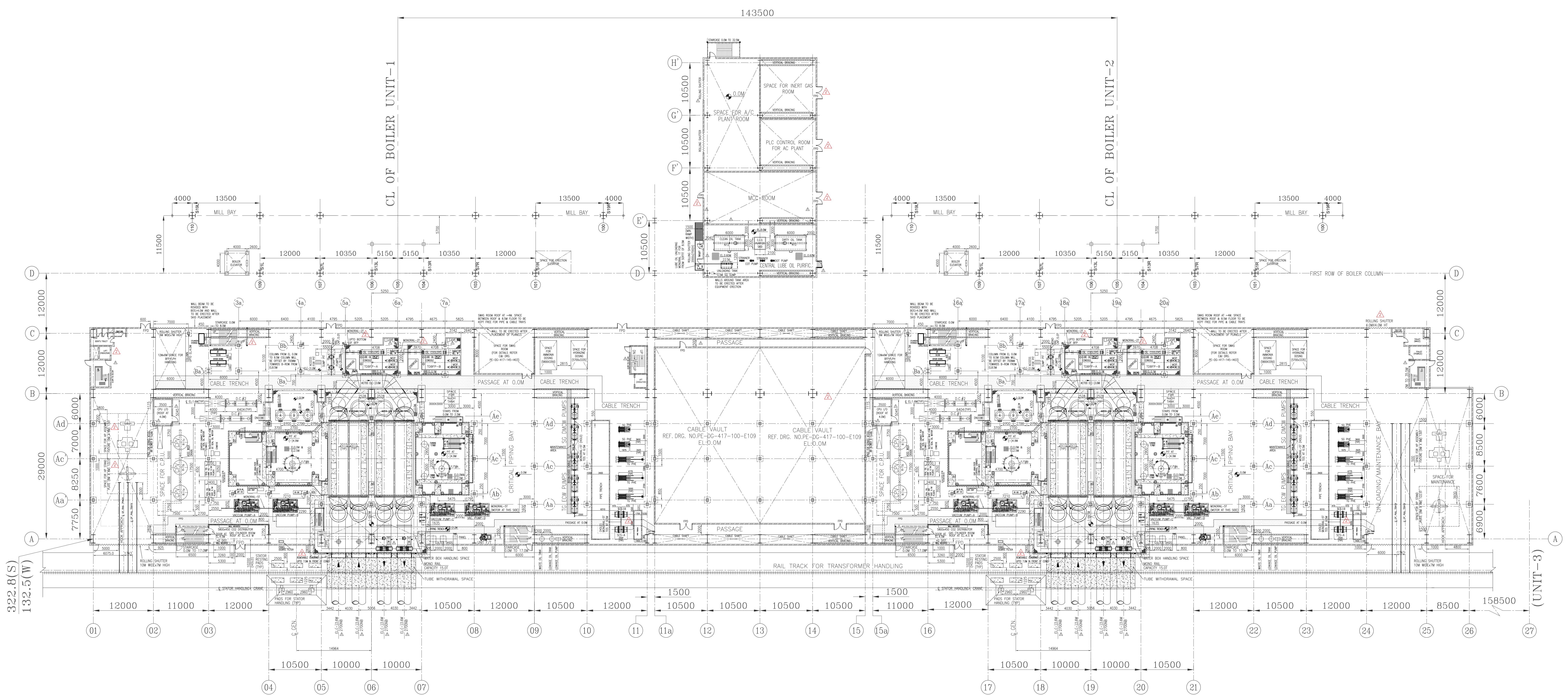
PLAN AT EL. 3.5/4.0M – UNIT 5

[illegible]

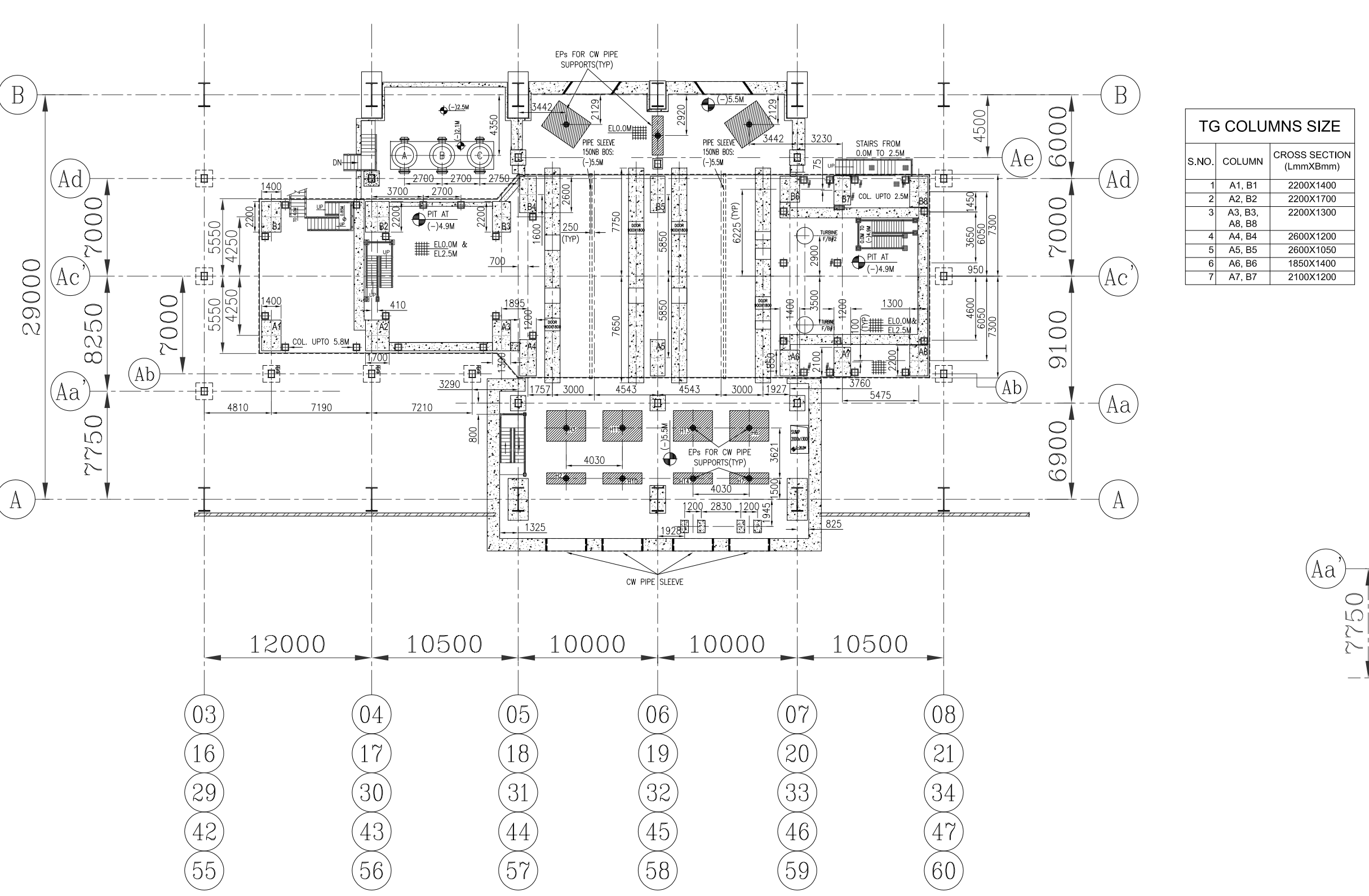


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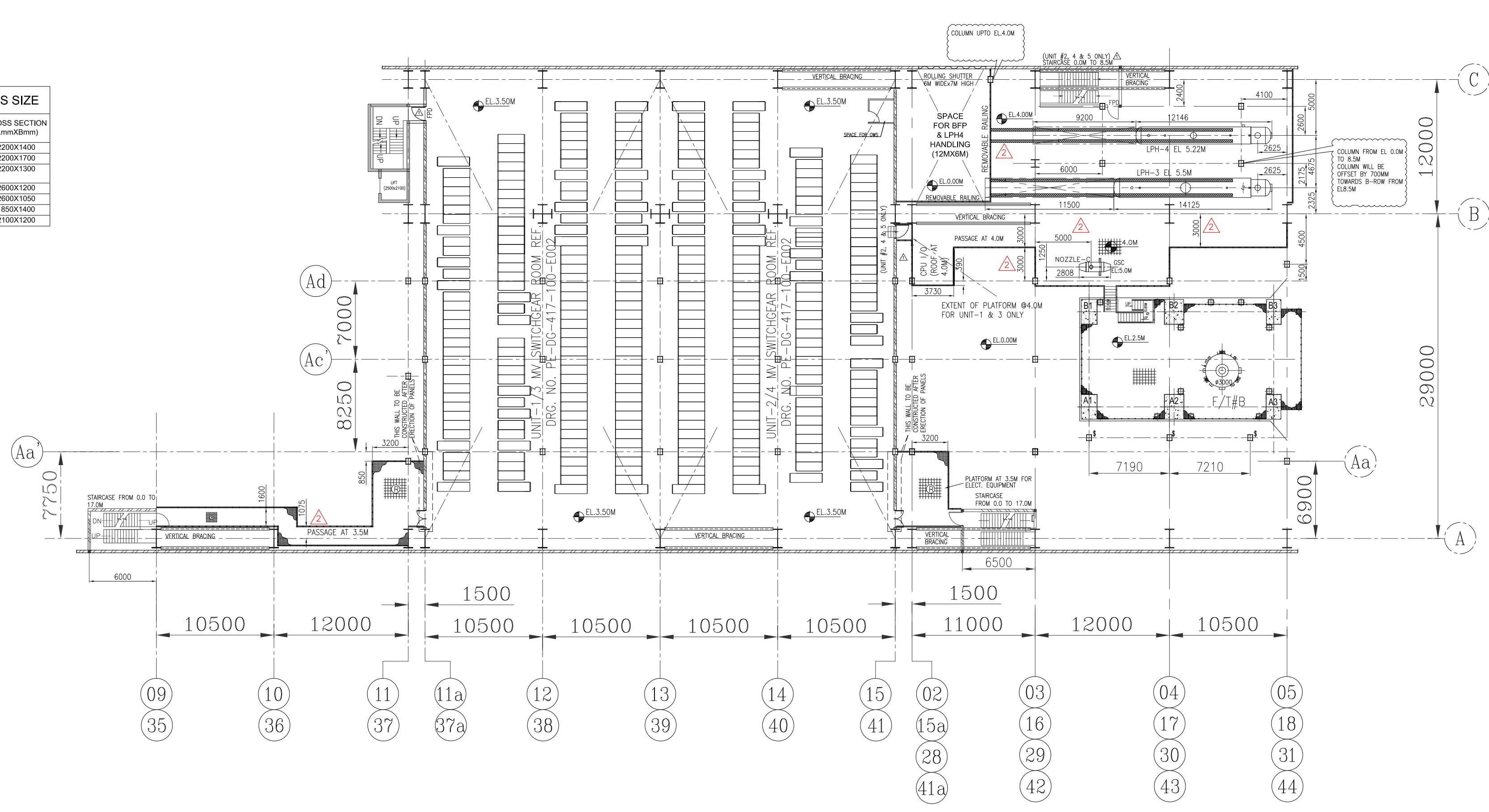
ELECTRONIC FILE NAME : 417-100-M003_P2



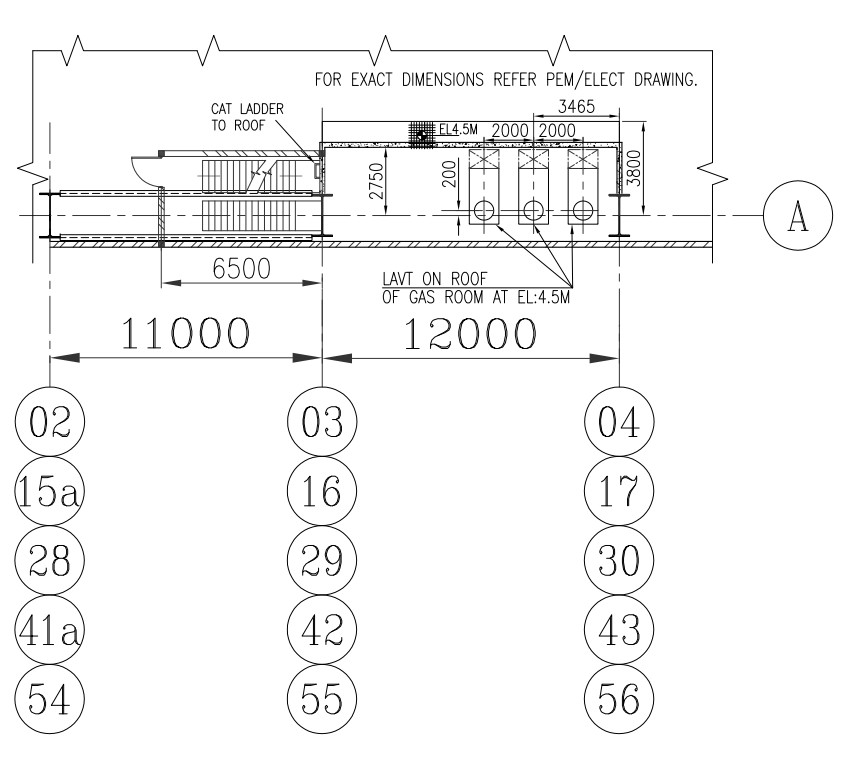
TG HALL EQUIPMENT LAYOUT PLAN AT EL 0.0M - UNIT 1&2



PLAN BELOW 0.0M



PLAN AT EL. 3.5/4.0M - UNIT 1,2 & 3,4



PLAN OVER GAS ROOM AT EL:4.5M

NOTES:-
1. FOR NOTES REFER DRG. PE-DG-417-100-M003 SHEET-02.

CIVIL TO NOTE:
\$ COLUMN FROM 0.0 TO ~13.5(BOTTOM OF OIL CAVAL)
COLUMN UPTO EL:2.5M
@ COLUMN UPTO BOTTOM OF BFP DECK
MAX BEAM DEPTH FOR PLATFORM BELOW TG DECK AT EL:2.5M TO BE RESTRICTED TO 400MM.

REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO	REV.	DATE	ALTD	CHD	APPO
01	10.08.2018				02	10.08.2018				03	10.08.2018				04	10.08.2018			
1. DRAWING REVISED IN LINE WITH CUSTOMER COMMENTS.										1. DRAWING REVISED IN LINE WITH CUSTOMER COMMENTS.									
2. OTHER CHANGES AS MARKED.										2. OTHER CHANGES AS MARKED.									

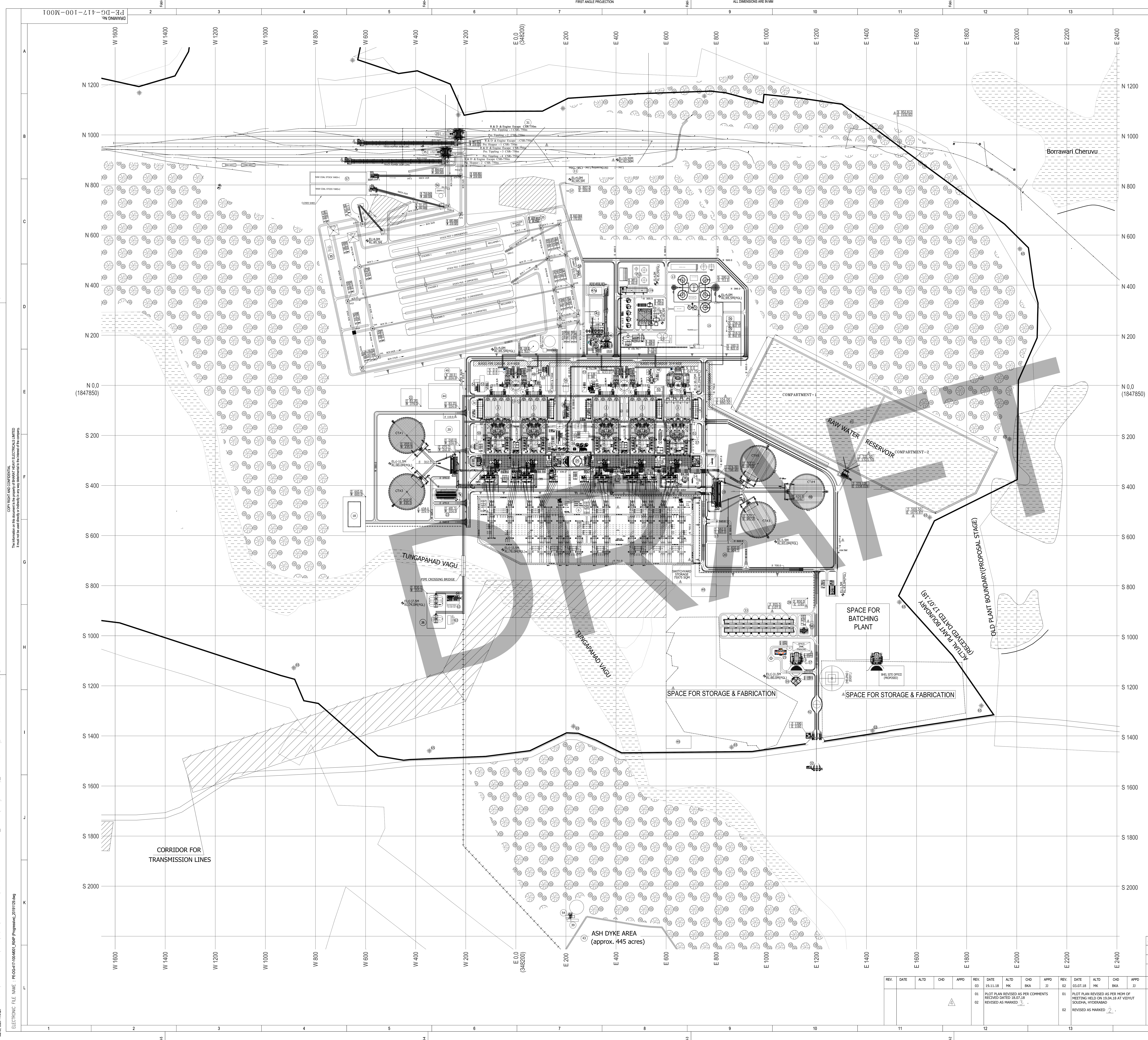
JOB NO.	417
STATUS	CONTRACT
DISTRIBUTION	

CUSTOMER:	TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA, INDIA 5x800 MW YADADRI TPS, NALGONDA
CONSULTANT:	TATA CONSULTING ENGINEERS LIMITED BANGALORE INDIA
	BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT Noida

DEPT	NAME	SIGN	DATE
DRN	RAJES/DR	SS/-	27.11.2017
DESIN	SV/DR	SS/-	27.11.2017
CHD	ERA	SS/-	27.11.2017
APPO	SS	SS/-	27.11.2017

TITLE	TG EQUIPMENT LAYOUT PLAN AT GROUND FLOOR
DEPT.	SCALE 1:100
SIGN	DRAWING NO.
	PE-DG-417-100-M003
	SHEET 1 OF 2
	REV. 02

SIZE-A0



S.No.	DESCRIPTION	CONFIG	SCOPE	ZONE
1	POWER HOUSE BLDG	-	BHEL	F-4.783
2	BLOWER	-	BHEL	F-4.783
3	ESP	-	BHEL	E-4.783
3a	ESP CONTROL BUILDING	-	BHEL	E-4.783
4	CHIMNEY	2 Nos	BHEL	E-5.783
5	TRANSFORMER YARD	-	BHEL	E-4.783
6	SWITCHYARD & SWT. CONT. ROOM	-	BHEL	F-7
7	SERVICE BLDG	2 Nos	BHEL	F-7 & F-4
8	DG BUILDING	3 Nos	BHEL	F-6.8.89
9	SPACE FOR AIR WASHER	-	BHEL	F-6.7.8.89
10	DM PLANT	COMMON	BHEL	D-8
10a	CPU REGEN PLANT	COMMON	BHEL	E-8
11	FUEL OIL UNLOADING BY RAIL/ROD	COMMON	BHEL	B-7
12	FUEL OIL TANK FARM AREA	COMMON	BHEL	D-8
12a	FUEL OIL TANK FARM PH	COMMON	BHEL	D-8
13	FIRE TREATMENT PLANT	COMMON	BHEL	D-9
14	SW OVERHEAD TANK	1 No	BHEL	F-9
15	FIRE WATER P.W. CUM TANK	COMMON	BHEL	E-8
16	CLARIFIED WATER PH CUM TANK	COMMON	BHEL	D-9
17	SOX STRIPPER FLUTERATION	2 + 3	BHEL	F-6.8.9
18	H2 GEN. PLANT & CYLINDERS SHED	COMMON	BHEL	G-5
19	CW PH & FOREBAY	2 + 3	BHEL	F-6.8.9
20	CHLORINATION & CUM TREAT. PLANT	2 + 3	BHEL	F-6.8.9
21	EFFLUENT TREAT. PLANT	COMMON	BHEL	E-9
22	SEWAGE TREAT. PLANT	COMMON	BHEL	F-6
23	ADMIN BUILDING	COMMON	TSGENCO	G-10
24	FIRE STATION BUILDING	COMMON	TSGENCO	G-10
25	CANTEEN	2 Nos	TSGENCO	F-7 & G-10
26	FLY ASH BLDG AREA	COMMON	BHEL	E-8
27	CHEMICAL LAB - (PART OF PT. PLANT)	COMMON	TSGENCO	G-10
28	WORKSHOP	COMMON	TSGENCO	G-10
29	COMPRESSOR HOUSE	2 + 3	BHEL	F-6.8.9
30	COAL STOCK AREA	COMMON	BHEL	E-4.7 & C-47
31	MANSPRING YARD, INS TSGENCO	COMMON	TSGENCO	B-1.7.9
32	GATE COMPLEX CUM SECURITY BLDG.	COMMON	TSGENCO	L-10
33	PERMANENT STORES (WAGON)	104	TSGENCO	H-8.5
34	AUXILIARY BLOWER	COMMON	BHEL	E-7.88
35	CIP ELECTRICAL BLDG. 1	1 No.	BHEL	B-8.8
36	CIP ELECTRICAL BLDG. 2	1 No.	BHEL	B-9.8
37	CIP ELECTRICAL BLDG. 3	1 No.	BHEL	G-4
38	CIP ELECTRICAL BLDG. 4	1 No.	BHEL	C-7
39	CIP ELECTRICAL BLDG. 5	1 No.	BHEL	E-7
40	CHEMICAL LAB (PCR)	2 Nos	TSGENCO	D-9
41	JACOBI HOUSE SHED	1 No.	BHEL	F-6.7.8.8.9
42	SWT. + PUMP HOUSE	2 Nos	BHEL	F-7
43	SWT. + CLAPPER, CHEM. BLDG & MCC	COMMON	BHEL	E-7
44	MOCT	1 No.	BHEL	E-6.8 & F-8.10
45	RAW WATER RESERVOIR	COMMON	TSGENCO	E-10.11
46	PVC DRAINAGE DRAINAGE STONE	COMMON	TSGENCO	L-10
47	ASH DYKE AREA, INS TSGENCO	-	TSGENCO	L-7.8
48	AMMONIA STORAGE-HANDLING PLANT	COMMON	BHEL	E-8
49	FGS	COMMON	BHEL	E-7.8.8.9
50	LIME STONE PREPARATION AREA	COMMON	BHEL	D-7.8.8
51	CYCLONE SEPARATING & STORAGE	COMMON	BHEL	D-7.8.8
52	LIME STONE STORAGE SHED	COMMON	BHEL	D-7.8.8
53	FGS MCC & CONTROL ROOM	2 Nos	BHEL	E-6.8
54	RAIN WATER HARVESTING PONDS	3 Nos	TSGENCO	G-8.8.5
55	ASH SLURRY PUMP HOUSE	3 Nos	BHEL	F-6.7.7.8
56	VACUUM PUMP HOUSE	5 Nos	BHEL	G-7.8
57	CLARIFIER & COAG. BLDG	COMMON	BHEL	D-7
58	ASH WATER PH WITH TANK	COMMON	BHEL	D-7
59	AHP COMPRESSOR HOUSE	2 Nos	BHEL	E-7.8.8.9
60	AHP ELECTRICAL BLDG. 1	1 No.	BHEL	E-7.8.8.9
61	AHP ELECTRICAL BLDG. 2	1 No.	BHEL	F-6.8.9
62	AHP ELECTRICAL BLDG. 3	1 No.	BHEL	F-6.8.9
63	AHP ELECTRICAL BLDG. 4	1 No.	BHEL	F-6.8.9
64	AHP ELECTRICAL BLDG. 5	1 No.	BHEL	F-6.8.9
65	AHP ELECTRICAL BLDG. 6	1 No.	BHEL	F-6.8.9
66	HELPING-ENGINEERING TSGENCO	TSGENCO	TSGENCO	G-10
67	GRV	13 Nos	BHEL	C-4.7.8.7
68	RAW COAL STOCKYARD	-	BHEL	C-4.5
69	COAL PUL. RUN OF POND	COMMON	BHEL	E-7
70	SIMULATOR CUM TRAINING BLDG.	COMMON	TSGENCO	H-10
71	WEIGH BRIDGE (ITEM)	1 No.	BHEL	H-10
72	11KV & 33KV SWGR	2 Nos	BHEL	F-6.8.9
73	FLY ASH EQUIPMENT TOWER	5 Nos	BHEL	E-6.7.8
74	REDI-PACK CUM BULK PLANT ELEC. 10	1 No.	BHEL	H-9
75	REDI-PACK CUM BULK PLANT ELEC. 10	1 No.	BHEL	H-9
76	BA OVER FLOW TANK CUM DRAIN SLUMP	1 No.	BHEL	F-6.7.8.8
77	WATCH TOWER	2 Nos	TSGENCO	G-10.10.11

NOTES:-

- ALL DIMENSIONS AND CO-ORDINATES ARE IN METER UNLESS NOTED OTHERWISE.
- THE FINISHED FLOOR LEVEL (F.F.) OF POWER HOUSE BUILDING GROUND FLOOR IS EL. + 0.00M WHICH CORRESPONDS TO RL. 51.5M. (i.e., 0.5M ABOVE F.F. (RL. 51.0M) IN MAIN PLANT AREA.
- CUSTOMER GRIDS HAVE BEEN CONVERTED TO PLANT GRIDS. REFERENCE POINT HAS BEEN INDICATED.
- THE APPROACH ROADS & PIPE SUPPORTING STRUCTURES SHOWN IN THIS DRAWING ARE INDICATIVE ONLY. THE SAME WILL BE FURTHER UPDATED BASED ON FINALIZATION OF RESPECTIVE FACILITIES /BUILDINGS.
- LOCATION AND SIZES OF VARIOUS BUILDINGS AND FACILITIES SHOWN ARE PRELIMINARY. THE SAME WILL BE FURTHER UPDATED BASED ON FINALIZATION OF RESPECTIVE FACILITIES /BUILDINGS.
- ALL ROADS, DRAINS AND RESPECTIVE EMBANKMENTS ARE IN TSGENCO SCOPE; FOR NON PLANT BUILDINGS SCOPE/REMARKATION SHALL BE AS PER TECHNICAL NOD DATED 04/10/2017 & REVISED LOI ED/TP/SE-III/ENE-6/YADADRI TPS, D.NO.102/17 dt. 17/10/2017.
- IN ACCORDANCE TO THE REVISED LOI DATED 17/10/2017, THE REVISION 'R02' OF THE EARLIER DEVELOPED PLOT PLAN (ON THE BASIS OF MEETINGS/DISCUSSIONS HELD WITH THE CUSTOMER ON 02/11/15 AT YADADRI SITE AND ON 06/11/15 AT KAKATIYA SITE) HAS BEEN NOW SUPERCEDED WITH THE FRESH REVISION 'R00'.
- GREEN BELT (CUSTOMER SCOPE) IS SHOWN INDICATIVELY.
- RIVER WATER INTAKE UPTO INFANT RESERVOIR IS IN CUSTOMER SCOPE.
- 20 NO. WATCH TOWERS LOCATED ALONG WITH PLANT BOUNDARY, TSGENCO/TCE CONFIRM THE LOCATION AND PATROL ROAD EXTENT ACCORDINGLY.

REFERENCE DRGS.

- TENDER STAGE PLOT PLAN-TSGENCO/VALG/RP/VRPM/01
- CONTOUR PLAN DRG

TATA

BHARAT HEAVY ELECTRICALS LTD

CUSTOMER:

CONSULTANT:

BHARAT HEAVY ELECTRICALS LTD

CONSULTANT:

CUSTOMER:

CONSULTANT:

TELANGANA STATE POWER GENERATION CORPORATION LTD

TELANGANA INDIA

YADADRI TPS (5X800 MW)

TATA CONSULTING ENGINEERS LIMITED

BANGALORE INDIA

DEPT

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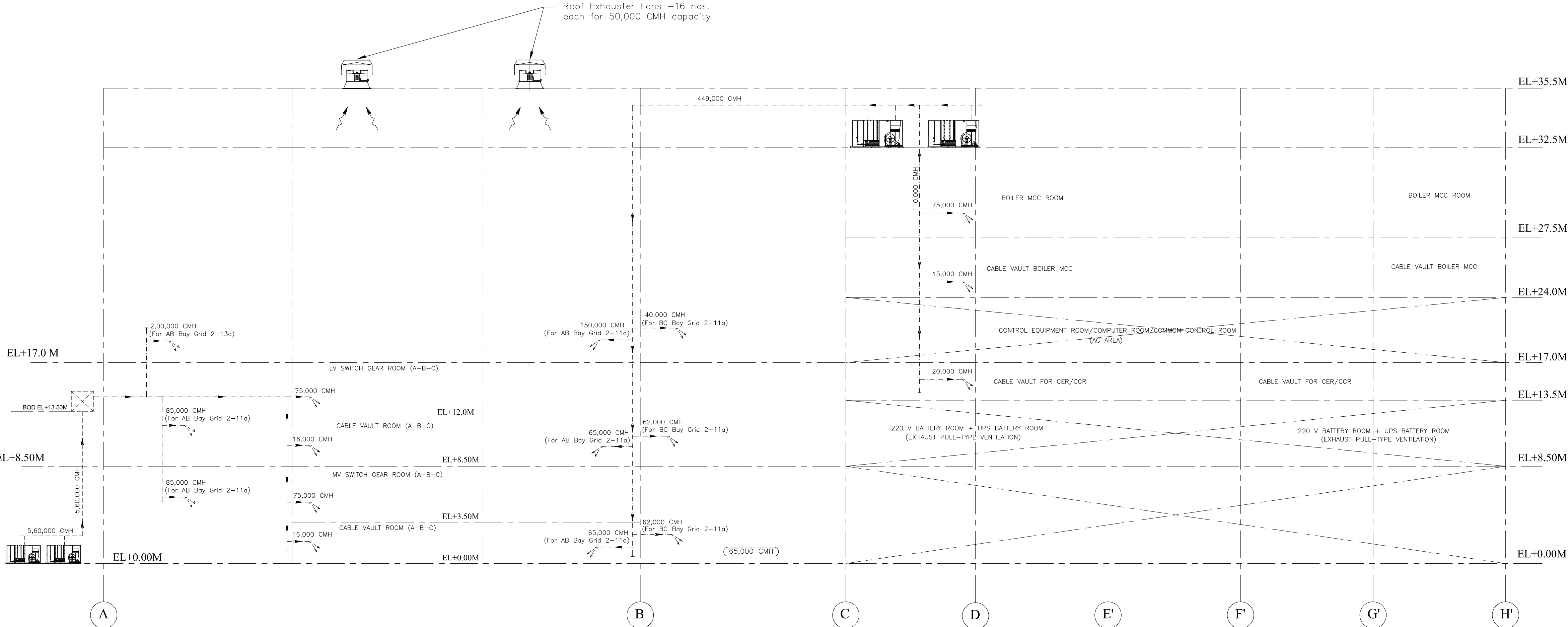
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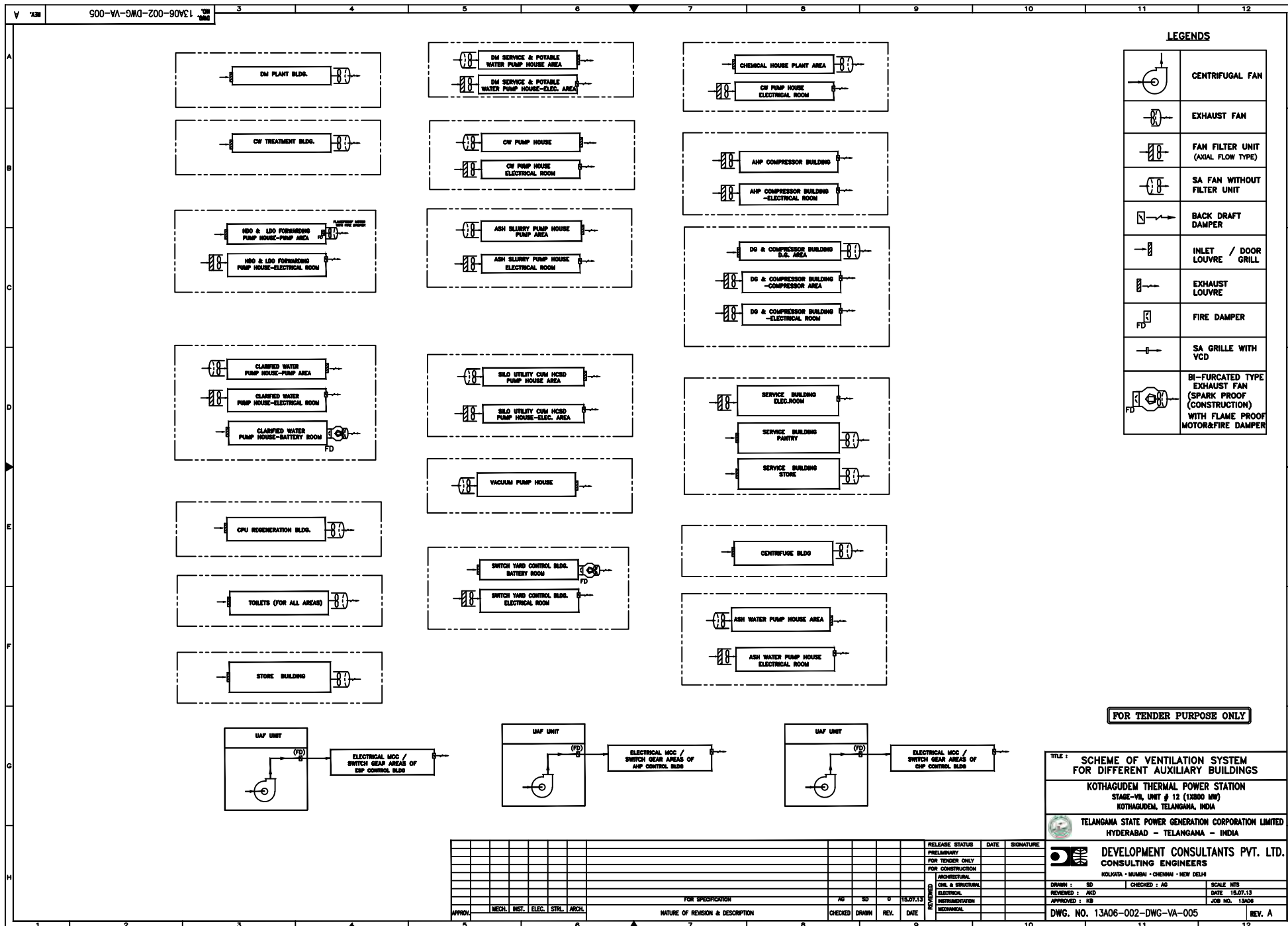


SCHEME OF AIR DISTRIBUTION FOR EACH UNIT

REFERENCE DOCUMENT/DRAWING	
REFERENCE DOCUMENT/DRAWING	REFERENCE DOCUMENT/DRAWING TITLE
PE-DG-417-100-M003	TG EQUIPMENT LAYOUT DRAWING AT GROUND FLOOR (AT EL 0.0M)
PE-DG-417-100-M004	TG EQUIPMENT LAYOUT DRAWING AT GROUND FLOOR (AT EL 8.5M)
PE-DG-417-100-M005	TG EQUIPMENT LAYOUT DRAWING AT GROUND FLOOR (AT EL 17.0M)
PE-DG-417-100-M006	TG EQUIPMENT PLAN AT MISCELLANEOUS FLOORS ABOVE OPERATING FLOOR IN BC BAY
PE-DG-417-100-M007	CROSS SECTION OF MAIN PLANT (TG BUILDING)

5 X 800 MW YADADRI TPS	
POWER HOUSE VENTILATION AIR QUANTITY CALCULATION FOR EACH UNIT	
Area	Remarks (in CMH)
A-B Bay Power House Unit#1	
EL 0.0 m - Grid 2-11a (A-B)Bay	150000
EL 8.5 m - Grid 2-11a (A-B)Bay	150000
EL 17.0 m - Grid 2-11a (A-B)Bay	300000
B-C Bay Power House Unit#1	
EL 0.0 m - Grid 2-11a (B-C)Bay	62000
EL 8.5 m - Grid 2-11a (B-C)Bay	62000
EL 17.0 m - Grid 2-11a (B-C)Bay	40000
Common grids (11a-15a)	
EL 17.0 m - Grid 11a-13a (B-C)Bay	18000
EL 17.0 m - Grid 11a-13a (A-B)Bay	42000
Total Air Quantity (CMH)	
Electrical areas in power house and Control Tower Unit# 1 & 2	
EL 0.0 m - grid 11-15, A-B-C bay Cable vault	16000
EL 3.5 m Switchgear- grid 11-15, A-B-C bay	75000
EL 8.5 m - grid 11-15, A-B-C bay Cable vault	16000
EL 12.0 m Switchgear - grid 11-15, A-B-C bay	75000
EL 13.5 m - grid 11-15, C-D-E'-F'-G'-H' bay Cable vault	20000
EL 24.0 m - grid 11-15, C-D-E'-F'-G'-H' bay Cable vault	16000
EL 27.5 m Switchgear - grid 11-15, C-D-E'-F'-G'-H' bay	75000
Total Air Quantity (CMH)	
Battery Room Air Quantity at 8.5M	
Grand Total Air Quantity (CMH)	
Total Quantity of air Supplied (CMH)	
Total quantity of air to be exhausted considering 65%	
For 50000 CMH capacity of RE Unit Fan, Total Quantity envisaged is	
2 Nos Air Washer of 2,80,000 CMH each placed in A-Row & 2 Nos Air Washer of 2,80,000 CMH each placed in BC Bay has been selected	

	CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD TELANGANA, INDIA 5 x 800 MW YADADRI TPS, NALGONDA
	OWNER'S CONSULTANT: BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA
JOB NO. 417 STATUS CONTRACT DISTRIBUTION	DEPT CODE NAME SIGN DATE
REV. DATE ALTD CHD APPD	DEPT. SCALE SIGN
TITLE AIR FLOW DIAGRAM FOR TG BUILDING	
DRAWING NO. PE-DG-417-554-A001 SHEET 1 OF 1 REV. 0	



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