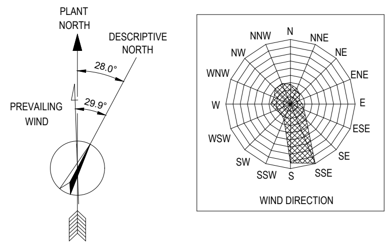
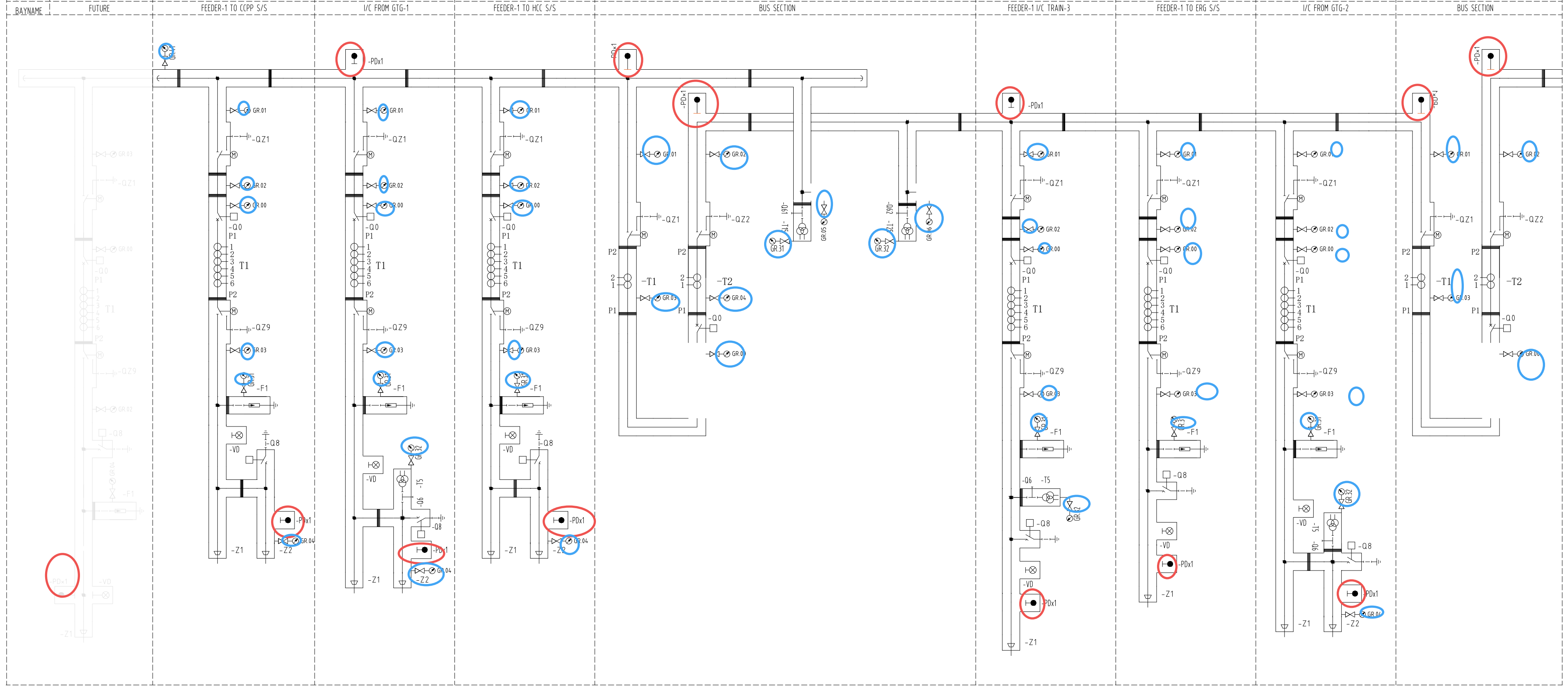
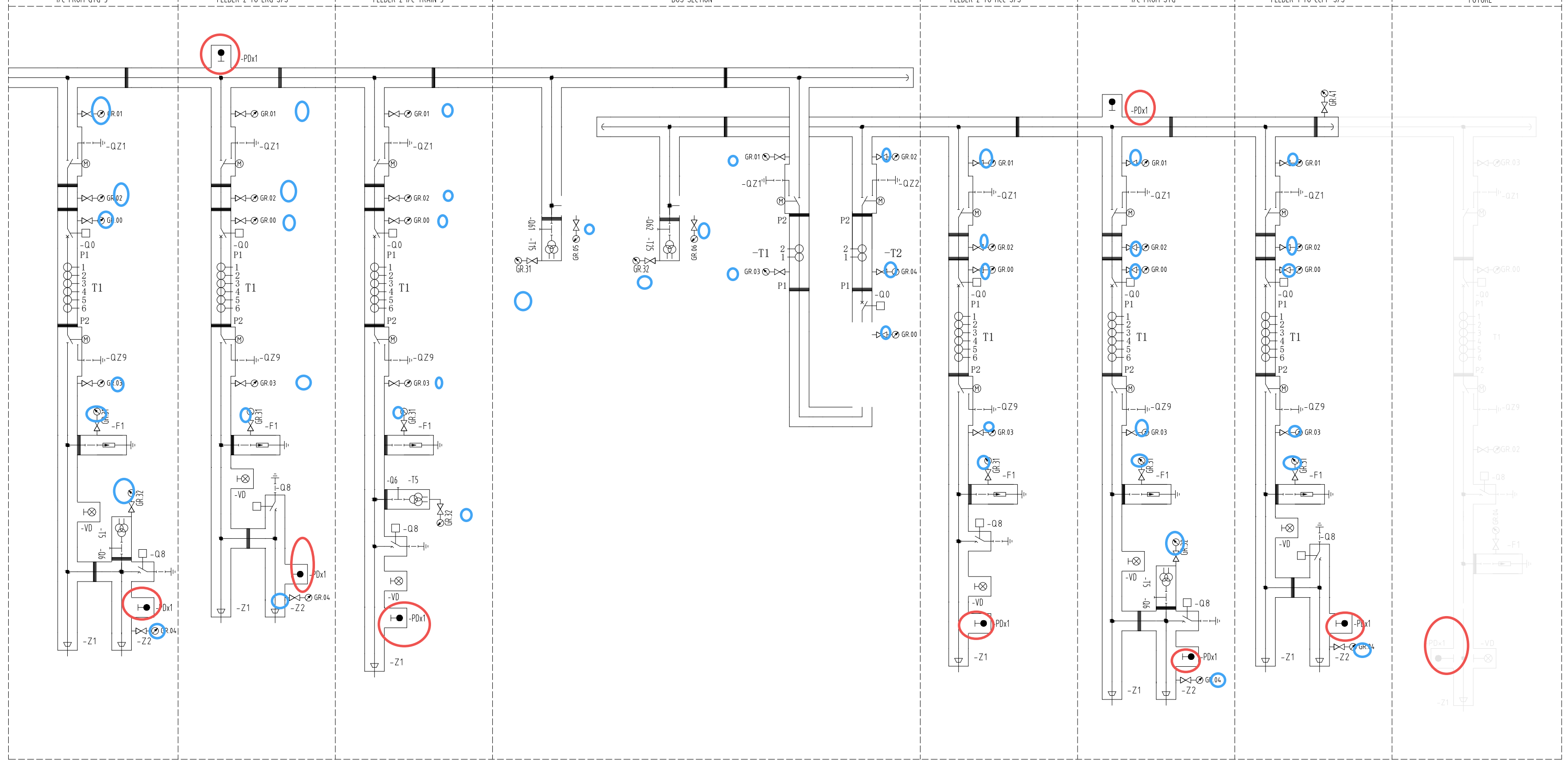


SERIALNO	XXX	31 302 144	31 302 145	31 302 146	31 302 147	31 302 148	31 302 149	31 302 150	31 302 151
BAYNO	=F01	=F02	=F03	=F04	=F05	=F06	=F07	=F08	=F09
BAYNAME	FUTURE	FEEDER-1 TO CCPP S/S	I/C FROM GTG-1	FEEDER-1 TO HCC S/S	BUS SECTION	FEEDER-1 I/C TRAIN-3	FEEDER-1 TO ERG S/S	I/C FROM GTG-2	BUS SECTION



31 302 152	31 302 153	31 302 154	31 302 155	31 302 156	31 302 157	31 302 158	XXX
=F11	=F11	=F12	=F13	=F14	=F15	=F16	=F17
I/C FROM GTG-3	FEEDER-2 TO ERG S/S	FEEDER-2 I/C TRAIN-3	BUS SECTION	FEEDER-2 TO HCC S/S	I/C FROM STG	FEEDER-1 TO CCPP S/S	FUTURE



EQUIPMENT TECHNICAL DATA	
Type of switchgear	8DN8
Rated voltage	72.5KV
Rated frequency	50HZ
Rated lightning impulse withstand voltage	325kV
Rated short-time power frequency withstand voltage	140KV
Rated current-Busbar	3150A
Rated current-Feeder	1250A
Rated short-time withstand current	40kA
Rated duration of short-time withstand current	3S
Ambient indoor temperature	-5...+40 ℃
Ambient outdoor temperature	-5...+40 ℃
Attitude above sea level	<1000m
Color	RAL1013

PRESSURE (GAUGE PRESSURE AT20℃)	
Module	Filling
Circuit breaker	5.6bar
Voltage transformer	5.6bar
Others/Surge arrestor	4.5bar

SURGE ARRESTOR	
Rated voltage	60kV
Maximum residual voltage	144kV
Nominal discharge current	10kA
line discharge class	3
SA with removably conductor	

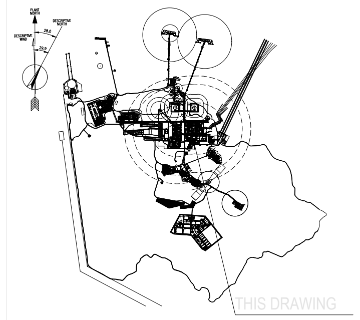
705752 VOLTAGE TRANSFORMER

BAY-SYMBOL	CORE	RATIO(kV)	BURDEN(VA)	CLASS
=F02 F05 F07 F09 F11 F14-T5 =F04 F12-T15 =F04 F12-T25	1	$\frac{66}{\sqrt{3}}/\frac{0.11}{\sqrt{3}}$	50	0.5/3P
	2	$\frac{66}{\sqrt{3}}/\frac{0.11}{\sqrt{3}}$	50	0.5/3P

T5 T15 T25 are 3-phase Votage Transformer with integrated isolating link

Rated voltage factor and maximum operating voltage / duration: 1.2Un Continuous / 1.5Un 30s

BAY-SYMBOL	CORE	RATIO(A)	BURDEN(VA)	CLASS	VK(V)	IM(mA)	RCT(Ω)	"Rated Continuous Thermal Current"	EARTHING	LEN. OF ELE.
=F03 F08 F10 F15 -T1	1	800/1	20	5P20			5	150%		591
	2	800/1	20	5P20			5	150%		
	3	800/1	20	5P20			5	150%		
	4	800/1	15	0.5			4	150%		
	5	3150/1	20	5P20			5	150%		
	6	3150/1	20	5P20			5	150%	P2	
=F06 F12 -T1	1	400/1	20	5P20			5	150%		591
	2	400/1	30	5P20			5	150%		
	3	400/1	20	5P20			5	150%		
	4	400/1	15	0.5			4	150%		
	5	3150/1	20	5P20			5	150%		
	6	3150/1	20	5P20			5	150%	P2	
=F02 F04 F11 F14 -T1	1	1250/1	10	PX	800	25	5	150%		591
	2	1250/1	10	PX	800	25	5	150%		
	3	1250/1	30	5P20			4	150%		
	4	1250/1	30	0.5			5	150%		
	5	3150/1	30	PX	1000	10	15	150%		
	6	3150/1	30	PX	1000	10	15	150%	P2	
=F07 F16 -T1	1	200/1	10	5P20			5	150%		591
	2	200/1	10	5P20			5	150%		
	3	200/1	30	5P20			4	150%		
	4	200/1	30	0.5			5	150%		
	5	3150/1	30	5P20			15	150%		
	6	3150/1	30	5P20			15	150%	P2	
=F05 F09 F13-T1	1	3150/1	30	5P20			5	150%		380
	2	3150/1	30	PX	1000	10	15	150%	P2	
=F05 F09 F13-T2	1	3150/1	30	PX	1000	10	15	150%		380
	2	3150/1	10	0.5			5	150%	P2	



KEY PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT FOR COORDINATES AND ELEVATIONS WHICH ARE IN METRES U.N.O
2. ALL PLANT ELEVATIONS ARE RELATIVE TO MEAN SEA LEVEL (MSL). MSL IS 2.15m ABOVE LOWEST ASTRONOMICAL TIDE (LAT). PLANT ELEVATION: EL 0m = MSL + 0m = LAT + 2.15m

LEGEND

Symbol	Equipment
	Circuit breaker
	Current transformer
	Disconnector-earthing switch (Insulated)
	High-Speed earthing switch (Insulated)
	Voltage transformer (With integrated isolating link)
	Surge arrestor (With removable conductor)
	Cable sealing end
	voltage detector
	Partial discharge detector
	Gas tighted bushing
GR.01	Density meter and gas comp. No.

REV.	DATE	DESCRIPTION	DRAWN	CHKD	APRD
00	29-07-2025	For approval	CHEN BW	LU QL	ZHANG FL

REVISIONS

REFERENCE DRAWINGS	DWG NO.	TITLE
	UCC-261-ONE-EL-WPI-1009	CCPP 66kV Single Line Diagram CCPP

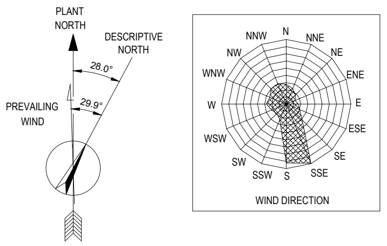
TANGGUH UCC PROJECT-ONSHORE EPCI

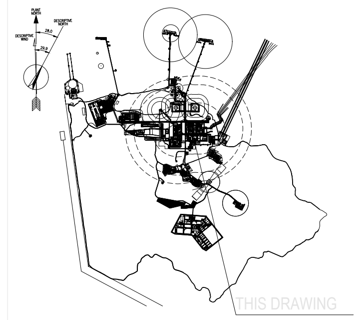
skkmigas IOG 4.0 bp

PT JGC INDONESIA

66kV Single Line Diagram CCPP

JOB CODE	SECURITY CLASIFICATION	DOC. CLASS
0-0847-00-0000	GENERAL	1
CONTRACTOR-VENDOR DRAWING NO.		SCALE
V-2181-411-AR-EIC-207		1/1
COMPANY-VENDOR DRAWING NO.	SIZE	REV.
UCC-2181411AR-C02-0001	A	00





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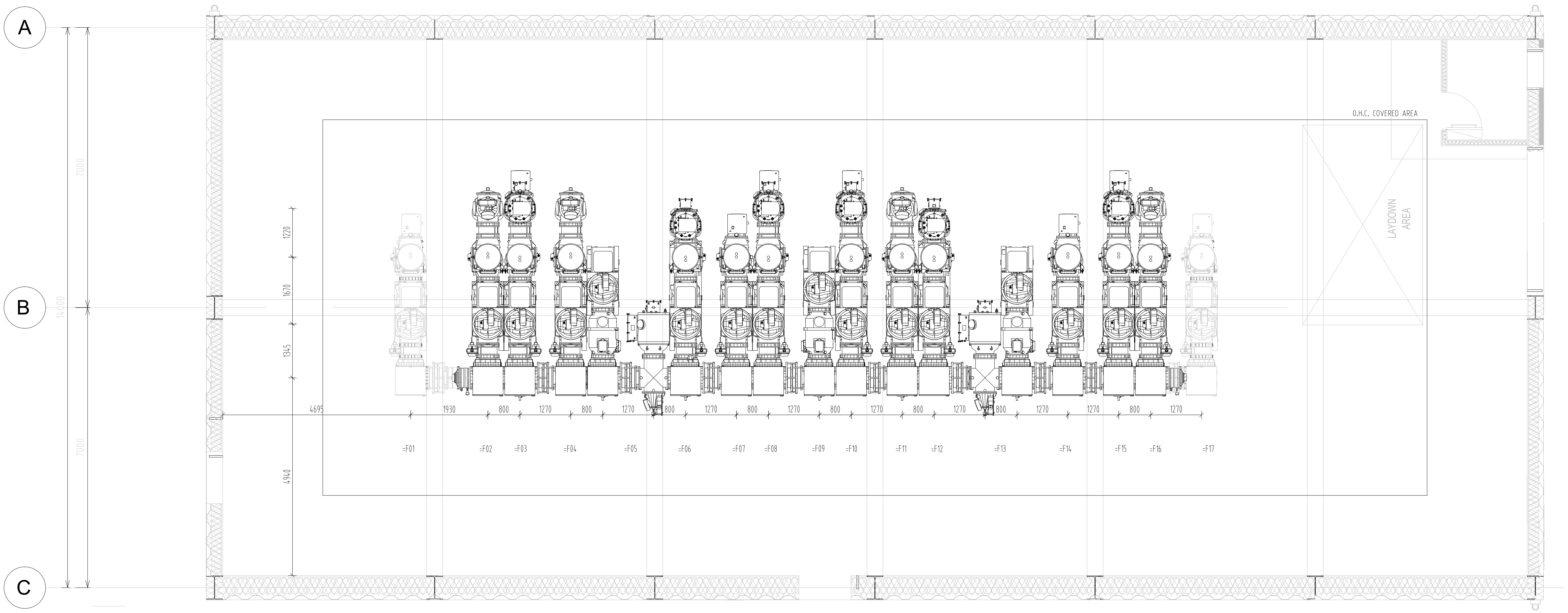
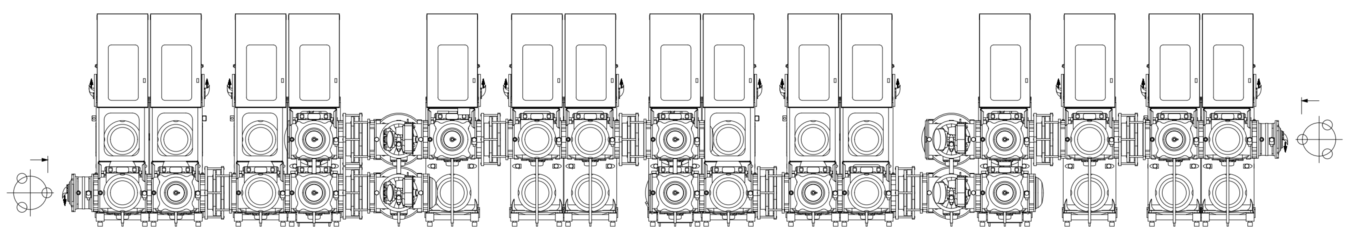
LEGEND





note:

a) There may be slight difference between the appearance of the module in the figure and the actual situation, but it will not affect the function and use of the equipment, and the final delivery shall prevail;

b) Maximum transport unit weight: 5000kG, maximum transport unit size(length×width×height) :5000mm×1500mm×3300mm;

c) The size of the door for transportation and maintenance is(width×height) 3000mm × 4000mm;

d) HV cable according to IEC62271-209,L5=310mm;

e) F01 F17 are future bay.

REV.	DATE	DESCRIPTION	DRAWN	CHKD	APRD
00	29-07-2025	For approval	CHEN BW	LU QL	ZHANG FL

REVISIONS

REFERENCE DRAWINGS	DWG NO.	TITLE
	UCC-2181411AR-C02-0001	66kV Single Line Diagram CCPP

TANGGUH UCC PROJECT-ONSHORE EPCI

skkmigas IOG 4.0 bp

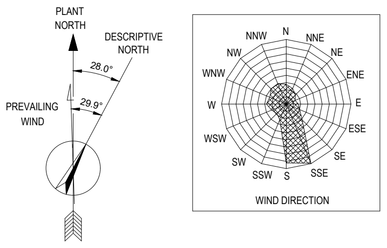
PT JGC INDONESIA

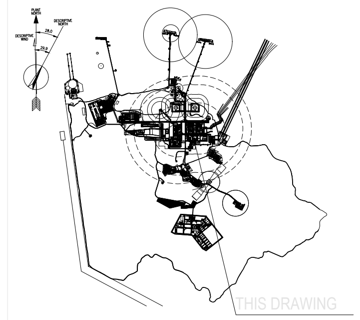
66kV GIS CCPP Layout

JOB CODE	SECURITY CLASIFICATION	DOC. CLASS
0-0847-00-0000	GENERAL	1

CONTRACTOR-VENDOR DRAWING NO.	SCALE
V-2181-411-AR-DGN-001	1/1

COMPANY-VENDOR DRAWING NO.	SIZE	REV.
UCC-2181411AR-E01-0001	A	00





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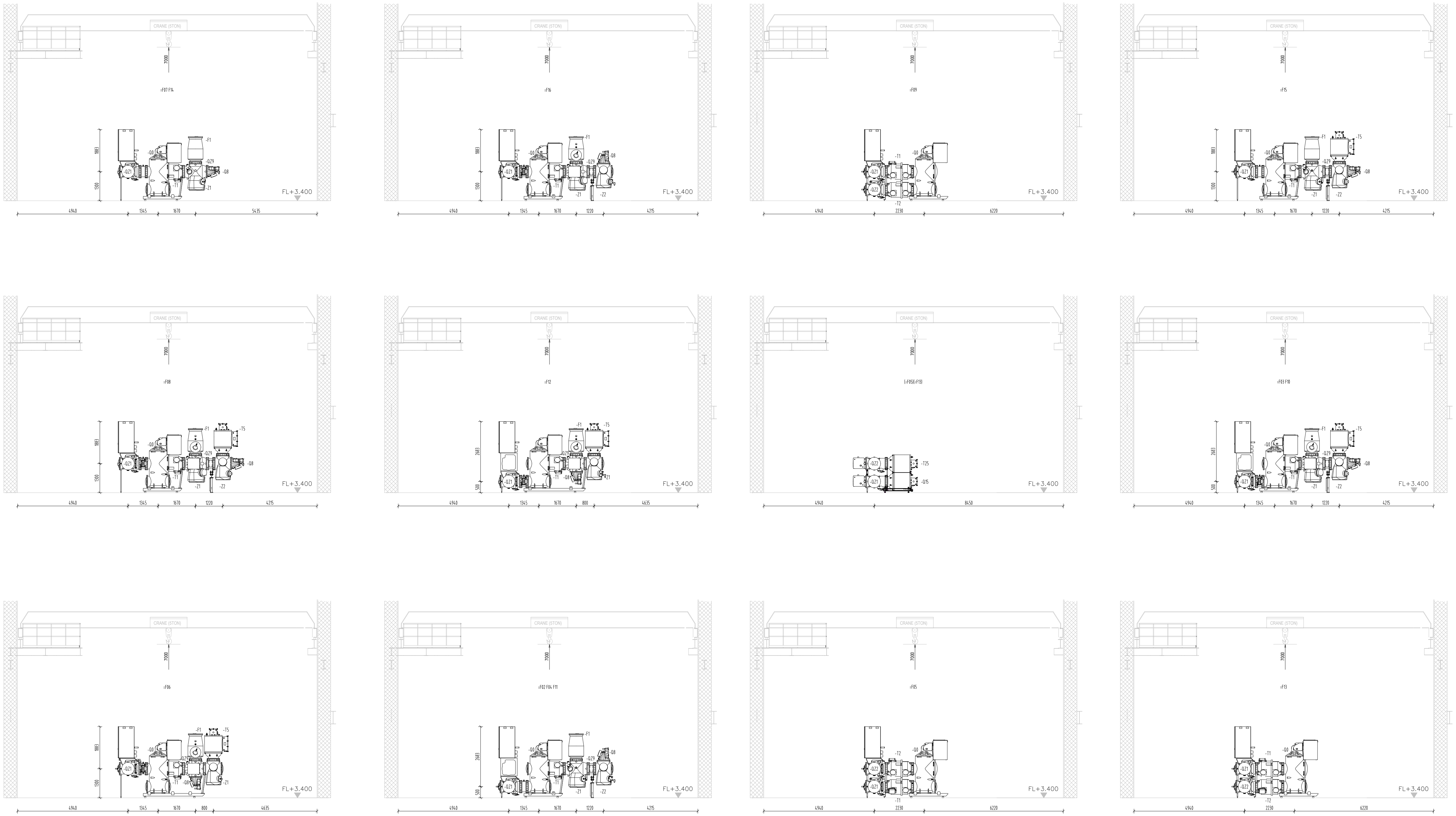
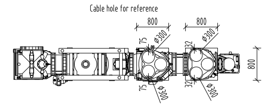
LEGEND





REV.	DATE	DESCRIPTION	DRAWN	CHKD	APRD
00	29-07-2025	For approval	CHEN BW	LU QL	ZHANG FL

REVISIONS

REFERENCE DRAWINGS	DWG NO.	TITLE
	UCC-2181411AR-C02-0001	66kV Single Line Diagram CCPP

TANGGUH UCC PROJECT-ONSHORE EPCI

PT JGC INDONESIA

66kV GIS CCPP Section

JOB CODE	SECURITY CLASIFICATION	DOC. CLASS
0-0847-00-0000	GENERAL	1

CONTRACTOR-VENDOR DRAWING NO.	SCALE	
V-2181-411-AR-DGN-002	1/1	
COMPANY-VENDOR DRAWING NO.	**SIZE**	**REV.**
UCC-2181411AR-E01-0002	A	00