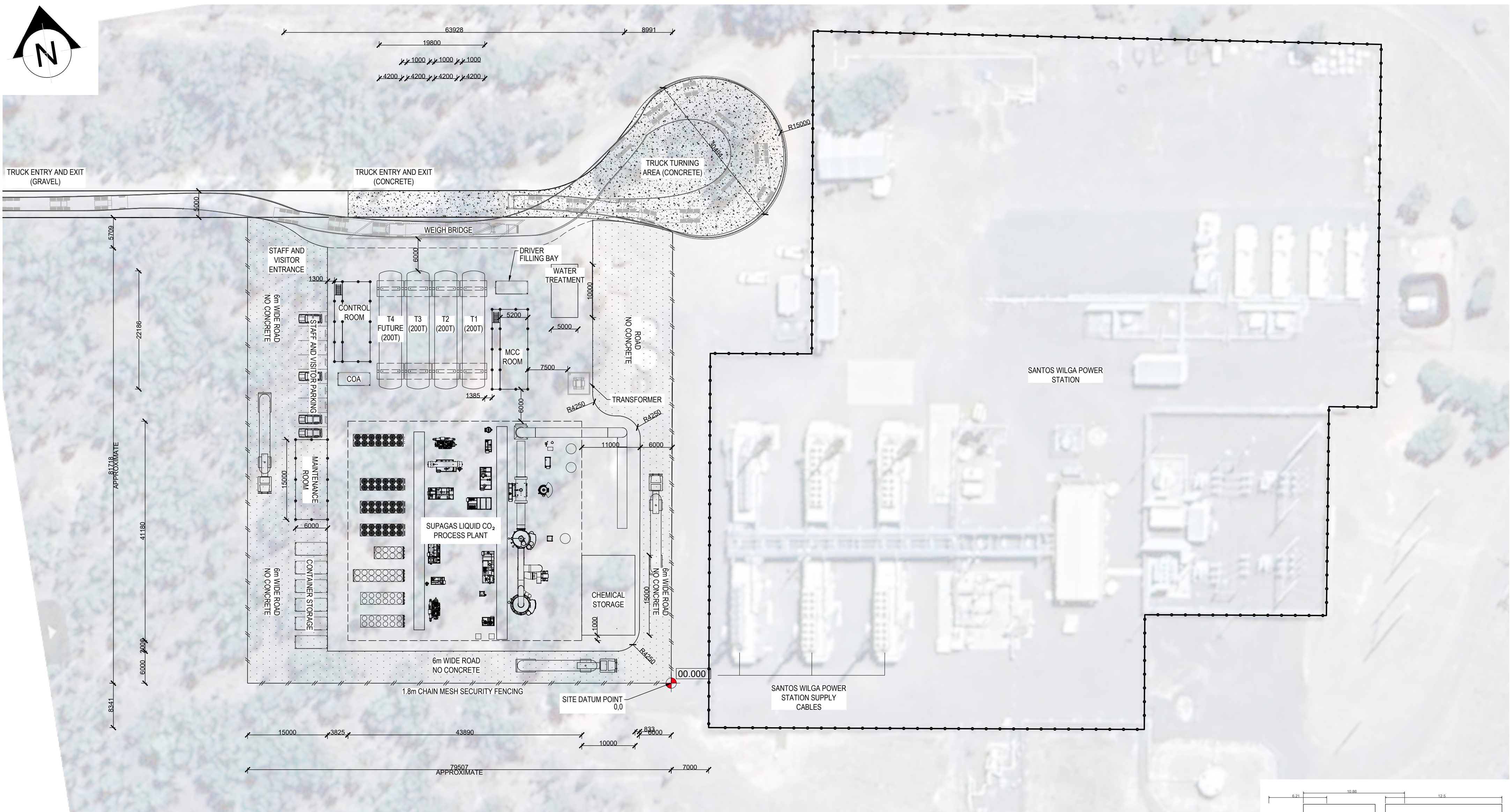


Appendix O

Design drawings



LEGEND

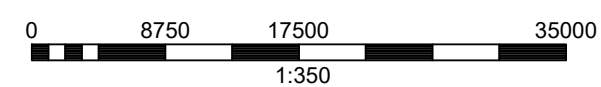
SUPAGAS PLANT.

SANTOS POWER STATION.

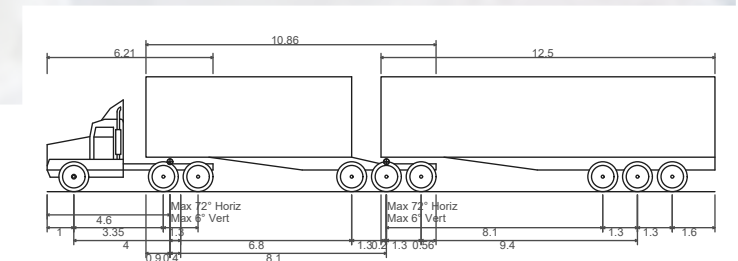
CIVIL AND STATION
DATUM POINT

NOTES:

1. ALL DIMENSION IN mm UNLESS OTHERWISE NOTED.



SITE LOCATION - PLAN
SCALE 1:350



B-Double (25.0m)	
Overall Length	25.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	15.000m

							DESIGNED	SUPAGAS	
							DATE	13.03.25	
							DRAWN	JASON LITTLE	
							DATE	13.03.25	
							CHECKED	YOGESH SHARMA	
							DATE	13.03.25	
							APPROVED BY	BEN VOCALE	
							DATE	13.03.25	
							PRO APP'D	REZA POURDARVISH	
							DATE	13.03.25	
			2	21.05.26	UPDATED EQUIPMENT AREA	JL	YS		
			1	17.02.26	CONTOURS AND RL ADDED	JL	YS	SCALE	
BRA-LAY-IND-NSW-01	PROPOSED PLANT SITE LAYOUT		0	13.03.25	INITIAL ISSUE	JL	YS		
DRAWING NUMBER	DRAWING DESCRIPTION	REV	DATE		REVISION DESCRIPTION	DRN	CHK	AS SHOWN	A

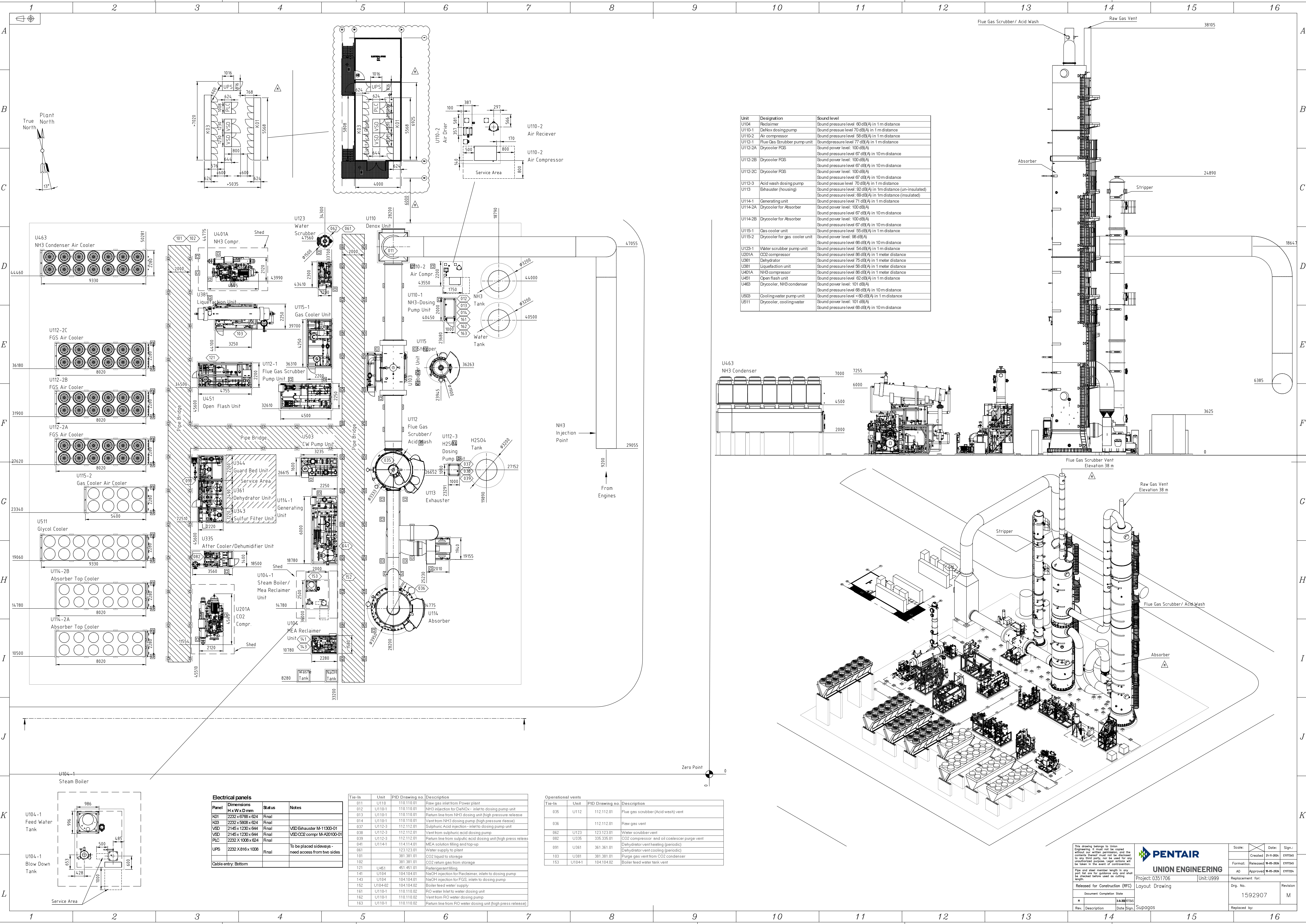


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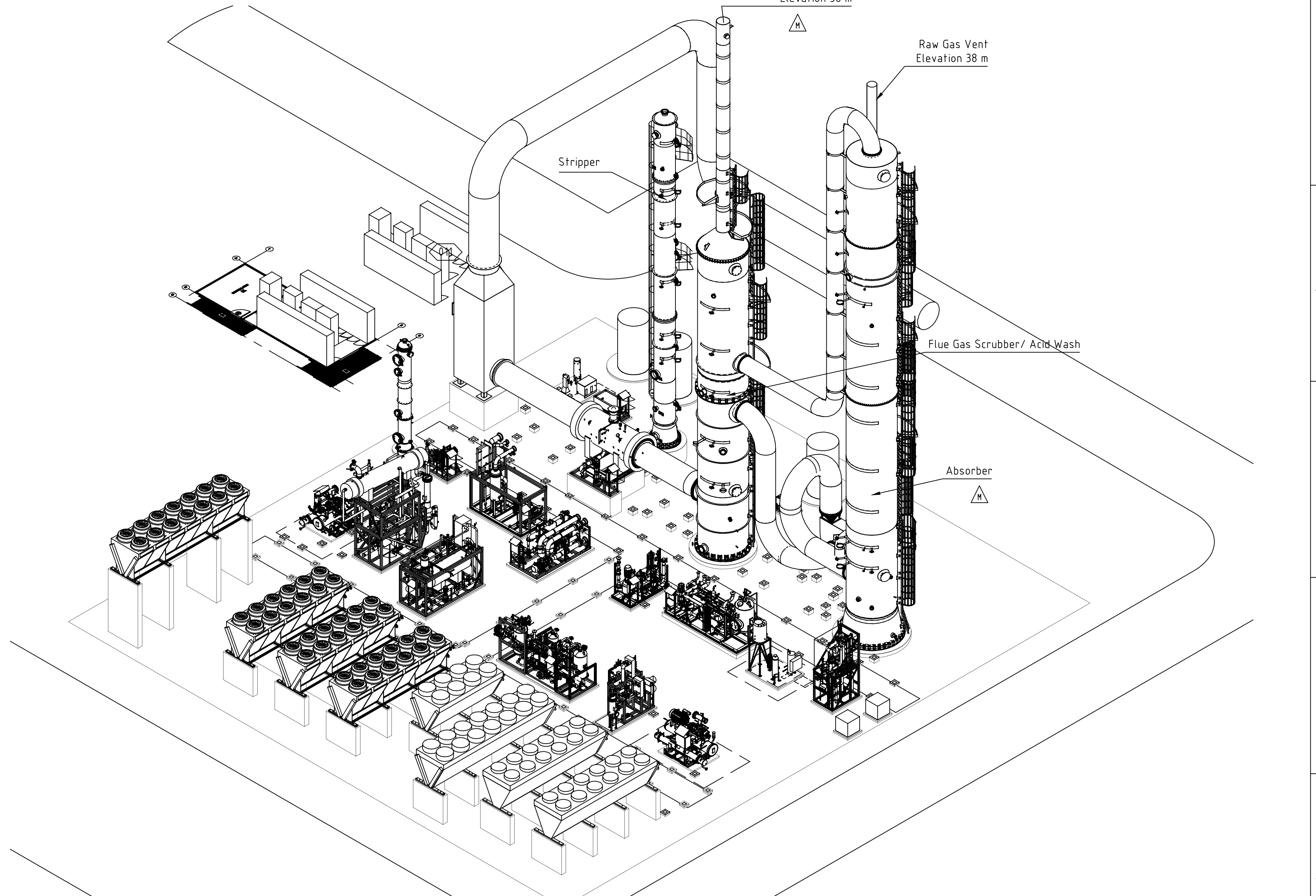
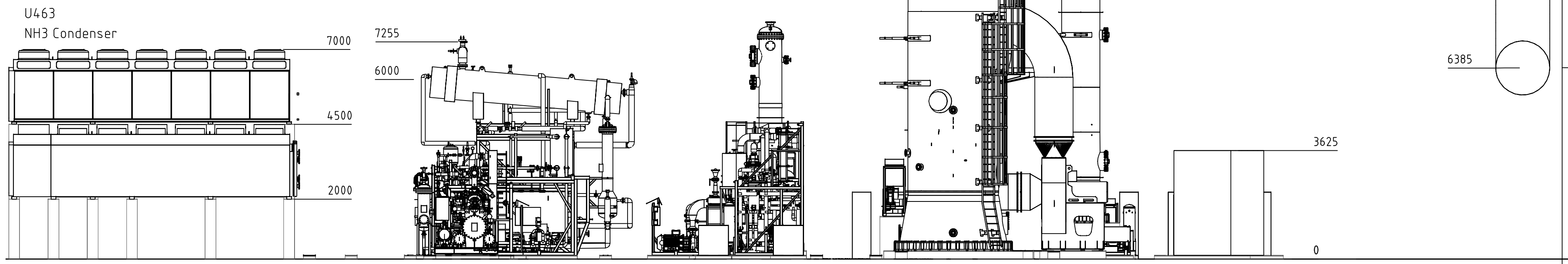
SHEET
PROPOSED PLANT SITE LAYOUT
SITE
KIANDOO LANE,
BOHENA CREEK
NSW 2390 (AUSTRALIA)

DWG NO
BRA-LAY-IND-NSW-01

EV



Unit	Designation	Sound level
U104	Reclaimer	Sound pressure level 60 dB(A) in 1 m distance
U110-1	DeNox dosing pump	Sound pressure level 70 dB(A) in 1 m distance
U110-2	Air compressor	Sound pressure level 58 dB(A) in 1 m distance
U112-1	Flue Gas Scrubber pump unit	Sound pressure level 77 dB(A) in 1 m distance
U112-2A	Drycooler FGS	Sound power level: 100 dB(A) Sound pressure level 67 dB(A) in 10 m distance
U112-2B	Drycooler FGS	Sound power level: 100 dB(A) Sound pressure level 67 dB(A) in 10 m distance
U112-2C	Drycooler FGS	Sound power level: 100 dB(A) Sound pressure level 67 dB(A) in 10 m distance
U112-3	Acid wash dosing pump	Sound pressure level 70 dB(A) in 1 m distance
U113	Exhauster (housing)	Sound pressure level: 92 dB(A) in 1 m distance (un-insulated) Sound pressure level: 69 dB(A) in 1 m distance (insulated)
U114-1	Generating unit	Sound pressure level 71 dB(A) in 1 m distance
U114-2A	Drycooler for Absorber	Sound power level: 100 dB(A) Sound pressure level 67 dB(A) in 10 m distance
U114-2B	Drycooler for Absorber	Sound power level: 100 dB(A) Sound pressure level 67 dB(A) in 10 m distance
U115-1	Gas cooler unit	Sound pressure level 55 dB(A) in 1 m distance
U115-2	Drycooler for gas cooler unit	Sound power level: 96 dB(A) Sound pressure level 66 dB(A) in 10 m distance
U123-1	Water scrubber pump unit	Sound pressure level 54 dB(A) in 1 m distance
U201A	CO2 compressor	Sound pressure level 86 dB(A) in 1 meter distance
U361	Dehydrator	Sound pressure level 75 dB(A) in 1 meter distance
U381	Liquefaction unit	Sound pressure level 56 dB(A) in 1 meter distance
U401A	NH3 compressor	Sound pressure level 86 dB(A) in 1 meter distance
U451	Open flash unit	Sound pressure level 62 dB(A) in 1 m distance
U463	Drycooler, NH3 condenser	Sound power level: 101 dB(A) Sound pressure level 68 dB(A) in 10 m distance
U503	Cooling water pump unit	Sound pressure level < 60 dB(A) in 1 m distance
U511	Drycooler, cooling water	Sound power level: 101 dB(A) Sound pressure level 68 dB(A) in 10 m distance



Electrical panels			
Panel	Dimensions H x W x D mm	Status	Notes
K01	2232 x 6768 x 624	Final	
K03	2232 x 5636 x 624	Final	
VSD	2145 x 1230 x 644	Final	VSD Exhauster M-11300-01
VSD	2145 x 1230 x 644	Final	VSD CO2 compr M-A20100-01
PLC	2232 x 1008 x 624	Final	
UPS	2232 x 816 x 1008	Final	To be placed sideways - need access from two sides
Cable entry: Bottom			

Tie-In	Unit	PID Drawing no.	Description
011	U110	110.110.01	Raw gas inlet from Power plant
012	U110-1	110.110.01	NH3 injection for DeNox - inlet to dosing pump unit
013	U110-1	110.110.01	Return line from NH3 dosing unit (high pressure release)
014	U110-1	110.110.01	Vent from NH3 dosing pump (high pressure release)
017	U112-3	112.112.01	Sulphuric Acid injection - inlet to dosing pump unit
038	U112-3	112.112.01	Vent from sulphuric acid dosing pump
039	U112-3	112.112.01	Return line from sulphuric acid dosing unit (high press release)
041	U114-1	114.114.01	MEA solution filling and top-up
061		123.123.01	Water supply to plant
101		381.381.01	CO2 liquid to storage
102		381.381.01	CO2 return gas from storage
121	U451	451.451.01	Refrigerant filling
141	U104	104.104.01	NaOH injection for Reclaimer, inlet to dosing pump
143	U104	104.104.01	NaOH injection for FGS, inlet to dosing pump
152	U104-02	104.104.02	Boiler feed water supply
161	U110-1	110.110.02	RO water inlet to water dosing unit
162	U110-1	110.110.02	Vent from RO water dosing pump
163	U110-1	110.110.02	Return line from RO water dosing unit (high press release)

Operational vents			
Tie-In	Unit	PID Drawing no.	Description
035	U112	112.112.01	Flue gas scrubber (Acid wash) vent
036		112.112.01	Raw gas vent
062	U123	123.123.01	Water scrubber vent
082	U335	335.335.01	CO2 compressor and oil cooler purge vent
091	U361	361.361.01	Dehydrator vent heating (periodic)
103	U381	381.381.01	Dehydrator vent cooling (periodic)
103	U381	381.381.01	Purge gas vent from CO2 condenser
153	U104-1	104.104.02	Boiler feed water tank vent

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AD Approved: 14-05-2024 E117245

Replacement for:

Drwg. No. 1592907

Revision M

Replaced by:

Project: 0351706

Unit: U999

Layout Drawing

Supagas