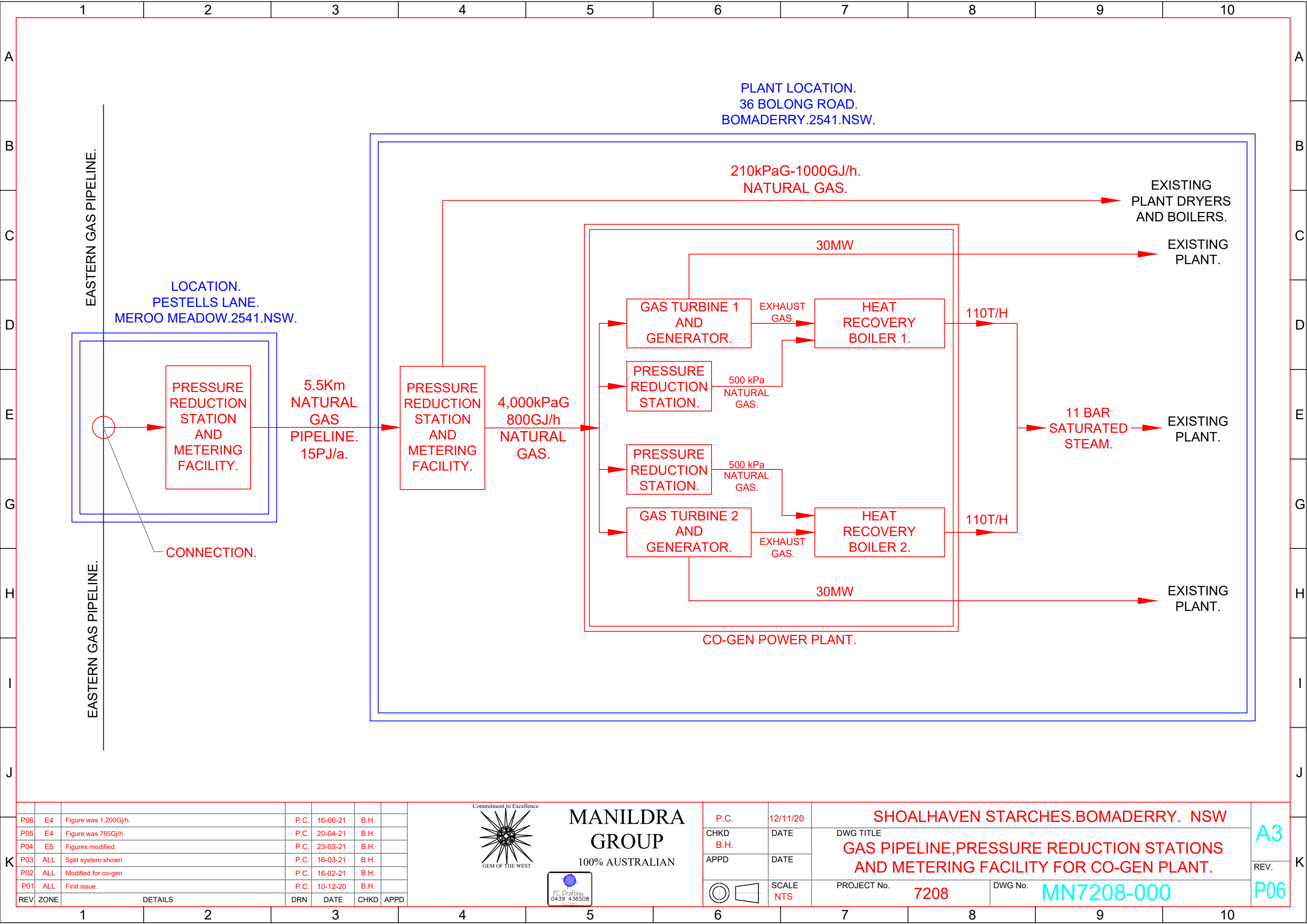
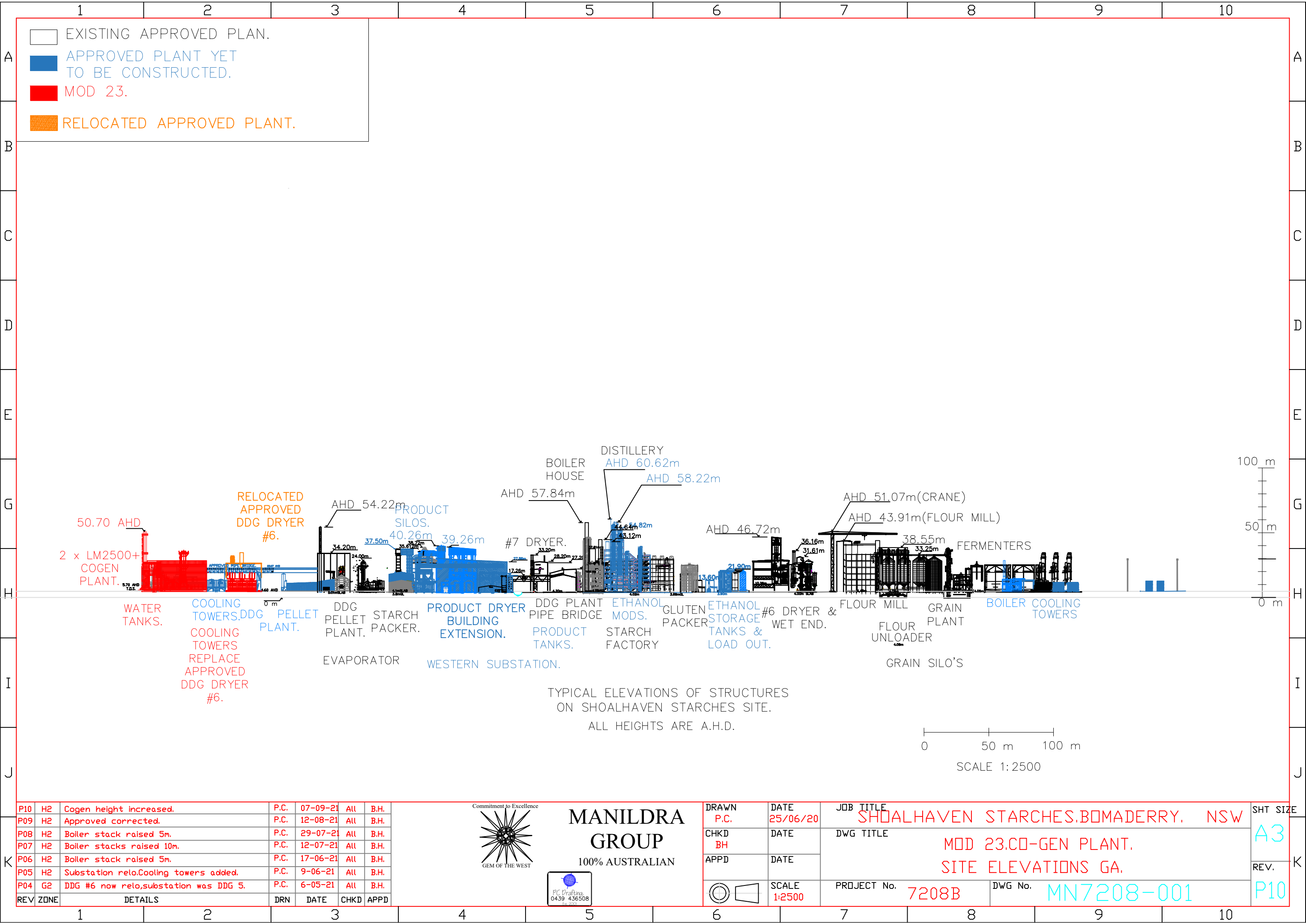
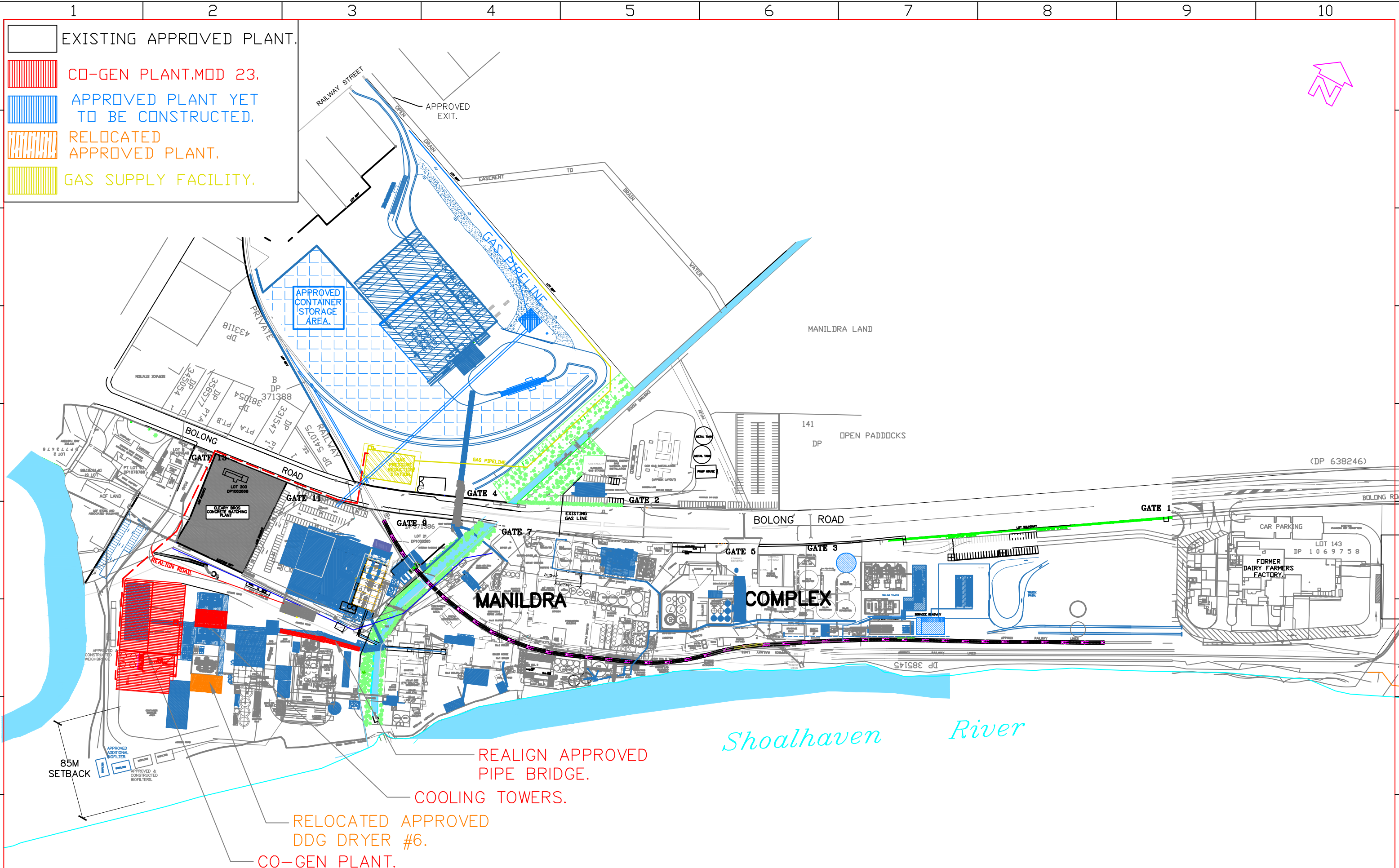
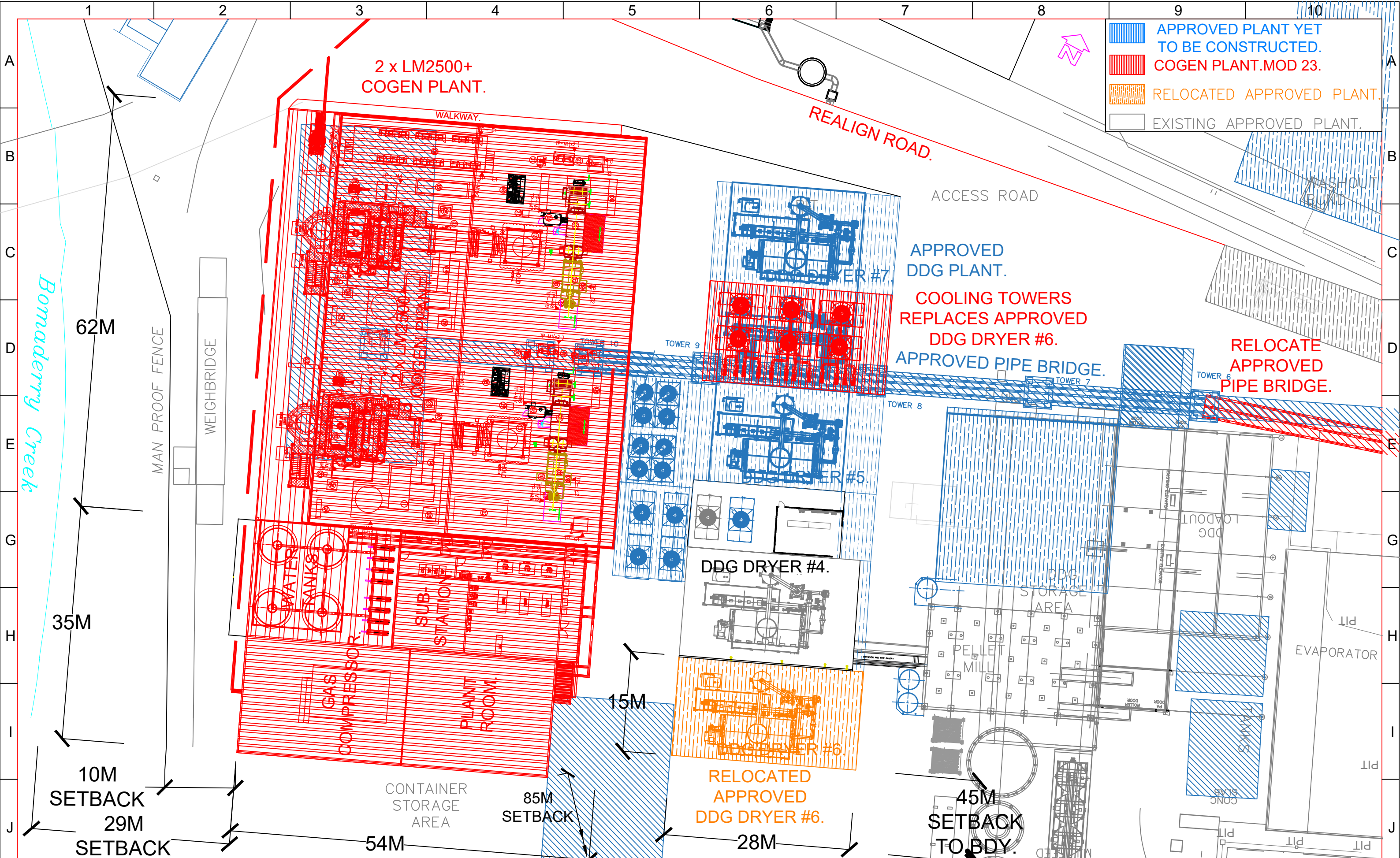








<table><tr><td>P12</td><td>ALL</td><td>Low pres. gas removed.</td><td>P.C.</td><td>27-9-21</td><td>B.H.</td><td></td></tr><tr><td>P11</td><td>ALL</td><td>Cogen footprint increased.</td><td>P.C.</td><td>8-9-21</td><td>B.H.</td><td></td></tr><tr><td>P10</td><td>ALL</td><td>Gas line rerouted.</td><td>P.C.</td><td>12-7-21</td><td>B.H.</td><td></td></tr><tr><td>P09</td><td>ALL</td><td>Gas line rerouted.</td><td>P.C.</td><td>15-6-21</td><td>B.H.</td><td></td></tr><tr><td>P08</td><td>ALL</td><td>Substation relo.Cooling towers added.</td><td>P.C.</td><td>9-6-21</td><td>B.H.</td><td></td></tr><tr><td>P07</td><td>ALL</td><td>Substation & #6 DDG dryer relo.</td><td>P.C.</td><td>6-5-21</td><td>B.H.</td><td></td></tr><tr><td>P06</td><td>ALL</td><td>Was Mod 21,gas comp. added,relo cool tows rved</td><td>P.C.</td><td>5-05-21</td><td>B.H.</td><td></td></tr><tr><td>P05</td><td>H2</td><td>Co-gen plant & sub-station relo.Was drw -005.</td><td>P.C.</td><td>15-04-21</td><td>B.H.</td><td></td></tr><tr><td>P04</td><td>H1</td><td>Co-gen plant moved south.</td><td>P.C.</td><td>29-03-21</td><td>B.H.</td><td></td></tr><tr><td>REV</td><td>ZONE</td><td>DETAILS</td><td>DRN</td><td>DATE</td><td>CHKD</td><td>APPD</td></tr></table>						P12	ALL	Low pres. gas removed.	P.C.	27-9-21	B.H.		P11	ALL	Cogen footprint increased.	P.C.	8-9-21	B.H.		P10	ALL	Gas line rerouted.	P.C.	12-7-21	B.H.		P09	ALL	Gas line rerouted.	P.C.	15-6-21	B.H.		P08	ALL	Substation relo.Cooling towers added.	P.C.	9-6-21	B.H.		P07	ALL	Substation & #6 DDG dryer relo.	P.C.	6-5-21	B.H.		P06	ALL	Was Mod 21,gas comp. added,relo cool tows rved	P.C.	5-05-21	B.H.		P05	H2	Co-gen plant & sub-station relo.Was drw -005.	P.C.	15-04-21	B.H.		P04	H1	Co-gen plant moved south.	P.C.	29-03-21	B.H.		REV	ZONE	DETAILS	DRN	DATE	CHKD	APPD	Commitment to Excellence  MANILDRA GROUP 100% AUSTRALIAN PC Drafting 0439 436508 Est. 2000 © THIS DRAWING IS A CONFIDENTIAL COMMUNICATION OF MANILDRA GROUP TO TAKE A COPY OR DISCLOSE TO A THIRD PARTY WITHOUT WRITTEN CONSENT CONSTITUTES AS AN INFRINGEMENT OF THE COPYRIGHT			<table><tr><td>DRAWN</td><td>PC</td><td>DATE</td><td>26-02-21</td><td>SITE</td><td colspan="2">MANILDRA-SHOALHAVEN STARCHES PTY LTD</td><td>SHT SIZE</td><td>A3</td></tr><tr><td>DESIGNED</td><td>PW</td><td>DATE</td><td></td><td>JOB TITLE</td><td colspan="2">NOWRA PLANT.</td><td>SHEET</td><td></td></tr><tr><td>CHKD</td><td>SR</td><td>DATE</td><td></td><td>DWG TITLE</td><td colspan="2">CO-GEN PLANT.MOD 23.</td><td>OF</td><td></td></tr><tr><td>APPD</td><td>BH</td><td>DATE</td><td></td><td>OVER ALL SITE PLAN.</td><td colspan="2"></td><td>REV.</td><td>P12</td></tr><tr><td></td><td></td><td>SCALE</td><td>1:3000</td><td>PROJECT No.</td><td>7208A</td><td>DWG No.</td><td colspan="2">MN7208-002</td></tr></table>	DRAWN	PC	DATE	26-02-21	SITE	MANILDRA-SHOALHAVEN STARCHES PTY LTD		SHT SIZE	A3	DESIGNED	PW	DATE		JOB TITLE	NOWRA PLANT.		SHEET		CHKD	SR	DATE		DWG TITLE	CO-GEN PLANT.MOD 23.		OF		APPD	BH	DATE		OVER ALL SITE PLAN.			REV.	P12			SCALE	1:3000	PROJECT No.	7208A	DWG No.	MN7208-002			
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P22	ALL	Layout updated.	P.C.	23-9-21	B.H.
P21	E4	Cogen slab was 50m wide.	P.C.	07-09-21	B.H.
P20	ALL	Cogen footprint amended.	P.C.	12-7-21	B.H.
P19	ALL	Cogen footprint amended.	P.C.	21-6-21	B.H.
P18	ALL	Gas pipeline rerouted.	P.C.	15-6-21	B.H.
P17	ALL	Substation & comp. room relo.Cooling towers added.	P.C.	9-6-21	B.H.
REV	ZONE		DRN	DATE	CHKD
					APPD

Commitment to Excellence

GEM OF THE WEST

MANILDRA GROUP

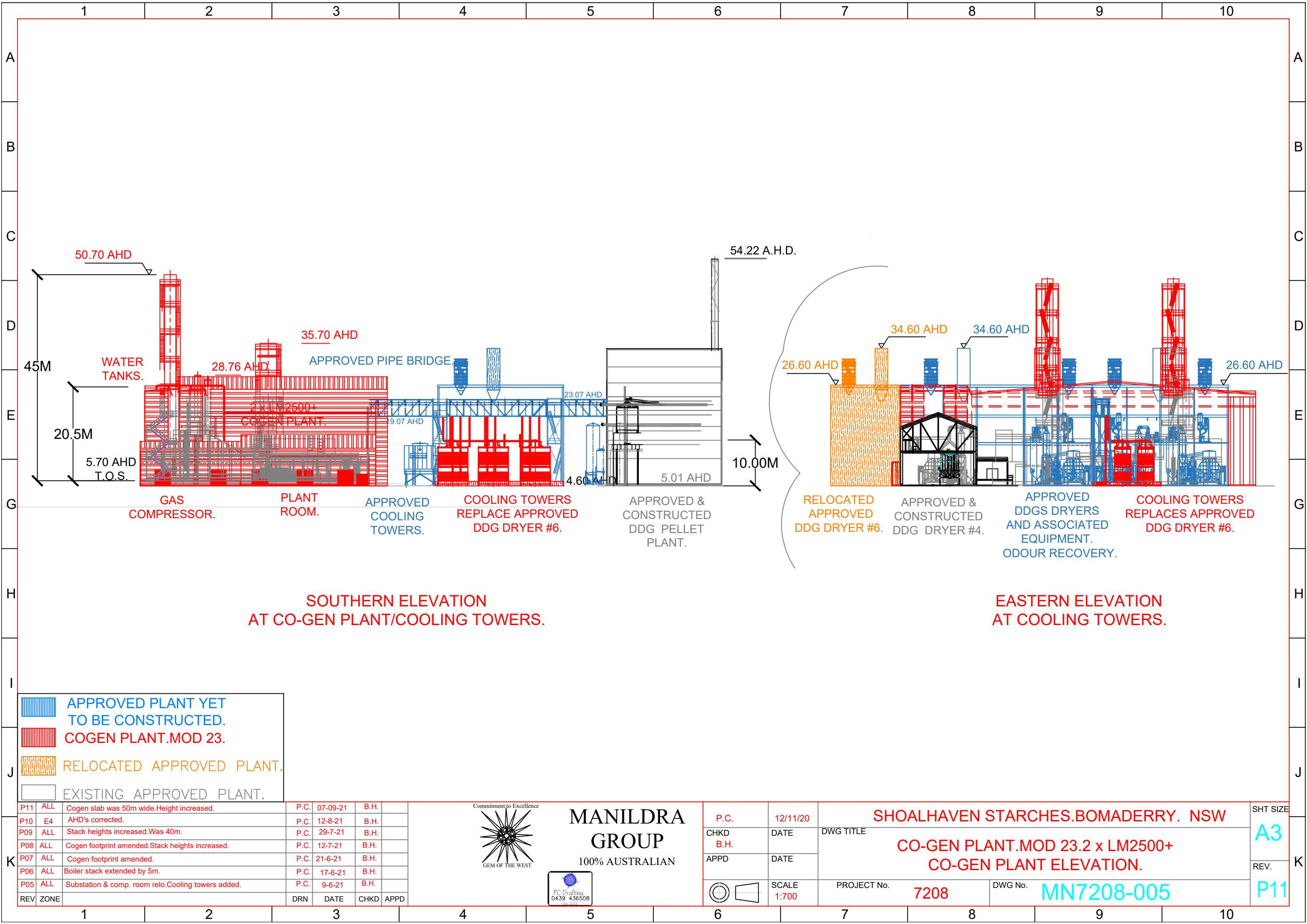
100% AUSTRALIAN

PC Drafting

0439 436508

Est. 2002

P.C.	12/11/20	SHOALHAVEN STARCHES.BOMADERRY. NSW		SHT SIZE
CHKD	DATE	DWG TITLE		A3
B.H.		CO-GEN PLANT.MOD 23.2 x LM2500+		REV.
APPD	DATE	PLANT PLAN.		P22
SCALE	1:500	PROJECT No.	7208	DWG No.
				MN7208-004



SOUTHERN ELEVATION
AT CO-GEN PLANT/COOLING TOWERS.

EASTERN ELEVATION
AT COOLING TOWERS.

APPROVED PLANT YET
TO BE CONSTRUCTED.

COGEN PLANT.MOD 23.

RELOCATED APPROVED PLANT.

EXISTING APPROVED PLANT.

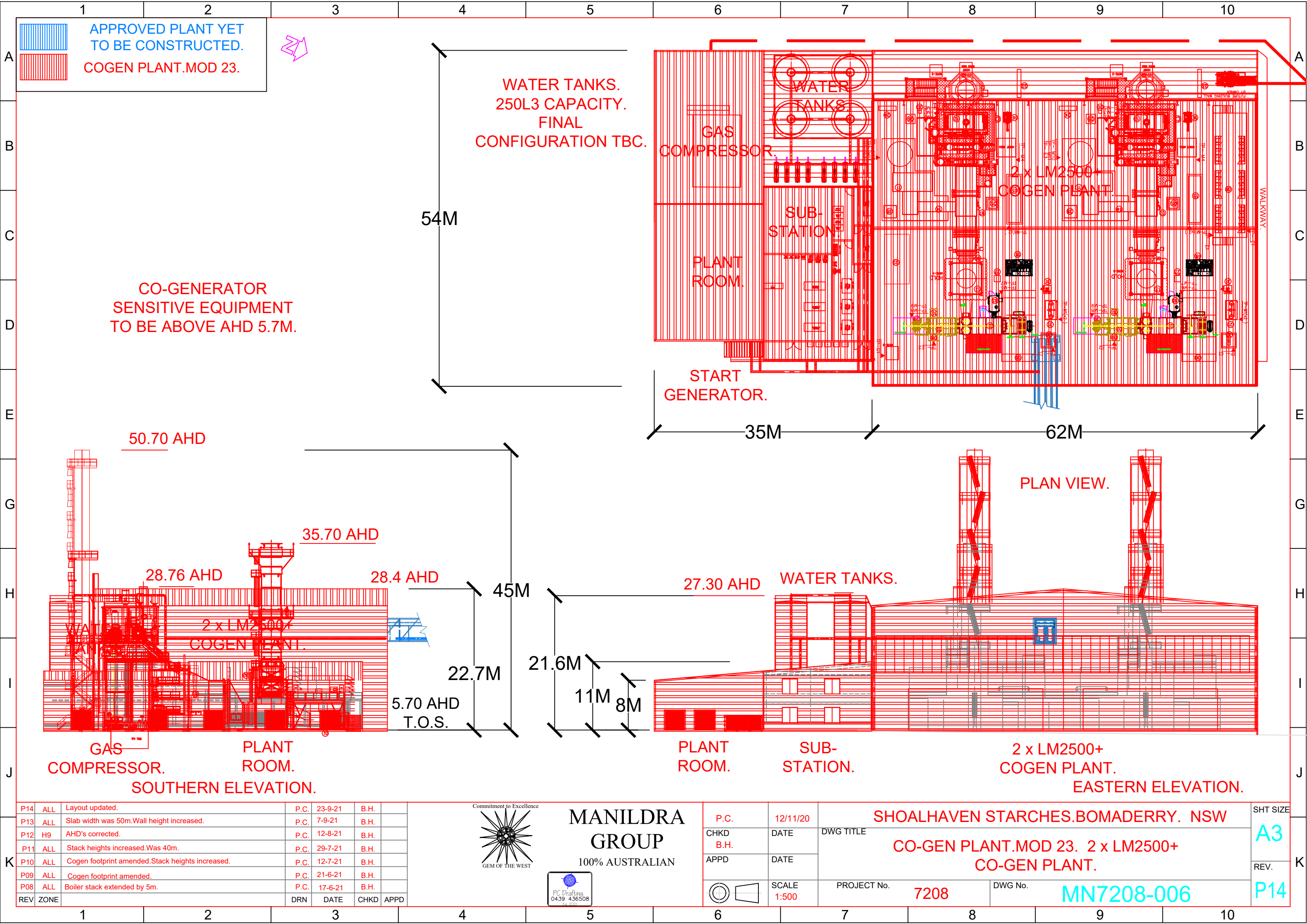
P11	ALL	Cogen slab was 50m wide.Height increased.	P.C.	07-09-21	B.H.	
P10	E4	AHD's corrected.	P.C.	12-8-21	B.H.	
P09	ALL	Stack heights increased.Was 40m.	P.C.	29-7-21	B.H.	
P08	ALL	Cogen footprint amended.Stack heights increased.	P.C.	12-7-21	B.H.	
P07	ALL	Cogen footprint amended.	P.C.	21-6-21	B.H.	
P06	ALL	Boiler stack extended by 5m.	P.C.	17-6-21	B.H.	
P05	ALL	Substation & comp. room relo.Cooling towers added.	P.C.	9-6-21	B.H.	
REV	ZONE		DRN	DATE	CHKD	APPD



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P.C.	12/11/20	SHOALHAVEN STARCHES.BOMADERRY. NSW		SHT SIZE
CHKD B.H.	DATE	DWG TITLE		A3
APPD	DATE	CO-GEN PLANT.MOD 23.2 x LM2500+ CO-GEN PLANT ELEVATION.		REV.
SCALE 1:700	PROJECT No. 7208	DWG No. MN7208-005		P11



P14	ALL	Layout updated.	P.C.	23-9-21	B.H.	
P13	ALL	Slab width was 50m.Wall height increased.	P.C.	7-9-21	B.H.	
P12	H9	AHD's corrected.	P.C.	12-8-21	B.H.	
P11	ALL	Stack heights increased.Was 40m.	P.C.	29-7-21	B.H.	
P10	ALL	Cogen footprint amended.Stack heights increased.	P.C.	12-7-21	B.H.	
P09	ALL	Cogen footprint amended.	P.C.	21-6-21	B.H.	
P08	ALL	Boiler stack extended by 5m.	P.C.	17-6-21	B.H.	
REV	ZONE		DRN	DATE	CHKD	APPD



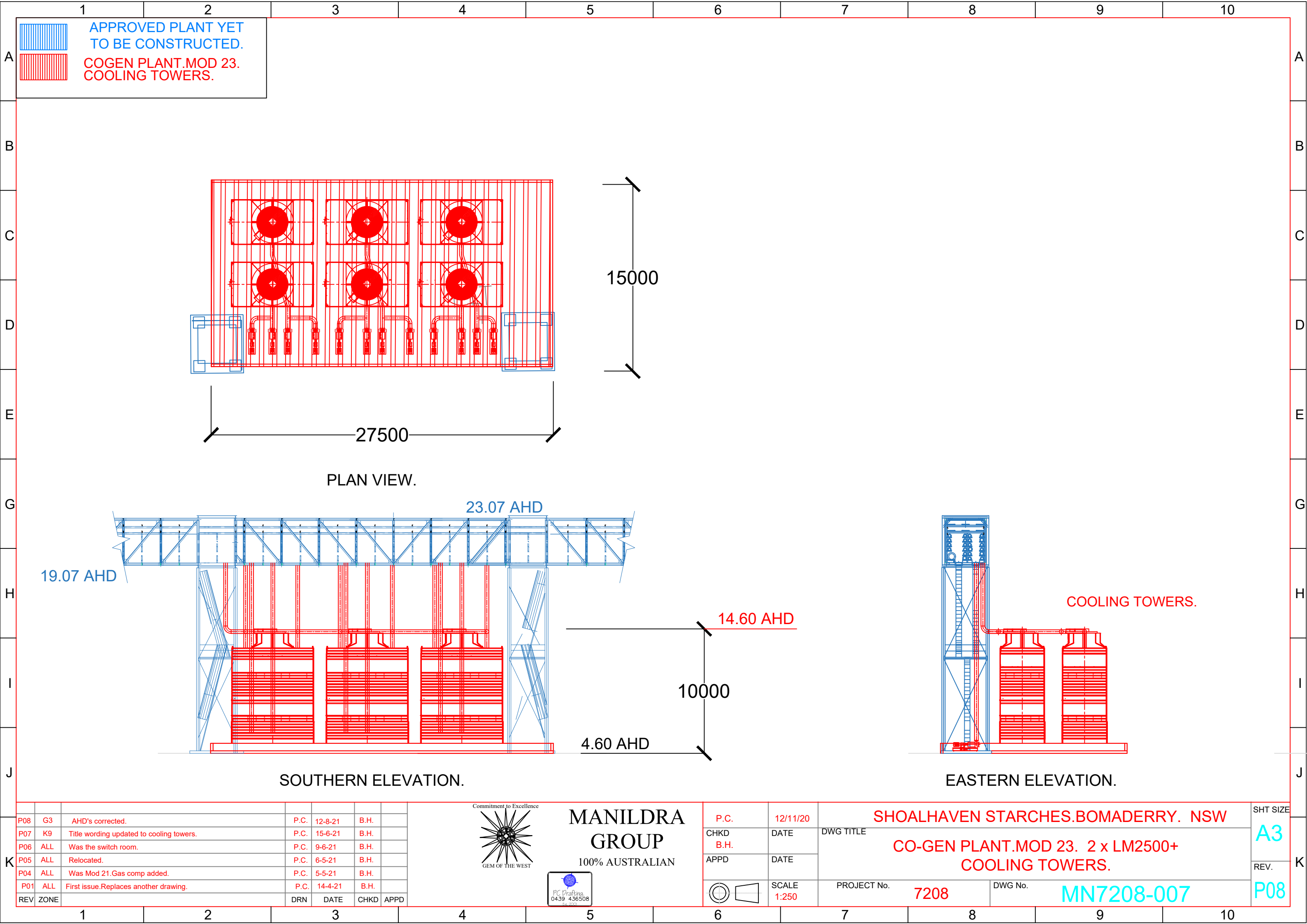
MANILDRA GROUP
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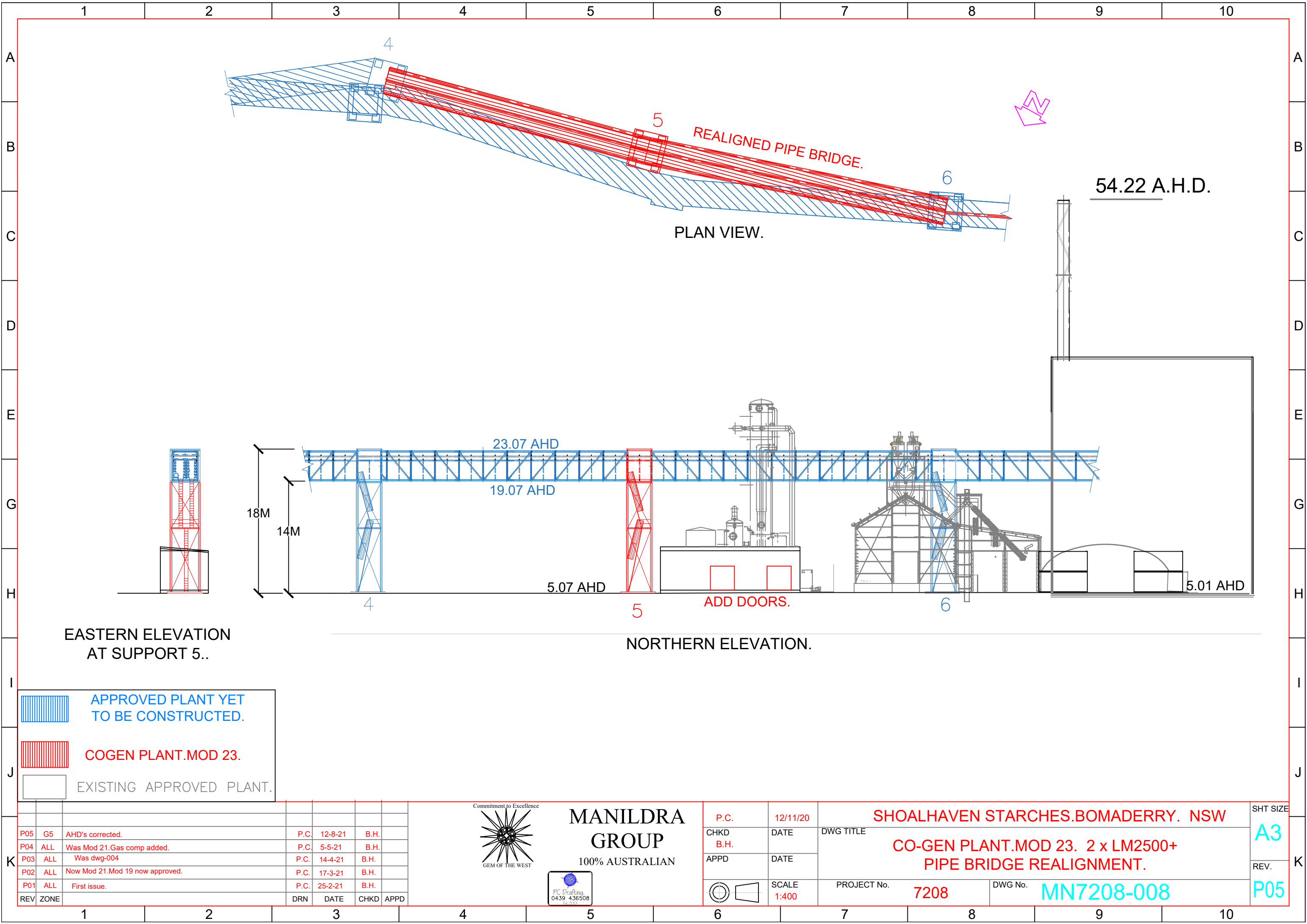


P.C.	12/11/20
CHKD B.H.	DATE
APPD	DATE
SCALE 1:500	

SHOALHAVEN STARCHES.BOMADERRY. NSW	
CO-GEN PLANT.MOD 23. 2 x LM2500+ CO-GEN PLANT.	
PROJECT No. 7208	DWG No. MN7208-006

SHT SIZE A3
REV. P14





REALIGNED PIPE BRIDGE.

54.22 A.H.D.

PLAN VIEW.

EASTERN ELEVATION
AT SUPPORT 5..

NORTHERN ELEVATION.

APPROVED PLANT YET
TO BE CONSTRUCTED.

COGEN PLANT.MOD 23.

EXISTING APPROVED PLANT.

P05	G5	AHD's corrected.	P.C.	12-8-21	B.H.	
P04	ALL	Was Mod 21.Gas comp added.	P.C.	5-5-21	B.H.	
P03	ALL	Was dwg-004	P.C.	14-4-21	B.H.	
P02	ALL	Now Mod 21.Mod 19 now approved.	P.C.	17-3-21	B.H.	
P01	ALL	First issue.	P.C.	25-2-21	B.H.	
REV	ZONE		DRN	DATE	CHKD	APPD



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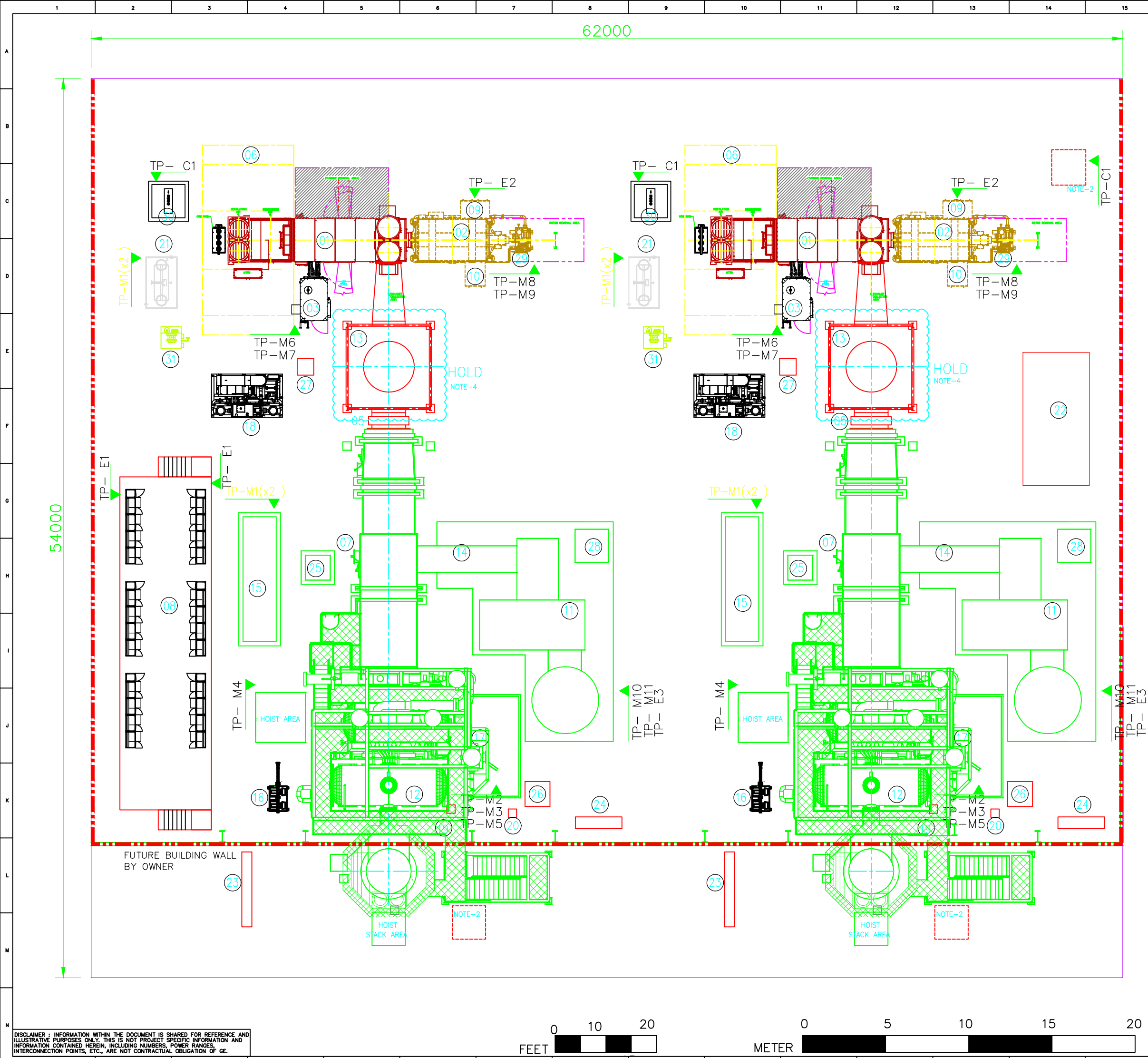


P.C.	12/11/20	SHOALHAVEN STARCHES.BOMADERRY. NSW		SHT SIZE
CHKD	DATE	DWG TITLE		A3
B.H.		CO-GEN PLANT.MOD 23. 2 x LM2500+ PIPE BRIDGE REALIGNMENT.		REV.
APPD	DATE	PROJECT No.	DWG No.	P05
	SCALE	7208	MN7208-008	
	1:400			

PROJECT No. 7208

27-9-21

[illegible]



KEY PLAN

- NOTE:-
1. ALL DIMENSIONS ARE IN MM.
2. HOT DRAIN SUMP BY CUSTOMER.
3. BLOWDOWN TANK PIT BY CUSTOMER.
4. SIZE OF DIVERTER DAMPER / BYPASS STACK CAN BE INCREASED.
REFERENCE DOCUMENTS :-

DRAWING NUMBER	TITLE

EQUIPMENT LIST:-

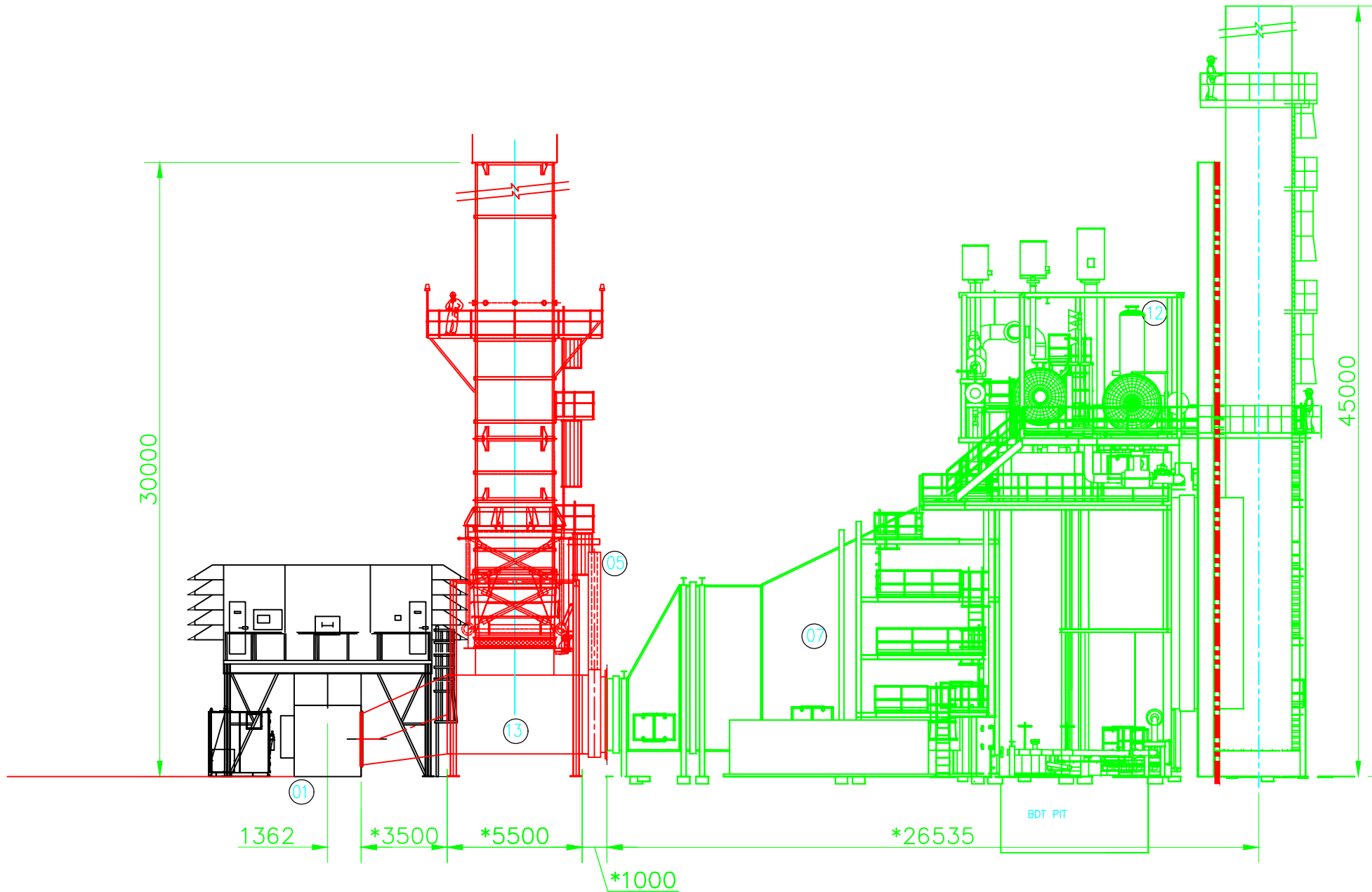
S.No	Q.No	DESCRIPTION
1	2	LM2500 GAS TURBINE
2	2	GENERATOR
3	2	GT AUXILIARY SKID
4	-	-
5	2	GUILLOTINE WITH SEALING AIR FAN
6	2	GT AIR FILTER
7	2	FIRE HRSG WITH STACK (STACK HEIGHT 45M)
8	1	GT AND BOP CONTROL ROOM
9	2	LINESIDE CUBICLE
10	2	NEUTRAL CUBICLE
11	2	FORCE DRAFT FAN
12	2	FEEDWATER TANK / DEAERATOR
13	2	DIVERTER DAMPER / BYPASS STACK
14	2	FD FAN DAMPER
15	2	DUCT BURNER FUEL TRAIN
16	2	2x100% BOILER FEED PUMPS
17	2	BLOW DOWN TANK
18	2	ANTI-ICING CLOSED LOOP SKID
19	2	CONDENSATE MAKE-UP
20	1	CONDENSATE RETURN FLOW METER
21	2	FINAL CHANCE FUEL GAS FILTER (DUPLEX)
22	1	AIR COMPRESSOR WITH DRYER & RECEIVER (1W+1S)
23	2	PROCESS STEAM FLOW METER
24	1	N2 BOTTLE STORAGE AND REGULATOR
25	2	COOLING AIR UNIT
26	2	SAMPLING PANEL / CHEMICAL DOSING SHELTER
27	2	DIVERTER DAMPER SEALING AIR SKID
28	2	FD FAN DAMPER SEALING AIR SKID
29	2	GENERATOR LUBE OIL SKID
30	2	GT WASTE WATER TANK
31	2	GAS CHROMATOGRAPH

TERMINAL POINTS (TP):-

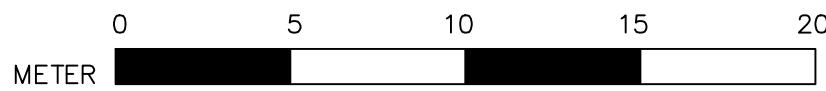
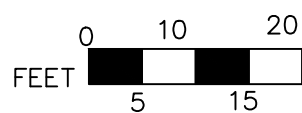
- TP-M1 NG CONNECTIONS (2x GT, 2x HRSG DB)
TP-M2 COOLING WATER SUPPLY / RETURN
TP-M3 CONDENSATE RETURN
TP-M4 PLANT PROCESS STEAM
TP-M5 CONDENSATE MAKEUP WATER
TP-M6 COOLING WATER SUPPLY (BY CUSTOMER)
TP-M7 COOLING WATER RETURN (BY CUSTOMER)
TP-M8 COOLING WATER SUPPLY (BY CUSTOMER)
TP-M9 COOLING WATER RETURN (BY CUSTOMER)
TP-M10 COOLING WATER SUPPLY (BY CUSTOMER)
TP-M11 COOLING WATER RETURN (BY CUSTOMER)
TP-C1 WASTE DRAIN
TP-E1 LV ELECTRICAL POWER
TP-E2 MV ELECTRICAL POWER
TP-E3 6.6kV / OR 3.3kV SUPPLY TO FRESH AIR FAN

L	15/09/2021	R KUMAR	B. DJOKIC	B. DJOKIC	ISSUED FOR REVIEW
K	28/07/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
J	23/07/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
I	30/06/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
H	18/03/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
G	10/03/2021	AVDRESH	SIVA	ASHISH	ISSUED FOR REVIEW
F	22/02/2021	BJOSHI	SIVA	ASHISH	ISSUED FOR REVIEW
E	08/02/2021	D. DAY	R. ARUL	M. BENJAMIN	UPDATED SWITCHROOM & FIN FAN
D	08/02/2021	D. DAY	R. ARUL	M. BENJAMIN	ADDED 2 x DIVERTER DAMPER & FAN
C	22/12/2020	D. DAY	R. ARUL	M. BENJAMIN	UPDATED ORIENTATION
B	30/11/2020	D. DAY	R. ARUL	M. BENJAMIN	UPDATED WITH 2 UNITS
A	18/11/2020	D. DAY		M. BENJAMIN	ISSUED FOR REVIEW
Rev.	Date	Created	Checked	Approved	Description

Project	MANILDRA COGEN PROJECT			
Replaces	Scale	1:75	Document Code	
Responsible dept.	Created by	D. DAY	Checked by	Approved by
Originator	Document Type	GE POWER	Document Status	PRELIMINARY
GE Power Systems	Title, Subtitle	LM2500 WITH NEW HRSG	Identification number	1551914-LM2X NEW HRSG
	MANILDRA SHOALHAVEN COGEN		Rev.	Date
	PLOT PLAN		L	15/09/2021
			En	1/2



ELEVATION VIEW



KEY PLAN

NOTE:-
1. ALL DIMENSIONS ARE IN MM.
2. ALL (*) MARKED DIMENSIONS ARE INDICATIVE ONLY.

REFERENCE DOCUMENTS :-

DRAWING NUMBER	TITLE

L	15/09/2021	R KUMAR	B DJOKIC	B DJOKIC	ISSUED FOR REVIEW
K	28/07/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
J	23/07/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
I	30/06/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
H	18/03/2021	SOMVEER	SIVA	ASHISH	ISSUED FOR REVIEW
G	10/03/2021	AVDHESH	SIVA	ASHISH	ISSUED FOR REVIEW
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E	08/02/2021	D. DAY	R. ARUL	M. BENJAMIN	UPDATED SWITCHROOM & FIN FAN
D	08/02/2021	D. DAY	R. ARUL	M. BENJAMIN	ADDED 2 x DIVERTER DAMPER & FAN
C	22/12/2020	D. DAY	R. ARUL	M. BENJAMIN	UPDATED ORIENTATION
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A	18/11/2020	D. DAY		M. BENJAMIN	ISSUED FOR REVIEW
Rev.	Date	Created	Checked	Approved	Description

Project	MANILDRA COGEN PROJECT				Scale	1:75	Document Code	
Replaces		Created by	D DAY	Checked by			Approved by	Format
Originator		Document Type					Document Status	
		GE POWER					PRELIMINARY	
		Gas Power Systems					Identification number	
							1551914-LM2X NEW HRSG	
							Rev.	Date
							L	15/09/2021
							Lang.	Sheet
							En	2/2

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