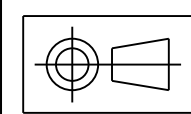


TOLERANCES UNLESS OTHERWISE SPECIFIED REFER DRAWING:

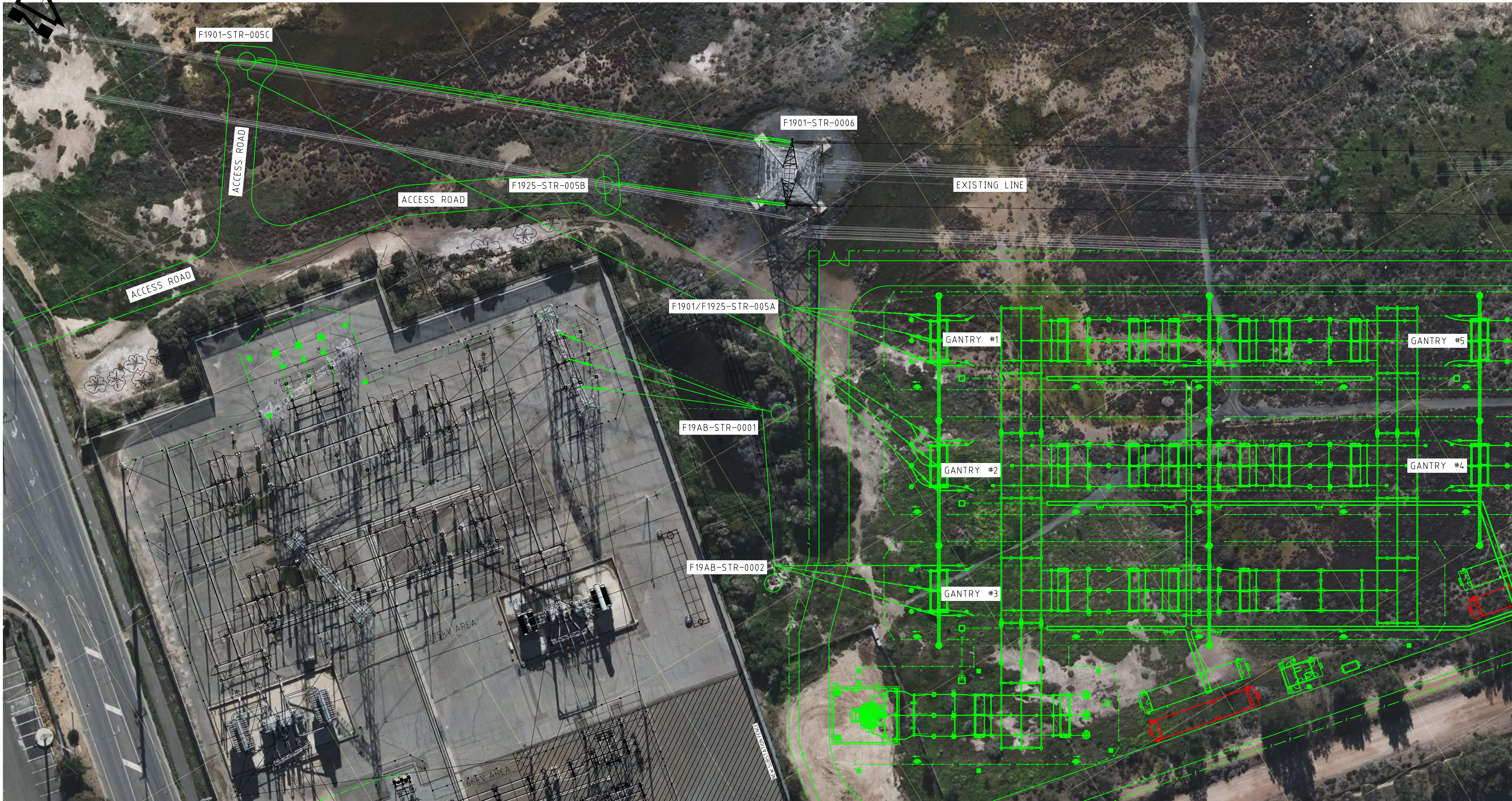


150

100

50

0mm



STRUCTURE COORDINATE TABLE
(MGA2020 ZONE 54)

POINT	EASTING (m)	NORTHING (m)	POINT	EASTING (m)	NORTHING (m)
GANTRY #1	272200.86	6148560.84	F1901-STR-005C	272108.00	6148678.00
GANTRY #2	272188.50	6148539.11	F1925-STR-005B	272158.00	6148621.00
GANTRY #3	272176.15	6148517.36	F1901/F1925-STR-005A	272176.00	6148579.00
GANTRY #4	272282.66	6148485.59	F19AB-STR-0001	272166.00	6148564.00
GANTRY #5	272295.02	6148507.32	F19AB-STR-0002	272148.00	6148535.00

- NOTES:
- ONLY EXISTING INFRASTRUCTURES IN VICINITY OF THE PROPOSED ROUTE ARE SHOWN ON PLAN.
 - STRUCTURE LOCATION ARE INDICATIVE ONLY.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ENGINEERING CONTRACT SPECIFICATION 08327-ECS-002, 08327-ECS-007.
 - EXISTING CONDUCTOR AND SHIELD WIRE IN THE SPAN BETWEEN STRUCTURES F1901-STR-0005 AND F1901-STR-0006 SHALL BE TERMINATED AT THE NEW STRUCTURES F1901-STR-005C AND F1925-STR-005B.
 - NEW FEEDERS:
F1901: LEFEVRE EAST TO PARAFIELD GARDENS WEST
F1925: LEFEVRE EAST TO TORRENS ISLAND POWER STATION B
F19AB: LEFEVRE TO LEFEVRE EAST

- NEW MONOPOLE
- NEW GANTRY
- NEW CONDUCTOR
- NEW OVERHEAD EARTHWIRE
- EXISTING TOWER

CREATED FROM TEMPLATE:		REV	SUB TITLE	
DRAWING WAS PREVIOUSLY:		REV		
ANI 275KV RELOCATION - F1901, F1925, F19AB				
TITLE PRELIMINARY LINE ROUTE LEFEVRE TO LEFEVRE EAST LEFEVRE EAST TO PGW, LEFEVRE EAST TO TIPS B				
DRN	M. PHILLIPS	09/25	SCALE 1:400	
CKD	M. ELDRIDGE	09/25	A1 3 02250/500-001	
INSP	R. UPADHYAYA	09/25	REV A	
AUTH	T. PATWA	09/25	DISTB	

LEGEND	
EXISTING ASSETS	
CURRENT S.O.W.	
THIRD PARTY S.O.W.	
FUTURE S.O.W.	
DECOMMISSIONING	

ELECTRANET
ISSUED FOR INFORMATION
25/09/2025 REVISION A,4
PROJECT #08327
SIGNED R. UPADHYAYA

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
A	EG.08327 FIRST ISSUE - ENET	MAP	ME	TP	09/25



BUILDING LEGEND

FC FILING CABINET

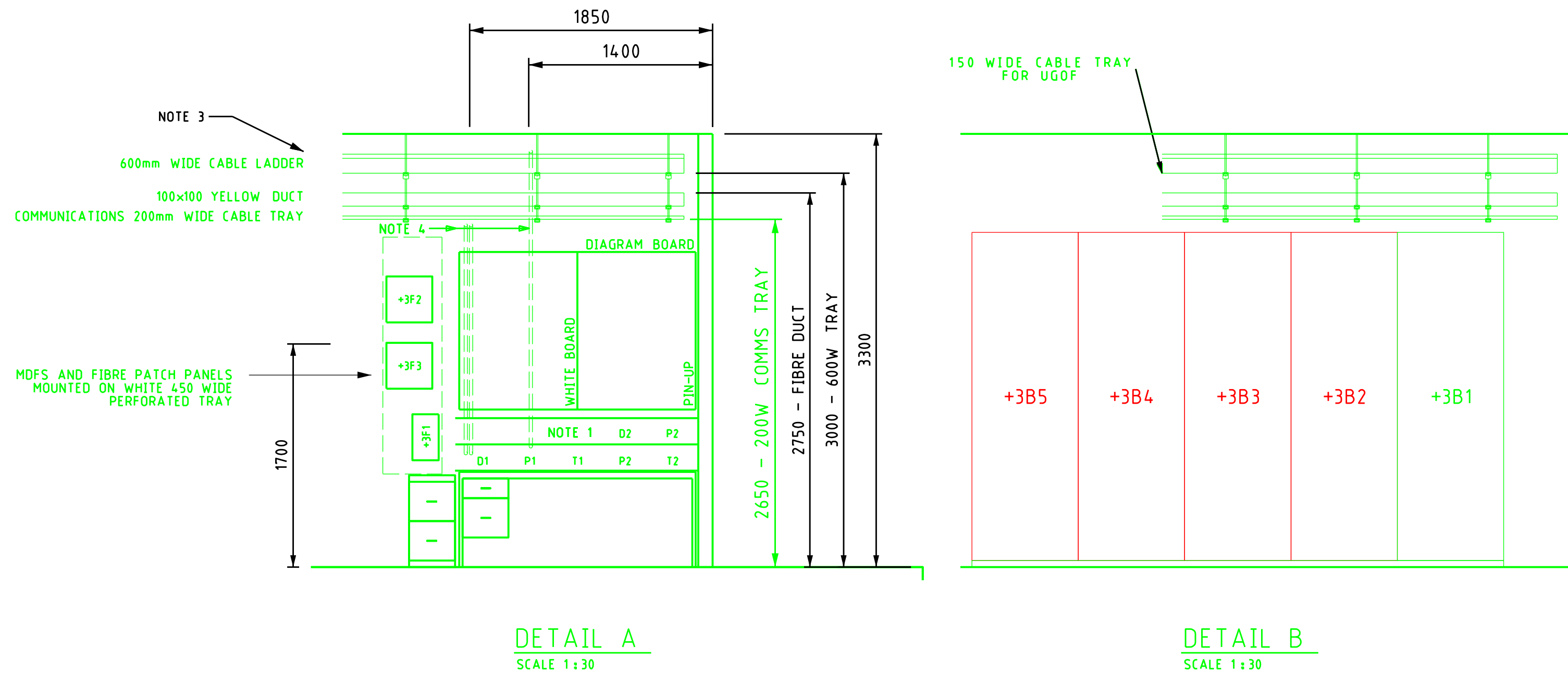
5.4KG CO2 FIRE EXTINGUISHER
C/W RECTANGULAR SIGN
AS PER AS2444

V1 VENT - OUTLET

D1 OPENING DOOR/DOORS

V2 VENT - INLET

GPS ANTENNA



NOTES

- FOLLOWING ITEMS TO BE INSTALLED ON INTERNALLY-PARTITIONED NETWORK/TELEPHONES AND 230V AC WALL CABLE DUCT:
 - P1 2 x 2 WAY INVERTER OUTLETS - RED (TO HAVE WARNING LABEL, WHITE LETTERING ON RED BACKGROUND: "NOT FOR GENERAL USE") - SEE /144-002
 - P2 2 x 4 WAY GENERAL OUTLETS - WHITE (FROM AC DISTRIBUTION BOARD)
 - D1 1 x 2 WAY RJ45 SOCKETS - RED (SCADA NETWORK) - SEE /144-003
 - D2 1 x 4 WAY RJ45 SOCKETS - WHITE (SUBSTATION ETHERNET NETWORK)
 - T1 1 x 2 WAY RJ45 SOCKETS - WHITE (OPAX PHONES)
 - T2 1 x 2 WAY RJ45 SOCKETS - WHITE (PSTN PHONE & DATA/FAX)
- PANELS TO BE MOUNTED 50mm AWAY FROM WALL.
- 3 x DIAMETER 25mm WEATHER PROOF PENETRATIONS, 2850mm AFFL.
- DIAMETER 32mm WALL PENETRATIONS FOR CONCEALED WIRING:
 - 2 x PENETRATIONS AT 2850mm AFFL TO CARRY AC WIRING FROM ABOVE CABLE LADDER TO DUCT ABOVE DESK.
 - 1 x PENETRATION AT 2400mm AFFL TO CARRY FIBRE OPTIC FROM BELOW COMMS DUCT TO DUCT ABOVE DESK.
- UNDER/BOTTOM FLOOR CABLE ENTRY INTO FIELD MARSHALLING KIOSK FLOOR/PENETRATION CUTOUT 1000L X 500W CUTOUT WITH 400L X 200W X 5 THICK BRASS GLAND PLATE.
- FIRE EXTINGUISHER SIGNS ARE REQUIRED TO BE ABOVE THE FLOOR LEVEL BY A MINIMUM OF 2M.
- IF THERE MULTIPLE BUILDINGS PLANNED FOR THE SUBSTATION AND CONTAIN MORE THAN 2 TRANSFORMERS, IT WILL BE REQUIRED TO CONSIDER ONE MORE AVR CUBICLE IN THE BUILDING.
- AC SHUTDOWN RELAY AND LIGHT BOX SHOULD BE ABOVE THE HEIGHT OF THE DOOR (ONLY ACCESSIBLE BY A LADDER).
- THE INTERNAL WALL THICKNESS USED ON THIS TEMPLATE OF THE CONTROL BUILDING IS 120mm. CONTRACTOR TO DETERMINE FINAL WIDTH AS PART OF DETAILED DESIGN.
- THE CONTRACTOR IS RESPONSIBLE FOR CARRYING HEAT LOADING CALCULATIONS TO CONFIRM IF A THIRD AIR CONDITIONER IS REQUIRED.
- WALL MOUNTED 200mm WIDE LADDER RACK TO BE PROVIDED FOR FO CABLES.

ITEM	DESCRIPTION	REMARKS
+3A1	SPARE	
+3A2	WEST BUS PROTECTION CUBICLE	
+3A3	TORRENS ISLAND FEEDER PROTECTION CUBICLE	
+3A4	CB8204, CB8205 & CB8206 CBM CUBICLE	
+3A5	SCADA 3.2 CUBICLE	
+3A6	FIELD MARSHALLING KIOSK (FMK) (1200X800X2300)	
+3A7	PELICAN POINT 2 FEEDER PROTECTION CUBICLE	
+3A8	POWER SYSTEM PERFORMANCE MONITORING CUBICLE	
+3A9	OPSNET 'A' CUBICLE	
+3A10	OPSNET 'B' CUBICLE	
+3A11	SCADA 3.1 CUBICLE (STATION)	
+3B1	CB8204, CB8207 POINT OF WAVE CUBICLE	
+3B2	SPARE	
+3B3	SPARE	
+3B4	SPARE	
+3B5	SPARE	
+3B6	WIDE AREA MONITORING SYSTEM CUBICLE	
+3B7	SPARE	
+3B8	EAST BUS PROTECTION CUBICLE	
+3B9	PARAFIELD GARDENS WEST FEEDER PROTECTION CUBICLE	
+3B10	CB8207, CB8208 & CB8209 CBM CUBICLE	
+3B11	SCADA 3.3 CUBICLE	
+3B12	FIELD MARSHALLING KIOSK (FMK) (1200X800X2300)	
+3B13	PELICAN POINT 1 FEEDER PROTECTION CUBICLE	
+3B14	SPARE	
+3B15	REVENUE AND CHECK METERING CUBICLE FUTURE	
+3B16	SPARE	
+3B17	SPARE	
+3B18	PELICAN POINT CABLE CUBICLE 1	
+3B19	PELICAN POINT CABLE CUBICLE 2	
+3B20	MASTER SECURITY CUBICLE	
+3C1	110V DC SET 1 BATTERY	
+3C2	110V DC SET 1 & 2 DISTRIBUTION BOARD & BATTERY CHARGER (800x800)	
+3C3	110V DC SET 2 BATTERY	
+3C10	ESSENTIAL AC SUB DB	
+3C21	AIR CONDITIONER No.1 OUTDOOR UNIT	
+3C22	AIR CONDITIONER No.1 INDOOR UNIT	
+3C23	AIR CONDITIONER No.2 OUTDOOR UNIT	
+3C24	AIR CONDITIONER No.2 INDOOR UNIT	
+3F1	TELEPHONE MDF-A CABINET	
+3F2	FIBRE OPTIC CABLE JUNCTION BOX 1	
+3F3	FIBRE OPTIC CABLE JUNCTION BOX 2	

- MINIMUM 2 CUBICLE SPACES ARE REQUIRED FOR PROTECTION CHANGE OVER DURING LIFE OF THE BUILDING.
- EACH BUILDING MUST HAVE A SEPERATE LIGHTING AND POWER DB.

SECURITY LEGEND

- (S) SMOKE DETECTOR
- (SC) INTERNAL SIREN
- (TS) TEMPERATURE SENSOR
- (S) DOOR SWITCH
- (SI) EXTERNAL SIREN
- (ST) STROBE
- (CP) CODEPAD
- (ES) ELECTRIC STRIKE
- (CR) CARD READER
- (PIR) PASSIVE INFRA RED SENSOR
- (PC) PTZ CAMERA
- (FC) FIXED CAMERA
- (AK) AIRCON KILL SWITCH
- (LK) LIGHTING KILL SWITCH
- (CL) CYBERLOCK
- (RL) RED LABEL

SECURITY NOTES

- INTERNAL LIGHTS LINKED TO ARM/DISARM.
- AIRCON KILL IN EVENT OF FIRE ALARM.
- TEMP SENSORS WIRED TO SCADA PANEL.
- ALL DOOR HARDWARE CONFIGURED SUCH THAT THE KEY WILL RETRACT TONGUE ONLY

FOR ELECTRICAL LAYOUT REFER: 410 SSD/303-001
FOR SECURITY AND FIRE REFER: 410 SSD/303-002
FOR PLAN AND ELEVATION REFER: 410 SSD/691-001
FOR MASTER CAD FILE REFER: 410 SSD/301-M01

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
A	EG.08327 FIRST ISSUE - ENET	MAP	JA	TP	09/25

© ElectraNet
THIS DRAWING IS TO BE USED FOR THE PURPOSES IT HAS BEEN PROVIDED BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. NEITHER THE DRAWING NOR ANY PART OF IT CAN BE REPRODUCED, COPIED OR ALTERED, WITHOUT THE CONSENT OF ElectraNet. ALL INFORMATION CONTAINED WITHIN THE DRAWING IS CONFIDENTIAL TO ElectraNet AND MUST NOT BE DISCLOSED TO A THIRD PARTY WITHOUT THE PRIOR CONSENT OF ElectraNet.

LEGEND
EXISTING ASSETS
CURRENT S.O.W.
THIRD PARTY S.O.W.
FUTURE S.O.W.
DECOMMISSIONING

ELECTRANET
ISSUED FOR INFORMATION
30/09/2025 REVISION A, 11
PROJECT #08327
SIGNED J. SANCHEZ-NIETO

CREATED FROM TEMPLATE: 410 SSD/301-001	REV B	SUB-TITLE
DRAWING WAS PREVIOUSLY:	REV	

DRN	M. PHILLIPS	09/25
CKD	J. AHMED	09/25
INSP	J. SANCHEZ-NIETO	09/25
AUTH	T. PATWA	09/25

TITLE		PRELIMINARY CONTROL BUILDING LAYOUT LEFEVRE EAST SUBSTATION	
SCALE	1:40	A1 310 00Q/310-002	REV A

DO NOT SCALE DRAWINGS FOR WORKING DIMENSIONS

BUILDING LEGEND

FC FILING CABINET

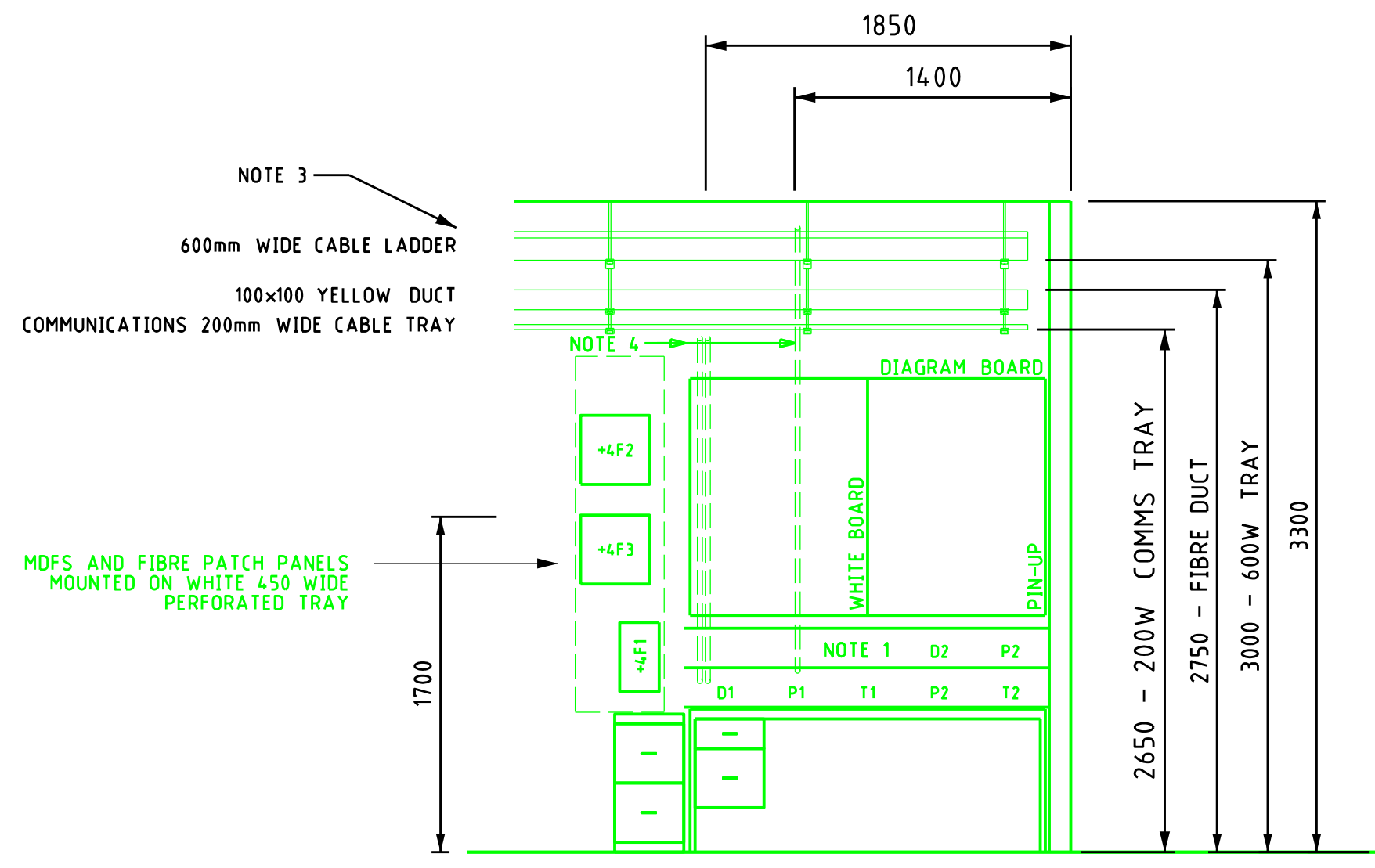
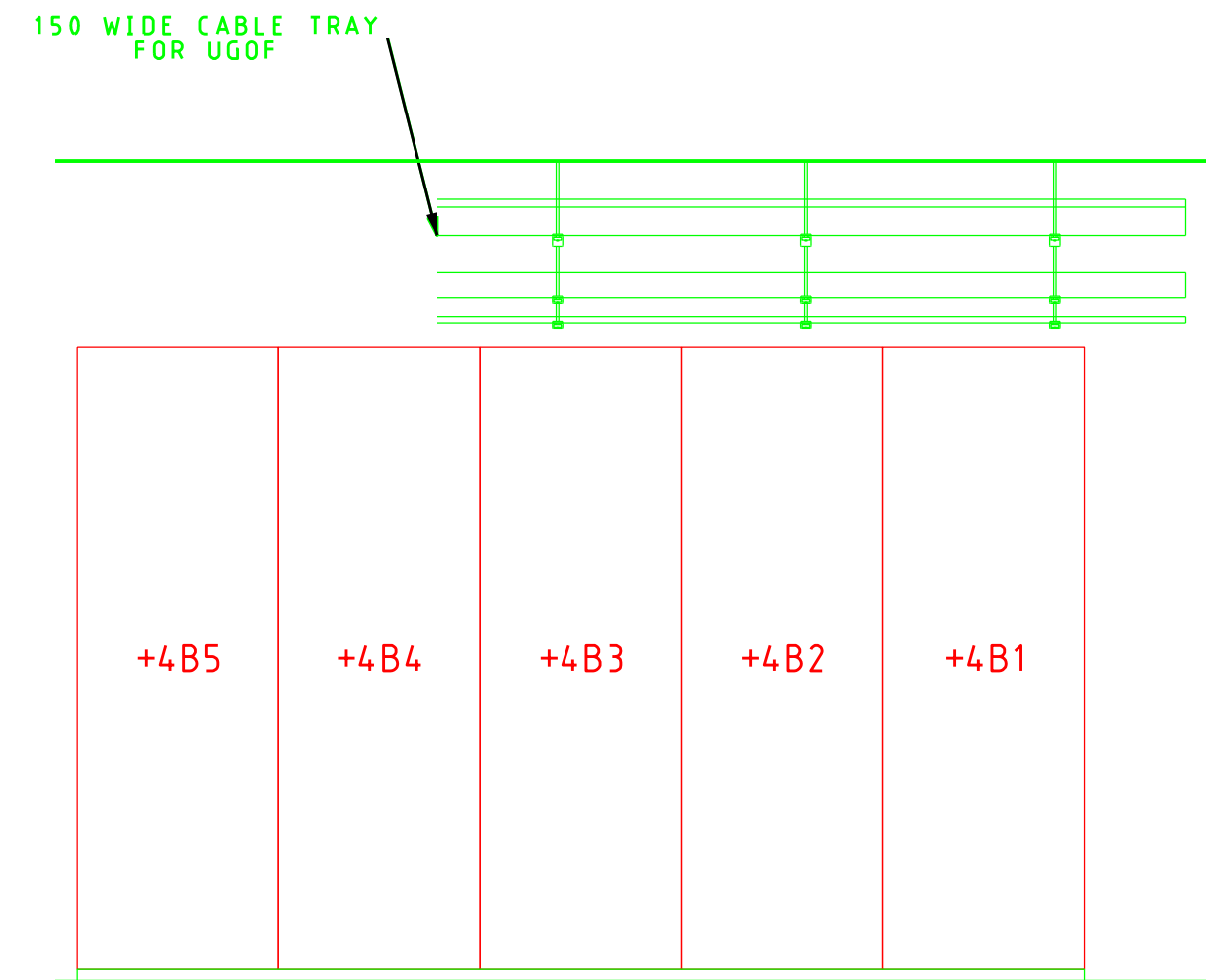
5.4KG CO2 FIRE EXTINGUISHER
C/W RECTANGULAR SIGN
AS PER AS2444

V1 VENT - OUTLET

D1 OPENING DOOR/DOORS

V2 VENT - INLET

GPS ANTENNA

DETAIL A
SCALE 1:30DETAIL B
SCALE 1:30

NOTES

- FOLLOWING ITEMS TO BE INSTALLED ON INTERNALLY-PARTITIONED NETWORK/TELEPHONES AND 230V AC WALL CABLE DUCT:
 - P1 2 x 2 WAY INVERTER OUTLETS - RED (TO HAVE WARNING LABEL, WHITE LETTERING ON RED BACKGROUND: "NOT FOR GENERAL USE") - SEE /144-002
 - P2 2 x 4 WAY GENERAL OUTLETS - WHITE (FROM AC DISTRIBUTION BOARD)
 - D1 1 x 2 WAY RJ45 SOCKETS - RED (SCADA NETWORK) - SEE /144-003
 - D2 1 x 4 WAY RJ45 SOCKETS - WHITE (SUBSTATION ETHERNET NETWORK)
 - T1 1 x 2 WAY RJ45 SOCKETS - WHITE (OPAX PHONES)
 - T2 1 x 2 WAY RJ45 SOCKETS - WHITE (PSTN PHONE & DATA/FAX)
- PANELS TO BE MOUNTED 50mm AWAY FROM WALL.
- 3 x DIAMETER 25mm WEATHER PROOF PENETRATIONS, 2850mm AFFL.
- DIAMETER 32mm WALL PENETRATIONS FOR CONCEALED WIRING:
 - 2 x PENETRATIONS AT 2850mm AFFL TO CARRY AC WIRING FROM ABOVE CABLE LADDER TO DUCT ABOVE DESK.
 - 1 x PENETRATION AT 2400mm AFFL TO CARRY FIBRE OPTIC FROM BELOW COMMS DUCT TO DUCT ABOVE DESK.
- UNDER/BOTTOM FLOOR CABLE ENTRY INTO FIELD MARSHALLING KIOSK FLOOR/PENETRATION CUTOUT 1000L X 500W CUTOUT WITH 400L X 200W X 5 THICK BRASS GLAND PLATE.
- FIRE EXTINGUISHER SIGNS ARE REQUIRED TO BE ABOVE THE FLOOR LEVEL BY A MINIMUM OF 2M.
- IF THERE MULTIPLE BUILDINGS PLANNED FOR THE SUBSTATION AND CONTAIN MORE THAN 2 TRANSFORMERS, IT WILL BE REQUIRED TO CONSIDER ONE MORE AVR CUBICLE IN THE BUILDING.
- AC SHUTDOWN RELAY AND LIGHT BOX SHOULD BE ABOVE THE HEIGHT OF THE DOOR (ONLY ACCESSIBLE BY A LADDER).
- THE INTERNAL WALL THICKNESS USED ON THIS TEMPLATE OF THE CONTROL BUILDING IS 120mm. CONTRACTOR TO DETERMINE FINAL WIDTH AS PART OF DETAILED DESIGN.
- THE CONTRACTOR IS RESPONSIBLE FOR CARRYING HEAT LOADING CALCULATIONS TO CONFIRM IF A THIRD AIR CONDITIONER IS REQUIRED.
- WALL MOUNTED 200mm WIDE MADDER RACK TO BE PROVIDED FOR FO CABLES.

ITEM	DESCRIPTION	REMARKS
+4A1	SPARE	
+4A2	WEST BUS REACTOR PROTECTION CUBICLE	
+4A3	LEFEVRE FEEDER PROTECTION CUBICLE	
+4A4	CB8210 AND CB8211 CBM CUBICLE	
+4A5	SCADA 4.2 CUBICLE	
+4A6	FIELD MARSHALLING KIOSK (FMK) (1200X800X2300)	
+4A7	SPARE	
+4A8	POWER SYSTEM PERFORMANCE MONITORING CUBICLE	
+4A9	OPSNET 'A' CUBICLE	
+4A10	OPSNET 'B' CUBICLE	
+4A11	SCADA 4.1 CUBICLE (STATION)	
+4B1	SPARE	
+4B2	SPARE	
+4B3	SPARE	
+4B4	SPARE	
+4B5	SPARE	
+4B6	PHASOR MEASUREMENT UNIT CUBICLE 1	
+4B7	SPARE	
+4B8	SPARE	
+4B9	SPARE	
+4B10	SPARE	
+4B11	SCADA 4.3 CUBICLE	
+4B12	FIELD MARSHALLING KIOSK (FMK) (1200X800X2300)	
+4B13	SPARE	
+4B14	SPARE	
+4B15	REVENUE AND CHECK METERING CUBICLE FUTURE	
+4B16	SPARE	
+4B17	SPARE	
+4B18	SPARE	
+4B19	SPARE	
+4B20	SLAVE SECURITY CUBICLE	
+4C1	110V DC SET 1 BATTERY	
+4C2	110V DC SET 1 & 2 DISTRIBUTION BOARD & BATTERY CHARGER (800x800)	
+4C3	110V DC SET 2 BATTERY	
+4C10	ESSENTIAL AC SUB DB	
+4C21	AIR CONDITIONER No.1 OUTDOOR UNIT	
+4C22	AIR CONDITIONER No.1 INDOOR UNIT	
+4C23	AIR CONDITIONER No.2 OUTDOOR UNIT	
+4C24	AIR CONDITIONER No.2 INDOOR UNIT	
+4F1	TELEPHONE MDF-A CABINET	
+4F2	FIBRE OPTIC CABLE JUNCTION BOX 1	
+4F3	FIBRE OPTIC CABLE JUNCTION BOX 2	

- MINIMUM 2 CUBICLE SPACES ARE REQUIRED FOR PROTECTION CHANGE OVER DURING LIFE OF THE BUILDING.
- EACH BUILDING MUST HAVE A SPERATE LIGHTING AND POWER DB.

SECURITY LEGEND

- (S) SMOKE DETECTOR
- (SC) INTERNAL SIREN
- (TS) TEMPERATURE SENSOR
- (D) DOOR SWITCH
- (SI) EXTERNAL SIREN
- (ST) STROBE
- (CP) CODEPAD
- (ES) ELECTRIC STRIKE
- (CR) CARD READER
- (PIR) PASSIVE INFRA RED SENSOR
- (PC) PTZ CAMERA
- (FC) FIXED CAMERA
- (AK) AIRCON KILL SWITCH
- (LK) LIGHTING KILL SWITCH
- (CL) CYBERLOCK
- (RL) RED LABEL

SECURITY NOTES

- INTERNAL LIGHTS LINKED TO ARM/DISARM.
- AIRCON KILL IN EVENT OF FIRE ALARM.
- TEMP SENSORS WIRED TO SCADA PANEL.
- ALL DOOR HARDWARE CONFIGURED SUCH THAT THE KEY WILL RETRACT TONGUE ONLY

FOR ELECTRICAL LAYOUT REFER: 410 SSD/303-001
FOR SECURITY AND FIRE REFER: 410 SSD/303-002
FOR PLAN AND ELEVATION REFER: 410 SSD/691-001
FOR MASTER CAD FILE REFER: 410 SSD/301-M01

CREATED FROM TEMPLATE: 410 SSD/301-001
DRAWING WAS PREVIOUSLY:

LEGEND
EXISTING ASSETS
CURRENT S.O.W.
THIRD PARTY S.O.W.
FUTURE S.O.W.
DECOMMISSIONING

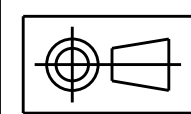
ELECTRANET
ISSUED FOR INFORMATION
26/09/2025 REVISION A,10
PROJECT #08327
SIGNED

DRN	M. PHILLIPS	09/25
CKD	J. AHMED	09/25
INSP	J. SANCHEZ-NIETO	09/25
AUTH	T. PATWA	09/25

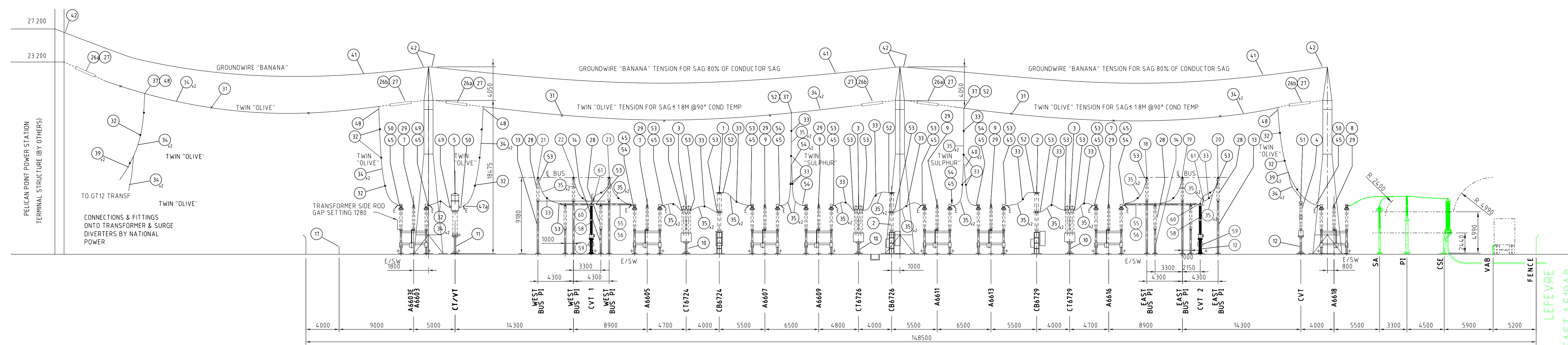
REV	B	SUB TITLE
REV		
+4 CONTROL BUILDING		
PRELIMINARY CONTROL BUILDING LAYOUT LEFEVRE EAST SUBSTATION		
SCALE	1:40	A1 310 00Q/310-003
REV	A	DISTB

DO NOT SCALE DRAWINGS FOR WORKING DIMENSIONS

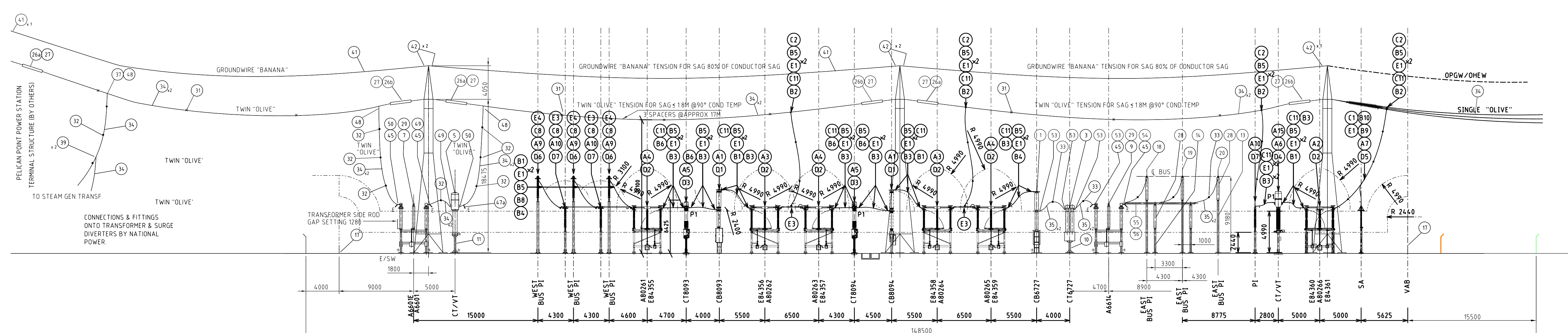
TOLERANCES UNLESS OTHERWISE SPECIFIED REFER DRAWING:



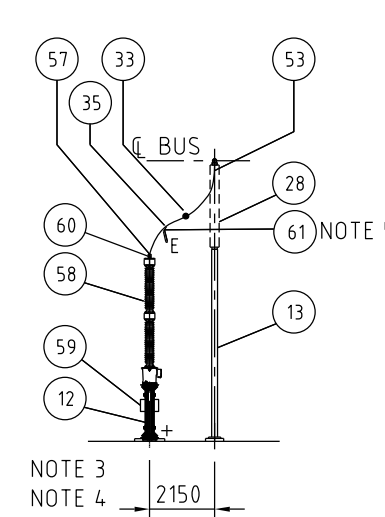
150
100
50
0mm



SECTION A
SCALE 1:250
006



SECTION B
SCALE 1:250
006



NOTES CONTINUED.

- LINE DESIGN TO BE CONFIRMED AT CRITICAL DESIGN.
- FOR BUS BAR MATERIALS AND DETAILS SEE DRAWING 310 193/602-003 & 004.
- FOR SUBSTATION MATERIALS SEE DRAWING 310 193/622-101 & 102.
- CIRCUIT BREAKERS TO BE CONNECTED AS FOLLOWS:
LA TO 'U' PHASE
LB TO 'V' PHASE
LC TO 'W' PHASE

SECTION C
SCALE 1:250
001

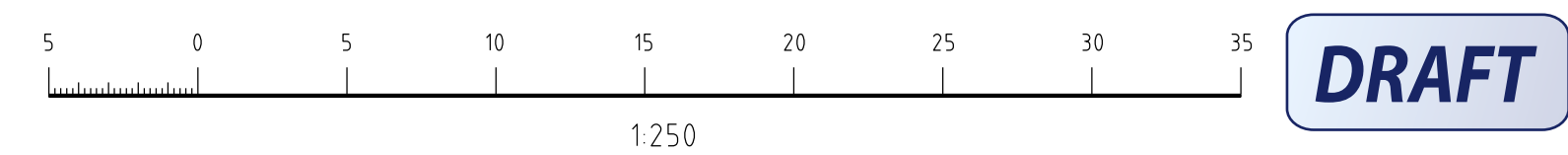
NOTE:
V-STRING SUSPENSION INSULATOR ASSEMBLIES
USED FOR SECTION B CENTRE GANTRY NOT REFLECTED IN AS BUILTS

LEGEND:

- E EARTH RING (45) (47) (48)
- CONDUCTOR SPACER ON DROPPER & INTERPLANT CONNECTIONS
 - "OLIVE" : 83mm CENTRES
 - "SULPHUR" : 83mm CENTRES
- CONDUCTOR SPACER ON STRUNG CONDUCTOR
 - "OLIVE" & "SULPHUR" : 200-300mm CENTRES
- EARTH LUG

NOTE:

- ALLOW 200 - 300mm CONDUCTOR SLACK FOR INTERPLANT CONNECTION
- TWO PARALLEL GROOVE CLAMPS REQUIRED PER PARALLEL GROOVE ASSEMBLY
- THE CONTRACTOR SHALL INSTALL A CLEARLY VISIBLE LABEL ON THE CVT NEUTRAL CONNECTION STATING "DANGER, NEUTRAL, DO NOT REMOVE"
- THE CONTRACTOR SHALL MODIFY THE EXISTING EARTH STRAP TO THE EXISTING CVT TANK. A NEW 4x40mm TINNED COPPER EARTH STRAP EXTENSION SHALL BE BRAISED OF EXOTHERMICALLY WELDED TO THE EXISTING EARTH STRAP. THE NEW EXTENSION SHALL BE BOLTED TO THE NEW CVT EARTH TERMINAL (CABLE CLAMP SECTION TO BE REMOVED)
- STIRRUP TO BE LOCATED APPROXIMATELY 1 METRE FROM THE CVT TERMINAL



CREATED FROM TEMPLATE: 310 193/622-002
DRAWING WAS PREVIOUSLY:

SUB TITLE			
M	ANI 275KV RELOCATION		
V			
ElectraNet - electricity transmission			
PRELIMINARY ELEVATION SECTION			
PELICAN POINT SUBSTATION			
SCALE	1 : 2 5 0	A1	3 1 0 1 9 3 / 6 0 8 - 0 0 3
REV	A	DISTB	

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
A	08327 FIRST ISSUE - ENET	MAP	JA	TP	

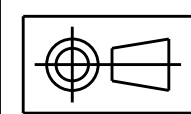
© ElectraNet
THIS DRAWING IS TO BE USED FOR THE PURPOSES IT HAS BEEN PROVIDED BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. NEITHER THE DRAWING NOR ANY PART OF IT CAN BE REPRODUCED, COPIED OR ALTERED, WITHOUT THE CONSENT OF ElectraNet. ALL INFORMATION CONTAINED WITHIN THE DRAWING IS CONFIDENTIAL TO ElectraNet AND MUST NOT BE DISCLOSED TO A THIRD PARTY WITHOUT THE PRIOR CONSENT OF ElectraNet.

LEGEND	
EXISTING ASSETS	
CURRENT S.O.W.	
THIRD PARTY S.O.W.	
FUTURE S.O.W.	
DECOMMISSIONING	

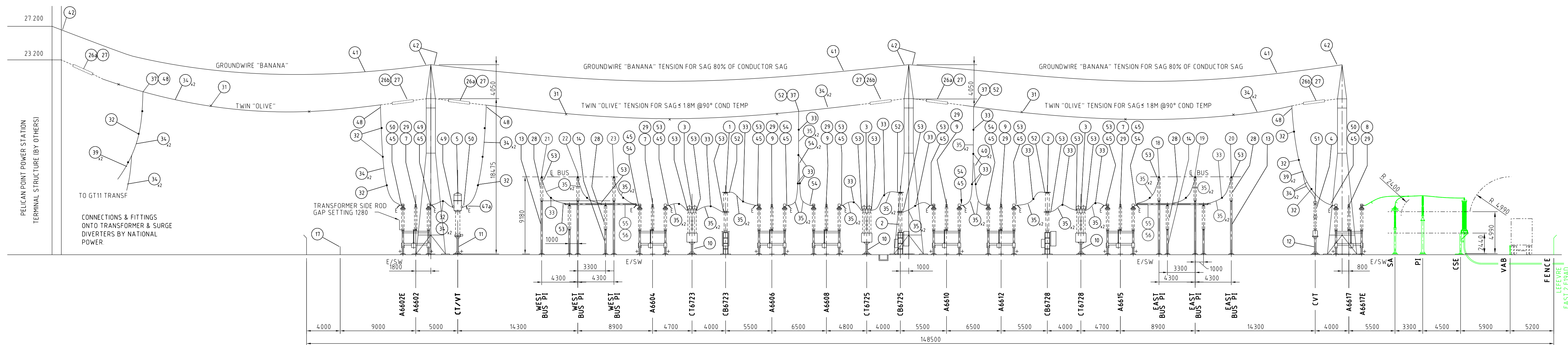
ELECTRANET
ISSUED FOR INFORMATION
25/09/2025 REVISION A,5
PROJECT #08327
SIGNED

DRN	M. PHILLIPS
CKD	J. AHMED
INSP	J. SANCHEZ-NIETO
AUTH	T. PATWA

TOLERANCES UNLESS OTHERWISE SPECIFIED REFER DRAWING:



150
100
50
0mm



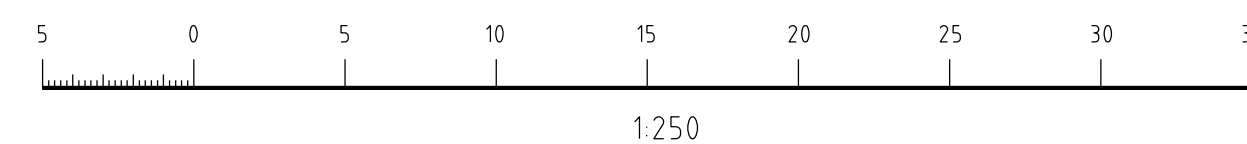
SCALE 1:250
D
006

NOTE:

- ALLOW 200 - 300mm CONDUCTOR SLACK FOR INTERPLANT CONNECTION
- TWO PARALLEL GROOVE CLAMPS REQUIRED PER PARALLEL GROOVE ASSEMBLY
- THE CONTRACTOR SHALL INSTALL A CLEARLY VISIBLE LABEL ON THE CVT NEUTRAL CONNECTION STATING "DANGER, NEUTRAL, DO NOT REMOVE". THE CONTRACTOR SHALL MODIFY THE EXISTING EARTH STRAP TO THE EXISTING CVT TANK. A NEW 4x40mm TINNED COPPER EARTH STRAP EXTENSION SHALL BE BRAISED OR EXOTHERMICALLY WELDED TO THE EXISTING EARTH STRAP. THE NEW EXTENSION SHALL BE BOLTED TO THE NEW CVT EARTH TERMINAL (CABLE CLAMP SECTION TO BE REMOVED)
- STIRRUP TO BE LOCATED APPROXIMATELY 1 METRE FROM THE CVT TERMINAL
- LINE DESIGN TO BE CONFIRMED AT CRITICAL DESIGN.
- FOR BUS BAR MATERIALS AND DETAILS SEE DRAWING 310 193/622-003 & 004.
- FOR SUBSTATION MATERIALS SEE DRAWING 310 193/622-101 & 102.
- CIRCUIT BREAKERS TO BE CONNECTED AS FOLLOWS:
LA TO 'U' PHASE
LB TO 'V' PHASE
LC TO 'W' PHASE
- V-STRING SUSPENSION INSULATOR ASSEMBLIES USED FOR SECTION B CENTRE GANTRY NOT REFLECTED IN AS BUILTS
- THIS DRAWING IS CREATED FOR NOTI - 10404883.

LEGEND:

- E EARTH RING (45) (47) (47a)
- CONDUCTOR SPACER ON DROPPER & INTERPLANT CONNECTIONS
 - "OLIVE" : 83mm CENTRES
 - "SULPHUR" : 83mm CENTRES
- CONDUCTOR SPACER ON STRUNG CONDUCTOR
 - "OLIVE" & "SULPHUR" : 200-300mm CENTRES
- EARTH LUG



DRAFT

CREATED FROM TEMPLATE: 310 193/622-007
DRAWING WAS PREVIOUSLY:

REV A SUB-TITLE
REV

SECTION D-D ANI 275KV RELOCATION

ElectraNet - electricity transmission

PRELIMINARY ELEVATION SECTION
PELICAN POINT SUBSTATION

SCALE 1:250 A1 310 193/608-004 REV A DISTB

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
A	08327 FIRST ISSUE - ENET	MAP	JA	TP	

© ElectraNet
THIS DRAWING IS TO BE USED FOR THE PURPOSES IT HAS BEEN PROVIDED, BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. NEITHER THE DRAWING NOR ANY PART OF IT CAN BE REPRODUCED, COPIED OR ALTERED, WITHOUT THE CONSENT OF ElectraNet. ALL INFORMATION CONTAINED WITHIN THE DRAWING IS CONFIDENTIAL TO ElectraNet AND MUST NOT BE DISCLOSED TO A THIRD PARTY WITHOUT THE PRIOR CONSENT OF ElectraNet.

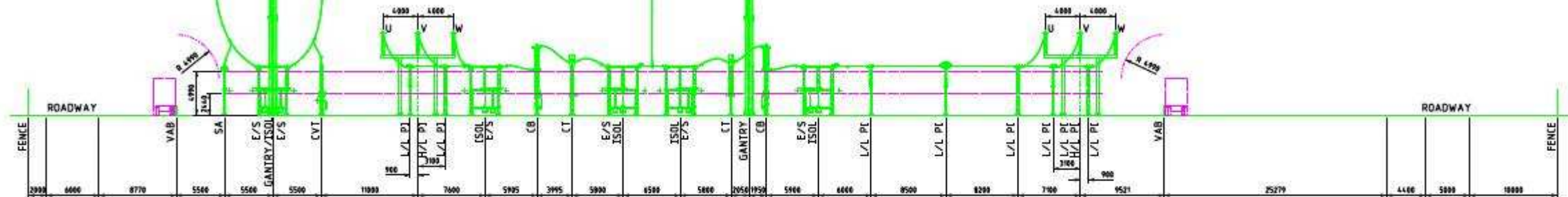
LEGEND	
EXISTING ASSETS	_____
CURRENT S.O.W.	_____
THIRD PARTY S.O.W.	_____
FUTURE S.O.W.	_____
DECOMMISSIONING	_____

ELECTRANET
ISSUED FOR INFORMATION
25/09/2025 REVISION A.5
PROJECT #08327

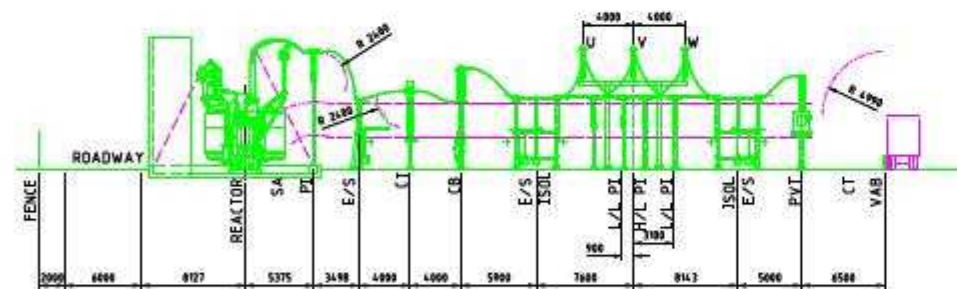
SIGNED _____

DRN	M. PHILLIPS
CKD	J. AHMED
INSP	J. SANCHEZ-NIETO
AUTH	T. PATWA

LEFEVRE
F19AB



ELEVATION +C03



ELEVATION +C04

NOTE

+ INDICATES MAINTENANCE EARTH POINT

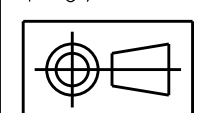
CREATED FROM TEMPLATE:		REV	SUB TITLE
DRAWING WAS PREVIOUSLY:		REV	
ANI 275KV RELOCATION			
ELECTRANET			
DR	M. PHELIPS	09/25	PRELIMINARY ELEVATION SECTIONS LEFEVRE EAST SUBSTATION
DE	J. ARMED	09/25	
DRP	J. SANCHEZ-MIETO	09/25	
MTB	T. PATWA	09/25	
SCALE		1:250	A1 310 00Q/608-002
REV		A	MTB

© Electraset THIS DRAWING IS TO BE USED FOR THE PURPOSES IT HAS BEEN PROVIDED BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. NEITHER THE DRAWING NOR ANY PART OF IT CAN BE REPRODUCED, COPIED, OR ALIENED WITHOUT THE CONSENT OF Electraset. ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF Electraset AND IS CONFIDENTIAL AND MUST NOT BE DISCLOSED TO A THIRD PARTY WITHOUT THE PRIOR CONSENT OF Electraset.			
A	EG-00327	FORST ISSUE - ENET	MAP JA TP 09/25
REV	DETAILS OF REVISION	RVD	IND APD DATE

LEGEND	
EXISTING ASSETS	—
CURRENT S.O.W.	—
THIRD PARTY S.O.W.	—
FUTURE S.O.W.	—
DECOMMISSIONING	—

ELECTRANET
ISSUED FOR INFORMATION
29/09/2025 REVISION 2.6
PROJECT 008327
SIGNED J. SANCHEZ-MIETO

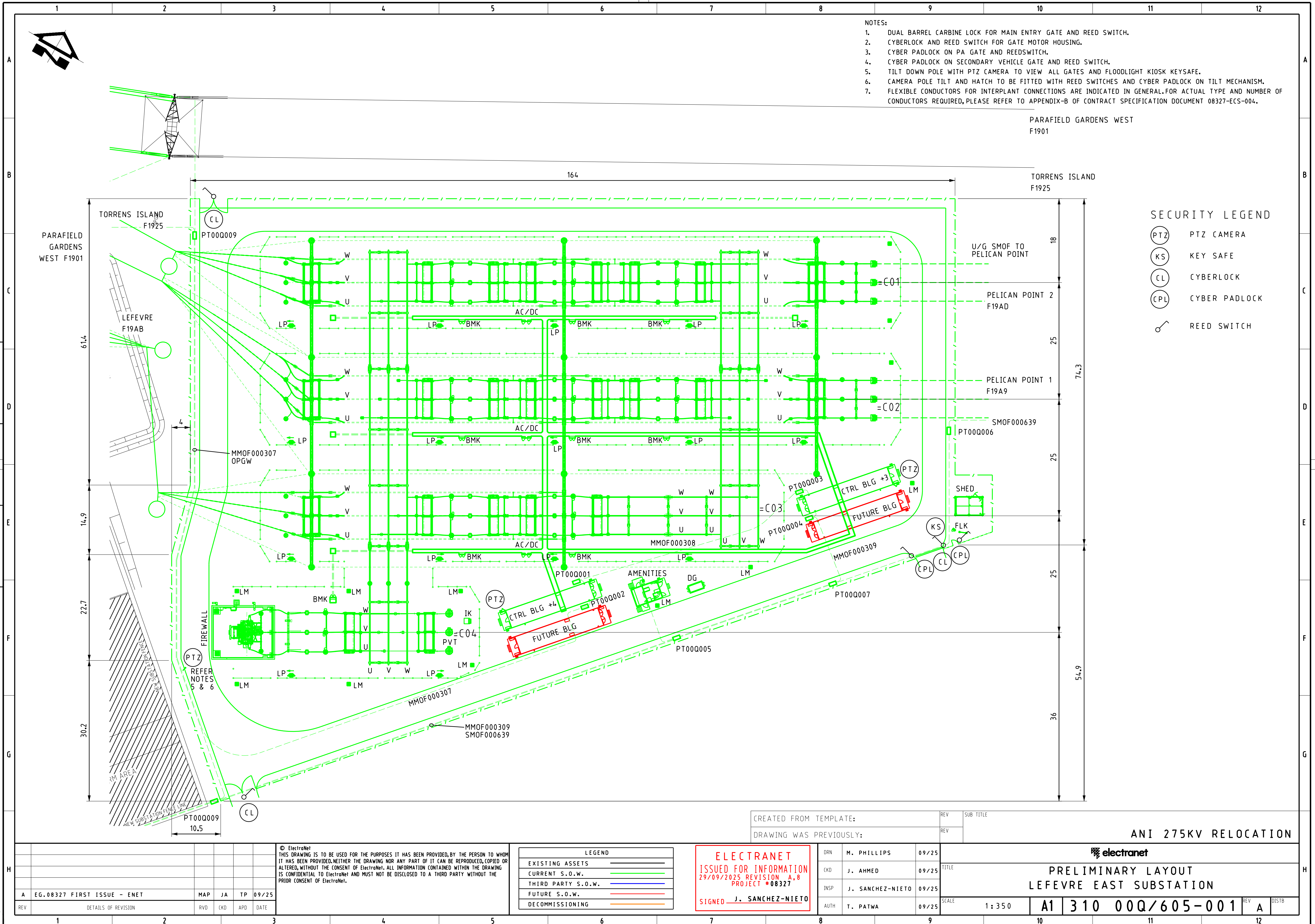
TOLERANCES UNLESS OTHERWISE SPECIFIED REFER DRAWING:



150
100
50
0mm

0mm
50
100
150

H



- NOTES:
1. DUAL BARREL CARBINE LOCK FOR MAIN ENTRY GATE AND REED SWITCH.
 2. CYBERLOCK AND REED SWITCH FOR GATE MOTOR HOUSING.
 3. CYBER PADLOCK ON PA GATE AND REEDSWITCH.
 4. CYBER PADLOCK ON SECONDARY VEHICLE GATE AND REED SWITCH.
 5. TILT DOWN POLE WITH PTZ CAMERA TO VIEW ALL GATES AND FLOODLIGHT KIOSK KEYSAFE.
 6. CAMERA POLE TILT AND HATCH TO BE FITTED WITH REED SWITCHES AND CYBER PADLOCK ON TILT MECHANISM.
 7. FLEXIBLE CONDUCTORS FOR INTERPLANT CONNECTIONS ARE INDICATED IN GENERAL.FOR ACTUAL TYPE AND NUMBER OF CONDUCTORS REQUIRED,PLEASE REFER TO APPENDIX-B OF CONTRACT SPECIFICATION DOCUMENT 08327-ECS-004.

PARAFIELD GARDENS WEST
F1901

TORRENS ISLAND
F1925

SECURITY LEGEND

- (PTZ) PTZ CAMERA
- (KS) KEY SAFE
- (CL) CYBERLOCK
- (CPL) CYBER PADLOCK
- ⌋ REED SWITCH

CREATED FROM TEMPLATE:			REV	SUB TITLE
DRAWING WAS PREVIOUSLY:			REV	
ANI 275KV RELOCATION				
electronet				
PRELIMINARY LAYOUT LEFEVRE EAST SUBSTATION				
DRN	M. PHILLIPS	09/25	TITLE	
CKD	J. AHMED	09/25	SCALE	
INSP	J. SANCHEZ-NIETO	09/25	1:350	
AUTH	T. PATWA	09/25	A1 310 00Q/605-001	
REV			DATE	DISTB
A			09/25	A

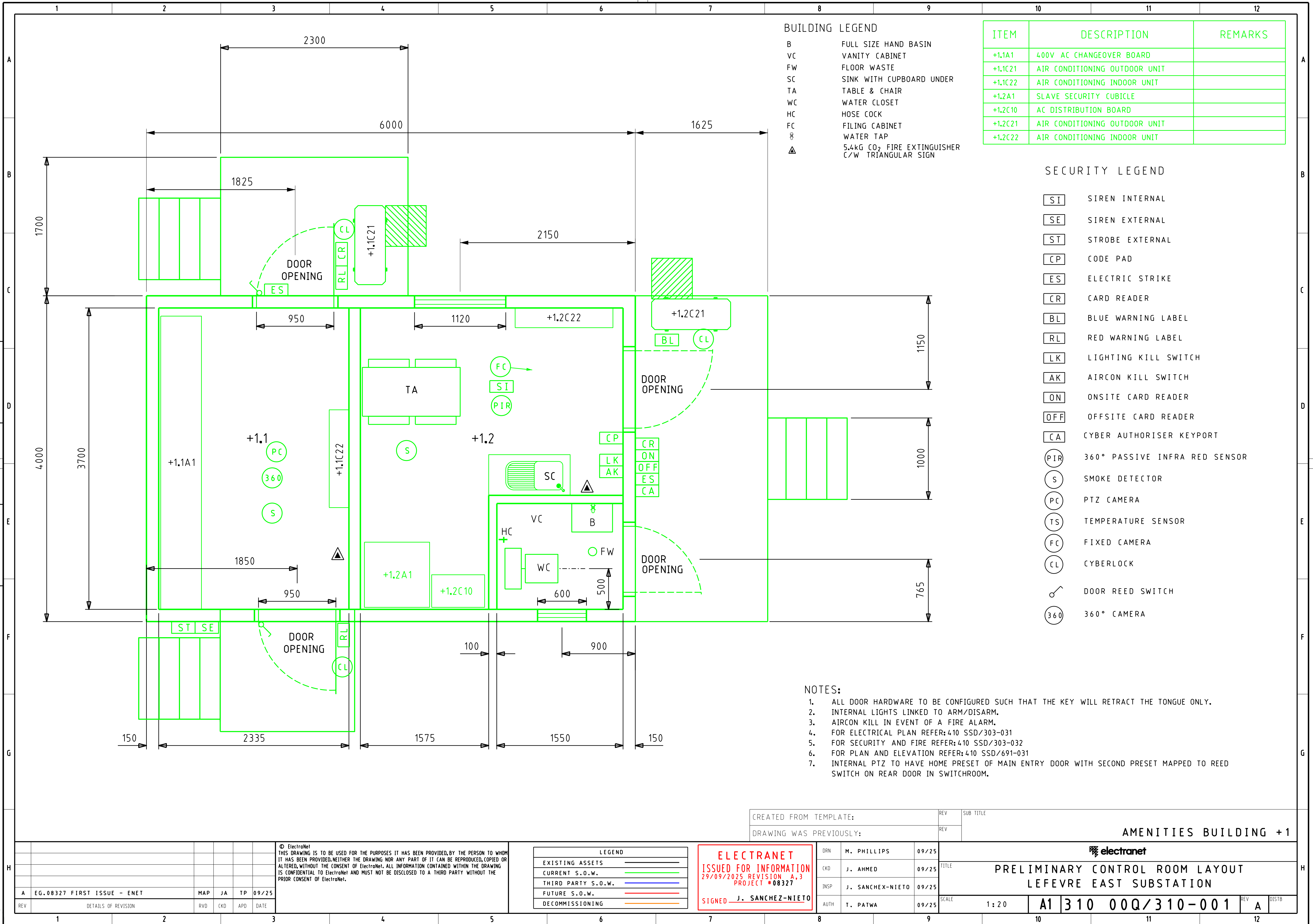
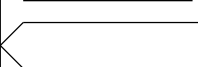
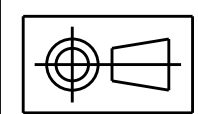
LEGEND	
EXISTING ASSETS	—
CURRENT S.O.W.	—
THIRD PARTY S.O.W.	—
FUTURE S.O.W.	—
DECOMMISSIONING	—

ELECTRANET
ISSUED FOR INFORMATION
29/09/2025 REVISION A.8
PROJECT #08327
SIGNED J. SANCHEZ-NIETO

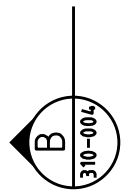
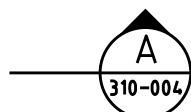
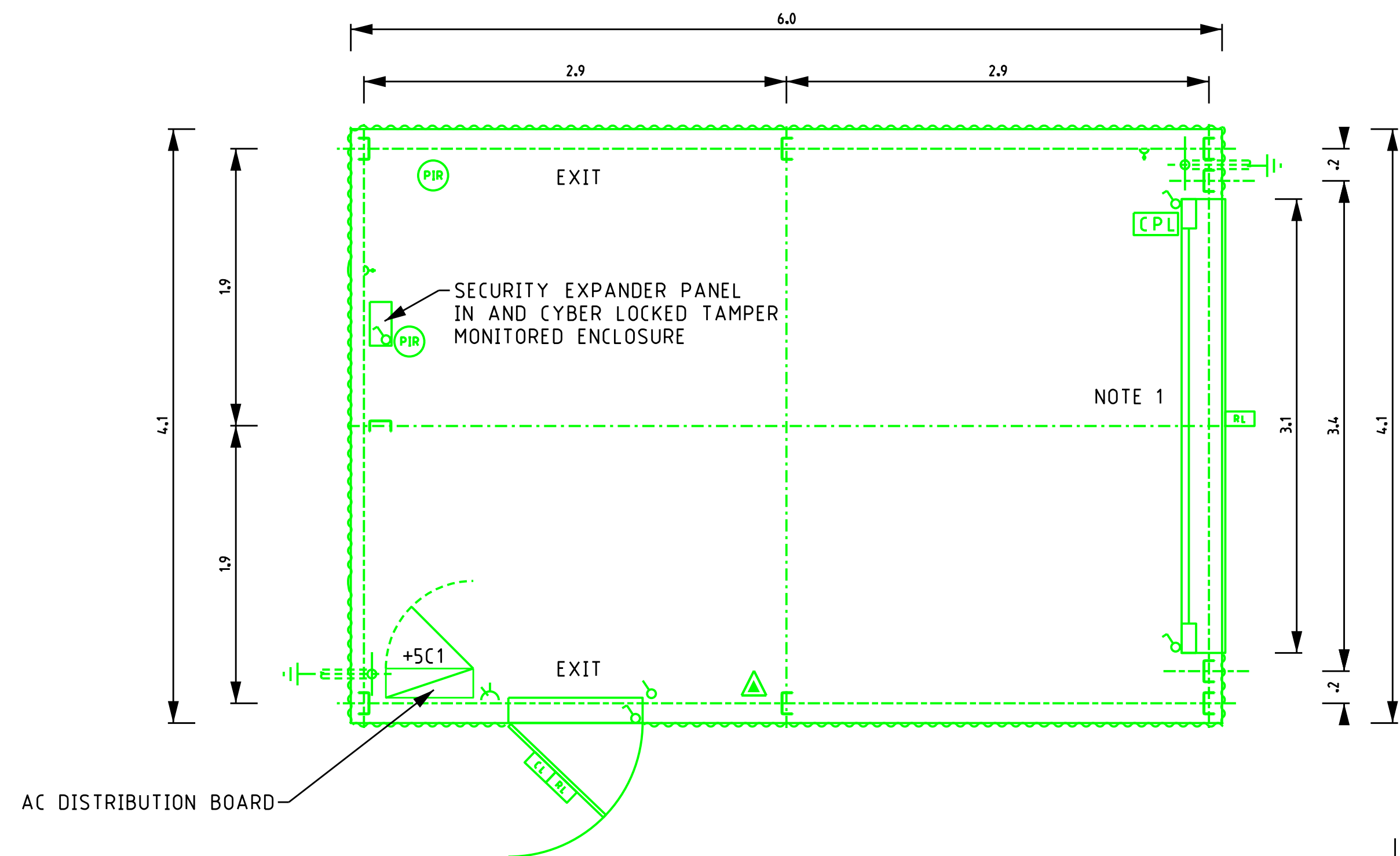
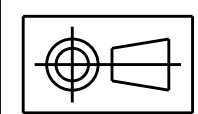
EG.08327 FIRST ISSUE - ENET	MAP	JA	TP	09/25
REV	DETAILS OF REVISION	RVD	CKD	APD

DO NOT SCALE DRAWINGS FOR WORKING DIMENSIONS

TOLERANCES - UNLESS OTHERWISE SPECIFIED REFER DRAWING:

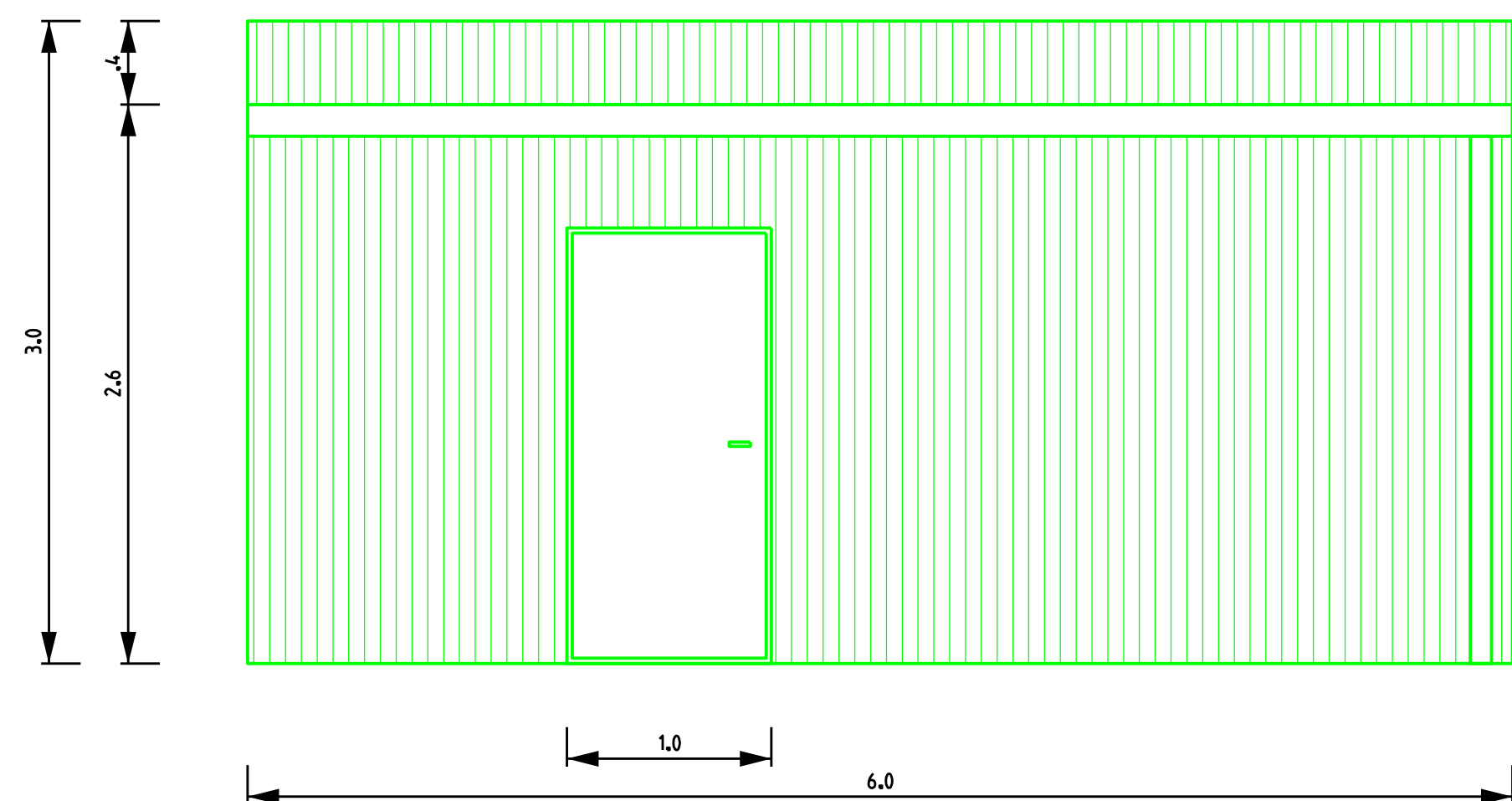


TOLERANCES - UNLESS OTHERWISE SPECIFIED REFER DRAWING:

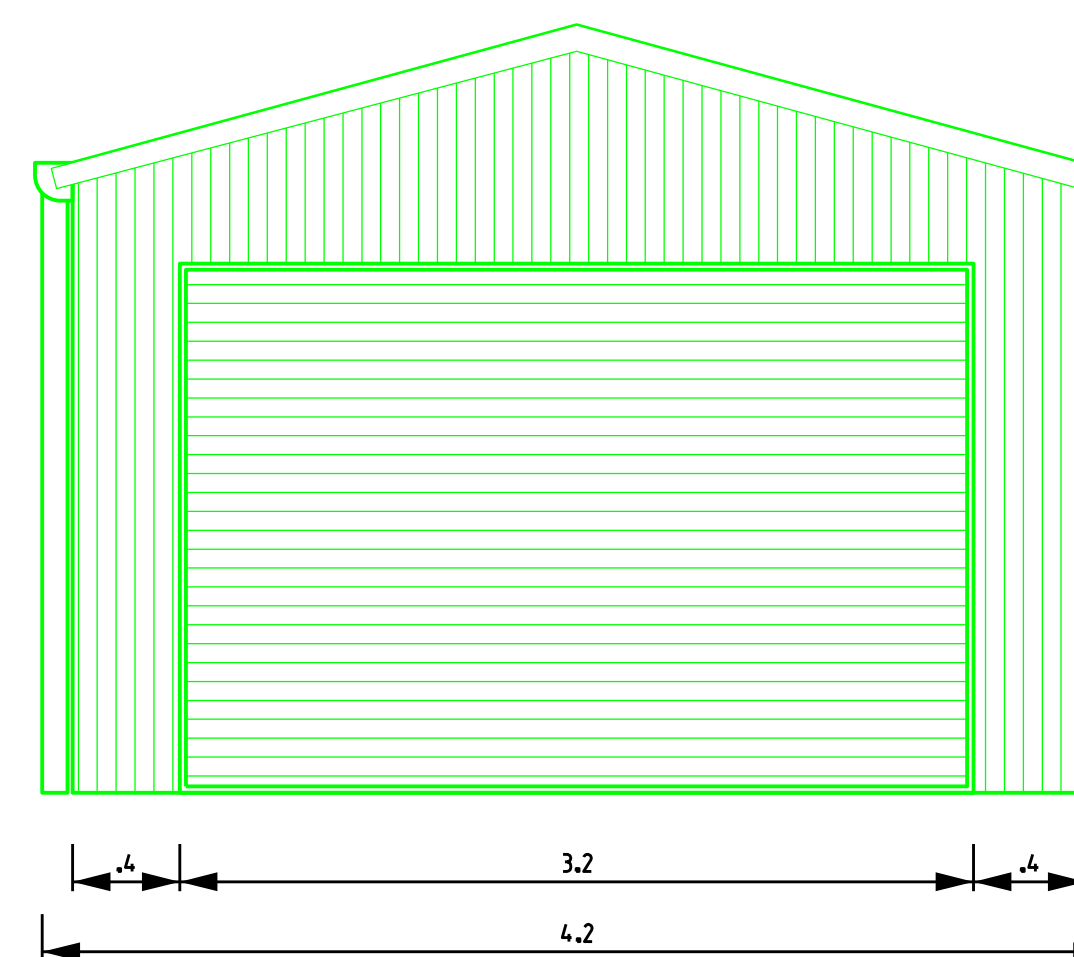


LEGEND

- PIR PASSIVE INFRA RED SENSOR
- CL CYBERLOCK
- PC PTZ CAMERA
- CPL CYBER PADLOCK
- RL RED WARNING LABEL
- DOOR REED SWITCH
- 5.4KG CO2 FIRE EXTINGUISHER
C/W RECTANGULAR SIGN
AS PER AS2444
- LIGHT SWITCH
- DOUBLE (1-2 WAY) SWITCHED SOCKET OUTLET WHITE
(RATING 10A UNLESS NOTED OTHERWISE)



A SECTION A
310-004 1:30



B SECTION B
310-004 1:30

CREATED FROM TEMPLATE:			REV	SUB-TITLE
DRAWING WAS PREVIOUSLY:			REV	
			+5 SHED	
DRN	M. PHILLIPS	09/25	TITLE PRELIMINARY CONTROL BUILDING LAYOUT LEFEVRE EAST SUBSTATION	
CKD	J. AHMED	09/25		
INSP	J. SANCHEZ-NIETO	09/25		
AUTH	T. PATWA	09/25		
			SCALE	1:40
			A1	310 00Q/310-004
			REV	A
			DISTB	

LEGEND	
EXISTING ASSETS	
CURRENT S.O.W.	
THIRD PARTY S.O.W.	
FUTURE S.O.W.	
DECOMMISSIONING	

ELECTRANET
ISSUED FOR INFORMATION
29/09/2025 REVISION A.3
PROJECT #08327
SIGNED J. SANCHEZ-NIETO

© ElectrAnet
THIS DRAWING IS TO BE USED FOR THE PURPOSES IT HAS BEEN PROVIDED BY THE PERSON TO WHOM IT HAS BEEN PROVIDED. NEITHER THE DRAWING NOR ANY PART OF IT CAN BE REPRODUCED, COPIED OR ALTERED, WITHOUT THE CONSENT OF ElectrAnet. ALL INFORMATION CONTAINED WITHIN THE DRAWING IS CONFIDENTIAL TO ElectrAnet AND MUST NOT BE DISCLOSED TO A THIRD PARTY WITHOUT THE PRIOR CONSENT OF ElectrAnet.

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
A	EG.08327 FIRST ISSUE - ENET	MAP	JA	TP	09/25