

- NOTES:
- ALL DIMENSIONS ARE IN METERS AND COORDINATES TO ITM GRID UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE TO ORDINANCE SURVEY DATUM, MALIN HEAD, UNLESS NOTED OTHERWISE.
 - DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
- LEGEND:
- | | |
|---------|---|
| SA | SURGE ARRESTER |
| VT | VOLTAGE TRANSFORMER |
| CT | CURRENT TRANSFORMER, SINGLE PHASE |
| PI | POST INSULATOR |
| CB | CIRCUIT BREAKER |
| DL/DE | LINE/EARTH DISCONNECT |
| DT/DEM4 | TRAFO/EARTH DISCONNECT |
| NER | NEUTRAL EARTHING RESISTOR |
| P | PARKING |
| ● | LIGHTING COLUMN |
| ▨ | ACCESS TRACK |
| ▩ | TEMPORARY WIDENING FOR ABNORMAL LOAD DELIVERIES |
| ■ | FOOTPATH |
| ■ | CONCRETE PLINTH |
| ▨ | CUT EMBANKMENT AT A SLOPE OF 1:1.5 |
| ⊙ | FINISHED COMPOUND LEVEL |
| ⊕ | EXISTING GROUND LEVEL |
| ■ | GRID OPTION 1 |
- EirGrid Substation Design Notes:
- Note 1:**
This is a conceptual design for guidance only. All dimensions and references given are indicative only. Layout to be further optimized during detailed design pending specific equipment supplier and site details.
- Note 2:**
Relocation or additional post insulators may be required, subject to detail design. Not shown for clarity.
- Note 3:**
Vehicular access to all HV plant shall be permitted without the need for unnecessary proximity outages. Consideration of LV cable trench layouts and traffic-bearing trench covers shall be considered during detailed design.
- Note 4:**
Lightning mast, LV trench duct routes, marshalling/interface cabinets and lighting fixtures shall be considered during detailed design.
- Note 5:**
Refer to the auxiliary supply functional specification XDS-GFS-08-001 for LV power supply requirements. The secondary mains LV supply is to be provided from the local MV distribution network. This can be via a pole mounted transformer located outside the palisade fence or via a ground mounted transformer in a kiosk located inside the palisade fence. The precise location of the pole mounted transformer and the ground mounted transformer, as the case may be, are site specific and will be by agreement with EirGrid.
- Note 6:**
The current layout arrangement has been designed to enable this station to be extended in the future to a c-type or ring type busbar station while minimizing outage requirements.
- Note 7:**
Requirement & position of SA/CT/VT in the customer compound is to be determined by the customer. It is the responsibility of the customer to ensure that their transformer is suitably protected from over voltages.
- Note 8:**
Minimum electrical clearances shall comply as outlines in EirGrid general requirements specification XDS-GFS-00-001.
- Note 10:**
A detailed arrangement shall consider proximity of the property boundary fence to the palisade fence, ensuring that it cannot be used as a climbing aid to scale the palisade fence. Arrangement shall be site specific and shall be agreed with EirGrid during the detailed design phase.
- Note 12:**
Interface kiosk location is indicative, final position to be agreed with EirGrid.
- Note 13:**
The customer should allow space for a future transformer connection in the area adjacent to the customer compound and transmission station.
- Note 14:**
PI foundations positioned adjacent to the VTS should be designed such that, upon future development of the station, the may be utilised as foundations for CTS.

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REV.	DWG BY:	APP/CHK:	DATE:	DESCRIPTION
P2	VC	ER	17/11/25	SUBSTATION LAYOUT REVISED

PLANNING

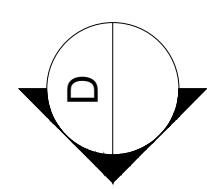
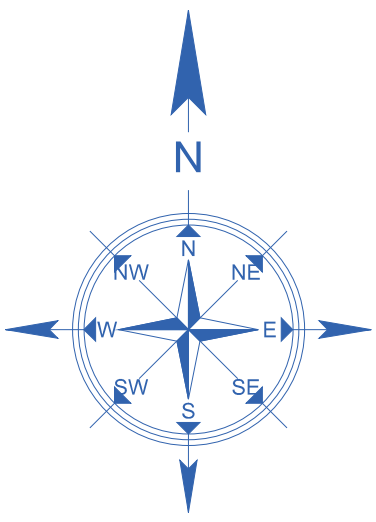
Mable

Consulting Engineers

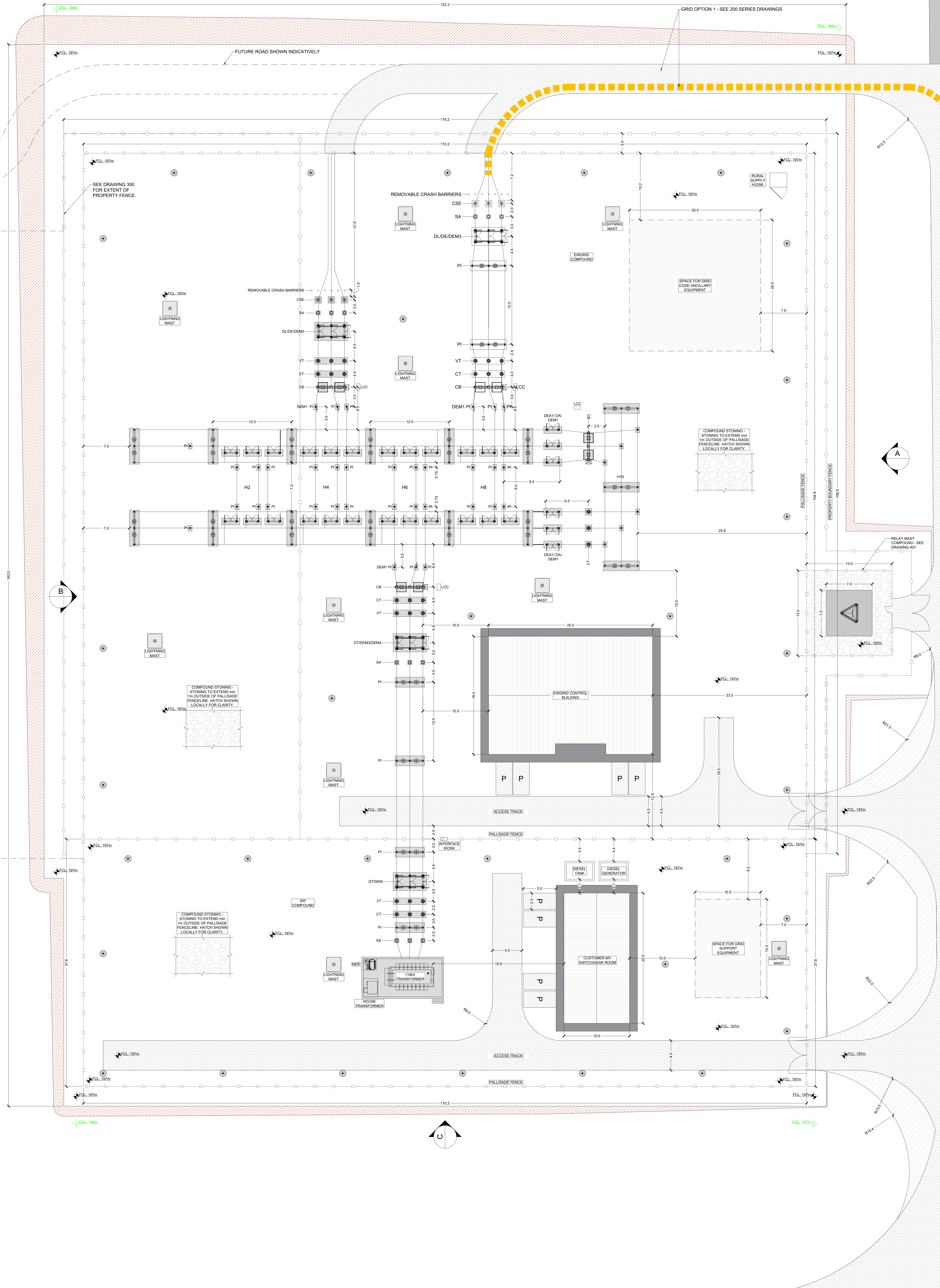
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(0)1 216 2956
Email: info@mable.ie
Website: www.mable.ie

CLIENT:	MANOGATE LTD.			
JOB TITLE:	BALLYFASY WF 110KV GRID CONNECTION, CO. KILKENNY			
DRG. TITLE:	110KV SUBSTATION COMPOUND OPTION 1 - TAIL FED STATION - KEY PLAN			

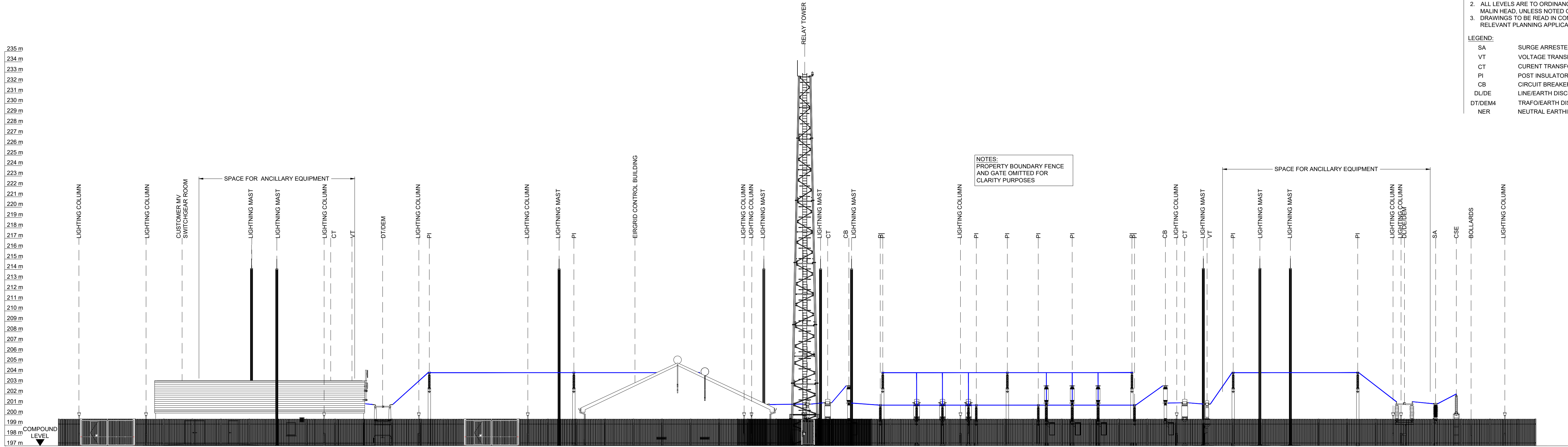
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DES. BY:	ER	25516	250	P1
CHK. BY:	BMG			
APP. BY:	BMG			



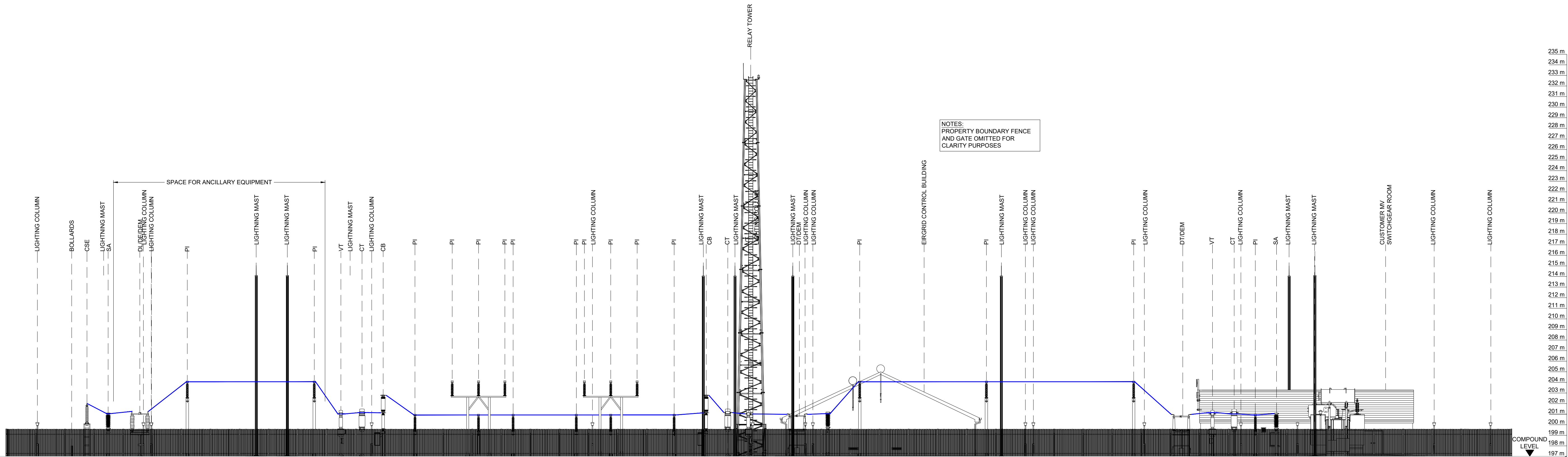
- NOTES:
1. ALL DIMENSIONS ARE IN METERS AND COORDINATES TO TM GRID UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE TO ORDNANCE SURVEY DATUM, MAIN HEAD, UNLESS NOTED OTHERWISE.
 3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
- LEGEND:
- SA SURGE ARRESTER
 - VT VOLTAGE TRANSFORMER
 - CT CURRENT TRANSFORMER, SINGLE PHASE
 - PI POST INSULATOR
 - CB CIRCUIT BREAKER
 - DL/DL/DL LINE/EARTH DISCONNECT
 - DT/DL/DL TRAF/EARTH DISCONNECT
 - NER NEUTRAL EARTHING RESISTOR
 - P PARKING
 - LIGHTING COLUMN
 - ACCESS TRACK
 - TEMPORARY WIDENING FOR ABNORMAL LOAD DELIVERIES
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 - CONCRETE PLINTH
 - CUT EMBANKMENT AT A SLOPE OF 1:1.5
 - FINISHED GROUND LEVEL
 - EXISTING GROUND LEVEL
 - GRID OPTION 1
- Grid Substation Design Notes:
- Note 1: This is a conceptual design for guidance only. All dimensions and references given are indicative only. Layout to be further optimized during detailed design pending specific equipment supplier and site details.
- Note 2: Relocation or additional post insulators may be required, subject to detail design. Not shown for clarity.
- Note 3: Vehicular access to all HV plant shall be permitted without the need for unnecessary gravity outages. Consideration of LV cable trench layouts and traffic-bearing trench covers shall be considered during detailed design.
- Note 4: Lightning mast, LV trench duct routes, monitoring interface cabinets and lighting fixtures shall be considered during detailed design.
- Note 5: Refer to the auxiliary supply functional specification XDS-GFS-001 for LV power supply requirements. The secondary main LV supply is to be provided from the local MV distribution network. This can be via a pole mounted transformer located outside the palisade fence or via a ground mounted transformer in a kiosk located inside the palisade fence. The precise location of the pole mounted transformer and the ground mounted transformer, as the case may be, are site specific and will be by agreement with EirGrid.
- Note 6: The current layout arrangement has been designed to enable this station to be extended in the future to a c-type or ring type busbar station while minimizing outage requirements.
- Note 7: Requirement & position of SA/CT/VT in the customer compound is to be determined by the customer. It is the responsibility of the customer to ensure that their transformer is suitably protected from over voltages.
- Note 8: Minimum electrical clearances shall comply as outlined in EirGrid general requirements specification XDS-GFS-001.
- Note 9: A detailed arrangement shall consider proximity of the property boundary fence to the palisade fence, ensuring that it cannot be used as a climbing aid to scale the palisade fence. Arrangement shall be site specific and shall be agreed with EirGrid during the detailed design phase.
- Note 10: Interlock kiosk location is indicative. Final position to be agreed with EirGrid.
- Note 11: The customer should allow space for a future transformer connection in the area adjacent to the customer compound and transmission station.
- Note 12: PI foundations positioned adjacent to the VTS should be designed such that, upon future development of the station, they may be utilised as foundations for CTS.



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| NER | NEUTRAL EARTHING RESISTOR |



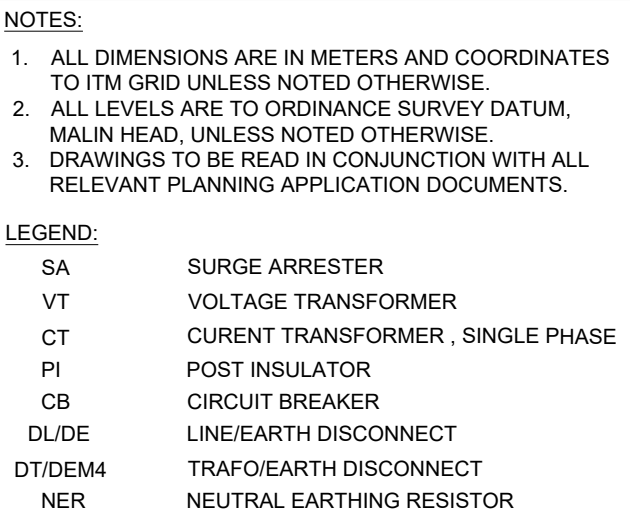
ELEVATION A
SCALE 1:200



ELEVATION B
SCALE 1:200

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	P2	VC	ER	17/11/25	SUBSTATION LAYOUT REVISED

PLANNING		CLIENT:	MANOGATE LTD.		DRAWN:	MM	SCALE: 1:200 @ A1		
<div>Mable</div> <div>Consulting Engineers</div>	Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9 Tel: +353(0)1 216 2956 Email: info@mable.ie Website: www.mable.ie	JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO KILLKENNY		DES. BY:	ER	JOB NO.	DRG. NO.	REV.
		DRG. TITLE:	SUBSTATION COMPOUND OPTION 1 - ELEVATIONS 1 OF 2		CHK. BY:	ER	25516	252	P2
					APP. BY:	BMG			



RELAY TOWER

SPACE FOR ANCILLARY EQUIPMENT

LIGHTING COLUMN
LIGHTNING MAST

LIGHTING COLUMN

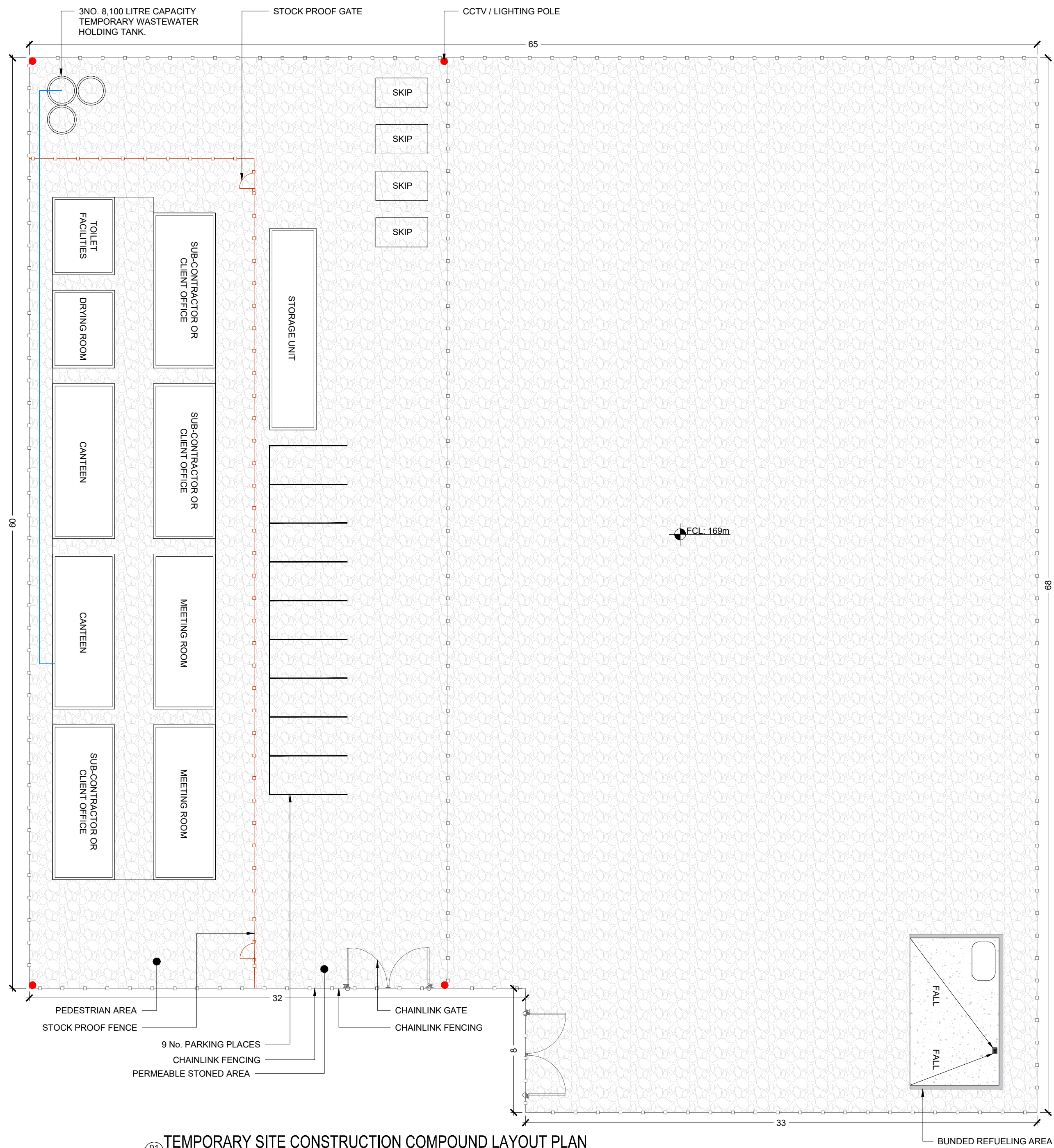
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CB
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NOTES:
PROPERTY BOUNDARY FENCE
AND GATE OMITTED FOR
CLARITY PURPOSES

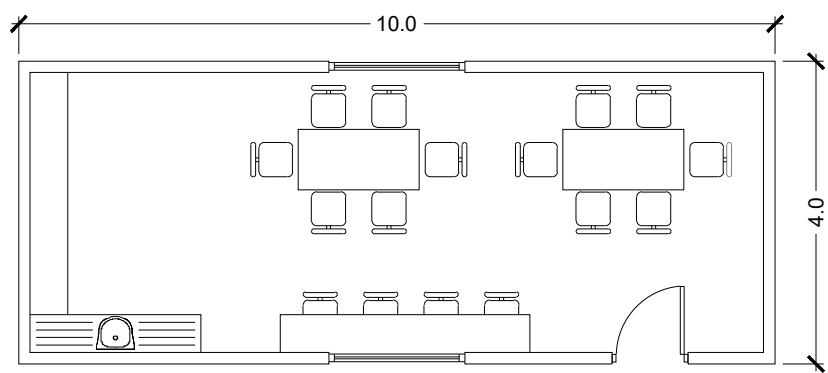
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COMPOUND LEVEL

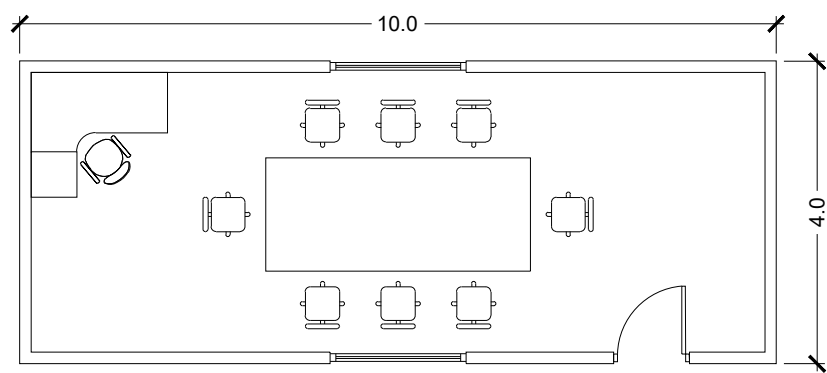
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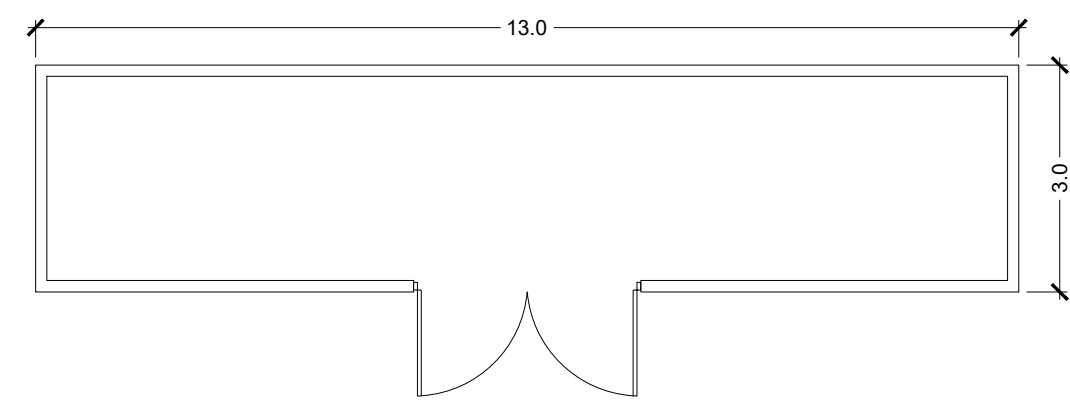
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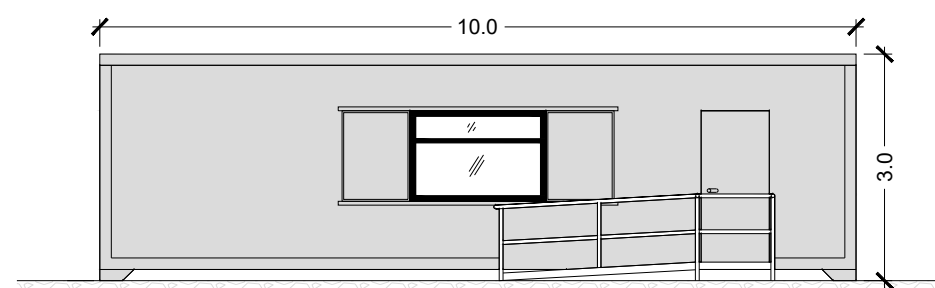
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SCALE 1:100



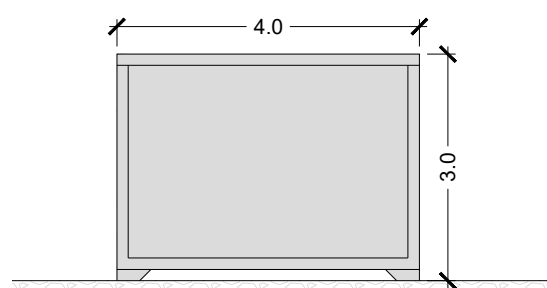
06 MEETING ROOM - PLAN VIEW
SCALE 1:100



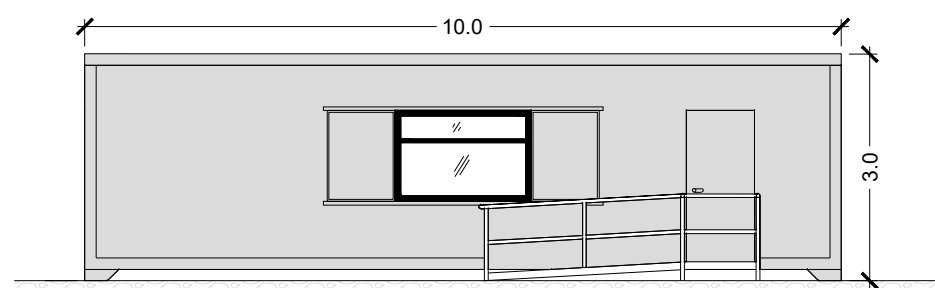
07 STORAGE UNIT - PLAN VIEW
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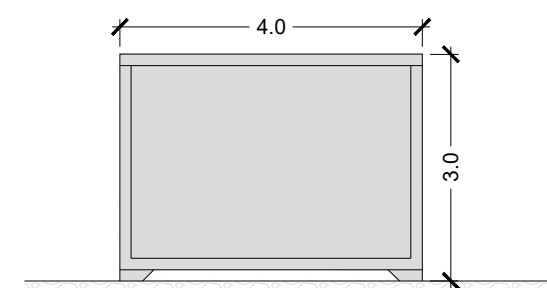
FRONT ELEVATION OF CANTEN AREA
SCALE 1:100



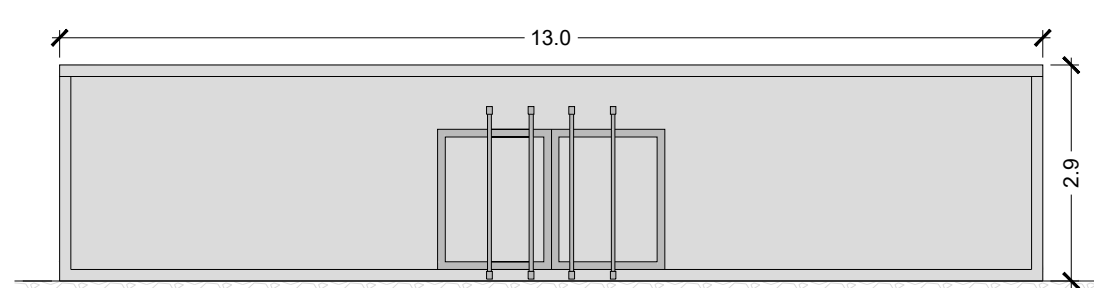
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SCALE 1:100



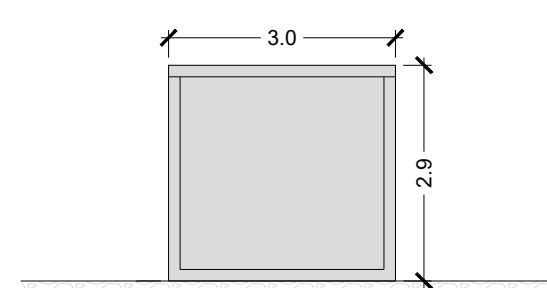
FRONT ELEVATION OF MEETING ROOM
SCALE 1:100



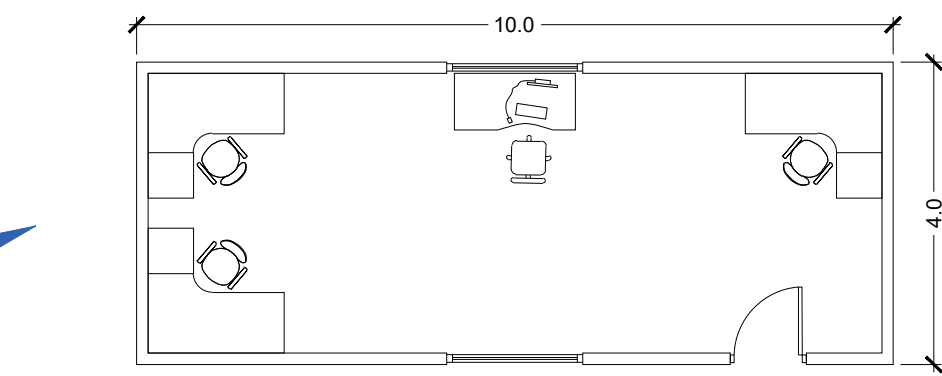
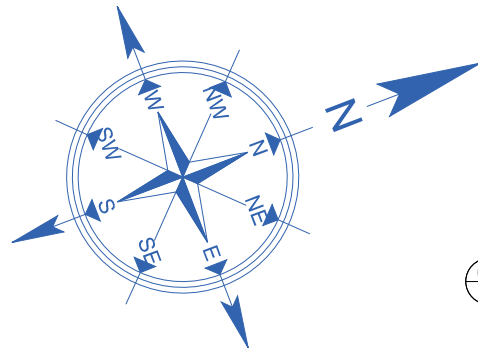
SIDE ELEVATION OF MEETING ROOM
SCALE 1:100



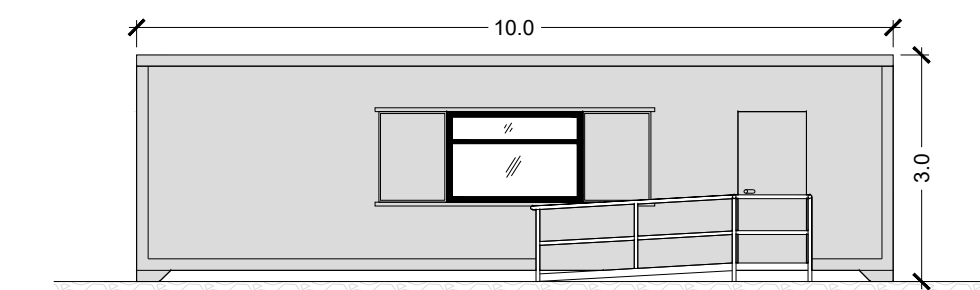
FRONT ELEVATION OF STORAGE UNIT
SCALE 1:100



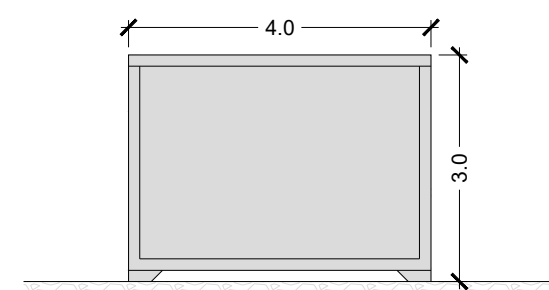
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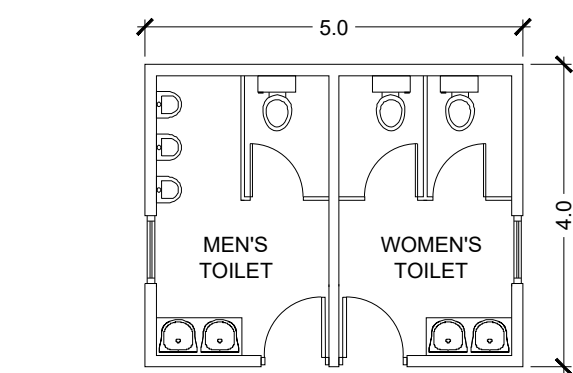
02 SUB-CONTRACTOR OR CLIENT OFFICE - PLAN VIEW
SCALE 1:100



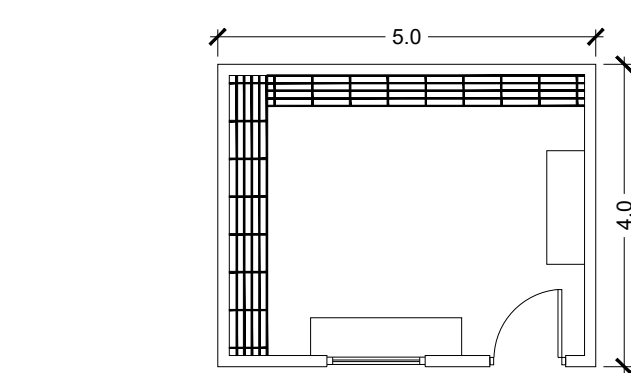
FRONT ELEVATION OF CONTRACTOR OR CLIENT OFFICE
SCALE 1:100



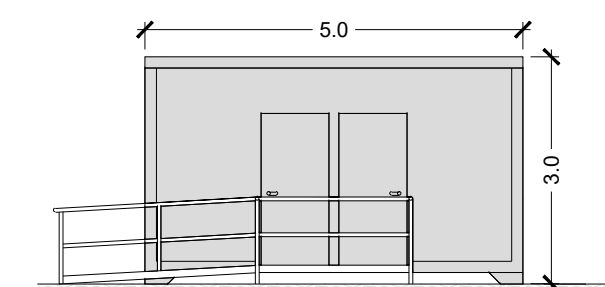
SIDE ELEVATION OF CONTRACTOR OR CLIENT OFFICE
SCALE 1:100



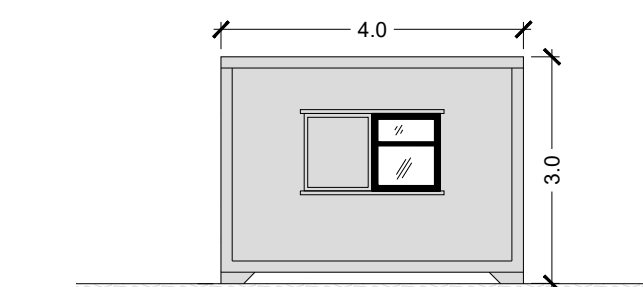
03 TOILET FACILITIES - PLAN VIEW
SCALE 1:100



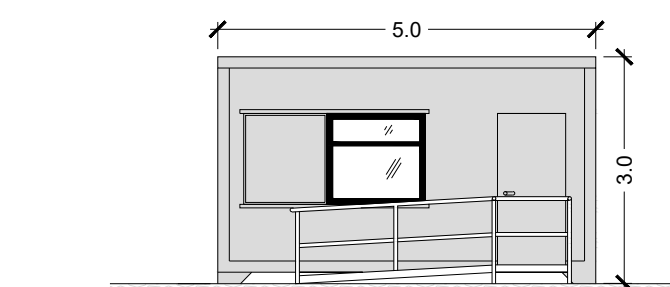
04 DRYING ROOM - PLAN VIEW
SCALE 1:100



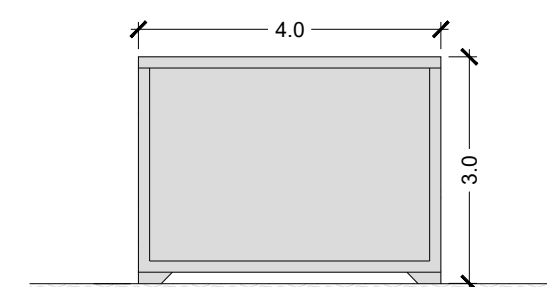
FRONT ELEVATION OF TOILET FACILITIES
SCALE 1:100



SIDE ELEVATION OF TOILET FACILITIES
SCALE 1:100



FRONT ELEVATION OF DRYING ROOM
SCALE 1:100



SIDE ELEVATION OF DRYING ROOM
SCALE 1:100

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 2. ALL LEVELS ARE TO (OSI) ORDINANCE MALIN HEAD VERTICAL DATUM IN METRES.
 3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
 4. USE FIGURED DIMENSIONS ONLY - DO NOT SCALE.


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P2	VC	BMG	26/11/25	ANNOTATION UPDATED

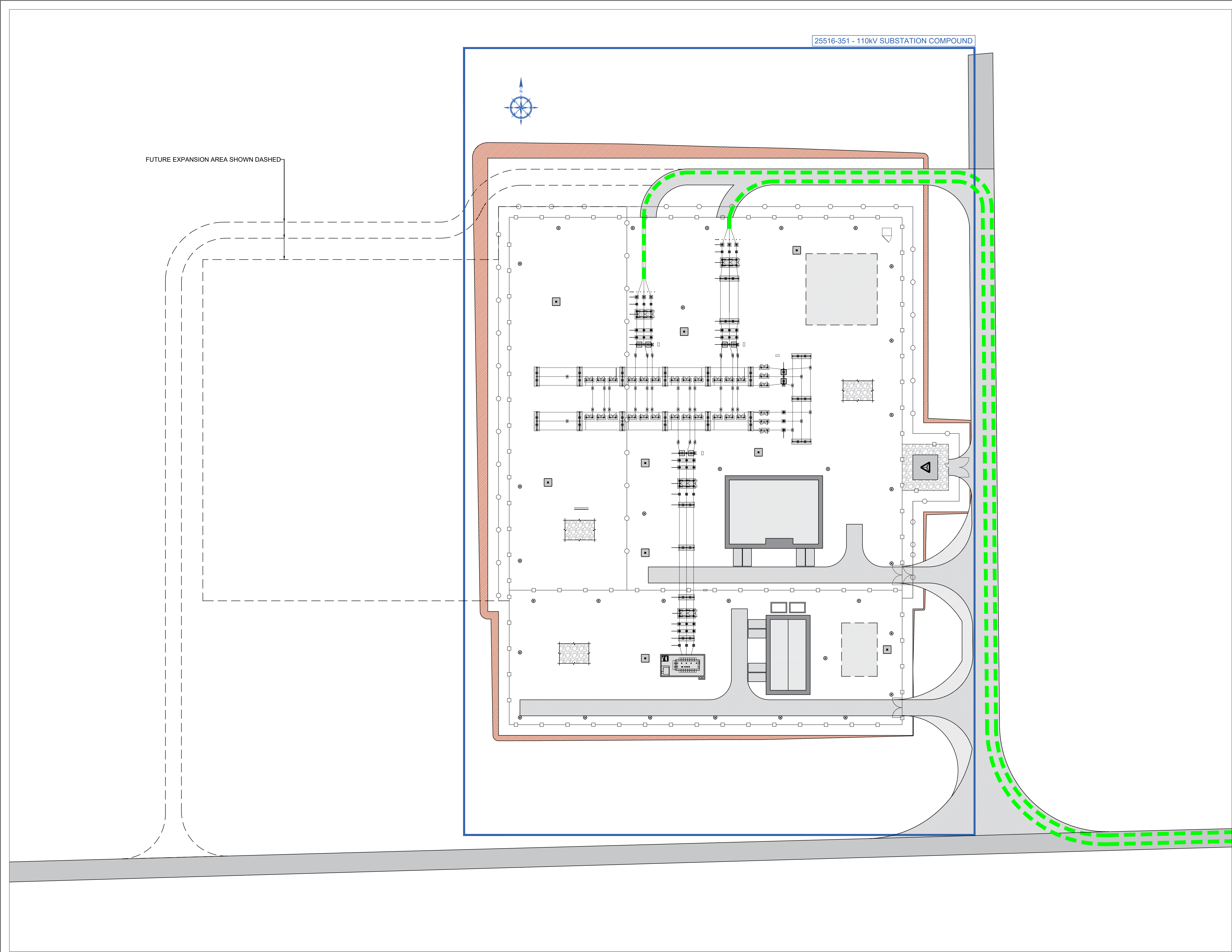
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PLANNING		CLIENT:	MANOGATE LTD.	DRAWN:	VC	SCALE:	AS SHOWN @ A1
	Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9 Tel: +353(0)1 216 2956 Email: info@mable.ie Website: www.mable.ie	JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO.KILLKENNY	DATE:	19/11/25	JOB NO.	25516
		DES. BY:	ER	CHK. BY:	ER	DRG. NO.	254
		APP. BY:	BMG				
		DRG. TITLE:	TEMPORARY SITE CONSTRUCTION COMPOUND LAYOUT AND BUILDING DETAILS				



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 - CUT EMBANKMENT AT A SLOPE OF 1:1.5
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 - GRID OPTION 2

EirGrid Substation Design Notes:

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Note 3:
Vehicular access to all HV plant shall be permitted without the need for unnecessary proximity outages. Consideration of LV cable trench layouts and traffic-bearing trench covers shall be considered during detailed design.

Note 4:
Lightning mast, LV trench duct routes, marshalling/interface cabinets and lighting fixtures shall be considered during detailed design.

Note 5:
Refer to the auxiliary supply functional specification XDS-GFS-08-001 for LV power supply requirements. The secondary mains LV supply is to be provided from the local MV distribution network. This can be via a pole mounted transformer located outside the palisade fence or via a ground mounted transformer in a kiosk located inside the palisade fence. The precise location of the pole mounted transformer and the ground mounted transformer, as the case may be, are site specific and will be by agreement with EirGrid.

Note 6:
The current layout arrangement has been designed to enable this station to be extended in the future to a c-type or ring type busbar station while minimizing outage requirements.

Note 7:
Requirement & position of SA/CT/VT in the customer compound is to be determined by the customer. It is the responsibility of the customer to ensure that their transformer is suitably protected from over voltages.

Note 8:
Minimum electrical clearances shall comply as outlines in EirGrid general requirements specification XDS-GFS-00-001.

Note 10:
A detailed arrangement shall consider proximity of the property boundary fence to the palisade fence, ensuring that it cannot be used as a climbing aid to scale the palisade fence. Arrangement shall be site specific and shall be agreed with EirGrid during the detailed design phase.

Note 12:
Interface kiosk location is indicative. final position to be agreed with EirGrid.

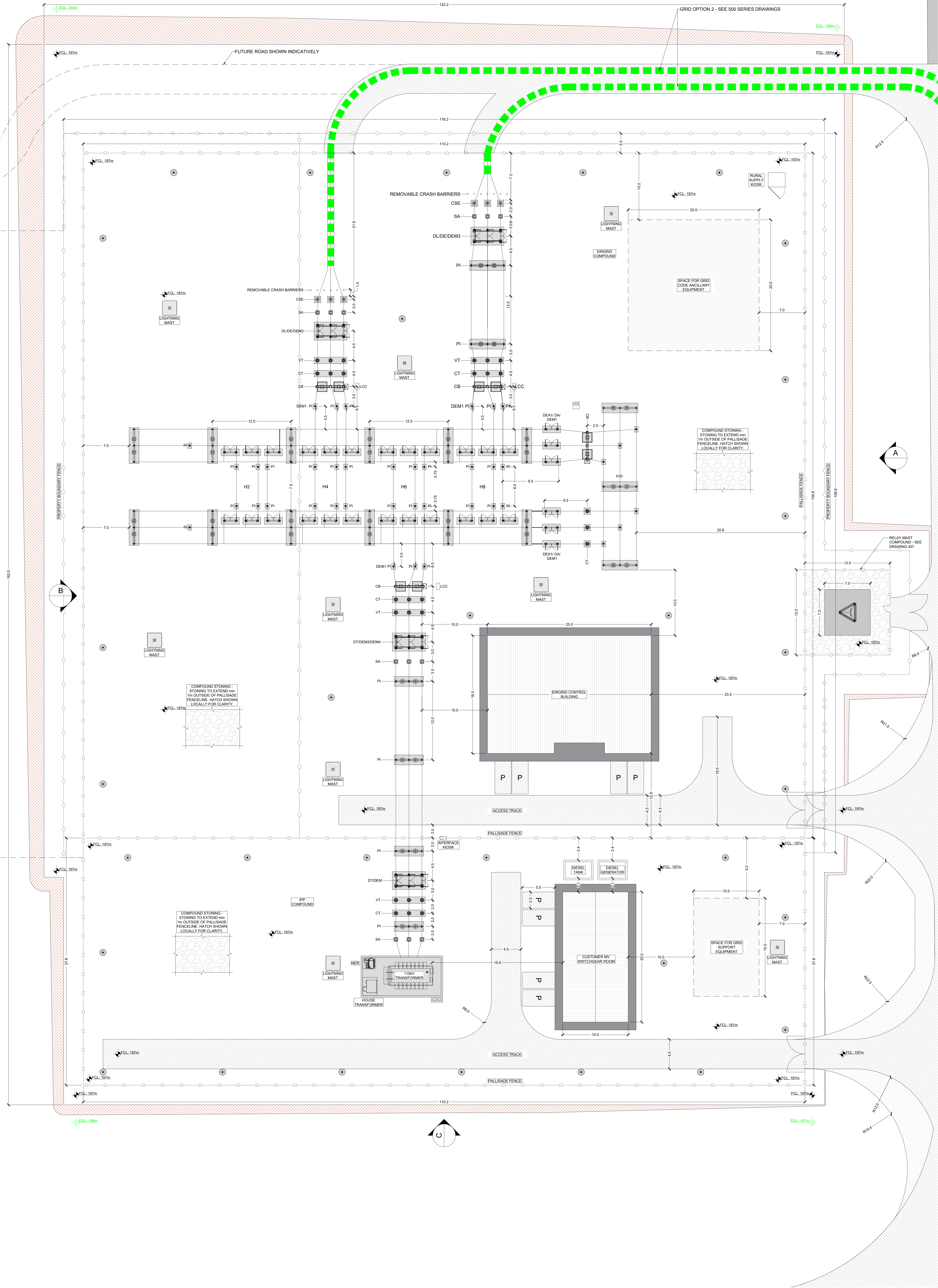
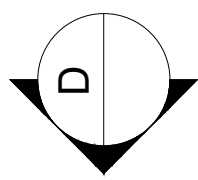
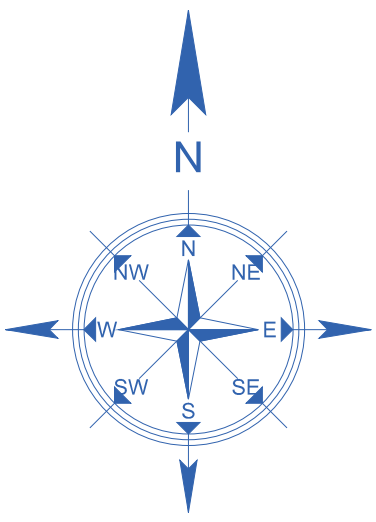
Note 13:
The customer should allow space for a future transformer connection in the area adjacent to the customer compound and transmission station.

Note 14:
PI foundations positioned adjacent to the VTS should be designed such that, upon future development of the station, the may be utilised as foundations for CTS.

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P2	VC	ER	17/11/25	SUBSTATION LAYOUT REVISED

PLANNING		CLIENT:	MANOGATE LTD.		DRAWN:	MM	SCALE: 1:500 @ A1			
<div>Mable</div> <div>Consulting Engineers</div>	Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9 Tel: +353(0)1 216 2956 Email: info@mable.ie Website: www.mable.ie		JOB TITLE:	BALLYFASY WF 110KV GRID CONNECTION, CO. KILKENNY		DATE:	05/08/25	JOB NO.	DRG. NO.	REV.
			DRG. TITLE:	110KV SUBSTATION COMPOUND OPTION 2 - LOOP STATION - KEY PLAN		DES. BY:	ER	25516	350	P2
			CHK. BY:	BMG		APP. BY:	BMG			



- NOTES:
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 - ALL LEVELS ARE TO ORDNANCE SURVEY DATUM, MAIN HEAD, UNLESS NOTED OTHERWISE.
 - DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
- LEGEND:
- SA SURGE ARRESTER
 - VT VOLTAGE TRANSFORMER
 - CT CURRENT TRANSFORMER, SINGLE PHASE
 - PI POST INSULATOR
 - CB CIRCUIT BREAKER
 - DUIDE LINE/EARTH DISCONNECT
 - DTIDEM3 TRAF/EARTH DISCONNECT
 - NER NEUTRAL EARTHING RESISTOR
 - P PARKING
 - Lighting Column
 - ACCESS TRACK
 - TEMPORARY WIDENING FOR ABNORMAL LOAD DELIVERIES
 - FOOTPATH
 - CONCRETE PLINTH
 - CUT EMBANKMENT AT A SLOPE OF 1:1.5
 - FCL 197m FINISHED COMPOUND LEVEL
 - EGL 198m EXISTING GROUND LEVEL
 - GRID OPTION 2
- EirGrid Substation Design Notes:
- Note 1:
This is a conceptual design for guidance only. All dimensions and references given are indicative only. Layout to be further optimized during detailed design pending specific equipment supplier and site details.
- Note 2:
Revision or additional post insulators may be required, subject to detail design. Not shown for clarity.
- Note 3:
Vehicular access to all HV plant shall be permitted without the need for unnecessary proximity outages. Consideration of LV cable trench layouts and traffic-bearing trench covers shall be considered during detailed design.
- Note 4:
Lighting mast, LV trench duct routes, metering/interface cabinets and lighting fixtures shall be considered during detailed design.
- Note 5:
Refer to the auxiliary supply functional specification XDS-GFS-00-001 for LV power supply requirements. The secondary mains LV supply is to be provided from the local MV distribution network. This can be via a pole mounted transformer located outside the palisade fence or via a ground mounted transformer in a kiosk located inside the palisade fence. The precise location of the pole mounted transformer and the ground mounted transformer, as the case may be, are site specific and will be by agreement with EirGrid.
- Note 6:
The current layout arrangement has been designed to enable this station to be extended in the future to a c-type or ring type busbar station while retaining outage requirements.
- Note 7:
Requirement & position of SA/CT/VT in the customer compound is to be determined by the customer. It is the responsibility of the customer to ensure that their transformer is suitably protected from over voltages.
- Note 8:
Minimum electrical clearances shall comply as outlined in EirGrid general requirements specification XDS-GFS-00-001.
- Note 9:
A detailed arrangement shall consider proximity of the property boundary fence to the palisade fence, ensuring that it cannot be used as a climbing aid to scale the palisade fence. Arrangement shall be site specific and shall be agreed with EirGrid during the detailed design phase.
- Note 10:
Intention kiosk location is indicative, final position to be agreed with EirGrid.
- Note 11:
The customer should allow space for a future transformer connection in the area adjacent to the customer compound and transmission station.
- Note 12:
PI foundations positioned adjacent to the VTS should be designed such that, upon future development of the station, they may be utilised as foundations for CTS.

REV.	DWG.	APP.	DATE:	DESCRIPTION
P2	VC	ER	17/1/25	SUBSTATION LAYOUT REVISED

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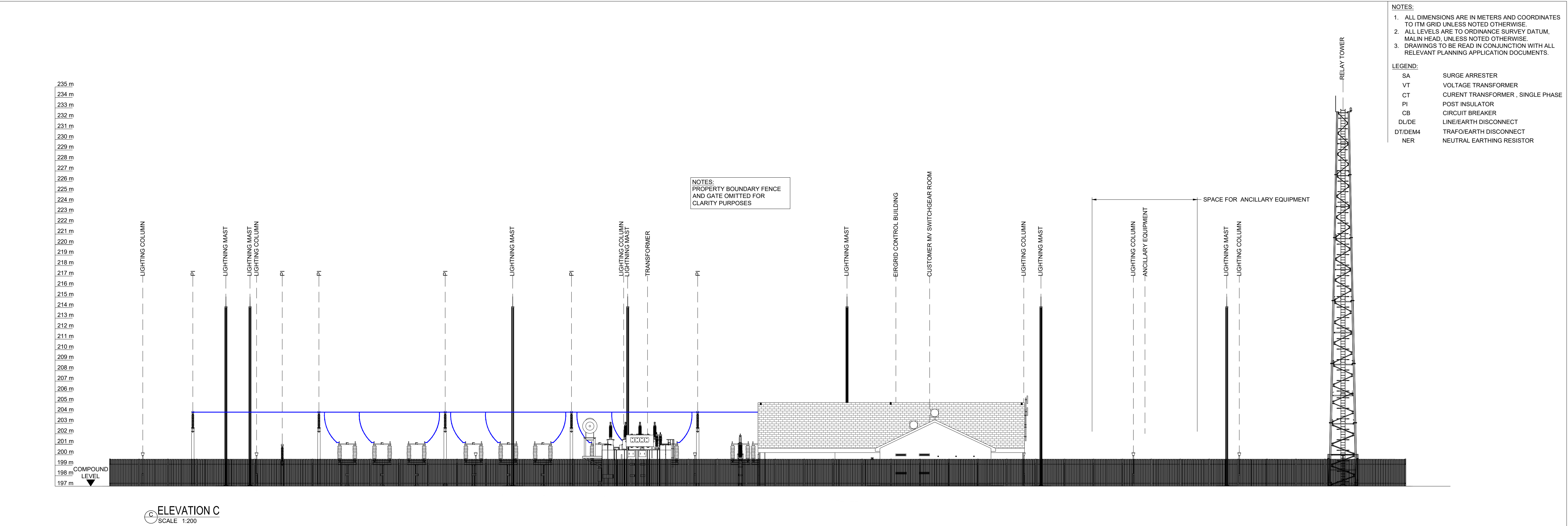
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ORG. TITLE:	110KV SUBSTATION COMPOUND OPTION 2 - LOOP STATION	DES. BY:	ER	DRG. NO.	
		CHK. BY:	ER	25518	351
		APP. BY:	BMG		P2



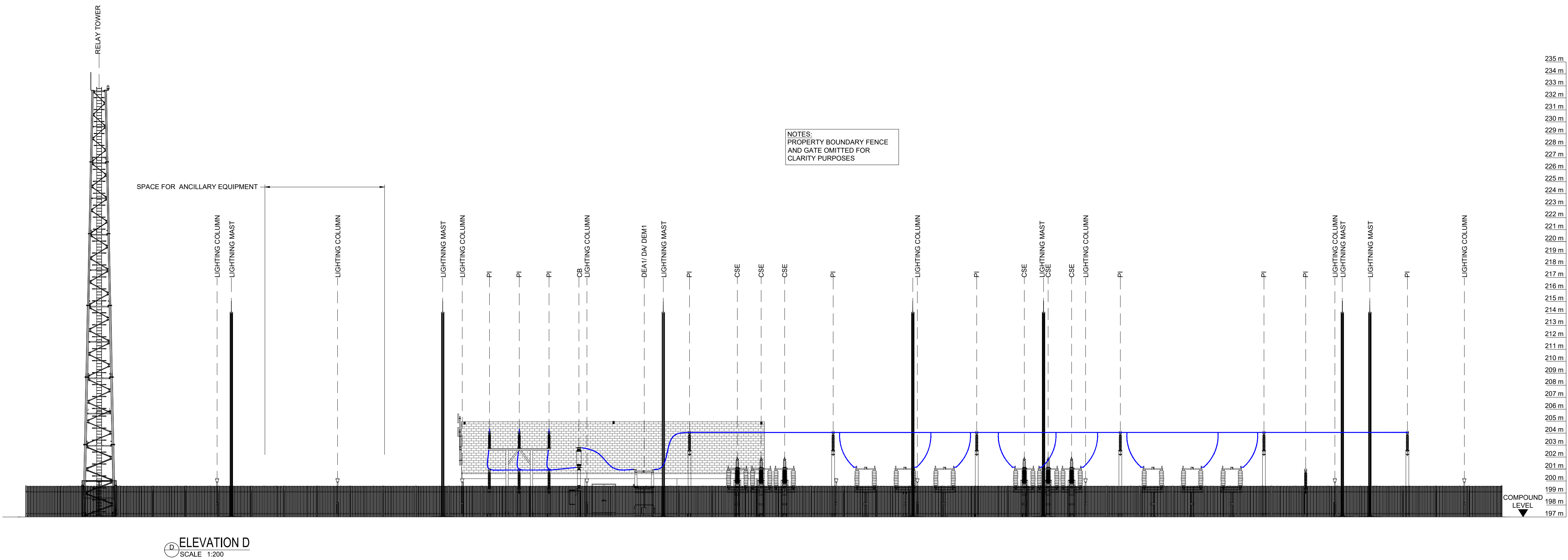
NOTES:
PROPERTY BOUNDARY FENCE
AND GATE OMITTED FOR
CLARITY PURPOSES

NOTES:
PROPERTY BOUNDARY FENCE
AND GATE OMITTED FOR
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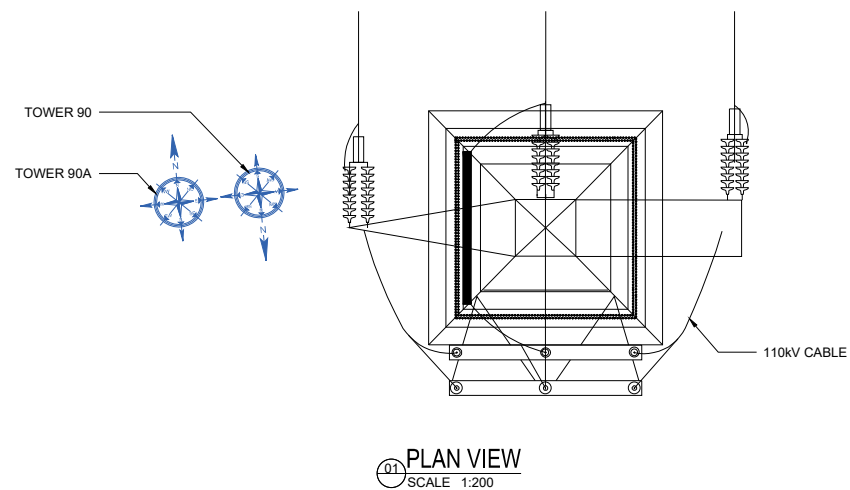
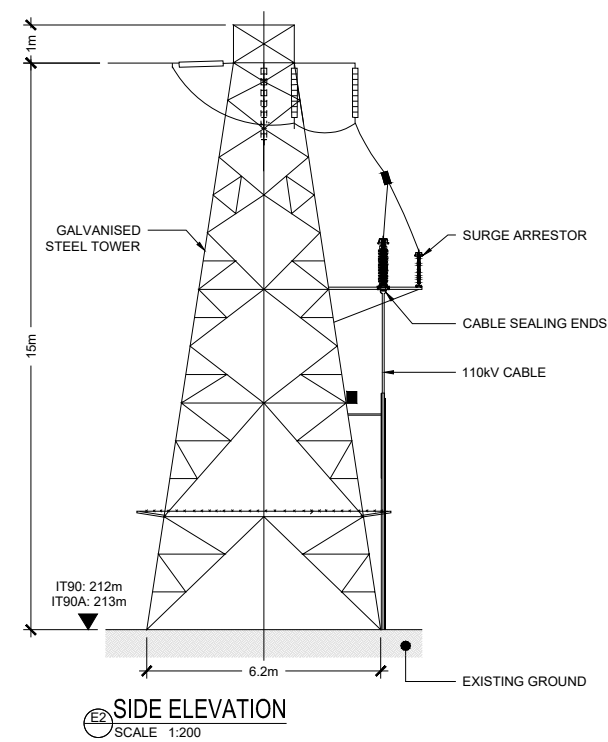
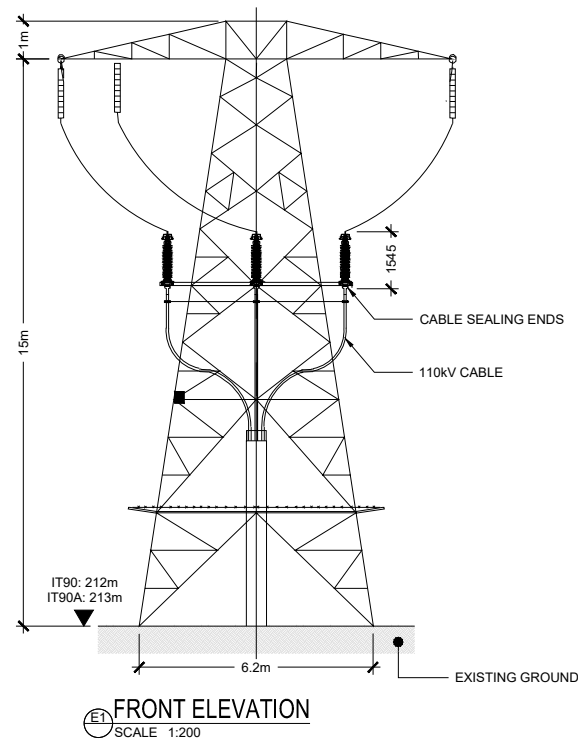
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			DES. BY: ER				
			CHK. BY: ER				
		DRG. TITLE: SUBSTATION COMPOUND OPTION 2 - ELEVATIONS 1 OF 2		25516	352	P2	
		APP. BY: BMG					



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- LEGEND:
- | | |
|---------|-----------------------------------|
| SA | SURGE ARRESTER |
| VT | VOLTAGE TRANSFORMER |
| CT | CURRENT TRANSFORMER, SINGLE PHASE |
| PI | POST INSULATOR |
| CB | CIRCUIT BREAKER |
| DL/DE | LINE/EARTH DISCONNECT |
| DT/DEM4 | TRAF0EARTH DISCONNECT |
| NER | NEUTRAL EARTHING RESISTOR |

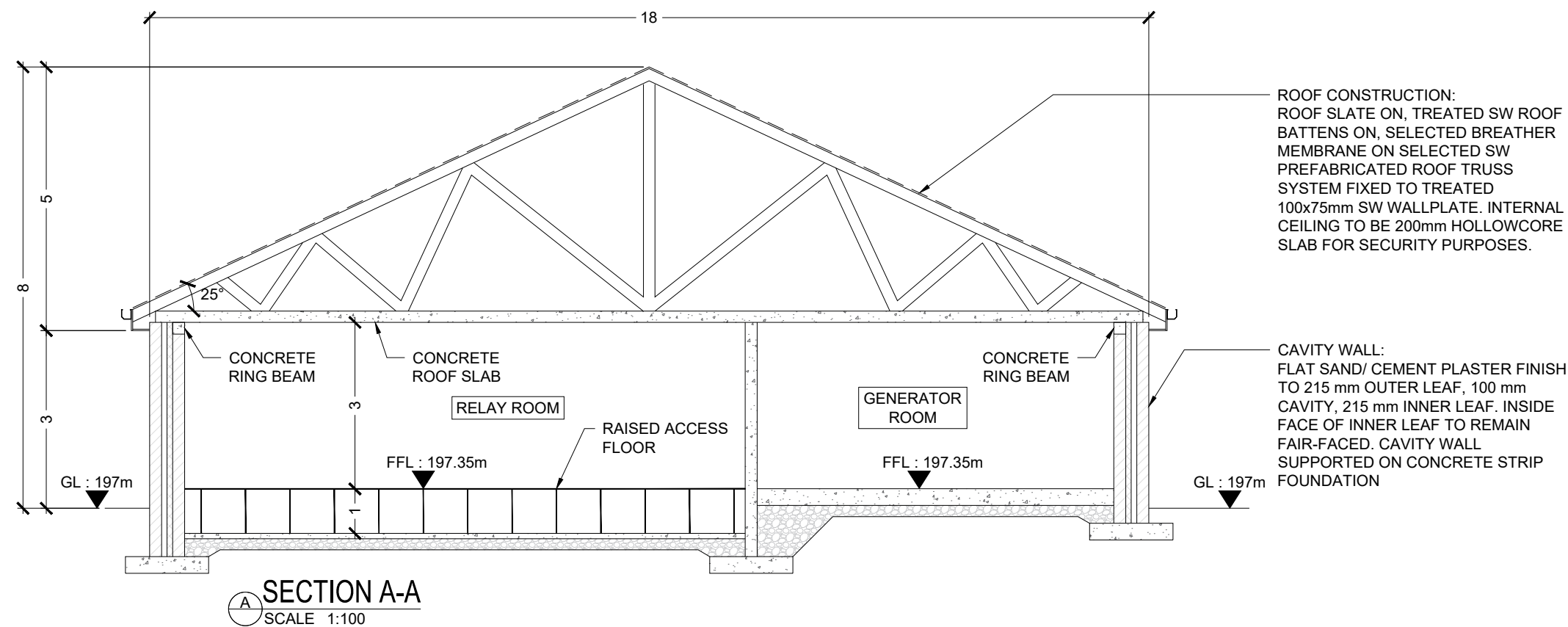
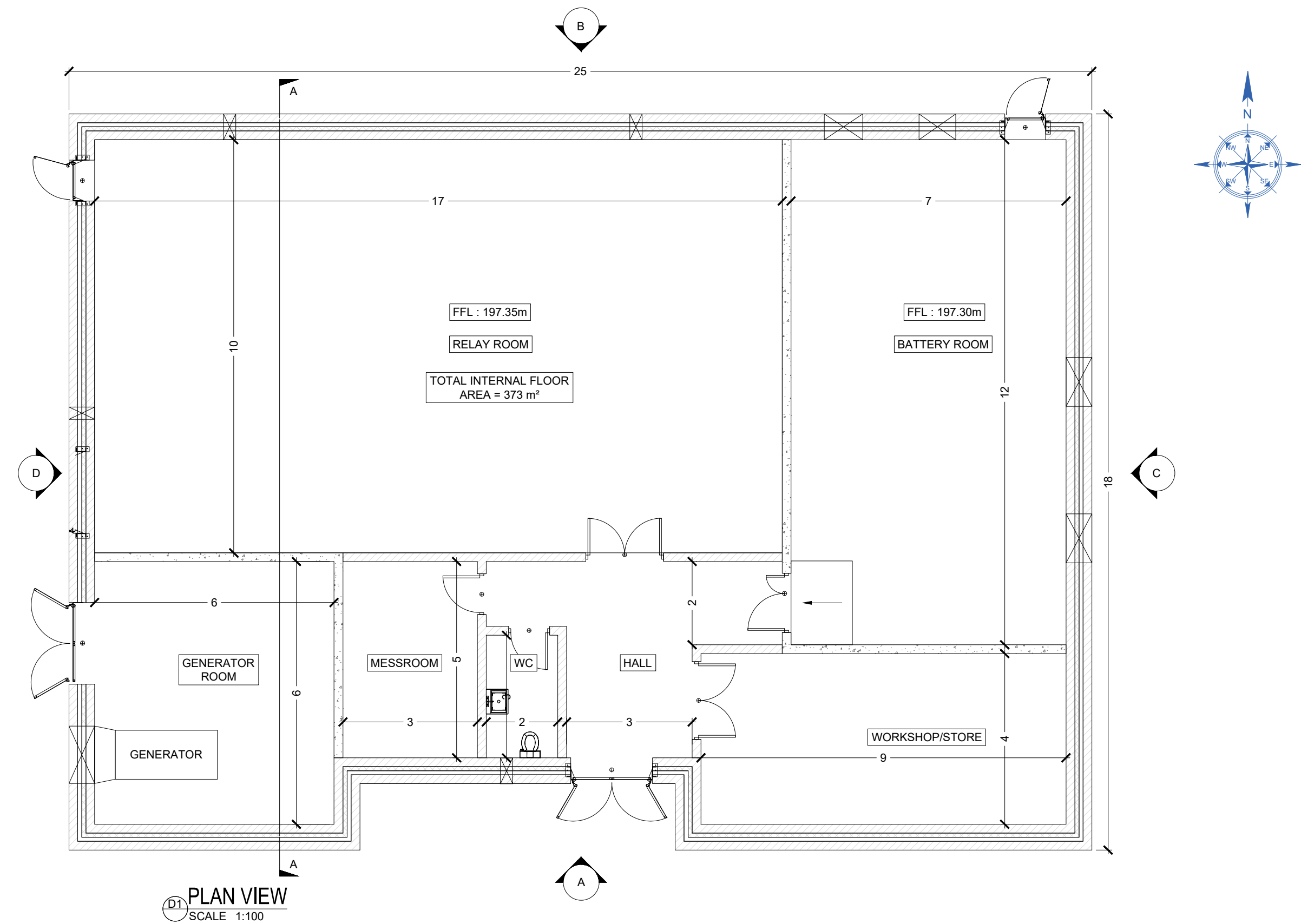
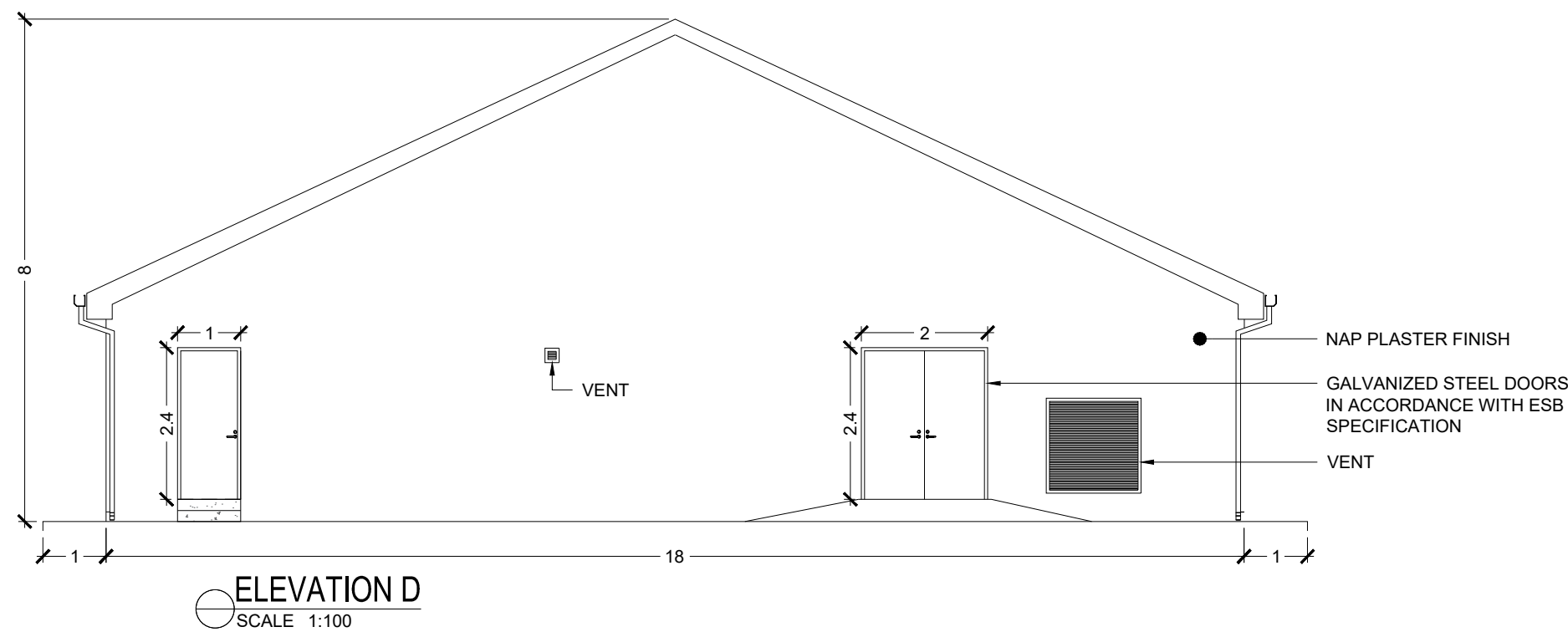
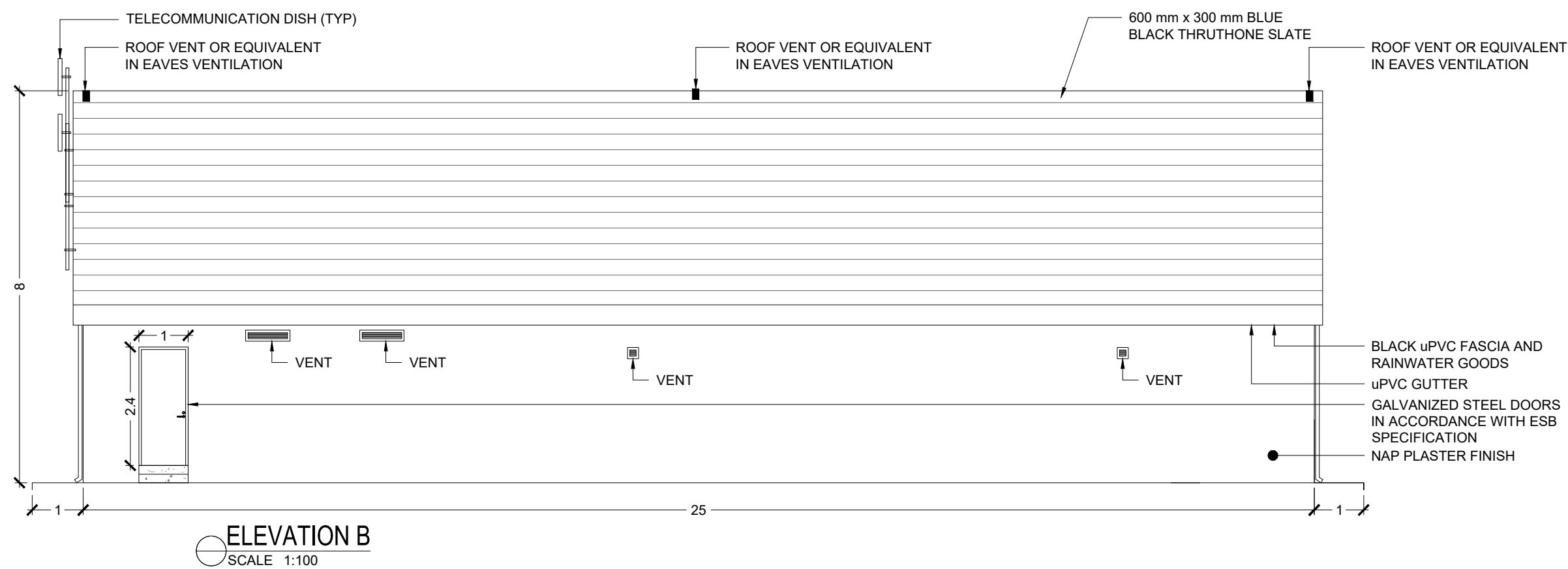
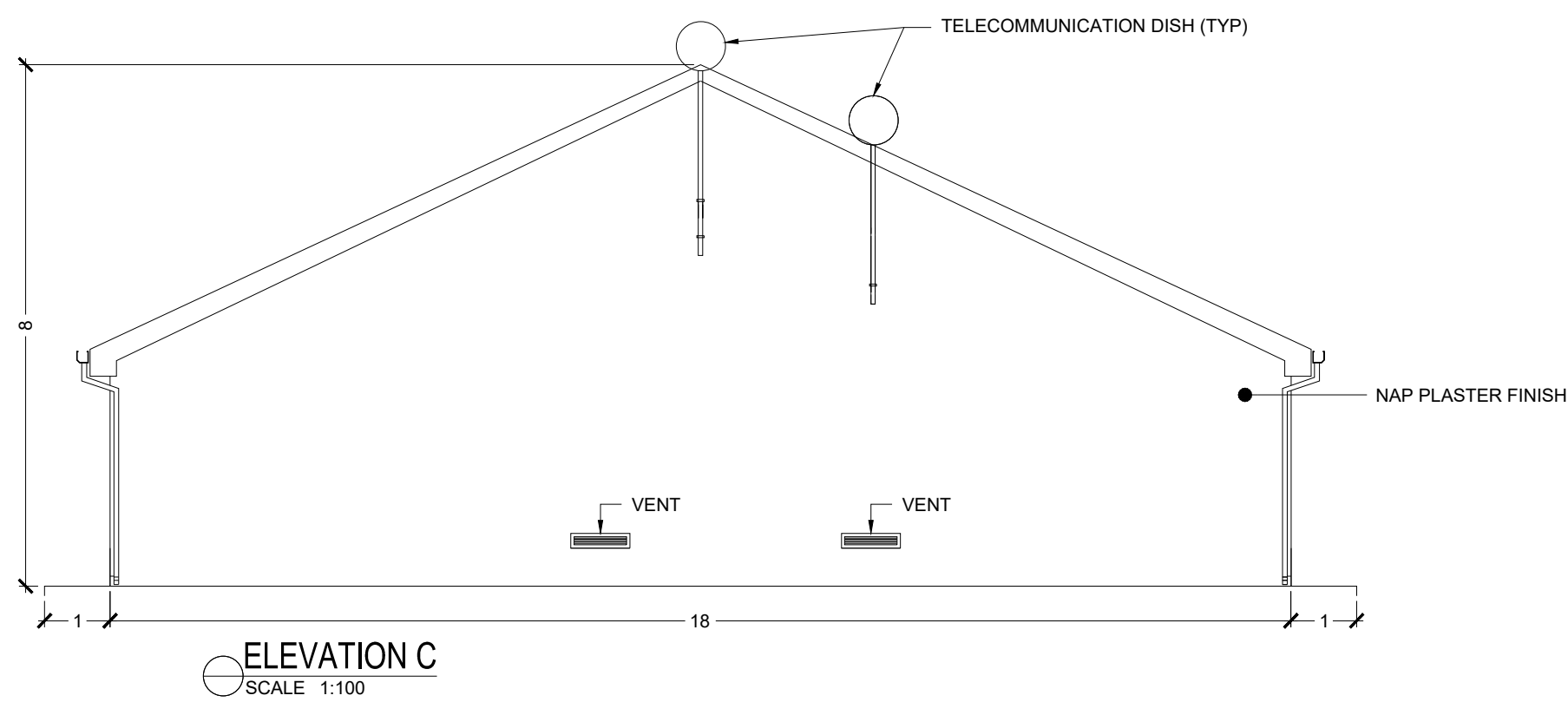
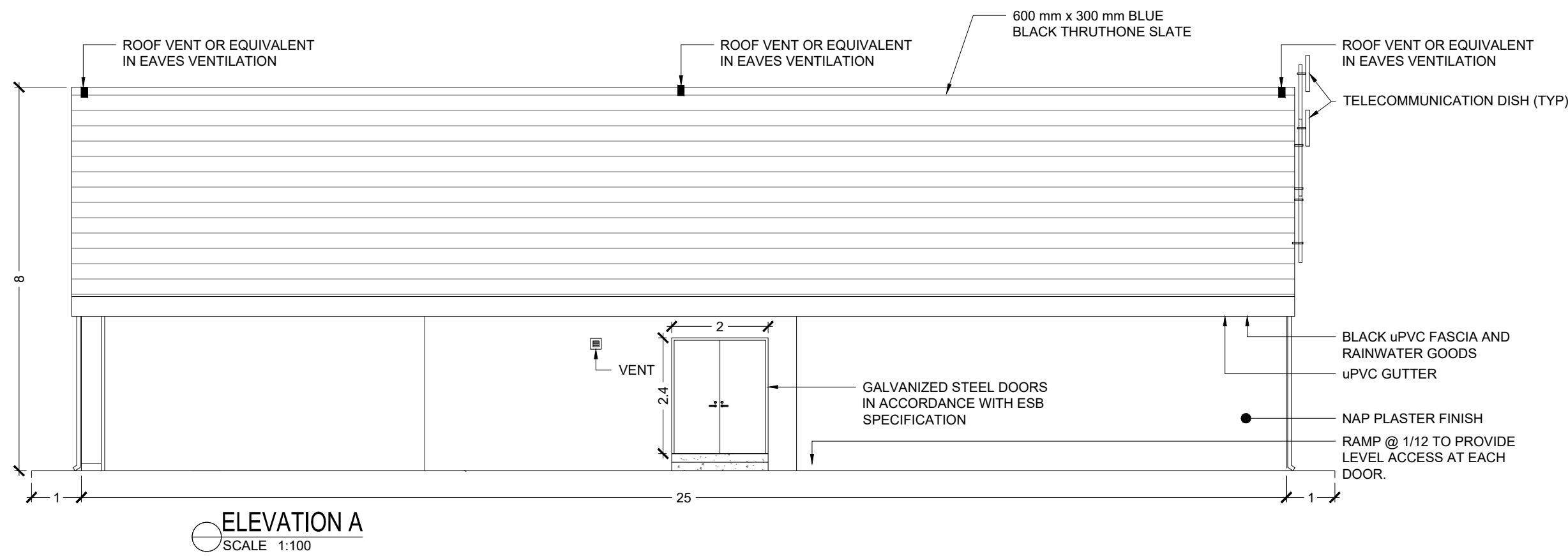


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							DRG. TITLE:	SUBSTATION COMPOUND OPTION 2 - ELEVATIONS 2 OF 2		CHK. BY:	ER	25516	353	P1	
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									DES. BY:	MM	25516	354	P1
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									APP. BY:	BMG			
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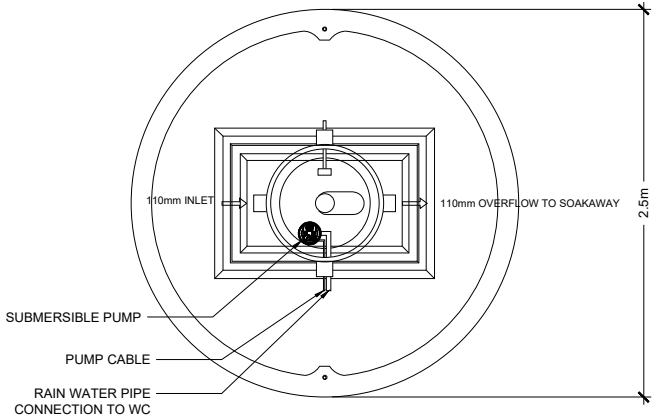
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P2	ER	BMG	20/11/2025	FLOOR AREA REVISED

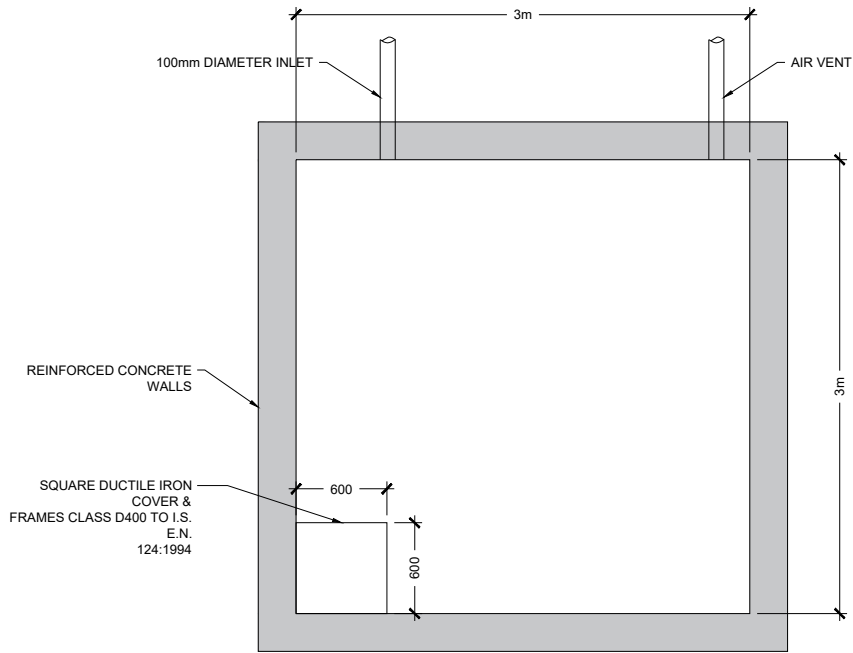
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				CHK. BY:	ER			
DRG. TITLE:	EIRGRID SUBSTATION BUILDING PLAN & ELEVATIONS	APP. BY:	BMG					

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				CHK. BY: ER	25516	401	P2
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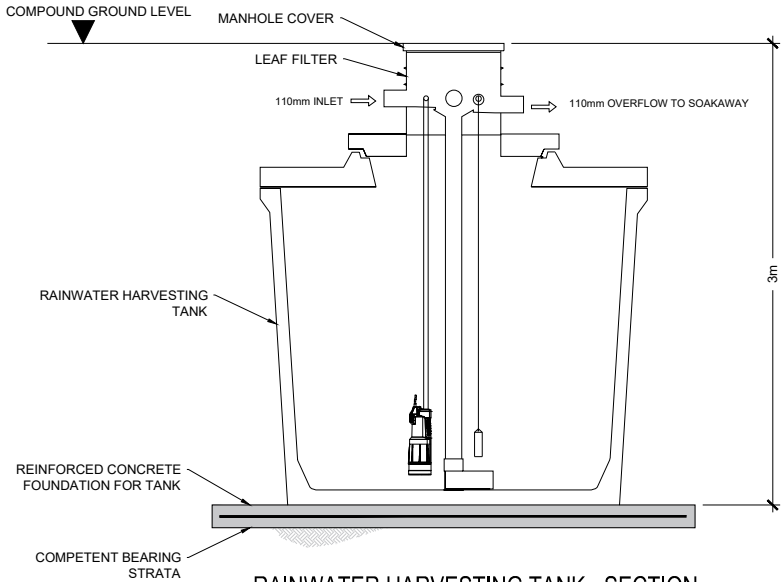
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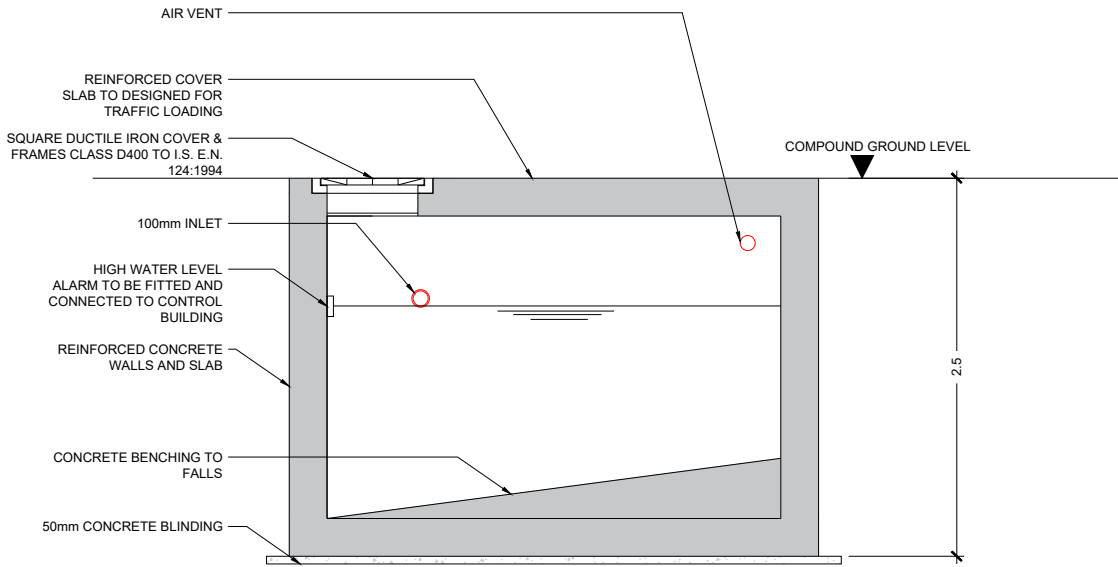
RAINWATER HARVESTING TANK - PLAN VIEW
D1 SCALE 1:50



FOUL HOLDING TANK - PLAN VIEW
D3 SCALE 1:50



RAINWATER HARVESTING TANK - SECTION
D2 SCALE 1:50



FOUL HOLDING TANK - SECTION
D4 SCALE 1:50

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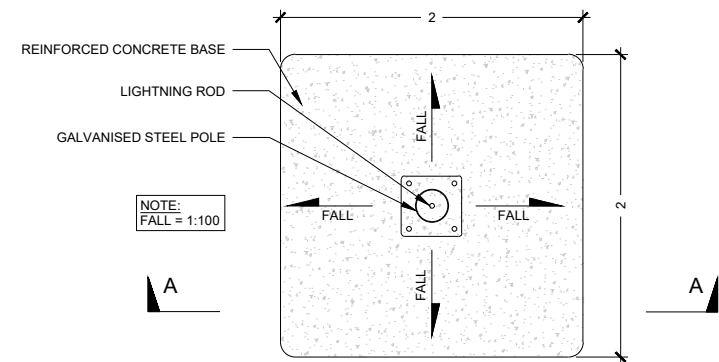
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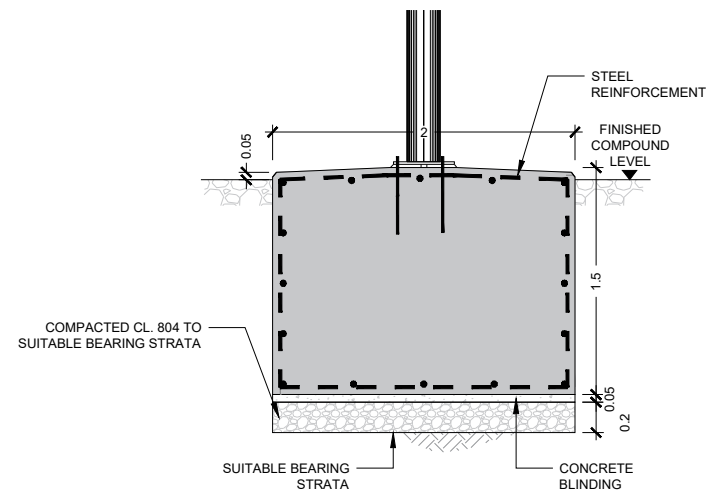
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DRG. TITLE:	RAINWATER HARVESTING AND FOUL TANK DETAILS	DES. BY:	ER	25516	403	P1
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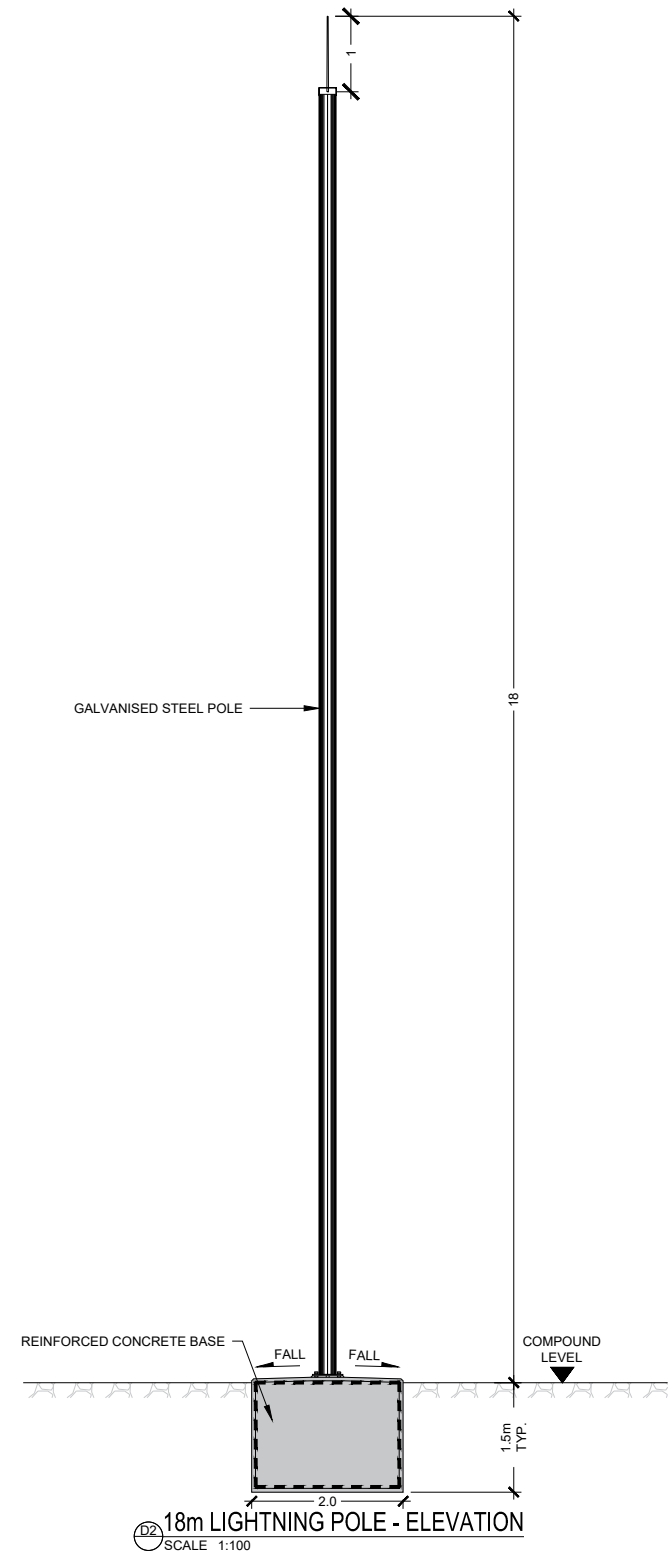
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18m LIGHTNING POLE - PLAN VIEW
SCALE 1:50



SECTION A-A
SCALE 1:50



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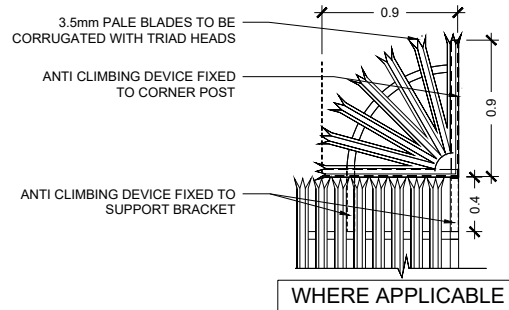
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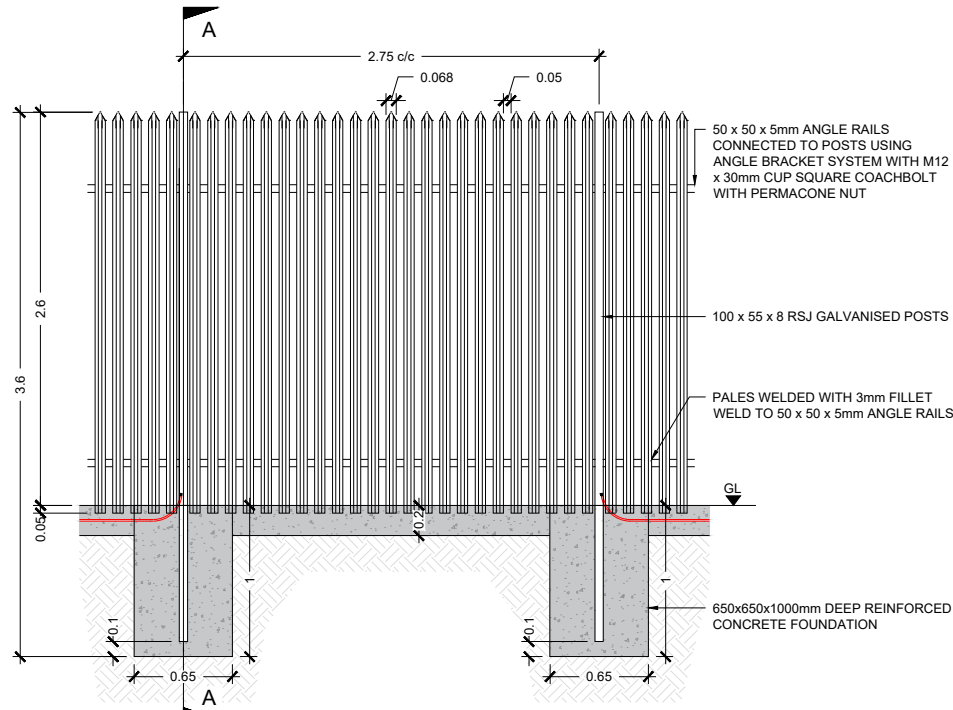
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APPLICANT CLONARROW WINDFARM LIMITED	DRAWN: MM	SCALE: AS SHOWN @ A3		
JOB TITLE: CLONARROW WIND FARM, CO. OFFALY	DATE: 23/06/25	JOB NO.	DRG. NO.	REV.
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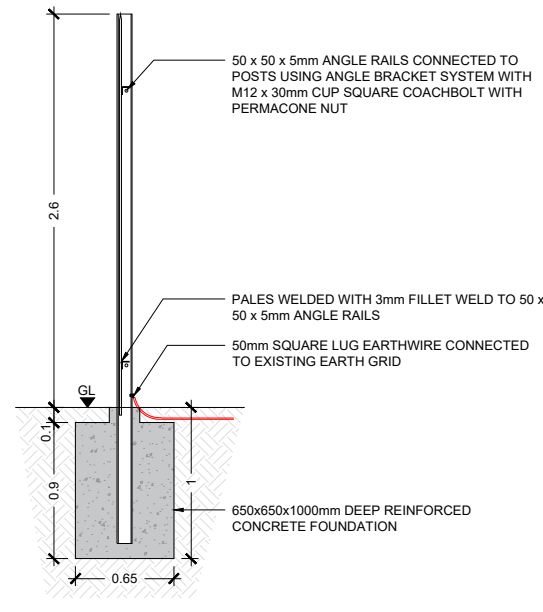
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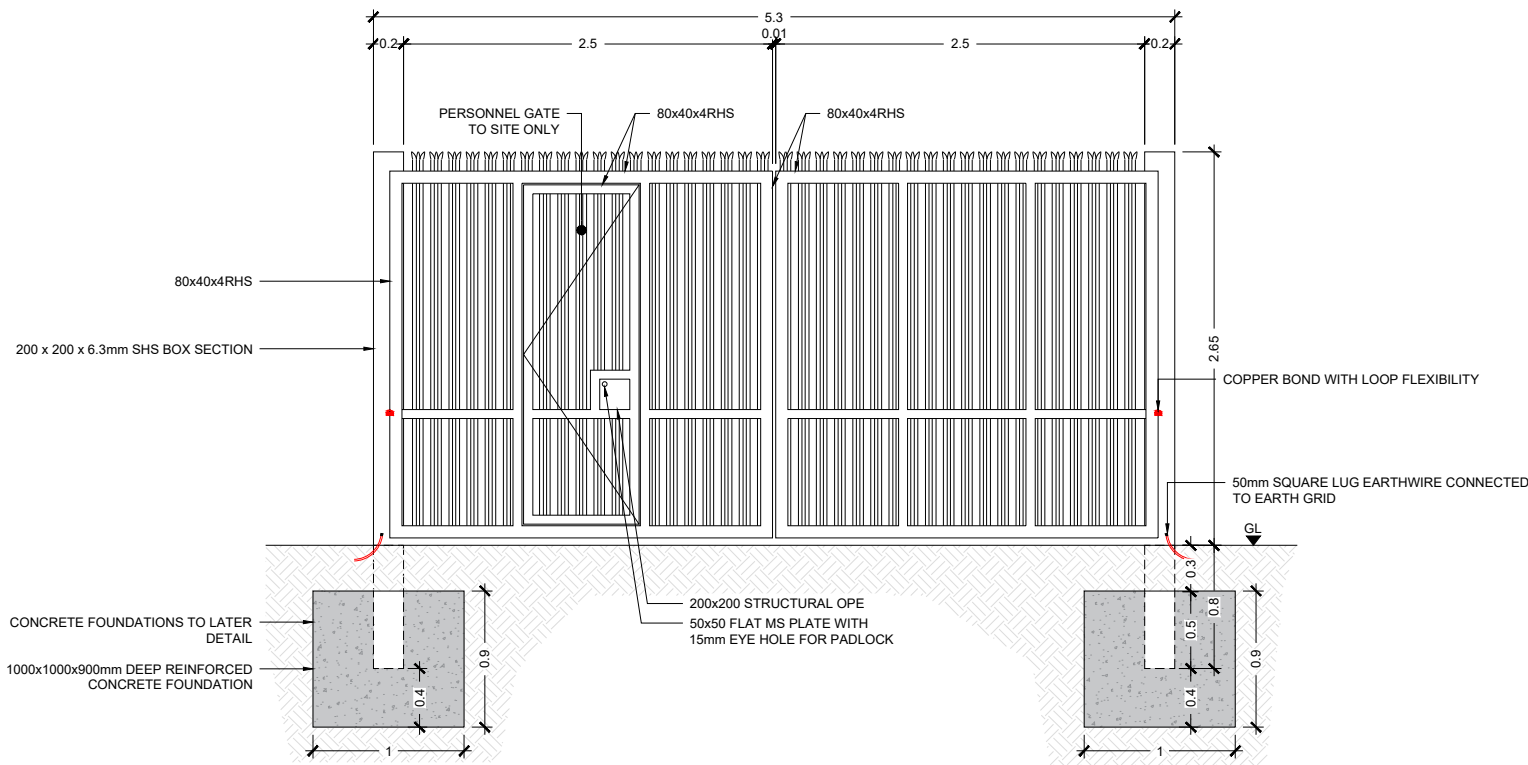
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SCALE 1:50



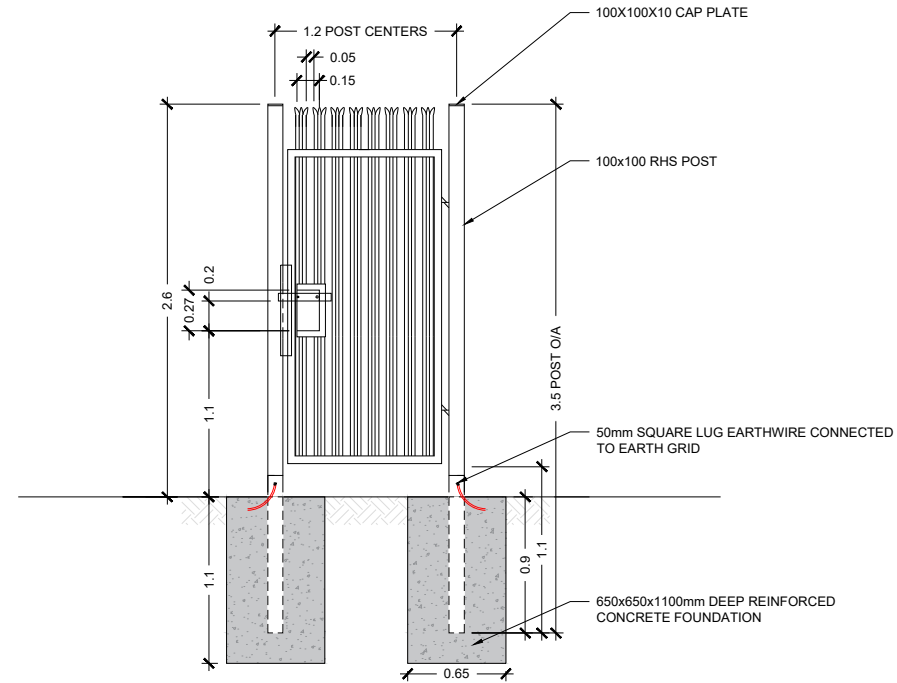
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SCALE 1:50



A SECTION A-A
SCALE 1:50



D3 GATE ELEVATION
SCALE 1:50



D4 SINGLE GATE DETAIL
SCALE 1:50

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P2	VC	BMG	26/11/25	ANNOTATION UPDATED

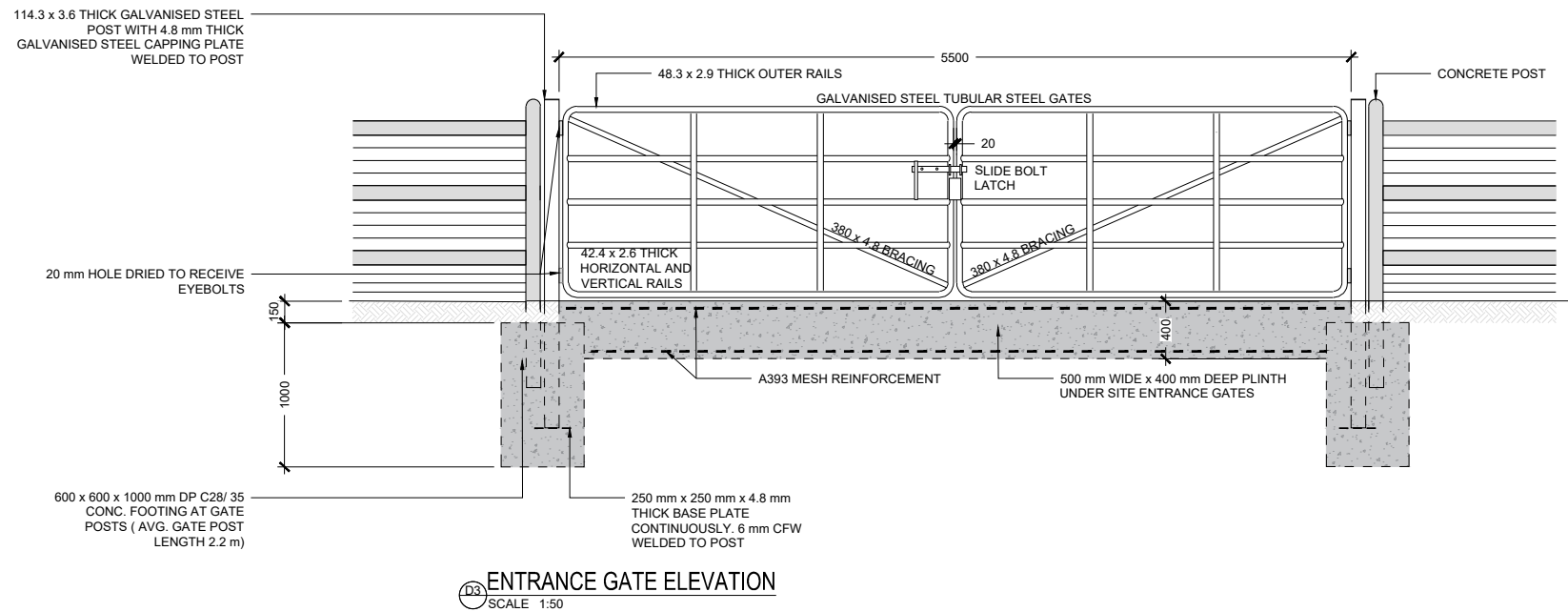
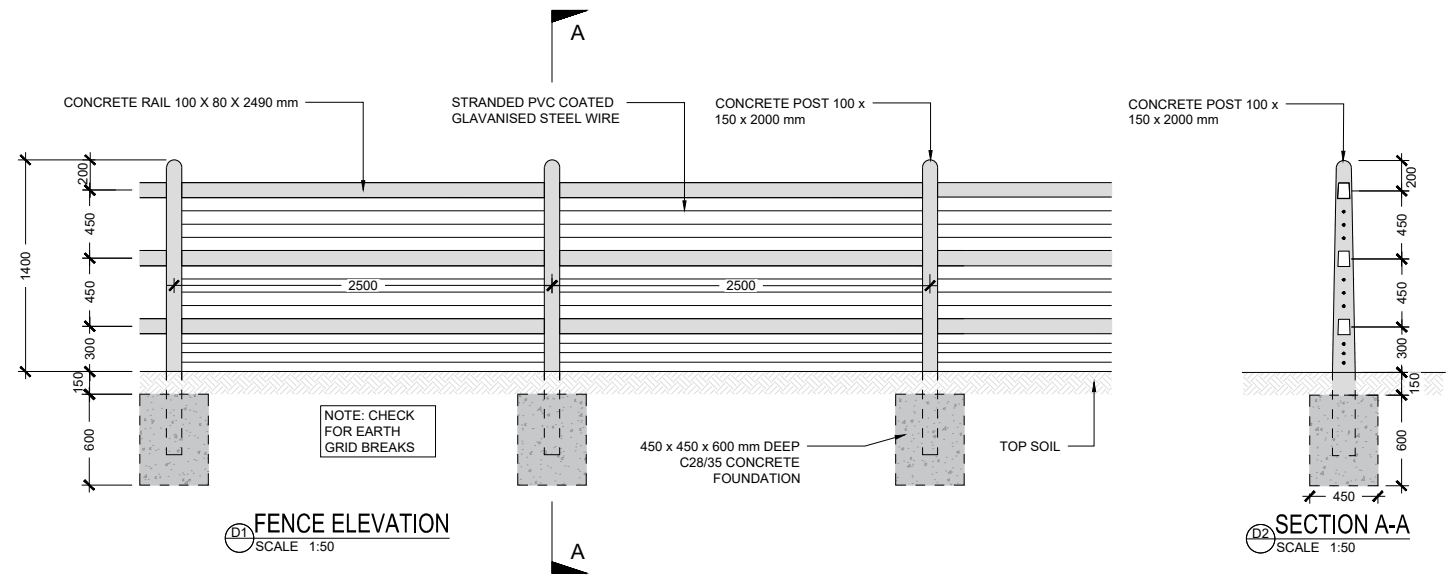
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Email: info@mable.ie
Website: www.mable.ie

CLIENT:	MANOGATE LTD.	DRAWN:	VC	SCALE:	1:50 @ A3
JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO. KILKENNY	DATE:	19/06/25	JOB NO.	25516
DRG. TITLE:	SUBSTATION GATE & FENCE DETAILS	DES. BY:	ER	DRG. NO.	405
		CHK. BY:	ER		
		APP. BY:	BMG		P2

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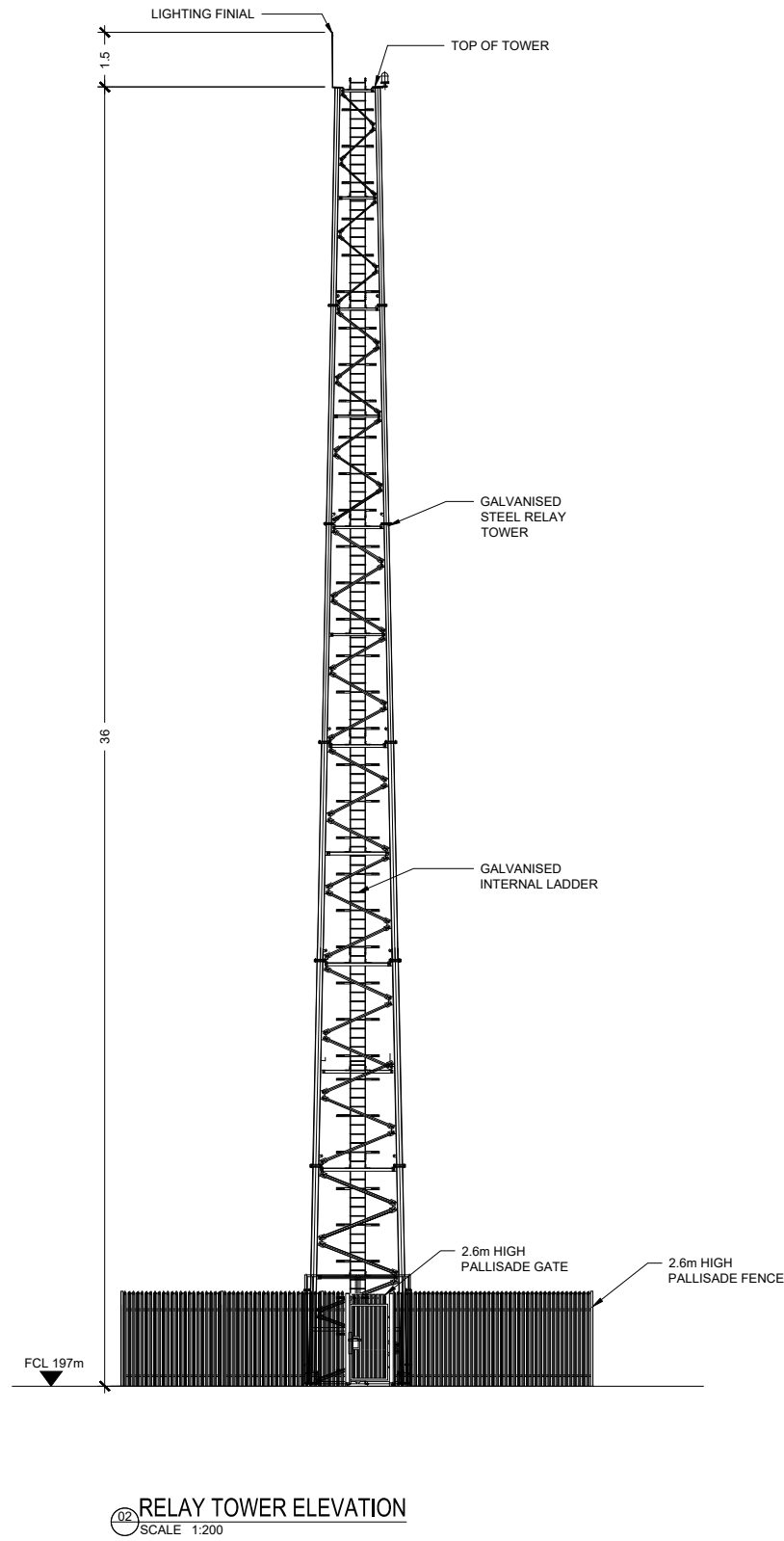
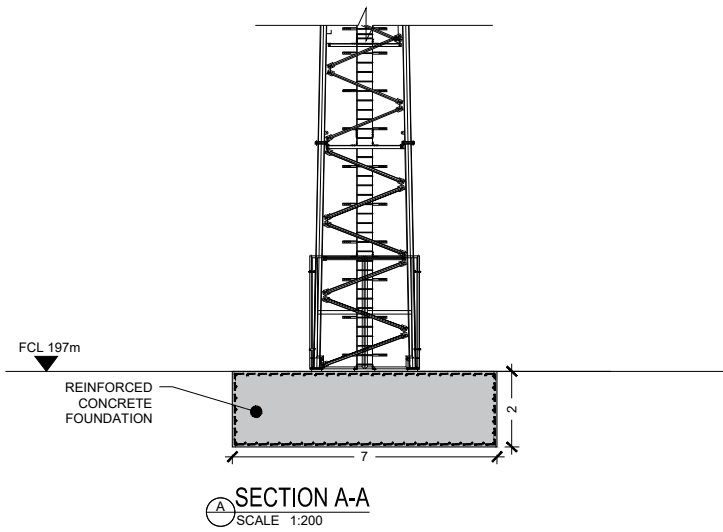
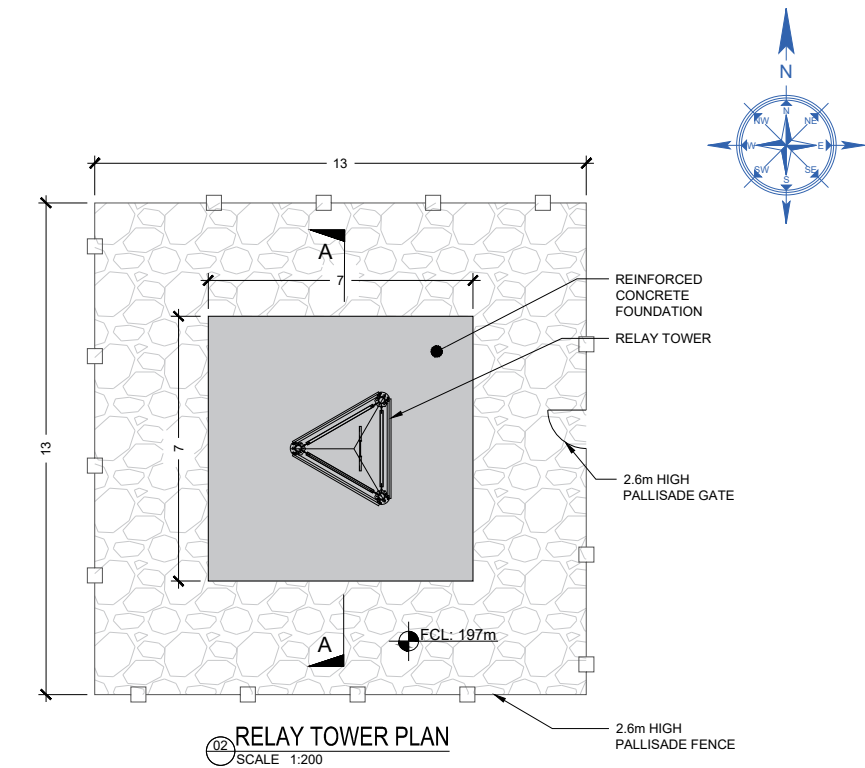
REV.	DWG BY:	APP/CHK:	DATE:	DESCRIPTION
P2	VC	BMG	26/11/25	ANNOTATION UPDATED

PLANNING

Mable
Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

CLIENT:	MANOGATE LTD.	DRAWN:	MM	SCALE:	1:50 @ A3
JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO. KILKENNY	DATE:	25/06/25	JOB NO.	
DRG. TITLE:	PROPERTY BOUNDARY FENCE AND GATE DETAIL	DES. BY:	MM	DRG. NO.	
		CHK. BY:	ER		
		APP. BY:	BMG		
				25516	406
					P2



- NOTES:
1. ALL DIMENSIONS ARE IN METRES AND COORDINATES TO ITM GRID UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE TO (OSI) ORDINANCE MALIN HEAD VERTICAL DATUM IN METRES.
 3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENT.
 4. MAST/FOUNDATION ORIENTATION TO BE CONFIRMED WITH RELAY TOWER SUPPLIER.
 5. EARTHING AND DUCTING REQUIREMENTS TO BE CONFIRMED WITH RELAY TOWER SUPPLIER AND FORWARDED TO FOUNDATION DESIGNER.

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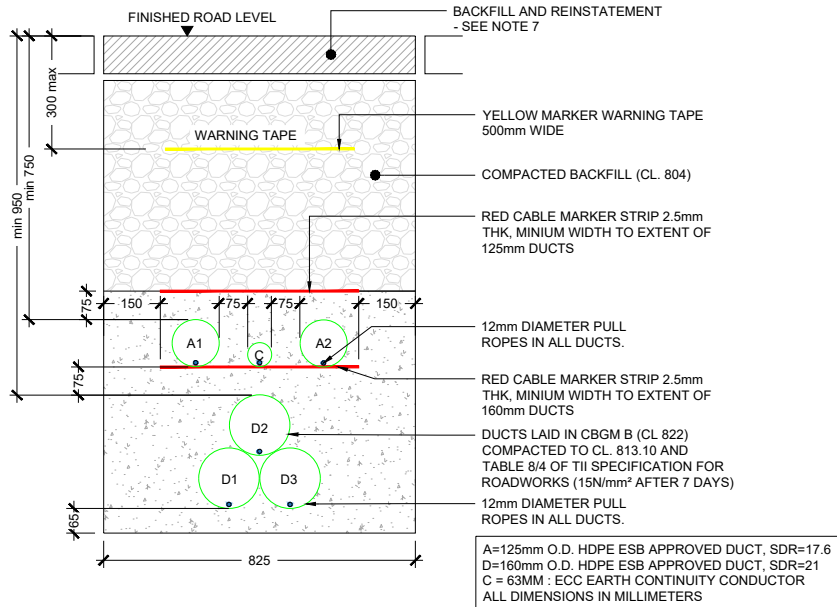
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PLANNING

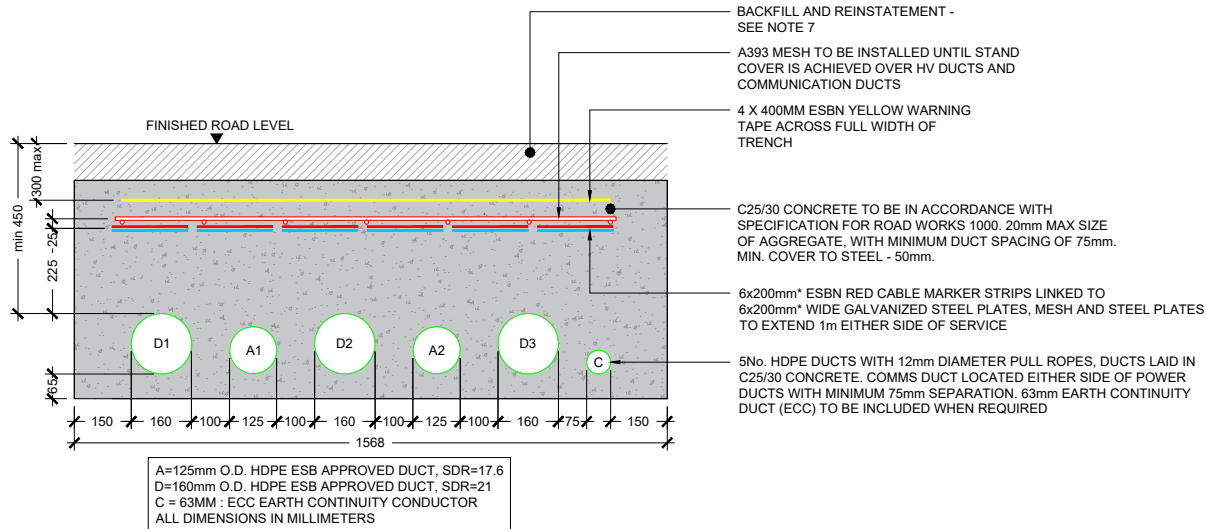
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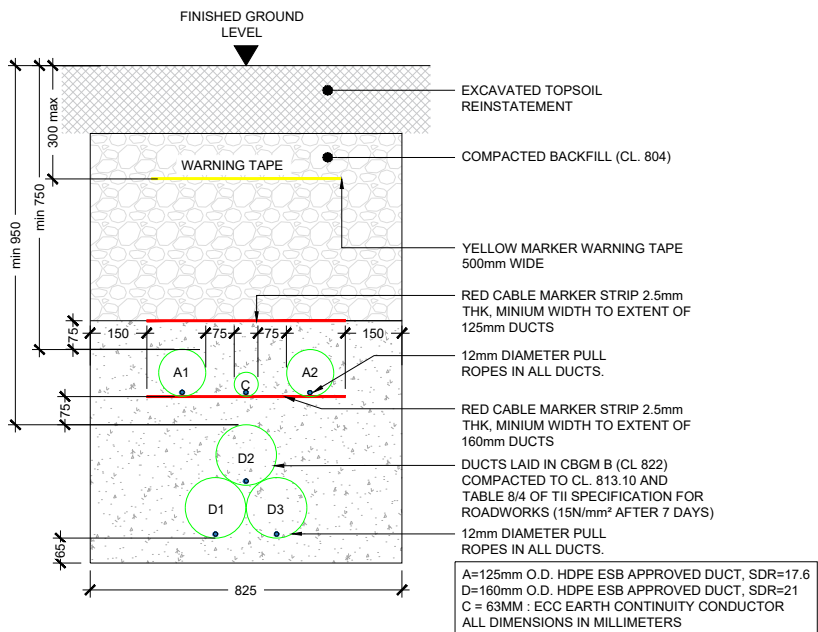
CLIENT:	MANOGATE LTD.	DRAWN:	MM	SCALE:	1:200 @ A3
JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO. KILKENNY	DATE:	1/08/25	JOB NO.	25516
DRG. TITLE:	RELAY TOWER DETAILS	DES. BY:	ER	DRG. NO.	407
		CHK. BY:	ER		P1
		APP. BY:	BMG		



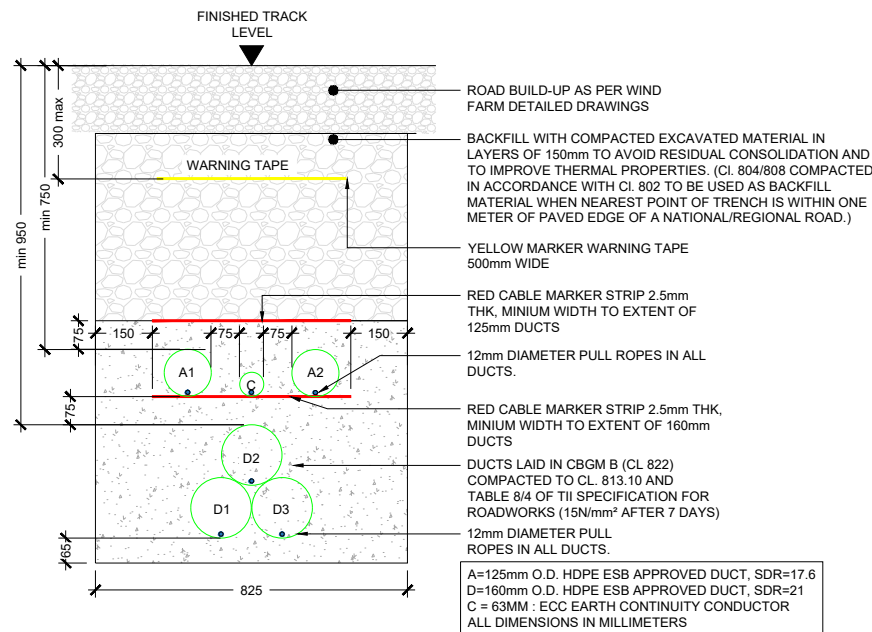
D1 SECTION THROUGH 110kV CABLE - IN TREFOIL FORMATION IN ROADWAY
SCALE 1:20



D2 SECTION THROUGH DUCTING IN FLAT FORMATION
SCALE 1:20



D3 SECTION THROUGH 110kV CABLE - IN TREFOIL FORMATION IN SOFT LANDSCAPED AREA
SCALE 1:20



D4 SECTION THROUGH 110kV CABLE - IN TREFOIL FORMATION IN WIND FARM ACCESS TRACK
SCALE 1:20

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
 2. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE.
 3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
 4. DESIGN IS SUBJECT TO EIRGRID DESIGN APPROVAL
 5. NO EXCAVATION SHALL COMMENCE UNTIL THE CONTRACTOR HAS CONSULTED UP TO DATE SERVICES DRAWINGS AND CARRIED OUT AN ELECTROMAGNETIC LOCATOR (EML) SCAN.
 6. HAND DIG ONLY WITHIN 500mm OF EXISTING SERVICES.
 7. BACKFILL AS PER GUIDELINES FOR THE OPENING, BACKFILLING AND REINSTATEMENT OF OPENINGS IN PUBLIC ROADS (2015).

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P2	VC	BMG	26/11/25	ANNOTATION UPDATED

PLANNING	
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CLIENT:	MANOGATE LTD.	DRAWN:	MM	SCALE: 1:20 @ A3		
JOB TITLE:	BALLYFASY WF 110kV GRID CONNECTION, CO. KILKENNY	DATE:	04/06/25	JOB NO.	DRG. NO.	REV.
DRG. TITLE:	110kV CABLE TRENCH DETAILS	DES. BY:	MM	25516	410	P2
		CHK. BY:	ER			
		APP. BY:	BMG			