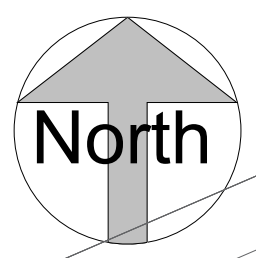
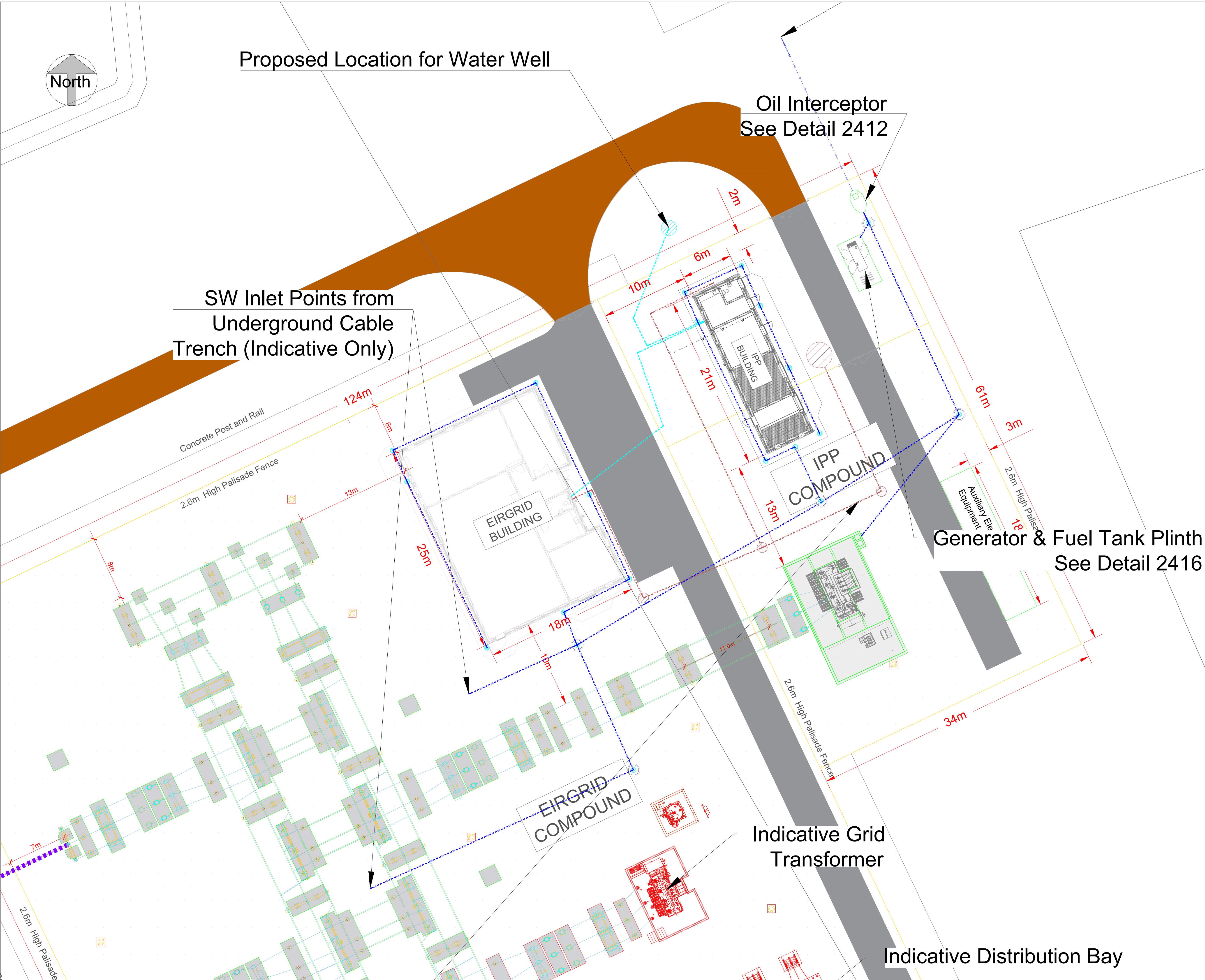


DRAWING REGISTER		
Project Name	Garrane Green Energy Project , Garrane, Co. Limerick.	
	3337-9 (SUIR-Electrical)	
Stage :	Planning	Date: Aug 8, 2025
Circulation:		
Client: Garrane Green Energy Ltd.		
Dwg No.	Drawing Title	
Series	Site Location	
3337-SUIR-SS-DR-C-2005	Drainage System Layout	
3337-SUIR-SS-ZZ-DR-PL-C-2006	Substation Elevations	
3337-SUIR-SS-ZZ-DR-PL-C-2007	Substation Elevations	
3337-SUIR-SS-DR-C-2401	Proposed Eirgrid Building-Plan,Elevations, Section	
3337-SUIR-SS-DR-C-2402	Proposed IPP Building-Plan,Elevations, Section	
3337-SUIR-SS-DR-C-2410	Palisade Fence Typical Details	
3337-SUIR-SS-DR-C-2411	Line Cable Interface Mast (LCIM) Typical Detail	
3337-SUIR-SS-DR-C-2412	Typical Oil Interceptor Tank Details	
3337-SUIR-SS-DR-C-2413	Typical Effluent Tank Details	
3337-SUIR-SS-DR-C-2414	Typical Drainage Details	
3337-SUIR-SS-DR-C-2415	Construction Temporary Compound Layout	
3337-SUIR-SS-DR-C-2416	Generator Bund Detail	
3337-SUIR-GR-DR-C-3000	Standard 110kV Circuit Arrangement Cross Section	
3337-SUIR-GR-DR-C-3003	C2 Chamber typical details	



Proposed Location for Water Well

Oil Interceptor
See Detail 2412

SW Inlet Points from
Underground Cable
Trench (Indicative Only)

Generator & Fuel Tank Plinth
See Detail 2416

Indicative Grid
Transformer

Indicative Distribution Bay

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.

- LEGEND
- GRAVEL/STONE SURFACE
 - COMPOUND STONE ACCESS ROADS
 - CONCRETE ACCESS ROAD
 - GRID CONNECTION ROUTE
 - PROPOSED WATERMAIN NETWORK
 - PROPOSED FOUL SEWER NETWORK
 - PROPOSED SURFACE WATER



Tailte Éireann
Includes National Mapping Reproduced Under Copyright to Tailte Éireann. Licence Number CYAL 50382164

P04	15/04/25	UPDATED AS PER COMMENTS	SK	JB
P03	04/04/25	UPDATED AS PER COMMENTS	SK	JB
P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB
P01	11/11/24	ISSUED FOR INFORMATION	SK	JB
REV	DATE	DESCRIPTION	BY	APP

GARRANE GREEN ENERGY PROJECT

TITLE:
Drainage System Layout

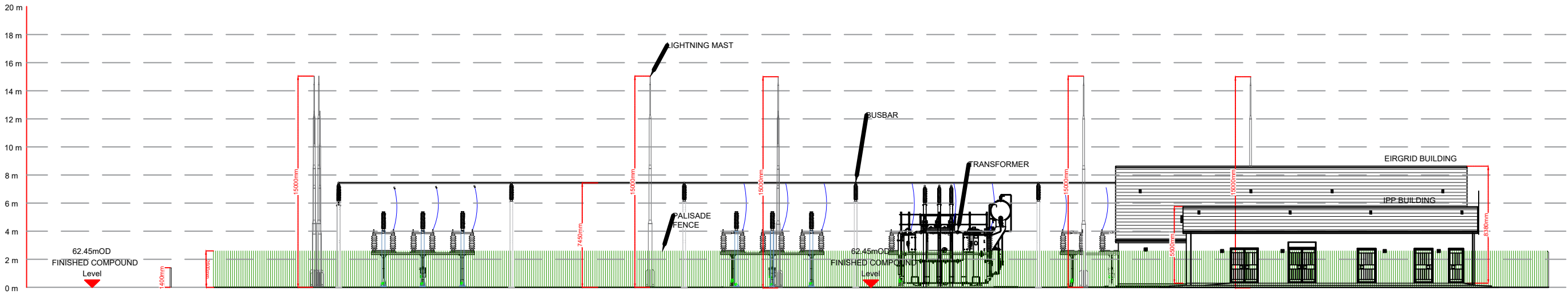
CLIENT:
Garrane Green Energy



DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 15 May 2025	SCALE @ A1: 1:200
STATUS DESCRIPTION	FOR INFORMATION	STATUS: S2
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2005	REV: P04	

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

- 1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
- 2. DRAWINGS ARE NOT TO BE SCALED.
- 3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
- 4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.



Elevation - AA Scale 1:200

P02	13/03/25	ADDITIONAL INFORMATION	SK	JB	
P01	24/10/24	ISSUED FOR PLANNING	SK	JB	
REV	DATE	DESCRIPTION	BY	APP	
CLIENT					
Garrane Green Energy					



WATERFORD OFFICE:
UNIT 9A CLEABOY BUSINESS PARK,
OLD KILMEADEN ROAD, WATERFORD ,X91 PX92 IRELAND,
TELE: +353 (0) 51 359 500

DUBLIN OFFICE:
UNIT 12 ORCHARD BUSINESS PARK, ORCHARD AVENUE,
CITY WEST BUSINESS CAMPUS , DUBLIN 24 ,D24 HA26,
IRELAND
TELE: +353 (0) 14691850

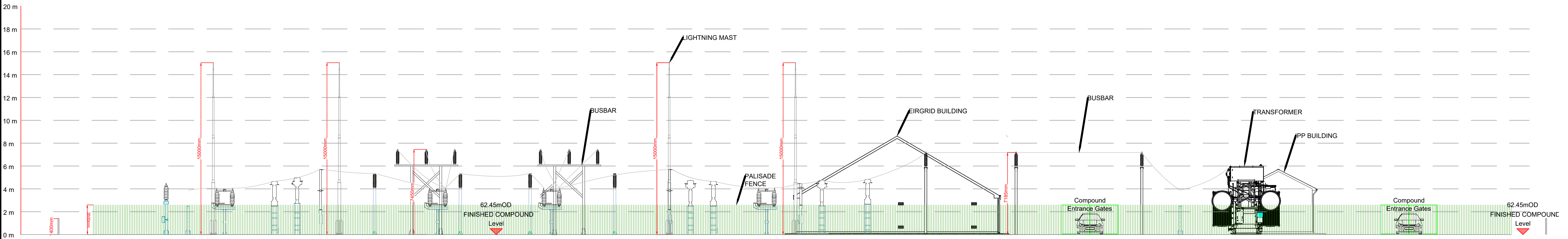
LONDON OFFICE:
33-35 WOODTHROPE ROAD ASHFORD,
MIDDLESEX , TW15, ENGLAND
TELE: +44 (0) 1784 220 900

PROJECT:	Garrane Green Energy Project
TITLE:	Substation Elevations

DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 13/03/2025	SCALE @ A3: 1:200
STATUS DESCRIPTION FOR PLANNING		STATUS: A
DRAWING NUMBER: 3337 - SUIR -SS-ZZ-DR-PL-2006		REV: P03

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.



Elevation - BB Scale 1:200

P02	13/03/25	ADDITIONAL INFORMATION	SK	JB	
P01	24/10/24	ISSUED FOR PLANNING	SK	JB	
REV	DATE	DESCRIPTION	BY	APP	
CLIENT					
Greensource					



WATERFORD OFFICE:
UNIT 9A CLEABOY BUSINESS PARK,
OLD KILMEADEN ROAD, WATERFORD ,X91 PX92 IRELAND,
TELE: +353 (0) 51 359 500

DUBLIN OFFICE:
UNIT 12 ORCHARD BUSINESS PARK, ORCHARD AVENUE,
CITY WEST BUSINESS CAMPUS , DUBLIN 24 ,D24 HA26,
IRELAND
TELE: +353 (0) 14691850

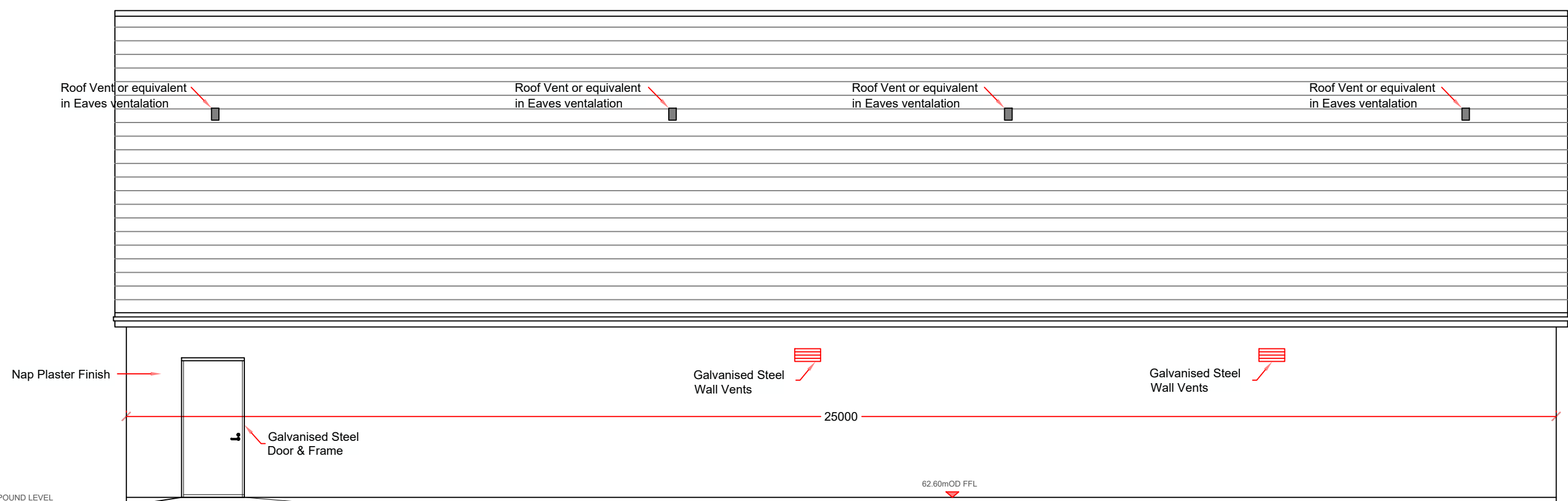
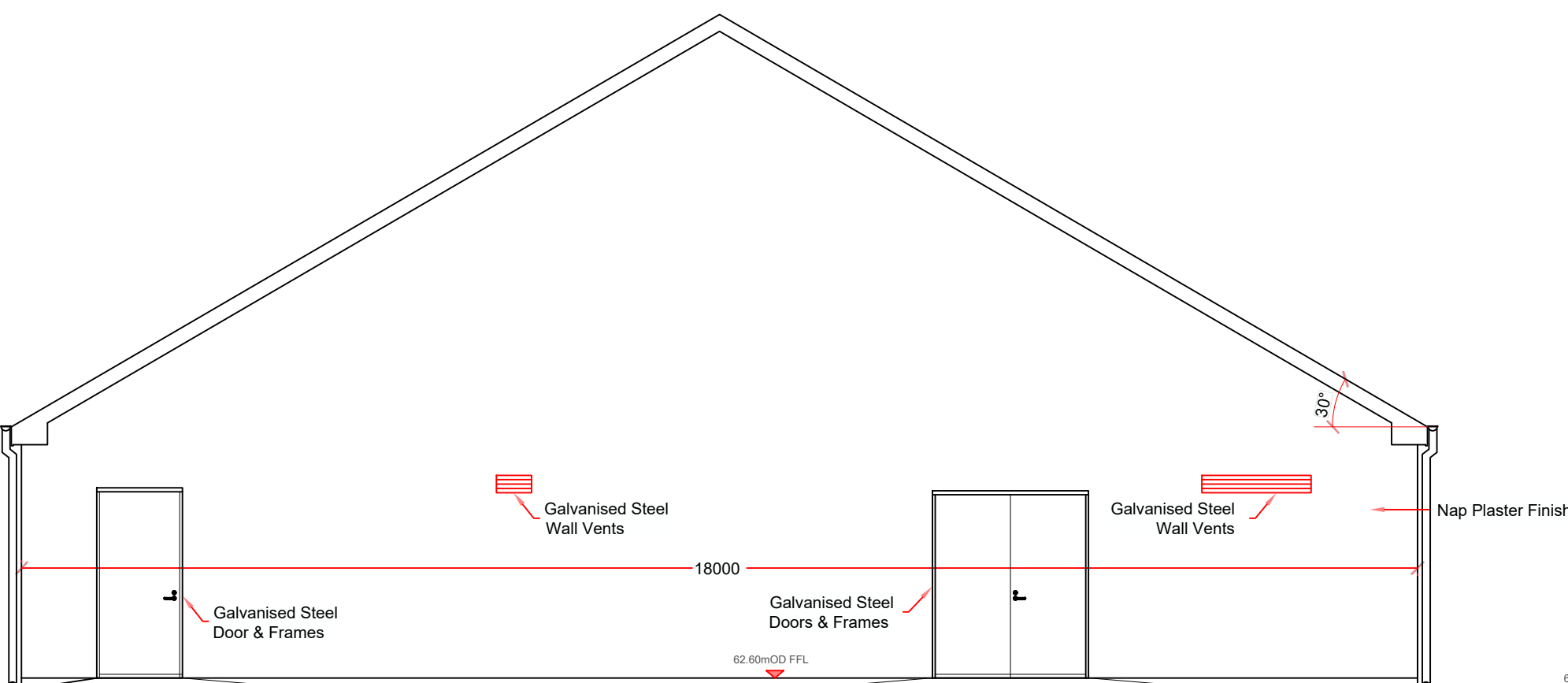
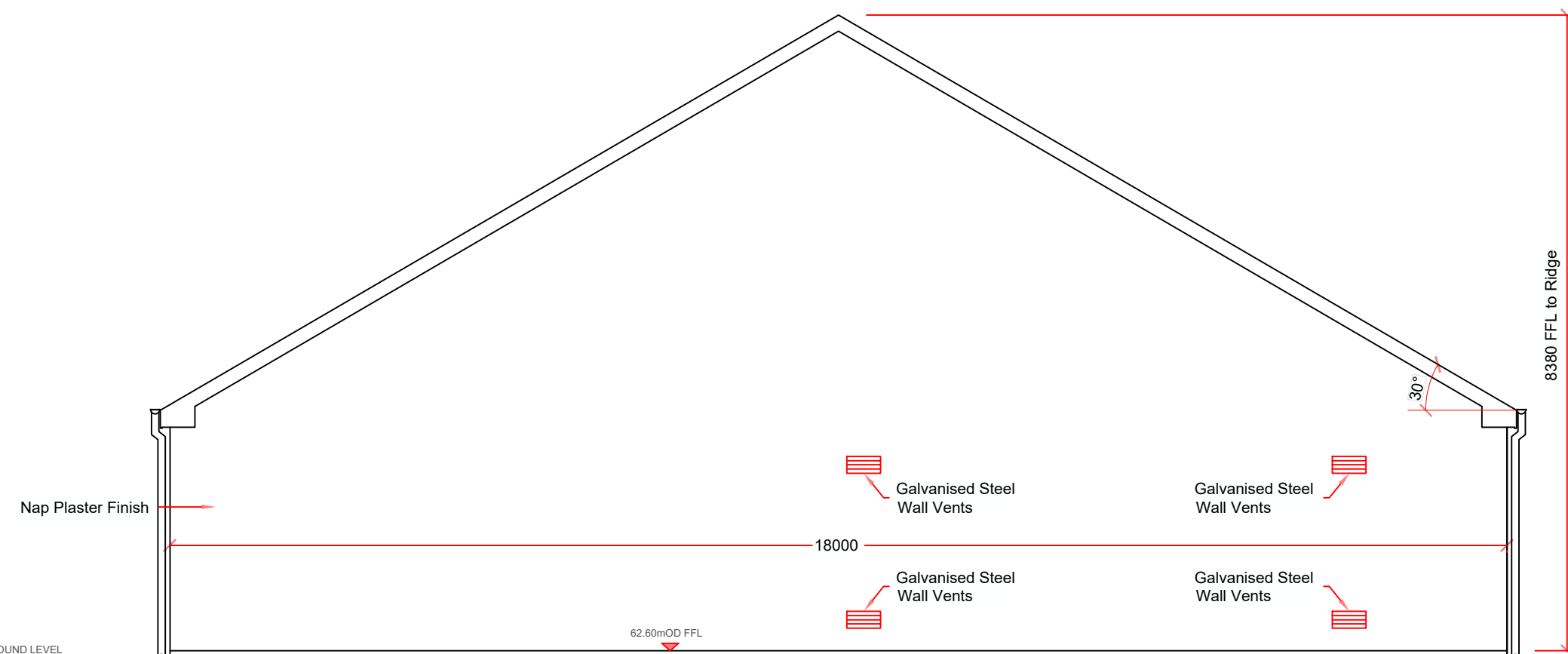
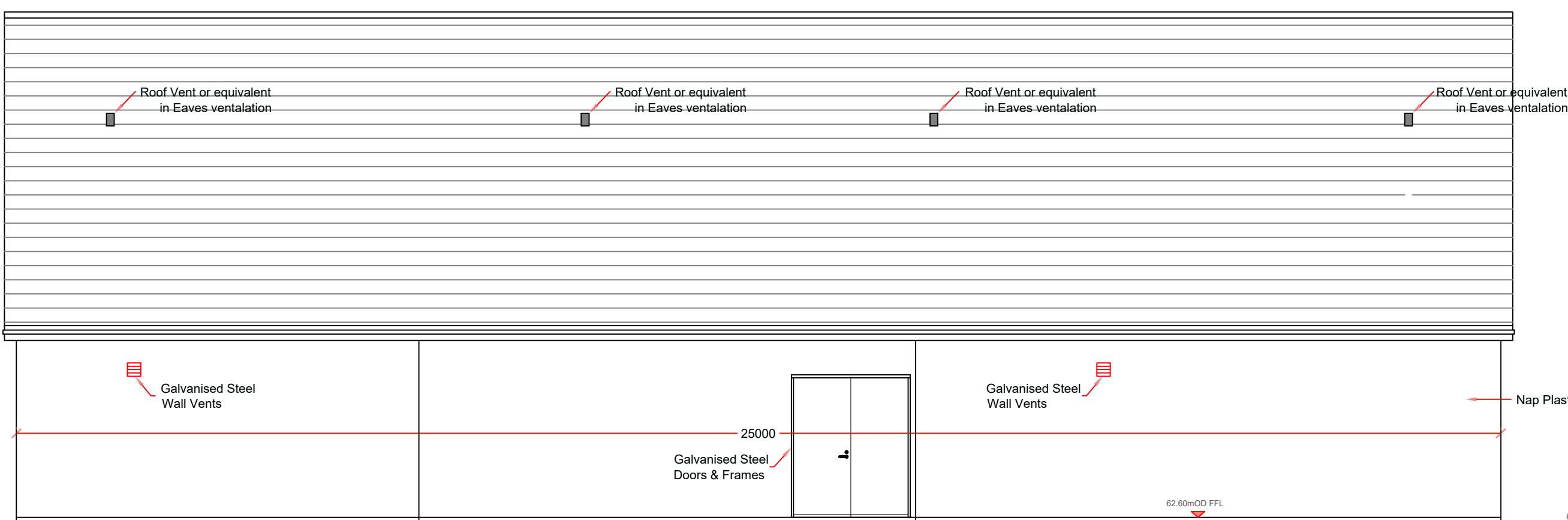
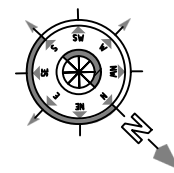
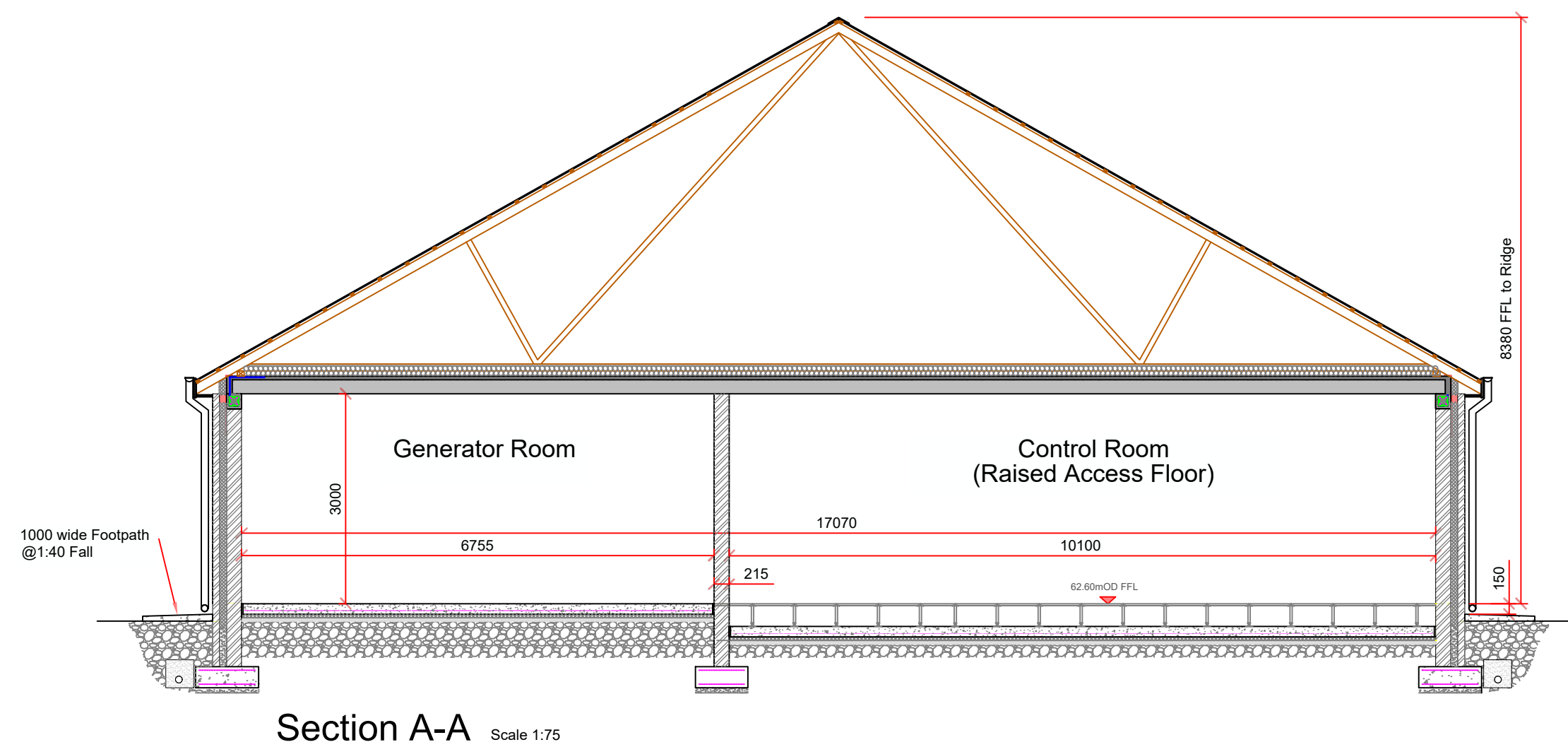
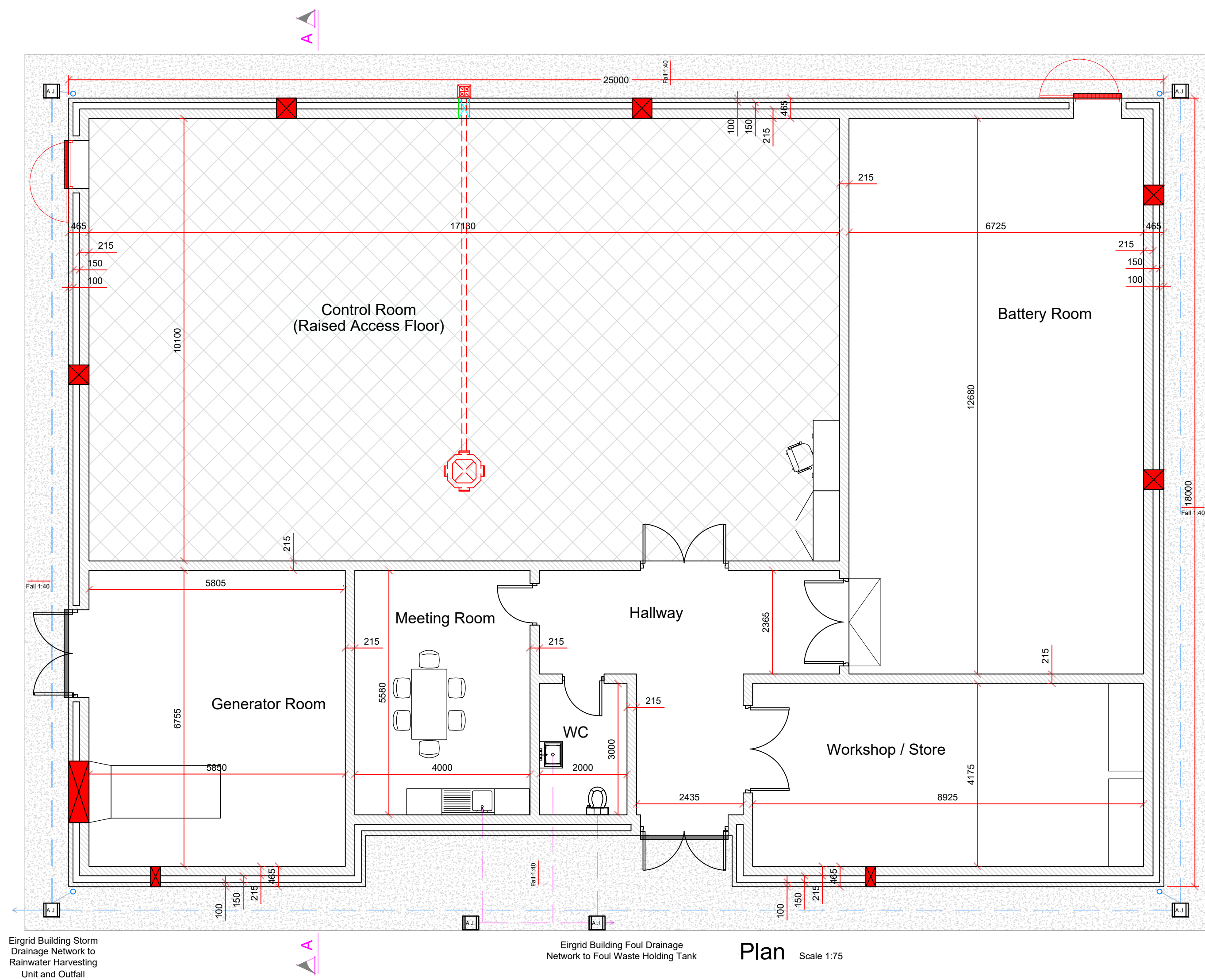
LONDON OFFICE:
33-35 WOODTHROPE ROAD ASHFORD,
MIDDLESEX , TW15, ENGLAND
TELE: +44 (0) 1784 220 900

PROJECT:	Garrane Green Energy Project
TITLE:	Substation Elevations

DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 13/03/2025	SCALE @ A1 1:200
STATUS DESCRIPTION FOR PLANNING		STATUS: A
DRAWING NUMBER: 3337 - SUIR -SS-ZZ-DR-PL-2007		REV: P02

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE
DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS
SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE
DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.



P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB	
P01	26/04/24	ISSUED FOR INFORMATION	SK	JB	
REV	DATE	DESCRIPTION	BY	APP	

GARRANE GREEN ENERGY PROJECT

TITLE:
Proposed Eirgrid Building - Plan, Elevations,
Section

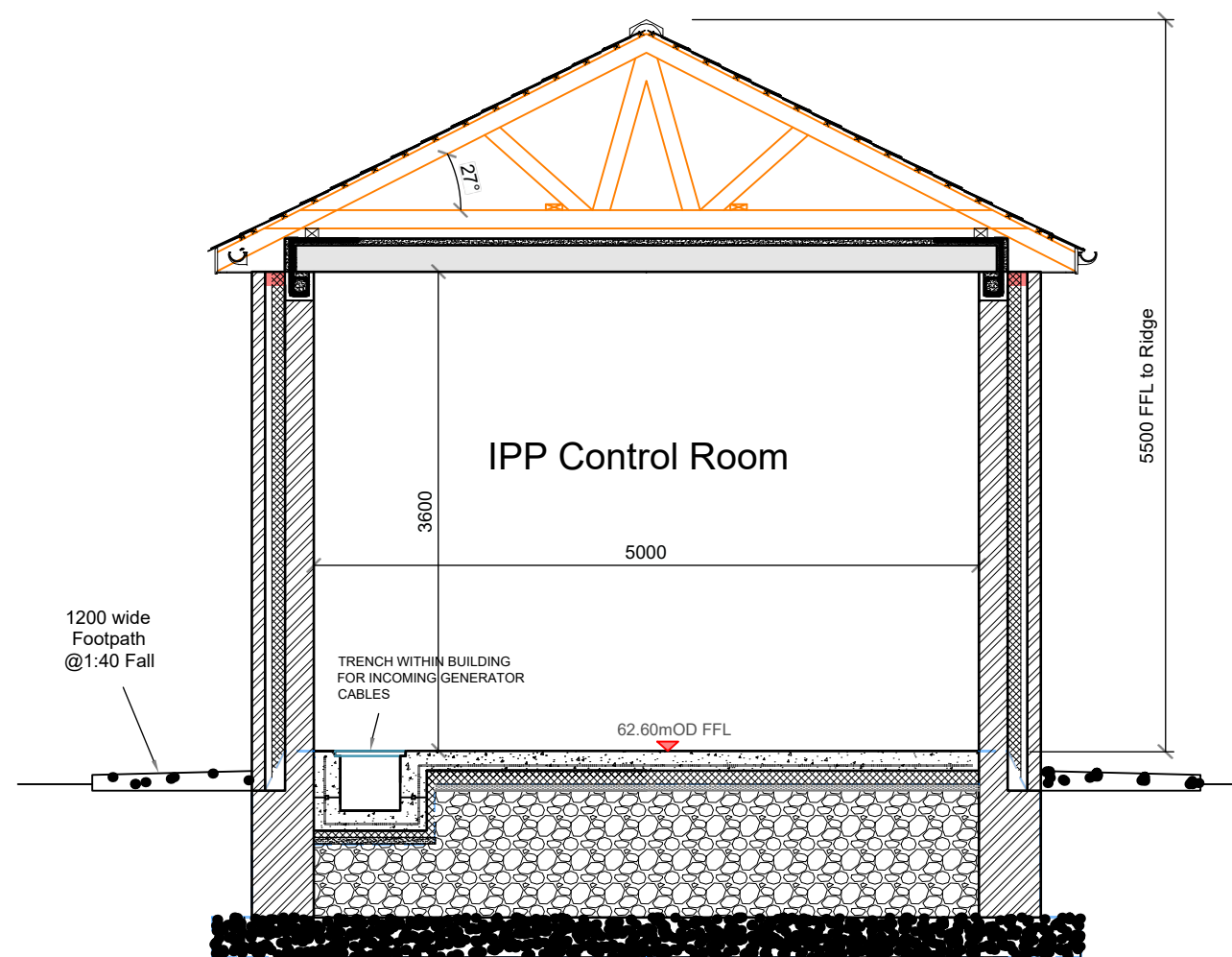
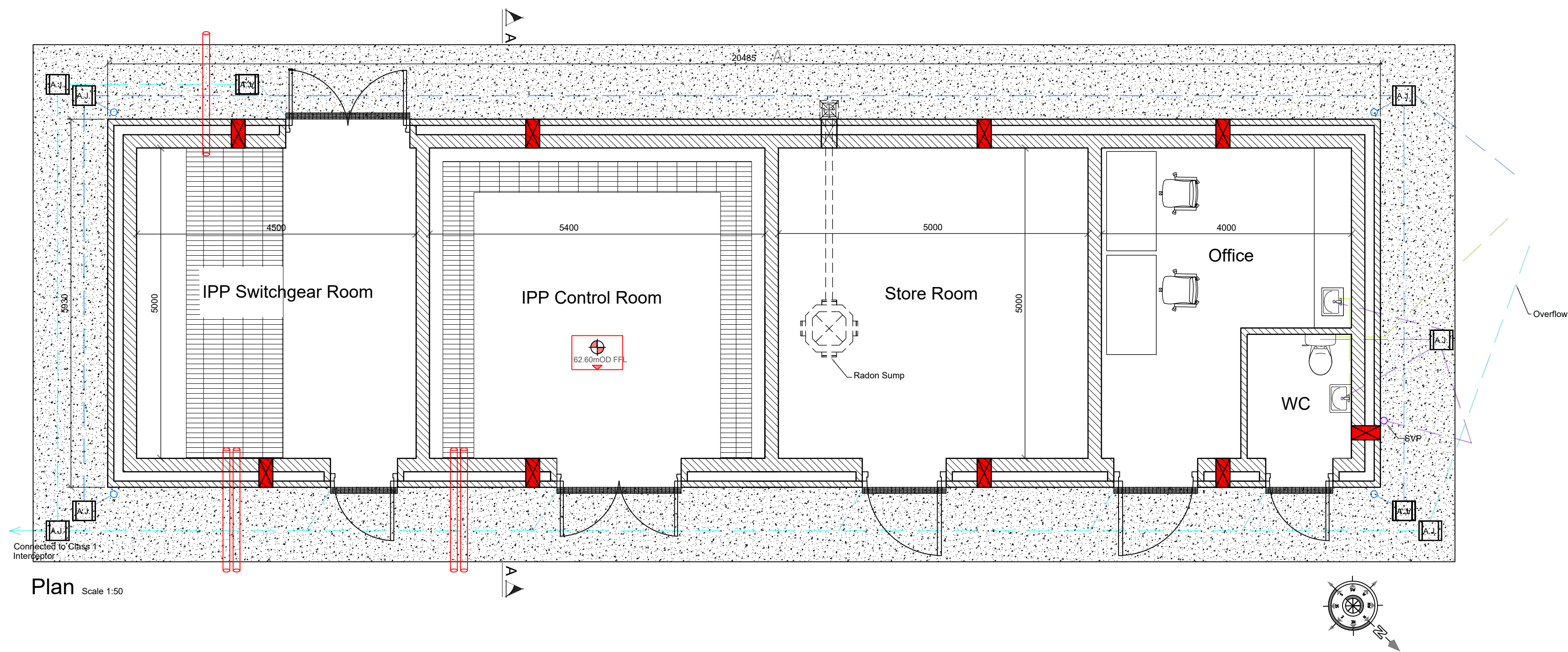
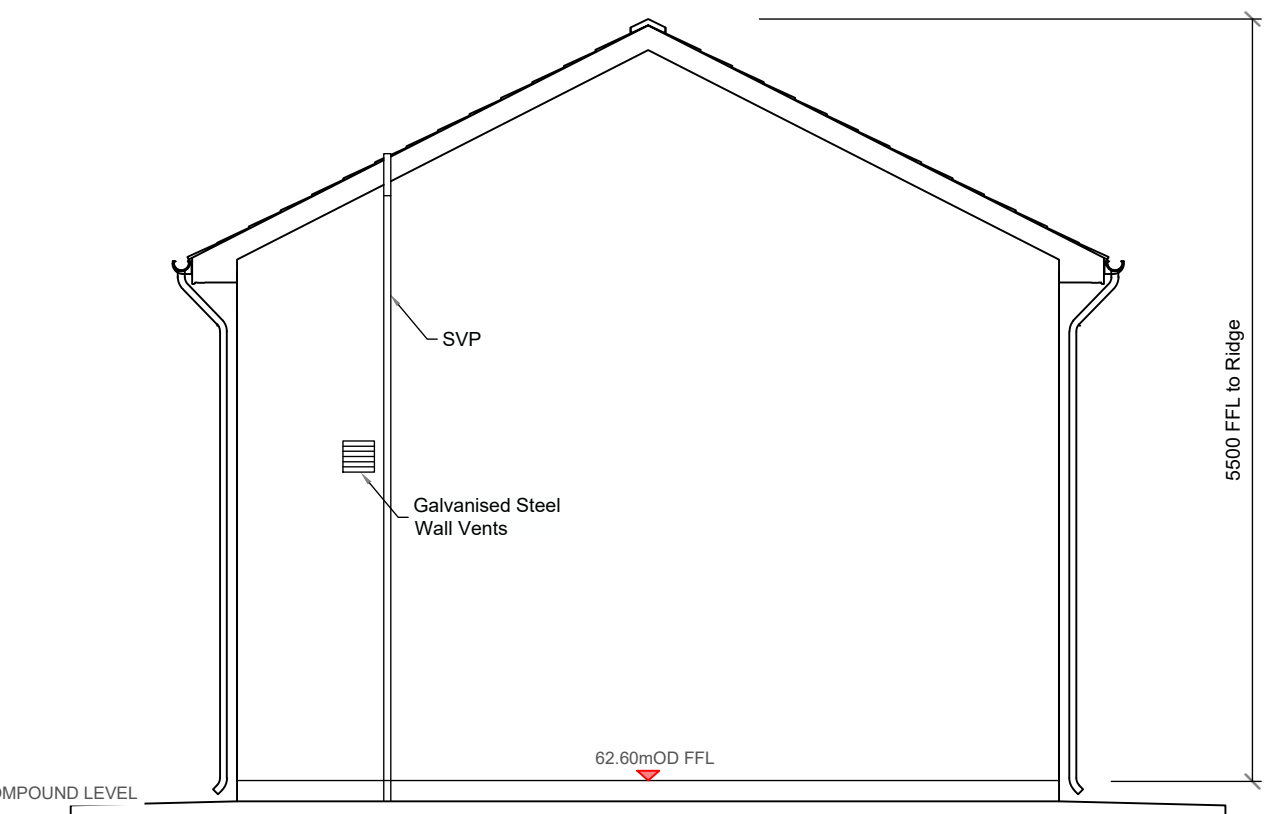
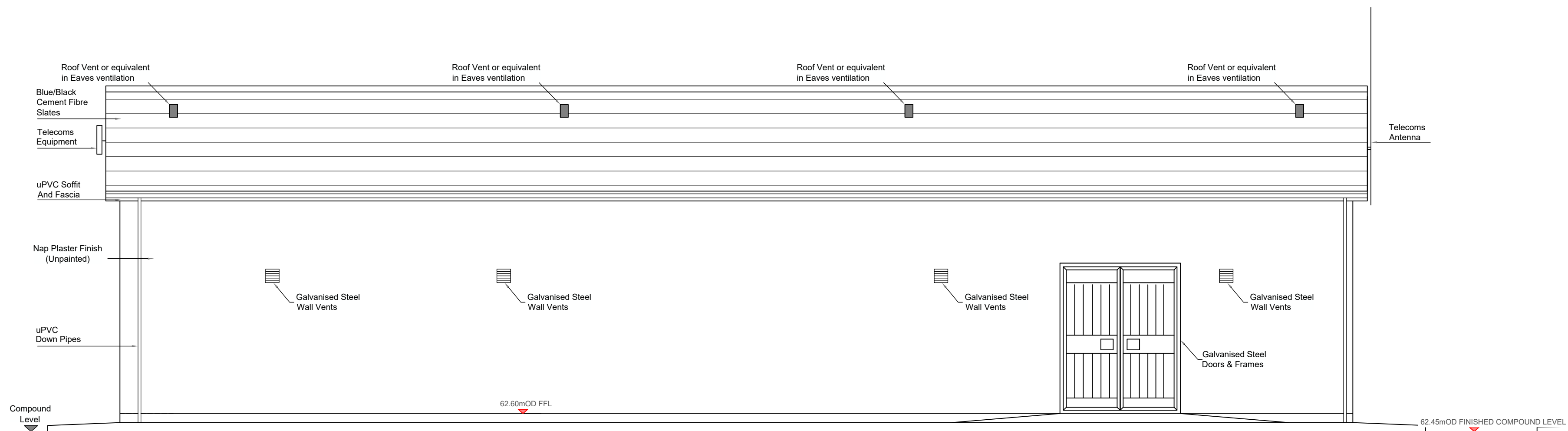
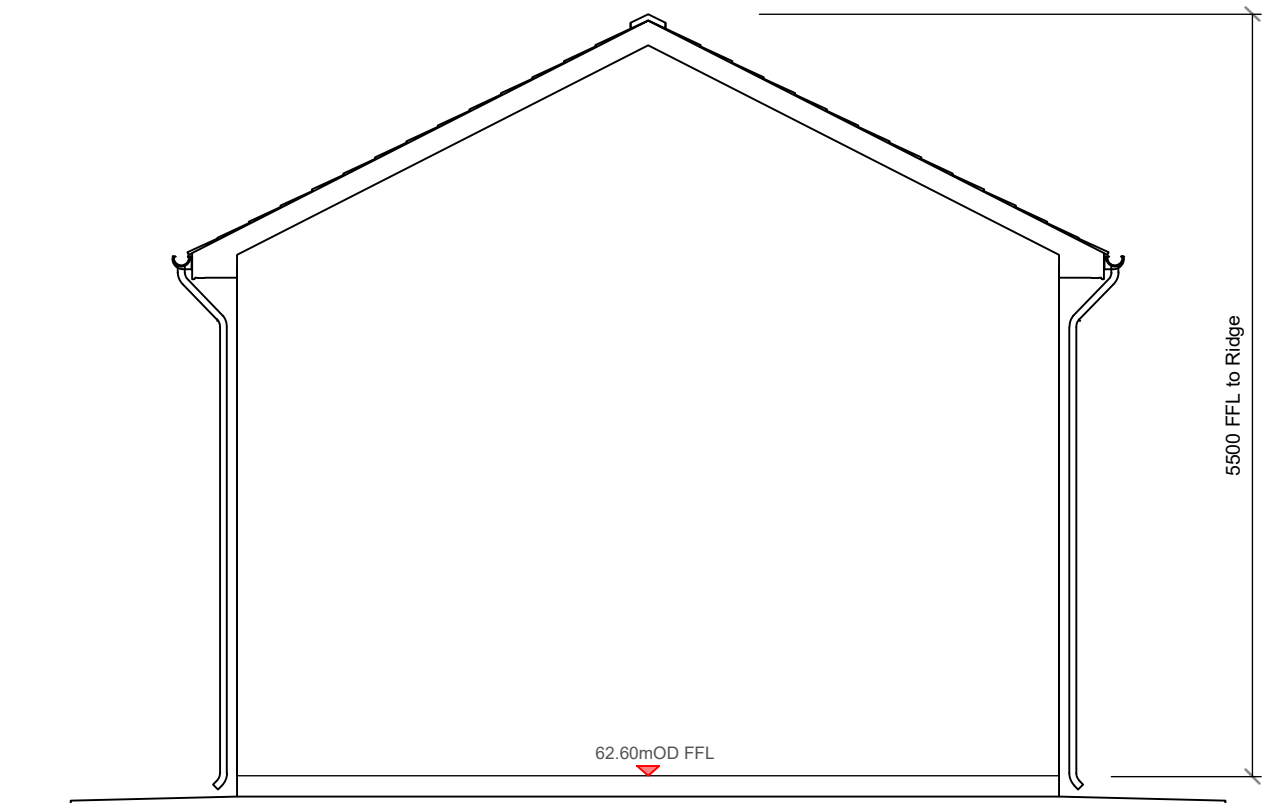
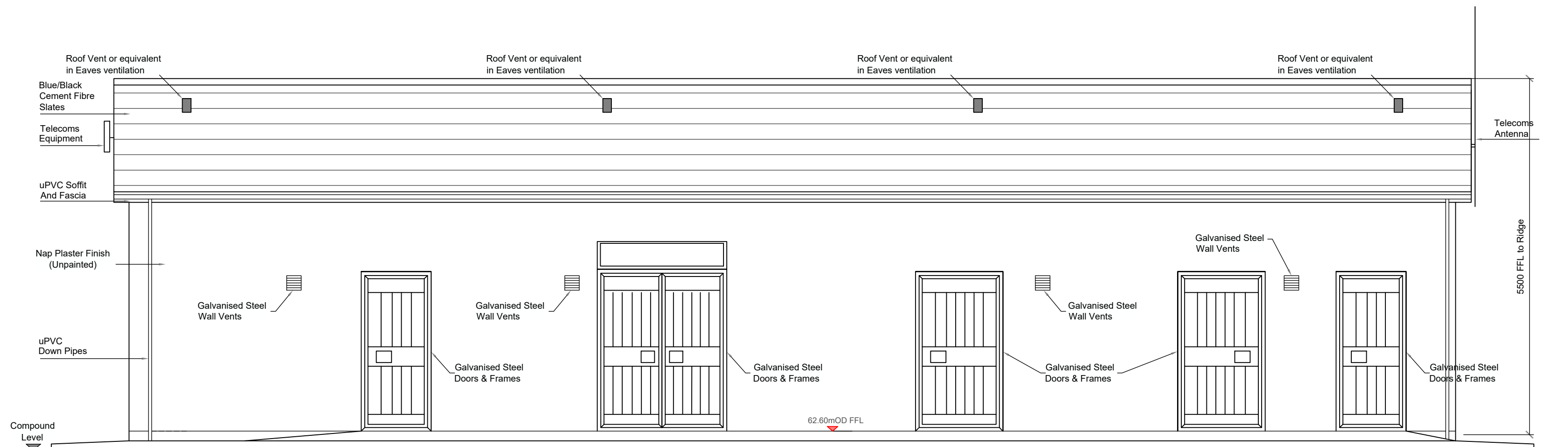
CLIENT:
Garrane Green Energy



DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 16 Jan 2025	SCALE @ A1: As Shown
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2401		REV: P02

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.



REV	DATE	DESCRIPTION	BY	APP
P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB
P01	28/04/24	ISSUED FOR INFORMATION	SK	JB

PROJECT: GARRANE GREEN ENERGY PROJECT

TITLE: Proposed IPP Building - Plan, Elevations, Section

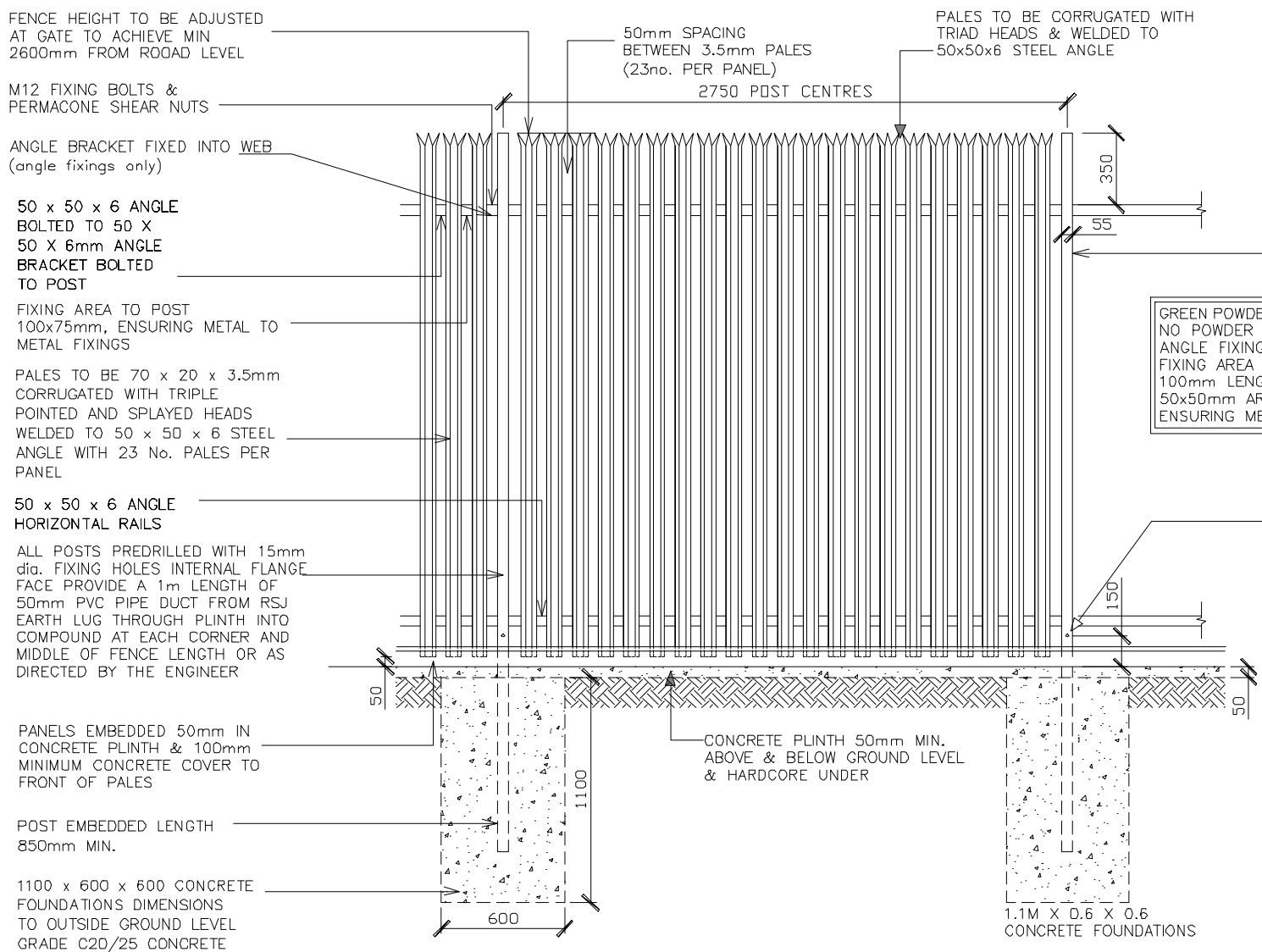
CLIENT: Garrane Green Energy



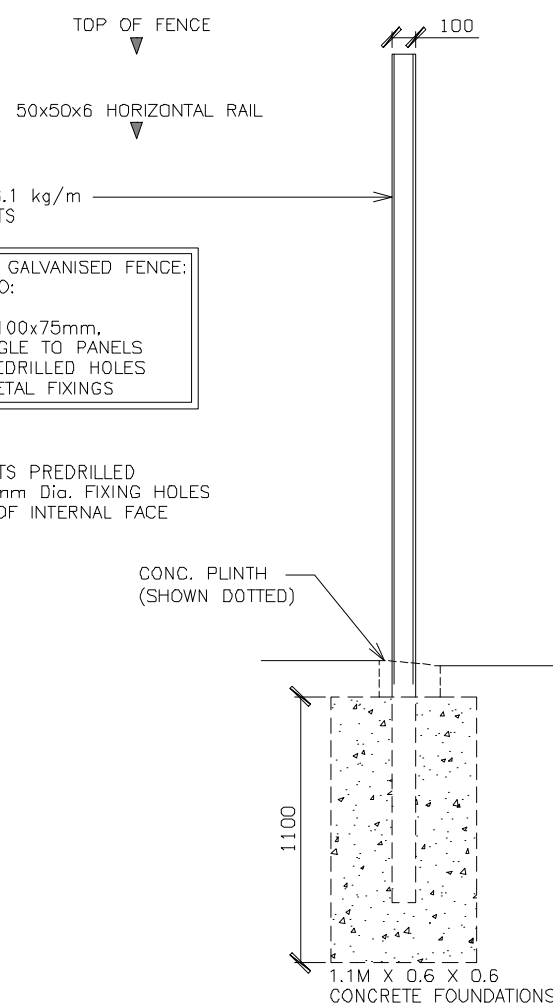
DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 16 Jan 2025	SCALE @ A1: As Shown
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2402		REV: P02

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

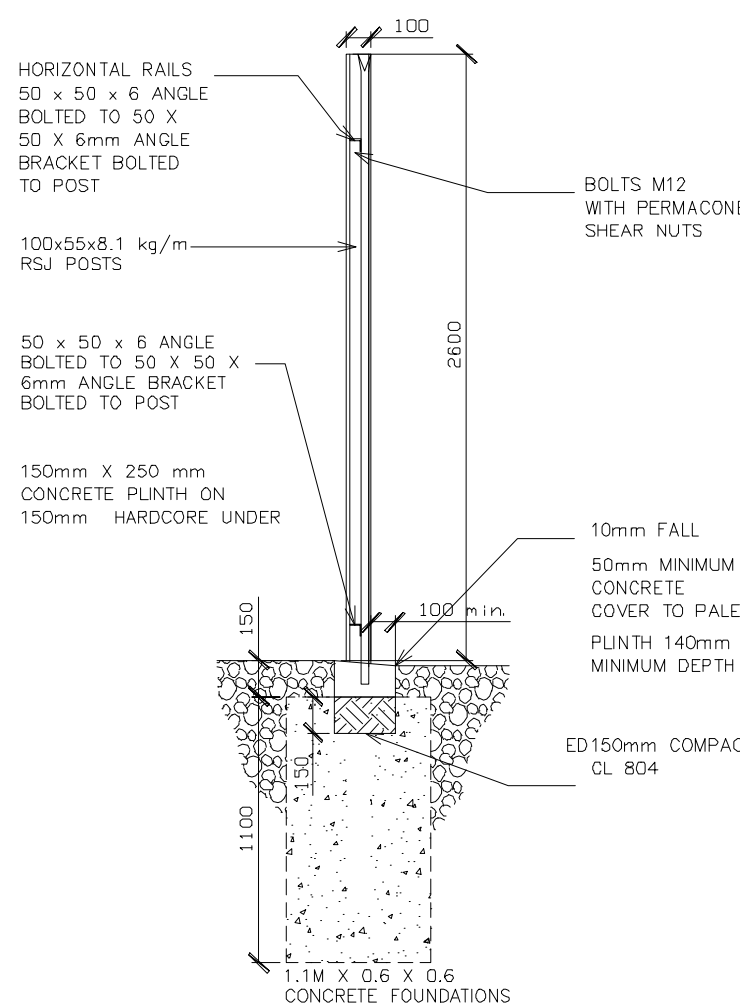
1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.



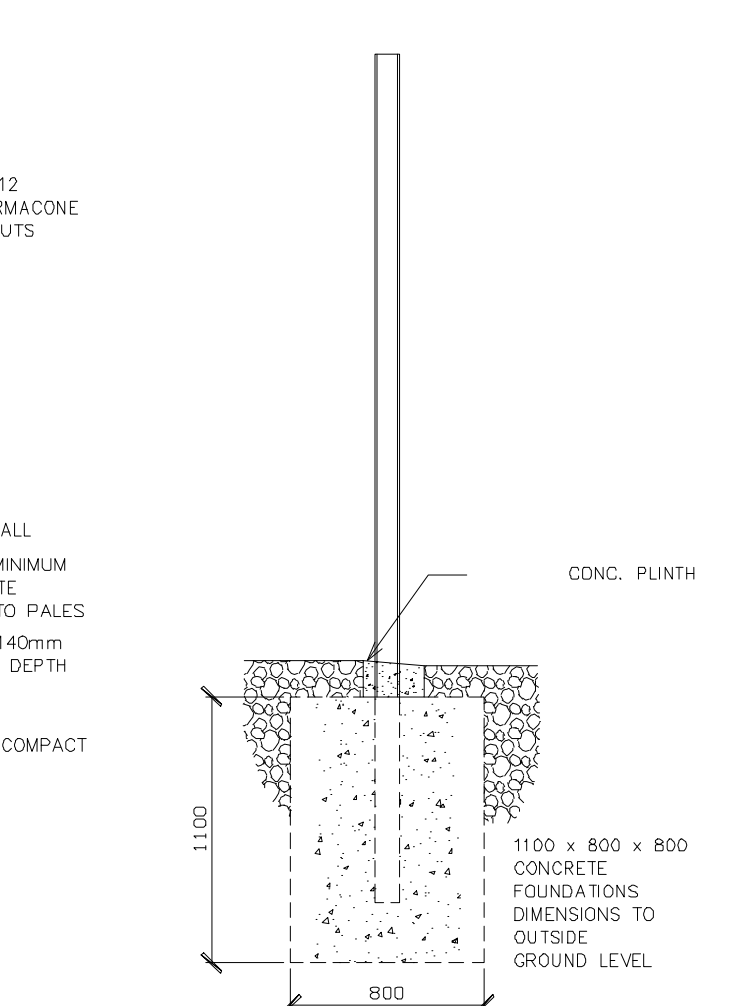
ELEVATION OF FENCE
SCALE 1:50



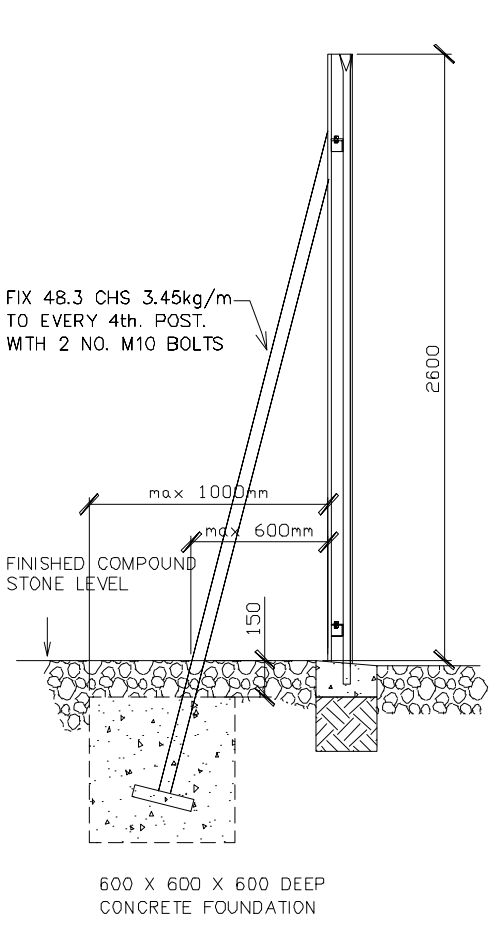
SIDE ELEVATION OF POST
SCALE 1:50



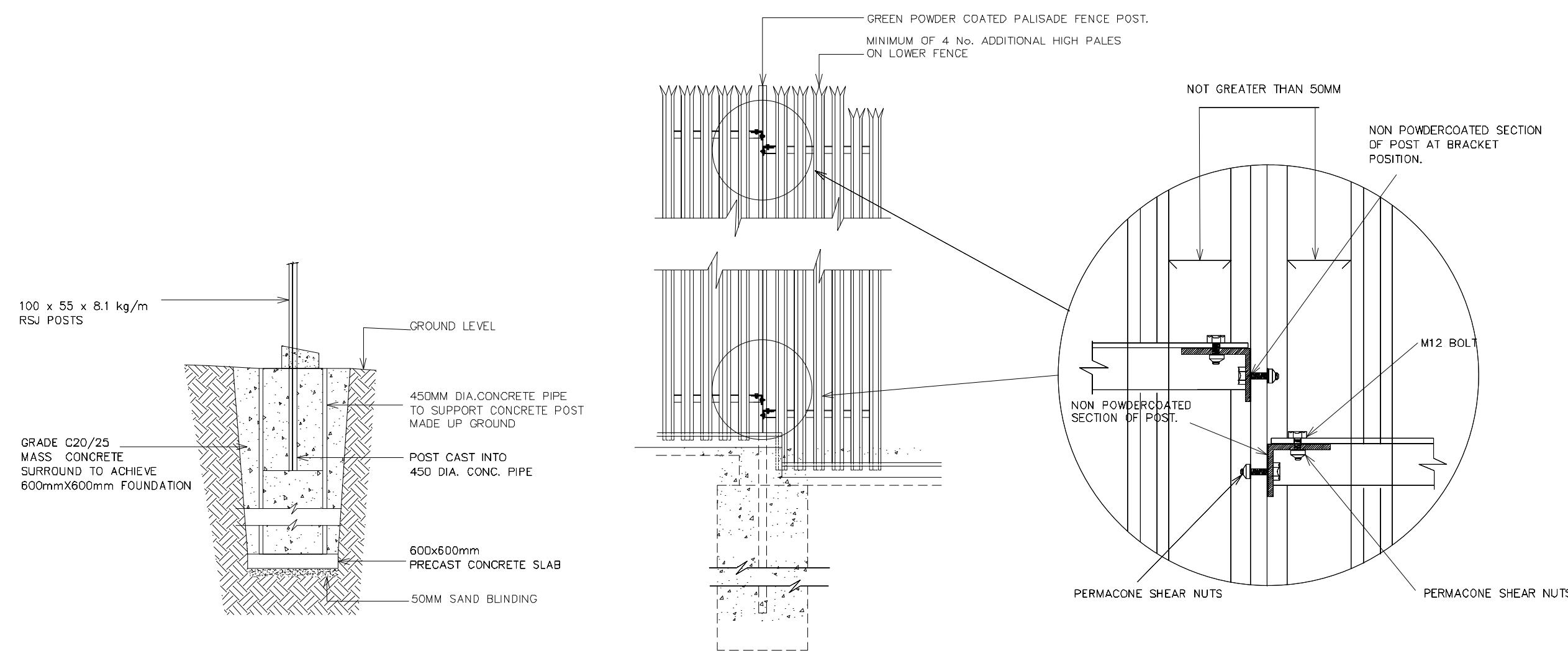
PALES & PLINTH DETAILS
SCALE 1:50



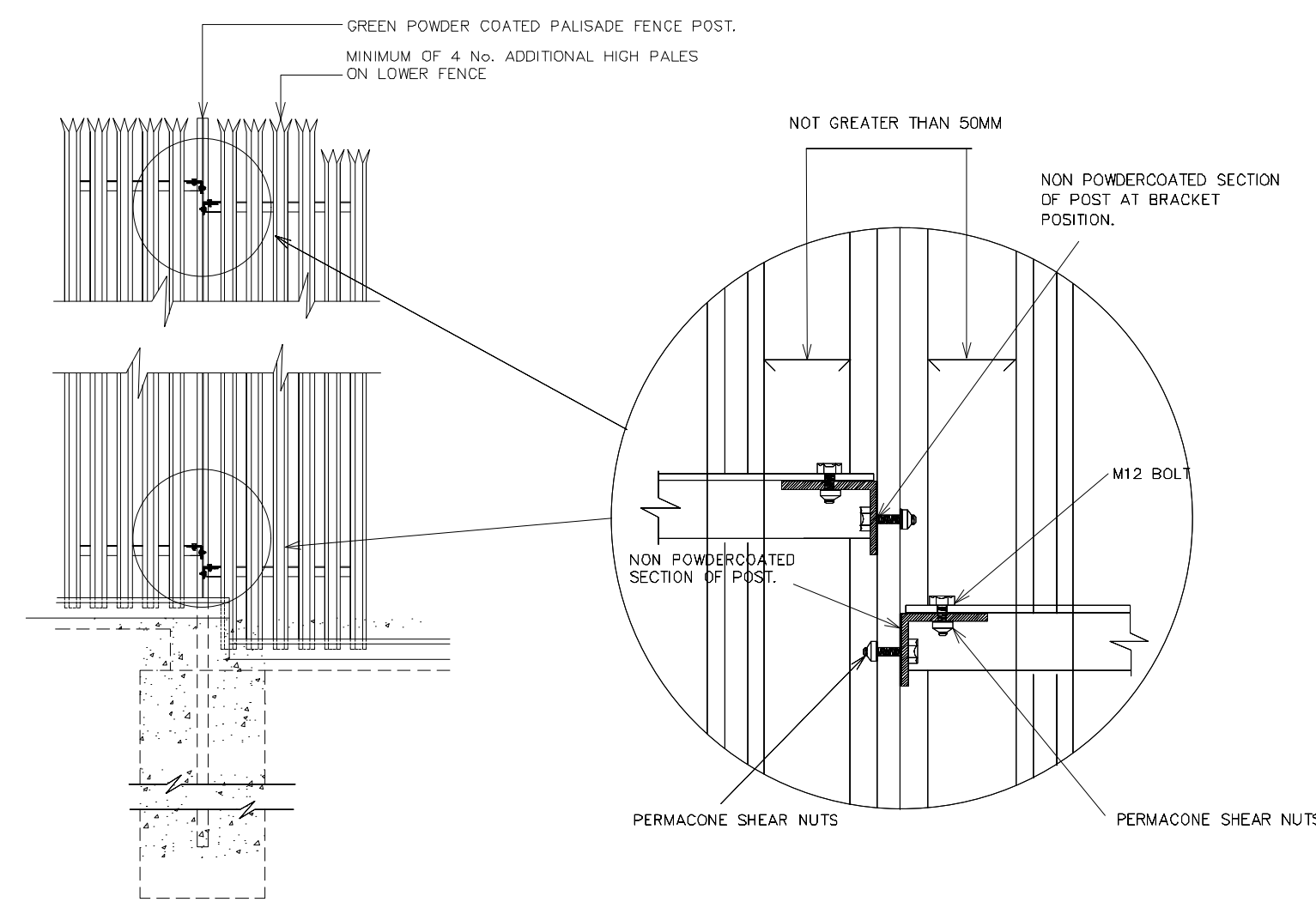
DETAILS OF FOUNDATION TO CORNER POSTS
SCALE 1:50



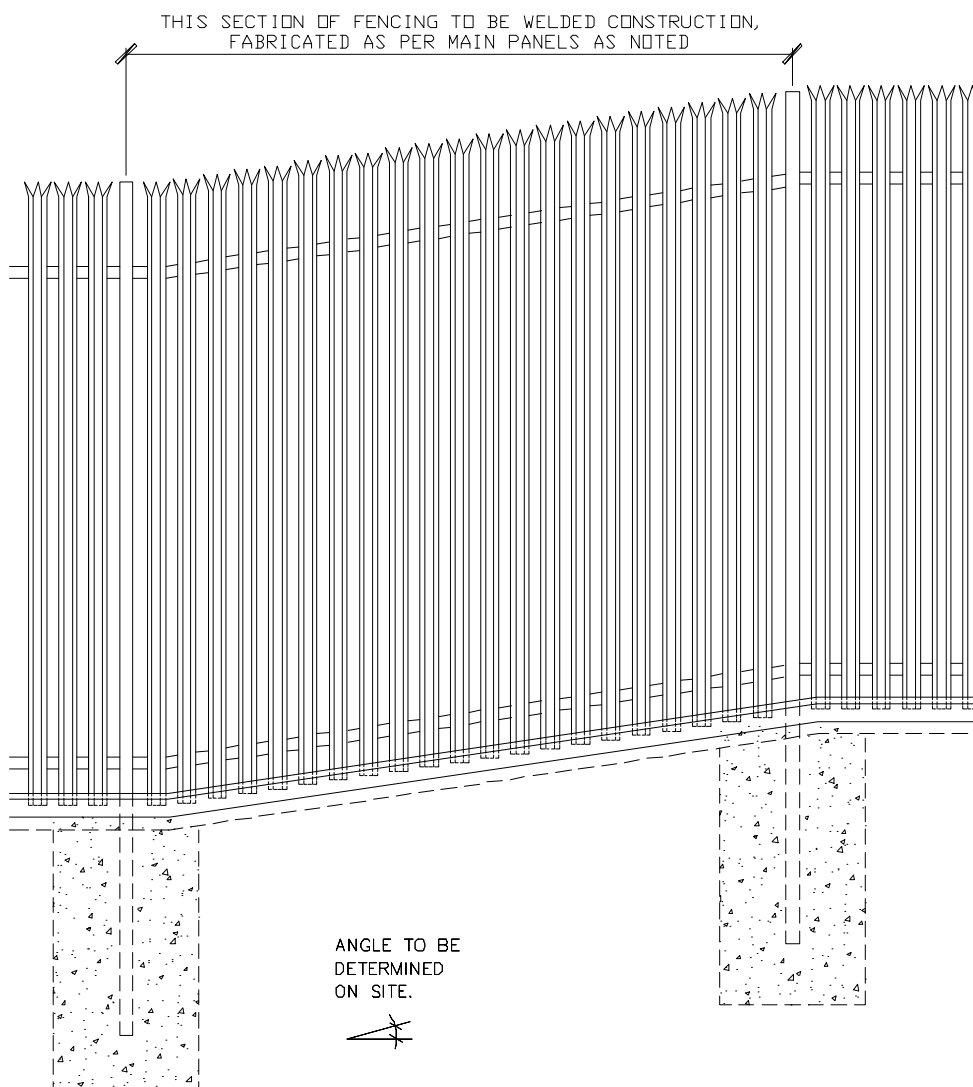
DETAIL OF STRUTS TO FENCING (ONLY WHEN REQUIRED)
SCALE 1:50



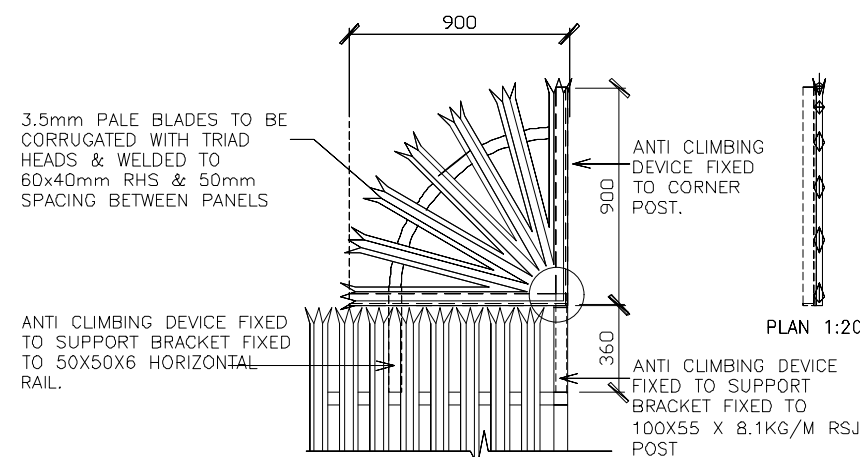
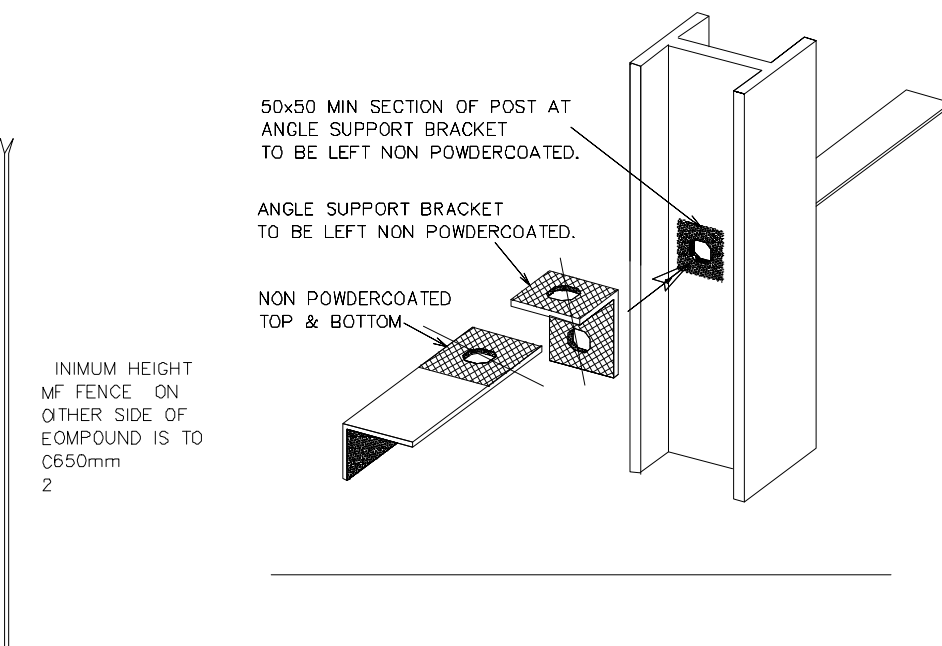
DETAIL WHERE THERE IS MADE-UP GROUND
SCALE 1:50



STEP(S) IN PALISADE FENCE (WHERE APPLICABLE)
SCALE 1:50



ELEVATION TO TYPICAL SLOPED SECTION OF FENCING
SCALE 1:50



DETAILS OF ANTI-CLIMBING AID (WHERE APPLICABLE)
SCALE 1:50

REV	DATE	DESCRIPTION	BY	APP
P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB
P01	26/04/24	ISSUED FOR INFORMATION	SK	JB

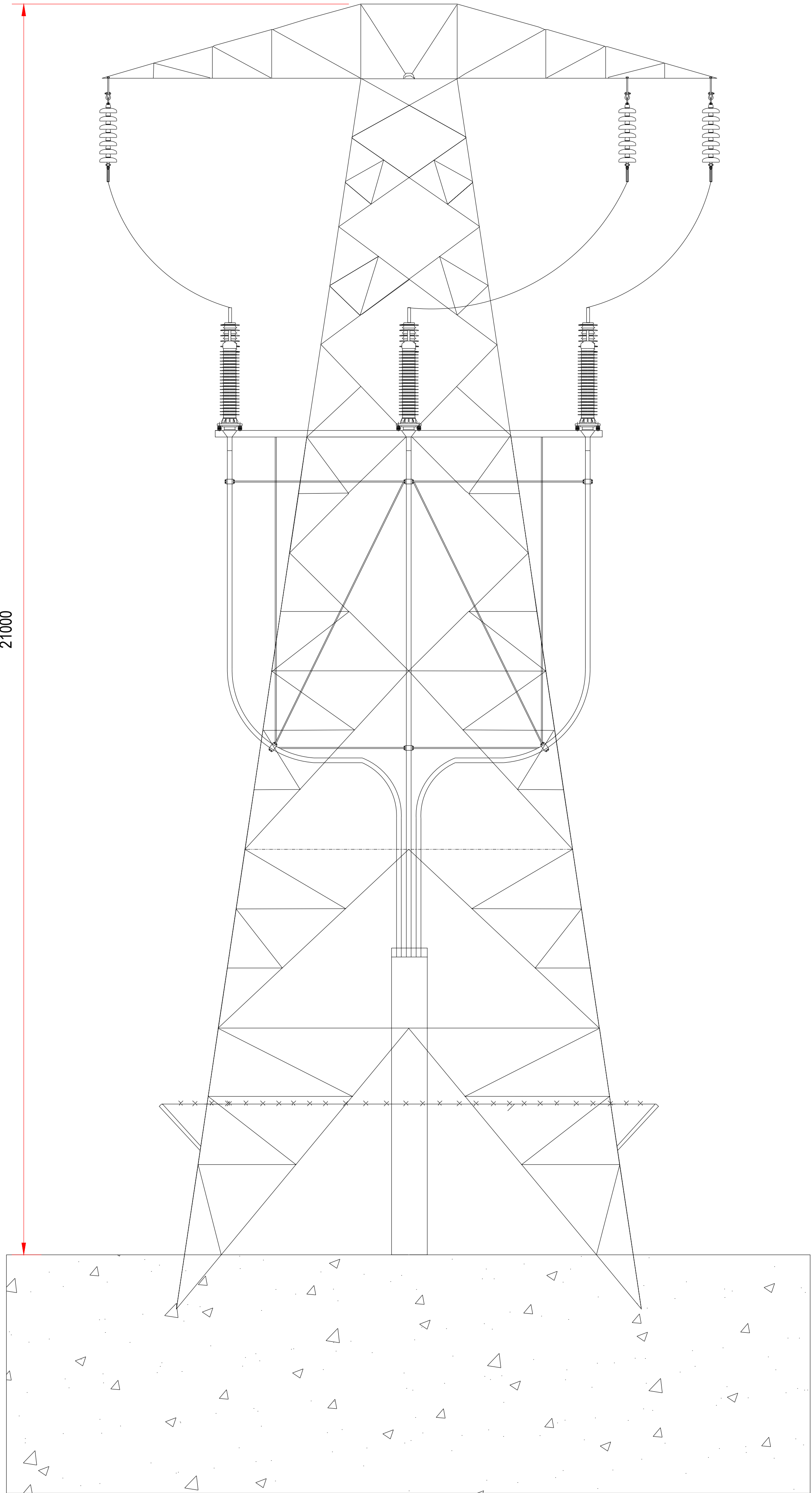
GARRANE GREEN ENERGY PROJECT

TITLE:
Palisade Fence Typical Details

CLIENT:
Garrane Green Energy



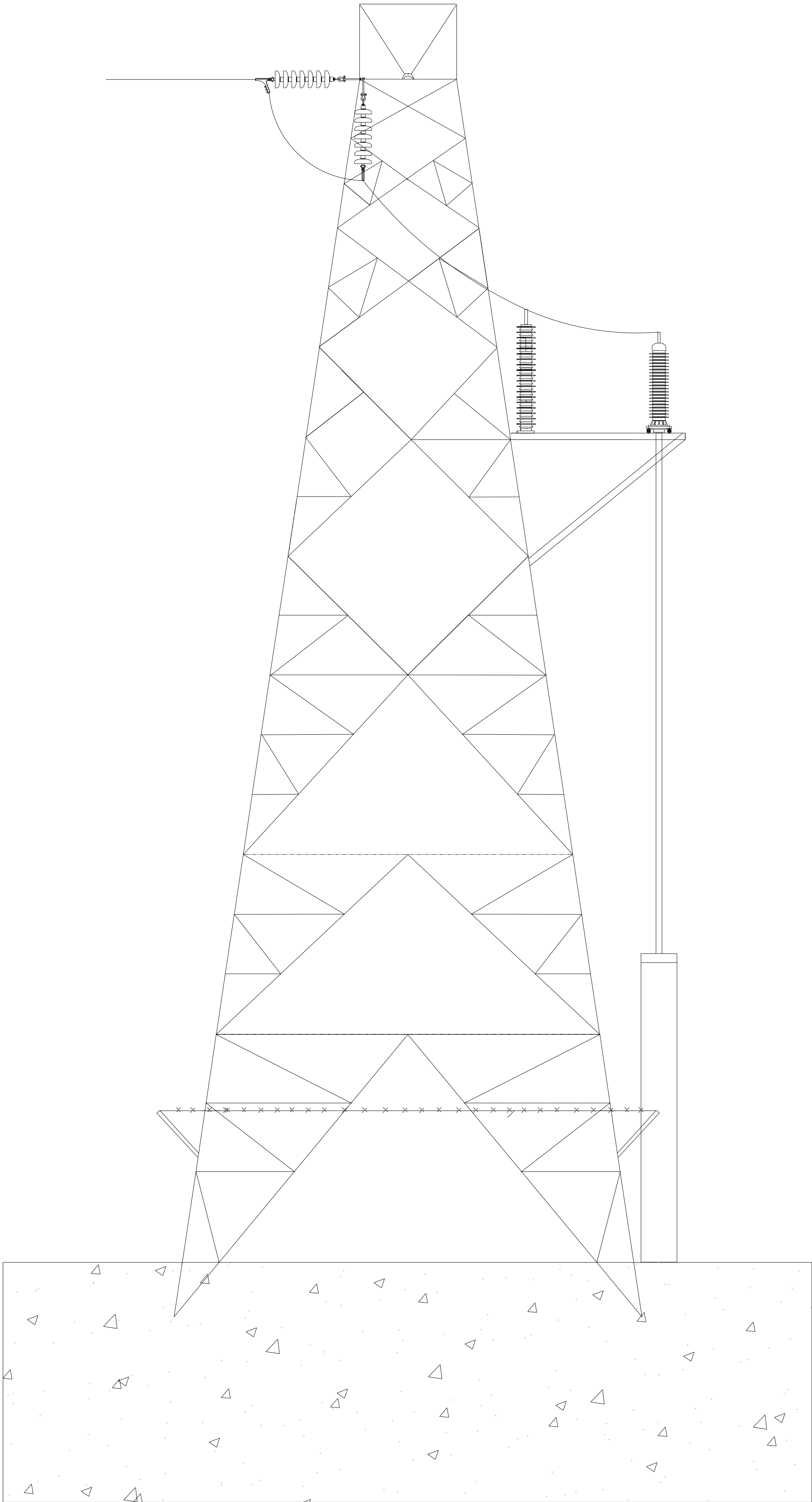
DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 16 Jan 2025	SCALE @ A1: As Shown
STATUS DESCRIPTION		STATUS: S2
FOR INFORMATION		
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2410	REV: P02	



FRONT ELEVATION

HEIGHT OF TOWER IS SUBJECT TO CHANGE.
DEPENDENT ON EXISTING 110 KV LINE
PROFILE AND POLESETS. TO BE CONFIRMED
WITH DETAILED DESIGN IN CO-ORDINATION
WITH EIRGRID AND MANUFACTURERS
SPECIFICATION.

FOUNDATIONS SHOWN ARE PURELY
INDICATIVE. DESIGN OF FOUNDATIONS WILL
BE CARRIED OUT AT DETAILED DESIGN
STAGE BASED ON A GEOTECHNICAL
INVESTIGATION OF THE GROUND IN THE
AREA SHOWN ON PLAN LAYOUTS



SIDE ELEVATION

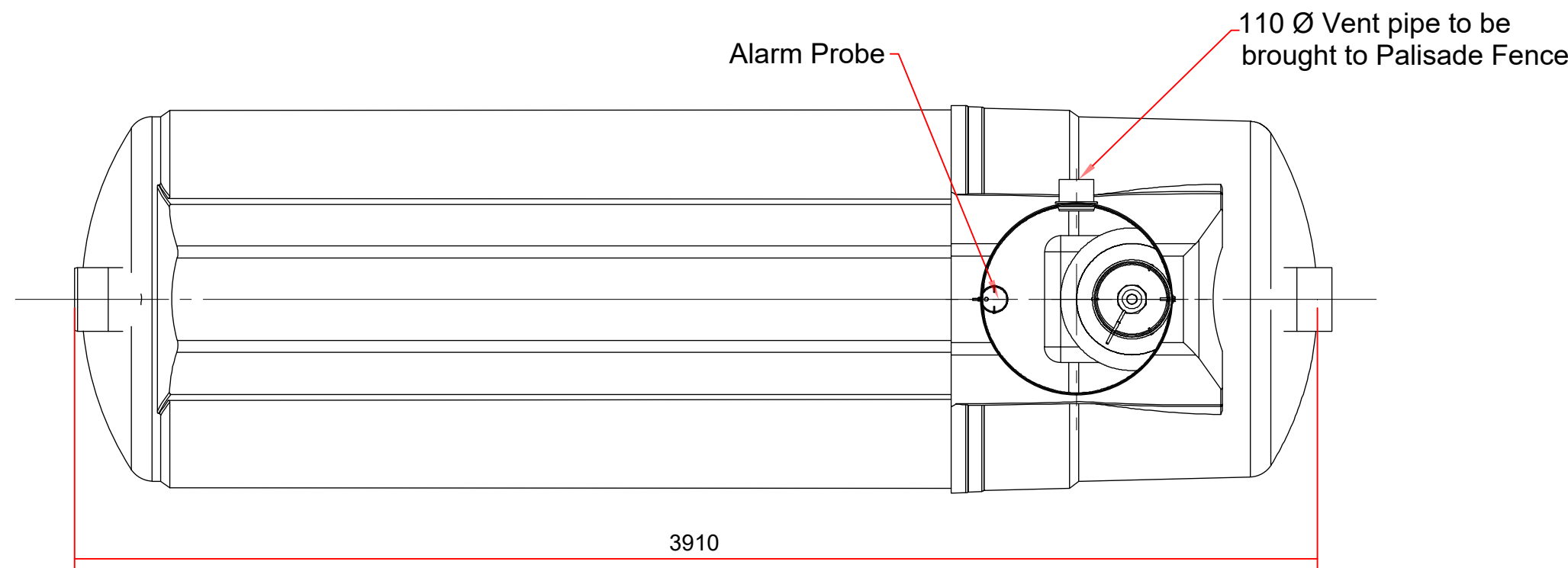
- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE
DESIGNERS IMMEDIATELY
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS
SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE
DESIGNERS PERMISSION.
1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
 2. DRAWINGS ARE NOT TO BE SCALED.
 3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
 4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT
SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND
ENGINEERING DRAWINGS.

P02	16/01/25	UPDATED AS PER COMMENTS		SK	JB
P01	26/04/24	ISSUED FOR INFORMATION		SK	JB
REV	DATE	DESCRIPTION		BY	APP
PROJECT:					

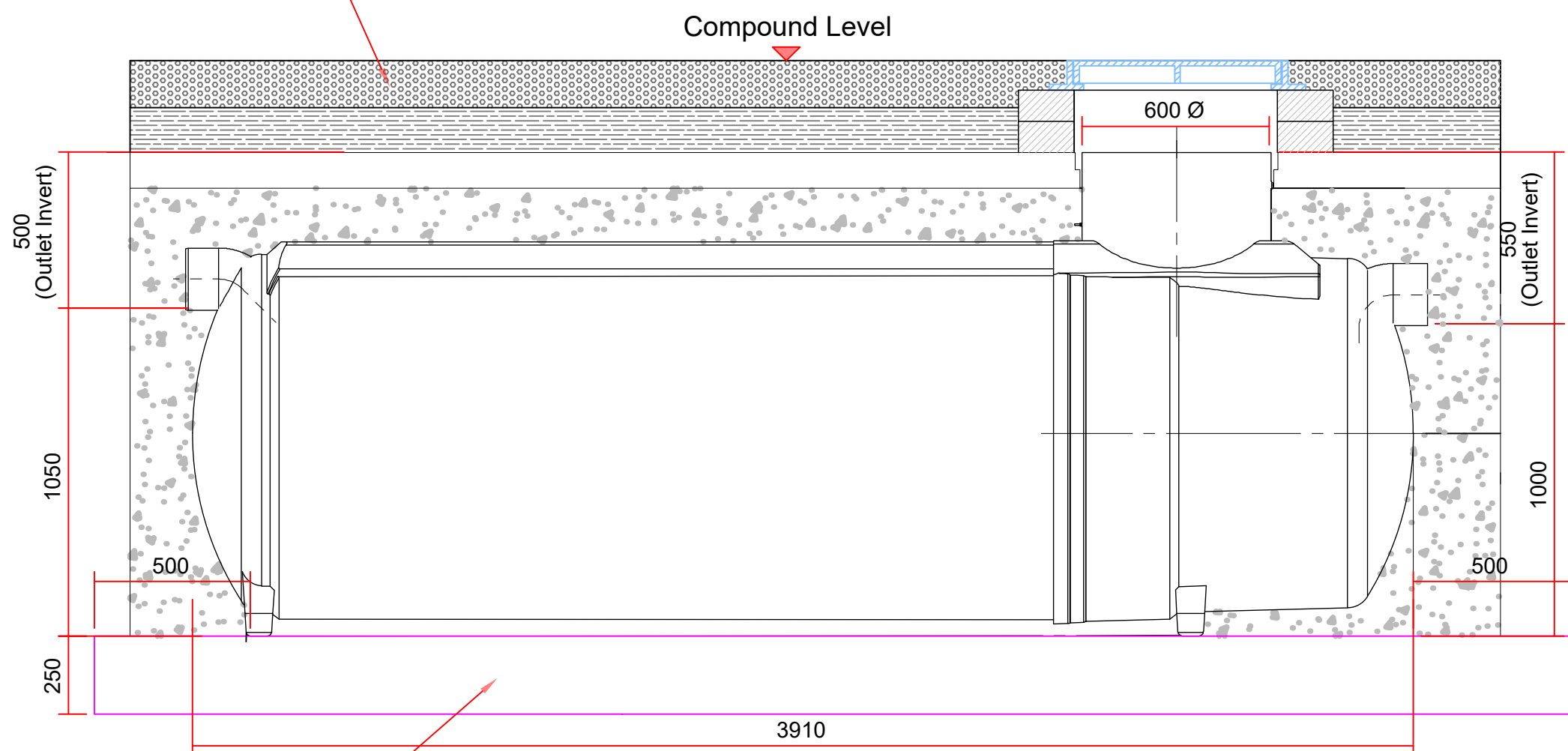
GARRANE GREEN ENERGY PROJECT					
TITLE:					
Line Cable Interface Mast (LCIM) Typical Detail					
CLIENT:					
Garrane Green Enegy 					
					
DRAWN:	SK	CHECKED:	JB	APPROVED:	TS
PROJECT NUMBER:	3337	DATE:	16 Jan 2025	SCALE @ A1:	1:50
STATUS DESCRIPTION				STATUS:	
FOR INFORMATION				S2	
DRAWING NUMBER:				REV:	
3337-SUIR-SS-DR-C-2411				P02	

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.

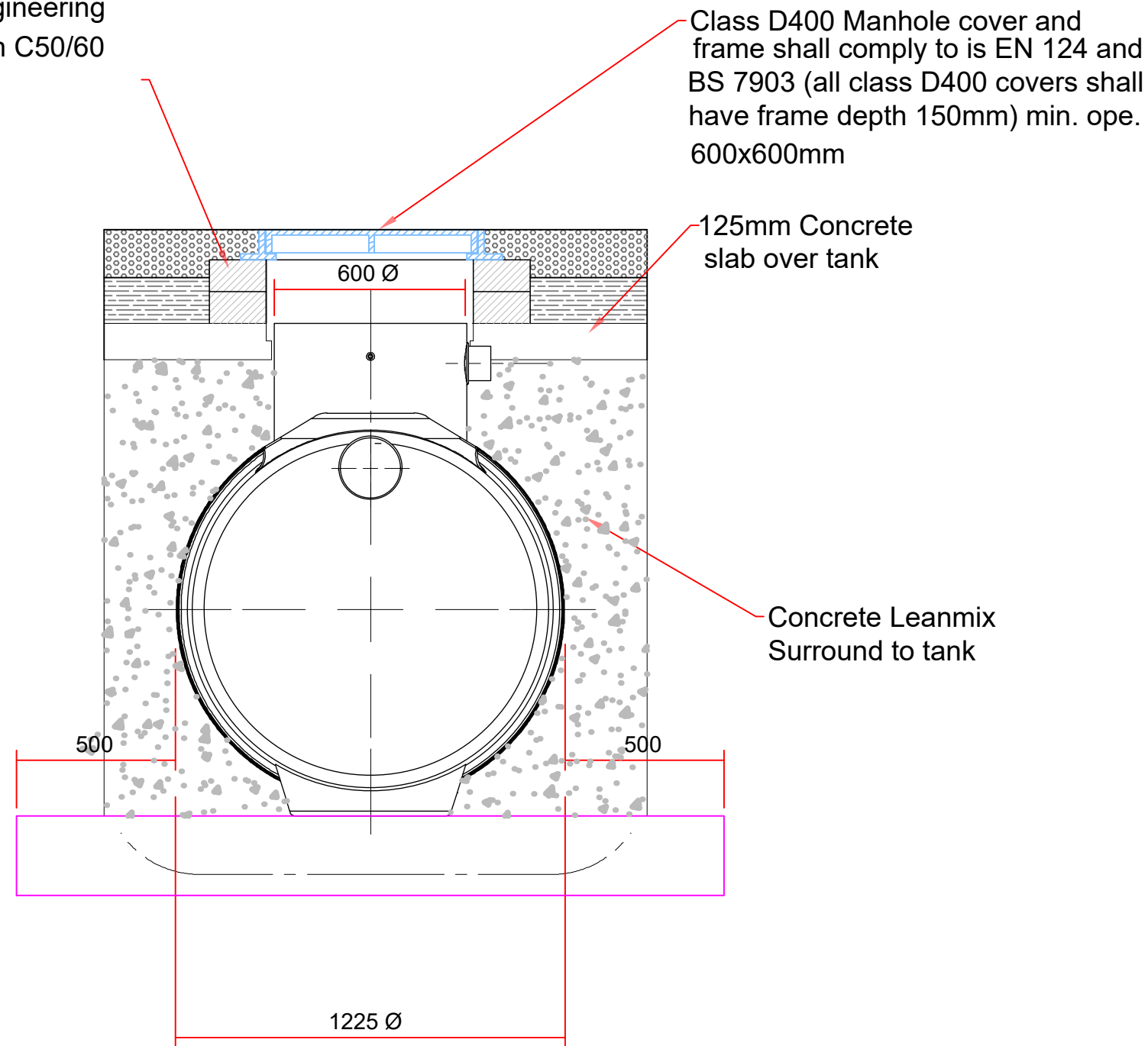


150mm thick top layer of compound stone consisting of 50mm single sized crushed limestone on terram 1300 geotextile membrane



250mm Thk RC Base with 2 layers A393 mesh (1T, 1B)

1 No. course min. and 3 No. courses max. of class B engineering bricks set in C50/60 mortar



Class D400 Manhole cover and frame shall comply to is EN 124 and BS 7903 (all class D400 covers shall have frame depth 150mm) min. ope. 600x600mm

125mm Concrete slab over tank

Concrete Leanmix Surround to tank

TYPICAL FULL RETENTION CLASS 1 INTERCEPTOR
NSFA015 fitted with an oil fuel alarm and an adaptor for the larger diameter 225mm pipe. Allow for 50mm standard drop across the interceptor.

Scale 1:20

Note:
The final details/sizing of the interceptor are subject to confirmation and detailed review on receipt of the transformer suppliers construction drawings. This drawing will be resubmitted once these details are finalised prior to construction. Date of reissue to be confirmed.

P02	16/01/25	UPDATED AS PER COMMENTS			SK JB
P01	11/11/24	ISSUED FOR INFORMATION			SK JB
REV	DATE	DESCRIPTION			BY APP

PROJECT:

GARRANE GREEN ENERGY PROJECT

TITLE:

Typical Oil Interceptor Tank Details

CLIENT:

Garrane Green Enegy

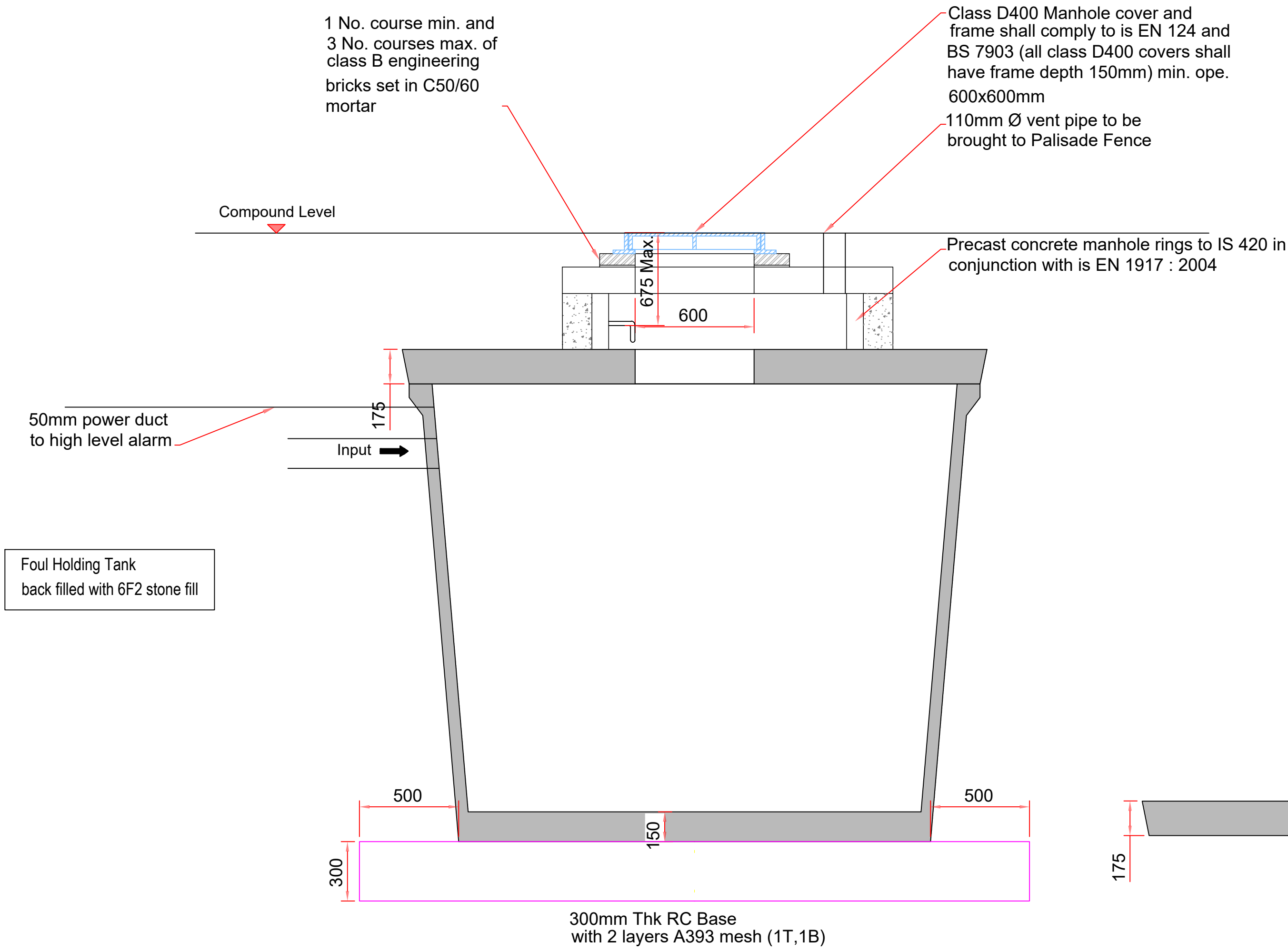


DRAWN: SK CHECKED: JB APPROVED: TS

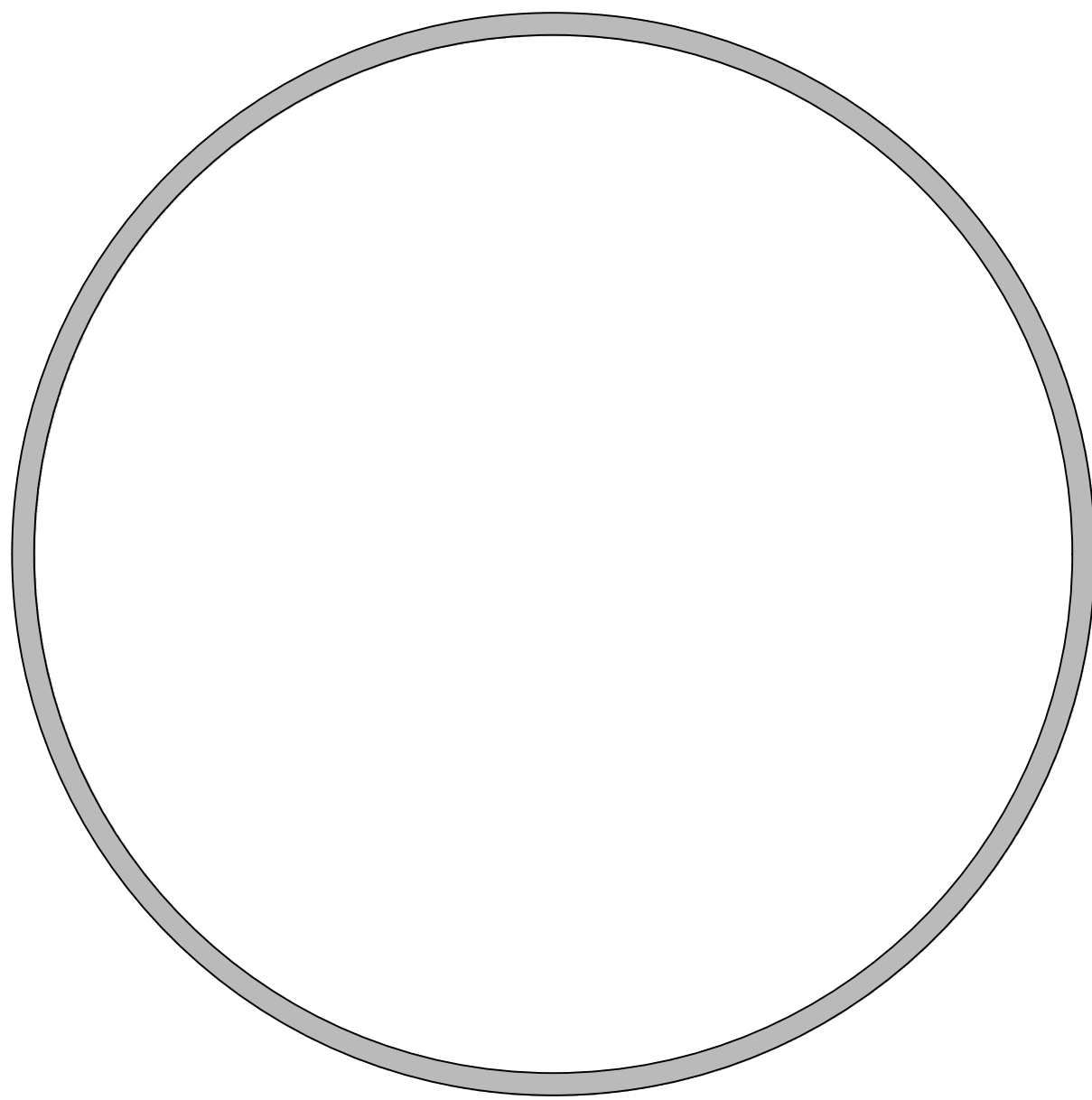
PROJECT NUMBER: 3337 DATE: 16 Jan 2025 SCALE @ A1: As Shown

STATUS DESCRIPTION: FOR INFORMATION STATUS: S2

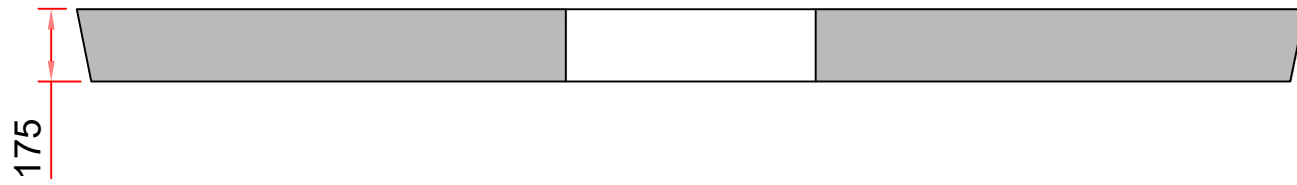
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2412 REV: P02



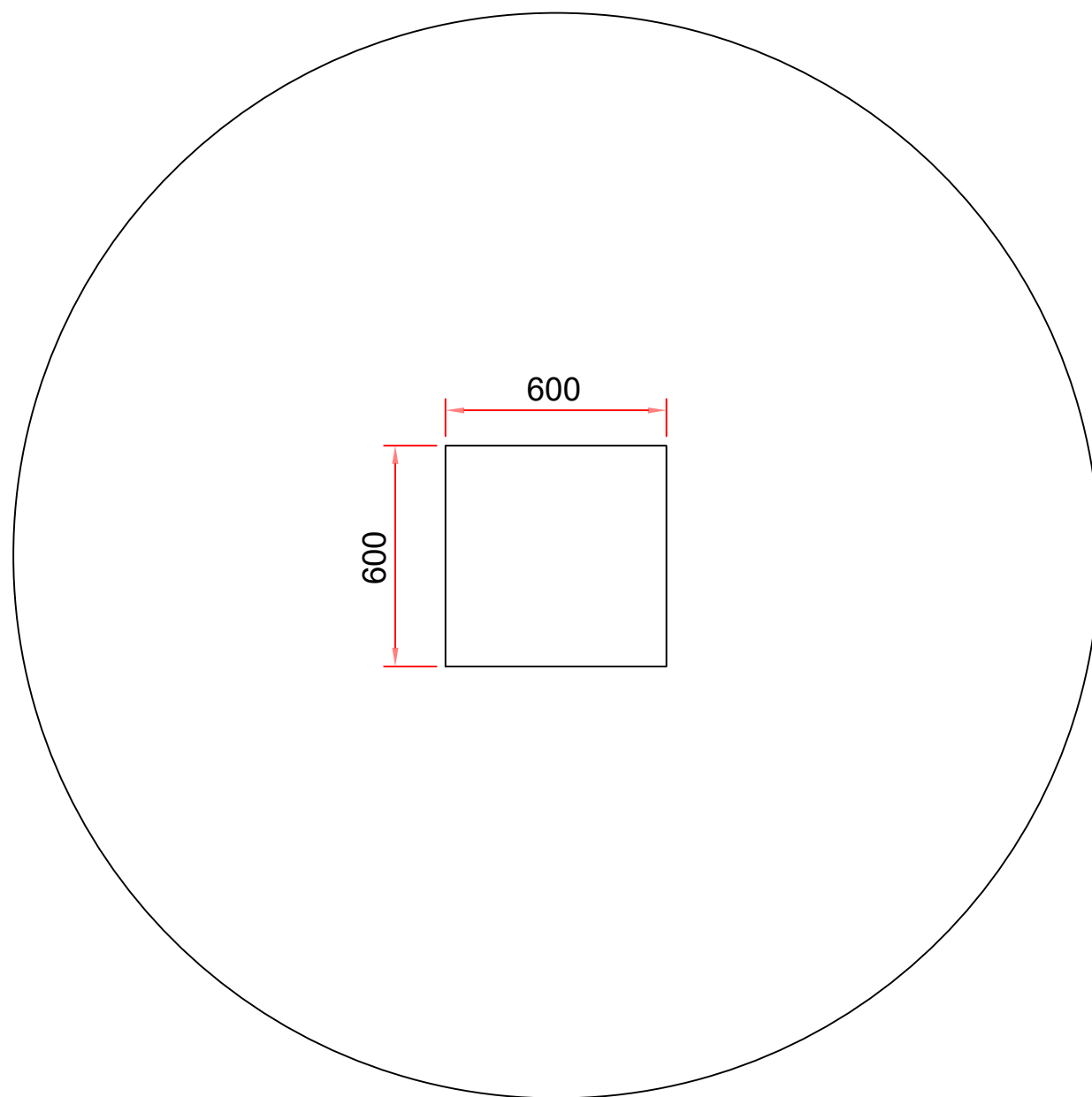
TANK VERTICAL SECTION



TANK TOP PLAN



LID SECTION



LID TOP PLAN

FOUL SEWER HOLDING TANK
(VOLUME 5m3)

SCALE: 1:25

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.

P02	16/01/25	UPDATED AS PER COMMENTS			SK JB
P01	11/11/24	ISSUED FOR INFORMATION			SK JB
REV	DATE	DESCRIPTION	BY	APP	

PROJECT:

GARRANE GREEN ENERGY PROJECT

TITLE:

Typical Effluent Tank Details

CLIENT:

Garrane Green Enegy



DRAWN: SK CHECKED: JB APPROVED: TS

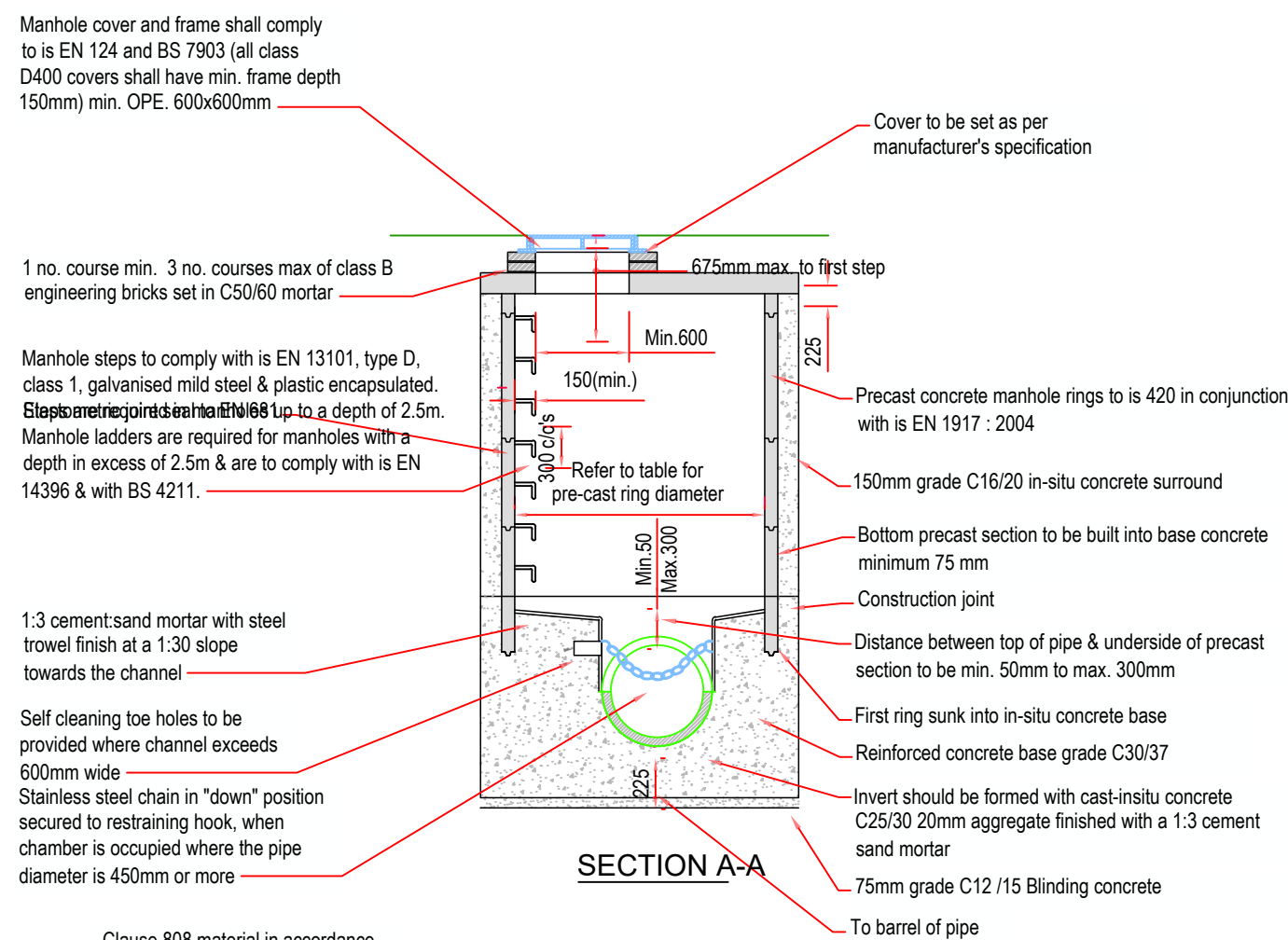
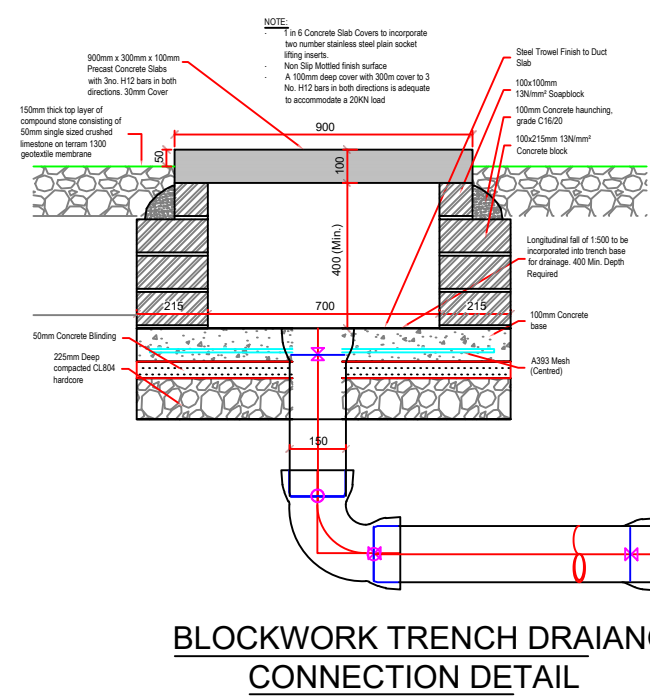
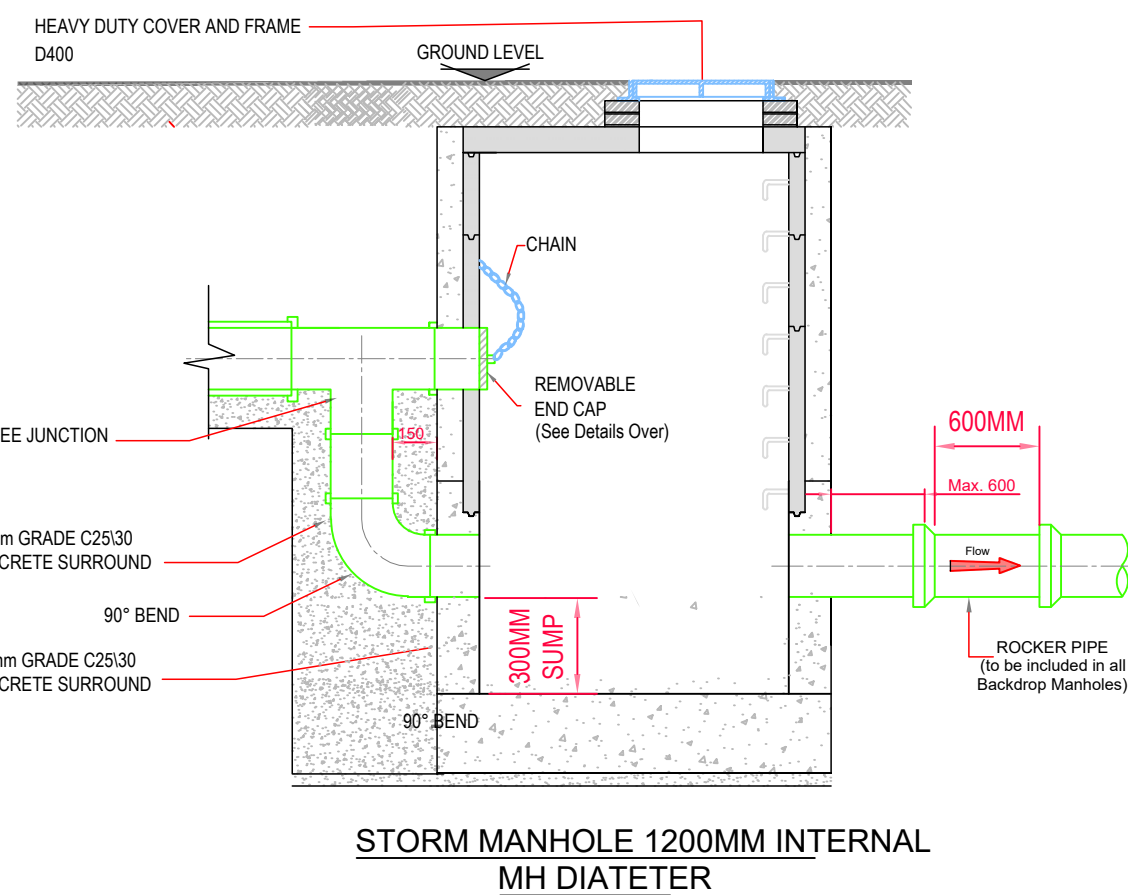
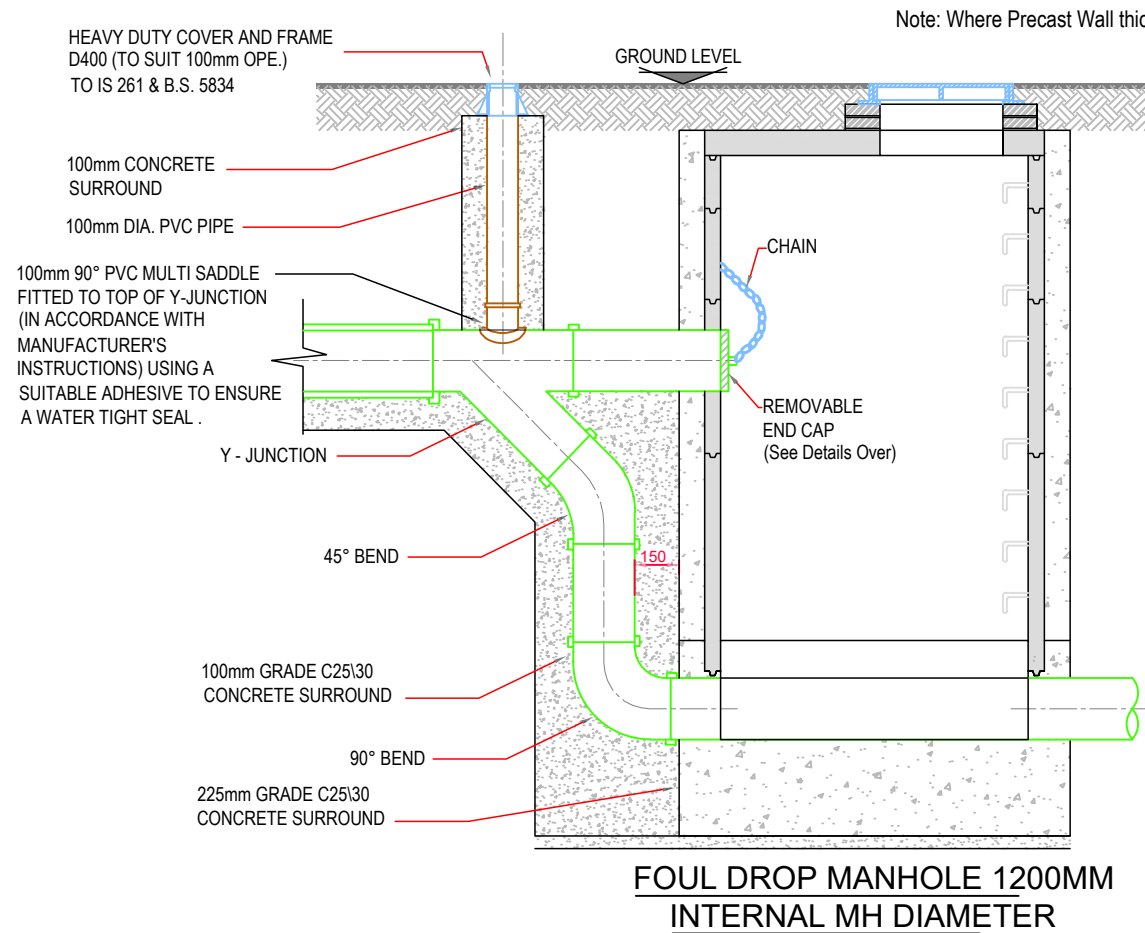
PROJECT NUMBER: 3337 DATE: 16 Jan 2025 SCALE @ A1: As Shown

STATUS DESCRIPTION FOR INFORMATION STATUS: S2

DRAWING NUMBER: 3337-SUIR-SS-DR-C-2413 REV: P02

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

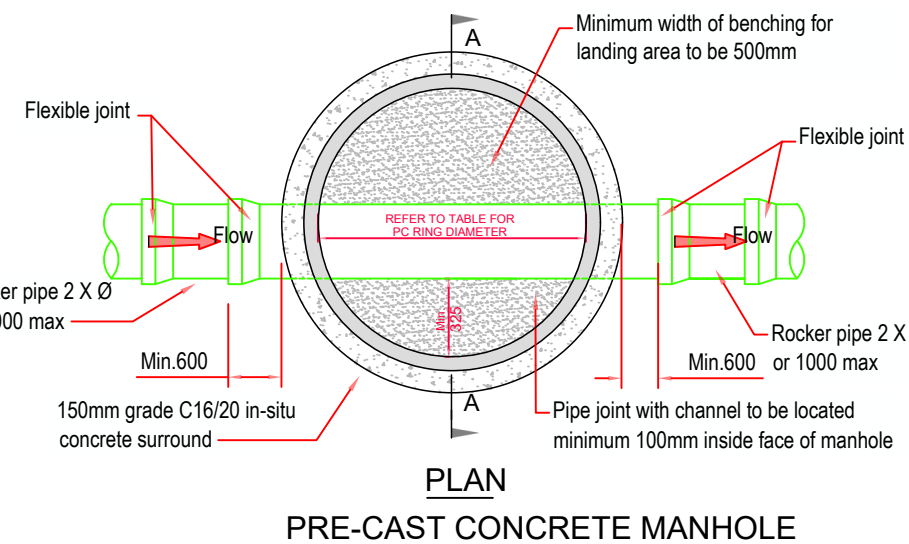
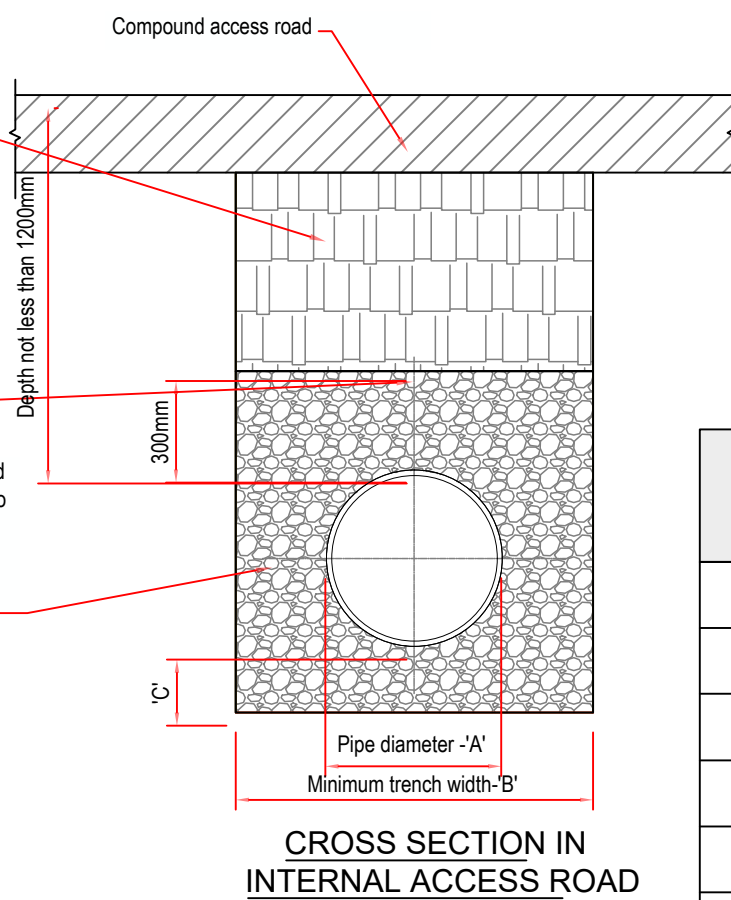
1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.



Clause 808 material in accordance with the national roads authority specification for road works is to be used as backfill material Clause 808 is to be compacted as per clause 802 of the national roads authority specification for road works.

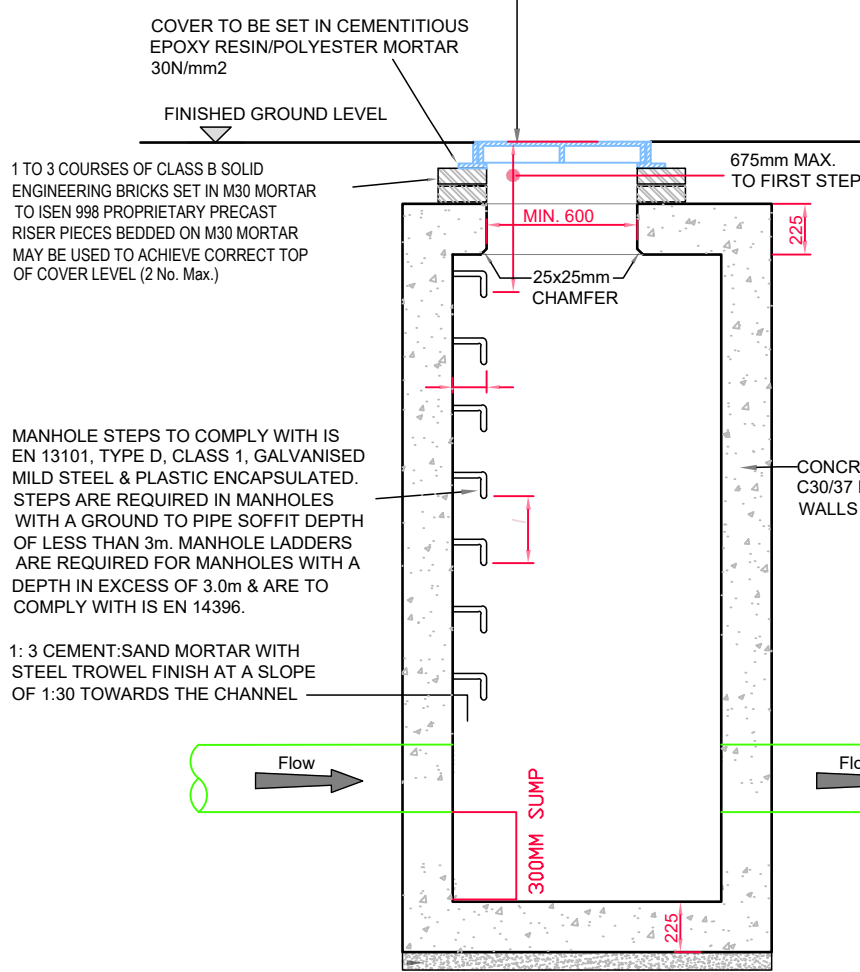
Non degradable marker tape should be installed at top of pipe bedding layer.

Pipe bedding shall comply with w1s 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded aggregate or 10mm single sized aggregate is EN 13242, concrete bed, haunch & surround, where required, shall be to STD-WW-08.



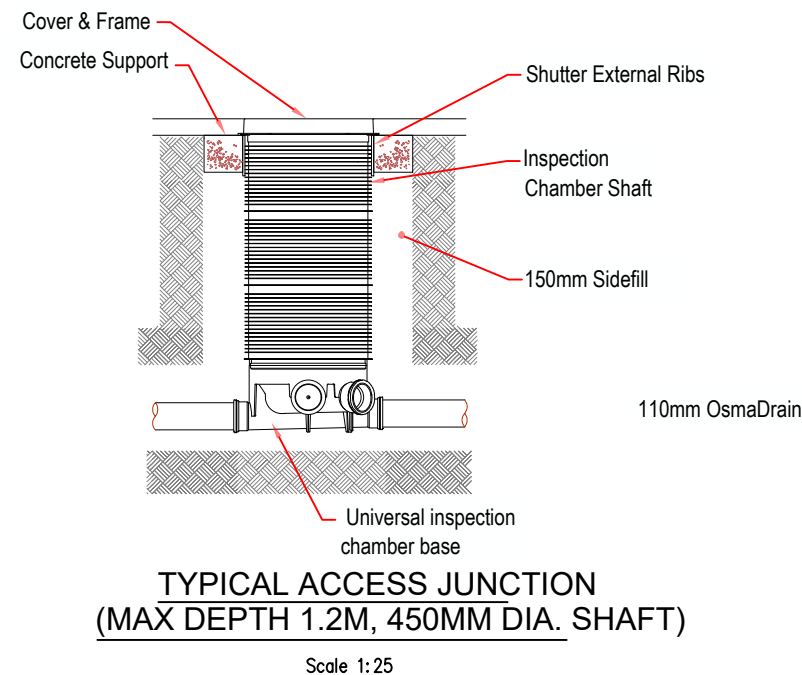
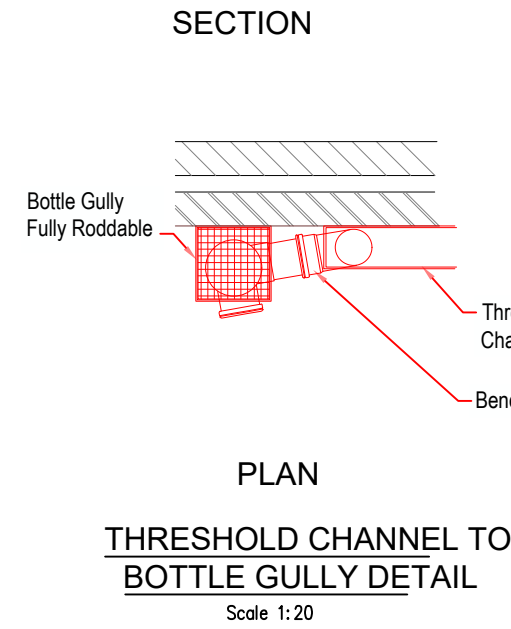
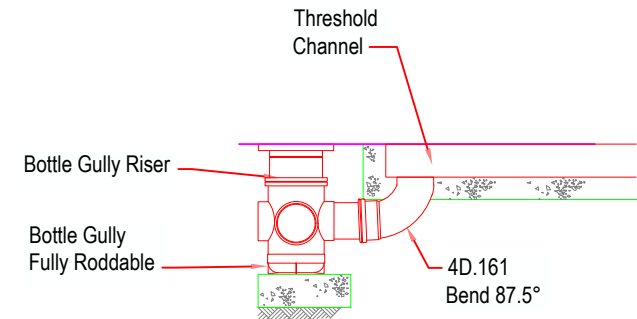
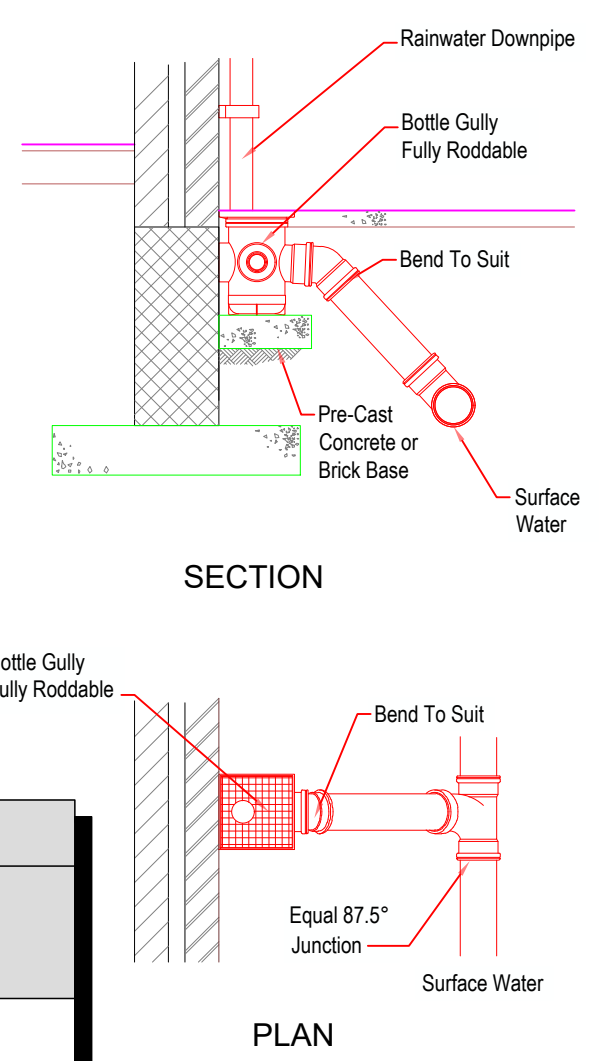
MINIMUM MANHOLE DIAMETERS	
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200
375 TO 450	1350
500 TO 750	1500

MANHOLE COVER AND FRAME SHALL COMPLY TO IS EN 124 AND BS 7903 (ALL CLASS D400 COVERS SHALL HAVE MIN. FRAME DEPTH 100-150mm) MIN. OPE. 600x600mm or 600mm Ø.



BACKDROP MANHOLES

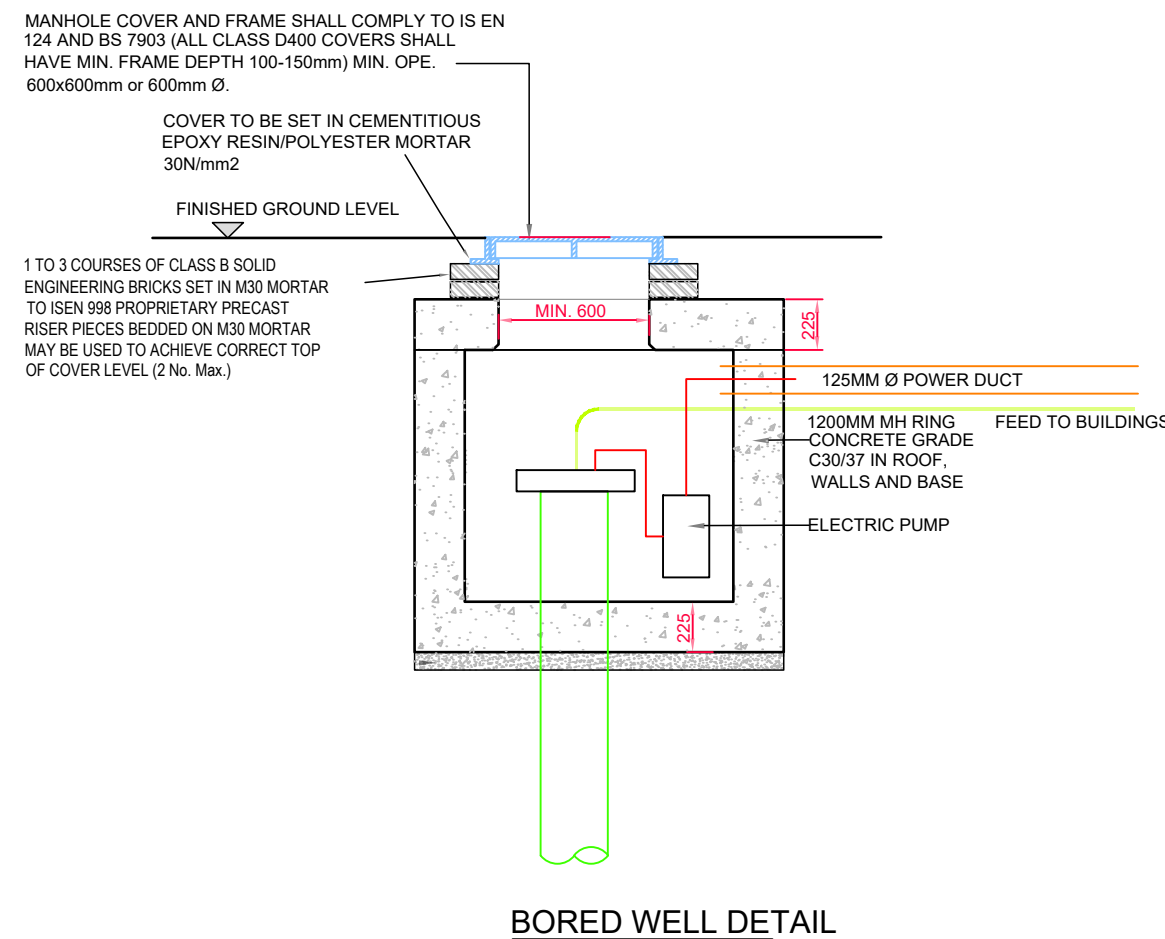
Not to Scale



1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE PIPE BEDS AND HAUNCHES REQUIRED WHERE MINIMUM COVER IS LESS THAN 1200MM ROAD.
3. CONCRETE PIPE BEDS AND HAUNCHES SHALL HAVE A MINIMUM THICKNESS.
4. CONCRETE TO BE IN ACCORDANCE WITH IS EN 206 AND TO BE CLASS C30/37.
5. THE HAUNCHES AND SURROUNDS TO BE FORMED USING FORM WORK TO PROVIDE A ROUGH CAST FINISH.
6. EXPANSION JOINTS IN THE CONCRETE SHALL BE PROVIDED AT ALL PIPE JOINTS TO ALLOW FOR PIPE FLEXIBILITY, COMPRESSIBLE FILLER BOARD TO BE IN ACCORDANCE WITH BS EN 622-1 AND BS EN 622-4, AND TO BE 18mm THICK.
7. POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6076 BEFORE BEING CAST INTO CONCRETE.
8. BITUMINOUS MATERIAL SHALL NOT BE PUT IN CONTACT WITH PE OR PVC PIPES.
9. DETAILED DESIGN OF BORED WELL AS SHOWN ON THE DRAINAGE LAYOUT DRAWING TO BE CARRIED OUT BY SPECIALIST.

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
100	100
150 - 450	200



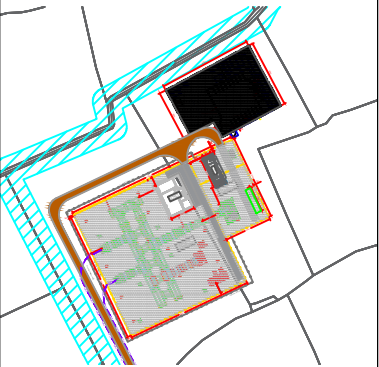


DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY.
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION.
© THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDINANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.

LEGEND

	GRAVEL/STONE SURFACE
	COMPOUND STONE ACCESS ROADS
	CONCRETE ACCESS ROAD
	LANDS UNDER CONTROL OF APPLICANT
	PLANNING APPLICATION BOUNDARY
	10m DRAIN BUFFER



Talite Éireann - Surveying
Includes National Mapping Reproduced
Under Copyright to Talite Éireann.
Licence Number CYAL 50362164

REV	DATE	DESCRIPTION	BY	APP
P03	15/05/25	UPDATED AS PER COMMENTS	SK	JB
P03	04/05/25	UPDATED IPP BUILDING	SK	JB
P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB
P01	11/11/24	ISSUED FOR INFORMATION	SK	JB

PROJECT: GARRANE GREEN ENERGY PROJECT

TITLE: Construction Temporary Compound Layout

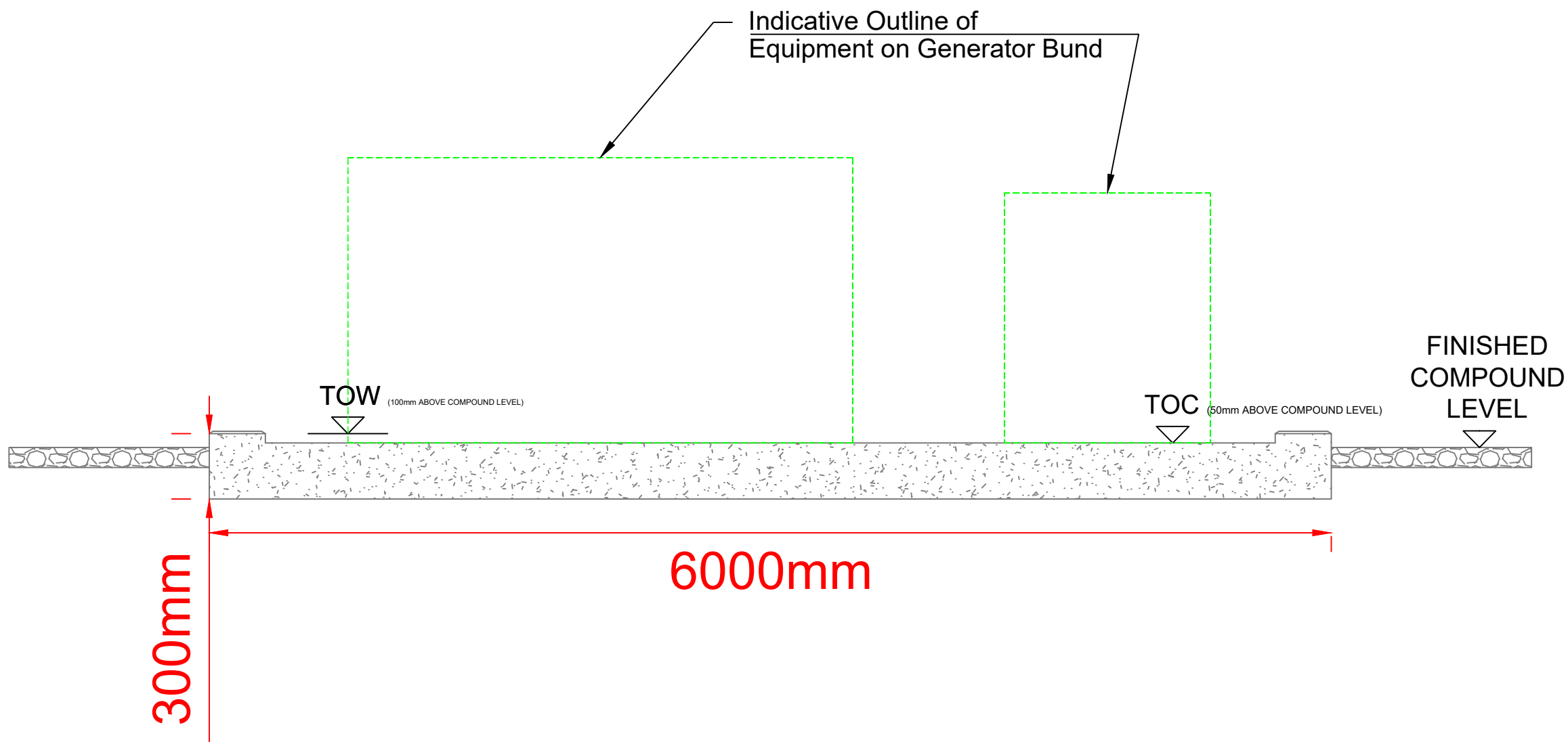
CLIENT: Garrane Green Enegy



DRAWN: SK	CHECKED: JB	APPROVED: TS
PROJECT NUMBER: 3337	DATE: 15 May 2025	SCALE @ A1: 1:200
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 3337-SUIR-SS-DR-C-2415		REV: P04

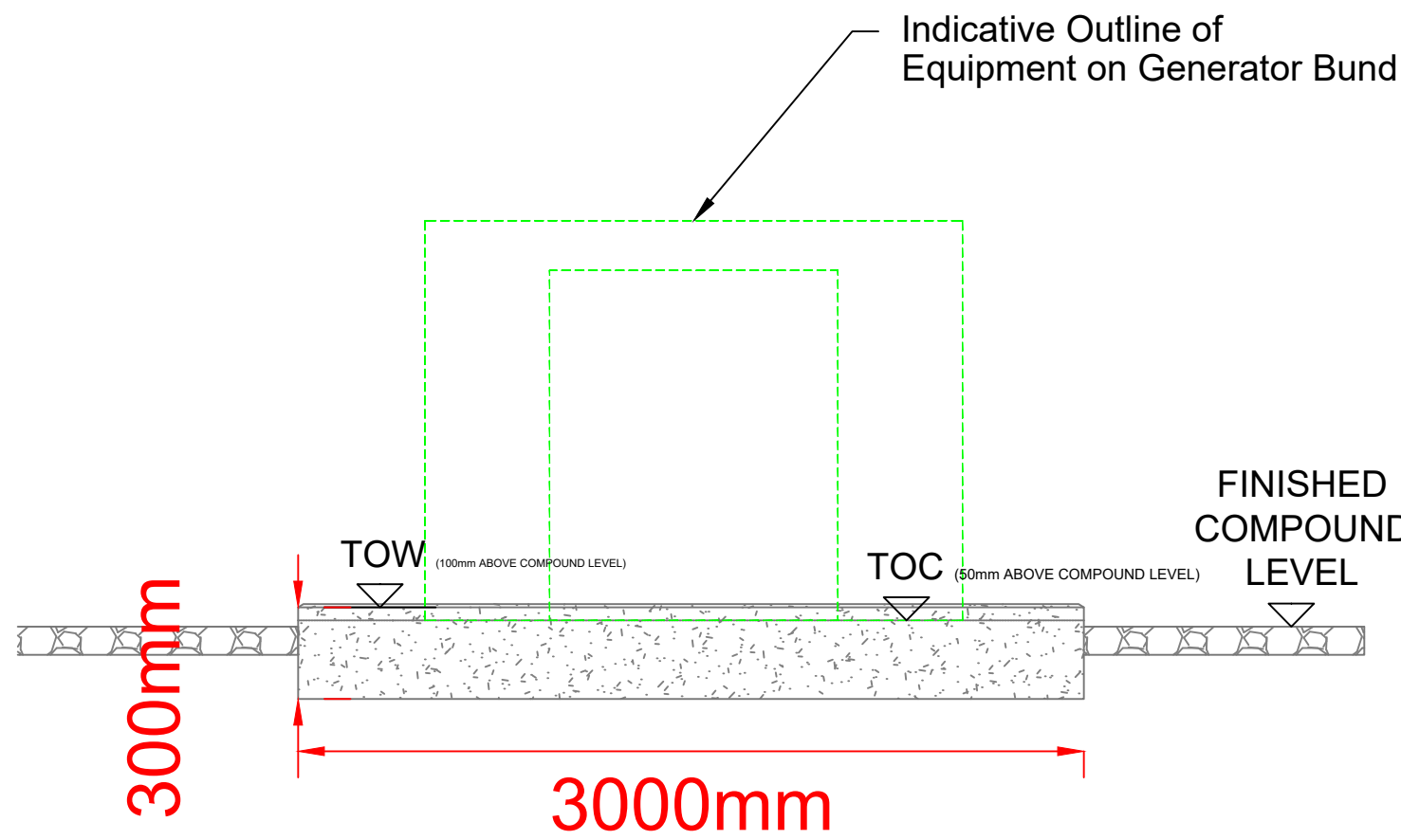
DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.



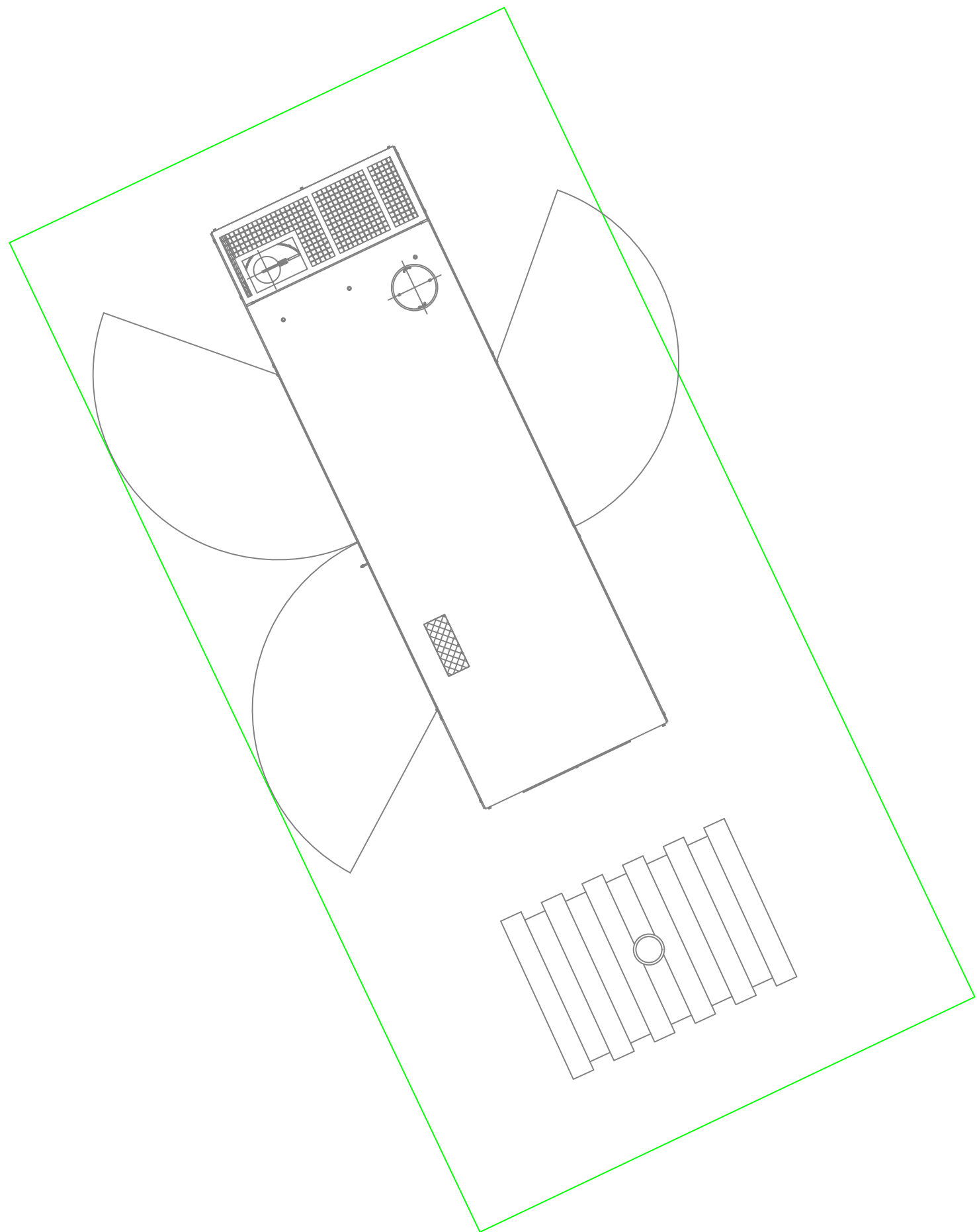
GENERATOR BUND DETAIL - FRONT ELEVATION

SCALE - 1:50



GENERATOR BUND DETAIL - SIDE ELEVATION

SCALE - 1:50



GENERATOR BUND DETAIL - PLAN VIEW

SCALE - 1:50

TYPICAL BUND DETAIL FOR THE DIESEL GENERATOR BUND REQUIRED AS PART OF THE SUBSTATION DEVELOPMENT (AS SHOWN ON PLAN DRAWINGS) - DETAILED DESIGN TO BE CARRIED OUT. BUND TO BE DESIGNED TO HAVE HOLDING CAPACITY FOR ALL CONTAMINANTS IN THE EVENT OF EQUIPMENT FAILURE

P02	16/01/25	UPDATED AS PER COMMENTS	SK	JB	
P01	11/11/24	ISSUED FOR INFORMATION	SK	JB	
REV	DATE	DESCRIPTION	BY	APP	

PROJECT:

GARRANE GREEN ENERGY PROJECT

TITLE:

Generator Bund Detail

CLIENT:

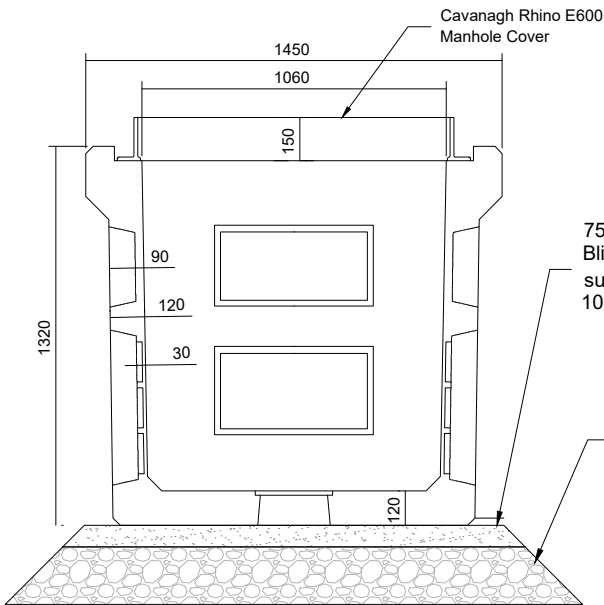
Garrane Green Enegy



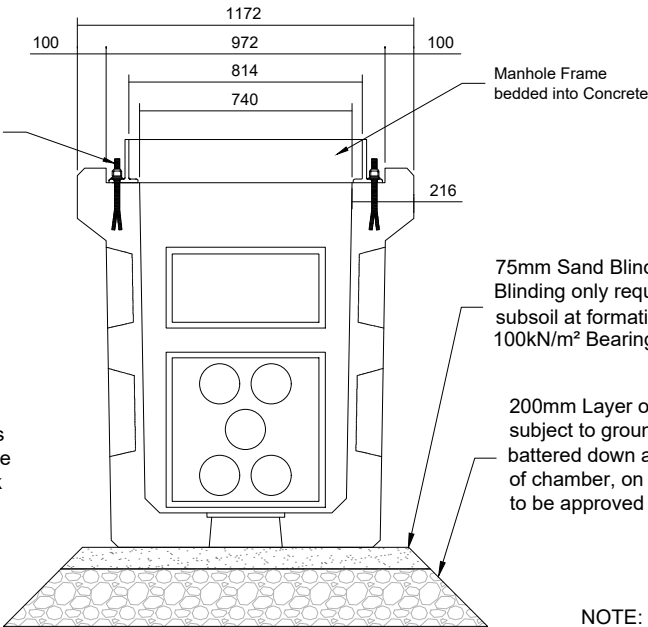
DRAWN:	SK	CHECKED:	JB	APPROVED:	TS
PROJECT NUMBER:	3337	DATE:	16 Jan 2025	SCALE @ A1:	As Shown
STATUS DESCRIPTION				STATUS:	
FOR INFORMATION				S2	
DRAWING NUMBER:				REV:	
3337-SUIR-SS-DR-C-2416				P02	



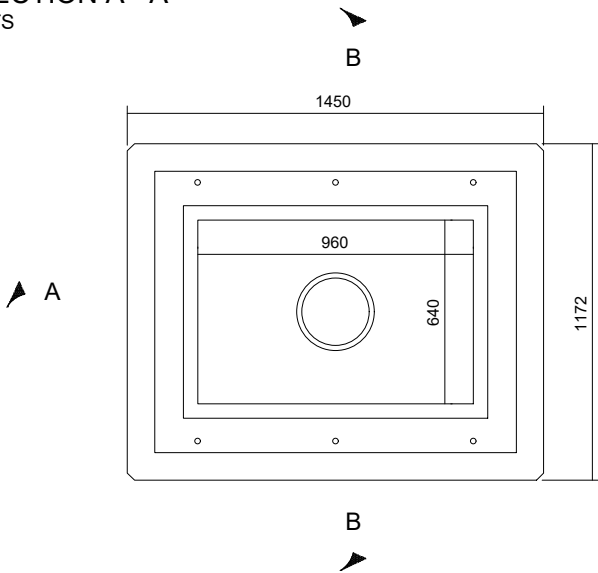
This drawing is the property of Suir Engineering and shall not be used, reproduced or disclosed to anyone without the prior written permission of Suir Engineering and shall be returned upon request.



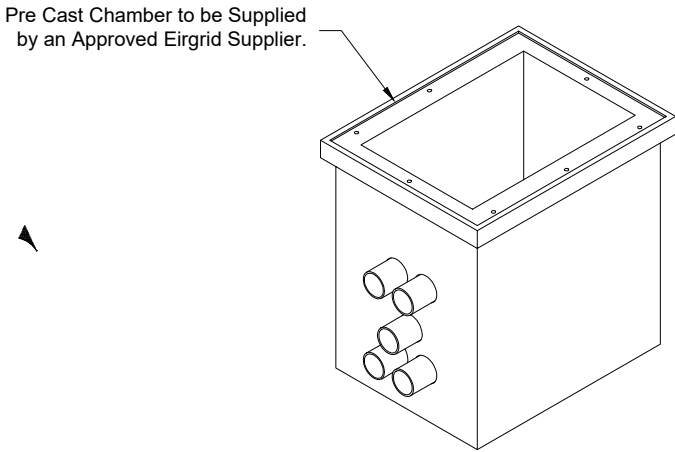
SECTION A - A
NTS



SECTION B - B
NTS



PLAN LAYOUT (E600 CHAMBER)
NTS



ISOMETRIC VIEW
NTS

NOTE:

1. ALL DIMENSION IN MILLIMETERS.
2. REINSTATEMENT TO COMPLY WITH REQUIREMENTS OF THE RELEVANT LOCAL AUTHORITY/ASSET OWNER.
3. ENTRANCE & EXIT DUCTS TO BE IN LINE.
4. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE NRA/T.I.I. SPECIFICATION FOR ROADWORKS, MAY 2005 & SUBSEQUENT REVISIONS.
5. REINFORCED CONCRETE TO BE MINIMUM GRADE C32/40 , SULPHATE RESISTING CEMENT TO BE USED WHERE AGGRESSIVE SOIL CONDITION APPLY, REFER TO TABLE 6.1 OF B.S. 8110.
6. CARRIAGEWAY COVERS AND FRAMES TO BE B.S. EN 8110.
7. ALL COVERS SHALL HAVE 'ESB' LOGO INCORPORATED IN THEM TO THE APPROVAL OF EIRGRID.
8. STEP IRONS TO BE HOT DIPPED GALVANISED TO B.S. 729 AND POSITIONED AS SHOWN ON ANY CHAMBER DEEPER THAN 700mm ON THE END REMOTE FROM ANY SIDE ENTRY DUCT.
9. CONCRETE PRECAST CHAMBER AND COVER SHOULD BE TESTED THROUGH A 5 POINTS 40 TONNES VERTICAL STATIC LOADING TEST BY AN INDEPENDENT TEST COMPANY. IF REQUIRED, FURTHER DETAILS WILL BE PROVIDED BY EIRGRID.
10. FINAL POSITION OF C2 CHAMBER SHALL BE AGREED WITH EIRGRID.

DRAWN:

GENERAL NOTES

DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

1. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
2. DRAWINGS ARE NOT TO BE SCALED.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.

R1	CD	JB	NOTES UPDATED	14/03/25
Rev.	Drawn	Chkd	Details of Revision	Date

CLIENT:

Garrane Green Energy



PROJECT:

GARRANE 110kV SUBSTATION



DRAWN: CD	DATE: 19/11/24	JOB No.: P-3337
CHKD: JB	SCALE: NTS	A3

TITLE:

C2 CHAMBER TYPICAL DETAILS

DRAWING STATUS: INFORMATION	ISSUE: R1
-----------------------------	-----------

SUIR ENG. DRAWING No.: 3337-SUIR-GR-DR-C-3003

DRG. ORIG.: NA	ORIG. DRG. No.: NA
----------------	--------------------

This drawing is the property of Suir Engineering and shall not be used, reproduced or disclosed to anyone without the prior written permission of Suir Engineering and shall be returned upon request.