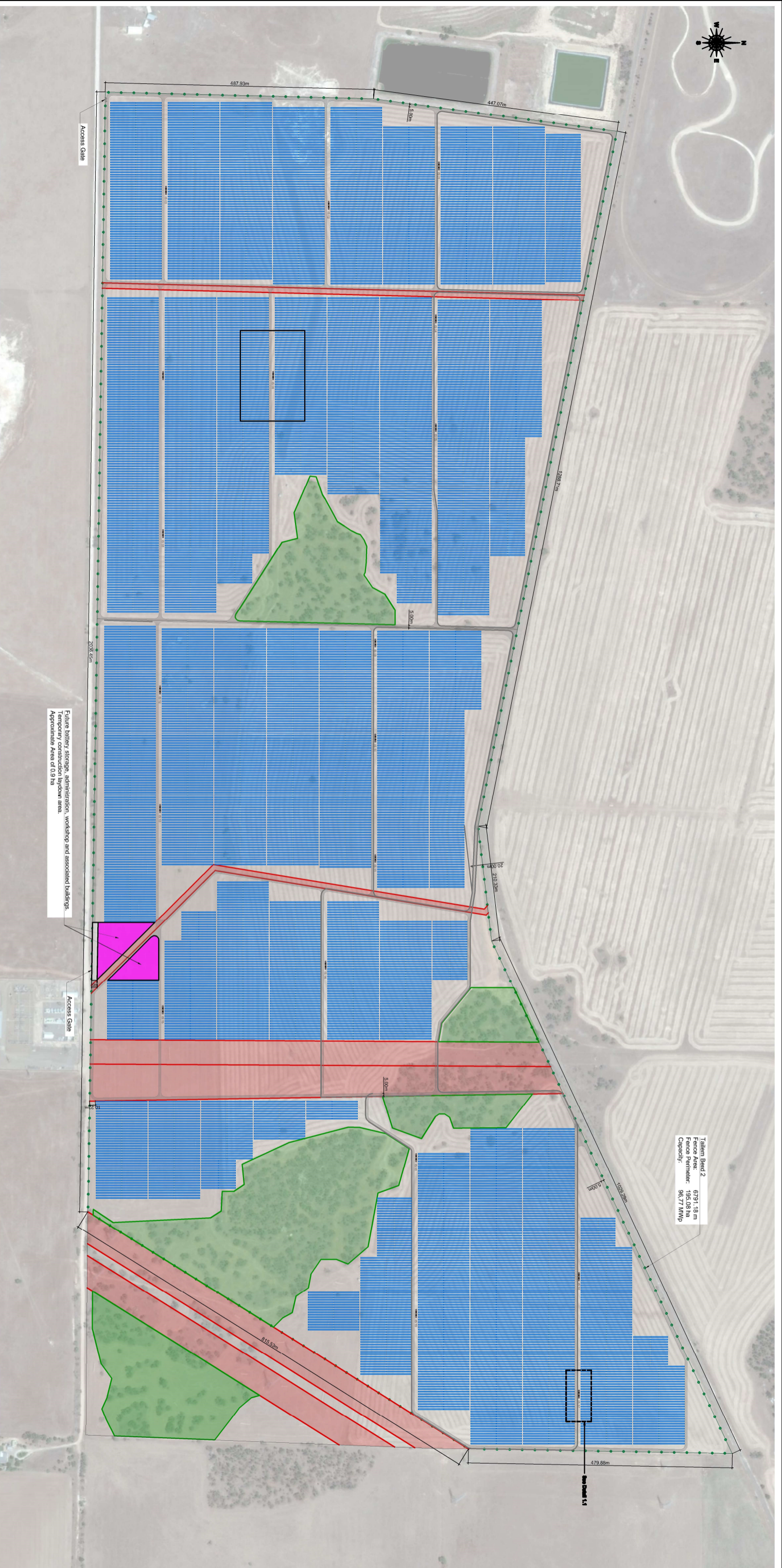
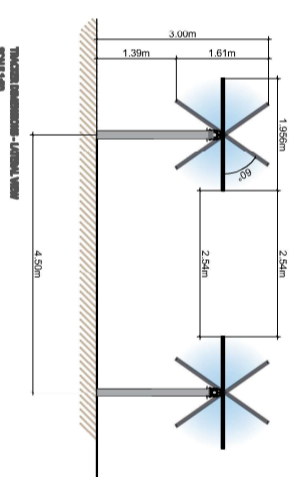
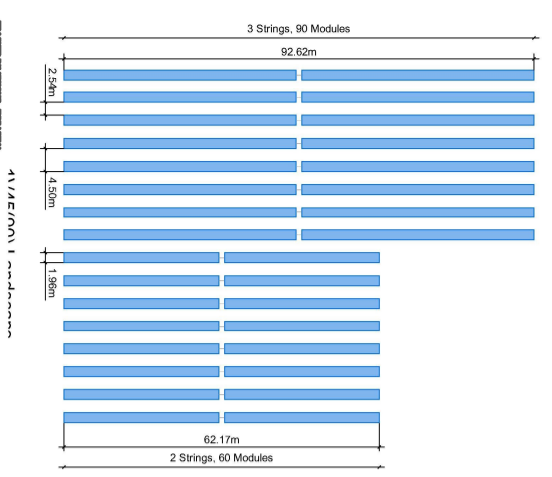


## **Appendix D. Proposed Development Indicative Layout and Preliminary Design Drawings**



Taliam Bend 2  
 Fence Area: 6791.18 m  
 Fence Perimeter: 185.08 ha  
 Capacity: 96.77 MWp

Future battery storage, administration, workshop and associated buildings.  
 Capacity: 96.77 MWp  
 Approximate Area of 0.13 ha



| PROJECT: TALIAM BEND 2 PROJECT |                       |
|--------------------------------|-----------------------|
| COMPOUND                       | SCALE 5:1000          |
| SITE AREA                      | 281 ha                |
| FENCE AREA                     | 185.08 ha             |
| PV AREA                        | 142 ha                |
| BATTERY AREA                   | 0.13 ha               |
| MODULES                        | 744,000 (1800/1100)   |
| MODULE POWER                   | 300 Wp                |
| MODULE DIMENSIONS              | 1800 x 1100 mm        |
| NUMBER OF MODULES              | 2,480,000             |
| STANDARD                       | 50 (per string)       |
| ARRAY LAYOUT                   | 1800/1100             |
| ROWING SYSTEM                  | 78-4-40               |
| MODULE ORIENTATION             | 2.81                  |
| ROW TO ROW CLEARANCE           | 4.00 m                |
| PITCH                          | 2.81                  |
| POWER PER ROW                  | 81.121 MW             |
| NUMBER OF STRINGS              | 2912 (2912) x 2912    |
| TOTAL DC POWER                 | 96.77 MWp             |
| INVERTER                       | Quantity: 1000 (2000) |
| INVERTER                       | 96.77 MWp (2000)      |
| AC POWER @ 50 C                | 127.5                 |
| DC/AC RATIO                    | 1.275                 |

**SUPERSEDED**  
 Refer to Amended Plans  
 21 Feb 2018

| NO. | REVISION                  | DATE       | BY  | CHKD BY |
|-----|---------------------------|------------|-----|---------|
| 001 | ISSUED FOR PERMIT         | 15/01/2018 | ... | ...     |
| 002 | REVISED PERMIT CONDITIONS | 15/01/2018 | ... | ...     |
| 003 | REVISED PERMIT CONDITIONS | 15/01/2018 | ... | ...     |

IS 12

IS 13

IS 15

TAILEM BEND 2

TAILEM BEND 1

SUBSTATION ROAD

Underground Cable Route  
Option A

10-20 m

Tailem Bend 1 Substation

Underground Cable Route  
Option B

10-20 m

SNOWY HYDRO DIESEL PLANT

ELECTRANET PROPERTY

ELECTRANET SUBSTATION

COMPOUND AND LAYDOWN AREA 1

COMPOUND AND LAYDOWN AREA 2

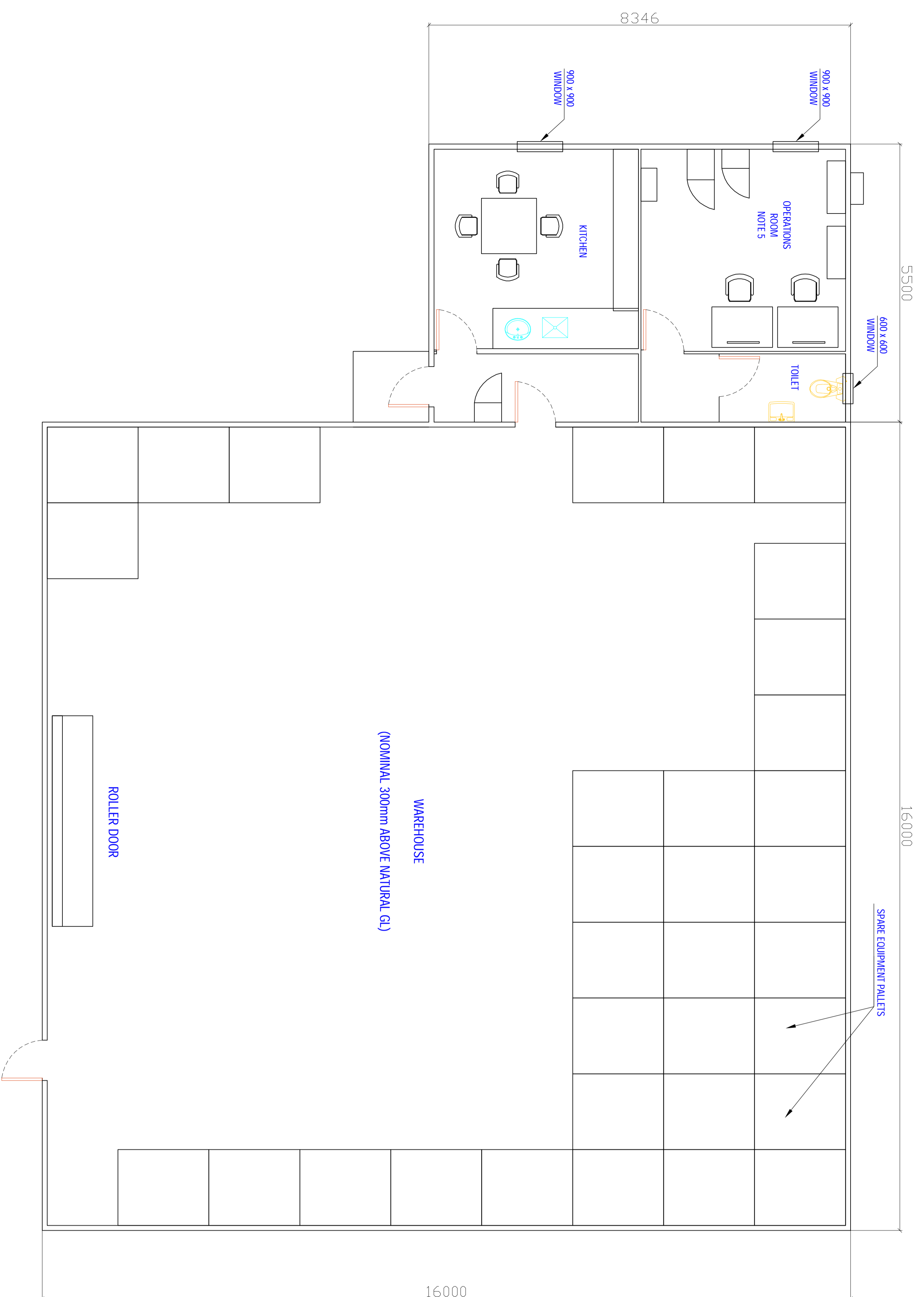
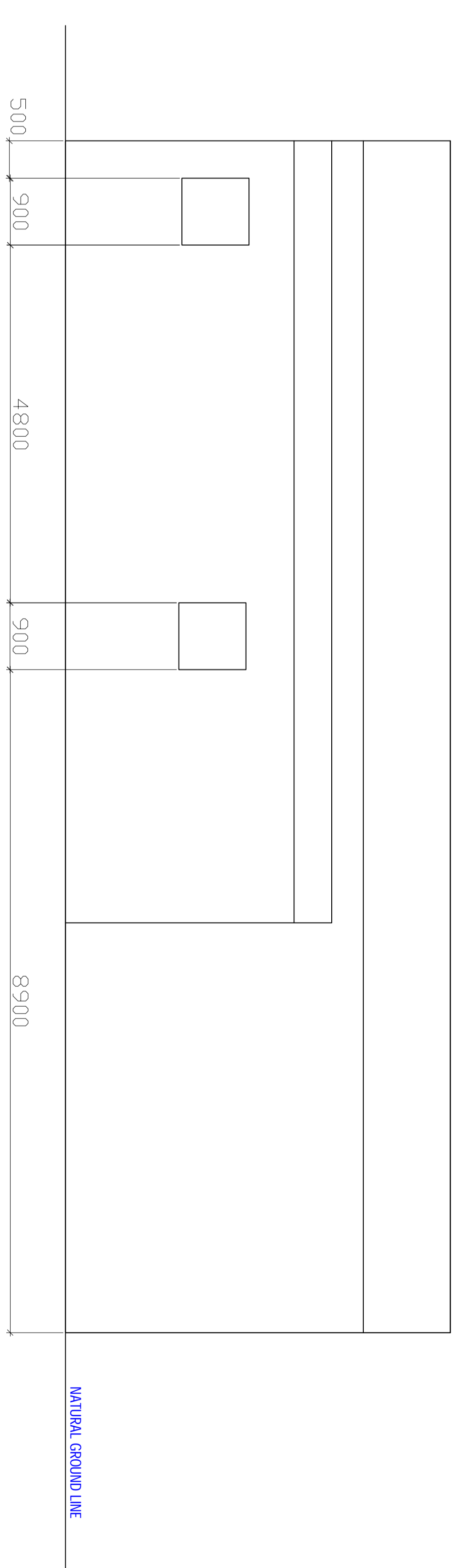
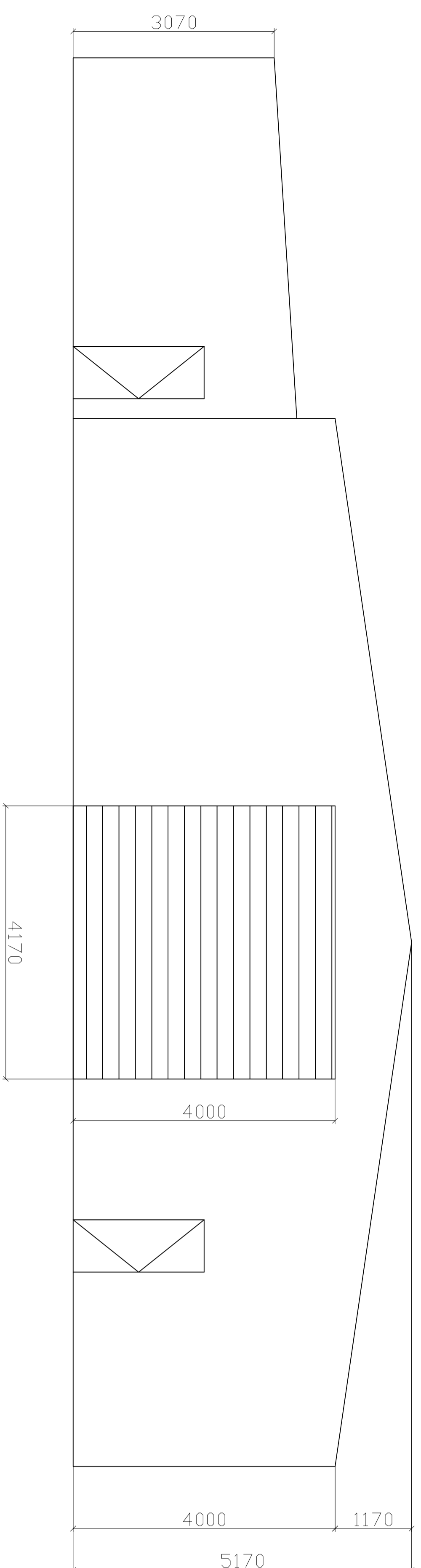
EXISTING EASEMENT

EXISTING EASEMENT

NOTE:

Boundaries are indicative only.  
Subject to survey.

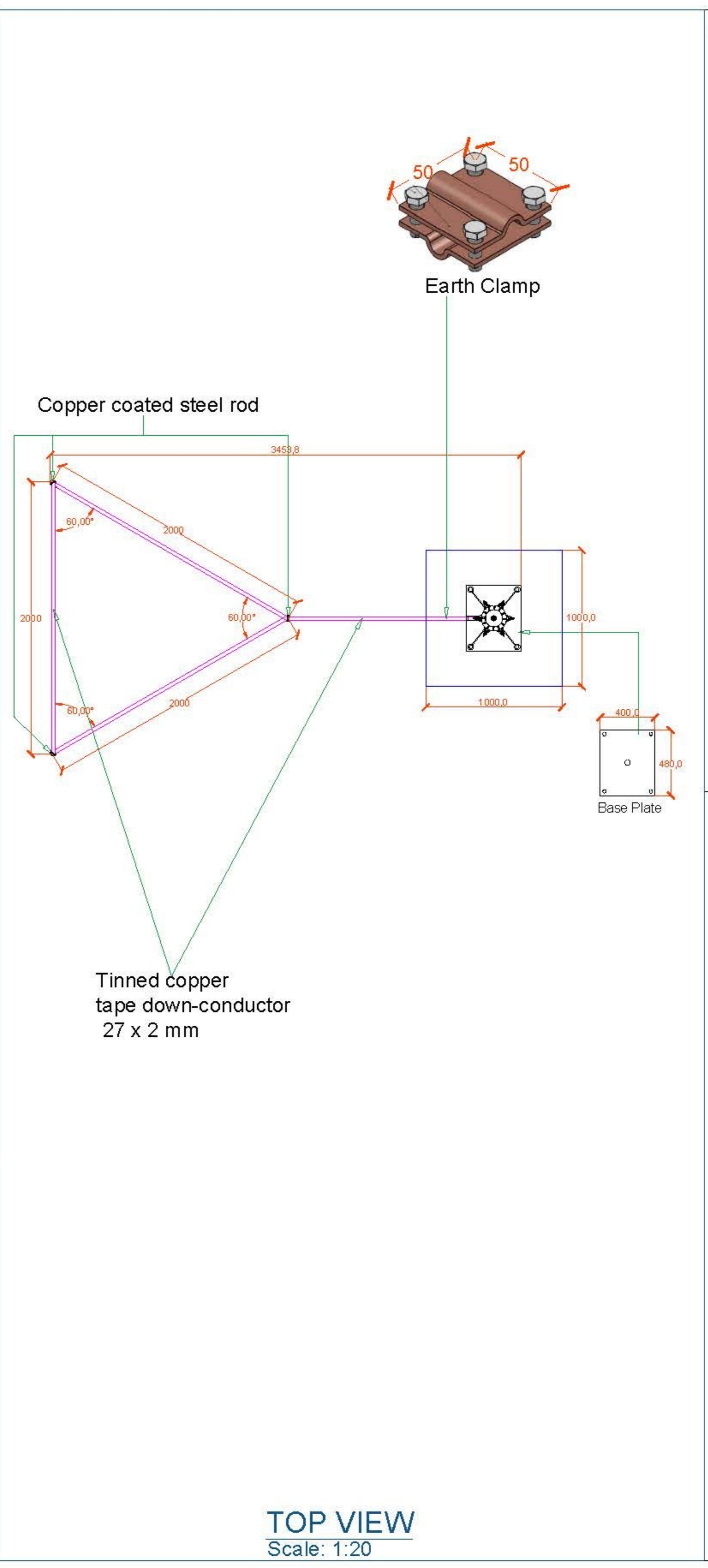
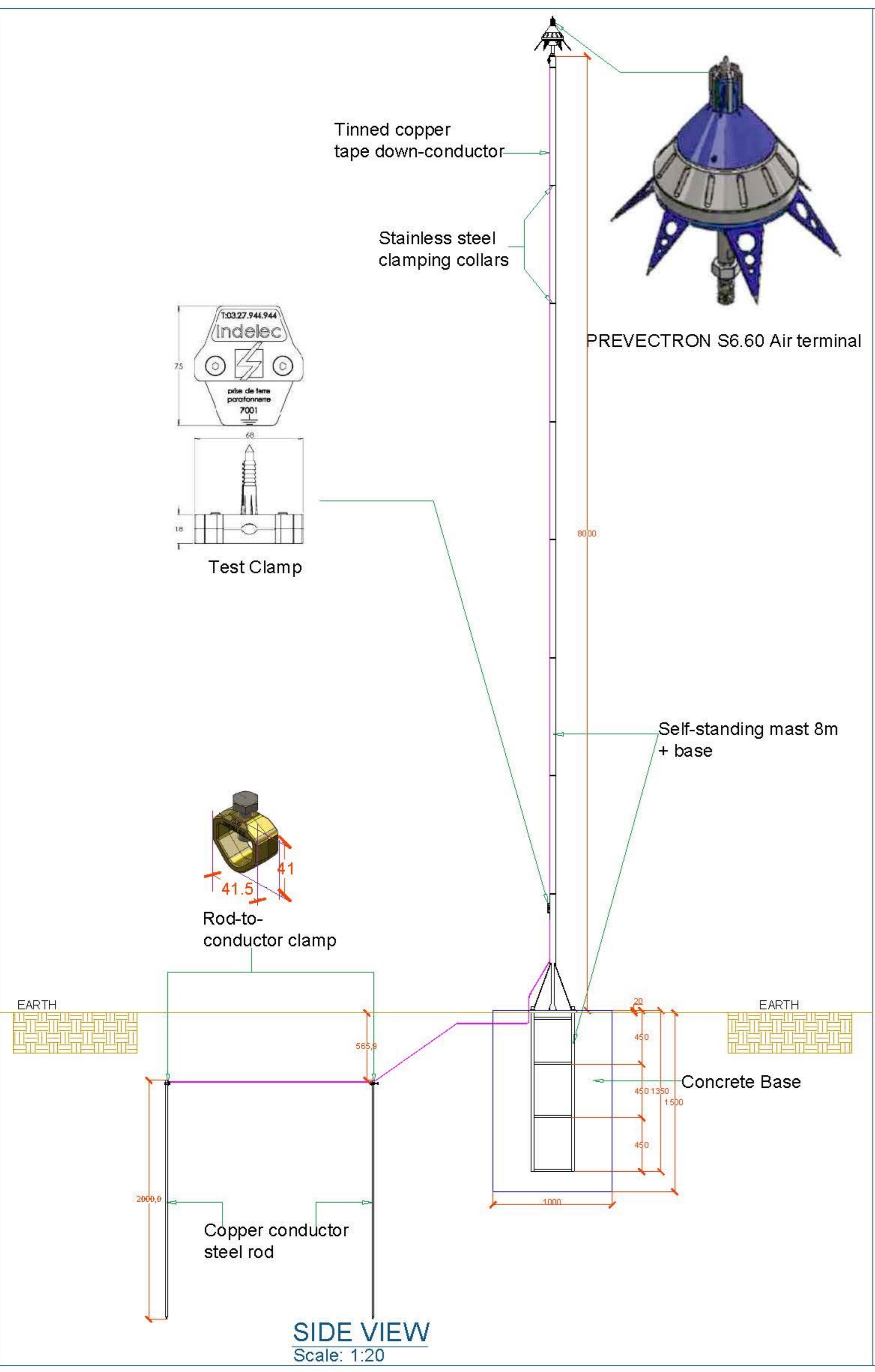
|                     |                          |
|---------------------|--------------------------|
| PROJECT INFORMATION |                          |
| Project Name        | TAILEM BEND 1 SUBSTATION |
| Client              | ELECTRANET               |
| Scale               | AS SHOWN                 |
| Date                | 2024-08-15               |
| DESIGNER            |                          |
| Name                | J. SMITH                 |
| Position            | ENGINEER                 |
| CHECKER             |                          |
| Name                | M. JONES                 |
| Position            | ENGINEER                 |
| APPROVER            |                          |
| Name                | D. BROWN                 |
| Position            | MANAGER                  |



- NOTES:
1. WALL AND ROOF SHEETING FINISHED WILDERNESS GREEN.
  2. WALL COVERING ARE COLORBOND SHEET
  3. SECURITY BARS ACROSS THE WINDOWS SHALL BE PROVIDED.
  4. W.C. ENTRY AND WAREHOUSE ARE NATURALLY VENTILATED.
  5. LAYOUT OF CONTROL ROOM PANELS/FURNITURES INDICATIVE.
  6. FOR LIGHT, POWER AND COMMUNICATION DETAILS REFER DRAWING (TBC)
  7. FOR HYDRAULIC PLAN AND DETAILS REFER DRAWINGS (TBC)

|  |                       |   |                                |
|--|-----------------------|---|--------------------------------|
|  |                       | Level 12, 200 Mary Street, Brisbane<br>Queensland QLD 4000<br>Australia | DATE: 15/11/2017<br>SCALE: NTS |
| PROJECT NUMBER: XXXX                                       | PROJECT: TALEM BEND 2 | PROJECT LOCATION: 35,270th S, 139,480th E AUSTRALIA                     | STATE: PRELIMINARY<br>REV: 00  |
| DRAWING TITLE: TYPICAL ADMINISTRATION AND CONTROL BUILDING |                       | DRAWING NUMBER: XX  | SHEET: 1                       |

C:\Users\WDRKSTAD\OneDrive\Desktop\MASTER LIST\Electrical\SDPP-PP-BY-SDM-EL-6300-X (Lightning plant Layout & detail).dwg 07.3.16 11:34



NOTES:  
1. ALL UNITS ARE IN MM, UNLESS OTHERWISE SPECIFIED  
2. FOR MATERIAL DETAILS REFER TO SQPD-PO-BY-PTS-EL-0555-A

| Designation                                  | Qty per Unit | TOTAL | Units  |
|--|--------------|-------|--------|
|  |              | 22    |        |
| PREVECTRON S6.60 Air terminal                | 1            | 22    | pcs.   |
| Self-standing mast 8m + base                 | 1            | 22    | pcs.   |
| Stainless steel clamping collars 100mm       | 25           | 550   | pcs.   |
| Tinned copper tape down-conductor (50m drum) | 20           | 440   | meters |
| Test clamp                                   | 1            | 22    | pcs.   |
| Copper coated steel rod 2m                   | 3            | 66    | pcs.   |
| Rod-to-Conductor clamp                       | 3            | 66    | pcs.   |
| Earth clamp                                  | 1            | 22    | pcs.   |

| X AS BUILT   | W. GUANZON | 17/02/16 | CLS      | 17/02/16 |
|--|------------|----------|----------|----------|
| B MODIFICATION OF LIGHTNING PROTECTION SYSTEM FOUNDATION | W. GUANZON | 14/01/15 | CLS      | 14/01/15 |
| A FIRST ISSUE  | W. GUANZON | 02/06/15 | CLS      | 02/06/15 |
| Nº Modifications   | Made by    | Date     | Check by | Date     |

Customer:

Nº of Project:

EPC Contractor:

Title document:  
**LIGHTNING PROTECTION SYSTEM  
DETAILS**

| Drawn By: | Checked By: | Approved By: | Date     | Scale | Format | Sheet |
|-----------|-------------|--------------|----------|-------|--------|-------|
| WLG       | CLS         | JMC          | 17/02/16 | NTS   | A1     | 2/3   |