

KEY PLAN

Scale - 1:350

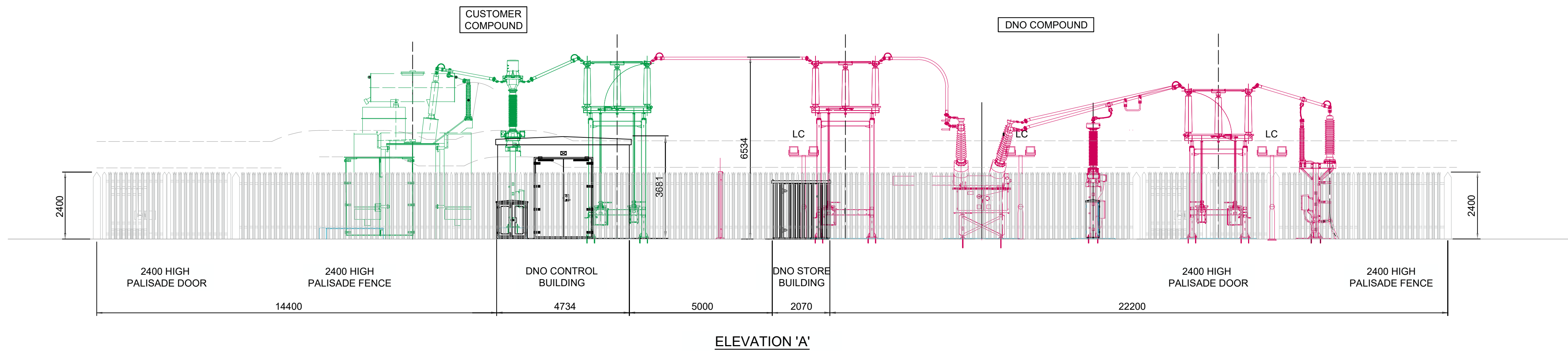
CLEARANCES FOR BUSBARS AND CONNECTIONS IN ACCORDANCE WITH WPD SAFETY RULES AND BS EN 61936-1:2010

| | | |
|---|---|--------|
| 1 | VOLTAGE BETWEEN PHASES | 132kV |
| 2 | MINIMUM CLEARANCE BETWEEN LIVE METAL AND EARTH | 1300mm |
| 3 | MINIMUM CLEARANCE BETWEEN LIVE METAL OF DIFFERENT PHASES | 1300mm |
| 4 | MINIMUM TOTAL AIR GAP BETWEEN TERMINALS OF THE SAME POLE OF ISOLATORS | 1400mm |
| 5 | GAP BETWEEN LIVE AND EARTHED ARCING HORNS OR RINGS | 990mm |
| 6 | MINIMUM SAFETY CLEARANCE (VERTICAL) BETWEEN LIVE METAL AND POSITIONS TO WHICH ACCESS IS PERMISSIBLE WITH OTHER EQUIPMENT LIVE | 3500mm |
| 7 | MINIMUM SAFETY CLEARANCE (HORIZONTAL) BETWEEN LIVE METAL AND POSITIONS TO WHICH ACCESS IS PERMISSIBLE WITH OTHER EQUIPMENT LIVE | 2900mm |
| 8 | MINIMUM CLEARANCE BETWEEN ANY SUBSTATION EQUIPMENT AND THE SUBSTATION FENCE | 2000mm |
| 9 | MINIMUM INSULATION HEIGHT (PEDESTRIAN CLEARANCE) | 2550mm |

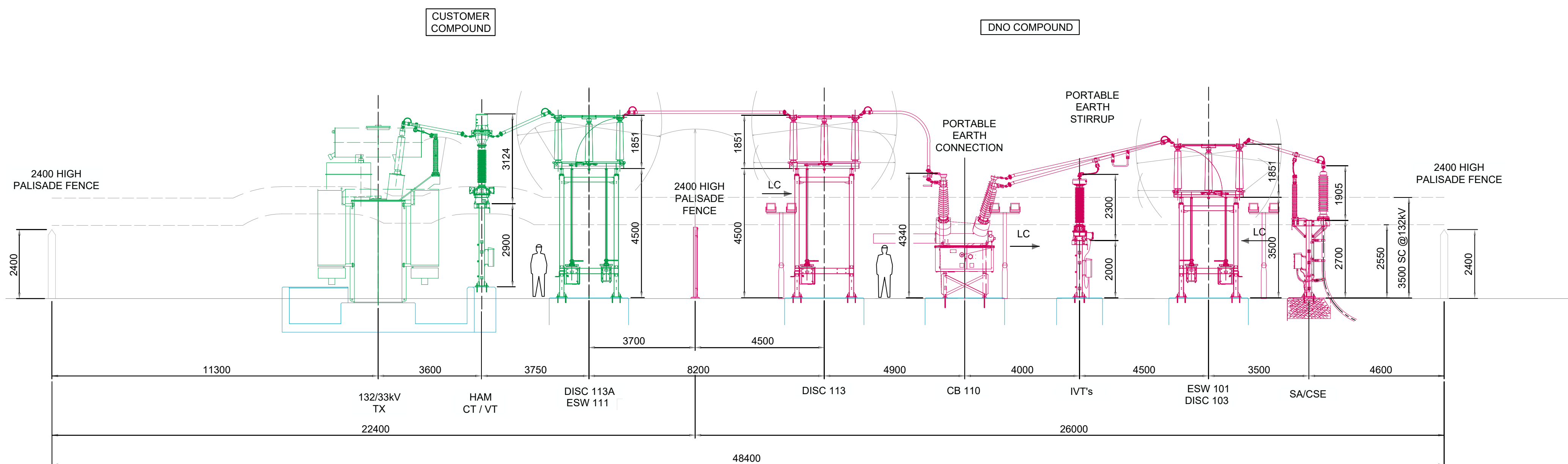
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND SPECIALISTS DRAWINGS & SPECIFICATIONS.
2. ANY DISCREPANCIES BETWEEN THIS DRAWING AND ANY OTHER TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. ALL WORKS TO COMPLY WITH THE MOST CURRENT BRITISH STANDARDS.
4. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE. USE FIGURED DIMENSIONS ONLY.
5. ALL DIMENSIONS TO BE $\pm 3\text{mm}$ UNLESS SPECIFIED OTHERWISE.
6. A RECESSIVE COLOUR SUCH AS GREY IS PROPOSED, BUT CAN BE AGREED WITH OFFICERS.

LEGEND:

- NEW DNO EQUIPMENT
- NEW CUSTOMER EQUIPMENT
- NEW FOUNDATIONS
- LC LC LIGHTING COLUMN - 3m MID HINGED

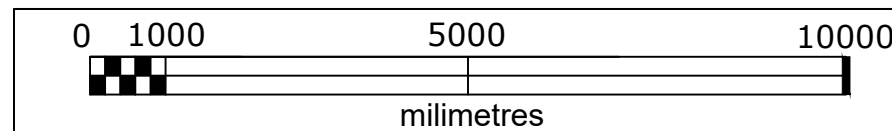


ELEVATION 'A'



SECTION 'B'-B'

Scale - 1:100



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|--|----------------------------------|-----------|--------------|------------|
| Project: Newfields Farm BESS | | | | |
| Drawing name: Elevations and Sections of 132kV Metering Substation | | | | |
| 88-10-05-PL-SS-ELV-01 | Drawn: | REN | | |
| R.06 | Acoustic Fence Removed | | | 19.02.2025 |
| R.05 | DNO Building Elevation | | | 26.04.2024 |
| R.04 | Acoustic Fence Added | | | 12.04.2024 |
| R.03 | Text Related to Scaling Modified | | | 19.01.2024 |
| R.02 | Sections Modified | | | 13.03.2023 |
| R.01 | Scale Bar Added | | | 05.10.2022 |
| R.00 | First Issue | | | 21.03.2022 |
| Revision | Description | Date | | |
| Discipline: | Electrical | Phase: | FOR PLANNING | Format: A1 |
| Scale: | 1:100 | Sheet No: | 01 / 03 | |
| Client: RE Project Development Limited | | | | |



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