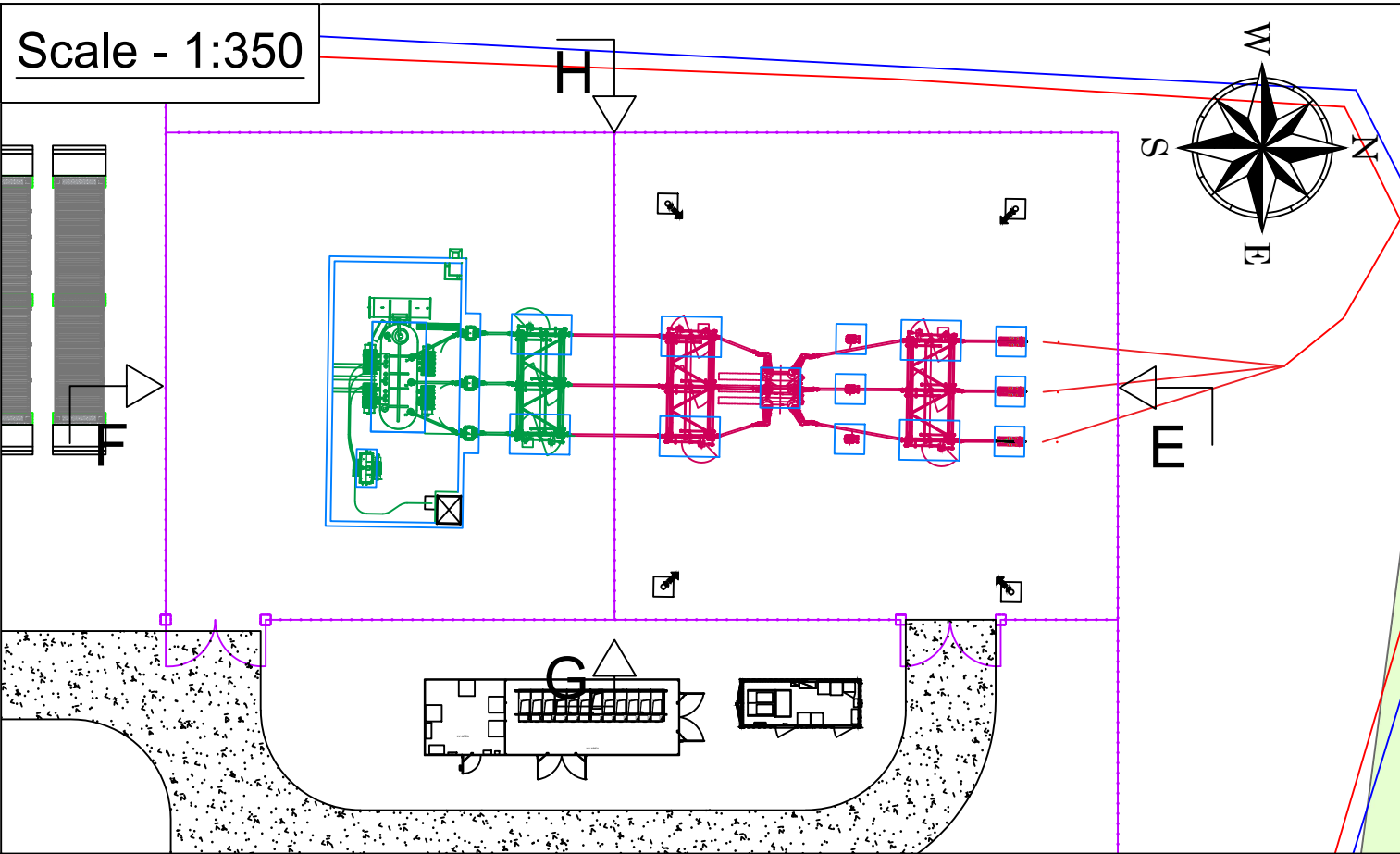




KEY PLAN

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

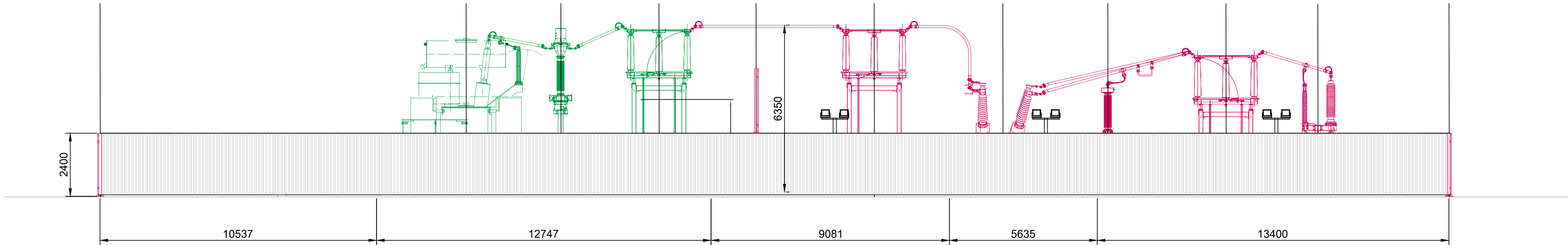
1	VOLTAGE BETWEEN PHASES	132kV
2	MINIMUM CLEARANCE BETWEEN LIVE METAL AND EARTH	1300mm
3	MINIMUM CLEARANCE BETWEEN LIVE METAL OF DIFFERENT PHASES	1300mm
4	MINIMUM TOTAL AIR GAP BETWEEN TERMINALS OF THE SAME POLE OF ISOLATORS	1400mm
5	GAP BETWEEN LIVE AND EARTHED ARCING HORNS OR RINGS	990mm
6	MINIMUM 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. NO DIMENSIONS ARE TO BE SCALED OFF THE DRAWING. 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

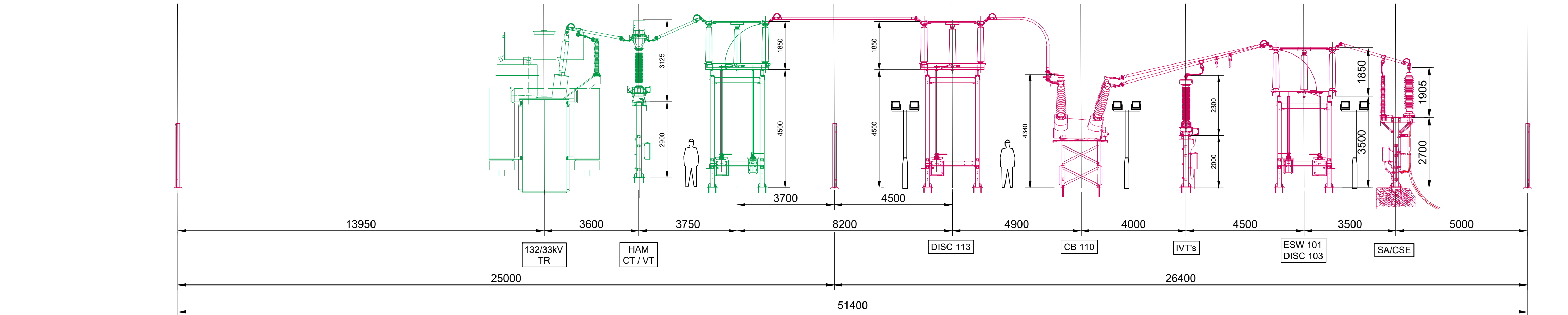
Elevation Switchyard



CUSTOMER COMPOUND

ELEVATION G

DNO COMPOUND



SECTION G

Plan Switchyard

Scale - 1:100

Project: Newfields Farm BESS				
Drawing name: Elevations and Sections of 132kV Substation				
88-10-05-PL-SS-ELV-01				Drawn: REN
R.00 First Issue				Date: 21.03.2022
Revision	Description			Date
Discipline: Electrical	Phase: Preliminary Design	Format: A1	Scale: 1:100	Sheet No: 01 / 05
Client: REPD				



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