

Legend	
LM	LIGHTING MAST
SA	SURGE ARRESTER
VT	VOLTAGE TRANSFORMER
CT	CURRENT TRANSFORMER, SINGLE PHASE
PI	POST INSULATOR
LT	LINE TRAP (TYPICALLY R & T PHASES)
DL/DE	LINE/EARTH DISCONNECT
DT/DEM4	TRAF0/EARTH DISCONNECT
CB	CIRCUIT BRAKER
DA	BUSBAR DISCONNECT
DB	BUSBAR DISCONNECT
SA1/SA2	SECTIONALISER DISCONNECT
SB1/SB2	

Note 1:
All dimensions and references given are indicative only. Layout to be further optimised during detail design pending specific equipment supplier and site details.

Note 2 (as illustrated on drawing):
The low level T & S phase bay conductors are arranged closer together to avoid unnecessary proximity outages on adjacent bays. To be repeated for all bays.

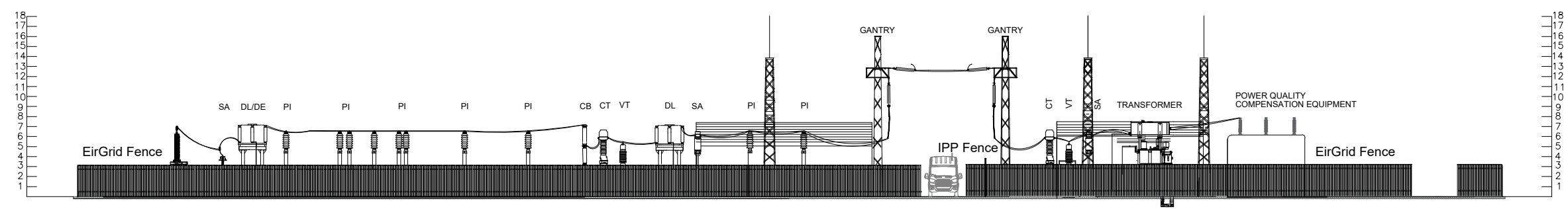
Note 3 (as illustrated on drawing):
Independent supported span on low level bay conductors between DA and DB. The connection at the PI should be able to be broken to allow the link between DA and DB to be disconnected.

Note 4 (as illustrated on drawing):
Distance between CT and CB on wing coupler to be a minimum of 6.5m from the busbar side of the open disconnect. Distance between disconnect and adjacent low level bay conductor to be a minimum of 6.5m.

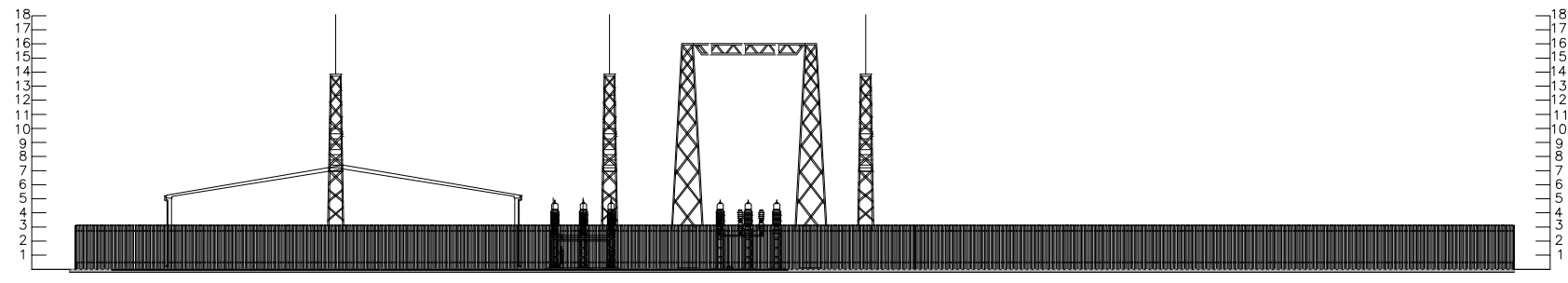
Note 5 (as illustrated on drawing):
6.5m distance required between busbar and CB on each bay.

Note 6 (as illustrated on drawing):
Diesel generator and station rural feeding arrangement shall be in line with Eirgrid station auxiliary power supplies specification.

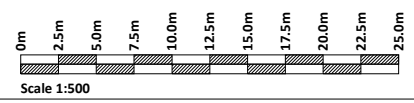
- Notes.**
1. This drawing is for planning purposes only.
 2. Dimensions in meters unless otherwise noted.
 3. Levels shown relative to ordnance datum (Malin Head).
 4. Co-ordinates are to Irish Transverse Mercator (ITM).



COMPOUND ELEVATION - SOUTH
Scale 1:500



COMPOUND ELEVATION - WEST
Scale 1:500



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Rev.	Description	App By	Date
A	ISSUE FOR APPROVAL	JH	15.12.21
B	ISSUE FOR PLANNING	JH	25.01.22

PROJECT	BALLINAGREE WIND FARM			CLIENT	BALLINAGREE WIND DAC		
	SHEET	PROPOSED ONSITE SUBSTATION - COMPOUND ELEVATIONS			Date	Project number P2114	Scale (@ A3-) 1:###
					Drawn by NS	Drawing Number P2114-0300-0002	Rev B
					Checked by TB		

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