

LEGEND	
LM	LIGHTNING MAST
CSE	CABLE SEALING END
SA	SURGE ARRESTOR
VT	VOLTAGE TRANSFORMER
CT	CURRENT TRANSFORMER, SINGLE PHASE
CB	CIRCUIT BREAKER
PI	POST INSULATOR
DL/DE	LINE/EARTH DISCONNECT
DT/DEM4	TRAF/O/EARTH DISCONNECT

NOTE 1:
THIS IS A CONCEPTUAL DESIGN FOR GUIDANCE ONLY. ALL DIMENSIONS AND REFERENCES GIVEN ARE INDICATIVE ONLY. LAYOUT TO BE FURTHER OPTIMISED DURING DETAILED DESIGN PENDING SPECIFIC EQUIPMENT SUPPLIER AND SITE DETAILS.

NOTE 2:
RELOCATION OR ADDITIONAL POST INSULATORS MAY BE REQUIRED, SUBJECT TO DETAIL DESIGN. NOT SHOWN FOR CLARITY.

NOTE 3:
VEHICULAR ACCESS TO ALL HV PLANT SHALL BE PERMITTED WITHOUT THE NEED FOR UNNECESSARY PROXIMITY OUTAGES. CONSIDERATION OF LV CABLE TRENCH LAYOUTS AND TRAFFIC-BEARING TRENCH COVERS SHALL BE CONSIDERED DURING DETAILED DESIGN.

NOTE 4:
LIGHTNING MAST, LV TRENCH DUCT ROUTES, MARSHALLING/INTERFACE CABINETS AND LIGHTING FIXTURES SHALL BE CONSIDERED DURING DETAIL DESIGN.

NOTE 5 (AS ILLUSTRATED ON DRAWING):
6500mm DISTANCE REQUIRED BETWEEN CB AND LINE SIDE OF OPEN DISCONNECT.

NOTE 6 (AS ILLUSTRATED ON DRAWING):
DIESEL GENERATOR AND STATION RURAL FEEDING ARRANGEMENT SHALL BE IN LINE WITH EIRGRID STATION AUXILIARY POWER SUPPLIES SPECIFICATION.

NOTE 7 (AS ILLUSTRATED ON DRAWING):
REQUIREMENT FOR SURGE ARRESTERS IN CUSTOMER COMPOUND TO BE DETERMINED BASED ON INSULATION CO-ORDINATION STUDY. PLEASE NOTE, NO HV INSTRUMENT TRANSFORMERS HAVE BEEN INCLUDED IN THE CUSTOMER COMPOUND.

NOTE 8:
MINIMUM ELECTRICAL CLEARANCES SHALL COMPLY AS OUTLINED IN EIRGRID GENERAL REQUIREMENTS SPECIFICATION XDS-GFS-00-001.

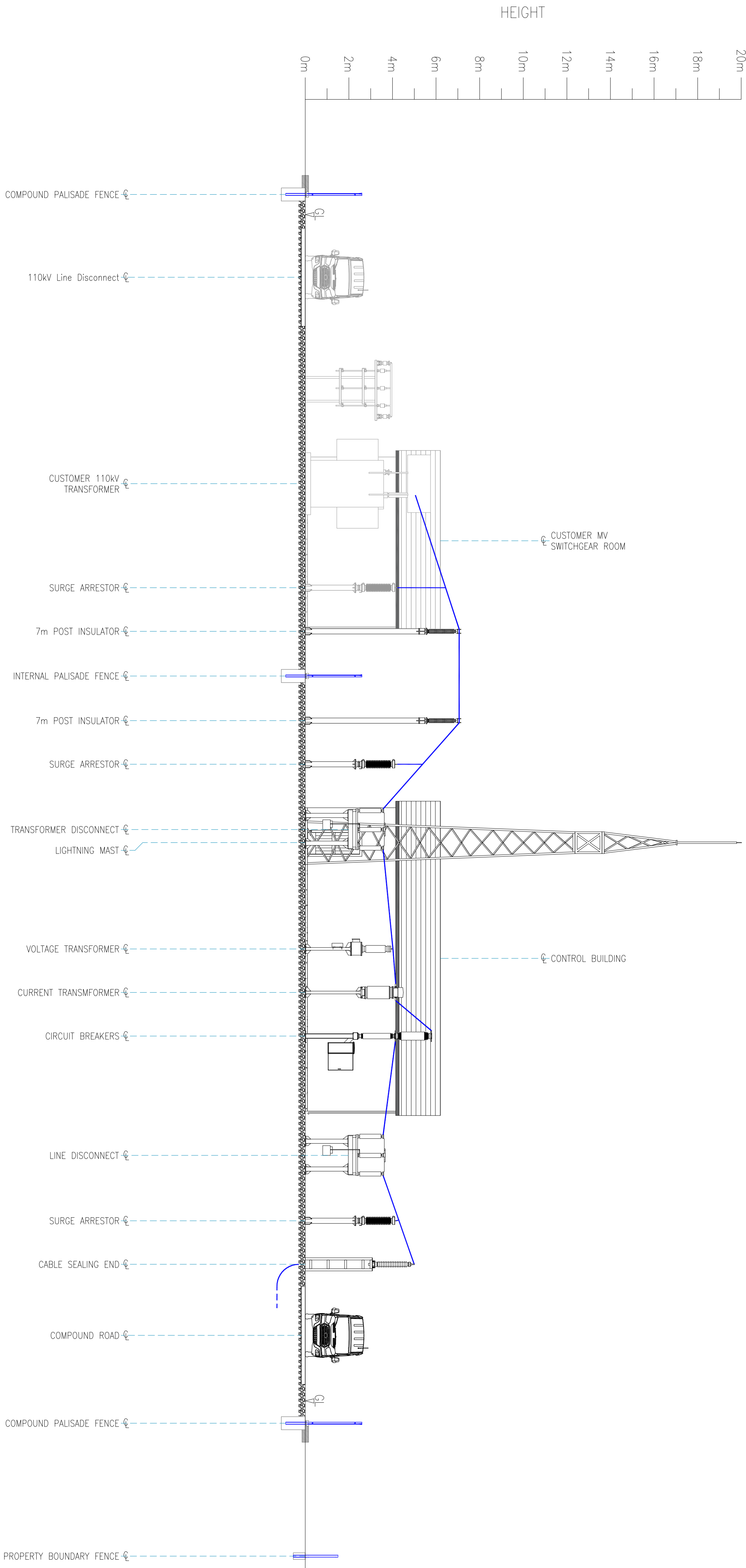
NOTE 9 (AS ILLUSTRATED ON DRAWING):
A DETAILED ARRANGEMENT TO PREVENT PROPERTY BOUNDARY BEING USED AS A CLIMBING AID TO BE AGREED WITH EIRGRID.

NOTE 10 (AS ILLUSTRATED ON DRAWING):
LOCATION AND DETAIL OF CUSTOMER TRANSFORMERS IS INDICATIVE ONLY. CUSTOMER SHALL IDENTIFY A SUITABLE LOCATION, TAKING INTO ACCOUNT CABLE LAYOUT DESIGN AND INSTALLATION CONSTRAINTS. CUSTOMER SHALL DEVELOP THEIR OWN SPECIFIC LAYOUT FOR TRANSFORMERS.

NOTE 11 (AS ILLUSTRATED ON DRAWING):
FOR CUSTOMER PROJECTS, THE INTERFACE KIOSKS SHALL BE INCORPORATED INTO THE FENCE.

03	NEW BAY EQUIPMENT, CONTROL ROOM INTERNALS INCLUDED.	DA	NK	CF	18/10/2019
02	MINIMUM SITE DIMENSIONS UPDATED.				
01	CONTROL ROOM RESIZED, CT & VT ADDED TO CUSTOMERS COMPOUND & NOTE 3 ADDED.	JB	RB	PM	05/09/2014
00	TRAFIC & LINE EARTH SWITCHES UPDATED	JB	RB	PM	09/09/2013
REV	REVISION	DATE	BY	CHKD	DATE
00	REVISION	DATE	BY	CHKD	DATE

EIRGRID The Grid, 160 Shelburne Road, Sellingdale, Dublin 4, Ireland Telephone: +353 1 697 1700 Fax: +353 1 697 1530 Email: info@eirgrid.com Web: www.eirgrid.com		PROJECT 110kV STATION DESIGN STANDARD AIS TAIL STATION SINGLE TRANSFORMER BAY TAIL STATION LAYOUT DRAWING	
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00	TRAFO & LINE EARTH SWITCHES UPDATED	JB	RB	PM	22/01/2013
00	FIRST ISSUE				
REV					
ISS					

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SECTION A-NTS