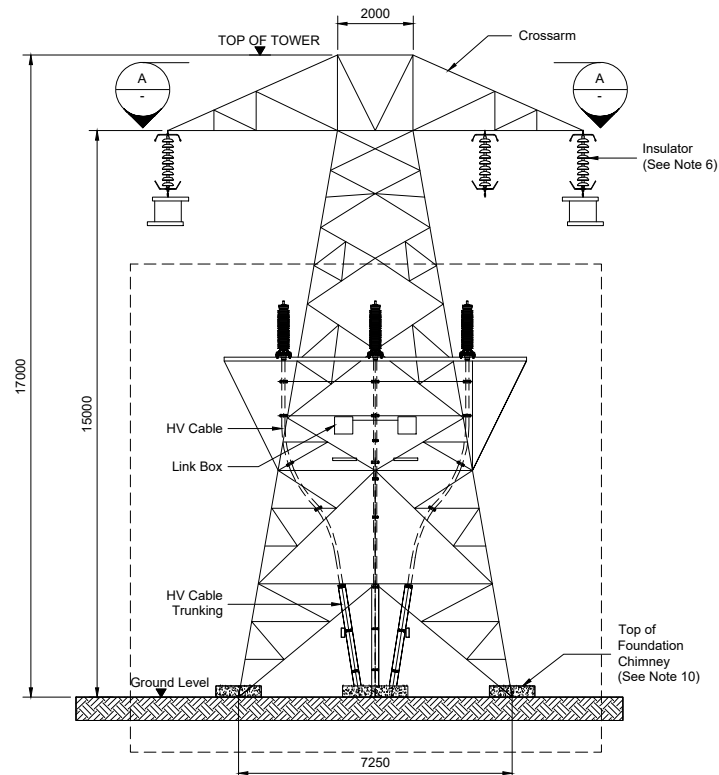
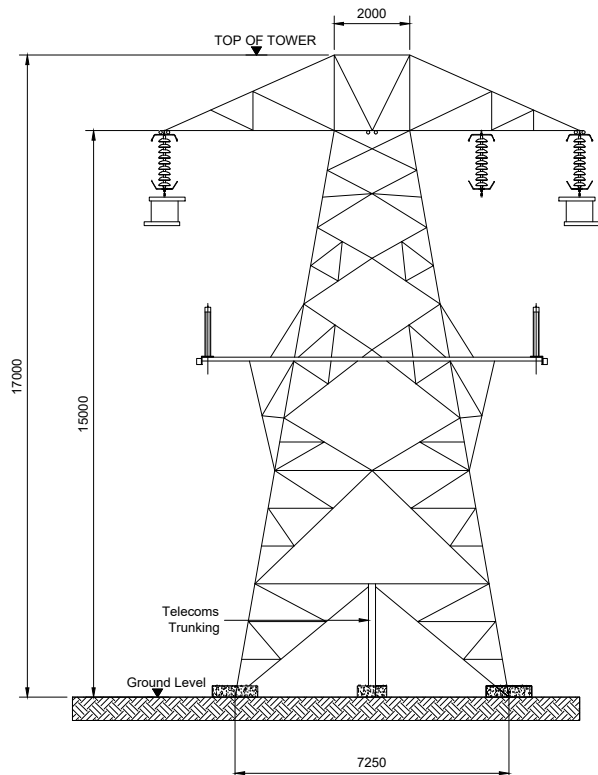
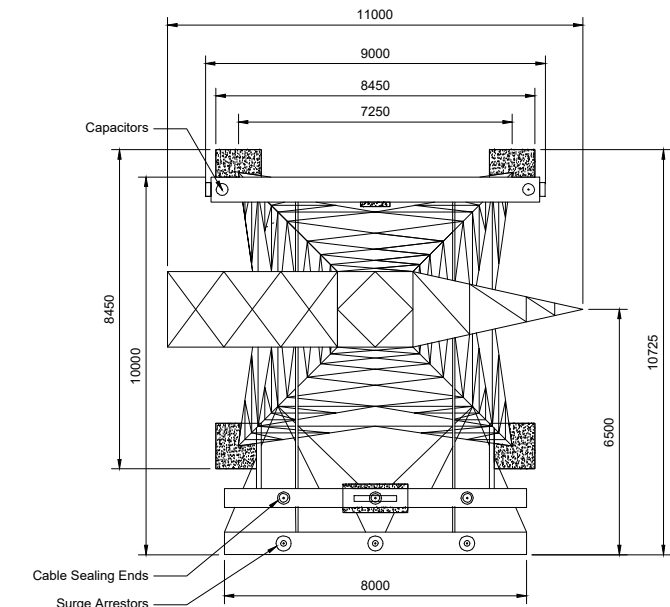
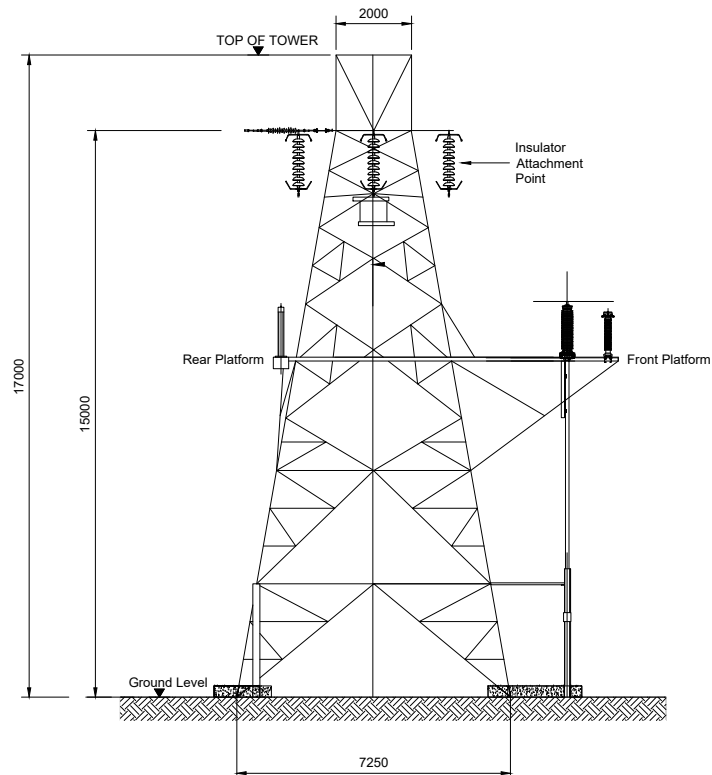




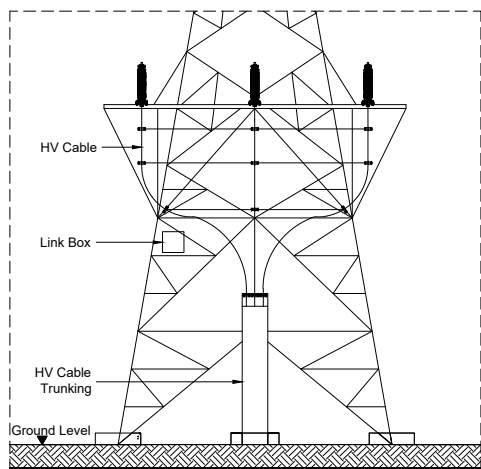
Front Elevation
(Rear Platform Removed for Clarity)



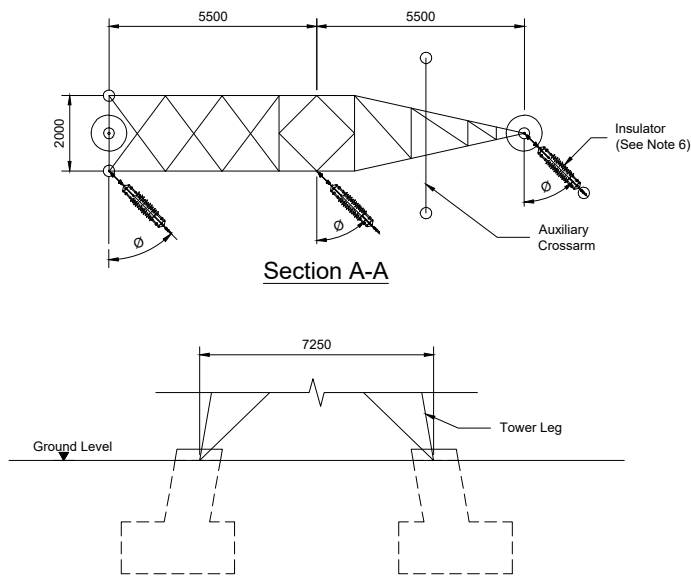
Rear Elevation
(Front Platform Removed for Clarity)



Plan View
(Insulators & Auxiliary
Crossarm Removed for Clarity)

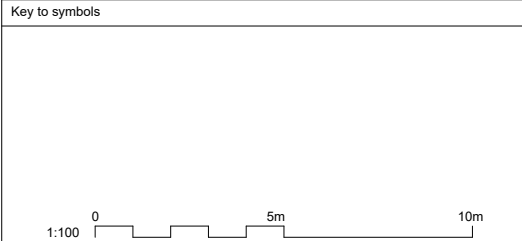


Variation on Trunking
Front Elevation
(See Note 7)



Typical Tower Foundation Detail
Applicable to any Tower Height
(See Notes 8 & 9)

- Notes
1. Tower height is always measured from the ground line at the centre of the structure.
 2. This drawing is indicative of the assembly of ancillary equipment on the line/cable interface mast.
 3. Equipment and equipment layout may change depending on supplier.
 4. Internal bracing may change depending on tower supplier.
 5. Actual dimensions may be less than shown on drawing, depending on tower supplier.
 6. Orientation of the insulator in plan "Ø" will typically vary between 0° & 45° at any tower location. The insulator arrangement shown is typical and bespoke arrangements may be required at specific locations.
 7. Depending on cable size, a variation in the cable trunking arrangement may be used.
 8. Foundations typically consist of a pad and chimney mass concrete foundation at each tower leg. Founded typically 3.0m to 3.5m below ground. Plan dimensions of the pad typically vary from 2.5m x 2.5m to 5m x 5m. See typical tower foundation detail for reference. During construction, the sides of the foundation excavation may be either stepped back or supported by sheet piling depending on soil condition.
 9. Where poor ground is encountered, piled foundations are typically used in conjunction with four pile caps connection to each other using concrete ground beams. However, alternative solutions may also be used such as imported backfill, ground re-inforcement and/or larger/deeper foundations. In such cases, the extent of the foundations above ground may exceed that shown on the drawing.
 10. Foundation chimney height above ground ground is typically 0.3m. Where tower is installed on sloping ground, a portion of one or more legs may be buried under ground by up to 1m. In such cases, the concrete foundation chimney will be extended upwards to cover the portion of any leg underground, while still extending 0.3m above ground level. The chimney will also extend horizontally to cover any braces connected to the buried leg.
 11. Where a tower is located in an area often frequented by the public, anti-climbing guards will be attached to the tower. These are typically located 2 to 4 metres above ground level and consist of strands of barbed wire supported by a steel frame extending out from the tower frame.
 12. All dimensions in millimetres unless stated otherwise.



Reference drawings

229101684-MMD-00-XX-DR-C-0120 Site Layout - Key Plan
229101684-MMD-00-XX-DR-C-0130 Contiguous Site Elevations

PL1	12/12/2025	M.O.F.	Issued for Planning	GR	NR
Rev	Date	Drawn	Description	Ch'k'd	App'd

MOTT MACDONALD

South Block
Rockfield
Dundrum
Dublin 16
Ireland
T +353 (0)1 291 6700
F
W www.mottmac.com



Title

Walterstown 110 kV Substation

New 110 kV Line to Cable Interface Mast (LCIM) - Typical Details

Designed	ESB	Eng check	ESB
Drawn	S. Healy	Coordination	A. Sethi
Dwg check	G. Reid	Approved	N. Roche
Scale at A1	1:100	Status	PRE
Rev	PL1	Security	STD

Drawing Number

229101684-MMD-00-XX-DR-C-0160