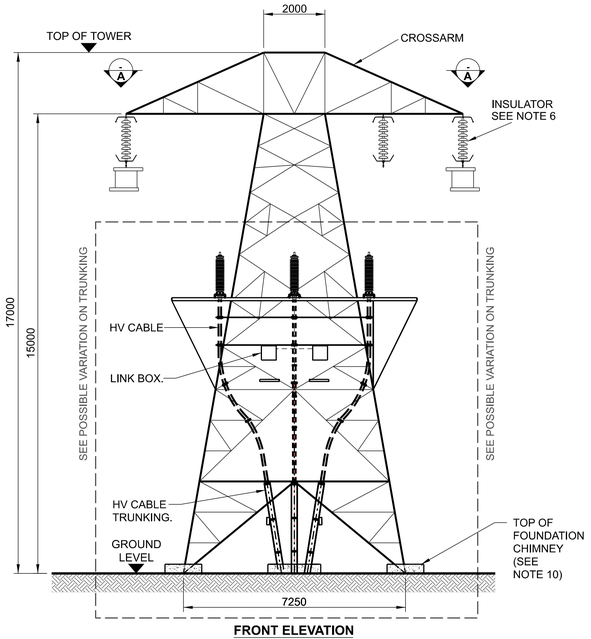
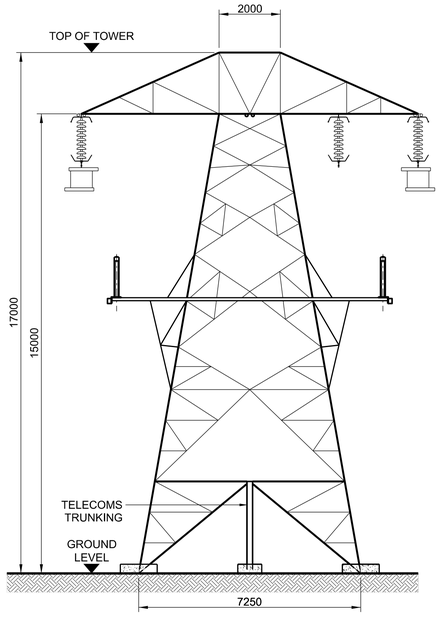


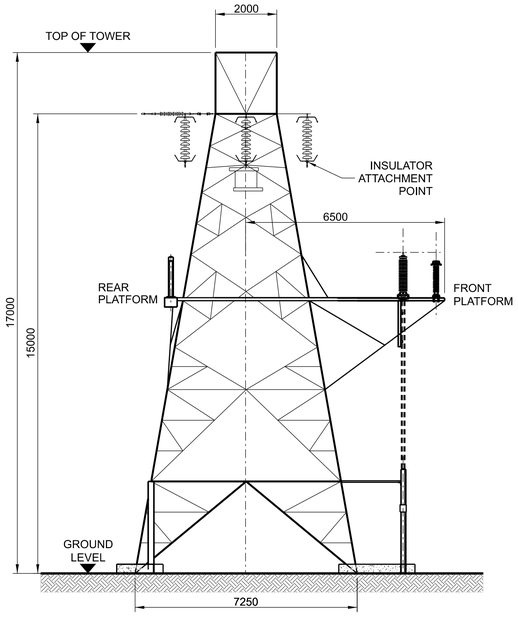
FRONT ELEVATION

(REAR PLATFORM REMOVED FOR CLARITY)



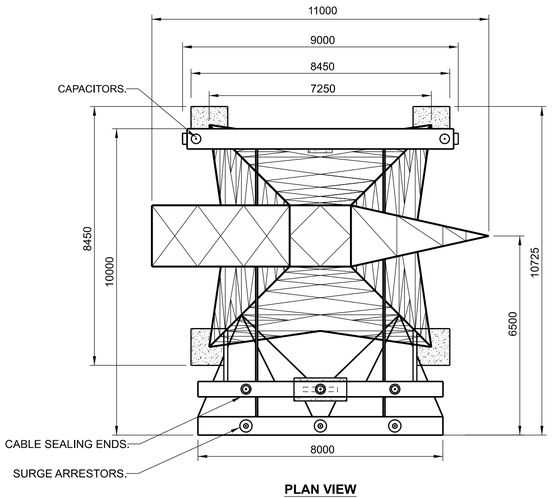
REAR ELEVATION

(FRONT PLATFORM REMOVED FOR CLARITY)



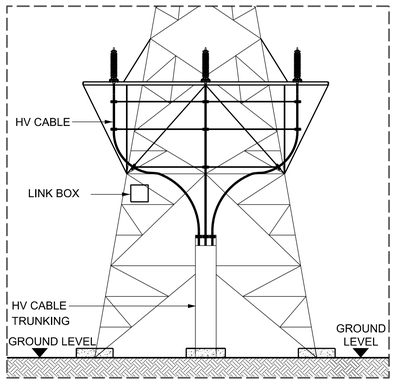
NOTES:

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 SOME 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 5.0m X 5.0m. 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 CONNECTED TO EACH OTHER USING CONCRETE GROUND BEAMS. HOWEVER, ALTERNATIVE SOLUTIONS MAY ALSO BE USED SUCH AS IMPORTED BACKFILL, GROUND REINFORCEMENT 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 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 1.0m. 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 3 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.

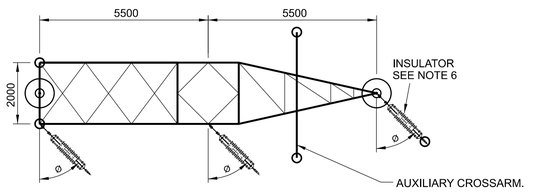


PLAN VIEW

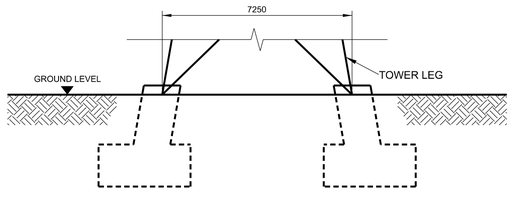
(INSULATORS & AUXILIARY
CROSSARM REMOVED FOR CLARITY)



VARIATION ON TRUNKING
FRONT ELEVATION
(SEE NOTE 7)



SECTION A - A



TYPICAL TOWER FOUNDATION DETAIL

APPLICABLE TO ANY TOWER HEIGHT. SEE NOTES 8 & 9.

REV.	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
4	–	FOUNDATION CHIMNEY ADDED, NOTES UPDATED AND PLATFORM DIMENSIONS ADJUSTED.	–	–	–	–
3	22/08/18	TITLEBLOCK UPDATED	SD	DT	PE	BG
2	04/12/17	PLATFORM CANTILEVER REVISED FROM 3500 TO 4100 ADDITIONAL PLATFORM BRACING ADDED	AK	DT	PE	BG
1	17/10/14	NOTES AND DIMENSIONS AMENDED	EL	DT	PE	PE
0	15/03/13	INITIAL REVISION	EL	DT	PE	PE

PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED

CLIENT APPROVAL ☐ PLANNING ☒ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐

Client: ESB NETWORKS

Project: Materials

Contract:

Drawing Title:
110kV LINES
OUTLINE DRAWING FOR PLANNING APPLICATION
RL1, RL2, & RL3 SINGLE CIRCUIT L/C INTERFACE TOWER WITHOUT EARTHWIRE
T15 - MAX HEIGHT 17m

Production Unit: High Voltage Engineering

Energy for generations

Engineering and Major Projects,
One Dublin Airport Central, Dublin Airport,
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Engineering and Major Projects is a division of ESB

DRAWN	PRODUCED	VERIFIED	APPROVED	APPROVAL DATE
A.Scally	A.Brandini	P.Ennis	A.Woods	04/12/2024

CLIENT REF	No. OF SHTS	SIZE	SCALE
TC209885	-	A1	1:100

DRAWING NUMBER: PG567-D004-516-001-004 (SHEET, REV)

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