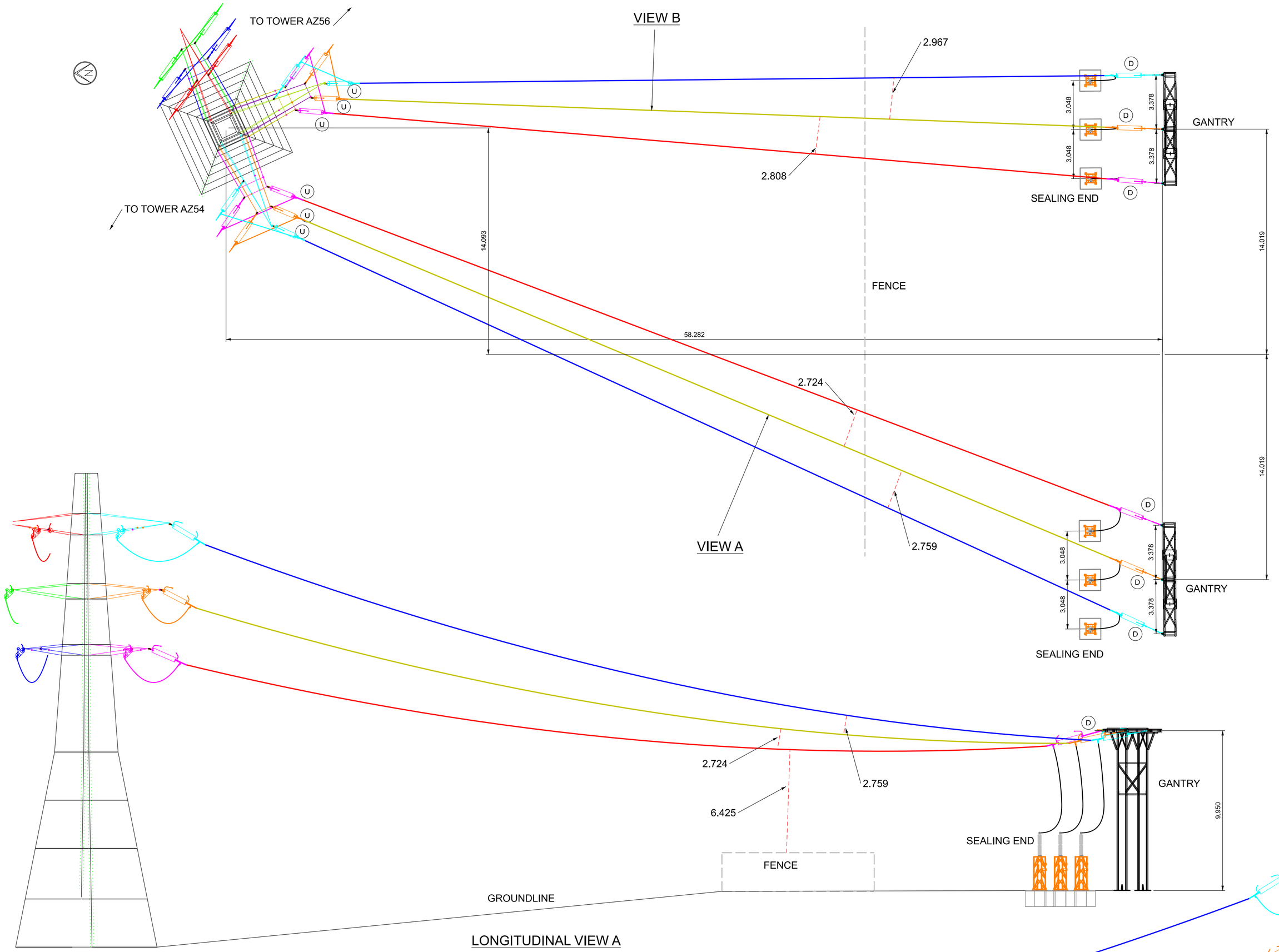
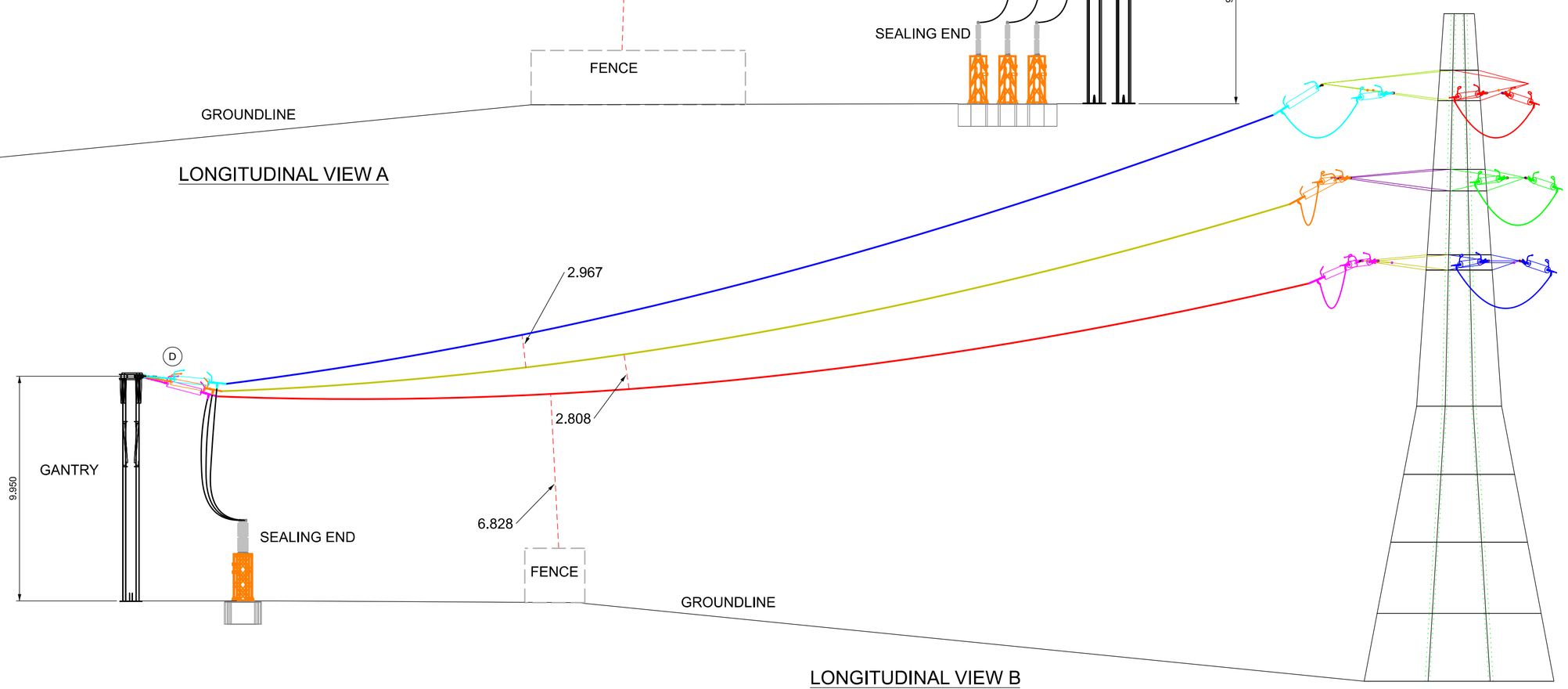


LONGITUDINAL VIEW A



LONGITUDINAL VIEW B

GENERAL NOTES

1. ALL DIMENSIONS IN METRES.
2. FOR L4m DJT (T472) TOWER DETAILS REFER TO BLAW KNOX DRAWING NUMBER: BK35/20813, BK35/20814 & BK35/20815.
3. 132 kV MINIMUM CLEARANCE FROM LIVE METAL TO TOWER STEEL OR EARTHED FITTINGS SHALL BE:

LOADING CASE	CLEARANCE REQUIRED (m)	UNWEIGHTED JUMPER SWINGS	SHOWN LINE TYPE
STILL AIR OR 3 YEAR RETURN PERIOD ICE	1.40	0°	CONTINUOUS
3 YEAR RETURN PERIOD WIND	0.76	32.3°	DOT - DASHED
50 YEAR RETURN PERIOD WIND	0.30	48.4°	DASHED

REF: NG DOCUMENT TS 2.04 ISSUE 6 TABLE 4 NEW OVERHEAD LINES INTERNAL CLEARANCES.
DOWNLEAD CLEARANCES TO CLAUSE 8.2.1 [132 kV - 2.5m]

4. THIS ARRANGEMENT HAS BEEN MODELLED ON CAD IN 3D. CLEARANCES EXCEED MINIMUM REQUIREMENTS FOR ALL CONDITIONS.
5. MINIMUM CLEARANCES INDICATED THUS XXXX ARE MEASURED IN THE 3D VIEW AND THEREFORE CANNOT BE SCALED FROM THIS DRAWING.
6. CONDUCTOR TYPE: 1 x 300 mm² AAAC (UPAS) OPERATING AT 75°C.
7. SAGGING BASIS:
 EDT 20 kN @ 5°C.
 MET 25 kN @ -20°C.
 DOWNLEADS:
 EDT 2.0 kN @ 15°C.
8. (U) FOR DETAILS OF UPRIGHT LOW DUTY TENSION SET REFER TO ENERGYLINE DRAWING No. 90ND1588-68-003.
 ALL UPLD SETS 2.112 m (NOMINAL).
9. (D) FOR DETAILS OF UPRIGHT LOW DUTY TENSION ADJUSTABLE SET REFER TO ENERGYLINE DRAWING No. 90ND1588-68-010.
 ALL UPLD SETS 3.270 m (NOMINAL).

TO BE READ IN CONJUNCTION WITH DOWNLEAD ARRANGEMENT. REFER TO ENERGYLINE DRAWING No. 90ND1588-47-002.

ISSUE	DATE	ISSUE	DESIGN	DRAWN	CHK'D	APP'D
01	22:12:25	ISSUED FOR INFORMATION	S.Y.	S.Y.	A.A.	A.A.

DRAWING STATUS: ISSUED FOR INFORMATION

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TITLE: 132 kV OVERHEAD TRANSMISSION LINE DOWNLEAD CLEARANCE DIAGRAM FOR L4m (T472) DJT E3 TOWER AZ55R FINAL CONDITION

ROUTE / CIRCUIT: AZ - WISTOW LODGE

ENERGYLINE PROJECT / DRG No.: 90ND1588-47-003
SHT No.: 01
No. OF SHTS: 01

CLIENT: nationalgrid
CLIENTS PROJECT REF.: *

CLIENTS DRAWING No.: *

SCALE: 1:150
ELEC FORM: DGN
SHT SIZE: A1

01

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