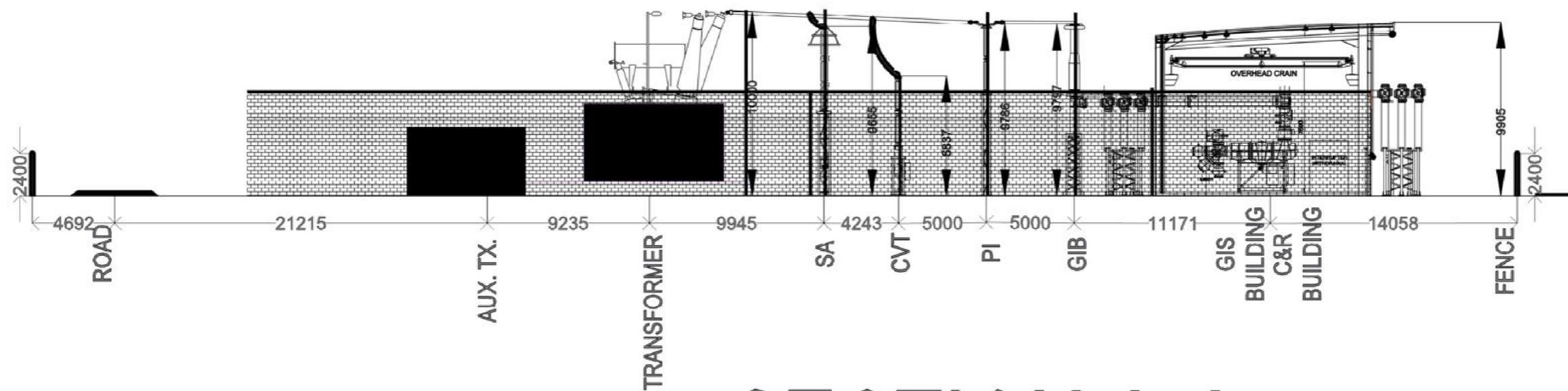


Appendix J ES Figures

J.3 Figure 3-28a: Sunnica West Site A Substation Elevation – 400 kV solution (illustrative)



SECTION A-A

SUBSTATION MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH TS 2.1

NOMINAL SYSTEM VOLTAGE (rms)	400kV
PHASE TO EARTH CLEARANCE (PE)	2.8m
PHASE TO PHASE CLEARANCE (PP)	3.6m
HORIZONTAL DESIGN CLEARANCE FOR SAFETY (HSC)	4.6m
VERTICAL DESIGN CLEARANCE FOR SAFETY (VSC)	5.5m
INSULATION HEIGHT CLEARANCE (IHC)	2.4m
SAFETY DISTANCE (SD)	3.1m

NOTE:
Document Reference: EN010106/APP/6.3
APFP Regulation: 5(2)(a)

Purpose of Issue
FOR DCO SUBMISSION

Client
SUNNICA LTD



Drawing Title
FIGURE 3-28A
SUNNICA WEST SITE A
SUBSTATION ELEVATION -
400KV SOLUTION (ILLUSTRATIVE)

Drawn LL	Checked DW	Approved NC	Date 04/07/2022
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AECOM Internal Project No. 60589004
Scale @ A3
NOT TO SCALE

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AECOM
Unit 1 Wellbrook Court,
Gilton,
Cambridge, CB3 0NA
United Kingdom
Telephone (01223) 488000
www.aecom.com



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