

## **Appendix J      ES Figures**

### **J.6      Figure 3-30a: Sunnica East Site B Substation Elevation – 400 kV solution (illustrative)**

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

Purpose of Issue  
FOR DCO SUBMISSION

Client  
SUNNICA LTD



Drawing Title  
FIGURE 3-30A  
SUNNICA EAST SITE B  
SUBSTATION ELEVATION –  
400KV SOLUTION (ILLUSTRATIVE)

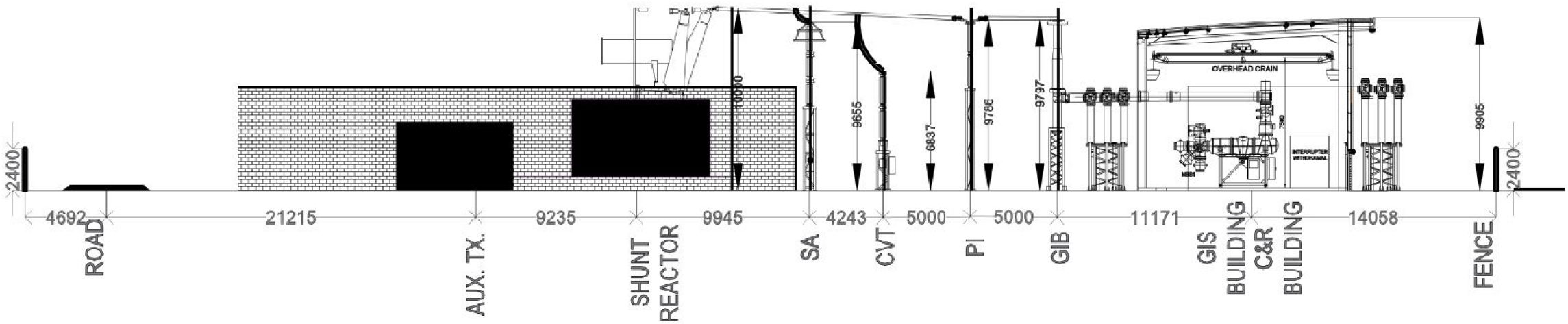
Drawn LL	Checked DW	Approved NC	Date 04/07/2022
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# SECTION A-A

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