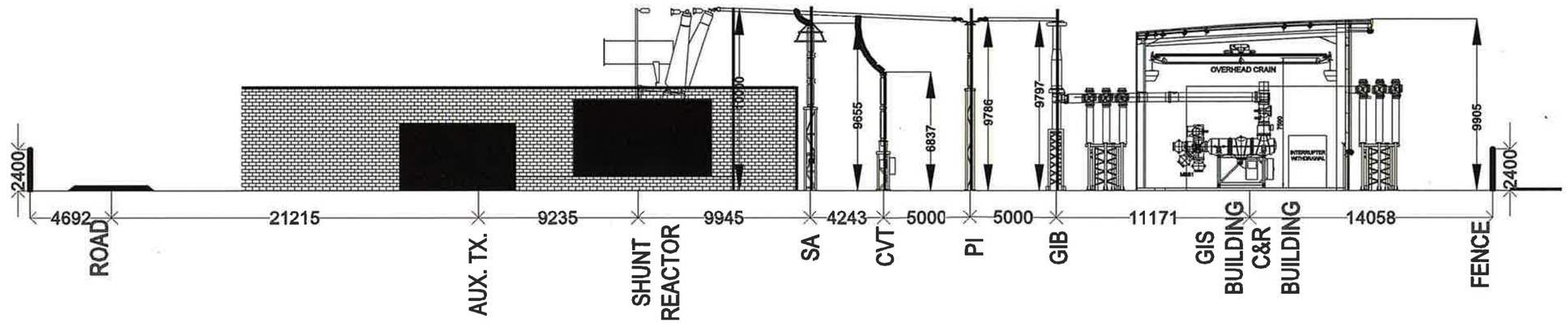


# SECTION A-A

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 |

Project Management Initials : Designer : SA Checked : GC Approved : GC

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AECOM

PROJECT

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LEGEND

NOTES

1. DRAWING IS PRODUCED FOR CONCEPTUAL DESIGN STAGE
2. SUBSTATIONS LAYOUT IS BASED ON PRELIMINARY REQUIREMENT AND SUBJECT TO CHANGE AT NEXT DESIGN STAGE

ISSUE/REVISION

| I/R | DATE | DESCRIPTION |
|---|---|---|
| R0 | 12/05/2022 | FIRST ISSUE |

FOR INFORMATION ONLY

STATUS

FOR DISCUSSION

PROJECT NUMBER: 605890004
SCALE: NTS @ A1

SHEET TITLE

SUNNICA EAST B
ELEVATION
400/33 kV AND SHUNT REACTOR

SHEET NUMBER: 60589004-ACM-XX-LAY-EL-1003
REV: R0