

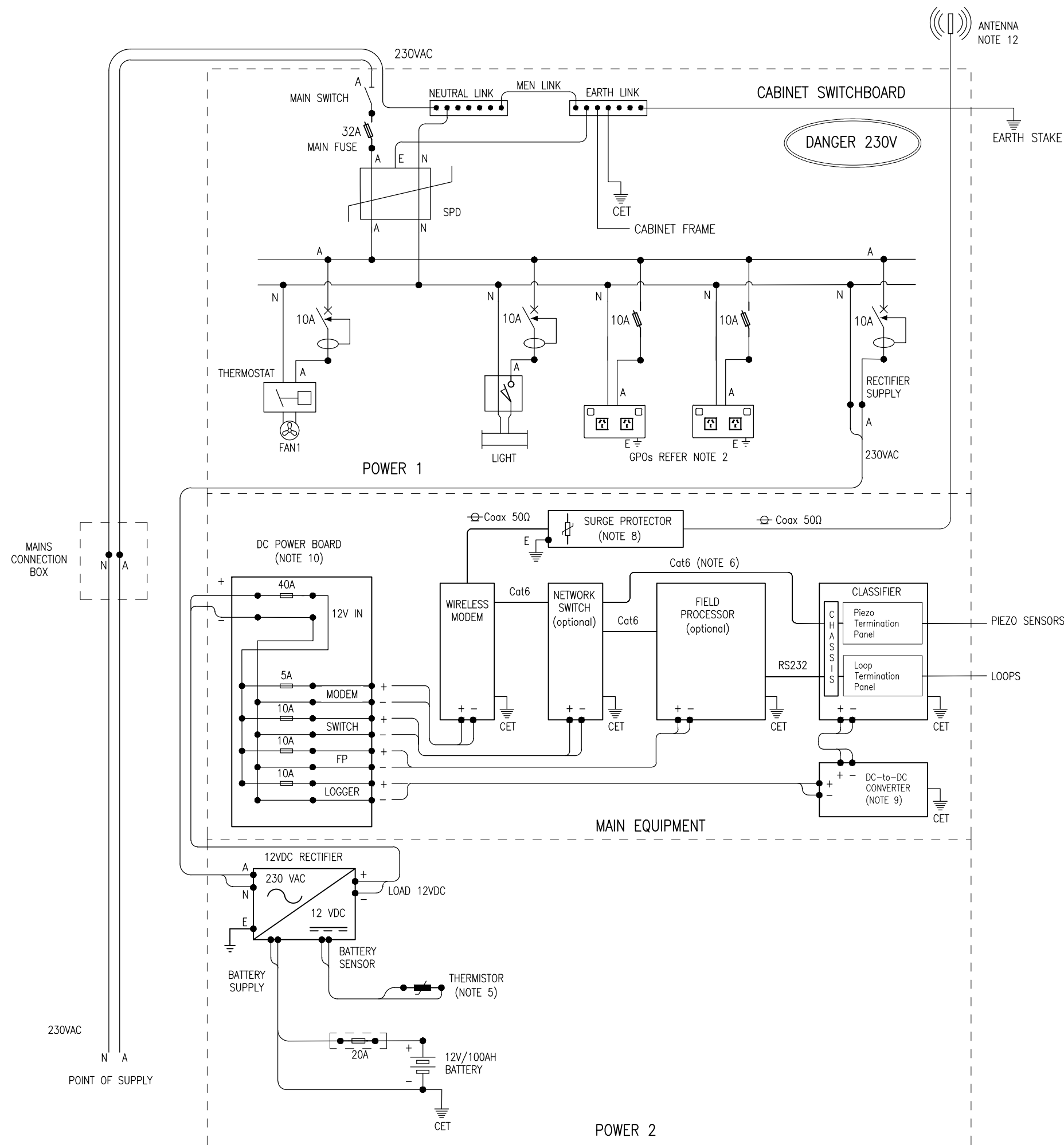


REFER STANDARD DRAWING 1690  
(for Type A Cabinet Details)

SIDE VIEW

FRONT VIEW

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ITS			
VEHICLE CLASSIFIER CABINET DETAILS MAINS POWERED SHEET 1 OF 2		A3 Not to Scale	Standard Drawing No <b>1923</b> Date 3/2023
A	B		



TYPICAL SCHEMATIC DIAGRAM

**NOTES:**

1. Label circuits and terminals appropriately. All 230VAC cables to be labelled "DANGER 230VAC".
2. All GPOs shall be RCD GPOs and labelled "RCD PROTECTED" with green escutcheon cover plate.
3. MEN link in accordance with AS/NZS 3000.
4. Attach a permanent label to the connection of the main earthing conductor to the earth electrode stating: "WARNING: Main electrical earthing conductor. DO NOT DISCONNECT".
5. Battery thermistor which is supplied with the 12VDC rectifier is to be attached to battery positive terminal.
6. Connect CLASSIFIER to WIRELESS MODEM when NETWORK SWITCH is not used.
7. RF (Communication Equipment Terminal block) is the equipment earth bar.
8. CET (COAXIAL) Surge Protector mounted to frame and earthed.
9. Optional DC-to-DC converter is only needed if the selected CLASSIFIER requires DC voltage other than 12V.
10. Standard automotive Blade Fuse:  
 WIRELESS MODEM - 5A  
 CLASSIFIER - 10A  
 NETWORK SWITCH - 10A  
 FIELD PROCESSOR - 10A  
 12V IN - 40A.
11. Cabinet shall be stainless steel of dimensions 1000mm(H) x 600mm(W) x 400mm(D). The cabinet shall be mounted on post-top per standard drawing 1925 ITS Vehicle Classifier Cabinet Installation - Mains Powered.
12. Antenna to be external to cabinet.
13. AC power cable for rectifier: 1.5mm<sup>2</sup> Circular 230VAC Orange.
14. All ELV power cables: 3mm<sup>2</sup> PVC/PVC Automotive Twin.
15. Co-axial cable (Coax 50Ω): LMR195
16. Battery: 12V/100AH
17. Dimensions are in millimetres (mm) unless shown otherwise.

**ASSOCIATED DEPARTMENTAL DOCUMENTS:**

Standard Drawings  
Specifications

**REFERENCED DOCUMENTS:**

Departmental Standard Drawings:  
 1627 Road Lighting - Switchboard Top Mounted  
 1628 Road Lighting - Post-Top Mounted Switchboard  
 1690 ITS - Switchboard Assembly Details - Pole/Top Mounted  
 1925 ITS - Vehicle Classifier Cabinet Installation - Mains Powered

**Departmental Specifications:**

MRTS200 General Requirements for Intelligent Transport Systems (ITS) Infrastructure  
 MRTS201 General Equipment Requirements  
 MRTS207 Traffic Survey Foundation Equipment  
 MRTS228 Electrical Switchboards  
 MRTS251 Traffic Counter/Classifier  
 MRTS256 Power Cables

**Australian Standards:**

AS/NZS 3000 Electrical Installations (Wiring Rules)

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