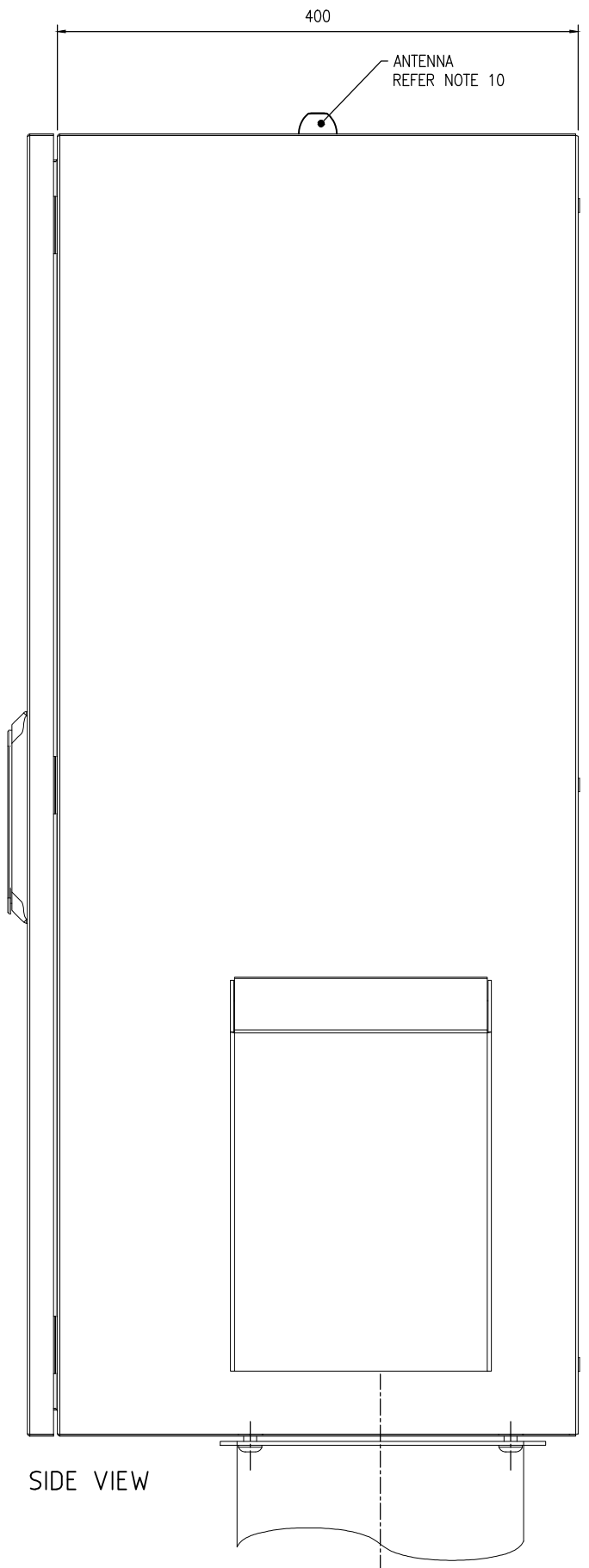




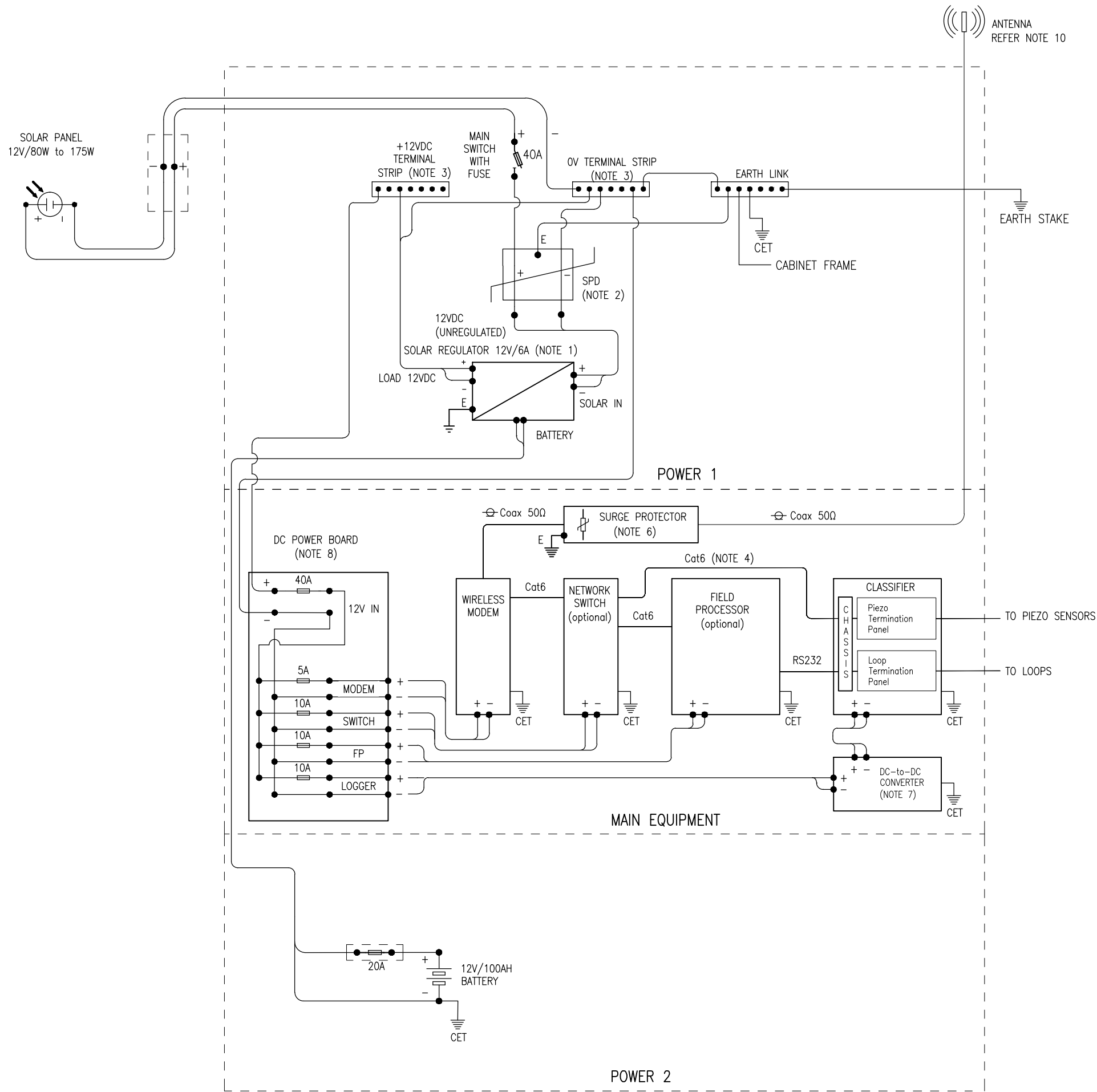
FRONT VIEW



SIDE VIEW

REFER STANDARD DRAWING 1690
(for Type A Cabinet Details)

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ITS			
VEHICLE CLASSIFIER CABINET DETAILS		A3	Standard Drawing No
SOLAR POWERED		Not to Scale	1922
SHEET 1 OF 2		A	Date 3/2023



NOTES:

1. Use 12V/6A solar regulator when optional equipment are not in use. Otherwise, select one with suitable power rating.
2. SPD (surge protection device) min 6A load current, 12VDC, mounted on DIN rail.
3. Black plastic cover over 0V TERMINAL STRIP; red plastic cover over +12V TERMINAL STRIP.
4. Connect CLASSIFIER to WIRELESS MODEM when NETWORK SWITCH is not used.
5. CET (Communication Equipment Terminal block) is the equipment earth bar.
6. RF (COAXIAL) SURGE PROTECTOR with mounting bracket.
7. Optional DC-to-DC converter is only needed if the selected CLASSIFIER requires DC voltage other than 12V.
8. Standard automotive blade fuses:
 WIRELESS MODEM – 5A
 CLASSIFIER – 10A
 NETWORK SWITCH – 10A
 FIELD PROCESSOR – 10A
 12V IN – 40A.
9. 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 1924.
10. Antenna to be external to cabinet.
11. Power cable between solar panel and solar regulator: 2C 6mm² Cu PVC/PVC. Other ELV power cables: 3mm² Cu PVC/PVC Automotive Twin.
12. Co-axial cable (Coax 50Ω): LMR195.
13. Battery: 12V/100AH.
14. Solar panel: 12V/80W to 175W.
15. 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
 1924 ITS – Vehicle Classifier Cabinet Installation – Solar Powered

Departmental Specifications:

- MRTS200 General Requirements for Intelligent Transport Systems (ITS) Infrastructure
- MRTS201 General Equipment Requirements
- MRTS207 Traffic Survey Foundation Equipment
- MRTS251 Traffic Counter/Classifier
- MRTS263 Standalone Solar (PV) Power Systems

TYPICAL SCHEMATIC DIAGRAM

Department of Transport and Main Roads			
ITS			
VEHICLE CLASSIFIER CABINET DETAILS SOLAR POWERED SHEET 2 OF 2		A3 Not to Scale	Standard Drawing No 1922 Date 3/2023
A	B		