



- NOTES:**
1. Location and Specification of S1 & S2 are given by requirements of City of Medicine Hat & Canadian Electrical Code. Generator Disconnect and Grid Disconnects may be integral to the inverter.
 2. Grid Disconnect shall comply with Canadian Electrical Code Rule 84-024 (2018).
 3. The disconnecting means shall be clearly marked in accordance with the Canadian Electrical Code Part 1. City Electric may choose to place warning tags or labels on parts of the Service Entrance.
 4. Wiring arrows indicate direction of electrical energy flow.
 5. Protection schematic shown is for single phase interconnection protection function requirements. Refer to Table 2 in the Guide for Micro Generation Interconnection to the City of Medicine Hat Electric Distribution System.
 6. Grid-connection safety requirements are given by the City of Medicine Hat and the Canadian Electrical Code Section 84.
 7. An inverter with a Canadian Certification Mark thus meets the CSA's standard C22.2 No. 107.1 for utility grid-connection.
 8. All components shall meet Canadian electrical product certification standards.

PV MODULE ARRAY SPECS: Electrical Properties (Standard Test Condition)

Brand: _____ Open Circuit Voltage (Voc): _____ V

Model: _____ Short Circuit Current (Isc): _____ A

Rated Power: (each) _____ kW (qty) _____ Max. Power Point Voltage (Vmpp): _____ V
 (total) _____ kW (DC) Max. Power Point Current (Impp): _____ A

Location on Site: _____

Certified Mark: _____

INVERTER SPECS: Electrical Properties (Nominal Output)

Brand: _____ AC Voltage: _____ V

Model: _____ AC Current: _____ A

Rated Power: (each) _____ kW (qty) _____ AC Frequency: _____ Hz
 (total) _____ kW (AC)

Location on Site: _____

Certified Mark: _____

MICRO-GENERATION SYSTEMS FOR INTERCONNECTION TO THE CITY OF MEDICINE HAT ELECTRIC DISTRIBUTION SYSTEM

The following single-line diagram is for example only. You may use this single-line diagram if they apply to your micro-generation unit. Otherwise, draw your own single-line diagram to show the specific details of your micro-generation unit. This single-line diagram is intended for use in grid-connection approvals. It is not intended to be used for system design or installation.

SCALE: NOT TO SCALE SITE ADDRESS: _____

PAGE: 1 OF 1 SUBMITTED BY: _____

DATE: _____ TITLE: **SLD FOR SINGLE PHASE GRID-DEPENDENT**