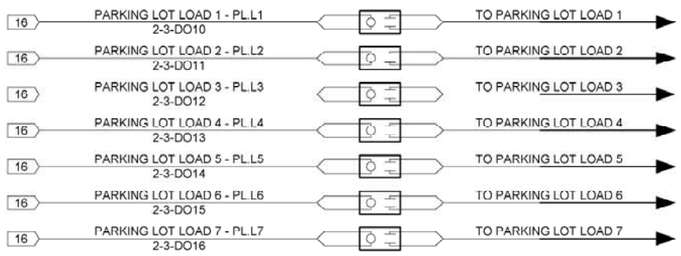
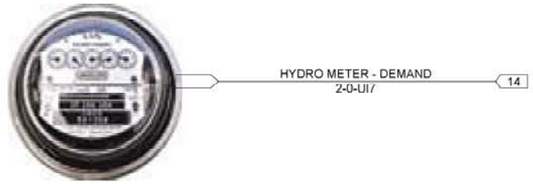
Misc. Schematic(s)

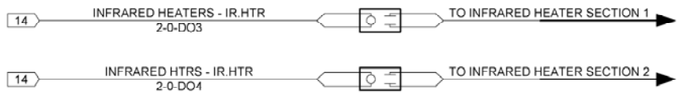
Parking Lot Wiring Details



Electric Hydro Demand Meter Details



IR Control Damper Wiring Details



Occupied Override Wiring Details

Mounted in the Diesel Room

PARKING LOT LOAD PLUGS:

Parking Lot Plugs:
The car plugs shall be enabled at outside air temperatures below 0°C (adj.). At outside air temperatures below 0°C (adj.), the plugs shall cycle on and off every 15 minutes for optimum electrical demand consumption. As the electrical consumption rises above the specified demand setpoints, the parking lot loads shall cycle off for longer times as specified by the user.

INFRARED HEATERS

Infrared Heater Run Conditions:
The infrared heaters shall operate continuously based on the occupied schedule as defined by the user. During the unoccupied schedule, the infrared heaters shall be enabled to maintain the night setback temperatures. The infrared heaters shall operate on their own dedicated thermostats/controls.

ELECTRIC METER

Electric Meter:
The controller shall monitor the electric meter for electric consumption on a continual basis. These values shall be made available to the system at all times.
Alarm shall be generated as follows:
- Meter Failure: Sensor reading indicates a loss of pulse output from the electric meter.

Peak Demand History:
The controller shall monitor and record the peak (high and low) demand readings from the electric meter. Peak readings shall be recorded on a daily, month-to-date, and year-to-date basis.

Usage History:
The controller shall monitor and record electric meter readings so as to provide a power consumption history. Usage readings shall be recorded on a daily, month-to-date, and year-to-date basis.

Demand Levels:
The controller shall set the system demand level (adj.) based on the current power consumption readings from the electric meter. There shall be six daily time periods in which the demand shall be adjusted on three levels. These demand levels shall be available for facility equipment to utilize for demand limiting.
- Demand Level 1: Power consumption has exceeded the first demand level threshold (adj.).
- Demand Level 2: Power consumption has exceeded the second demand level threshold (adj.).
- Demand Level 3: Power consumption has exceeded the third demand level threshold (adj.).

OCCUPIED OVERRIDE

When the occupied override switch is indexed to the ON position, the system(s) shall operate based on the occupied sequence of operations, otherwise the system shall cycle from occupied to unoccupied based on the user specified schedule.

Winnipeg Transit			
Winnipeg, Manitoba			
Integrated Control Systems			
Misc. Schematic(s)			
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			DSCODE:
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