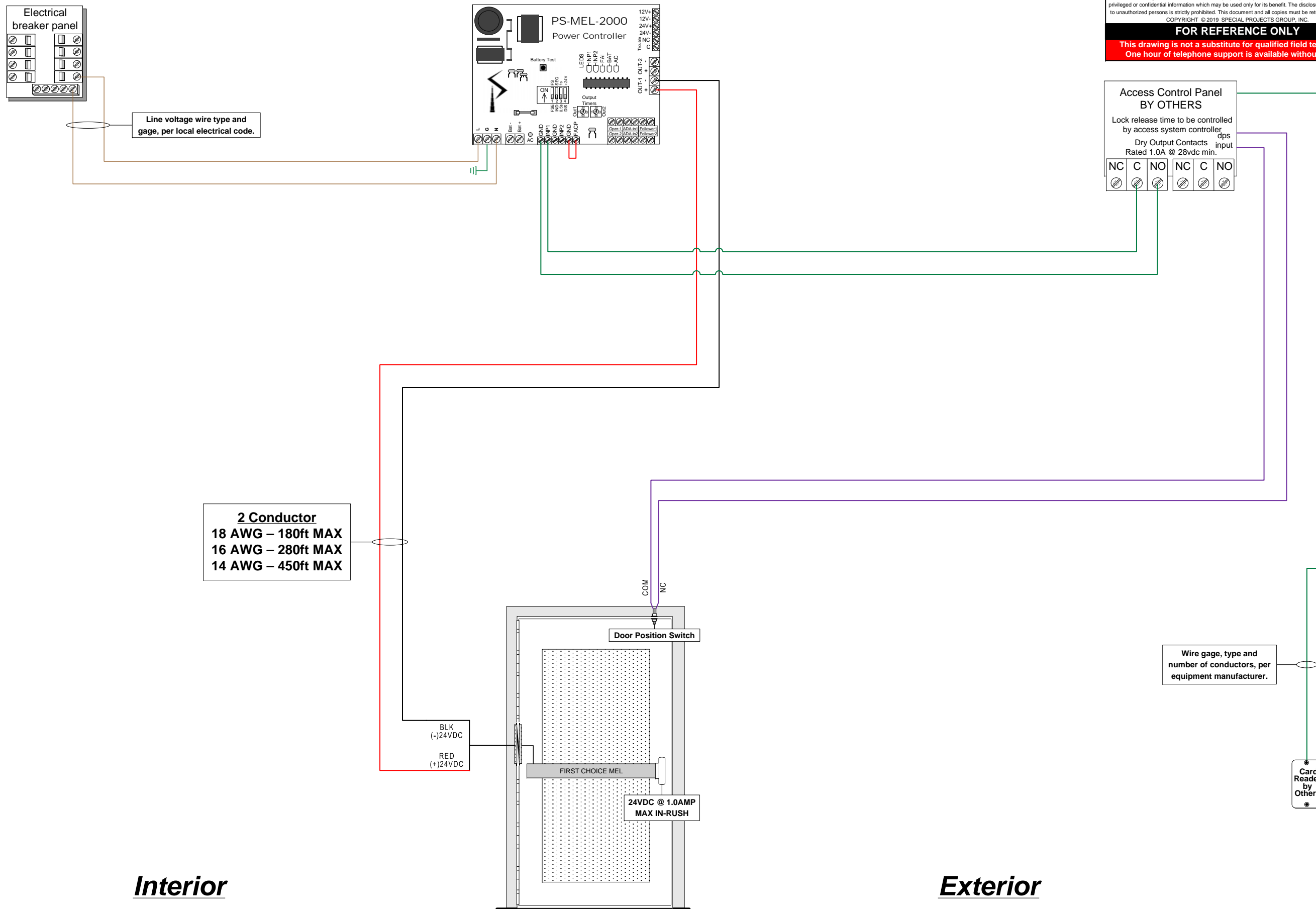


**NOTES:**

- 1) Verify that each component requiring or supplying power has been configured for proper system voltage before applying power.
- 2) All wires to be 18 awg 100' max unless otherwise noted on drawing. Refer to manufacturers instructions for proper wire gauge on any power supply, electric device or electrified lock hardware. Manufacturers requirements take precedence.
- 3) All line voltage power to be I/A/W local electrical code.
- 4) All low voltage wires to be stranded copper unless superseded by local electrical code or electric device manufacturer.
- 5) It is considered good electrical practice to run spare wires at any location that may be difficult to access after construction.



**2 Conductor**  
18 AWG – 180ft MAX  
16 AWG – 280ft MAX  
14 AWG – 450ft MAX

**Electrical Circuit Legend**  
Red = (+)VDC Power  
Black = (-) VDC Power  
Green = Signaling  
Blue = Activation  
Violet = Monitoring/Supervisory  
Brown = AC High Voltage

**Interior**

**Exterior**

**Function Statement:**

- From exterior - locked condition:** Access by presenting valid credential at reader interface to retract electric exit device latchbolts.
- From exterior - unlocked condition:** Door to remain locked unless electric exit device held retracted by access control system.
- From interior - locked condition:** Free egress at all times by means of exit device.
- From interior - unlocked condition:** Free egress at all times by means of exit device.
- General:** Fail-secure electric latch retraction exit device to remain locked during utility power-loss event.

Wire gage, type and number of conductors, per equipment manufacturer.

Card Reader by Others

Title: SGL MEL Exit Device PS-MEL-2000.vsd			Project: Example		
HWSET: Example			Door: EXT-1		
Date: 5/17/2019	Date Printed: 5/17/2019	Last Revised: 5/17/2019	3:04:09 PM		
Drawn By: Eric Norton	For: Special Projects Group	SO: n/a	Pg: 1 OF 1		