



**DOOR HARDWARE**

- 1 JUNCTION BOX BY OTHERS
- 2 SCHLAGE 679-05 DOOR POSITION SWITCH
- 3 VON DUPRIN RX-QEL / FALCON RX-MEL EXIT DEVICE (24 VDC)
- 4 SCHLAGE MT11 OR MT15
- 5 SCHLAGE SCANII RX MOTION SENSOR
- 6 FALCON 8200 SERIES AUTO DOOR OPERATOR
- 7 LCN SINGLE GANG BOX TOUCHLESS ACTUATORS
- 8 VON DUPRIN PS902 X 900-2RS
- 9 VON DUPRIN EPT10 OR EQUAL
- 10 VON DUPRIN RX OR FALCON RX EXIT DEVICE
- 11 LCN SINGLE GANG BOX WIRED ACTUATOR

**WIRE REQUIREMENTS**

2/20 AWG STRANDED FOR DPS  
 4/18 AWG STRANDED FOR EACH ELECTRIFIED EXIT DEVICE  
 2 WIRES FOR POWER  
 2 WIRES FOR REQUEST TO EXIT SIGNAL  
 4/18 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO MAIN ACTIVATION.  
 4/18 AWG STRANDED FROM EXTERIOR ACTUATOR TO MAIN ACTIVATION. ONE LEG TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT  
 \*\*\*2/18 AWG STRANDED TO LOWER ACTUATOR\*\*\*  
 2/20 AWG STRANDED FROM COM/N.O. TO POWER SUPPLY RELAY  
 8/22 AWG SHIELDED TO CARD READER. VERIFY REQUIREMENTS W/ CARD READER MANUFACTURER.  
 PLENUM RATED CABLE FROM ACCESS PANEL TO J-BOX INTEGRATOR TO VERIFY REQUIREMENTS AND PROVIDE AS REQUIRED FOR SYSTEM DESIGN.  
 \*\*ANY WIRE RUNS GREATER THAN 200 FEET VERIFY GAUGE WITH MANUFACTURER.\*\*

**GENERAL NOTES:**

ALL LOW VOLTAGE WIRE TO RUN IN MINIMUM 3/4" CONDUIT OR INSIDE DRYWALL UNLESS NOTED OTHERWISE  
 ALL LOW VOLTAGE WIRE TO BE STRANDED WIRE  
 ALL GANG BOXES BY ELECTRICAL CONTRACTOR AS REQUIRED  
 ALL LOW VOLTAGE WIRING TO BE LABELED CLEARLY AT BOTH END  
 ALL MOUNTING HEIGHTS AS SHOWN  
 COORDINATE MOUNTING LOCATIONS WITH ELECTRICAL/ARCHITECTURAL PLANS  
 ANY DEVIATION FROM HARDWARE SPECIFIED IN SECTION 08710 WILL NEGATE ALL REQUIREMENTS SHOWN HEREIN AND REQUIRE NEW DRAWINGS BY OTHERS TO MATCH SUBSTITUTED HARDWARE

**OPERATIONAL DESCRIPTION:**

DOOR NORMALLY CLOSED AND LOCKED.  
 ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY OVER-RIDE.  
 RX SWITCH / MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.  
 INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)  
 EXTERIOR ACTUATOR WIRED IN SERIES THROUGH ACCESS CONTROL SYSTEM AUX RELAY SUCH THAT ON VALID CARD OR TIME ZONE CONTROL ACTUATOR CAN BE PRESSED TO START OPENING CYCLE.  
 KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.  
 FREE EGRESS AT ALL TIMES.

	DRAWING: <b>ELEVATION DRAWING</b>	
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<b>ELECTRIFIED ELEVATION DRAWINGS</b>	DATE: 03-15-2021	VERSION: 1
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