

## DOOR HARDWARE

- 1 JUNCTION BOX BY OTHERS
- 2 SCHLAGE 679-05 DOOR POSITION SWITCH
- 3 VON DUPRIN LX-RX-QEL / FALCON LMR-MEL FIRE RATED EXIT DEVICE (24 VDC)
- 4 SCHLAGE MT11 OR MT15
- 5 NOT USED
- 6 FALCON 8200 SERIES AUTO DOOR OPERATOR
- 7 LCN SINGLE GANG BOX WIRELESS ACTUATORS
- 8 VON DUPRIN PS902 X 900-2RS X 900-FA
- 9 VON DUPRIN EPT10 OR EQUAL
- 10 VON DUPRIN RX OR FALCON RX FIRE RATED EXIT DEVICE
- 11 2 EACH LCN 8310-865 WIRELESS RECEIVER

## 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 LX SWITCH IN EXIT DEVICE 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.

## WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS  
 6/18 AWG STRANDED FOR ELECTRIFIED EXIT DEVICE  
 2 WIRES FOR LATCH RETRACTION POWER  
 2 WIRES FOR REQUEST TO EXIT SIGNAL  
 2 WIRES FOR LX / LM SWITCH  
 2/20 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO MAIN ACTIVATION.  
 2/20 AWG STRANDED FROM EXTERIOR ACTUATOR TO MAIN ACTIVATION. ONE LEG  
 TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT  
 \*\*WIRE LOW ACTUATOR IN PARALLEL WITH ACTUATOR ABOVE\*\*  
 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.\*\*

 <b>ALLEGION</b>	DRAWING: <b>ELEVATION DRAWING</b>	
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