



DOOR ELEVATION  
N.T.S.

**DOOR HARDWARE**

- ① JUNCTION BOX BY OTHERS
- ② SCHLAGE 679-05 DOOR POSITION SWITCH
- ③ VON DUPRIN LX-QEL / FALCON LM-MEL FIRE RATED 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 WIRED ACTUATORS
- ⑧ VON DUPRIN PS902 X 900-2RS X 900-FA
- ⑨ VON DUPRIN EPT10 OR EQUAL

**WIRE REQUIREMENTS**

2/20 AWG STRANDED FOR DPS  
 4/18 AWG STRANDED FOR EXIT DEVICE  
 2 WIRES FOR POWER  
 2 WIRES FOR LX / LM SWITCH  
 4/18 AWG STRANDED FOR MOTION SENSOR  
 2 WIRES FOR POWER  
 2 WIRES FOR REQUEST TO EXIT SIGNAL  
 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  
 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 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.

	DRAWING: <b>ELEVATION DRAWING</b>	
	Drawn By: <b>Jason Relyea DHT, DHC</b>	Checked by:
<b>ELECTRIFIED ELEVATION DRAWINGS</b>	DATE: 03-15-2021	VERSION: 1
	SCALE: N.T.S.	REVISION:
	DRAWING NO: <b>3237</b>	

Wiring Diagram Terms of Use: This information is for professional use only and is intended to be a guide for proper product application and specification. See specific product manuals for proper installation. Any installation should be performed by persons qualified to perform electrical work and in compliance with applicable codes, rules, regulations and orders. Allegion reserves the right to change or modify the information herein without notice. No warranties, express or implied, are provided by Allegion as a result of this information. Any and all use and reproduction of the information herein except for product application and specification is expressly forbidden.