

DOOR ELEVATION  
N.T.S.

**DOOR HARDWARE**

- ① JUNCTION BOX BY OTHERS
- ② SCHLAGE 679-05 DOOR POSITION SWITCH
- ③ VON DUPRIN RX-QEL / FALCON RX-MEL FIRE RATED EXIT DEVICE (24 VDC)
- ④ SCHLAGE MT11 OR MT15
- ⑤ NOT USED
- ⑥ VON DUPRIN PS902 X 900-2RS X 900-FA
- ⑦ VON DUPRIN REMOVABLE MULLION
- ⑧ VON DUPRIN ELECTRIC POWER TRANSER
- ⑨ SCHLAGE 623 SERIES REMOTE RELEASE BUTTON (OR EQUAL)

**WIRE REQUIREMENTS**


- 2/20 AWG STRANDED FOR DPS (WIRE IN SERIES)
- 4/18 AWG STRANDED FOR ELECTRIFIED EXIT DEVICE
  - 2 WIRES FOR LATCH RETRACTION
  - 2 WIRES FOR REQUEST TO EXIT SIGNAL
- 8/18 AWG STRANDED FROM POWER SUPPLY TO J-BOX
  - 2 WIRES FOR EACH LATCH RETRACTION EXIT DEVICE
  - 2 WIRES FOR REQUEST TO EXIT POWER
  - 2 WIRES FOR ACCESS CONTROL INPUT
- 8/22 AWG SHIELDED TO CARD READER. VERIFY REQUIREMENTS W/ CARD READER MANUFACTURER.
- 2/20 AWG SHIELD FROM FIRE ALARM PANEL TO POWER SUPPLY (DRY CONTACTS)
- 2/20 AWG STRANDED FROM REMOTE RELEASE TO AUX RELAY
- 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, REMOTE PUSHBUTTON OR BY KEY AT LOCK.  
 REQUEST TO EXIT SWITCH / SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.  
 KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM  
 REMOTE PUSHBUTTON TO BE WIRED TO ADDITIONAL AUX RELAY TO PREVENT DOOR FORCED ALARM.  
 FREE EGRESS AT ALL TIMES.

 <b>ALLEGION</b> <b>ELECTRIFIED ELEVATION DRAWINGS</b>	DRAWING: <b>ELEVATION DRAWING</b>	
	Drawn By: <b>Jason Relyea DHT, DHC</b>	Checked by:
	DATE: 03-15-2021	VERSION: 1
	SCALE: N.T.S.	REVISION:
DRAWING NO: <b>3016</b>		

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