

DOOR ELEVATION – STAIRWAY RE-ENTRY  
N.T.S.

### DOOR HARDWARE

- ① JUNCTION BOX BY OTHERS
- ② SCHLAGE 679-05 DOOR POSITION SWITCH
- ③ VON DUPRIN FIRE RATED 99 SERIES WITH M996L ELECTRIFIED TRIM
- ④ SCHLAGE MT11 OR MT15
- ⑤ SCHLAGE SCANII RX MOTION SENSOR
- ⑥ VON DUPRIN PS902 X 900-2RS X 900-FA POWER SUPPLY
- ⑦ VON DUPRIN ELECTRIC POWER TRANSFER

### WIRE REQUIREMENTS

- 2/20 AWG STRANDED FOR DPS
- 2/18 AWG STRANDED FOR ELECTRIFIED EXIT DEVICE
- 4/18 AWG STRANDED FOR MOTION SENSOR
- 2 WIRES FOR POWER (FROM POWER SUPPLY)
- 2 WIRES FOR REQUEST TO EXIT SIGNAL
- 6/18 AWG STRANDED FROM POWER SUPPLY TO J-BOX
- 2 WIRES FOR POWER TO EXIT DEVICE
- 2 WIRES FOR POWER TO MOTION SENSOR
- 2 WIRES FOR INPUT FROM ACCESS CONTROL SYSTEM
- 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:

DOORS NORMALLY CLOSED AND LOCKED.  
 ENTRY BY VALID CREDENTIAL AT CARD READER.  
 ELECTRIFIED EXIT DEVICE TRIM TO BE FAIL SAFE SUCH THAT VALID FIRE ALARM DO TO BE UNLOCKED AND REMAIN LATCHED  
 REQUEST TO EXIT SWITCH/ SENSOR SHUNTS DOOR FORCED OPEN ALARM IN ACCESS CONTROL SYSTEM.  
 FREE EGRESS AT ALL TIMES.

DOOR TO MEET REQUIREMENTS OF IBC 1010.1.9.11 STAIRWAY DOORS.

 <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>7001</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.