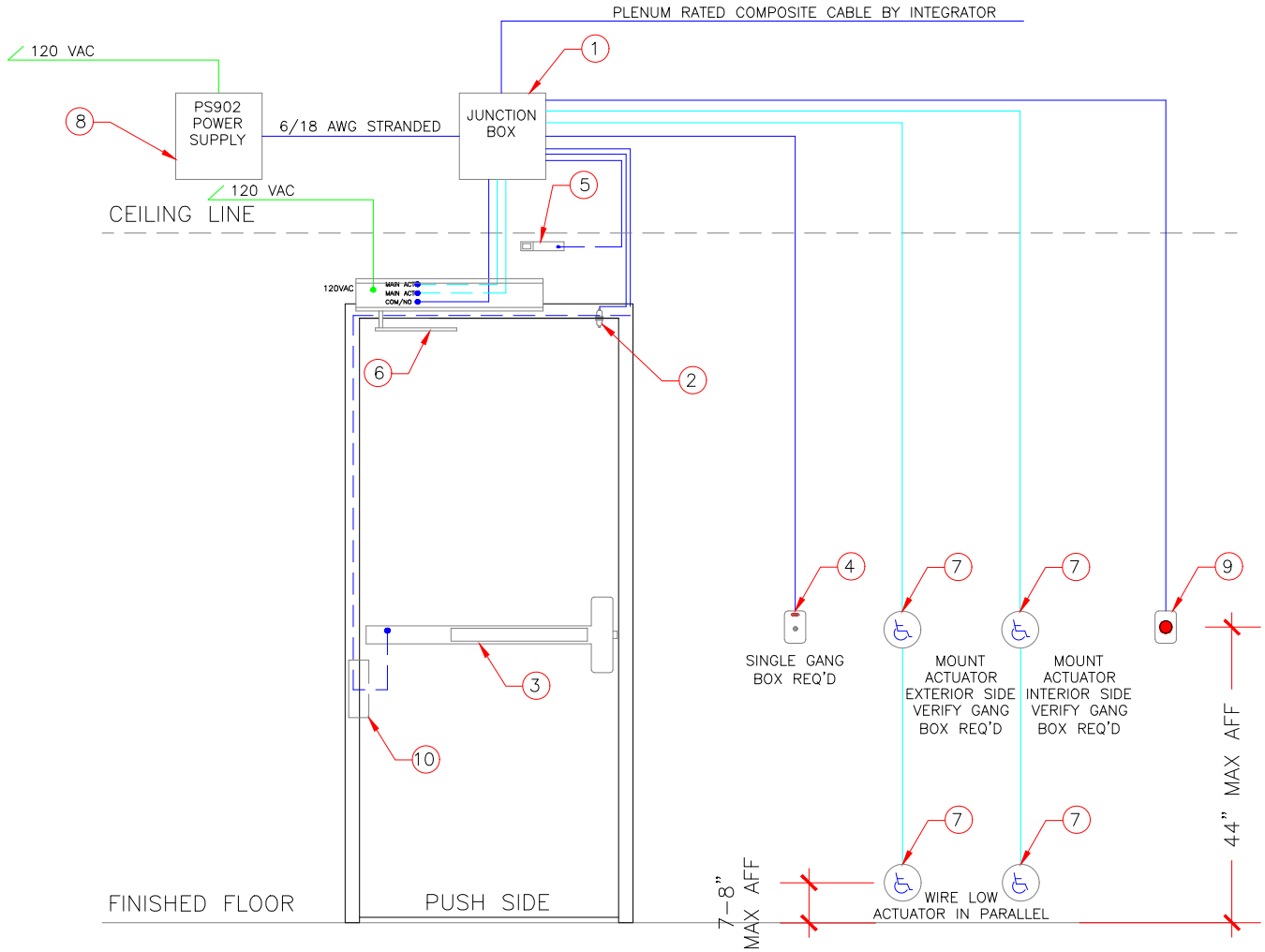

DOOR ELEVATION
N.T.S.

DOOR HARDWARE

1. JUNCTION BOX BY OTHERS
2. SCHLAGE 679-05 DOOR POSITION SWITCH
3. VON DUPRIN QEL / FALCON 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 WIRED ACTUATORS
8. VON DUPRIN PS902 X 900-2RS
9. SCHLAGE 623 SERIES REMOTE RELEASE BUTTON (OR EQUAL)
10. VON DUPRIN ELECTRIC POWER TRANSFER

WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS
2/18 AWG STRANDED FOR ELECTRIC STRIKE FROM POWER SUPPLY
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
WIRE LOW ACTUATOR IN PARALLEL WITH ACTUATOR ABOVE
2/20 AWG STRANDED FROM COM/N.O. TO POWER SUPPLY RELAY
2/20 AWG STRANDED FROM REMOTE RELEASE TO AUX 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, REMOTE PUSHBUTTON, OR BY KEY OVER-RIDE.
REQUEST TO EXIT SWITCH / 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.
REMOTE PUSHBUTTON TO BE WIRED TO ADDITIONAL AUX RELAY TO PREVENT DOOR FORCED ALARM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

ALLEGION

ELECTRIFIED ELEVATION DRAWINGS

DRAWING: ELEVATION DRAWING

Drawn By:	Checked by:
Jason Relyea DHT, DHC	

DATE:	VERSION:	DRAWING NO:
03-15-2021	1	3039C
SCALE: N.T.S.	REVISION:	

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.

Copyright 2021 Schlage Lock Company LLC.