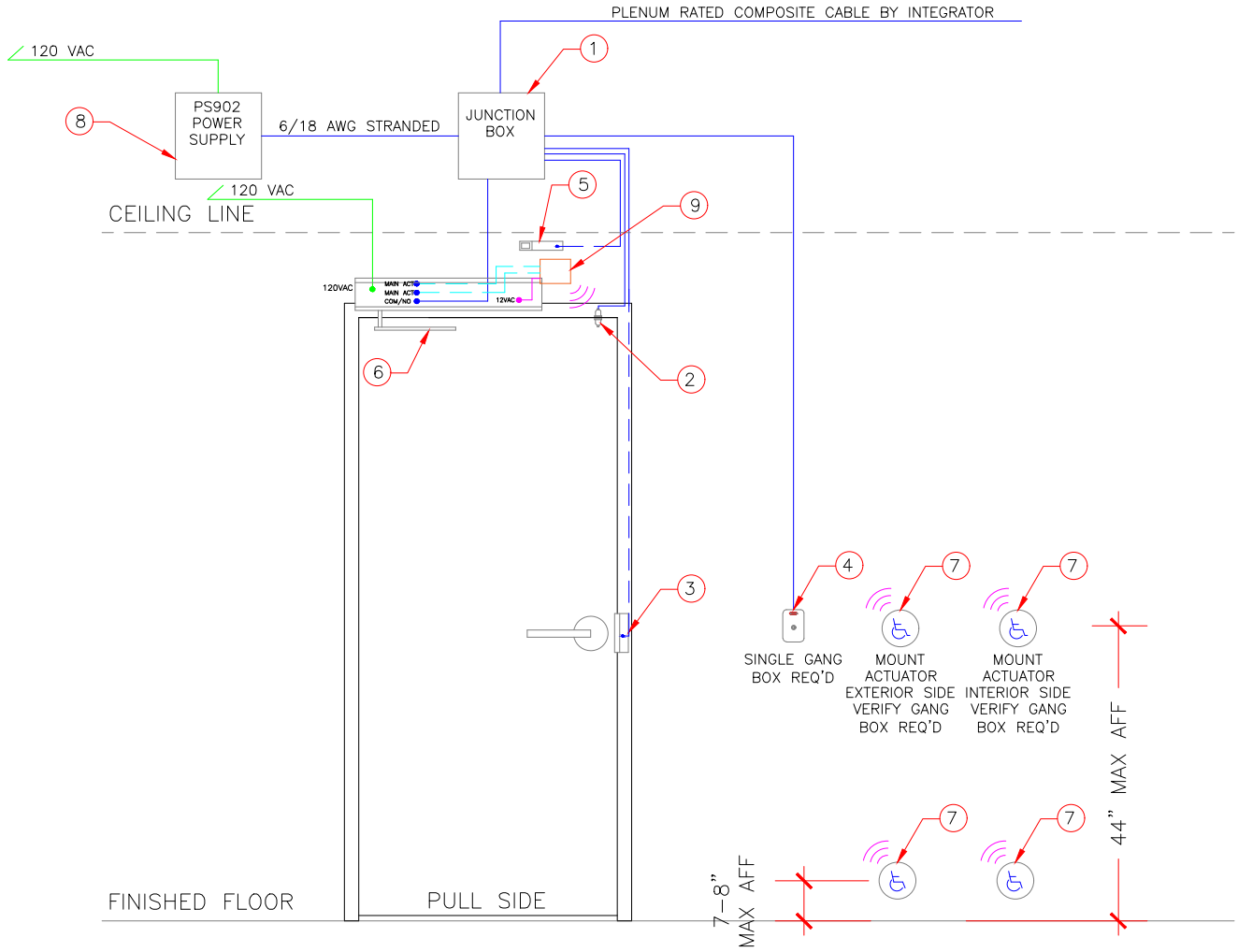

DOOR ELEVATION
N.T.S.

DOOR HARDWARE

1. JUNCTION BOX BY OTHERS
2. SCHLAGE 679-05 DOOR POSITION SWITCH
3. VON DUPRIN 5100 FSE ELECTRIC STRIKE
4. SCHLAGE MT11 OR MT15
5. SCHLAGE SCANII RX MOTION SENSOR
6. FALCON 8200 SERIES AUTO DOOR OPERATOR
7. LCN SINGLE ACTUATOR WITH 8310-844 WIRELESS TRANSMITTER
8. VON DUPRIN PS902 X 900-2RS
9. 2 EACH LCN 8310-865 WIRELESS RECEIVER

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 WIRELESS RECEIVER DIRECT TO MAIN ACTIVATION
2/20 AWG STRANDED FROM WIRELESS RECEIVER TO MAIN ACTIVATION. ONE LEG TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT FOR EXTERIOR ACTUATOR
WIRE LOW ACTUATOR IN PARALLEL WITH ACTUATOR ABOVE
2/20 AWG STRANDED FROM COM/N.O. TO POWER SUPPLY RELAY
2/18 AWG STRANDED FROM 12VAC OUTPUT TO WIRELESS RECEIVER
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 ACCESS CONTROL SYSTEM AUX RELAY 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.

ALLEGION	DRAWING: ELEVATION DRAWING		
	Drawn By: Jason Relyea DHT, DHC		Checked by:
ELECTRIFIED ELEVATION DRAWINGS	DATE: 03-15-2021	VERSION: 1	DRAWING NO: 1118C
	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.