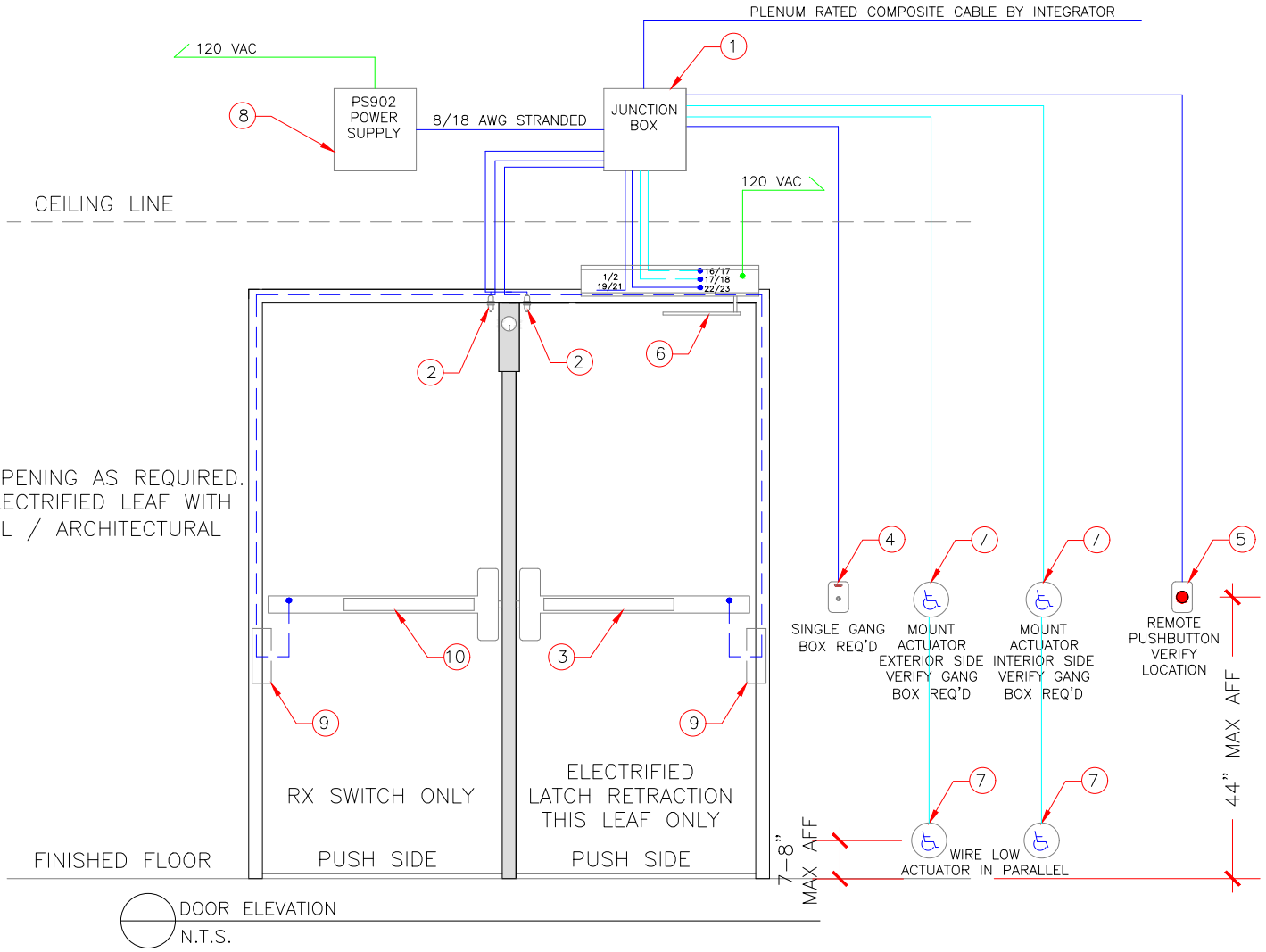

DOOR HARDWARE

1. JUNCTION BOX BY OTHERS
2. SCHLAGE 679-05 DOOR POSITION SWITCH
3. VON DUPRIN RX-QEL / FALCON RX-MEL EXIT DEVICE (24 VDC)
4. SCHLAGE MT11 OR MT15
5. SCHLAGE PUSHBUTTON RELEASE
6. LCN AUTO EQUALIZER AUTO DOOR OPERATOR
7. LCN SINGLE GANG BOX WIRED ACTUATORS
8. VON DUPRIN PS902 X 900-2RS
9. VON DUPRIN EPT10 OR EQUAL
10. VON DUPRIN RX OR FALCON RX EXIT DEVICE

WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS
2/18 AWG STRANDED FROM REMOTE RELEASE TO ACCESS CONTROL PANEL
4/18 AWG STRANDED FOR EACH ELECTRIFIED EXIT DEVICE
2 WIRES FOR POWER
2 WIRES FOR REQUEST TO EXIT SIGNAL
2/20 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO SLOT 17/18
2/20 AWG STRANDED FROM EXTERIOR ACTUATOR TO 16/17. ONE LEG TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT
2/20 AWG STRANDED FROM SLOT 22/23 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, KEY OVER-RIDE OR REMOTE RELEASE BUTTON.
RX SWITCH / 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
ELECTRIFIED ELEVATION DRAWINGS

DRAWING: ELEVATION DRAWING
Drawn By: Jason Relyea DHT, DHC
Checked by:
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