

# DOOR ELEVATION N.T.S.

#### DOOR HARDWARE

- (1) JUNCTION BOX BY OTHERS
- SCHLAGE 679-05 DOOR POSITION SWITCH
- VON DUPRIN QEL / FALCON MEL FIRE RATED EXIT DEVICE (24 VDC)
- SCHLAGE MT11 OR MT15
- SCHLAGE SCANII RX MOTION SENSOR
- LCN SENIOR SWING AUTO DOOR OPERATOR
- LCN SINGLE GANG BOX TOUCHLESS ACTUATORS
- VON DUPRIN PS902 X 900-2RS X 900-FA
- VON DUPRIN EPT10 OR EQUAL

### WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS

2/18 AWG STRANDED FOR EACH ELECTRIFIED EXIT DEVICE 4/18 AWG STRANDED FOR MOTION SENSOR

2 WIRES FOR POWER
2 WIRES FOR REQUEST TO EXIT SIGNAL
4/18 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO P6

4/18 AWG STRANDED FROM EXTERIOR ACTUATOR TO P7. ONE LEG

TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT 2/20 AWG STRANDED FROM P10 CABLE 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

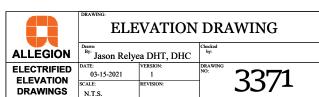
ALL GANG BOXES BY ELECTRICAL CONTRACTOR AS REQUIRED ALL LOW VOLTAGE WIRING TO BE LABELED CLEARLY AT BOTH END ALL MOUNTING HEIGHTS AS SHOWN

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 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.



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