

## DOOR HARDWARE

- JUNCTION BOX BY OTHERS
- SCHLAGE 679-05 DOOR POSITION SWITCH
- VON DUPRIN 6300 FSE ELECTRIC STRIKE
- SCHLAGE MT11 OR MT15
- SCHLAGE SCANII RX MOTION SENSOR
- FALCON 8200 SERIES AUTO DOOR OPERATOR
- LCN SINGLE GANG BOX WIRED ACTUATORS
- VON DUPRIN PS902 X 900-2RS
- VON DUPRIN ELECTRIFIED MULLION

#### (10) LCN SINGLE GANG BOX WIRED ACTUATOR

## WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS

2/18 AWG STRANDED FOR ELECTRIC STRIKE FROM POWER SUPPLY

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
4/18 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO MAIN ACTIVATION.
2 WIRES FOR POWER
2 WIRES FOR SIGNAL
4/18 AWG STRANDED FROM EXTERIOR ACTUATOR TO MAIN ACTIVATION. ONE LEG OF SIGNAL WRE TO BE WIRED IN SERIES WITH N/O AUX RELAY CONTACT 2 WIRES FOR POWER 2 WIRES FOR SIGNAL \*\*\*\*2/18 AWG STRANDED TO LOWER ACTUATOR\*\*\*

2/20 AWG STRANDED FROM COM/N.O. TO POWER SUPPLY RELAY

2/20 AWG SHANDED FROM COM/N.O. TO POWER SUPPLY
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:

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DOOR NORMALLY CLOSED AND LOCKED.

ENTRY BY VALID CREDENTAL AT CARD READER OR BY KEY OVER-RIDE.

RIX MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.

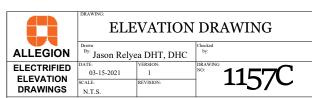
INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)

EXTERIOR ACTUATOR WIRED IN SERIES THROUGH ACCESS CONTROL SYSTEM AUX RELAY SUCH THAT ON VALID CARD OR TIME ZONE

CONTROL ACTUATOR WIRED 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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