



DOOR ELEVATION
N.T.S.

DOOR HARDWARE

- ① JUNCTION BOX BY OTHERS
- ② SCHLAGE 679-05 DOOR POSITION SWITCH
- ③ VON DUPRIN 6400 FSE ELECTRIC STRIKE
- ④ SCHLAGE MT11 OR MT15
- ⑤ SCHLAGE L9485HD X DM X RX
- ⑥ FALCON 8200 SERIES AUTO DOOR OPERATOR
- ⑦ LCN SINGLE GANG BOX WIRED ACTUATORS
- ⑧ VON DUPRIN PS902 X 900-2RS
- ⑨ VON DUPRIN EPT10 POWER TRANSFER, ELECTRIC HINGE OR WIRE LOOP

WIRE REQUIREMENTS

2/20 AWG STRANDED FOR DPS
 2/18 AWG STRANDED FOR ELECTRIC STRIKE FROM POWER SUPPLY
 4/18 AWG STRANDED FOR ELECTRIFIED LOCK
 2 WIRES FOR REQUEST TO EXIT
 2 WIRES FOR DEADBOLT MONITOR SWITCH
 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
 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 SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
 WHEN DEADBOLT IS ENGAGED, DM SWITCH SHUNTS CARD READER AND ACTUATORS
 INTERIOR / EXTERIOR ACTUATORS TO BE WIRED THROUGH AUX RELAY SO THAT ON VALID CARD ACTUATORS
 CAN START OPENING SEQUENCE OF DOOR WHILE ELECTRIC STRIKE IS UNLOCKED. IF DEADBOLT IS THROWN ACTUATORS WILL NOT
 FUNCTION PREVENTING UNAUTHORIZED ENTRY.
 KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.
 FREE EGRESS AT ALL TIMES.

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| ALLEGION ELECTRIFIED ELEVATION DRAWINGS | DRAWING: ELEVATION DRAWING | |
| | Drawn By: Jason Relyea DHT, DHC | Checked by: |
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| | SCALE: N.T.S. | REVISION: |
| | | DRAWING NO: 2040C |

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