



DOOR ELEVATION
N.T.S.

DOOR HARDWARE

- ① JUNCTION BOX BY OTHERS
- ② NOT USED
- ③ VON DUPRIN QEL / MEL EXIT DEVICE (24 VDC)
- ④ NOT USED
- ⑤ SCHLAGE 653-04 L2 KEYSWITCH
- ⑥ LCN AUTO EQUALIZER AUTO DOOR OPERATOR
- ⑦ LCN SINGLE GANG BOX WIRED ACTUATORS
- ⑧ VON DUPRIN PS902 X 900-2RS X 900-FA
- ⑨ VON DUPRIN ELECTRIC POWER TRANSFER

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 KEY AT RIM CYLINDER
 INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)
 EXTERIOR ACTUATOR WIRED IN SERIES THROUGH KEYSWITCH RELAY SUCH THAT ACTUATOR CAN BE PRESSED TO START OPENING CYCLE WHEN KEYSWITCH IS TURNED ON.
 FREE EGRESS AT ALL TIMES.

WIRE REQUIREMENTS

- 2/18 AWG STRANDED FOR ELECTRIFIED EXIT DEVICE
- 2 WIRES FOR LATCH RETRACTION POWER
- 2/20 AWG STRANDED FROM INTERIOR ACTUATOR DIRECT TO SLOT 17
- 2/20 AWG STRANDED FROM EXTERIOR ACTUATOR. ONE LEG OF SIGNAL WIRE TO BE WIRED IN SERIES WITH KEYSWITCH N/O CONTACTS.
- 4/18 AWG STRANDED FROM KEYSWITCH TO AUTO OPERATOR
- 2/18 AWG STRANDED FOR KEYSWITCH POWER.
- 2/18 AWG STRANDED FOR KEYSWITCH SIGNAL. ONE LEG TO BE WIRED IN SERIES WITH N/O KEYSWITCH RELAY CONTACT
- 2/20 AWG STRANDED FROM SLOT 22/23 TO POWER SUPPLY RELAY

INTEGRATOR TO VERIFY REQUIREMENTS AND PROVIDE AS REQUIRED FOR SYSTEM DESIGN.
 ANY WIRE RUNS GREATER THAN 200 FEET VERIFY GAUGE WITH MANUFACTURER.

 ALLEGION ELECTRIFIED ELEVATION DRAWINGS	DRAWING: ELEVATION DRAWING	
	Drawn By: Jason Relyea DHT, DHC	Checked by:
	DATE: 03-15-2021	VERSION: 1
	SCALE: N.T.S.	REVISION:
DRAWING NO: 3455		

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