



DOOR ELEVATION
N.T.S.

DOOR HARDWARE

- ① JUNCTION BOX BY OTHERS
- ② NOT USED
- ③ VON DUPRIN 6400 FSE ELECTRIC STRIKE
- ④ NOT USED
- ⑤ SCHLAGE L9456HD (OR EQUAL) X DM
- ⑥ FALCON 8200 SERIES AUTO DOOR OPERATOR
- ⑦ LCN SINGLE GANG BOX WIRED ACTUATORS
- ⑧ VON DUPRIN EPT10 POWER TRANSFER, ELECTRIC HINGE OR WIRE LOOP

WIRE REQUIREMENTS

2/18 AWG STRANDED FOR ELECTRIC STRIKE
 2/18 AWG STRANDED FOR ELECTRIFIED LOCK
 2 WIRES FOR DEADBOLT MONITOR SWITCH
 2/20 AWG STRANDED FROM ACTUATORS TO MAIN ACTIVATION. WIRE ONE LEG THROUGH DM SWITCH IN MORTISE LOCK
 WIRE LOW ACTUATOR IN PARALLEL WITH ACTUATOR ABOVE
 2/18 AWG FROM ADO TO ELECTRIC STRIKE (REQUIRES BRIDGE RECTIFIER TO CONVERT AC PUTPUT TO DC FOR ELECTRIC STRIKE)
 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 UNLOCKED.
 WHEN DEADBOLT IS ENGAGED, DM SWITCH SHUNTS ACTUATORS
 INTERIOR / EXTERIOR ACTUATORS TO BE WIRED THROUGH DM SWITCH IN MORTISE LOCK SO THAT WHEN DEADLOCK IS ENGAGED DOOR AUTO OPERATOR WILL NOT START OPENING CYCLE PREVENTING UNAUTHORIZED ACCESS
 KEY OVER-RIDE WILL RETRACT DEADLATCH
 FREE EGRESS AT ALL TIMES.

 ALLEGION ELECTRIFIED ELEVATION DRAWINGS	DRAWING: ELEVATION DRAWING		Checked by:
	Drawn By: Jason Relyea DHT, DHC		DRAWING NO: 2049C
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