

DOOR HARDWARE

- ① POWER SUPPLY
- ② CARD READER
- ③ ELECTRIFIED LOCKSET 12/24VDC
- ④ DOOR POSITION SWITCH
- ⑤ JUNCTION BOX BY OTHERS (VERIFY SIZE)
- ⑥ ELECTRIC POWER TRANSFER, ELECTRIFIED HINGE OR WIRE LOOP
- ⑦ PIR MOTION SENSOR

WIRE REQUIREMENTS (VERIFY WITH MANUFACTURER)


2/20 AWG STRANDED FOR DPS
 2/18 AWG STRANDED FOR ELECTRIFIED LOCKSET
 4/18 AWG STRANDED FOR MOTION SENSOR
 2 WIRES FOR POWER
 2 WIRES FOR REQUEST TO EXIT SIGNAL
 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 AT LOCK.
 REQUEST TO EXIT SWITCH / SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
 KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM
 FREE EGRESS AT ALL TIMES.

 ALLEGION ELECTRIFIED ELEVATION DRAWINGS	DRAWING: ELEVATION DRAWING		
	Drawn By: Jason Relyea DHT, DHC	Checked by:	
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	SCALE: N.T.S.	REVISION:	

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