

PLENUM RATED COMPOSITE CABLE BY INTEGRATOR
(ALL POWER BY ACCESS CONTROL PANEL)

JUNCTION
BOX

CEILING LINE

NOTE:

CONSULT YOUR LOCAL AHJ FOR PERMISSIBLE LOCATIONS OF MAGLOCK INSTALLATIONS.

Per IBC 2018 1010.1.10 Sensor Release of Electrically locked egress doors require touch bar located on door and fire alarm or sprinkler to unlock door.

PUSH TO EXIT

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Unless additional locking hardware is on door, Maglocks not advisable for exterior doors. On Power failure maglock is not energized.

FINISHED FLOOR

DOOR ELEVATION
N.T.S.

DOOR HARDWARE

- ① JUNCTION BOX BY OTHERS
- ② SCHLAGE 679-05 DOOR POSITION SWITCH
- ③ SCHLAGE M400 SERIES MAGLOCK
- ④ SCHLAGE MT11 OR MT15
- ⑤ SCHLAGE 620 SERIES DELAYED ACTION PUSHBUTTON OVER-RIDE
- ⑥ VON DUPRIN 672 SERIES TOUCH SENSE BAR
- ⑦ VON DUPRIN PS902 X 900-2RS X 900-FA

WIRE REQUIREMENTS


2/20 AWG STRANDED FOR DPS
 2/18 AWG STRANDED FOR MAGNETIC LOCK POWER
 2/18 AWG STRANDED FOR PUSHBUTTON OVER-RIDE
 MAGLOCK POWER TO INTERRUPTED THROUGH DELAYED ACTION PUSHBUTTON OVER-RIDE
 2/18 AWG STRANDED FOR TOUCH SENSE
 6/22 AWG SHIELDED TO CARD READER. VERIFY REQUIREMENTS W/ CARD READER MANUFACTURER.
 2/18 AWG STRANDED FOR NORMAL CLOSED FIRE ALARM CONTACT
 DIRECT INTERRUPT OF POWER TO MAGLOCK
 PLENUM RATED CABLE FROM ACCESS PANEL TO J-BOX
 INTEGRATOR TO VERIFY REQUIREMENTS AND PROVIDE AS REQUIRED FOR SYSTEM DESIGN.
 **RX SWITCH, FIRE ALARM CONTACTS, ACCESS CONTROL RELAY AND PUSHBUTTON TO ALL BE WIRED IN SERIES OF THE POWER PROVIDED TO MAGLOCK.
 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:

DOORS NORMALLY CLOSED AND LOCKED.
 PRESENT VALID CREDENTIAL TO CARD READER TO RELEASE MAGLOCK. TIME DETERMINE BY ACCESS CONTROL SYSTEM.
 TOUCH SENSOR TO SHUNT DOOR FORCED ALARM, DE-ENERGIZE MAGLOCK FOR FREE EGRESS.
 EMERGENCY OVER-RIDE PUSHBUTTON TO BE LOCATED WITHIN 5 FEET OF OPENING
 ON FIRE ALARM, MAGNETIC LOCK TO DE-ENERGIZE ALLOWING FREE EGRESS.

 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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