

CATEGORY 5E OR 6 NETWORK CABLE  
TO PoE NETWORK SWITCH

120 VAC

POWER SUPPLY

6/18 AWG STRANDED

JUNCTION BOX

NOTE:

ISONAS RC-04 PIGTAIL IS NOT PLENUM RATED.  
PROVIDED METALLIC CONDUIT FROM J-BOX TO WALL

CEILING LINE

- 2/18 AWG STRANDED FOR EACH EXIT DEVICE
- 4/18 AWG STRANDED FOR MOTION SENSOR
- 2/18 AWG STRANDED FOR DOOR POSITION
- 2/18 AWG FROM DPDT RELAY TO ADO
- 2/18 AWG FROM POWER SUPPLY TO ADO

120 VAC

P6  
P10  
P7

2/18 AWG STRANDED  
TO AUTO EQUALIZER

SGL GANG  
BOX REQ'D  
PUSH SIDE  
OF DOOR

2/18 AWG STRANDED  
TO AUTO EQUALIZER

SGL GANG  
BOX REQ'D  
PULL SIDE  
OF DOOR

ISONAS RC-04 PIGTAIL  
25 FT OR AS REQ'D

CAT-5E OR 6 NETWORK  
CABLE TO J-BOX

SGL GANG  
BOX REQ'D

38"-42" AFF

FINISHED FLOOR

DOOR ELEVATION  
N.T.S.

DOOR HARDWARE


- 1 JUNCTION BOX BY OTHERS
- 2 SCHLAGE DOOR POSITION SWITCH
- 3 VON DUPRIN QEL OR FALCON MEL EXIT DEVICE (24VDC)
- 4 ISONAS RC-04 CARD READER
- 5 VON DUPRIN EPT-10 POWER TRANSFER, ELECTRIFIED HINGE OR WIRE LOOP
- 6 LCN SENIOR SWING AUTOMATIC DOOR OPERATOR
- 7 VON DUPRIN PS902 X 900-2RS POWER SUPPLY (24VDC OUTPUT)
- 8 LCN SINGLE GANG BOX WIRED ACTUATORS
- 9 SCHLAGE SCANII RX MOTION SENSOR (12VDC)
- 10 12/24VDC DPDT THROW RELAY (MOUNT IN J-BOX)

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 MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.  
INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)  
EXTERIOR ACTUATOR WIRED IN SERIES THROUGH ACCESS CONTROL SYSTEM AUX RELAY SUCH THAT ON VALID CARD OR TIME ZONE CONTROL ACTUATOR CAN BE PRESSED TO START OPENING CYCLE.  
KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.  
FREE EGRESS AT ALL TIMES.

 <b>ALLEGION</b> <b>ELECTRIFIED ELEVATION DRAWINGS</b>	DRAWING: <b>ELEVATION DRAWING</b>	
	Drawn By: <b>Jason Relyea DHT, DHC</b>	Checked by:
DATE: 11-15-2021	VERSION: 1	DRAWING NO: <b>9026</b>
SCALE: N.T.S.	REVISION:	

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