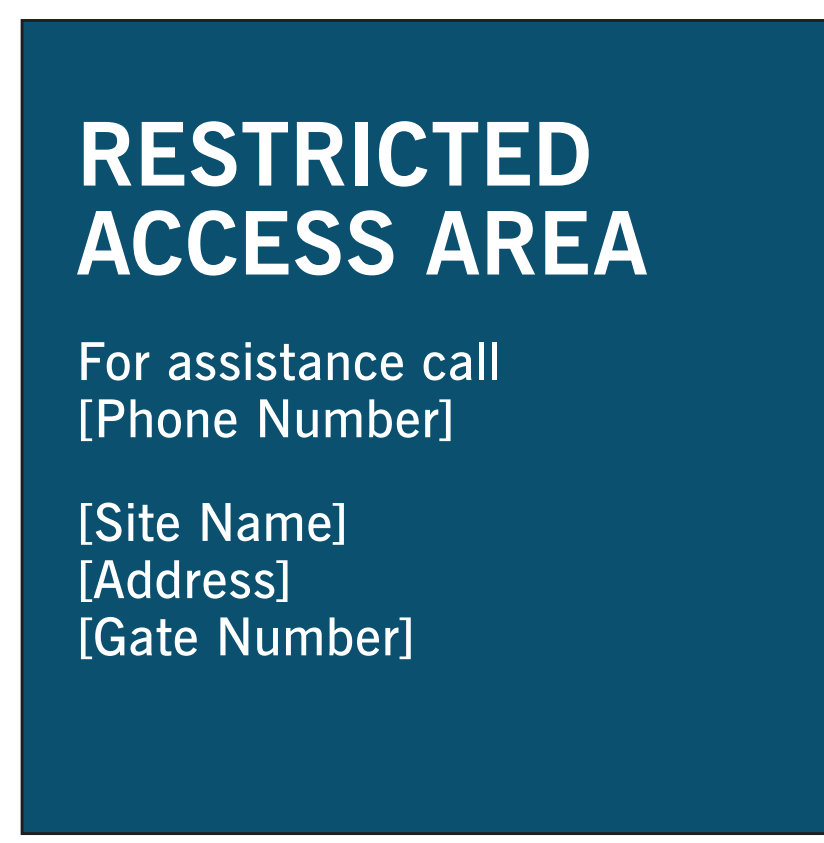


General Security Signage Standards



#1

#2

COLORS & FINISHES:

- PMS 123 C
Panel background
- Black
Print graphics

CONSTRUCTION SPECIFICATIONS:

Panel:
.080" aluminum w/ FULL DPV

Mounting Provision:
DS tape, silicone

NOTE: For install locations on glass, provide second surface white vinyl backer

COLORS & FINISHES:

- Paint to match PMS 3025 C
Panel (all sides)
- Paint to match PMS 186 C
Panel (all sides)
- Paint to match PMS 130 C
Panel (all sides)

DIGITAL PRINT COLORS: (White Vinyl)

- PMS 3025 C
Panel background
- PMS 186 C
Panel background
- PMS 130 C
Panel background
- White
Copy

CONSTRUCTION SPECIFICATIONS:

Panel:
1/4" Acrylic W/
Full Sheet Digital Print Vinyl

Glass Backer:
2nd Surface Vinyl

MOUNTING HARDWARE:
DF Tape
GE 100% Clear Silicone #LW012A

- Paint to match PMS 3025 C
Panel (all sides)
- Paint to match PMS 186 C
Panel (all sides)
- Paint to match PMS 130 C
Panel (all sides)

DIGITAL PRINT COLORS: (White Vinyl)

- PMS 3025 C
Panel background
- PMS 186 C
Panel background
- PMS 130 C
Panel background
- White
Copy

CONSTRUCTION SPECIFICATIONS:

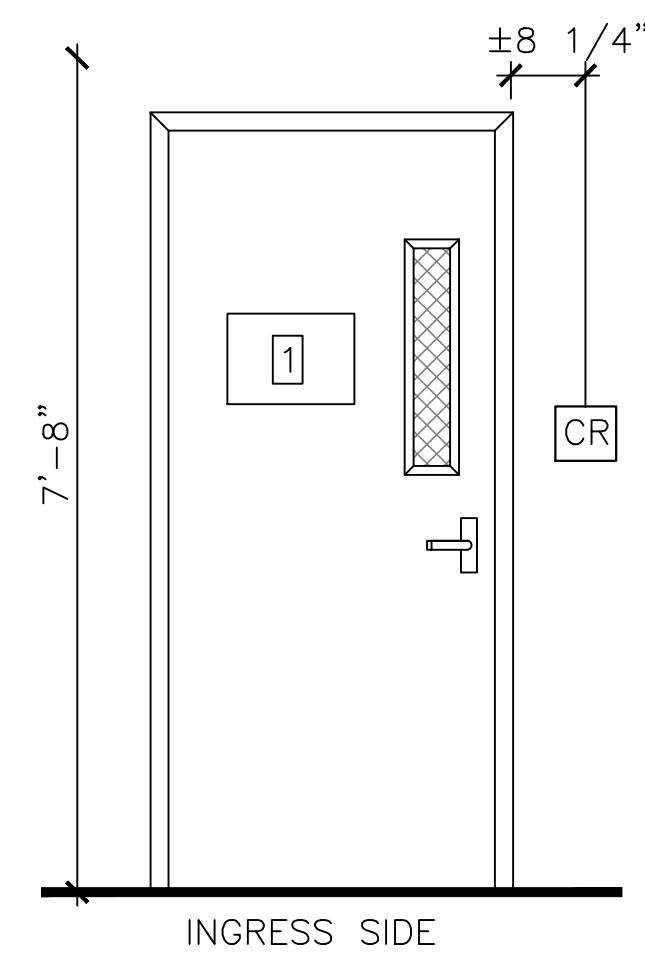
Panel:
1/4" Acrylic W/
Full Sheet Digital Print Vinyl

Glass Backer:
2nd Surface Vinyl

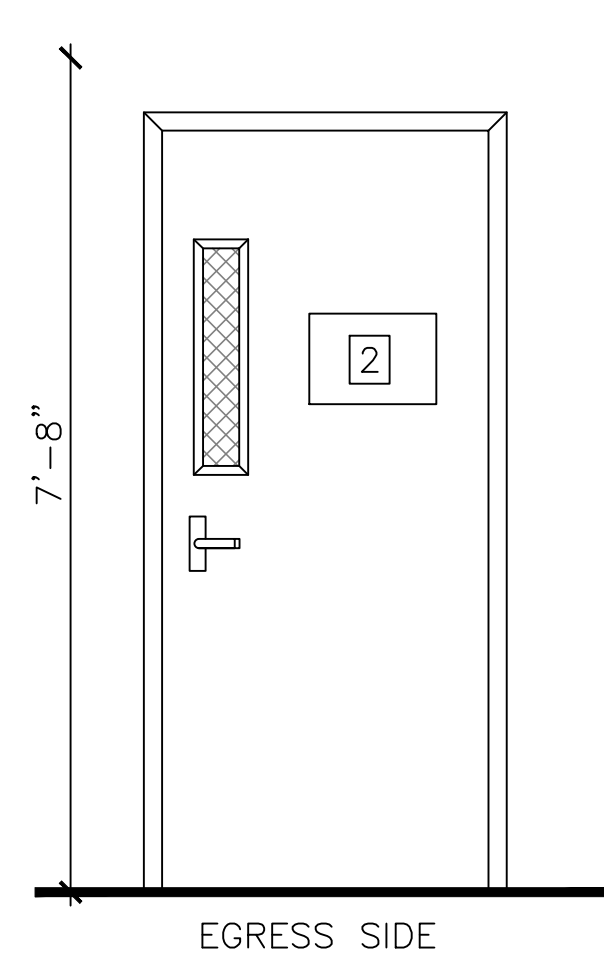
MOUNTING HARDWARE:
DF Tape
GE 100% Clear Silicone #LW012A



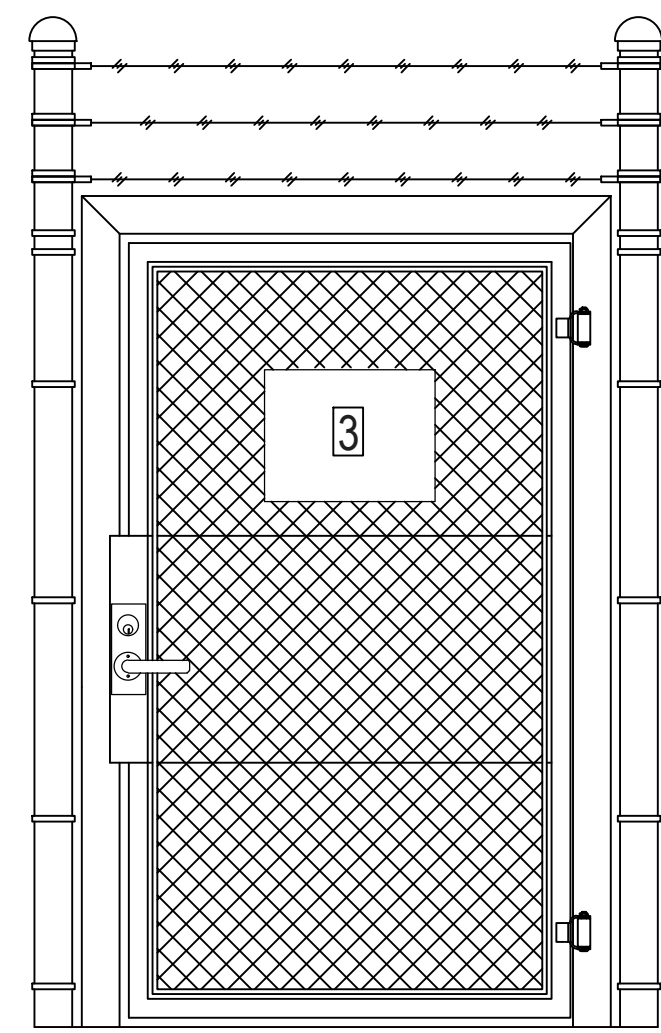
#3



SINGLE DOOR W/ CARD READER



EGRESS SIDE

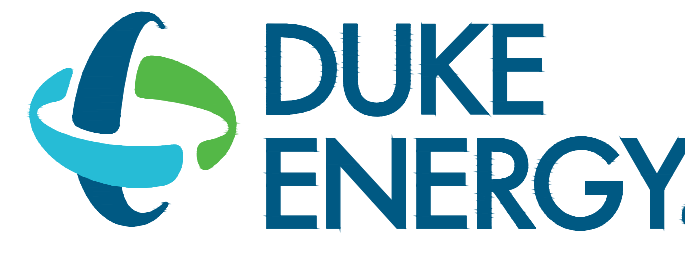


PEDESTRIAN GATE - INGRESS SIDE

General Notes:

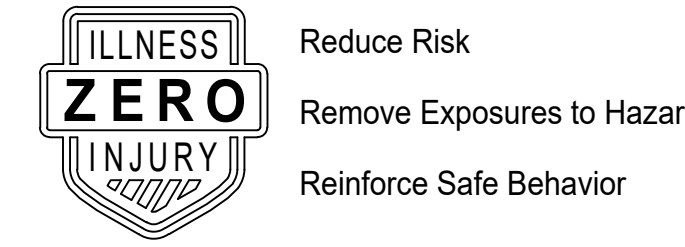
- Vehicle & Pedestrian gates mounted with the top of the sign 62 1/2" above grade.
- Perimeter Fencing attached to the unsecured side of the fence and mounted 62 1/2" above grade and installed in a manner so that the property boundary is clearly and readily identified with spacing not to exceed 300 linear ft.
- Final sign placement and locations shall be determined during project design.
- Contractor is responsible to review final sign locations and requirements with the Project Manager.

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CHARLOTTE, NC 28201

Safety Expectations:



SEAL

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OPERATIONS CENTER

DUNN, NC

MARK	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
1	09/22/23	CLIENT CHANGES	BP		
2	05/24/23	ISSUED FOR CONSTRUCTION	BP		

PROJECT NO: 00000
DRAWING NUMBER: CFD-PN0000-EY-0003-00000000
ELECTRONIC FILE NAME: EY-0003
DRAWN BY: BP 05/24/23
CHK'D BY: BP 05/24/23
E-MAIL: BPAINTER@PAYINTERCONSULTING.COM

SHEET TITLE:
**SIGN PACKAGE
PHYSICAL SECURITY**

SHEET NO.

EY-0003

CAMERA SCHEDULE				
CAMERA #	MODEL	MOUNT	PoE INJECTOR	NOTE
1	24C-H4A-3MH-270	CORNER	YES	PoE Switch VMS-1
2	24C-H4A-3MH-180	WALL	YES	PoE Switch VMS-2
3	24C-H4A-3MH-270	CORNER	YES	PoE Switch VMS-2
4	24C-H4A-3MH-270	CORNER	YES	PoE Switch VMS-2
5	24C-H4A-3MH-180	WALL	YES	PoE Switch VMS-2
6	24C-H4A-3MH-270	CORNER	YES	PoE Switch VMS-1
7	4.0C-H5A-DO1-IR	CEILING		PoE Switch VMS-1
8	4.0C-H5A-DO1-IR	CEILING		PoE Switch VMS-1
9	4.0C-H5A-DO1-IR	CEILING		PoE Switch VMS-1
10	4.0C-H5A-DO1-IR	CEILING		PoE Switch VMS-1
11	4.0C-H5A-DO1-IR	CEILING		PoE Switch VMS-1
12	4.0C-H5A-DO1-IR	WALL		PoE Switch VMS-1

GENERAL SHEET NOTES

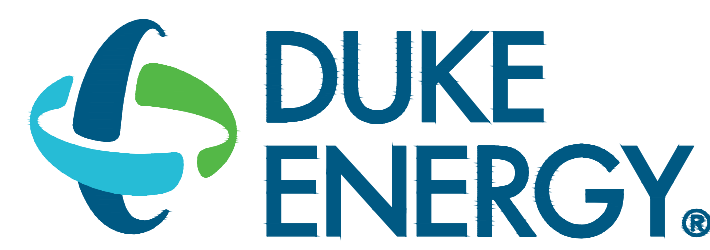
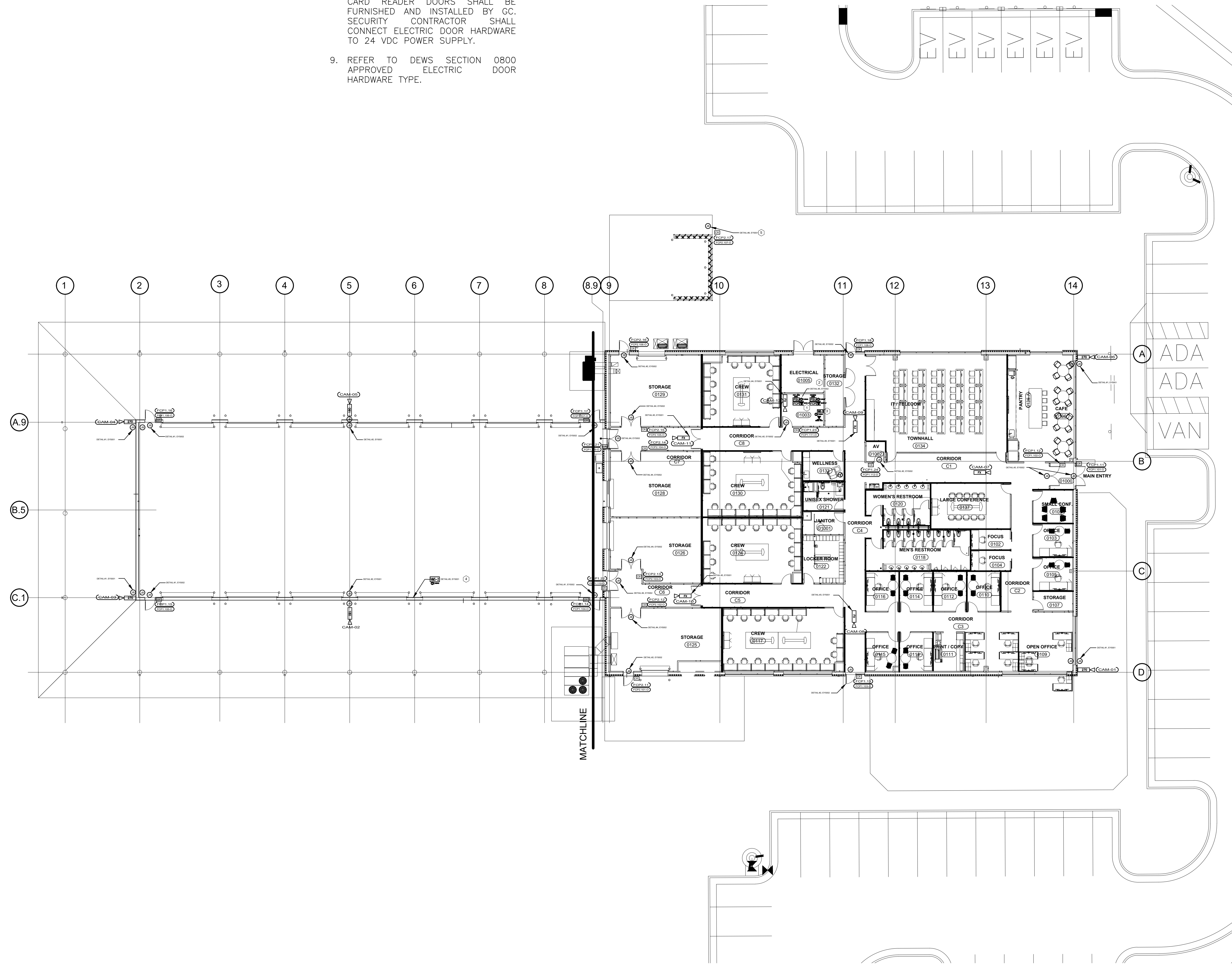
- REFER TO SHEET EY-0002 FOR SYMBOL LEGEND, PROJECT NOTES.
- DUKE ENERGY TELECOM TO PROVIDE ONE (1) STATIC IP ADDRESS FOR THE FCP SHOWN ON THE DRAWINGS.
- DUKE ENERGY TELECOM TO PROVIDE TWO (2) STATIC IP ADDRESSES FOR THE VMS SERVER.
- MOTOROLA SOLUTIONS TO FURNISH AND INSTALL CAMERAS, CAMERA MOUNTING BRACKETS, CAT 6 CABLE, VMS SERVER AND VMS PoE SWITCH.
- MOTOROLA SOLUTIONS TO PROVIDE VMS LICENSES, SYSTEM CONFIGURATION, AND COMMISSIONING.
- SECURITY CONTRACTOR TO FURNISH AND INSTALL ALL PACS EQUIPMENT, LOW VOLTAGE CABLE, AND COMMISSIONING.
- GC SHALL PROVIDE AND INSTALL SECURITY SIGNS FOR CARD READER DOORS SHOWN ON THE DRAWING. REFERENCE EY-0003 AND DEWS SECURITY SIGN STANDARDS.
- ELECTRICAL DOOR HARDWARE FOR CARD READER DOORS SHALL BE FURNISHED AND INSTALLED BY GC. SECURITY CONTRACTOR SHALL CONNECT ELECTRIC DOOR HARDWARE TO 24 VDC POWER SUPPLY.
- REFER TO DEWS SECTION 0800 APPROVED ELECTRIC DOOR HARDWARE TYPE.

SHEET KEY NOTES

- ELECTRICAL CONTRACTOR TO PROVIDE ONE WALL MOUNTED DEDICATED 120VAC ELECTRICAL CONNECTION FOR FCP AND 12 / 24 VDC POWER SUPPLY CABINETS. COORDINATE LOCATION OF ELECTRICAL CONNECTION WITH SECURITY CONNECTION.
- APPROXIMATE LOCATION OF WALL MOUNTED FCP AND POWER SUPPLY CABINETS. REFER TO DETAIL FOR CONDUIT AND POWER REQUIREMENTS.
- APPROXIMATE LOCATION OF WALL MOUNTED VIDEO MANAGEMENT EQUIPMENT CABINET. REFER TO DETAIL PAGE FOR CONDUIT AND POWER REQUIREMENTS.
- APPROXIMATE LOCATION OF REMOTE POE SWITCH FOR VIDEO MANAGEMENT SYSTEM. REFER TO DETAIL PAGE FOR CONDUIT AND POWER REQUIREMENTS.
- INSTALL NEW MERCHANT METALS TUF-GUARD PEDESTRIAN GATE WITH ELECTRIFIED HARDWARE AND LOW PROFILE CARD READER PEDESTAL.

ELECTRICAL AND DATA SYMBOLS

- DENOTES CONDUIT ROUGH-IN FOR SECURITY DEVICE. REFER TO DEVICE DETAIL FOR MORE INFORMATION.
- DENOTES DEDICATED, UNSWITCHED, 120VAC ELECTRICAL CONNECTION FOR PACS EQUIPMENT.
- DENOTES DATA CONNECTION FOR PACS AND VMS EQUIPMENT.



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Safety Expectations:

ILLNESS ZERO INJURY

- Reduce Risk
- Remove Exposures to Hazards
- Reinforce Safe Behavior

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SEAL
DUNN OPERATIONS
DUNN, NC

MARK	DATE	REVISION	CLIENT CHANGES
1	09/22/23	BP	CLIENT CHANGES
2	09/11/23	BP	VERSION
3	05/24/23	BP	ISSUED FOR CONSTRUCTION

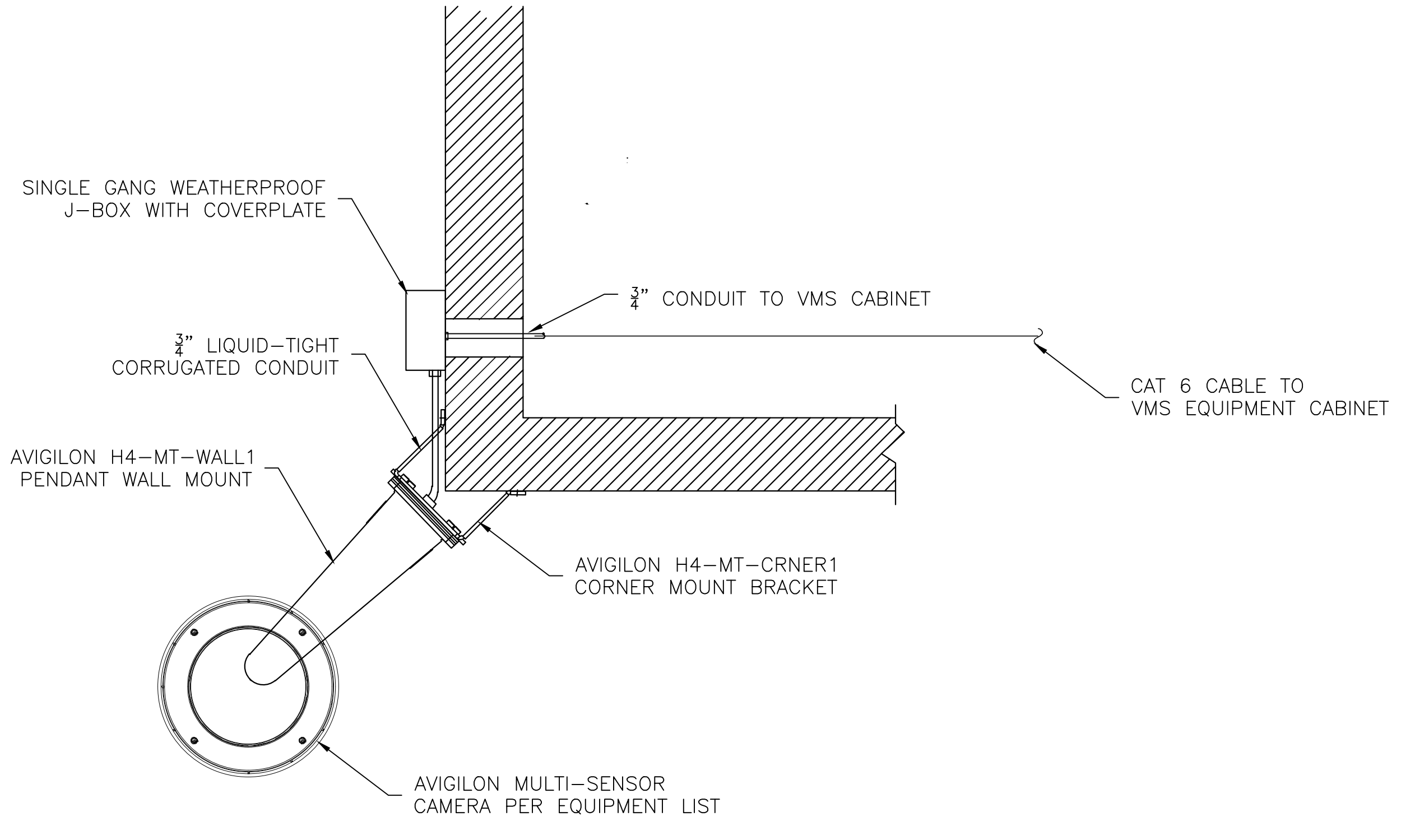
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DRAWING NUMBER: CFD-PN0000-EY-0110-00000000
ELECTRONIC FILE NAME: EY-0110
DRAWN BY: BP 09/11/23
CHK'D BY: BP 09/11/23
E-MAIL: BPAINTER@PAYINTERCONSULTING.COM

SHEET TITLE:
**BUILDING PLAN
PHYSICAL SECURITY**

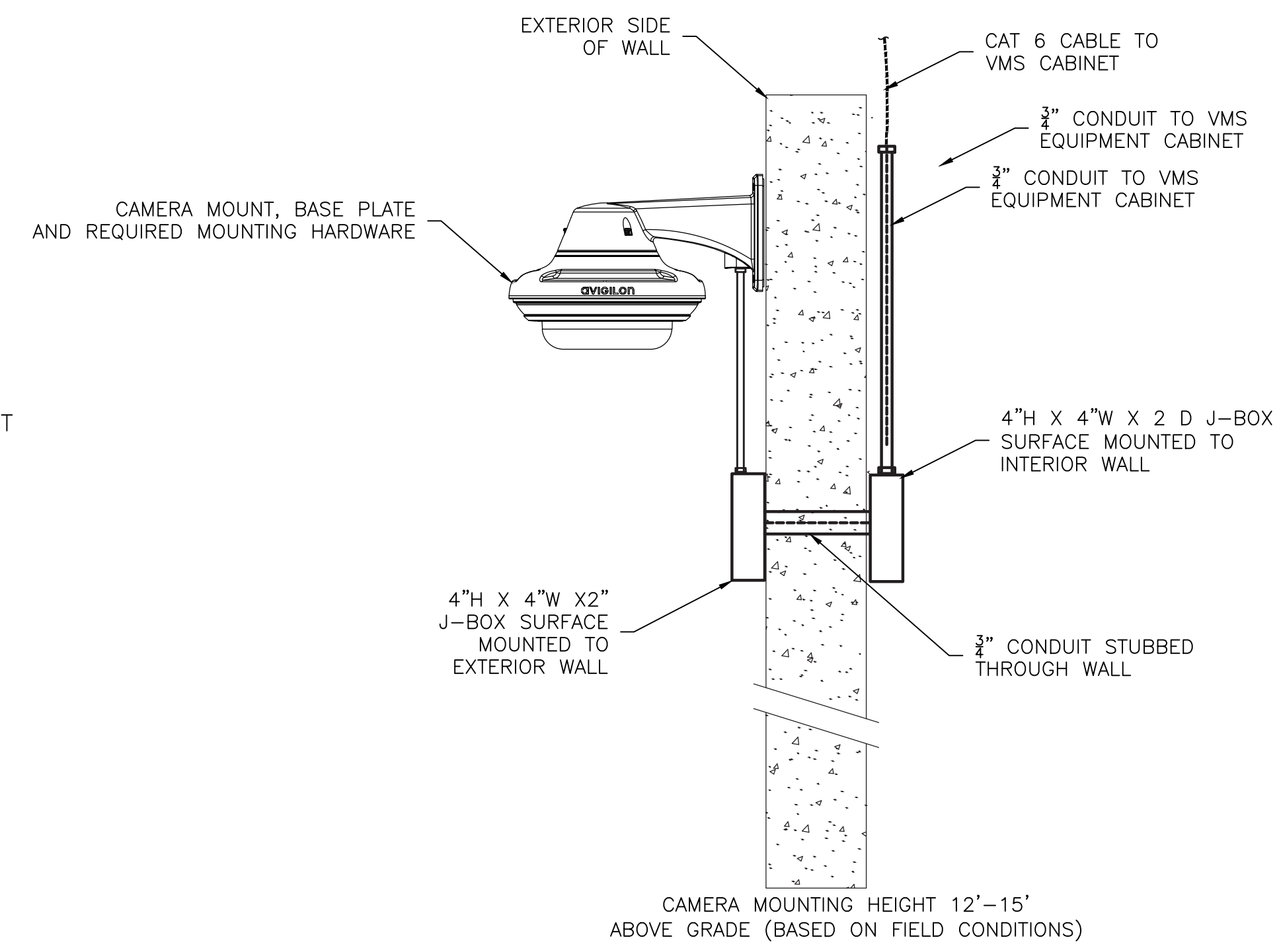
SHEET NO:
EY-0110

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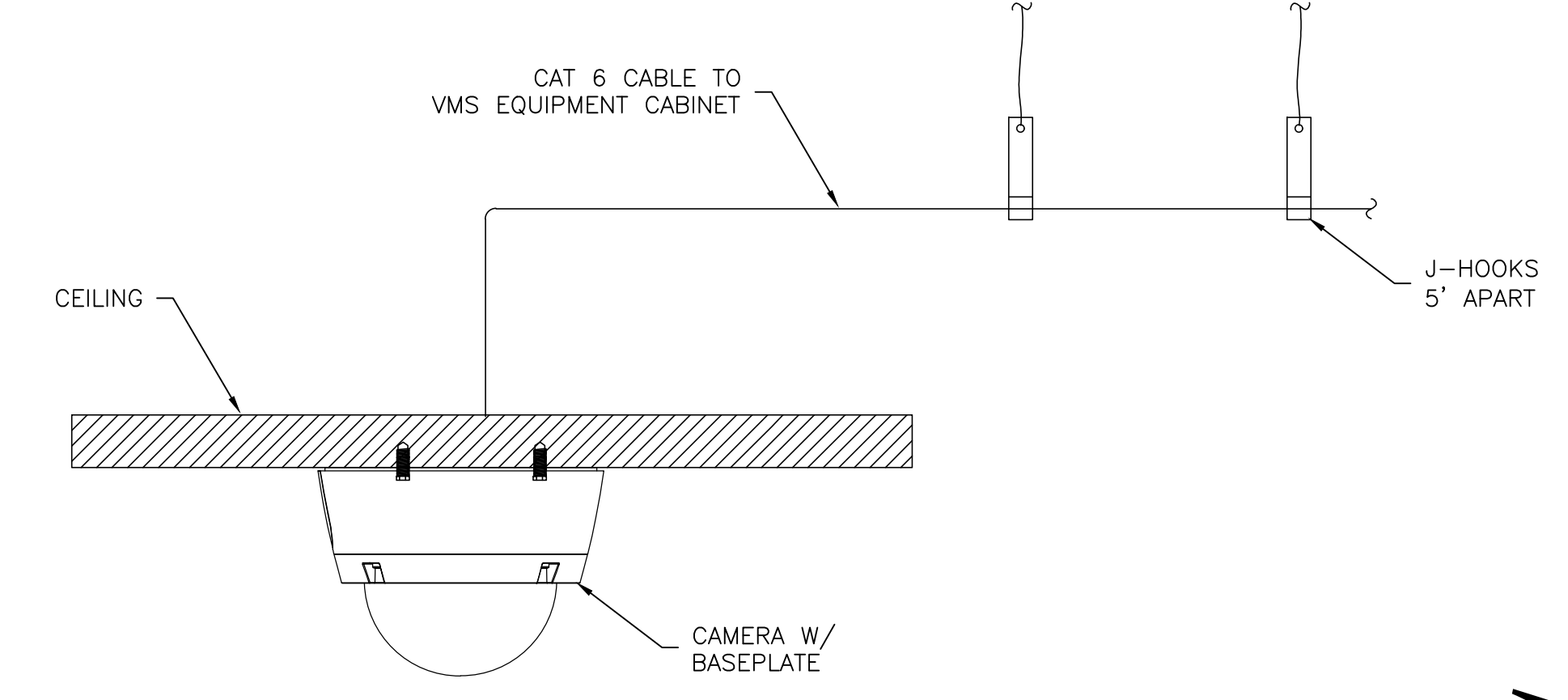
H
G
F
E
D
C
B
A



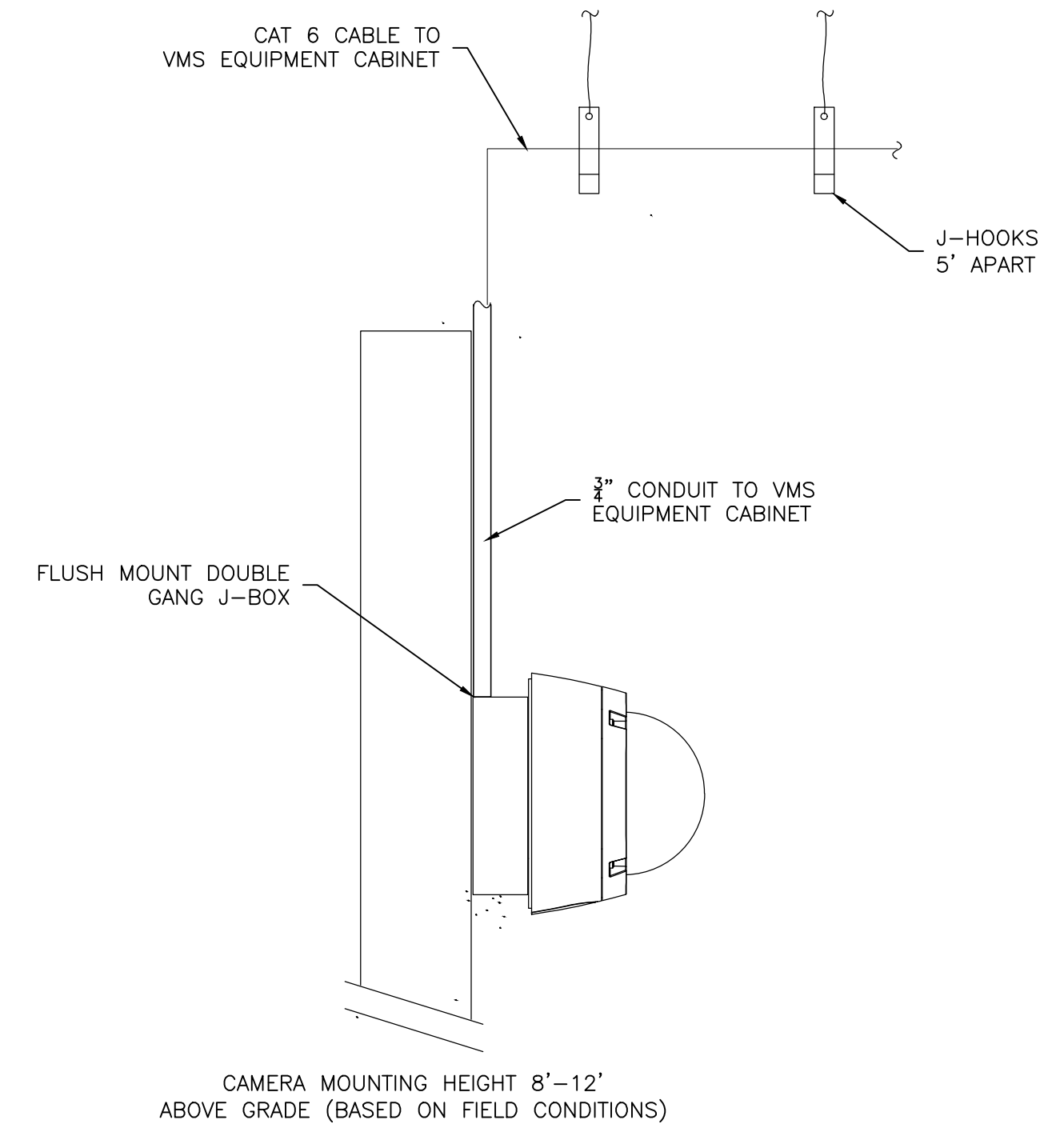
1 TYPICAL - EXTERIOR CORNER MOUNT CAMERA SCALE: NTS



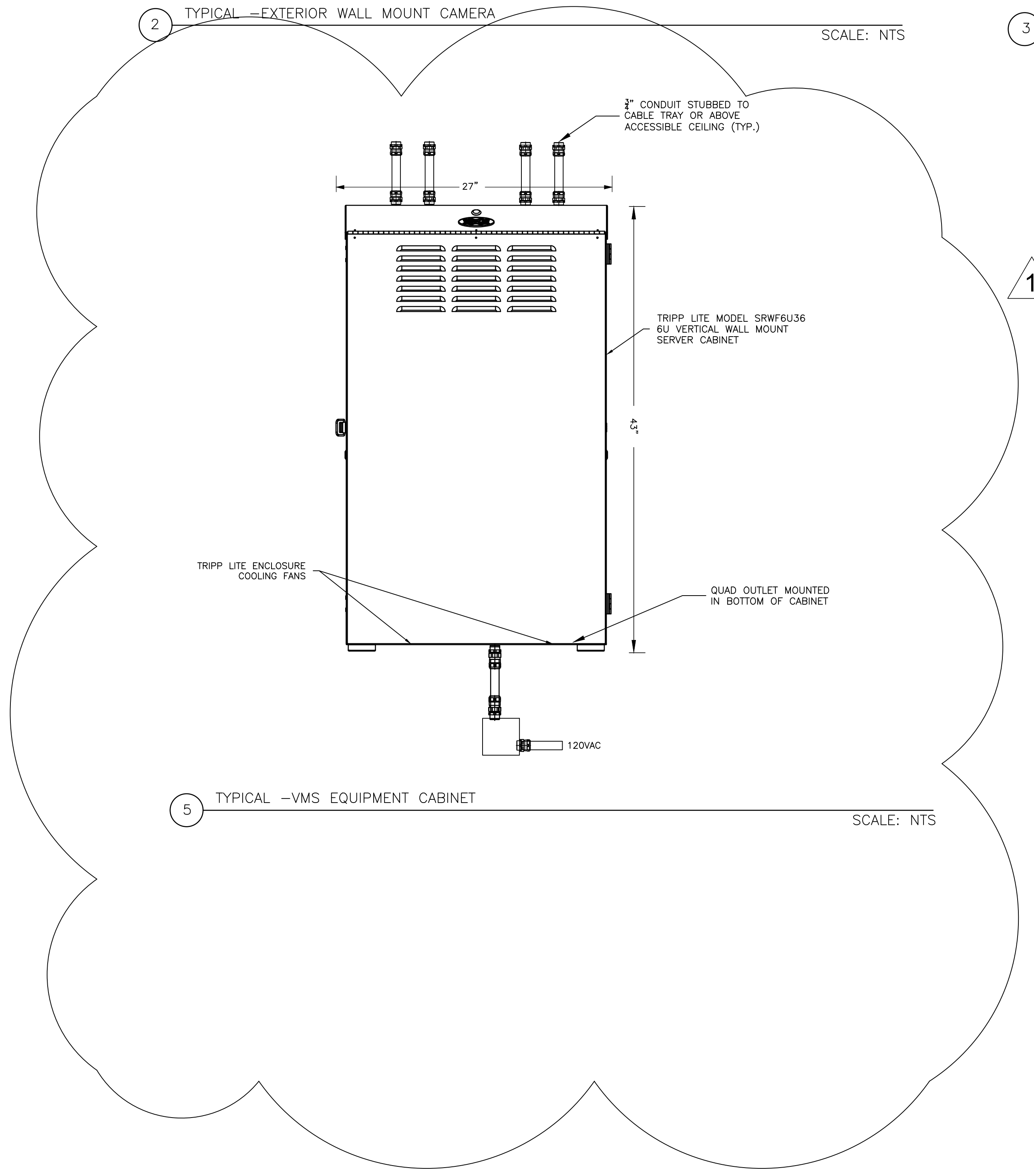
2 TYPICAL - EXTERIOR WALL MOUNT CAMERA SCALE: NTS



3 TYPICAL - CEILING MOUNTED CAMERA SCALE: NTS

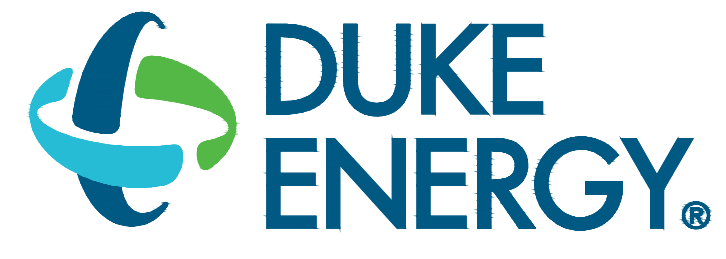


4 TYPICAL - INTERIOR WALL MOUNT CAMERA SCALE: NTS



5 TYPICAL - VMS EQUIPMENT CABINET SCALE: NTS

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CHARLOTTE, NC 28201

Safety Expectations:

ILLNESS	Reduce Risk
ZERO INJURY	Remove Exposures to Hazards
PROPERTY	Reinforce Safe Behavior

SEAL

DUNN OPERATIONS
OPERATIONS CENTER

DUNN, NC

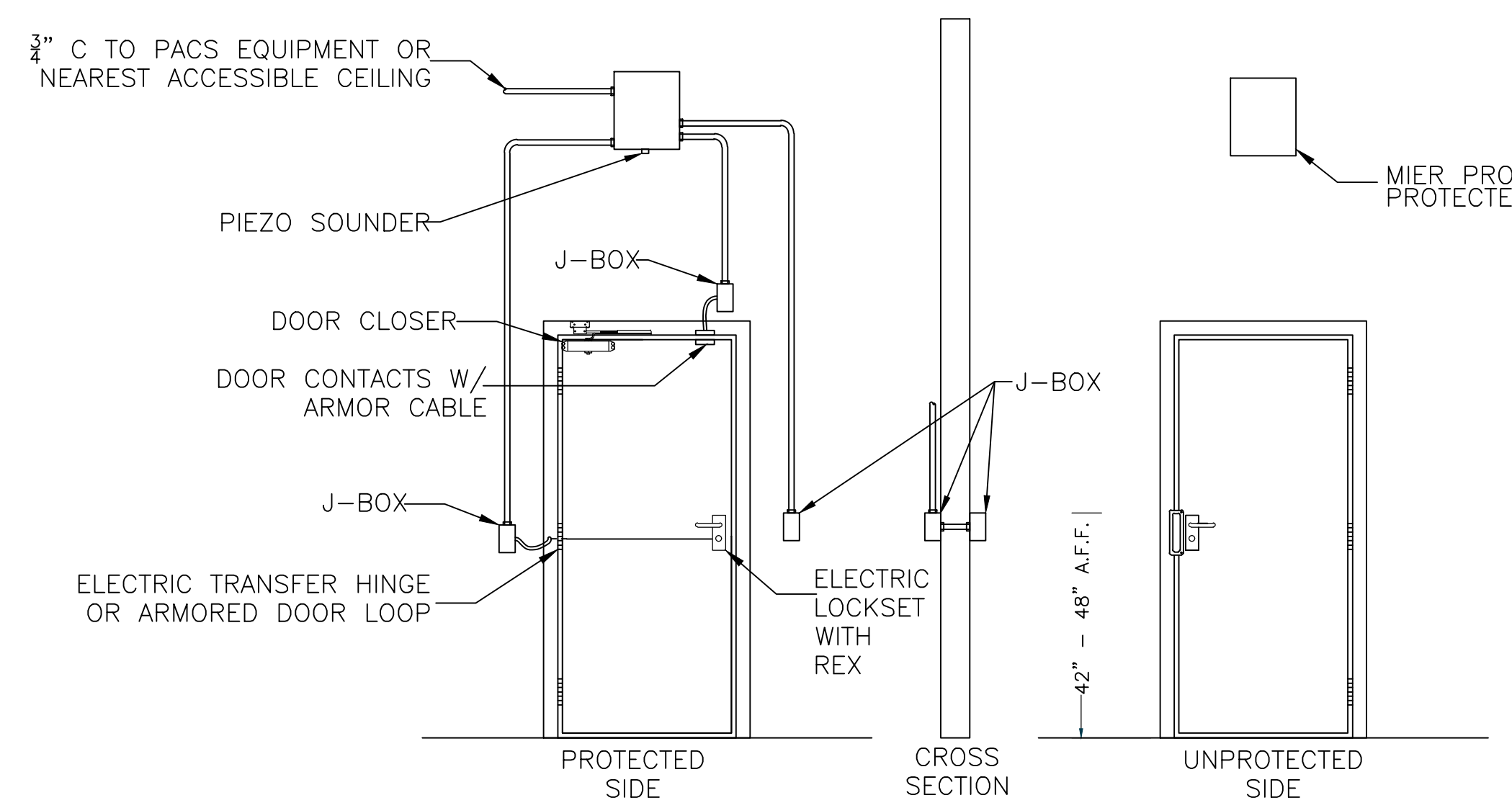
MARK	DATE	BY	REVISION
1	09/22/23	BP	CLIENT CHANGES
2	05/24/23	BP	ISSUED FOR CONSTRUCTION
3			
4			
5			
6			
7			
8			
9			
10			

PROJECT NO: 00000
DRAWING NUMBER: CFD-PN0000-EY-5001-0000000
ELECTRONIC FILE NAME: EY-5001
DRAWN BY: BP 05/24/23
CHK'D BY: BP 05/24/23
E-MAIL: BPYINTER@PAYINTERCONSULTING.COM

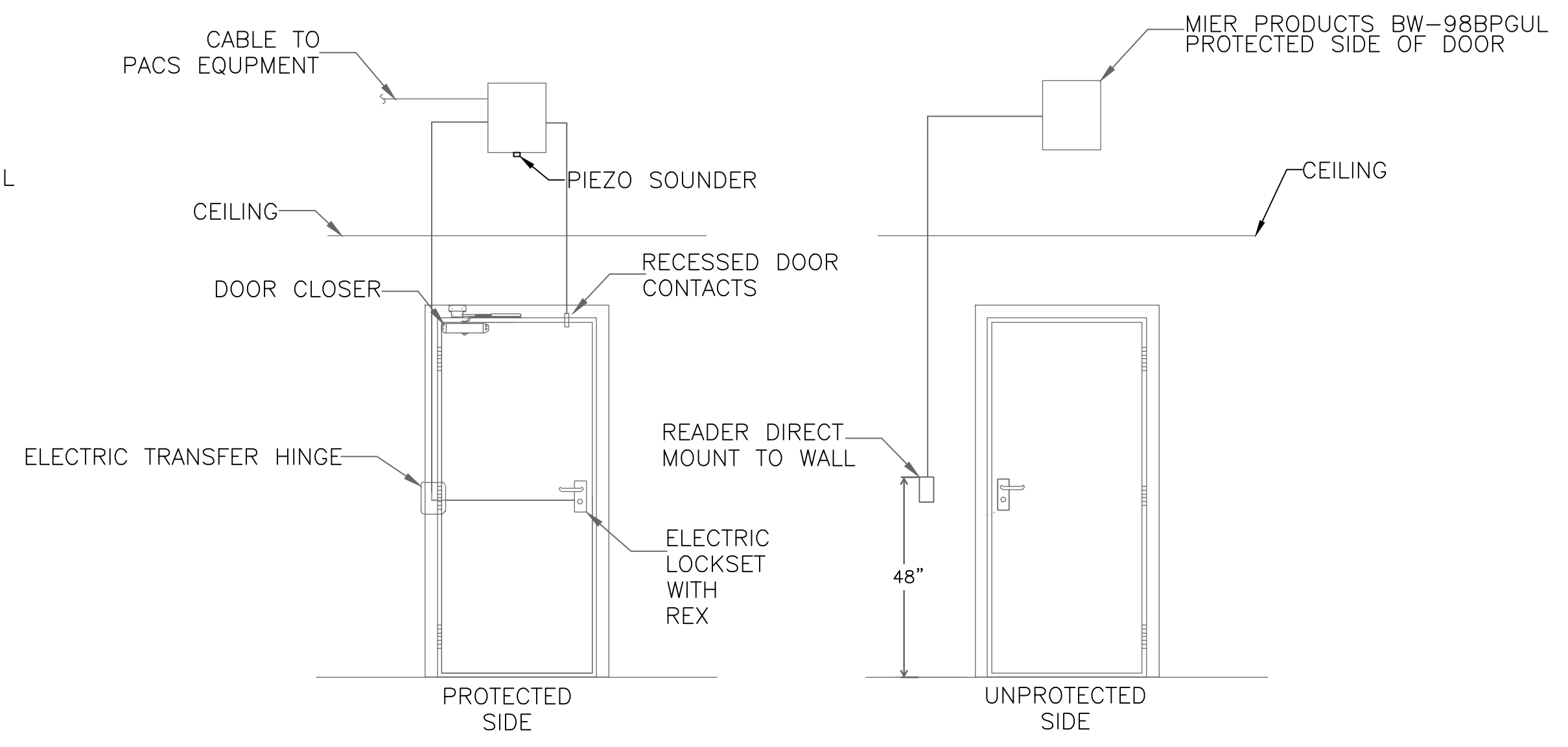
SHEET TITLE:
**INSTALLATION DETAILS
PHYSICAL SECURITY**

SHEET NO:
EY-5001

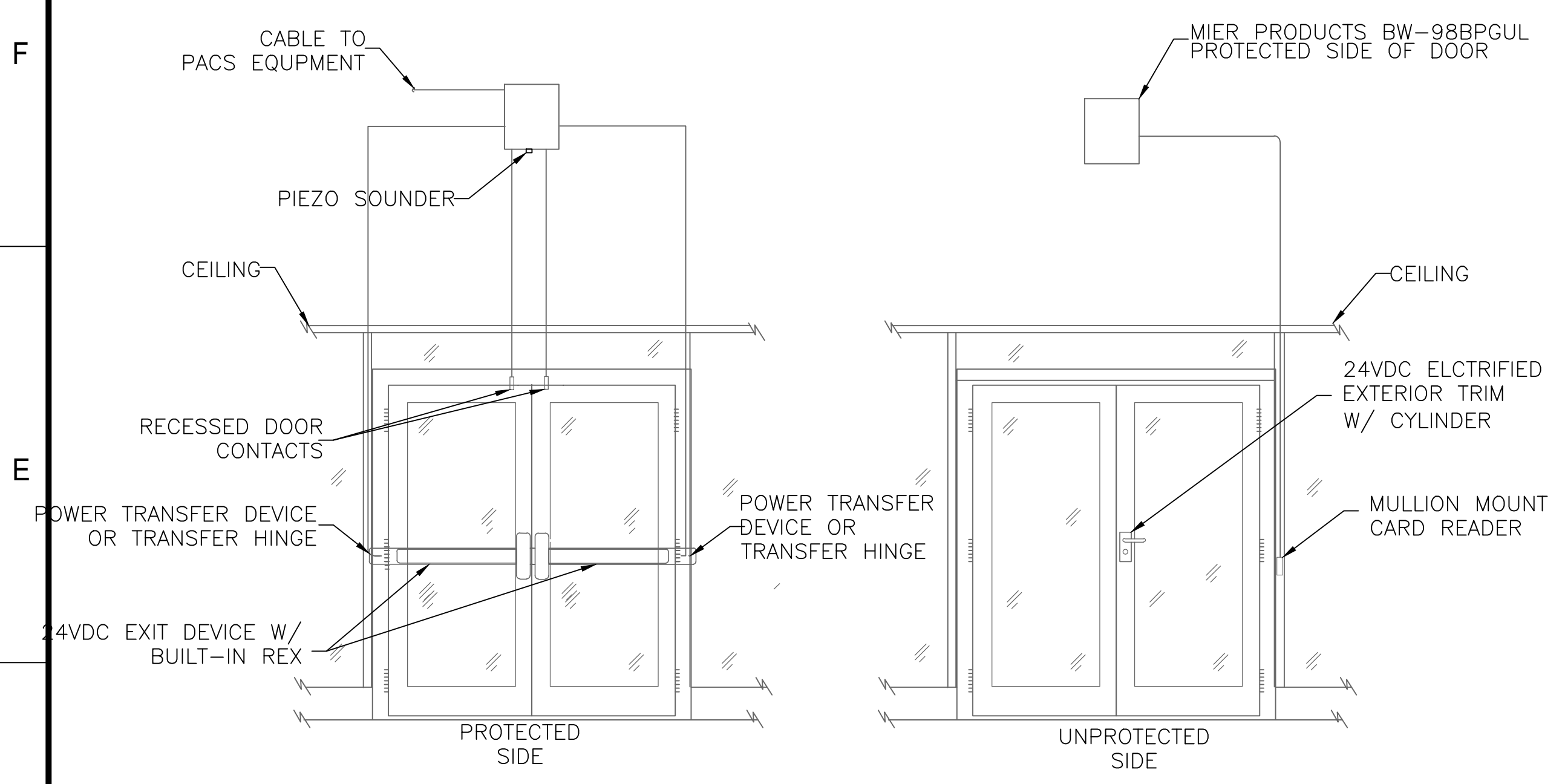
1 2 3 4 5 6 7 8 9



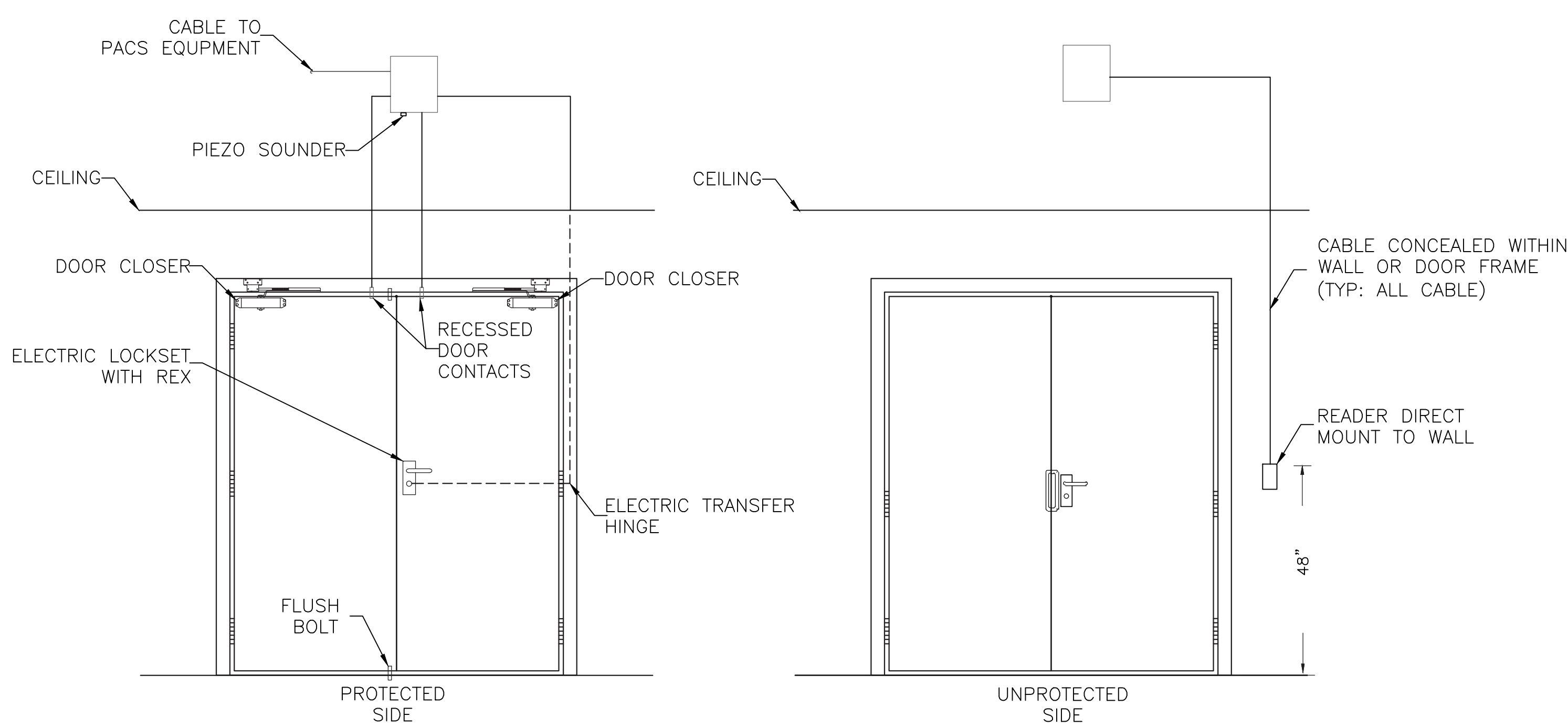
1 TYPICAL -CARD READER WITH CONDUIT SCALE: NTS



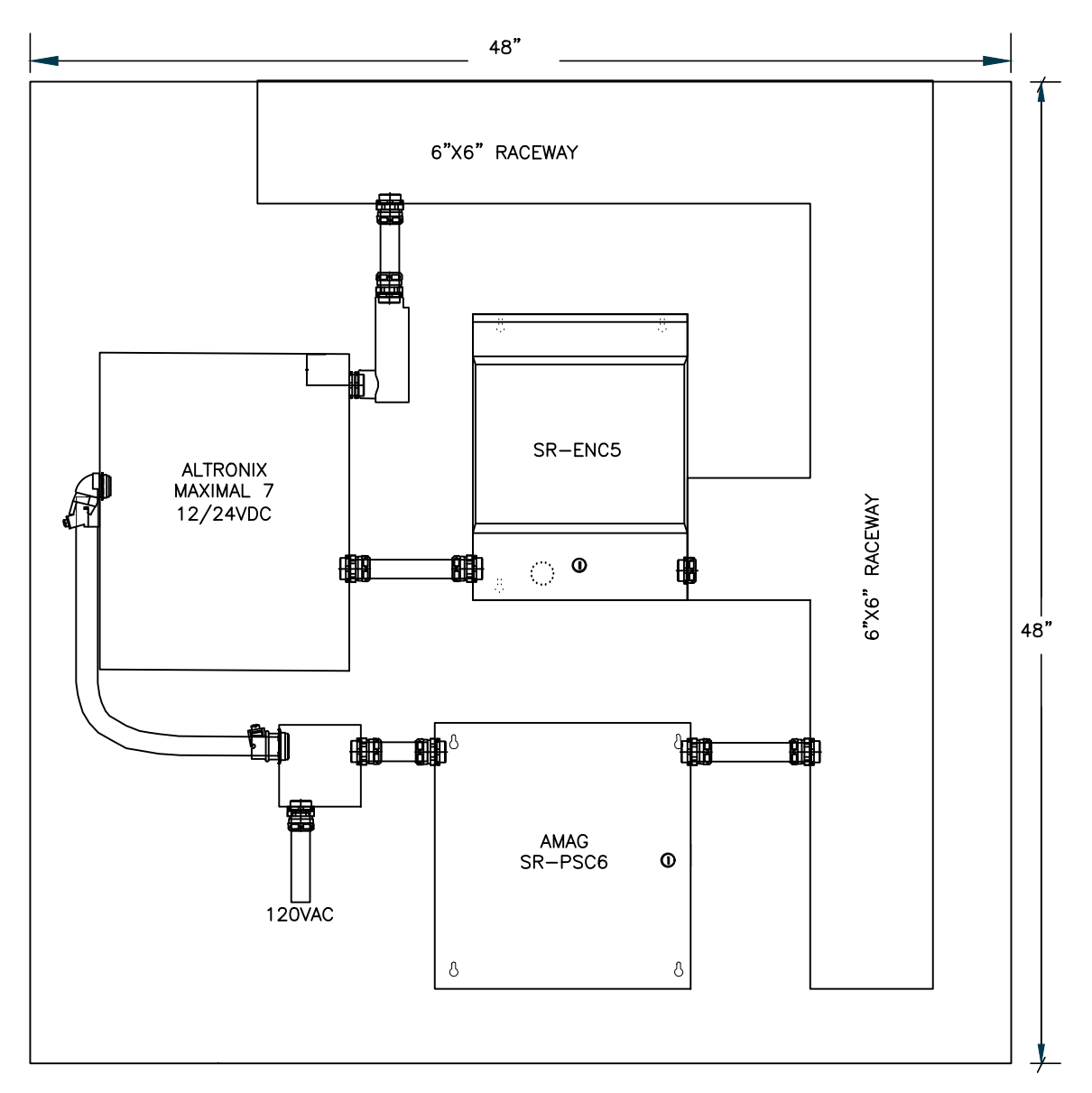
2 TYPICAL -CARD READER WITHOUT CONDUIT SCALE: NTS



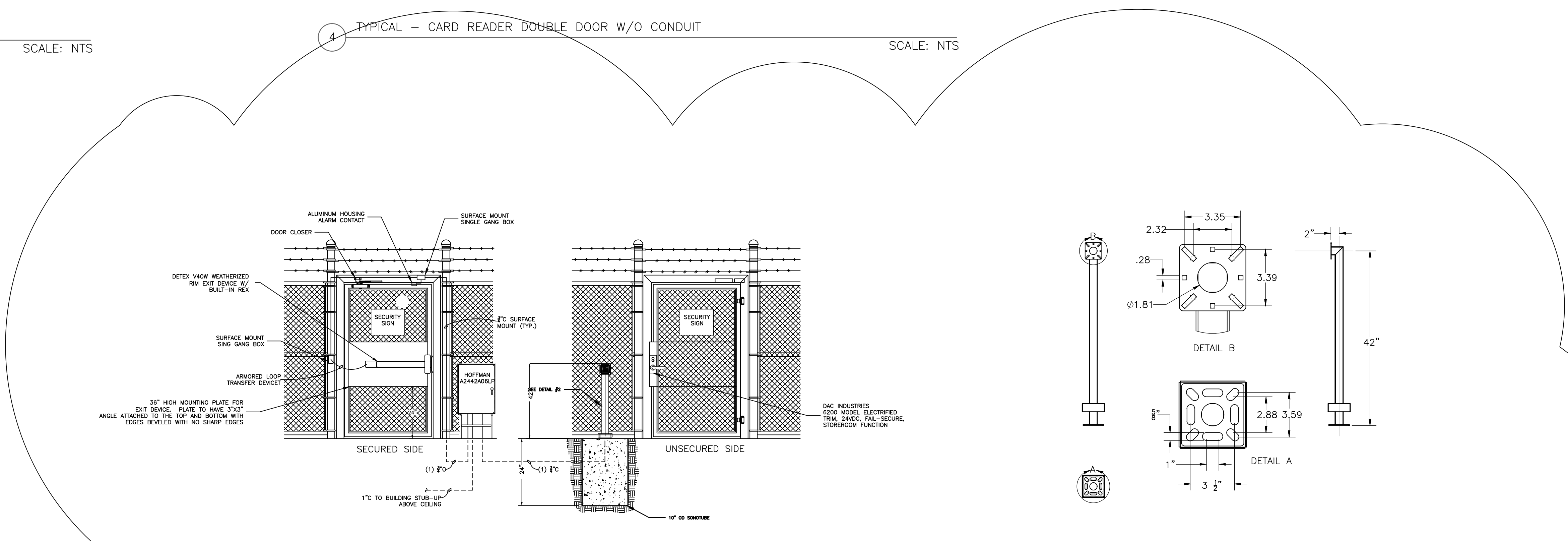
3 TYPICAL -STORE FRONT DOUBLE DOOR W/ CARD READER SCALE: NTS



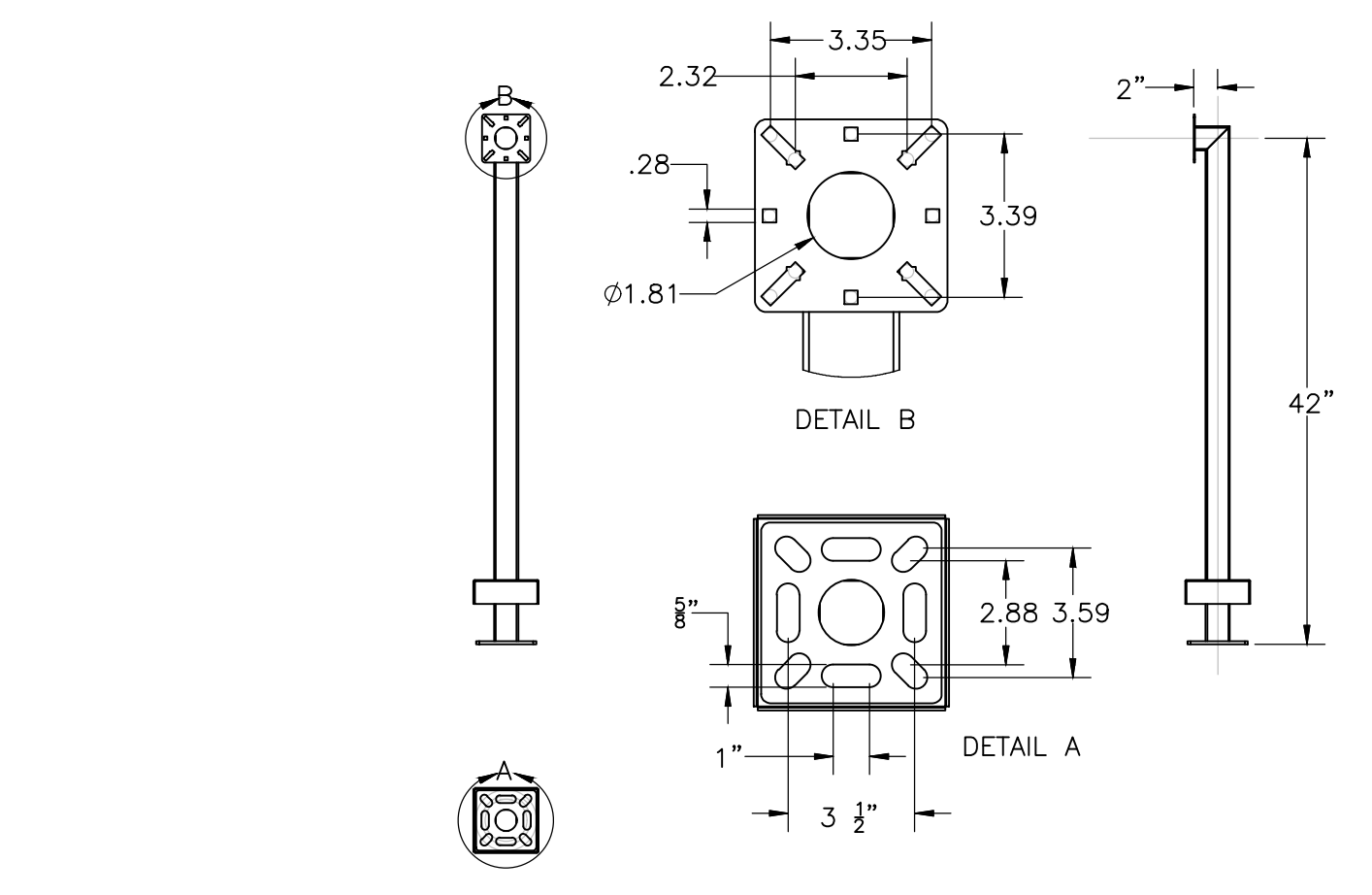
4 TYPICAL - CARD READER DOUBLE DOOR W/O CONDUIT SCALE: NTS



5 TYPICAL -PACS EQUIPMENT LAYOUT SCALE: NTS



6 MERCHANT METALS TUF-GUARD GATE (3' W X 7' H) W/ CARD READER SCALE: NTS



7 PEDESTAL PRO MODEL 42-2LP PEDESTRIAN GATE CARD READER PEDESTAL SCALE: NTS

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Safety Expectations:

ILLNESS ZERO INJURY ZERO

Reduce Risk
Remove Exposures to Hazards
Reinforce Safe Behavior

SEAL

DUNN OPERATIONS OPERATIONS CENTER

DUNN, NC

REVISION	DATE	BY	REVISIONS
1	09/21/23	BP	CLIENT REVISIONS
2	05/24/23	BP	ISSUED FOR CONSTRUCTION

PROJECT NO: 00000
DRAWING NUMBER: CFD-PN0000-EY-5002-00000000
ELECTRONIC FILE NAME: EY-5002
DRAWN BY: BP 05/24/23
CHK'D BY: BP 05/24/23
E-MAIL: BPYINTER@PAYINTERCONSULTING.COM

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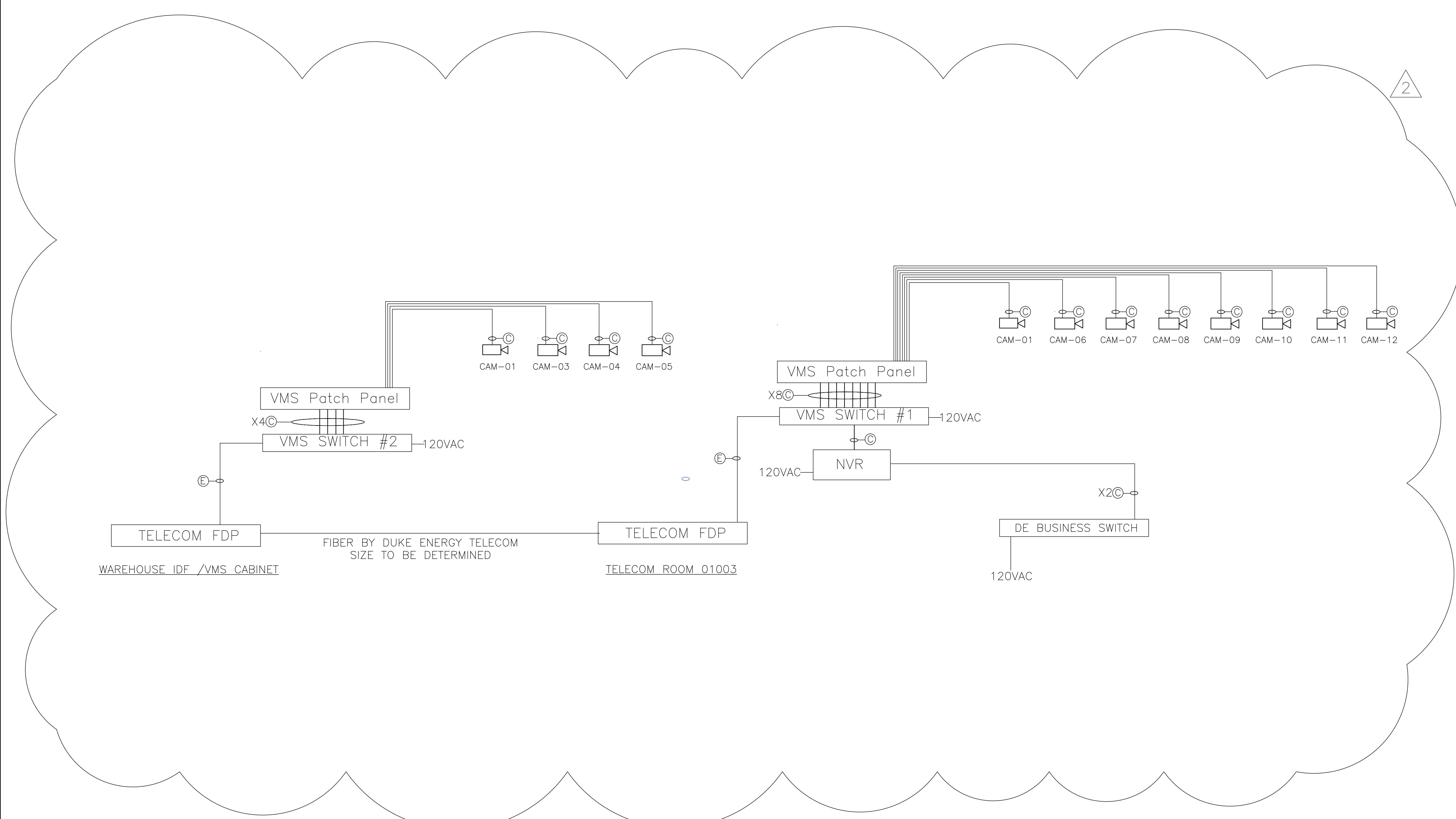
SHEET TITLE:
INSTALLATION DETAILS PHYSICAL SECURITY

SHEET NO:
EY-5002

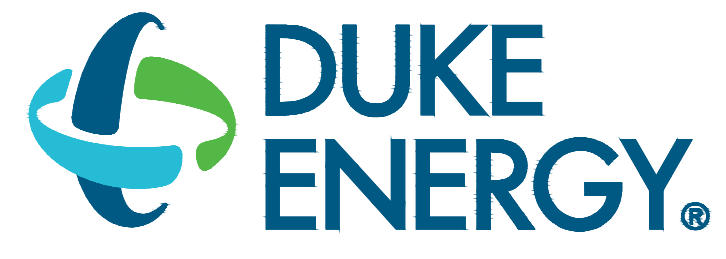
SECURITY CABLE LEGEND	
A	(1) 22AWG/6C AND (1) 18AWG/2C
B	(1) 18AWG/2C
C	(1) CAT 6
D	(1) 22AWG/6C
E	(2) FIBER PATCH CABLES
F	12 OM3 (50 MICRON) MM

GENERAL NOTES:

- CAT 6 CABLE FROM CAMERAS TO PATCH PANELS SHALL BE FURNISHED AND INSTALLED BY MOTOROLA SOLUTIONS.
- NVR, POE SWITCH AND VMS PATCH PANEL SHALL BE FURNISHED AND INSTALLED BY MOTOROLA SOLUTIONS.
- UNLESS OTHERWISE NOTED, ALL CABLE SHOWN ON THE RISER DIAGRAM IS CAT 6.
- HEAD-END VMS EQUIPMENT SHALL BE MOUNTED IN WALL MOUNTED EQUIPMENT CABINET FURNISHED AND INSTALLED BY MOTOROLA SOLUTIONS.
- SURGE PROTECTION DEVICES FOR EXTERIOR CAMERAS SHALL BE FURNISHED AND INSTALLED BY MOTOROLA SOLUTIONS.

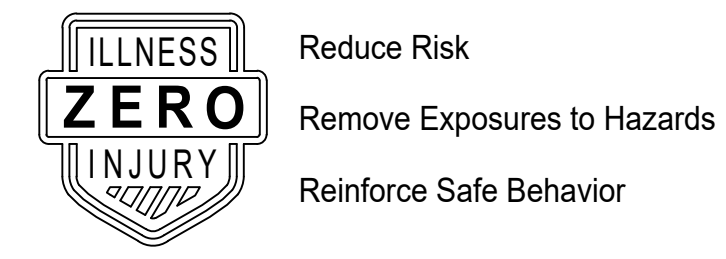


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Safety Expectations:



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1	09/11/23	BP	CLIENT CHANGES
2	09/11/23	BP	VE DESIGN
3	09/11/23	BP	ISSUED FOR CONSTRUCTION

PROJECT NO: 00000
DRAWING NUMBER: CFD-PN0000-EY-7001-00000000
ELECTRONIC FILE NAME: EY-7001
DRAWN BY: BP 09/11/23
CHKD BY: BP 09/11/23
E-MAIL: BPAINTER@PAYINTERCONSULTING.COM

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SHEET TITLE:
CABLE RISER VIDEO MGMT SYSTEM

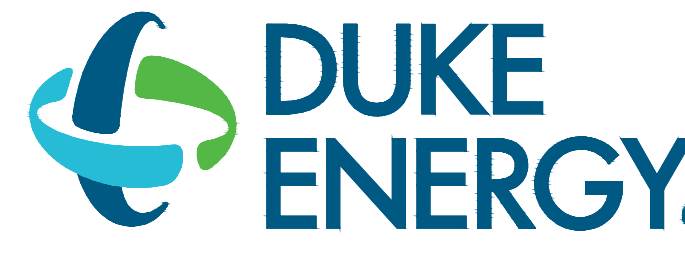
SHEET NO:
EY-7001

SECURITY CABLE LEGEND

A	(1) 22AWG/6C AND (1) 18AWG/2C
B	(1) 18AWG/2C
C	(1) CAT 6
D	(1) 22AWG/6C
E	(2) FIBER PATCH CABLES
F	12 OM3 (50 MICRON) MM

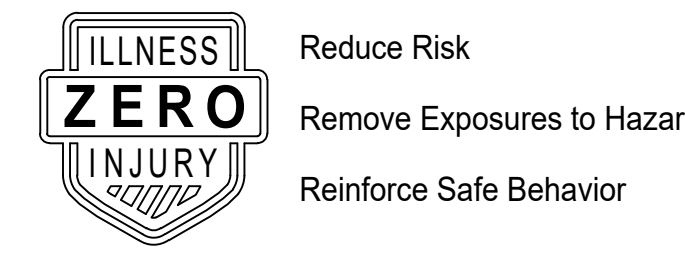
GENERAL NOTES

- UNLESS OTHERWISE NOTED ALL CABLE SHOWN ON THE RISER DIAGRAM SHALL BE FURNISHED AND INSTALLED BY THE SECURITY CONTRACTOR.
- 12SM FIBER OPTIC CABLE FROM EACH GATE TO THE TELECOM ROOM SHALL BE FURNISHED AND INSTALLED BY DUKE ENERGY TELECOM SUBCONTRACTOR.
- FIBER DISTRIBUTION CABINETS (FDC) SHALL BE FURNISHED AND INSTALLED BY DUKE ENERGY TELECOM SUBCONTRACTOR.
- BUSINESS NETWORK PoE SWITCH AND EQUIPMENT RACK SHALL BE FURNISHED AND INSTALLED BY DUKE ENERGY TELECOM.
- SECURITY CONTRACTOR SHALL FURNISH ALL PACS RELATED EQUIPMENT SHOWN ON THE RISER DIAGRAM.
- SECURITY CONTRACTOR SHALL FURNISH AND INSTALL FIBER / LAN MEDIA CONVERTERS SHOWN ON THE RISER DIAGRAM.
- SURGE PROTECTION DEVICES FOR LPR CAMERAS SHALL BE FURNISHED AND INSTALLED BY MOTOROLA SOLUTIONS.

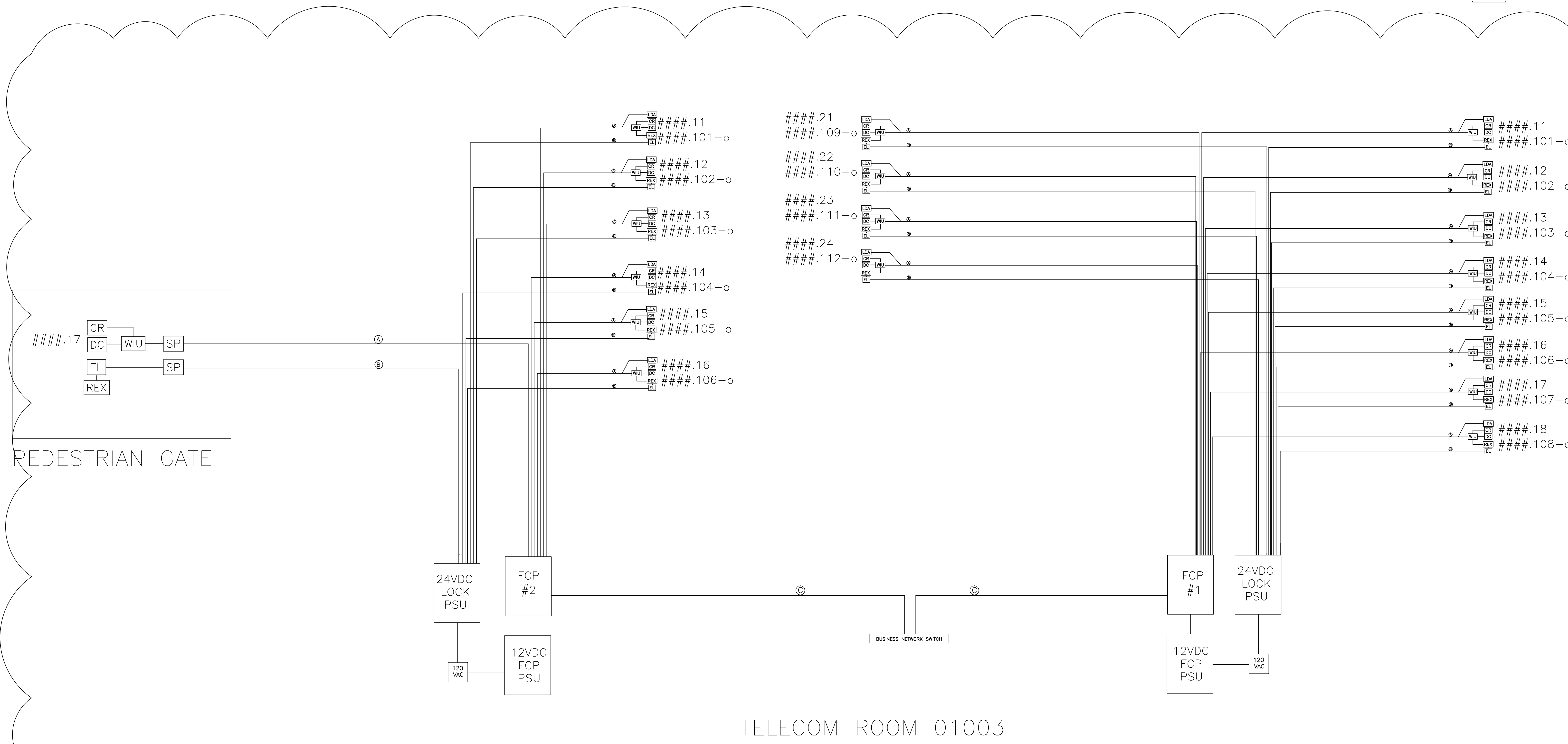


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Safety Expectations:



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PEDESTRIAN GATE

TELECOM ROOM 01003

SEAL

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REVISION	DATE	BY	DESCRIPTION
1	09/22/23	BP	CLIENT CHANGES
2	09/11/23	BP	VE DESIGN
3	06/24/23	BP	ISSUED FOR CONSTRUCTION

PROJECT NO: 00000
DRAWING NUMBER: CFD-PN0000-EY-7002-0000000
ELECTRONIC FILE NAME: EY-7002
DRAWN BY: BP 09/11/23
CHK'D BY: BP 09/11/23
E-MAIL: BPYINTER@PAYINTERCONSULTING.COM

SHEET TITLE:
**CABLE RISER
ACCESS CONTROL SYSTEM**

SHEET NO:
EY-7002