





SECURITY SYMBOLS LEGEND			SECURITY GENERAL ABBREVIATIONS		SECURITY PLAN NOTES			SECURITY SHEET INDEX		
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			ABS	ABOVE BACK SPLASH	A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK. ALL INSTALLATIONS SHALL COMPLY WITH ADA REQUIREMENTS.			SHEET #	SHEET TITLE	
			ACT	ABOVE COUNTER TOP				TY001	SECURITY GENERAL NOTES AND LEGENDS	
SYMBOL	DESCRIPTION		AFF	ABOVE FINISHED FLOOR	B. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS BEFORE ANY ROUGH-IN IN ORDER TO COORDINATE MANUFACTURER'S DRAWINGS FOR EQUIPMENT LOCATION AND INSTALLATION ACCESSORIES.			TY101	SECURITY OVERALL FLOOR PLAN	
	WALL MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.		BAS	BUILDING AUTOMATION SYSTEM				TY102	SECURITY FLOOR PLAN NORTH	
			BFC	BELOW FINISHED CEILING				TY103	SECURITY FLOOR PLAN SOUTH	
			BOCT	BOTTOM OF CABLE TRAY				TY401	SECURITY SCHEDULES	
	CEILING MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.		C	CONDUIT	C. COORDINATE RUNS FOR CONDUIT UP IN JOIST AND FOR SUSPENDING REQUIREMENTS IN ACCORDANCE WITH STRUCTURAL PLANS.			TY501	SECURITY DETAILS I	
			CLG	CEILING				TY502	SECURITY DETAILS II	
			CM	SECURITY CAMERA				TY503	SECURITY DETAILS III	
	CORNER MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.		EC	EMPTY CONDUIT	D. ALL CAMERA DEVICES SHALL BE STUBBED UP TO ABOVE ACCESSIBLE CEILING AND TO CABLE TRAY IF PRESENT. THE CONTRACTOR SHALL PROVIDE J-HOOKS AND CONDUITS TO EXTEND CABLING TO WALLS.			TY504	SECURITY DETAILS IV	
			EF	ENTRANCE FACILITY						
			ER	EQUIPMENT ROOM						
[RK1]	INTERIOR ALCATRAZ ROCK BIOMETRIC FACIAL RECOGNITION DEVICE. WALL MOUNTED AT 62" AFF TO CENTER OF DEVICE. CONTRACTOR TO INSTALL 2-GANG SWITCH BOX WITH 1" CONDUIT TO ACCESSIBLE AREA ABOVE CEILING. PROVIDE WITH (1) WHITE CAT-6A CABLE.		EX	EXISTING	E. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL USE THE EZ PATH SERIES FIRE-RATED ZERO MAINTENANCE PATHWAY UNO. FOLLOW MANUFACTURER USAGE AND INSTALLATION INSTRUCTIONS. REFER TO DETAIL 1 ON SHEET TN502.					
			G	GROUND (EQUIPMENT)						
			GEC	GROUND ELECTRODE CONDUCTOR						
[RK2]	EXTERIOR ALCATRAZ ROCK BIOMETRIC FACIAL RECOGNITION DEVICE. WALL MOUNTED AT 62" AFF TO CENTER OF DEVICE. CONTRACTOR TO INSTALL 2-GANG SWITCH BOX WITH 1" CONDUIT TO ACCESSIBLE AREA ABOVE CEILING. PROVIDE WITH (1) WHITE CAT-6A CABLE TO THE MIDSPAN. PROVIDE WITH (1) OUTSIDE PLANT CAT-6A CABLE FROM MIDSPAN TO ROCK-X DEVICE.		MTD	MOUNT OR MOUNTED	F. CONDUITS SHALL BE REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.					
			NIC	NOT IN CONTRACT						
			PNL	PANEL	G. BETWEEN ANY TWO PULL POINTS THERE SHALL BE NO CONDUIT WITH GREATER THAN 180 DEGREES OF BENDS OR EQUIVALENT.					
S.O.	SPACE ONLY									
SP	SPARE/SPACE									
[EL]	ELECTRIC LOCK WITH BUILT IN CARD READER. REFERENCE DOOR HARDWARE SCHEDULE ON ARCHITECTURAL PLANS. REFERENCE 4/TY503 SINGLE SWINGING DOOR WITH CARD READER FOR MOBILE ACCESS. PROVIDE WITH WHITE CAT-6A CABLE FROM PATCH PANEL TO DOOR CONTROLLER. PROVIDE WITH MANUFACTURER APPROVED SECURITY CABLE FROM DOOR CONTROLLER TO SECURITY DEVICES.		TR	TELECOMMUNICATIONS ROOM	H. WHERE CONDUIT LENGTH EXCEEDS 100FT AND/OR TWO 90 DEGREE BENDS OR EQUIVALENT PROVIDE PULL BOXES AS REQUIRED.					
			TYP	TYPICAL						
						UF	UNDERFLOOR	I. ALL ZONE CONDUITS (HOME RUN) FOR LOW VOLTAGE COMMUNICATIONS CABLING SHALL BE MARKED AT THEIR TERMINUS WITH A TAG THAT IDENTIFIES "FIRE ALARM, DATA, INTERCOM, ETC" (ROOM NAME AND NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES.		
			UG	UNDERGROUND						
			WG	WIRE GUARD	J. ALL CABLES ABOVE CEILING SHALL BE <u>PLENUM RATED</u> . ALL CABLES BELOW SLAB SHALL BE INDOOR/OUTDOOR RATED.					
			WP	WEATHERPROOF						
[DC]	DUAL POLE DOOR CONTACT TO BE MONITORED BY ACCESS CONTROL AND INTRUSION DETECTION SYSTEMS. TO BE FURNISHED AND INSTALLED BY CONTRACTOR.		UNO	UNLESS NOTED OTHERWISE	K. FURNISH AND INSTALL 8"H X 4"W X 3/4"T VERTICALLY HUNG, GRADE AC, PLYWOOD IN COMMUNICATION ROOMS AS INDICATED ON PLANS. PAINT PLYWOOD WITH TWO COATS OF FIRE RETARDANT TO MATCH EXISTING WALL FINISH. COORDINATE WITH ARCHITECT, PRIME CONTRACTOR, AND OWNER FOR INSTALLATION OF BACKBOARD. REFER TO DRAWINGS FOR PROPOSED LOCATION AND DETAILS.					
								L. MINIMUM CONDUIT SIZE FOR TWISTED PAIR CABLING (LOW VOLTAGE) SHALL BE NOT SMALLER THAN 1" TRADE SIZE.		
					M. THE CONTRACTOR SHALL FULLY REVIEW ALL ELECTRICAL POWER PLANS TO IDENTIFY ALL RESPONSIBILITIES AND SCOPE OF WORK.					
					N. ABOVE CEILING CABLE SUPPORTING HARDWARE. IN CONJUNCTION WITH THE SPECIFIED CABLE TRAY, ACCEPTABLE METHOD INCLUDES BUT IS NOT LIMITED TO J-HOOKS. CABLE SHOULD BE PROPERLY SUPPORTED WITH J-HOOK PATHWAY INSTALLED EVERY 3-5 FT. CABLE CROSS SECTION AREA SHOULD BE CALCULATED TO A 40% RATIO.					
					O. DATA CABLES FOR CAMERAS SHALL BE CAT-6A WITH YELLOW JACKET, JACKS, AND MATCHING PATCH CABLES.					
					P. DATA CABLES FOR ACCESS CONTROL SHALL BE CAT-6A WITH WHITE JACKET, JACKS, AND MATCHING PATCH CABLES.					

NOTES:
1. MOUNT ALL DEVICES AS INDICATED ABOVE, UNO ON PLAN

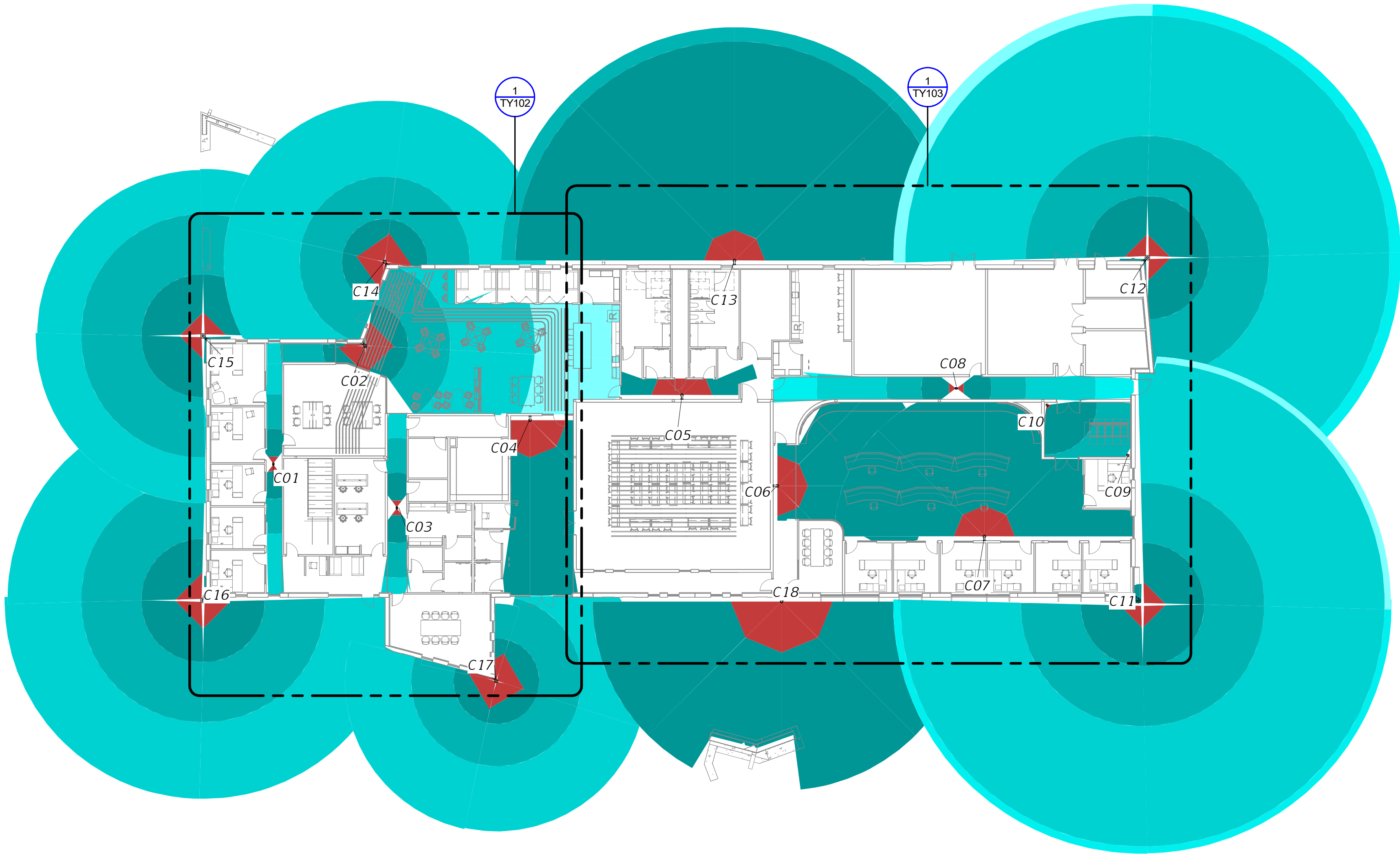
2. 48" AFF INDICATES TO TOP OF DEVICE
15" AFF INDICATES TO BOTTOM OF DEVICE
ALL OTHER MOUNTING HEIGHTS INDICATE TO CENTERLINE OF DEVICE

No.	Date	Issue / Revision	<div><div>2255 KILLEARN CENTER BLVD. SUITE 200 TALLAHASSEE, FLORIDA 32309 TEL. (850) 224-4400</div></div> <div><div>GABRIEL BENAVIDES JR. P.E PE NO. 97009</div><div>HALFF ASSOCIATES, INC. 2255 KILLEARN CENTER BLVD. SUITE 200 TALLAHASSEE, FL 32309</div></div>	FLORIDA-ALABAMA TPO			SECURITY GENERAL NOTES AND LEGENDS			DWG NO.
			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	TY001				
			NORTH W STREET	ESCAMBIA	451524-1-38-01	SHEET NO.				

GENERAL NOTES:

A. REFER TO SHEET TY001 FOR SECURITY GENERAL LEGEND AND NOTES.

B. THE INTENT OF THIS DRAWING IS TO DEMONSTRATE GENERAL AREAS OF COVERAGE OF THE DISTINCT CAMERA MODELS USED IN THIS SET OF DRAWINGS. SHOULD OTHER CAMERA MODELS OR MANUFACTURERS BE USED IN PROJECT IN LEIU OF THOSE SPECIFIED, THIS DRAWING SHOULD BE NO LONGER APPLICABLE. SHOULD THE CONTRACTOR OPT TO SUBMIT ON A ALTERNATIVE CAMERA SYSTEM, IT SHALL BE SUBMITTED WITH AN EQUAL OR BETTER MODEL AS SHOWIN ON THIS SHEET. NO EXCEPTIONS.



LEGEND

COLLISION DETECTION - IDENTIFY ZONE

COLLISION DETECTION - OBSERVE ZONE

COLLISION DETECTION - DEAD ZONE

1

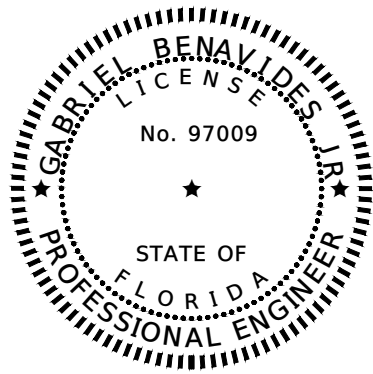
SECURITY OVERALL FLOOR PLAN

0'

10'

20'

40'



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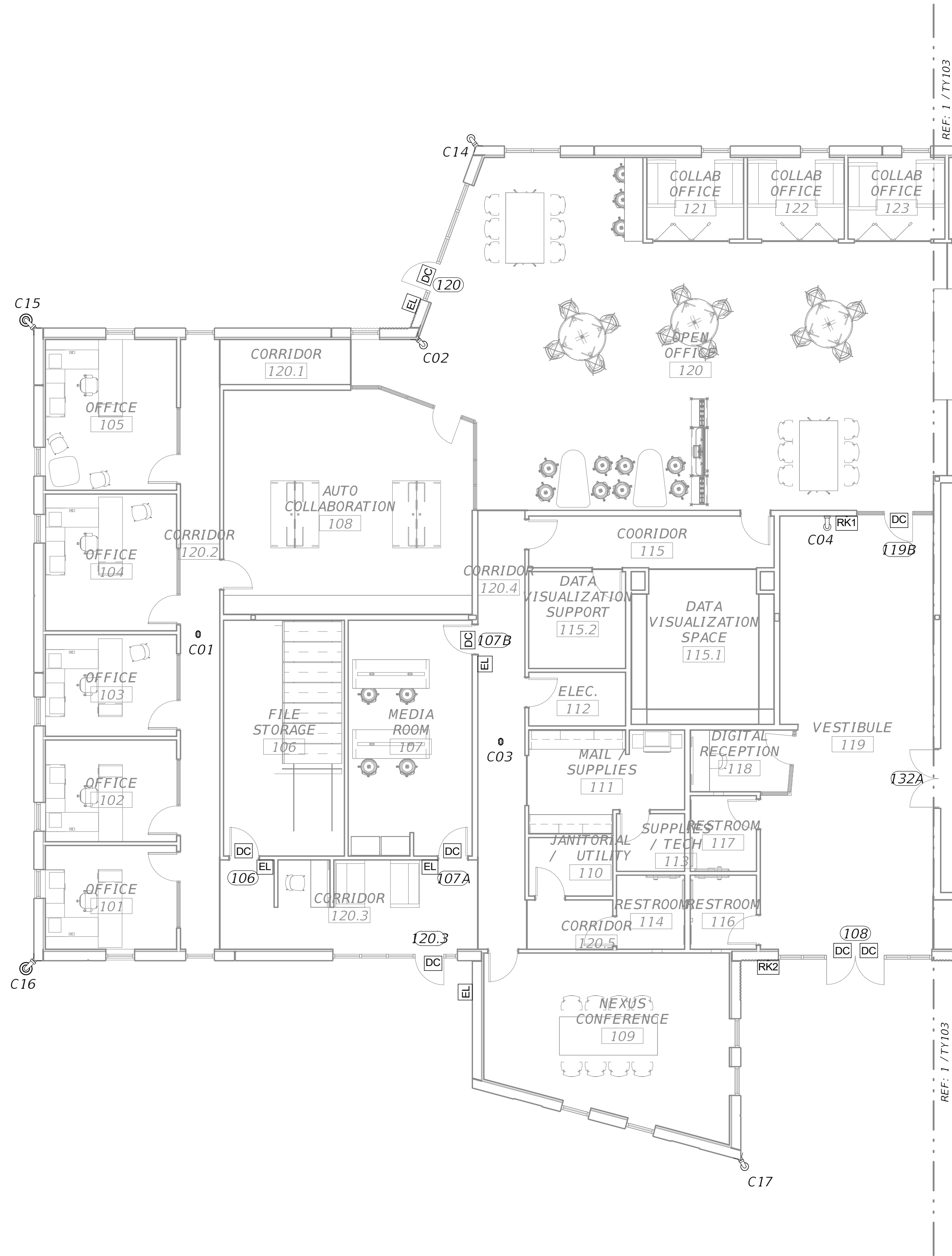
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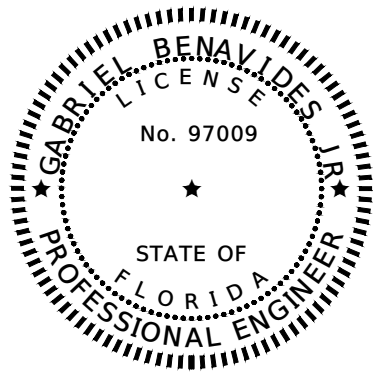
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TY101											
SHEET NO.											
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						NORTH W STREET	ESCAMBIA	451524-1-38-01			

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GENERAL NOTES:
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1 SECURITY FLOOR PLAN NORTH
0' 4' 8' 16'

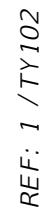


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			HALFF ASSOCIATES, INC. 2255 KILLEARN CENTER BLVD. SUITE 200 TALLAHASSEE, FL 32309						TY102						
									SHEET NO.						
						ROAD NO.			COUNTY	FINANCIAL PROJECT ID					
						NORTH W STREET			ESCAMBIA	451524-1-38-01					

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SECURITY PATCH PANEL 1 - ACCESS CONTROL

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	ELECTRIC LOCK - FILE STORAGE 106 - D00R#106
2	D00R CONTACT - FILE STORAGE 106 - D00R#106
3	ELECTRIC LOCK - MEDIA ROOM 107 - D00R#107A
4	D00R CONTACT - MEDIA ROOM 107 - D00R#107A
5	ELECTRIC LOCK - MEDIA ROOM 107 - D00R#107B
6	D00R CONTACT - MEDIA ROOM 107 - D00R#107B
7	ROCK X 2 - VESTIBULE 119 - D00R#119A
8	D00R CONTACT - VESTIBULE 119 - D00R#119A
9	D00R CONTACT - VESTIBULE 119 - D00R#119A
10	ROCK 1 - OPEN OFFICE 120 - D00R#119B
11	D00R CONTACT - OPEN OFFICE 120 - D00R#119B
12	ELECTRIC LOCK - OPEN OFFICE 120 - D00R#120
13	D00R CONTACT - OPEN OFFICE 120 - D00R#120
14	ELECTRIC LOCK - CORRIDOR 120.3 - D00R#120.3
15	D00R CONTACT - CORRIDOR 120.3 - D00R#120.3
16	ELECTRIC LOCK - CORRIDOR 130 - D00R#130
17	D00R CONTACT - CORRIDOR 130 - D00R#130
18	ROCK 1 - CORRIDOR 133 - D00R#133
19	D00R CONTACT - CORRIDOR 133 - D00R#133
20	ELECTRIC LOCK - CONTROL ROOM 148 - D00R#136.1
21	D00R CONTACT - CONTROL ROOM 148 - D00R#136.1
22	ELECTRIC LOCK - CORRIDOR 136 - D00R#136A
23	D00R CONTACT - CORRIDOR 136 - D00R#136A
24	ELECTRIC LOCK - CORRIDOR 136 - D00R#136B
25	D00R CONTACT - CORRIDOR 136 - D00R#136B
26	ELECTRIC LOCK - SERVER/BENCH TEST 147 - D00R#147A
27	D00R CONTACT - SERVER/BENCH TEST 147 - D00R#147A
28	D00R CONTACT - SERVER/BENCH TEST 147 - D00R#147A
29	ELECTRIC LOCK - SERVER/BENCH TEST 147 - D00R#147B
30	D00R CONTACT - SERVER/BENCH TEST 147 - D00R#147B
31	D00R CONTACT - SERVER/BENCH TEST 147 - D00R#147B
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SECURITY PATCH PANEL - CAMERAS

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	C01 - CORRIDOR 120.2
2	C02 - OPEN OFFICE 120
3	C03 - CORRIDOR 120.4
4	C04 - VESTIBULE 119
5	C05 - CORRIDOR 130
6	C06 - CONTROL ROOM 148
7	C07 - CONTROL ROOM 148
8	C08 - CORRIDOR 136
9	C09 - SERVER/BENCH TEST 147
10	C10 - SERVER/BENCH TEST 147
11	C11 - EXTERIOR CORNER WALL
12	C12 - EXTERIOR CORNER WALL
13	C13 - EXTERIOR WALL
14	C14 - EXTERIOR CORNER WALL
15	C15 - EXTERIOR CORNER WALL
16	C16 - EXTERIOR CORNER WALL
17	C17 - EXTERIOR CORNER WALL
18	C18 - EXTERIOR WALL
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CAMERA ID	DIV. 28 21 13	ORIENTATION	FIELD OF VIEW	ACCESSORIES	MOUNTING LOCATION	MOUNTING TYPE
C01	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C02	SECTION 2.03.D	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	INTERIOR CORNER WALL MOUNTED
C03	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C04	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C05	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C06	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C07	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C08	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C09	SECTION 2.03.F	STD	90°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C10	SECTION 2.03.F	STD	90°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C11	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C12	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C13	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED
C14	SECTION 2.03.A	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C15	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED
C16	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C17	SECTION 2.03.A	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C18	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED

No.

Date

Issue / Revision

halff

2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

GABRIEL BENAVIDES JR. P.E
PE NO. 97009

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FL 32309

ROAD NO.

COUNTY

FINANCIAL PROJECT ID

NORTH W STREET

ESCAMBIA

451524-1-38-01

FLORIDA-ALABAMA TPO

SECURITY SCHEDULES

DWG NO.

TY401

SHEET NO.

GABRIEL BENAVIDES JR.

FLORIDA

PROFESSIONAL ENGINEER

No. 97009

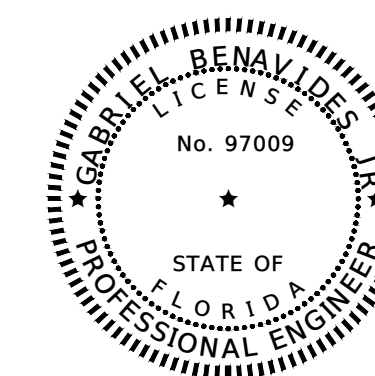
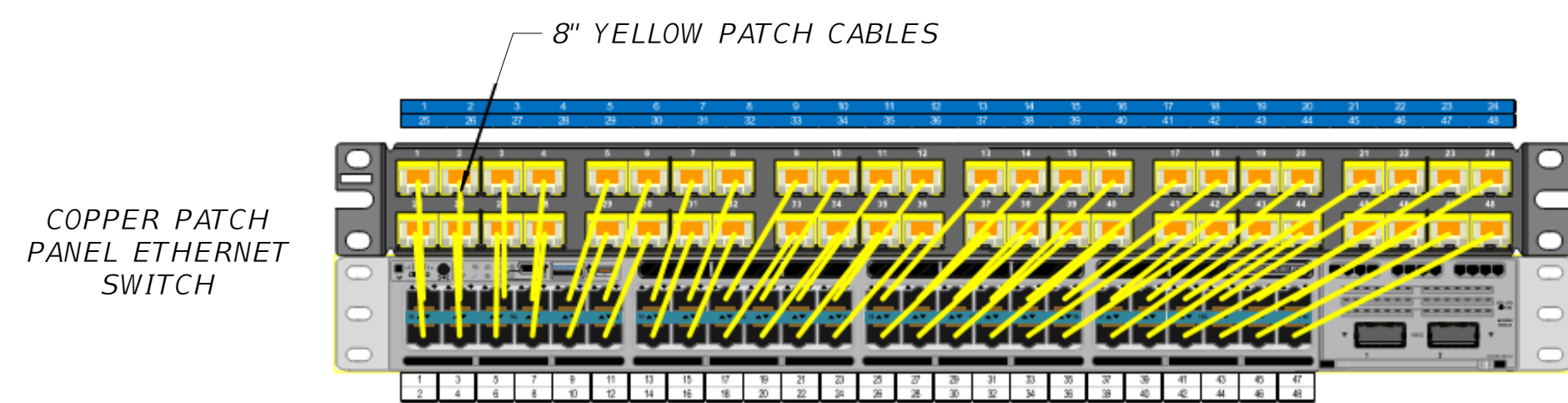
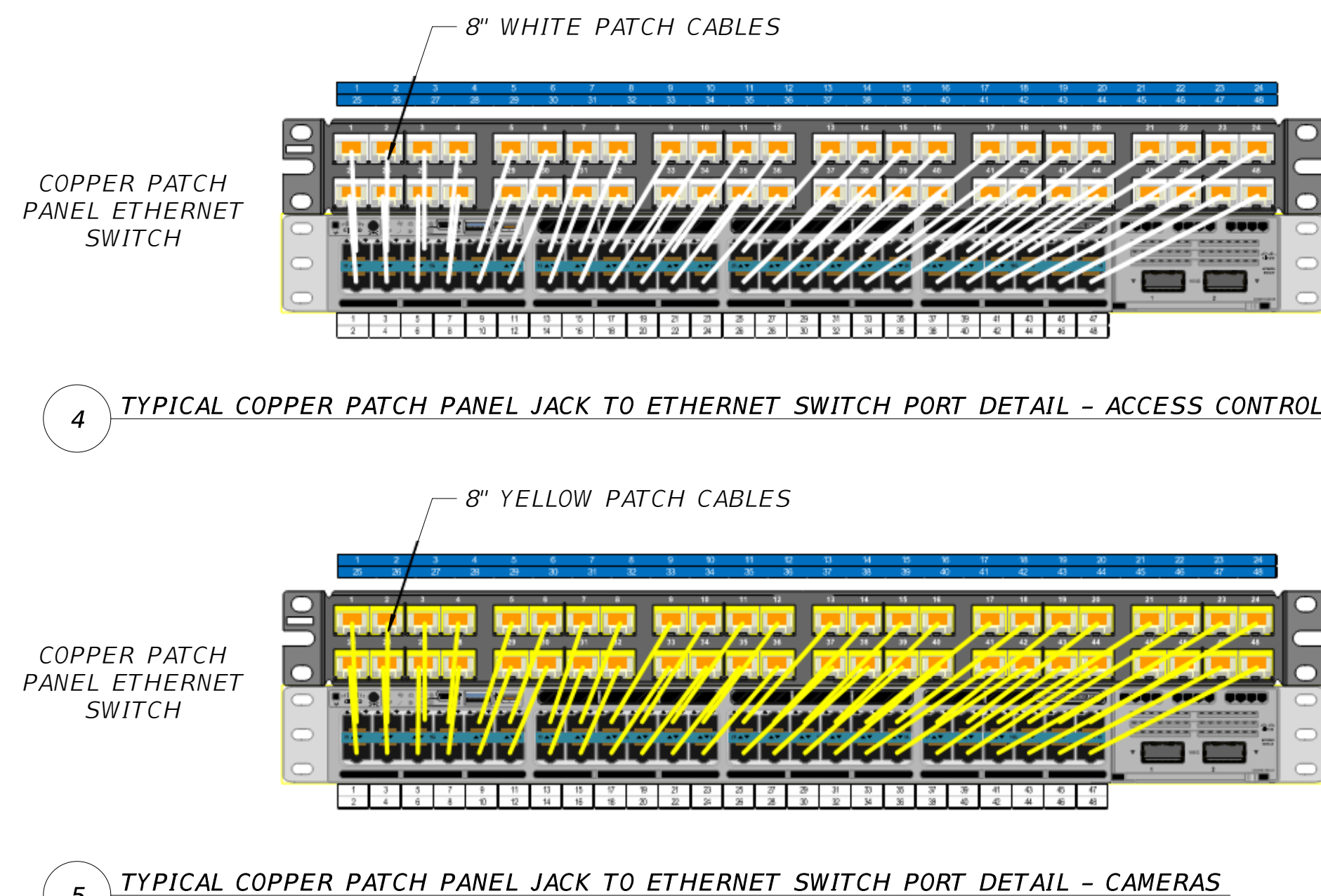
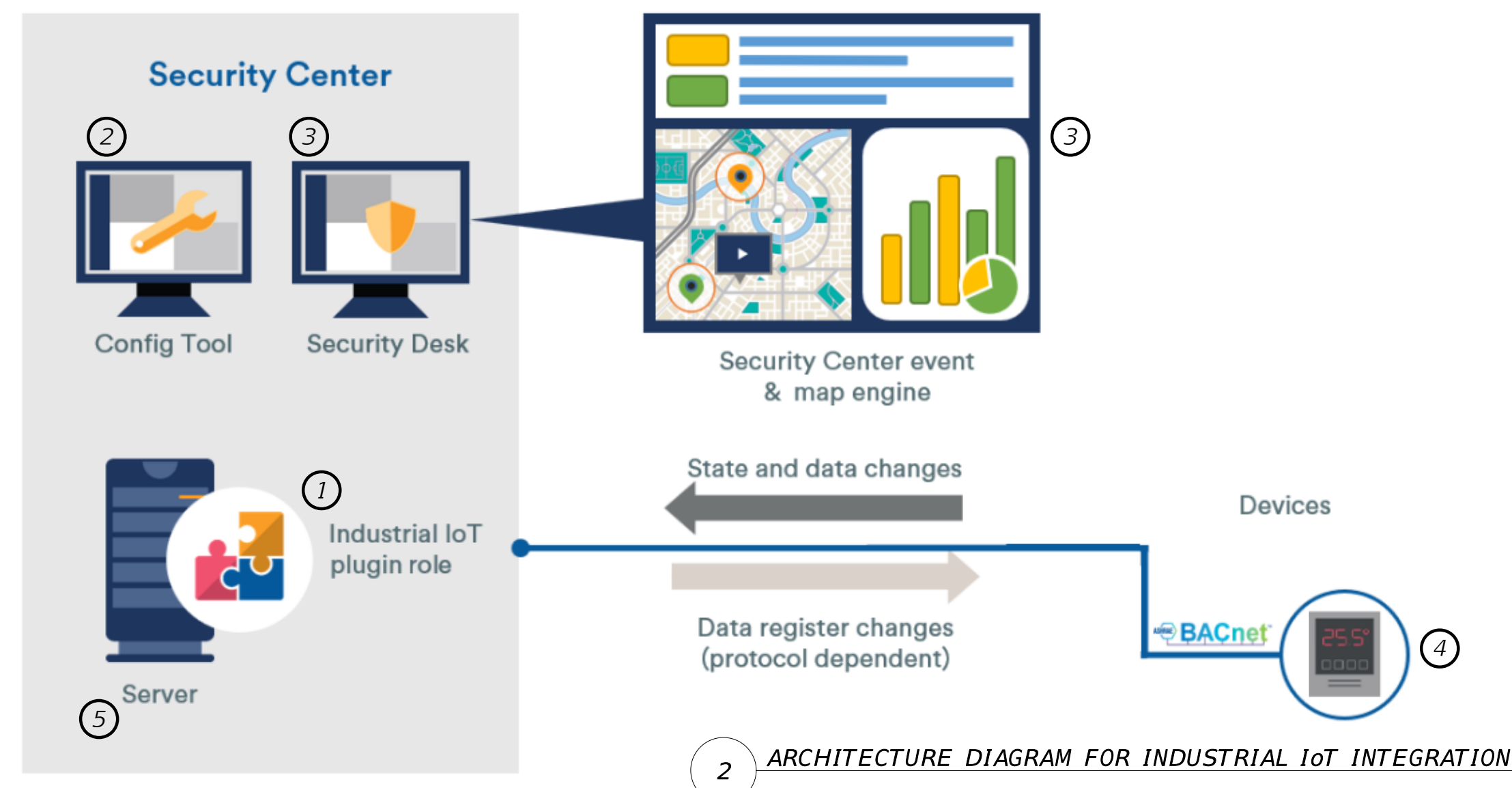
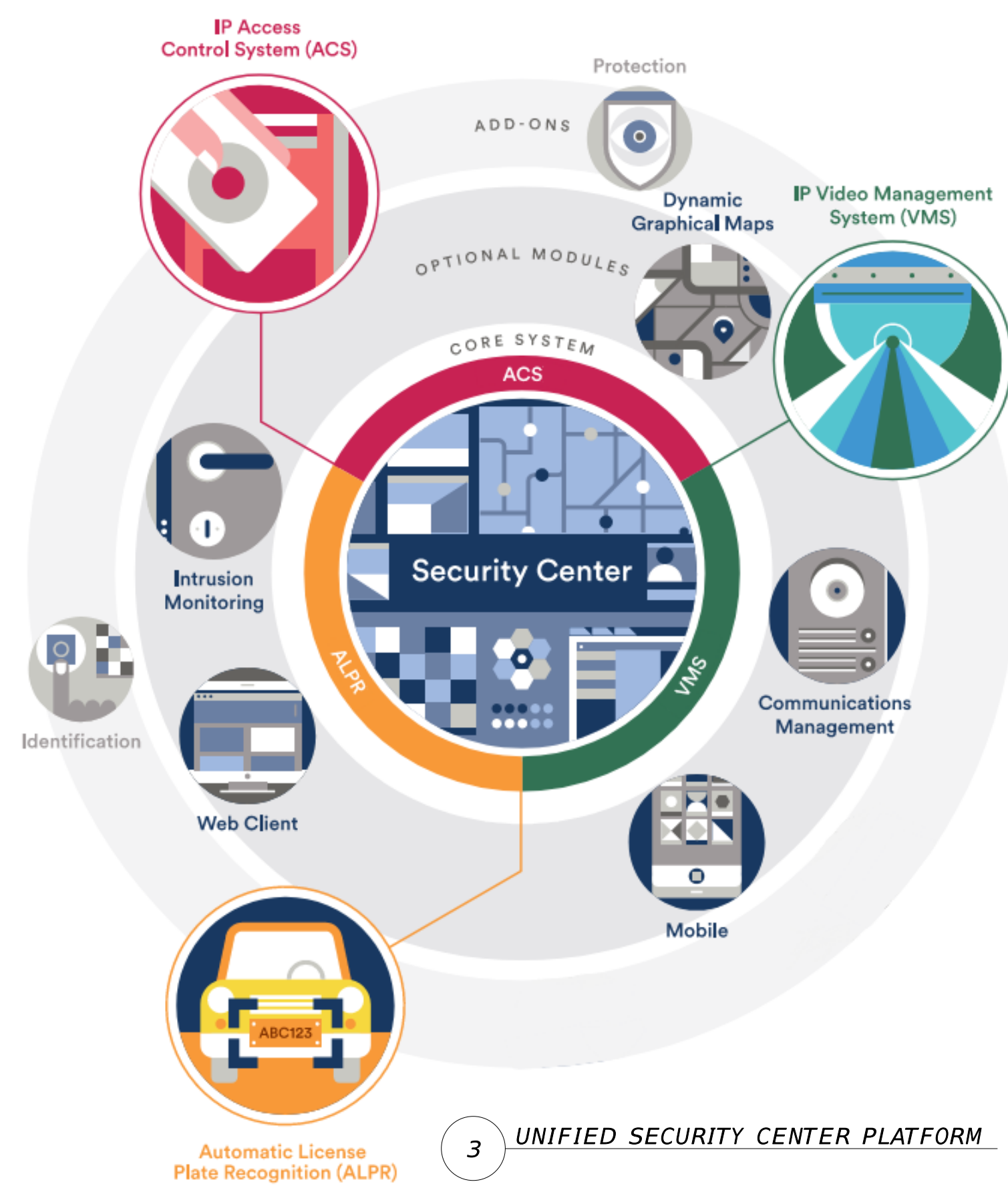
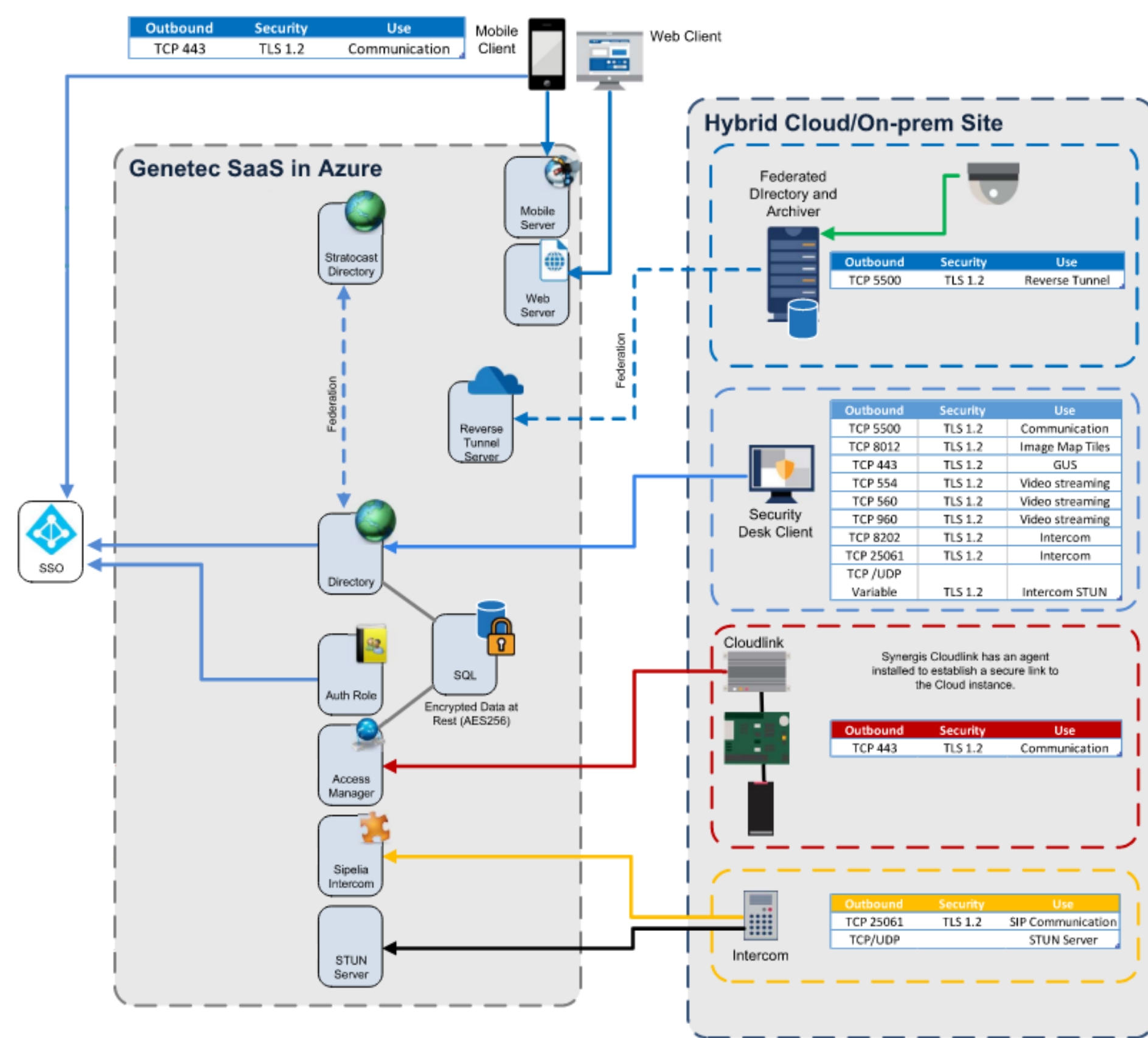
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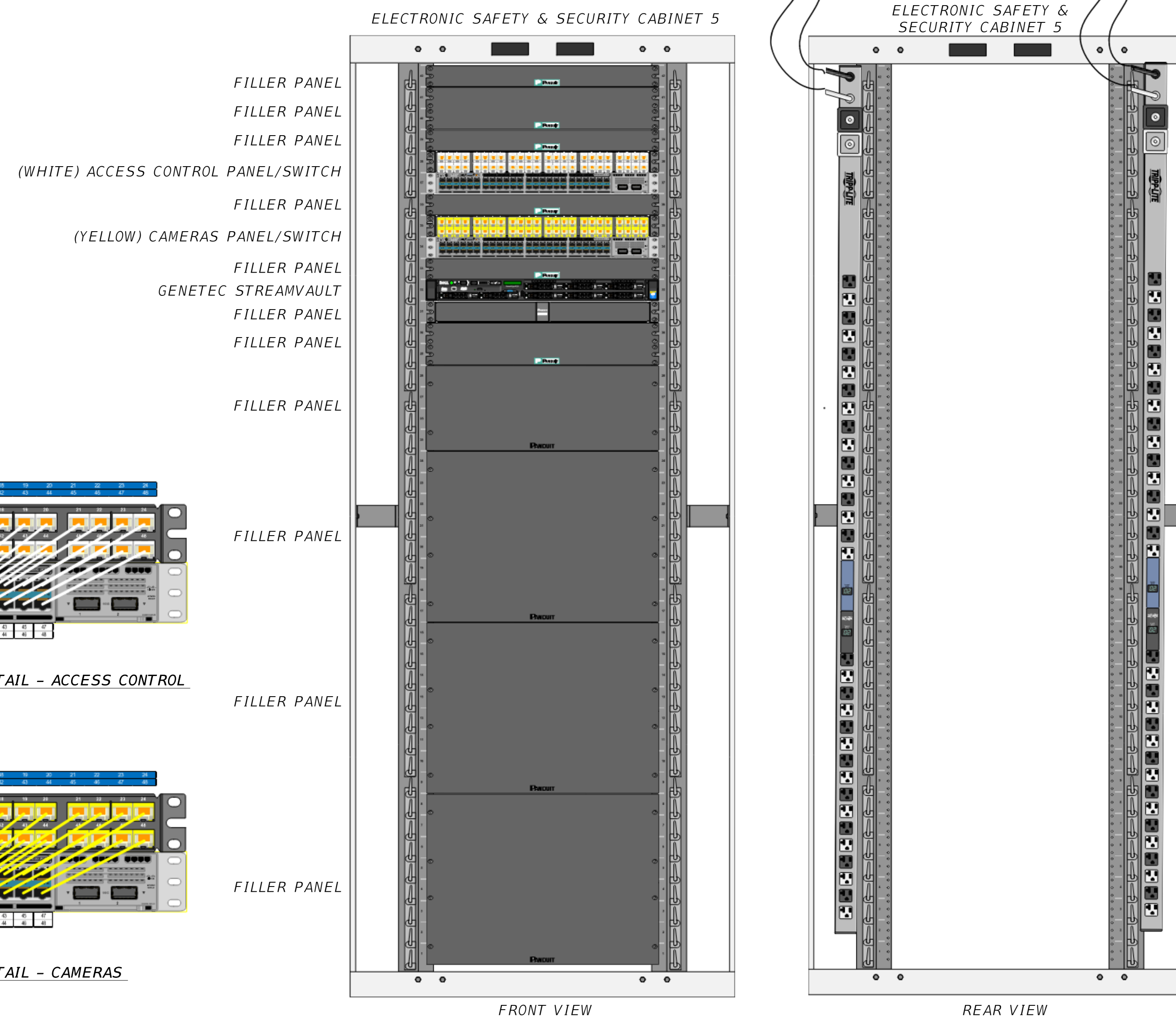
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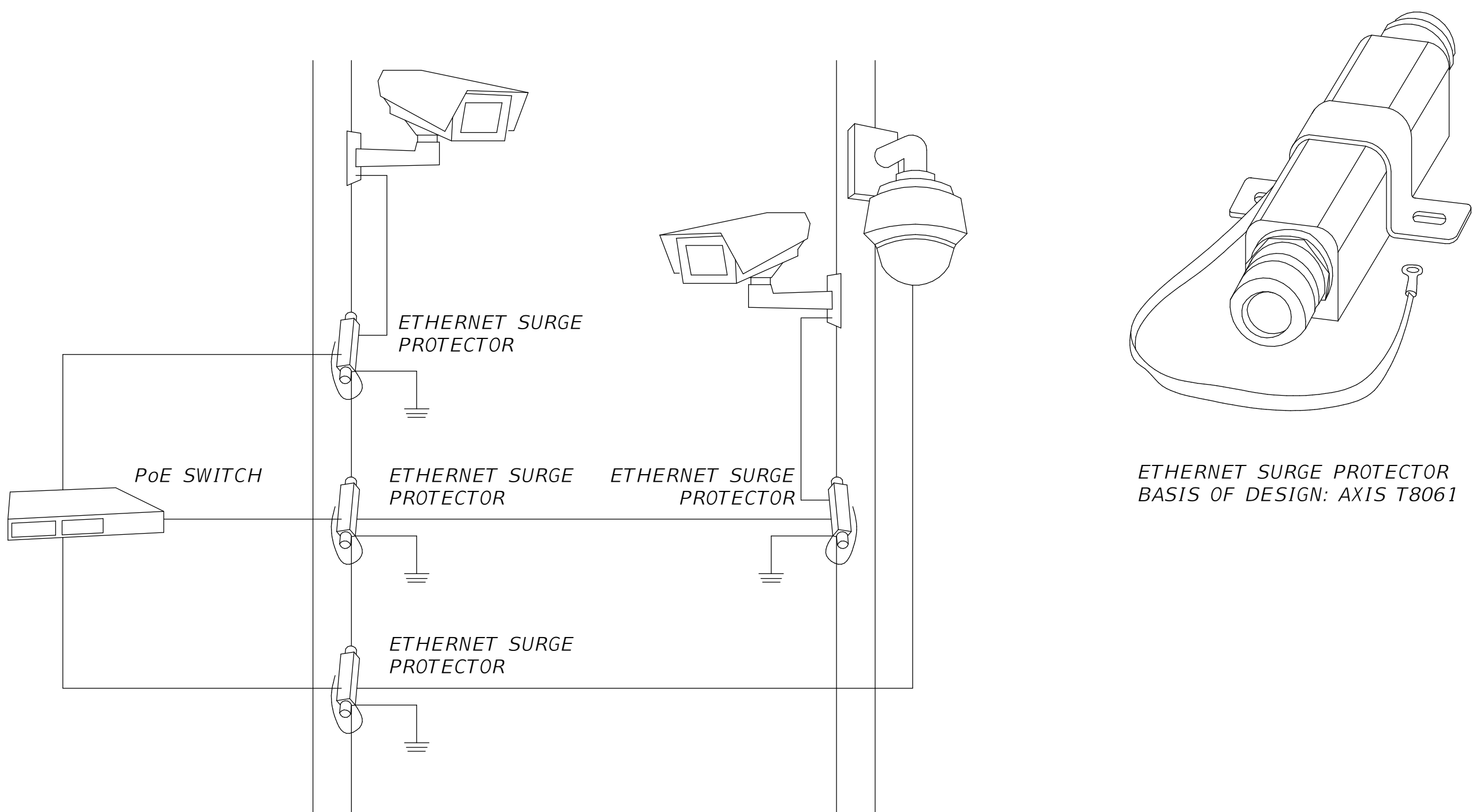
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COMPONENTS OF INDUSTRIAL IOT INTEGRATION

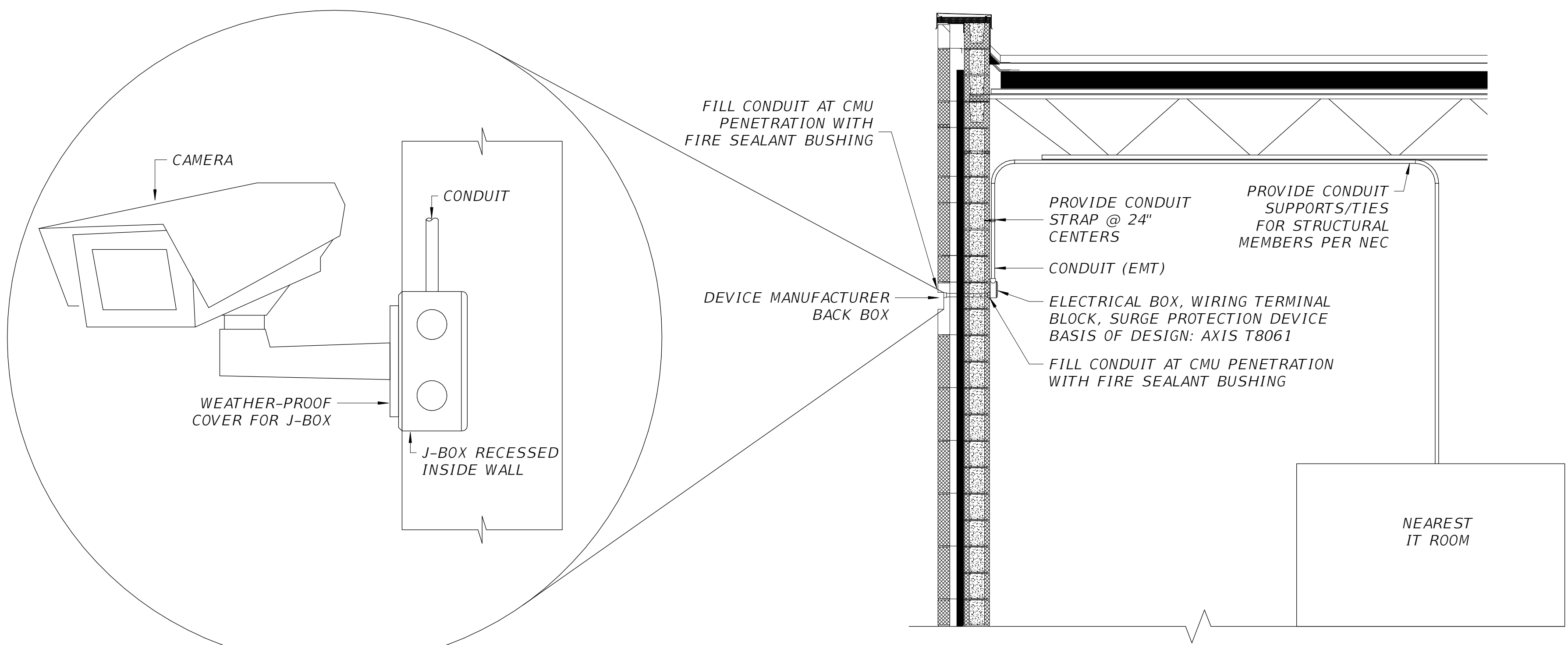
1. **INDUSTRIAL IOT PLUGIN ROLE:** WITH THE INDUSTRIAL IOT PLUGIN, YOU CAN CREATE THE INDUSTRIAL IOT ROLE. THROUGH THIS ROLE, SECURITY CENTER CAN COMMUNICATE WITH IOT DEVICES. THE PLUGIN ROLE CAN RAISE EVENTS AND TRIGGER ALARMS WHEN DATA CHANGES OCCUR ON THESE DEVICES.
2. **CONFIG TOOL:** THE INDUSTRIAL IOT PLUGIN MUST BE INSTALLED ON A CONFIG TOOL WORKSTATION. THE SECURITY CENTER ADMINISTRATOR USES CONFIG TOOL TO CREATE AND CONFIGURE THE PLUGIN ROLE.
3. **SECURITY DESK:** THE INDUSTRIAL IOT PLUGIN MUST BE INSTALLED ON ALL SECURITY DESK WORKSTATIONS. SECURITY DESK OPERATORS CAN VIEW STATE CHANGES IN REAL TIME ON MAPS.
4. **BACNET DEVICES:** DEVICES THAT USE THE BACNET PROTOCOL TO COMMUNICATE WITH THE PLUGIN ROLE. WHEN REQUESTED BY THE PLUGIN ROLE, THE BACNET DEVICES REPLY WITH THEIR CURRENT DATA AND STATES.
5. **TCP SERVER:** THE PLUGIN ROLE RECEIVES DATA AND EVENTS FROM DEVICES CONNECTED TO A TCP SERVER RUN BY THE PLUGIN ROLE. THE TCP SERVER MUST BE CONFIGURED TO IDENTIFY DATA AND EVENTS BY EVALUATING THE PAYLOAD SENT BY THESE DEVICES AGAINST REGULAR EXPRESSIONS.



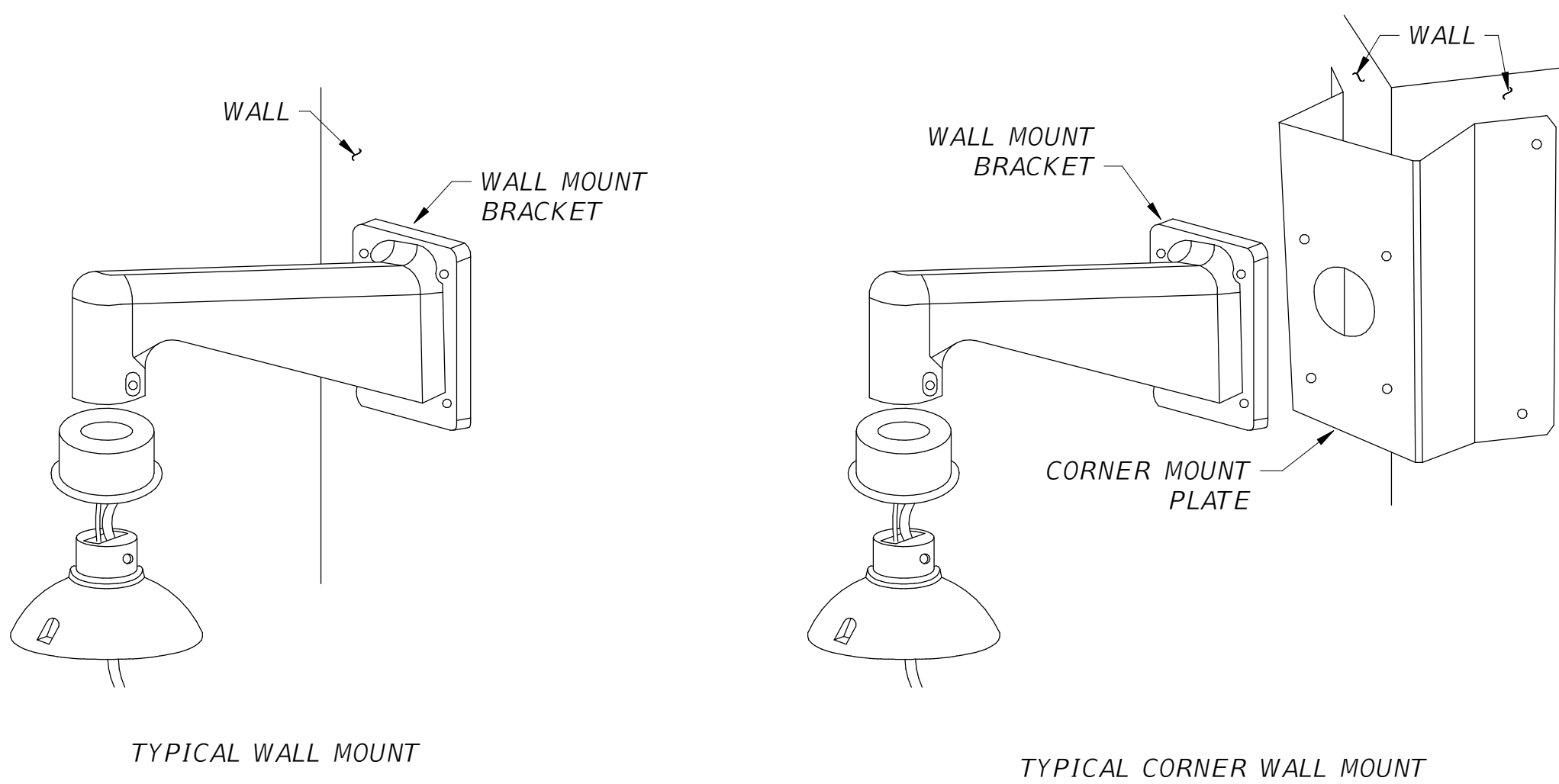
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					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		TY501
					NORTH W STREET	ESCAMBIA	451524-1-38-01		SHEET NO.



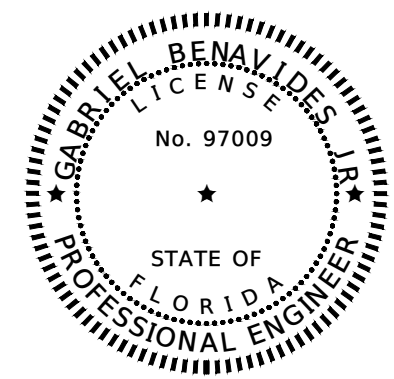
2 TYPICAL ETHERNET SURGE PROTECTION DETAIL



3 TYPICAL CONDUIT PENETRATION DETAIL



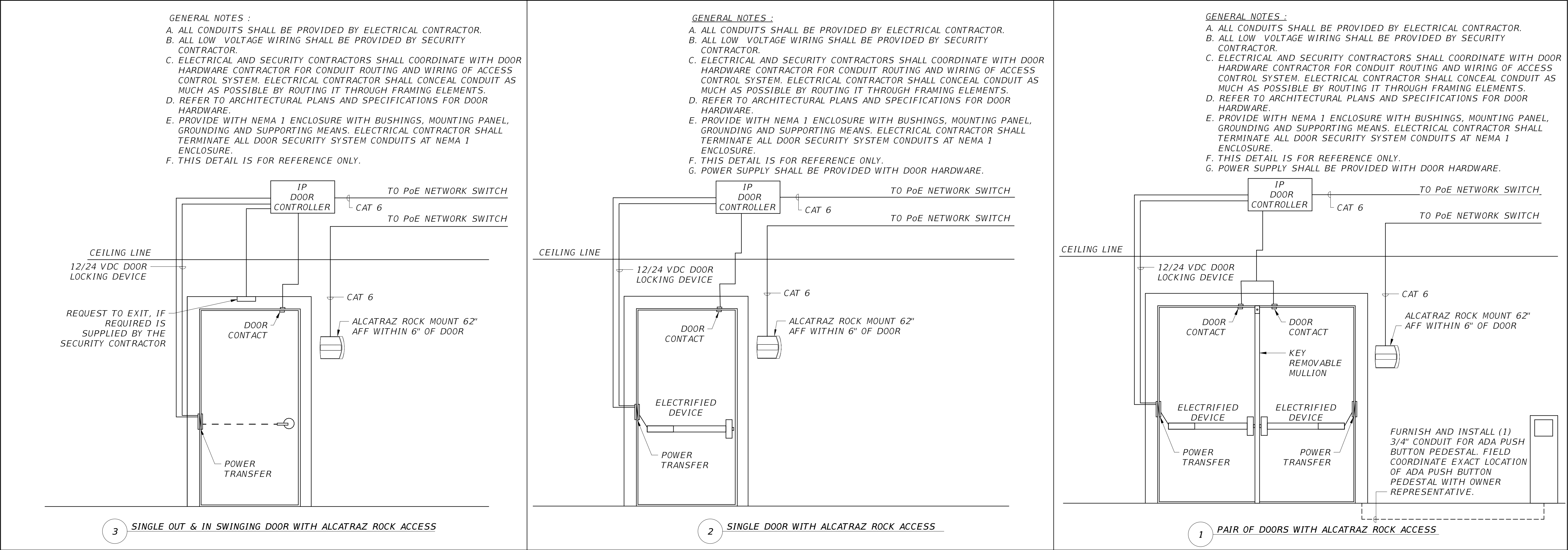
1 TYPICAL CAMERA WALL MOUNT DETAIL WITH CORNER MOUNT



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					HALFF ASSOCIATES, INC. 2255 KILLEARN CENTER BLVD. SUITE 200 TALLAHASSEE, FL 32309		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		TY502
							NORTH W STREET	ESCAMBIA	451524-1-38-01		SHEET NO.



GENERAL NOTES :

A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.

C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.

D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.

E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.

F. THIS DETAIL IS FOR REFERENCE ONLY.

G. POWER SUPPLY SHALL BE PROVIDED WITH DOOR HARDWARE.

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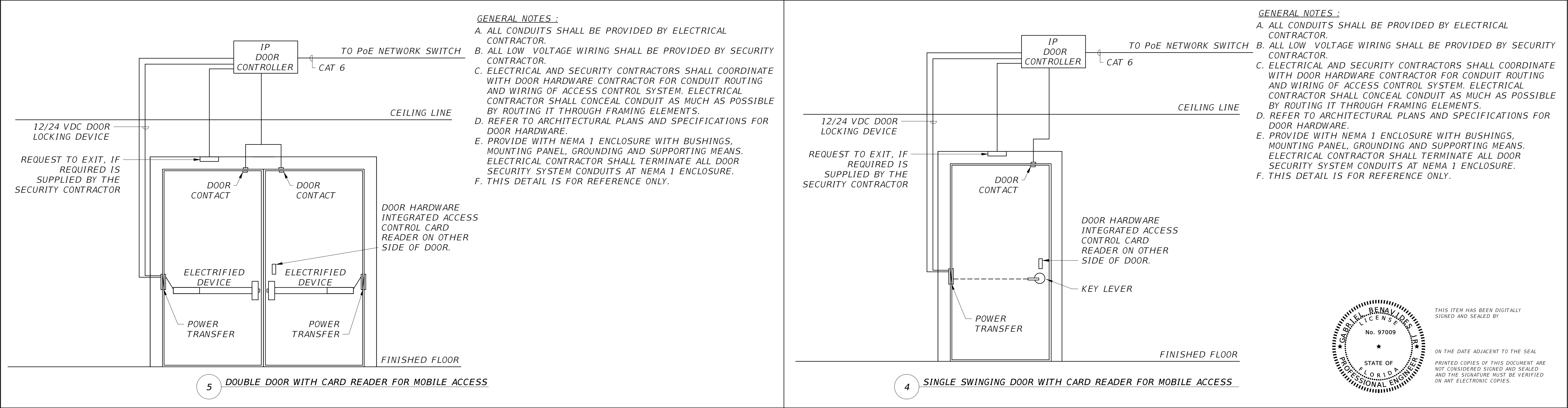
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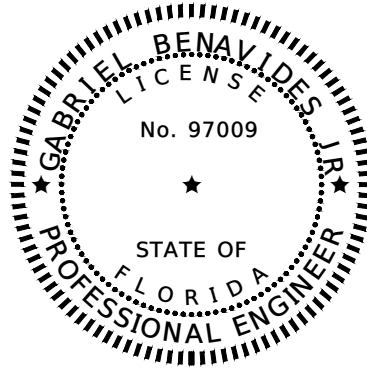
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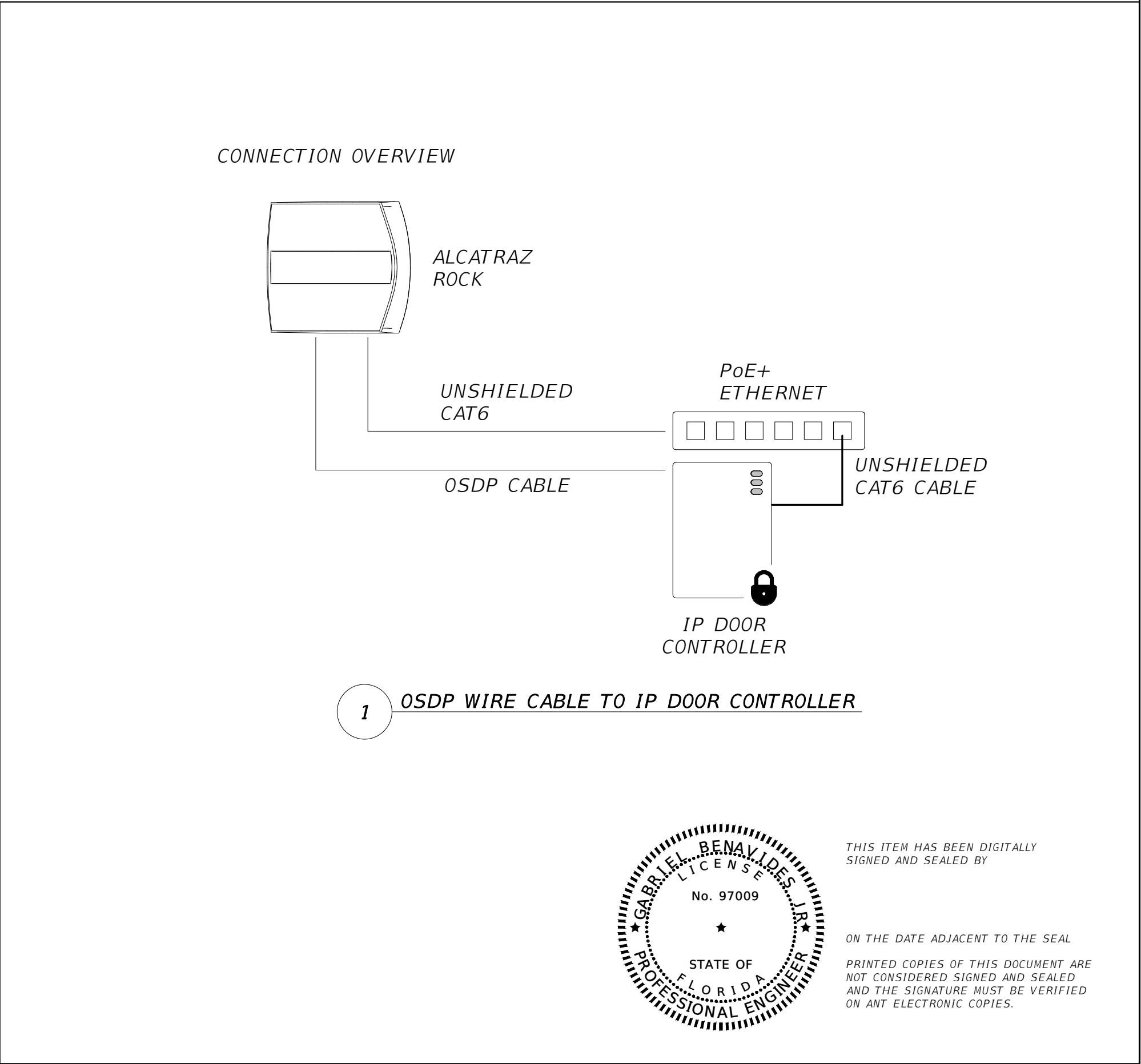
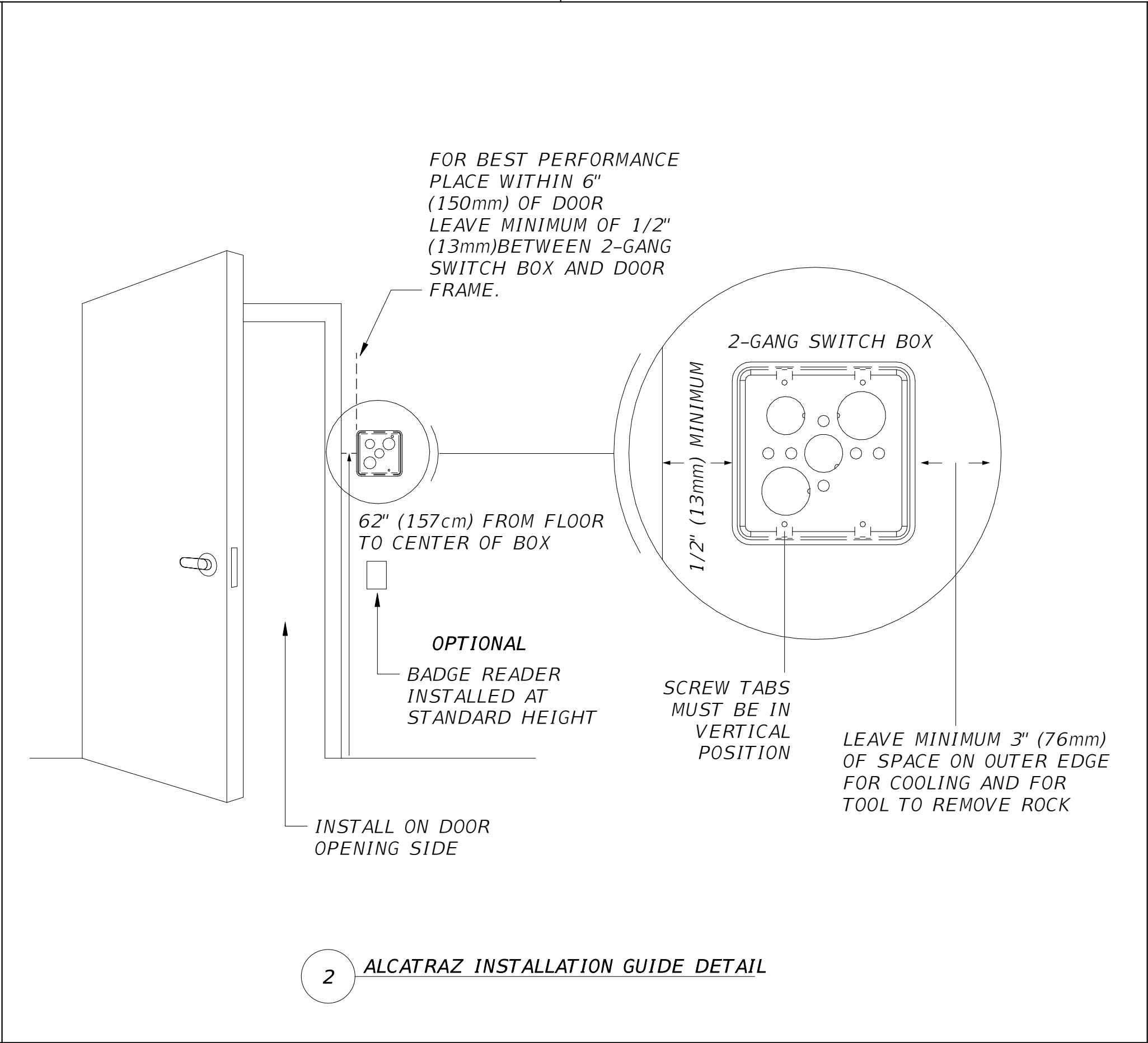
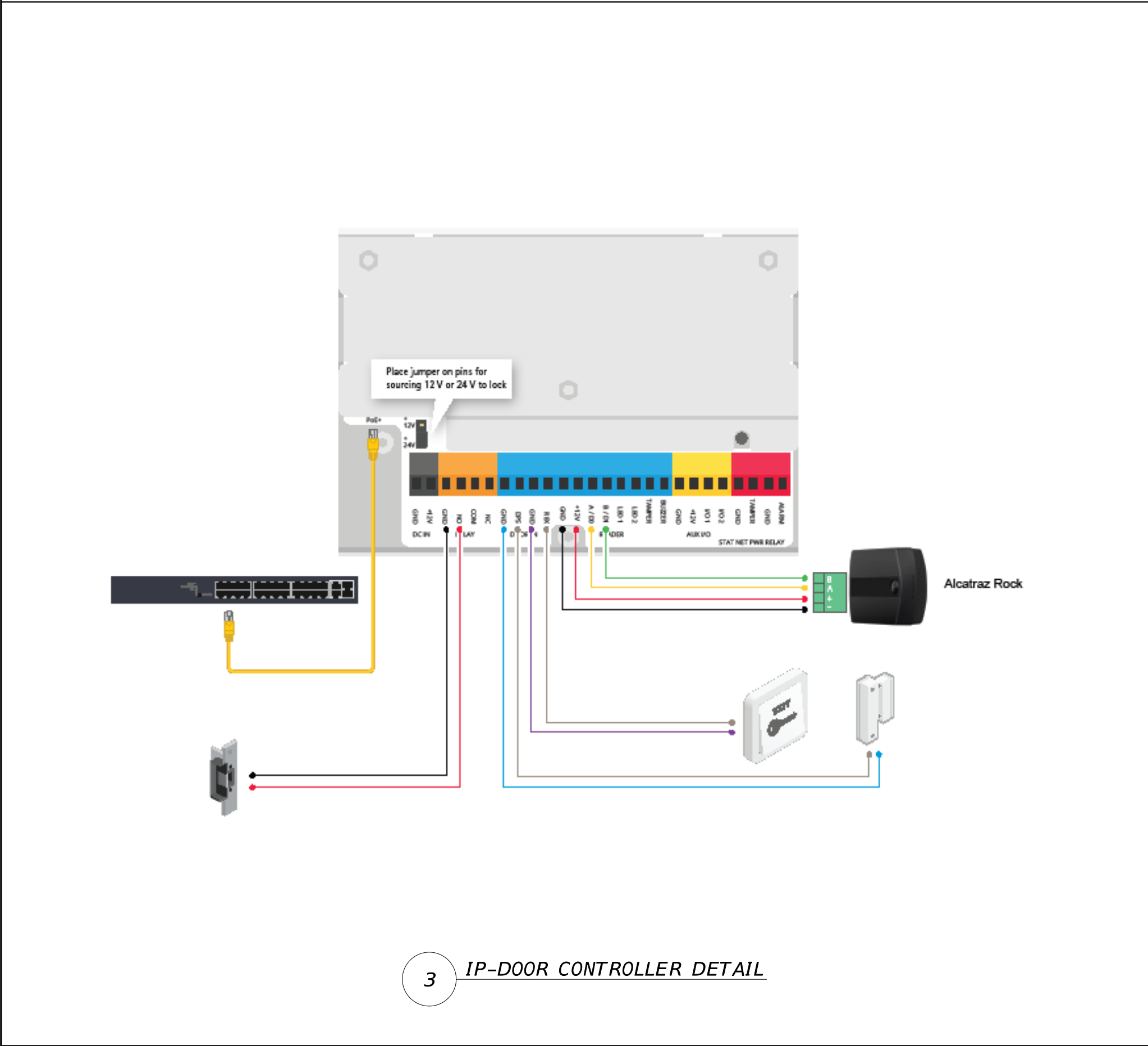


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ON THE DATE ADJACENT TO THE SEAL

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									TY504		
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