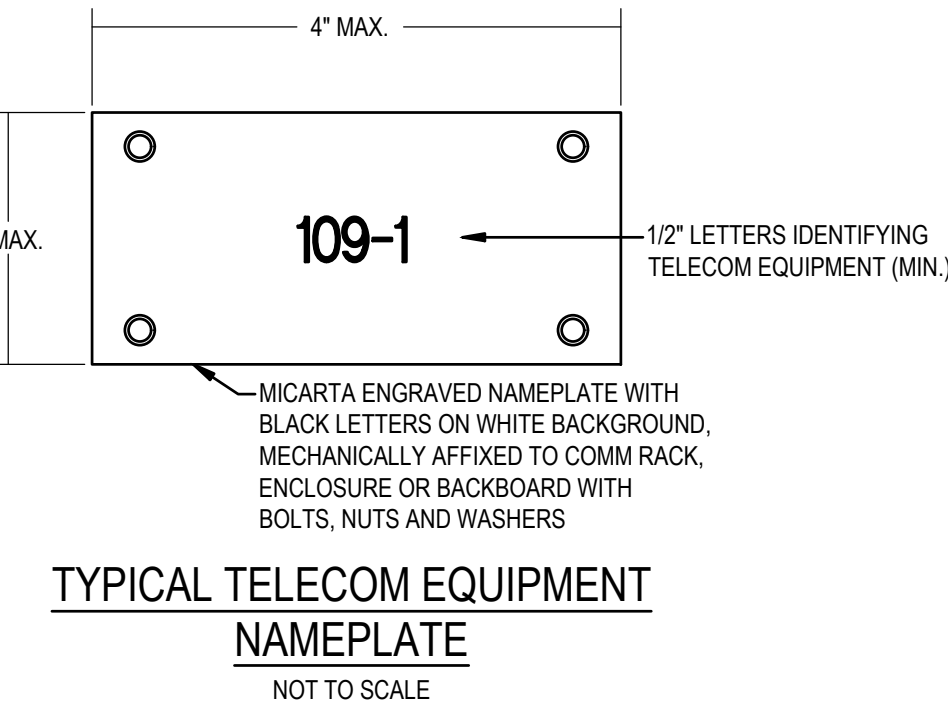




TELECOM SYSTEMS SYMBOLS		
FLR	CLG	WALL
		COMMUNICATIONS OUTLET WITH COUPLERS AND COVERPLATE. INSTALL 3/4" WITH CABLE UP INTO CEILING SPACE. SEE DETAILS FOR CONDUIT REQUIRED LOCATIONS. WALL MOUNT 18" AFF UNO.
		COMMUNICATIONS OUTLET WITH COVERS AND COVERPLATE FOR VIDEO MONITORS. LOCATED IN RECESSED WALL BOX. SEE BOX DETAILS. SEE DETAILS FOR CONDUIT REQUIRED LOCATIONS.
		WIRELESS ACCESS POINT. CONTRACTOR TO PROVIDE CABLE IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. SEE DETAILS FOR CONDUIT REQUIRED LOCATIONS.
		PLYWOOD BACKBOARD, 3/4" THICK; PAINT WITH TWO COATS OF FIRE RETARDANT PAINT.
COMMUNICATIONS OUTLET DESIGNATIONS		
	LETTERS +XX" ADJACENT TO SYMBOL INDICATES RECEPTACLE MOUNTING HEIGHT. WHERE NO HEIGHT IS INDICATED MOUNT 18" AFF TO OIL.	
	+AC" = ABOVE COUNTER.	
	+TV" = VERIFY HEIGHT OF TV WITH OWNER.	
	NUMBER "2" INDICATES NUMBER OF PORTS. NO NUMBER INDICATES ONE (1)	

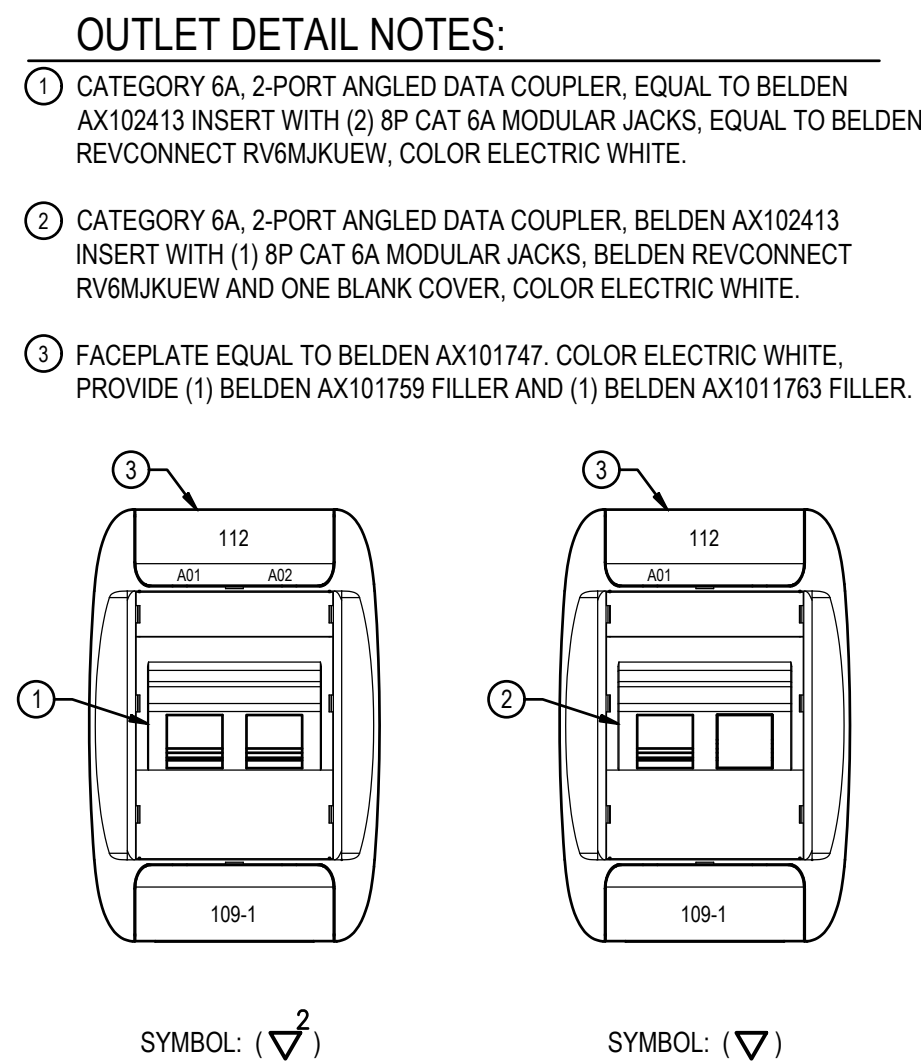
TELECOMMUNICATIONS GENERAL NOTES

- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS.
- B. DEVICES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS FOR EACH SPACE.
- C. ALL METAL PARTS OF COMMUNICATION RACKS AND EQUIPMENT SHALL BE GROUNDED THROUGH GROUND BUS. CONTRACTOR SHALL VERIFY THAT NO TWO PIECES OF EQUIPMENT IN ANY TELECOMMUNICATIONS SYSTEM HAVE A POTENTIAL DIFFERENCE GREATER THAN 500 MILLIVOLTS.
- D. CONTRACTOR SHALL SUPPLY A MICARTA NAMEPLATE MECHANICALLY AFFIXED FOR EACH COMMUNICATIONS RACK, BACKBOARD AND TERMINAL CABINET. THE NAMEPLATE SHALL IDENTIFY THE SYSTEM.
- E. ALL TURNS IN CONDUIT SHALL BE SWEPT CONDUIT OR MANUFACTURED ELBOWS. NO CONDULETS WILL BE ALLOWED.
- F. ALL COMMUNICATIONS CABLEING, WHETHER INSTALLED IN CONDUIT OR NOT, SHALL BE INSTALLED A MINIMUM OF 8" CLEAR FROM 120V ELECTRICAL, ALARM OR OTHER WIRING AND 12" CLEAR FROM MOTORS, LIGHT FIXTURES OR SOUND SYSTEM. A MINIMUM 6" CLEARANCE FOR THE SAME SHALL APPLY AT PERPENDICULAR CROSSOVER POINTS.
- G. ALL JUNCTION BOXES, CONDUIT, HANGERS AND CABLEING SHALL BE MOUNTED HIGH ENOUGH ABOVE THE SUSPENDED CEILING SO AS NOT TO INTERFERE WITH THE REMOVAL OR SERVICING OF CEILING TILES, LIGHT FIXTURES OR THE HVAC SYSTEM.
- H. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA THAT ARE PART OF THE TELECOM SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- I. IN NO CASE SHALL ANY TELECOM CONDUIT HAVE MORE THAN TWO 90 DEGREE BENDS WITHOUT TERMINATING IN A PULLBOX. PULLBOXES SHALL NOT BE USED FOR A CHANGE OF DIRECTION.
- J. ALL CABLES SHALL BE LABELED AT BOTH ENDS WITH THE COMMUNICATIONS OUTLET NUMBER AND THE PATCH PANEL OUTLET NUMBERS.
- K. ALL TELECOMMUNICATION OUTLETS SHALL BE INSTALLED FLUSH IN WALLS OR FLOOR BOXES.
- L. ALL PENETRATIONS OF FLOORS AND WALLS WHICH EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK SHALL BE FIRESTOPPED: FIRESTOPPING SHALL BE PROVIDED USING U.L. LISTED SYSTEMS WITH THE FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL ASSEMBLY. INSTALL ALL FIRESTOP MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A DETAIL FOR EACH TYPE OF PENETRATIONS REQUIRED.
- M. PROVIDE NO LESS THAN ONE SINGLE PORT DATA CABLE TO EACH OF THE FOLLOWING SPECIAL SERVICE CABINETS: A) FIRE ALARM SYSTEM, B) SECURITY SYSTEM, C) CCTV SYSTEM. COORDINATE LOCATIONS AND INTERFACE REQUIREMENTS WITH THE INSTALLER FOR EACH SPECIAL SYSTEM. CABLEING SHALL BE HOME RUN IN CONDUIT TO COMM RACK.
- N. THE INSTALLING CONTRACTOR SHALL INSTALL THE FOLLOWING AMOUNTS OF COMMUNICATIONS CABLE SLACK: COMMUNICATIONS OUTLET - 16"; TELECOM CLOSET/ROOM - 20'-0".

- A. LOCATION AND ROUTING OF CONDUIT IS APPROXIMATE AND DEPICTS DESIGN INTENT ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING AND FIELD VERIFYING FINAL CONDUIT ROUTING. THE CONTRACTOR SHALL COORDINATE THE FINAL ROUTING OF CONDUITS TO AVOID CONFLICTS WITH OTHER TRADES WHILE MINIMIZING CHANGES IN DIRECTION AND OVERALL CONDUIT LENGTH.
- B. SUPPORT CONDUIT FROM BUILDING STRUCTURE. DO NOT SUPPORT CONDUITS FROM OTHER SYSTEM COMPONENTS OR SUPPORTS.
- C. TERMINATE ALL CONDUIT ENDS WITH THREADED PLASTIC INSULATING BUSHINGS. BUSHINGS MUST FIT TIGHTLY ON CONDUIT CONNECTOR THREADS. INSTALL BUSHINGS PRIOR TO PULLING CABLES.
- D. IDENTIFY ALL CONDUITS AND PULLBOXES WITH BLUE PAINT. PAINT EACH CONDUIT COUPLING AND PULLBOX COVER.

A. ALL COMMUNICATION OUTLET LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EACH OUTLET WITH THE ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.

B. COMMUNICATION OUTLET LOCATIONS SHALL BE COORDINATED WITH WINDOWS, CASEWORK, DOOR SWINGS, COUNTER BACKSPLASHES AND ALL OTHER OBSTRUCTIONS.



NOT TO SCALE

A circular professional engineer seal for Christopher A. Garyck, State of Florida, No. 53924. The seal features a scalloped outer edge. The text "CHRISTOPHER A. GARYCK" is curved along the top inner edge, and "PROFESSIONAL ENGINEER" is curved along the bottom inner edge. In the center, the word "CERTIFICATE" is at the top, "No. 53924" is in the middle, and "STATE OF FLORIDA" is at the bottom. Three stars are positioned around the central text: one on the left, one above "STATE OF", and one on the right.

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Christopher A. Garick; FL PE No.53
 Daniel J. White; FL PE No.73790
 Caleb W. Leonard; FL PE No.91782

26004
Job No.

Job No.

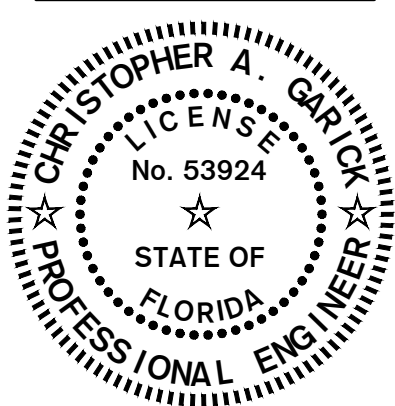
15 SEPT 2026

LEGEND AND NOTES

T1.00

Okaloosa County Facilities Warehouse

5489 OLD BETHEL ROAD
CRESTVIEW, FLORIDA

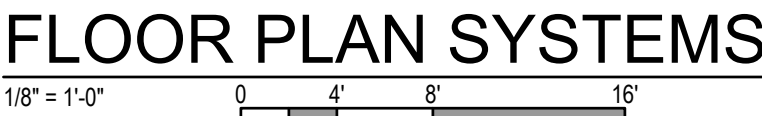


DATE:	SEPT 15, 2026
DRAWN BY:	R ENGLE / C PASTORIUS
PROJECT NO:	2601
REVISIONS:	

	CO
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RENGLE - 8:08 AM - T1.00 LEGEND AND NOTES.dwg



- ① TELECOM BACKBOARD, 4FT. WIDE X 8 FT. HIGH X 3/4" DEEPER PLYWOOD, PAINT TWO COATS FIRE RETARDANT PAINT. INSTALL ONE NO. 6 COPPER GROUND CONDUCTOR IN 3/4" CONDUIT TO BUILDING GROUND, LEAVE 4 FT. SLACK CONDUCTOR AT BACKBOARD.
- ② ACCESS CONTROL DOOR - REFER TO DETAILS.
- ③ INSTALL (2)2" EMPTY CONDUIT WITH PULLRIBBONS BACK TO TELECOM BACKBOARD, STUB-UP 6" AFF; FOR FUTURE USE. STUB-OUT, CAP AND MARK LOCATION. SEAL ALL CONDUIT SEGMENTS.
- ④ INSTALL ELECTRICAL PULLBOX FOR TELECOM UTILITY SERVICE ENTRANCE. REFER TO SITE PLAN FOR CONTINUATION

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T2.00

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RENGLE - 8:08 AM - T2.00 FLOOR PLAN SYSTEMS.dwg

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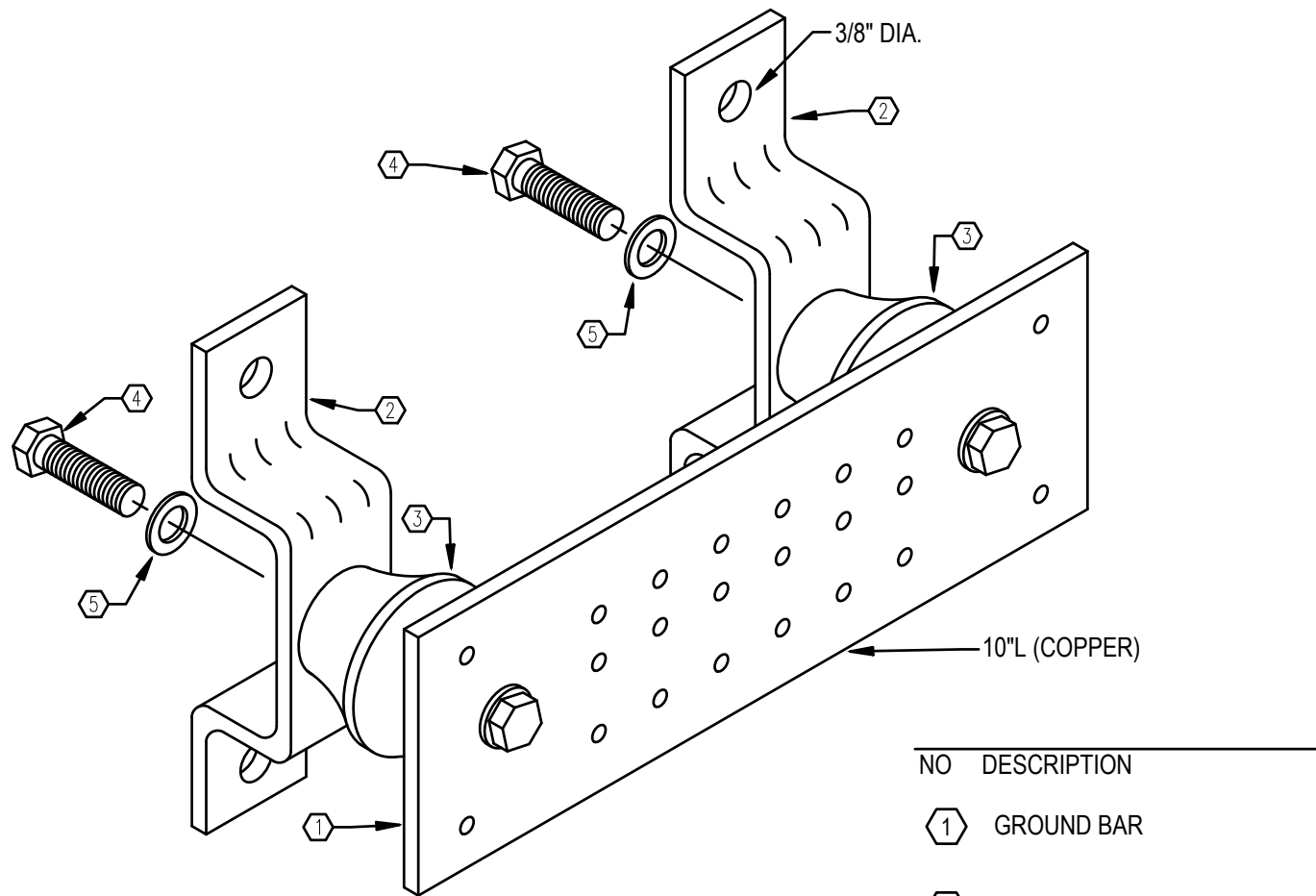
Christopher A. Garick; FL. PE No.
 Daniel J. White; FL. PE No.73790
 Caleb W. Leonard; FL. PE No.91

26004
Job No.

Job No.

15 SEPT 2026

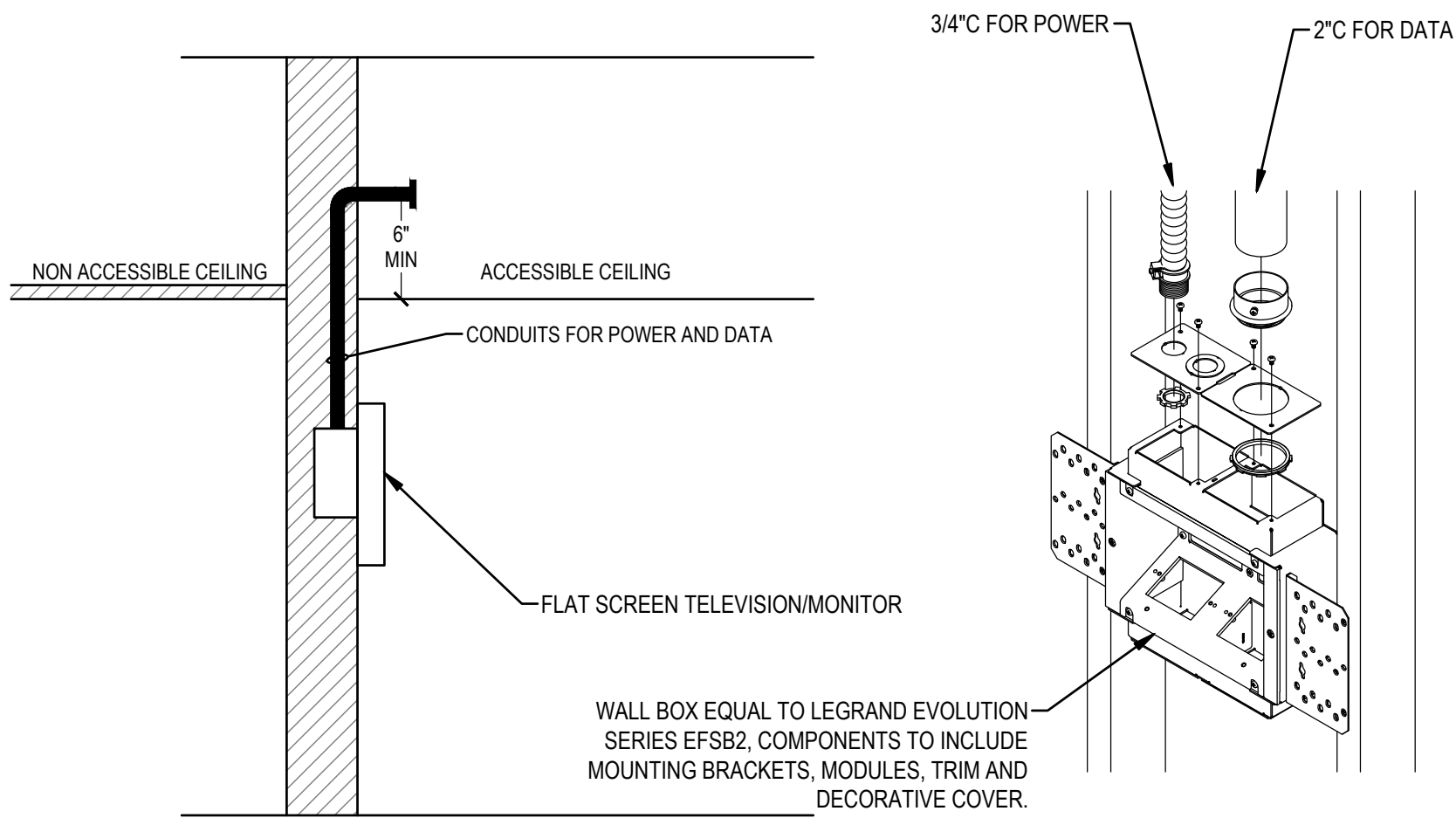
RENGLE - 8:58 AM - T3.00 TELECOMMUNICATIONS DETAILS.dwg



- GROUND BAR NOTES:**
1. INSTALL ONE BAR AT EACH COMMUNICATIONS ROOM.
 2. ROUTE 1#4 BARE CU IN 1" CONDUIT FROM GROUND BAR TO BUILDING ELECTRICAL SERVICE ENTRANCE GROUND.
 3. CONNECT BARS WITH 1#6 BARE CU IN 1" CONDUIT.

INSULATED GROUNDING BAR DETAIL

NOT TO SCALE



FLAT PANEL OUTLET MOUNTING DETAIL

NOT TO SCALE

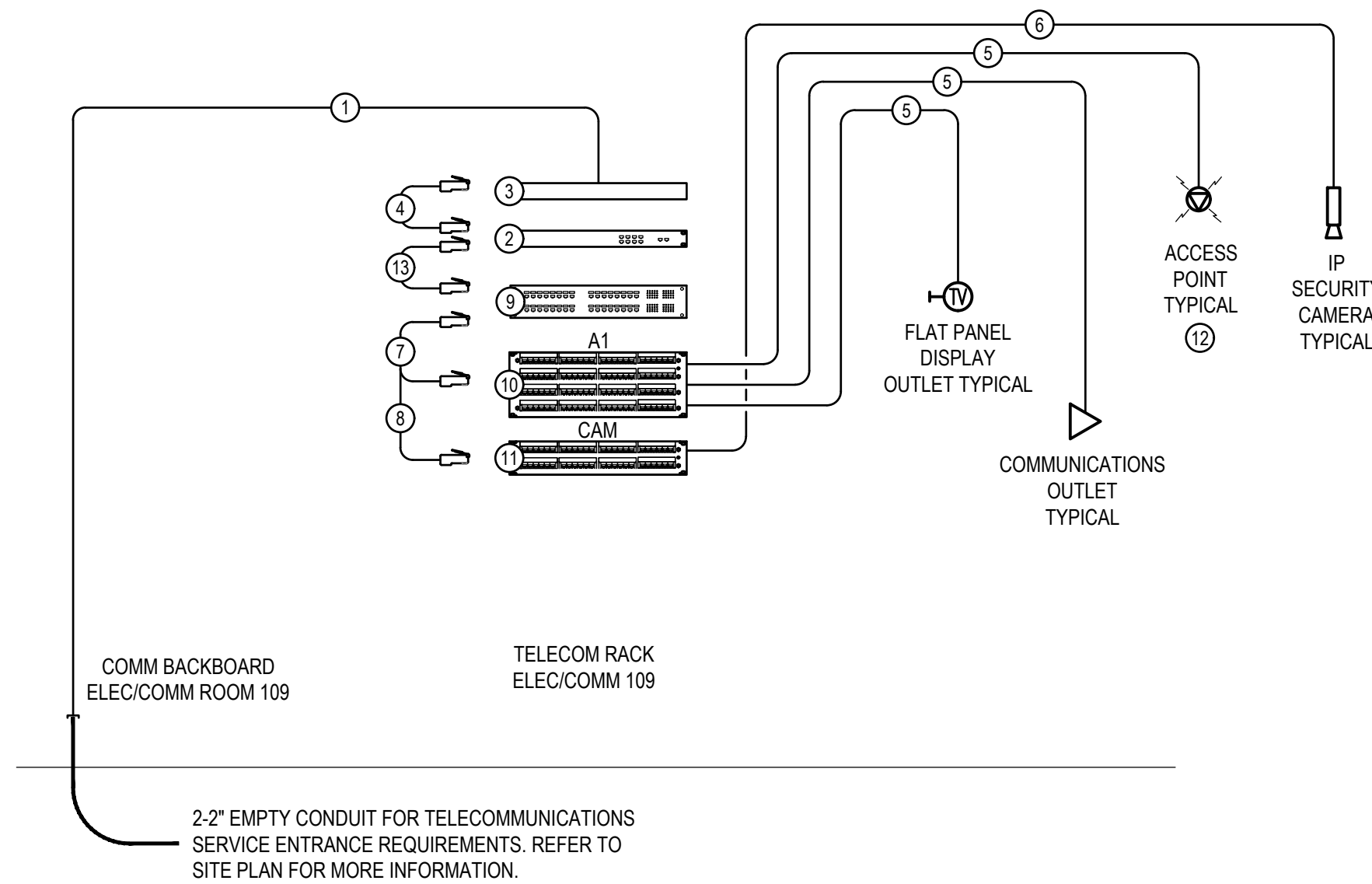
PATCH PANEL A1 IDF 109		Number of Ports: EIA/TIA Category Rating: Options:	48 6a BLUE, WHITE, OR RED COUPLERS	Coupler Style: Mounting:	SINGLE 19" RACK
Room No.	Location Served	Number of Terminations		Physical Port Numbers	
102	WAREHOUSE	1	102 .1 - 1	1 - 1	
103	SUPERVISOR	4	103 .1 - 4	2 - 5	
104	ASSISTANT	4	104 .1 - 4	6 - 9	
105	WORKROOM	4	105 .1 - 4	10 - 13	
108	BREAK ROOM	1	108 .1 - 1	14 - 14	
109	MECH / ELEC	2	109 .1 - 2	15 - 16	
110	STAFF	4	110 .1 - 4	17 - 20	
111	GROUPS SUPERVISOR	4	111 .1 - 4	21 - 24	
EXT	EXTERIOR	1	EXT .1 - 1	25 - 25	
--	SPARE	12	-- .1 - 12	26 - 37	
--	SPACE	11	-- .1 - 11	38 - 48	
Patch Panel Totals:		48			

PATCH PANEL CAM		Number of Ports: EIA/TIA Category Rating: Options:	24 6 YELLOW COUPLERS	Coupler Style: Mounting:	SINGLE 19" RACK
Room No.	Location Served	Number of Terminations	Camera Served	Physical Port Numbers	
EXT	EXTERIOR	6	EXT .1 - 6	1 - 6	
102	WAREHOUSE	6	102 .1 - 6	7 - 12	
--	SPARE	12		13 - 24	
Patch Panel Totals:		24			

PATCH CORD NOTE:

TIA-568 ALLOWS A MAXIMUM OF 33 FT (10M) FOR ALL CROSS CONNECT AND EQUIPMENT PATCH CORDS. CROSS CONNECT AND EQUIPMENT PATCH CORDS SHALL BE KEPT AS SHORT AS POSSIBLE BUT STILL ALLOW FOR PROPER CONNECTION. THERE SHALL BE NO TENSION IN THE CORDS THAT CAUSE CONNECTIONS TO EQUIPMENT TO LOOSEN OR DEGRADE SERVICE. CORDS SHALL HAVE MINIMAL SLACK.

PATCH CORD QUANTITY SCHEDULE					
Location	Patch Cord Color	Total # of Cat 6a Patch Cords		Total # of Cat 6 Patch Cords	
		Length (m)		Length (m)	
109.1	BLUE (Comm Outlet)	1	2	1	2
	WHITE (Access Point)	30	-	-	-
	YELLOW (Security Camera)	-	-	13	-
	RED (Fire Alarm)	1	-	-	-

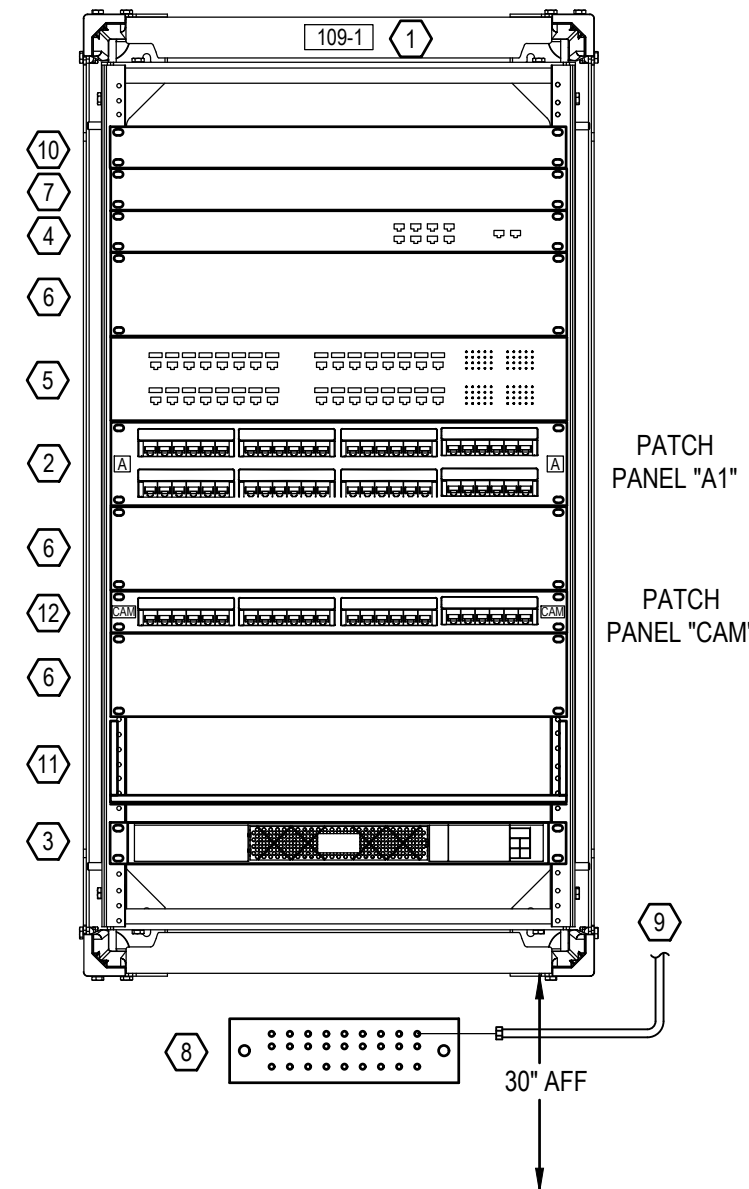


DATA SYSTEM RISER DIAGRAM

NOT TO SCALE

RACK EQUIPMENT SCHEDULE

1. COMMUNICATION EQUIPMENT RACK, 43" H x 28" D WALL MOUNT SWING OUT RACK, EQUAL TO CHATSWORTH 11791-E25 WITH HEAVY DUTY SWING GATE KIT, GLACIER WHITE IN COLOR. PROVIDE WITH SIX RINGS, CHATSWORTH 11799-001. PROVIDE WITH SIDE LOUVERED PANELS AND FRONT SCREEN PANEL.
2. PATCH PANEL, 48-PORT MODULAR OPEN BLADE PATCH PANEL WITH SNAP-IN 8-POSITION (RJ45) JACKS. SEE SCHEDULE.
3. UPS; EATON 5PX2200RT 2KVA RACK MOUNT WITH NETWORK CARD. PROVIDE MINIMUM 12 FT POWER CORD.
4. OWNER MODEM/ROUTER AND/OR OFCI ENTERPRISE SECURITY GATEWAY
5. OFCI MANAGED NETWORK POE SWITCH
6. FRONT & REAR CABLE MANAGEMENT PANEL EQUAL TO PANDUIT #WMP1E, 3.5"HX19"WX8.4"D.
7. FRONT & REAR CABLE MANAGEMENT PANEL EQUAL TO PANDUIT #WMP1SE, 1.7"HX19"WX7.4"D.
8. TELECOM GROUNDING BUSBAR (TBB), EQUAL TO HARGER GBI14412J, MOUNT TO BACKBOARD.
9. ONE #4 CU GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT TO BUILDING GROUND.
10. FIBER DRAWER WITH SPLICE TRAY. COORDINATE WITH OWNER ON CONNECTOR TYPES.
11. EQUIPMENT SHELF
12. PATCH PANEL, 24-PORT MODULAR OPEN BLADE PATCH PANEL WITH SNAP-IN 8-POSITION (RJ45) JACKS. SEE SCHEDULE.

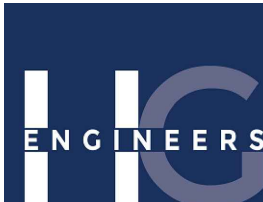


RACK ELEVATION

NOT TO SCALE

DATA SYSTEM NOTES:

1. BUILDING ENTRANCE CABLE (FIBER WHERE AVAILABLE) PROVIDED AND INSTALLED BY OWNER.
2. MODEM / ROUTER AND/OR ENTERPRISE SECURITY GATEWAY PROVIDED BY OWNER.
3. FIBER PATCH PANEL FOR UTILITY FIBER WITH SPLICE TRAY; COORDINATE WITH OWNER ON CONNECTOR TYPE.
4. CABLE TO GATEWAY BY OWNER.
5. HORIZONTAL WIRING CABLES, CATEGORY 6A, FOUR-PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. MAXIMUM LENGTH 90 METERS (295'). CABLE COLOR SHALL BE BLUE FOR DATA AND WHITE FOR ACCESS POINTS. TERMINATE CABLES AT PATCH PANEL "A1".
6. IP SECURITY CAMERA CABLES, CATEGORY 6, FOUR-PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. MAXIMUM LENGTH 90 METERS (295'). CABLE COLOR SHALL BE YELLOW. TERMINATE CABLES AT PATCH PANEL "CAM".
7. EQUIPMENT PATCH CORDS, CATEGORY 6A, FOUR-PAIR 100-OHM UTP CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. PROVIDE BLUE FOR COMM OUTLETS AND WHITE FOR ACCESS POINTS.
8. EQUIPMENT PATCH CORDS, CATEGORY 6, FOUR-PAIR 100-OHM UTP CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. PROVIDE YELLOW FOR IP SECURITY CAMERAS.
9. OFCI MANAGED NETWORK POE SWITCH; PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.
10. 48 PORT MODULAR OPEN BLADE PATCH PANEL "A1"; SEE PATCH PANEL SCHEDULE. PROVIDE COLORED SNAP-IN, CAT 6A RATED, 8-POSITION (RJ45) JACKS TO MATCH CABLE COLOR..
11. 24 PORT MODULAR OPEN BLADE PATCH PANEL "CAM"; SEE PATCH PANEL SCHEDULE. PROVIDE COLORED SNAP-IN, CAT 6 RATED, 8-POSITION (RJ45) JACKS TO MATCH CABLE COLOR..
12. OFCI ACCESS POINT.
13. FIBER OPTIC PATCH CORD; DUAL STRAND, DIELECTRIC, FACTORY TERMINATED AND TESTED.



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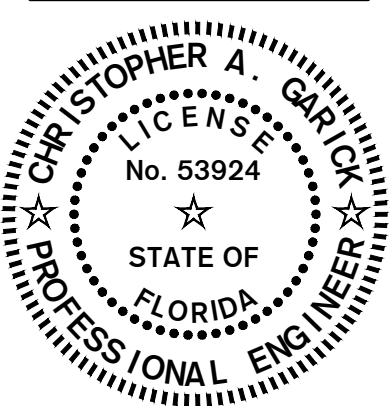
26004

Job No.

15 SEPT 2026

TELECOMMUNICATIONS
DETAILS

T3.00



DATE: SEPT 15, 2026
DRAWN BY: RENGLE / C.PASTORIUS
PROJECT NO: 2601
REVISIONS:
FOR BID

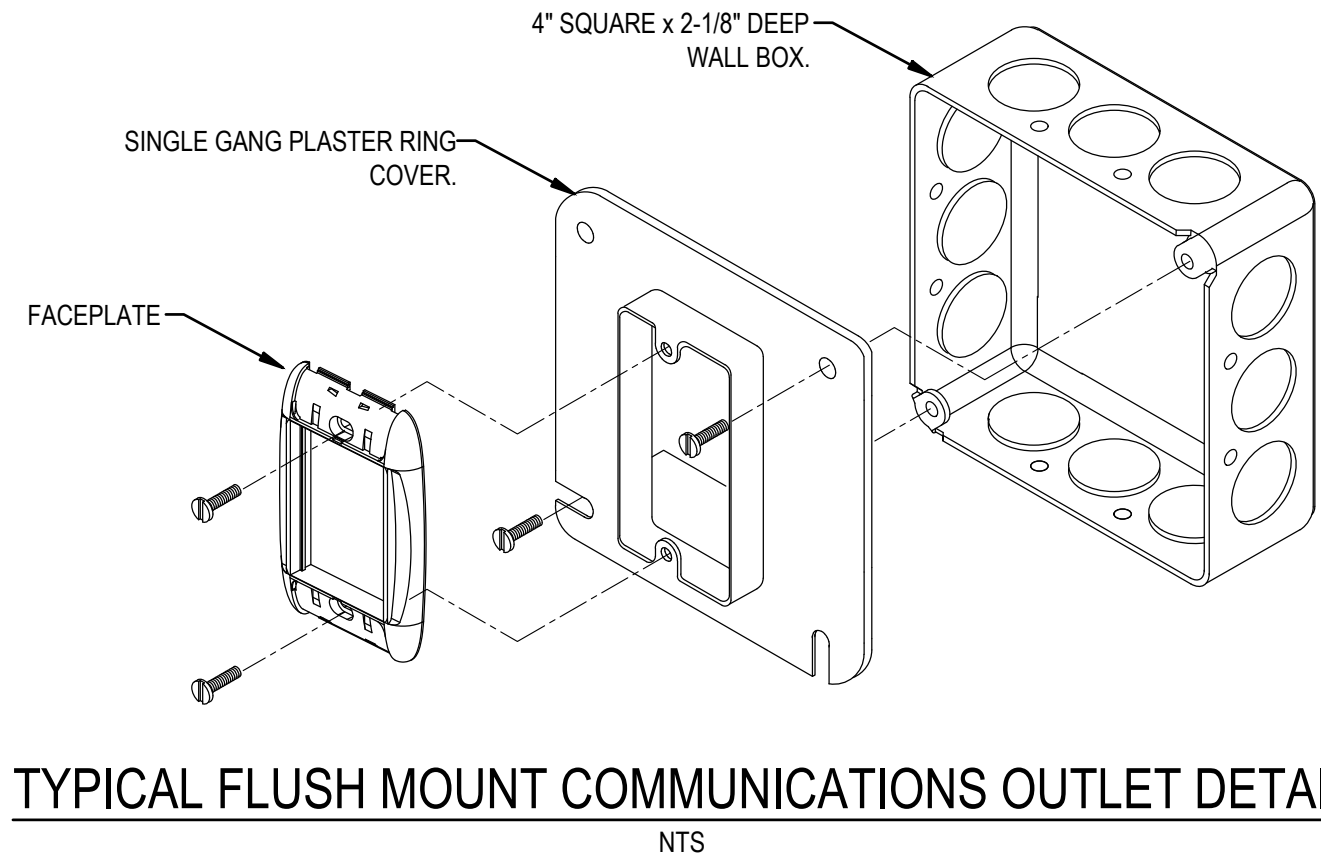
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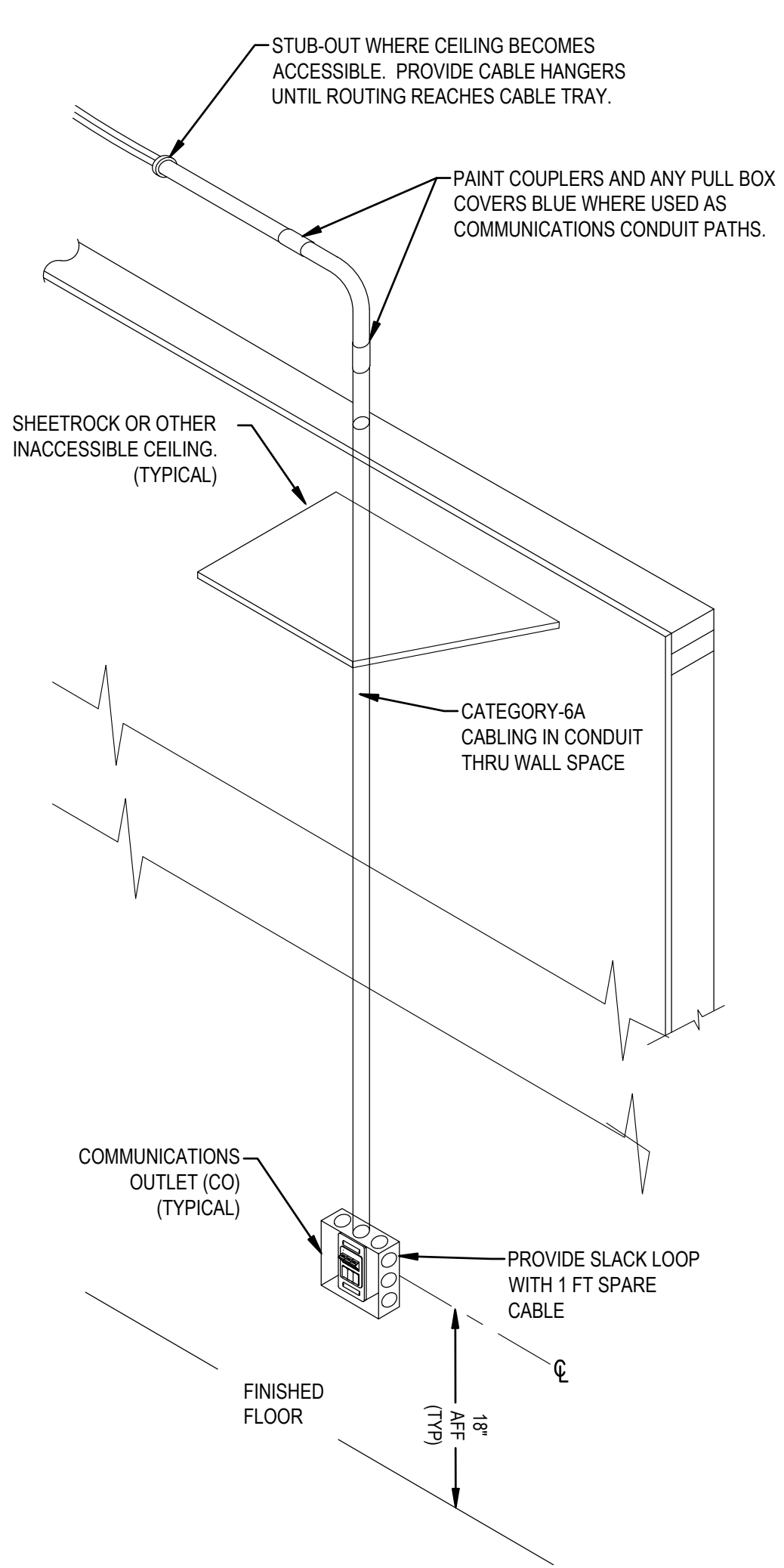
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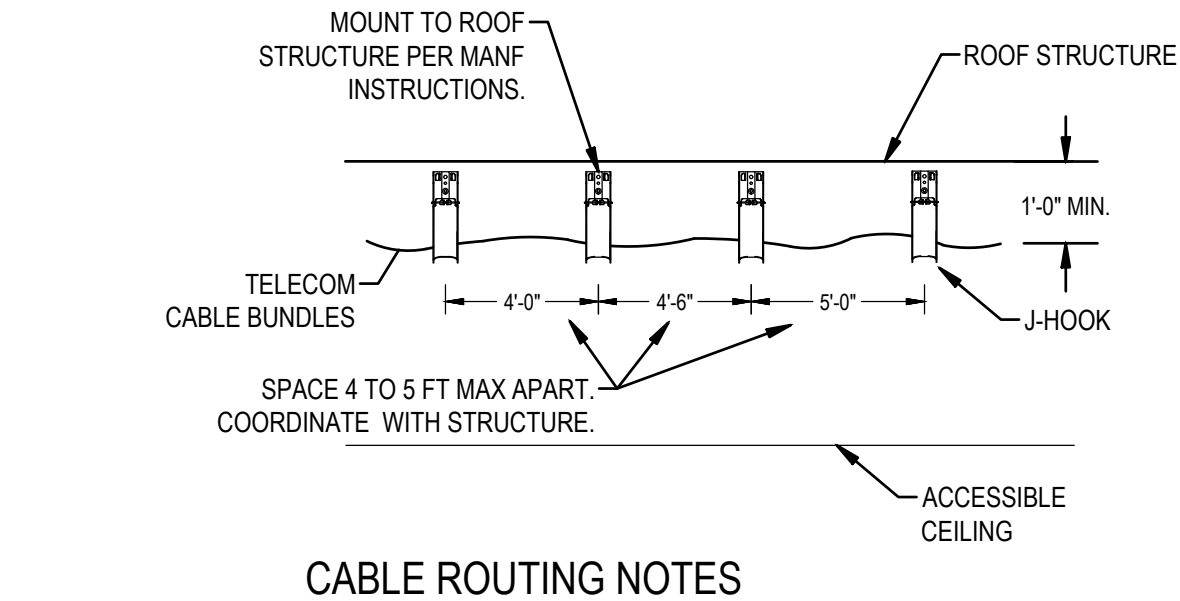
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TYPICAL FLUSH MOUNT COMMUNICATIONS OUTLET DETAIL
NTS



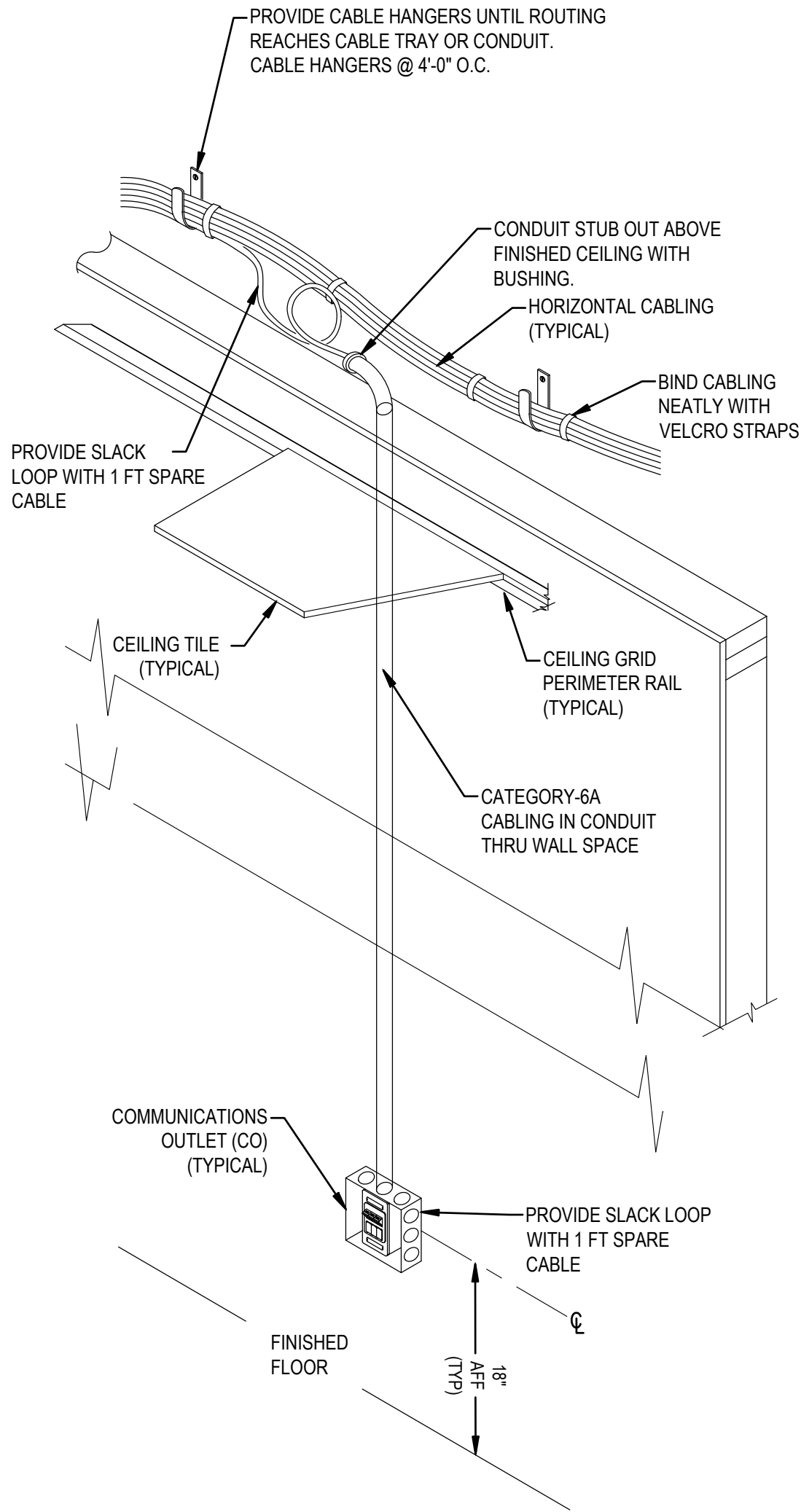
COMMUNICATIONS OUTLET
INSTALLATION DETAIL
AT INACCESSIBLE CEILING LOCATIONS
NTS



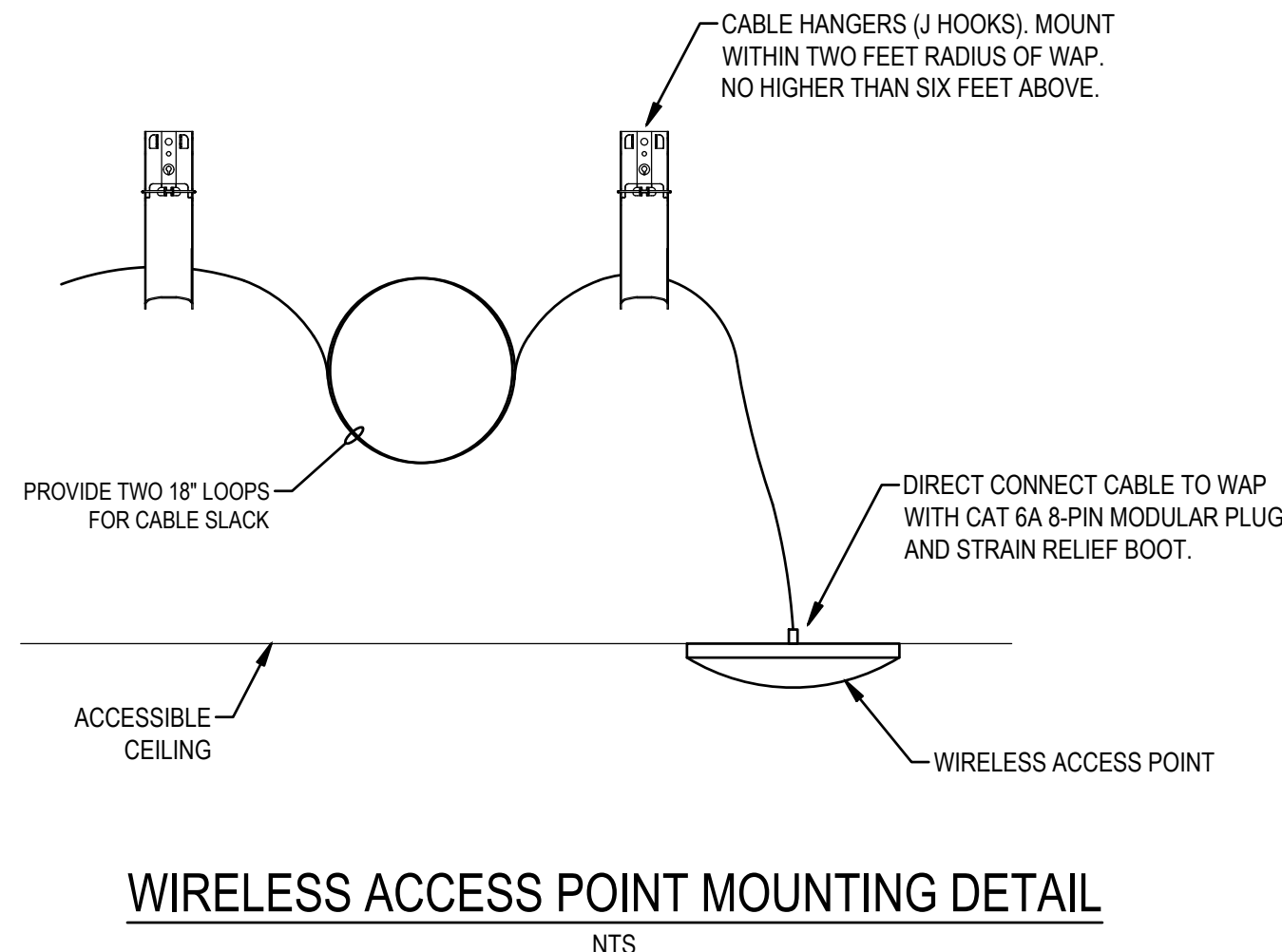
CABLE ROUTING NOTES

- ROUTE PERPENDICULAR & PARALLEL TO BUILDING LINES.
- BUNDLE CABLES WITH PANDUIT PAN-TY PRT4S-C WITH RELEASABLE LOOP AT EACH HANGER.
- HANGERS FOR CABLES SHALL BE J-HOOKS EQUAL TO ERICO CADDY CAT 32 HP. COLOR SHALL BE BLUE.
- MAXIMUM NUMBER OF CABLES OR BUNDLE SIZE IS 25 FOR CAT 6A AND 40 FOR CAT 5 OR 6.
- EACH CATEGORY OF CABLE SHALL BE BUNDLED TOGETHER WITH LIKE CABLE, SEPARATE FROM OTHER CATEGORIES OF CABLING. I.E. DON'T BUNDLE CAT 6 WITH CAT 6A.

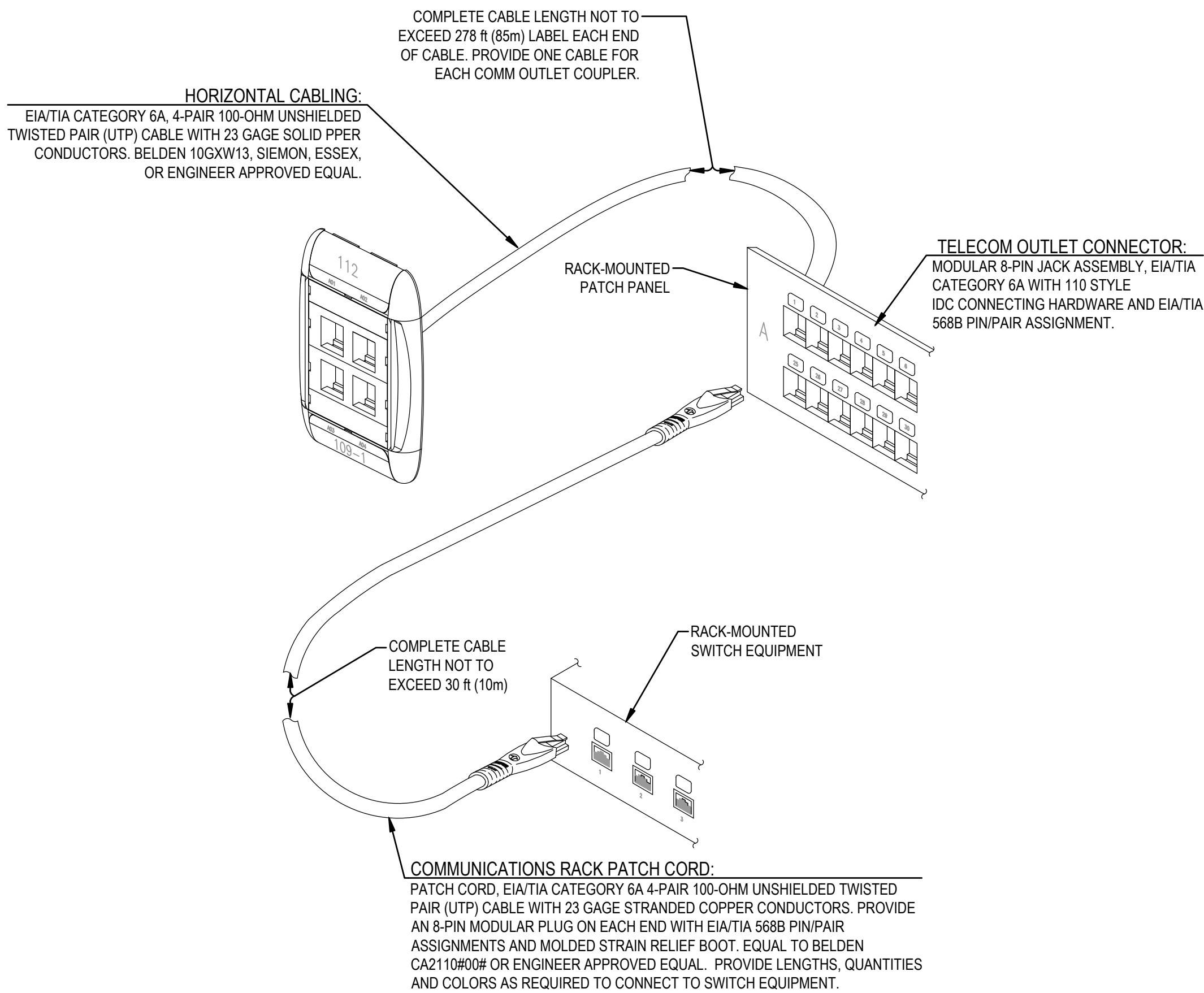
CABLE ROUTING DETAIL
NTS



COMMUNICATIONS OUTLET
INSTALLATION DETAIL
AT ACCESSIBLE CEILING LOCATIONS
NTS



WIRELESS ACCESS POINT MOUNTING DETAIL
NTS

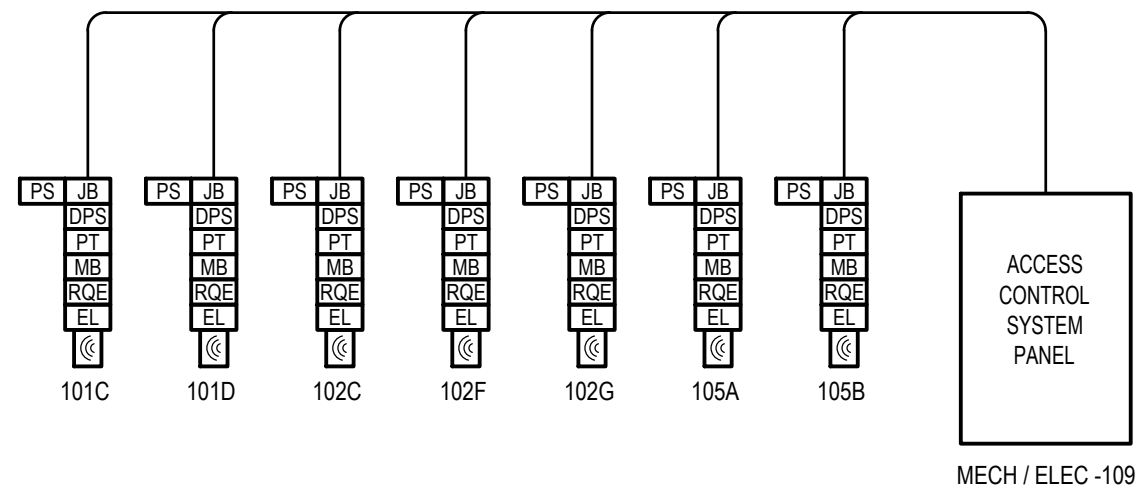


COMMUNICATIONS CABLING DETAIL
NTS



DOOR ROUGH-IN DETAIL

NOT TO SCALE



ACCESS CONTROL SYSTEM RISER DIAGRAM

NOT TO SCALE

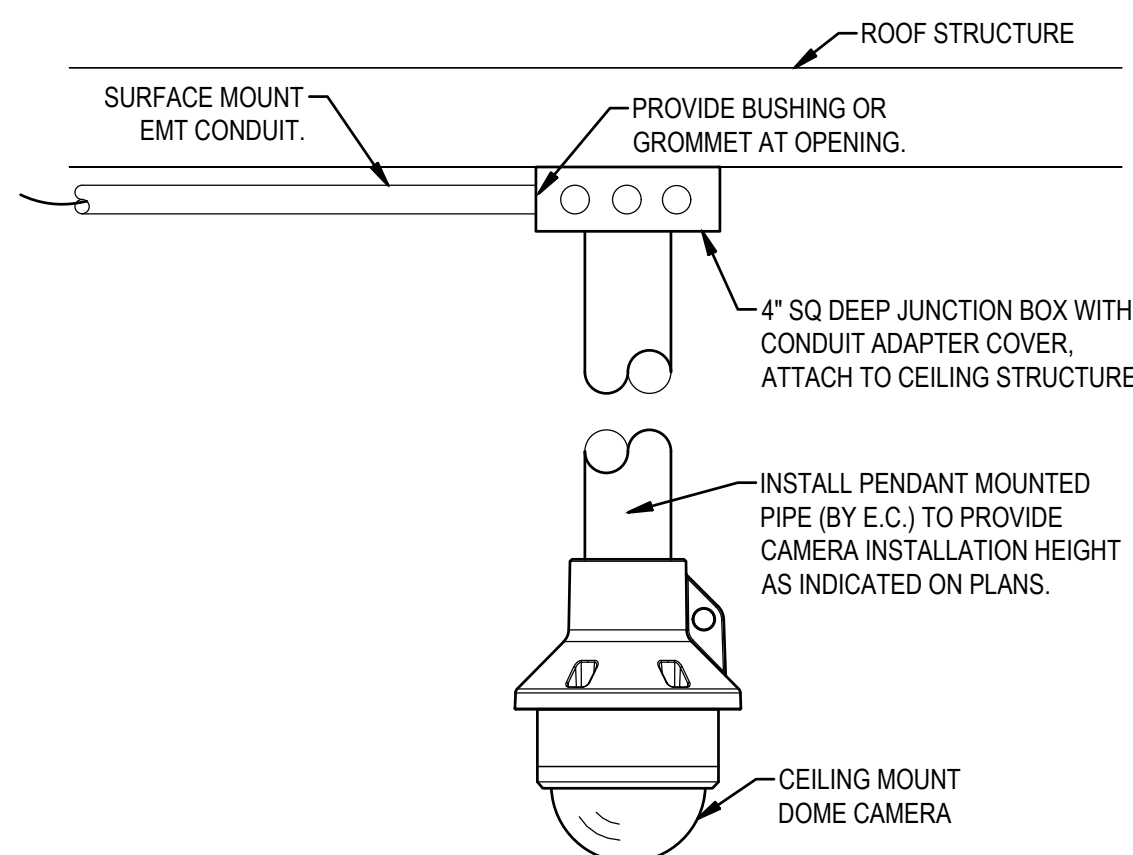
ACCESS CONTROL LEGEND

ACCESS CONTROL GENERAL NOTES

- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS.
- B. ALL ACCESS CONTROL CABLING SHALL BE RUN CONTINUOUSLY IN CONDUIT. CONDUIT TYPES ARE AS DEFINED IN ELECTRICAL DRAWINGS & SPECIFICATIONS. MINIMUM SIZE IS 3/4" EXCEPT AT DOOR FOR CONNECTIONS WHERE 1/2" IS ALLOWED. ALL CONDUIT SHALL BE CONCEALED IF AT ALL POSSIBLE WHERE EXISTING WALLS DO NOT PROVIDE FOR IT. EXPOSED CONDUITS TO PUBLIC SHALL BE GRC.
- C. ALL JUNCTION BOXES, CONDUIT, HANGERS AND CABLING SHALL BE MOUNTED HIGH ENOUGH ABOVE THE SUSPENDED CEILING SO AS NOT TO INTERFERE WITH THE REMOVAL OR SERVICING OF CEILING TILES, LIGHT FIXTURES OR THE HVAC SYSTEM. PAINT ACCESS CONTROL JUNCTION BOX COVERS AND CONDUIT COUPLERS WHITE FOR ENTIRE ACCESS CONTROL SYSTEM.
- D. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA THAT ARE PART OF THE ACCESS CONTROL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- E. ALL PENETRATIONS OF FLOORS AND WALLS WHICH EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK SHALL BE FIRESTOPPED. FIRESTOPPING SHALL BE PROVIDED USING U.L. LISTED SYSTEMS WITH THE FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL ASSEMBLY. INSTALL ALL FIRESTOP MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A DETAIL FOR EACH TYPE OF PENETRATIONS REQUIRED.
- F. PROVIDE BUSHINGS ON ALL CONDUIT ENDS.
- G. REFER TO DOOR HARDWARE SPECIFICATION AND DRAWINGS TO COORDINATE DOOR HARDWARE TYPES. POWER SUPPLIES SERVING SECURE DOORS WITH EXIT DEVICES SHALL BE PROVIDED AS PART OF THE DOOR HARDWARE PACKAGE AND SHALL BE THE SAME MANUFACTURER AS THE EXIT DEVICE.
- H. ALL DOORS SHALL HAVE MECHANICAL FREE EGRESS FROM SECURE SIDE TO UNSECURE SIDE UNLESS NOTED OTHERWISE BY DOOR HARDWARE SPECIFICATIONS.
- I. ALL DOORS SHALL FAIL SECURE UPON LOSS OF POWER TO LOCKING DEVICE UNLESS NOTED OTHERWISE BY DOOR HARDWARE SPECIFICATIONS.
- J. ALL SECURE DOORS SHALL HAVE REQUEST TO EXIT INTEGRAL TO THE DOOR HARDWARE SUCH THAT EGRESS THROUGH A SECURE DOOR FROM THE SECURE SIDE SHALL NOT GENERATE AN INTRUSION ALARM, UNLESS NOTED OTHERWISE BY DOOR HARDWARE SPECIFICATION.
- K. PROVIDE WEATHERPROOF CARD READERS AND PUSH TO ENTER DEVICES AND CONSTRUCTION TECHNIQUES AT ALL EXTERIOR LOCATIONS.
- L. CARD READER LOCATIONS ARE APPROXIMATE. EXACT LOCATION WITHIN VICINITY OF THE DOOR SERVED TO BE DETERMINED BY OWNER AND ARCHITECT PRIOR TO ROUGHING-IN AT NO COST TO OWNER.
- M. FINAL DOOR NUMBERS SHALL BE BASIS FOR SYSTEM LABELING AND PROGRAMMING. COORDINATE FINAL NUMBERS WITH OWNER AND ARCHITECT PRIOR TO PROGRAMMING AND LABELING.
- N. A DATA CONNECTION SHALL BE PROVIDED TO THE ACCESS CONTROL PANEL FOR CONNECTION TO THE ACCESS CONTROL / ALARM PANEL. IMMEDIATE EMERGENCY NOTIFICATION SHALL BE SENT TO OWNER DESIGNATED RECEIVING STATION OF AN ALARM EVENT UPON ACTIVATION. THE ACCESS CONTROL SYSTEM SHALL REPORT ALARM EVENTS TO THE OWNER DESIGNATED EMPLOYEE BY ANY COMBINATION OF TEXT, EMAIL, OR OTHER METHODS AS DESIGNATED BY THE OWNER.
- O. AN ACCESS CONTROL / ALARM SYSTEM SHALL BE SET UP AS AN EXTENSION OF AND FULLY INTEGRATED WITH THE ACCESS CONTROL SYSTEM.
- P. ALL CONDUIT AT SECURE AND MONITORED DOORS SHALL BE MOUNTED ON THE SECURE SIDE.
- Q. PROVIDE LOCKABLE ACCESS PANEL FOR ACCESS TO ABOVE CEILING JUNCTION BOXES ABOVE HARD CEILINGS.

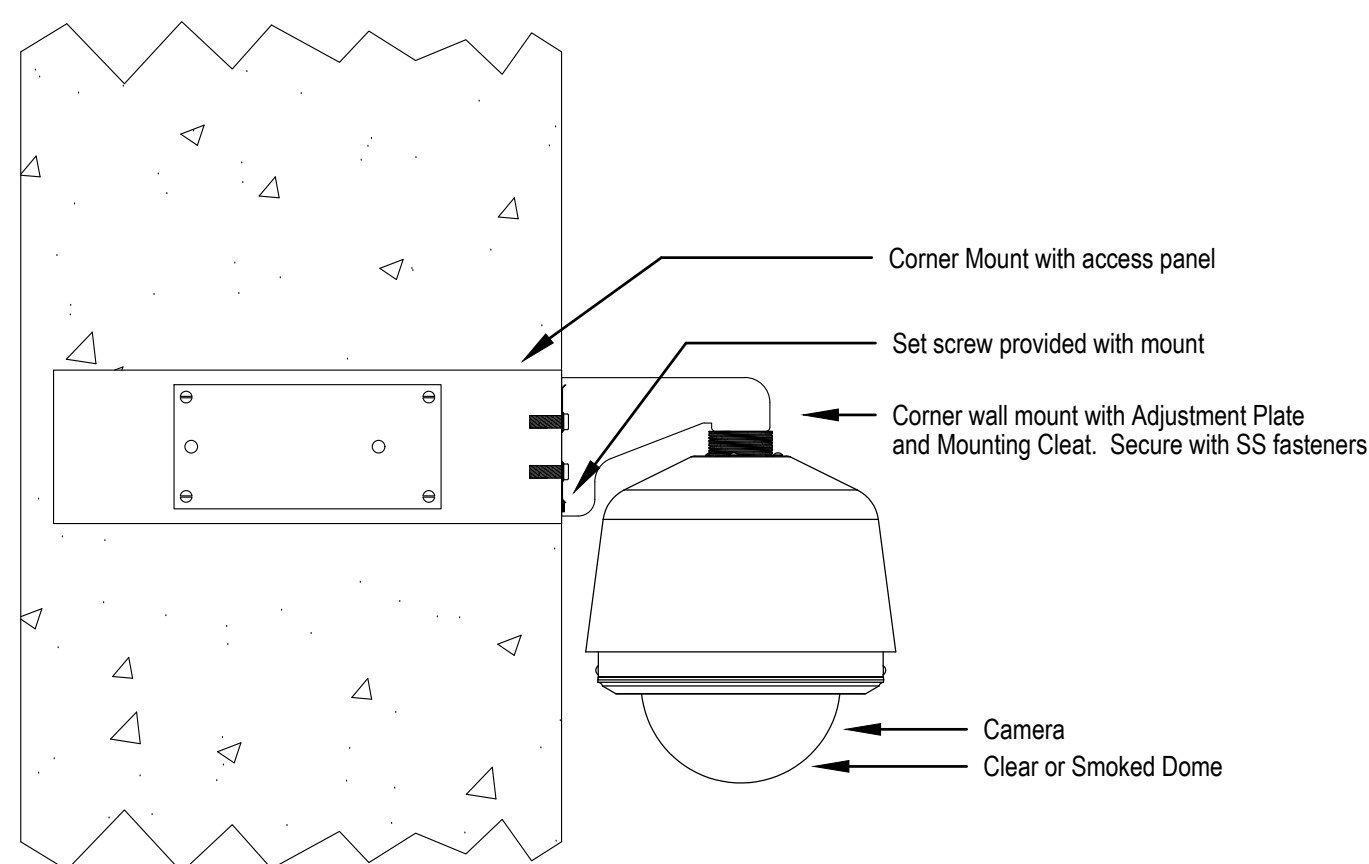
DIRECT TERMINATION NOTE

DIRECT TERMINATE A CAT 6 CABLE AT EACH SECURITY CAMERA WITH A MALE 8P8C MODULAR PLUG, PROVIDED BY THE TELECOM STRUCTURED CABLING CONTRACTOR. CABLE JACKET MUST BE EXTENDED INTO THE CONNECTOR FOR STRAIN RELIEF.



PENDANT CAMERA MOUNTING DETAIL

NOT TO SCALE



CORNER MOUNTED CAMERA DETAIL
NOT TO SCALE

IP CAMERA GENERAL NOTES

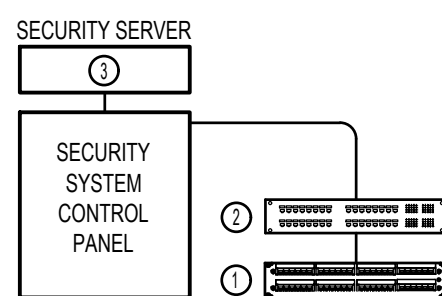
- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS.
- B. THE IP CAMERA SYSTEM AND THE ACCESS CONTROL SYSTEM INTEGRATION AND CONSTRUCTION SHALL BE PERFORMED BY THE SAME CONTRACTOR
- C. THE CONTRACTOR SHALL MEET WITH THE OWNER AND ARCHITECT TO COORDINATE CAMERA LOCATIONS PRIOR TO ROUGH-IN. ATTENTION SHALL BE GIVEN TO VIEWS RELATIVE TO OBSTRUCTIONS (TREES, GUTTER DOWNSPOUTS, COVERED WALKWAYS, LIGHT FIXTURES, ETC.).
- D. THE CONTRACTOR SHALL TEST OPERATION OF EACH CAMERA AND SET THE FINAL CAMERA RESOLUTIONS, VIEWING ANGLES, FIELDS OF VIEW, LENS SETTINGS AND ANY OTHER PERTINENT CAMERA SETTING.
- E. RECORDING OF CAMERA IMAGES TO THE NETWORK VIDEO RECORDER SHALL BE MADE AT THE HIGHEST CAMERA RESOLUTION SETTINGS IN COLOR THAT AMBIENT LIGHT LEVELS ALLOW AND IN BLACK & WHITE DURING LOW LIGHT LEVELS. FRAMES PER SECOND SHALL BE AS DIRECTED BY OWNER, BUT NO LESS THAN 12 FPS.
- F. FINAL SYSTEM LABELING / NUMBERING FOR MARKING EQUIPMENT / CABLING AND PROGRAMMING SHALL BE COORDINATED WITH OWNER AND ARCHITECT.
- G. A DATA CONNECTION SHALL BE PROVIDED TO THE IP SECURITY SERVER, EACH CAMERA, FLAT PANEL MONITORS, AND ANY CONTROL PANEL.

IP CAMERA SYSTEM LEGEND

SYSTEM SYMBOLS	
	180 DEGREE, TWO-CAMERA MULTIIMAGE, DOWNLOOK VIEW CAMERA, EQUAL TO IPRO WV-S8573L 25 MP, COLOR WHITE. WALL MOUNT USING IPRO WV-QWL501-W WALL MOUNTING BRACKET. INSTALL AT 12-0" AFF.
	OUTDOOR 270 DEGREE, THREE-CAMERA MULTIIMAGE, DOWNLOOK VIEW CAMERA, EQUAL TO IPRO WV-S8574L 33 MP, COLOR WHITE. CORNER MOUNT USING IPRO WV-QS8503-W SHROUD, IPRO WV-QWL501-W WALL MOUNT AND IPRO WV-QSN500-W CORNER MOUNT ADAPTER, COLOR WHITE. INSTALL AT 12-0" AFF.
	360 DEGREE, FOUR-CAMERA MULTIIMAGE, DOWNLOOK VIEW CAMERA, EQUAL TO IPRO WV-S4176A 12 MP, COLOR WHITE. CEILING MOUNT FOR 360 DEGREE VIEW. SUPPORT TO CEILING USING WV-QCL101-W BRACKET. INSTALL AT 12-0" AFF.

SECURITY SYSTEM RISER NOTES:

- ① POE PATCH PANEL BY STRUCTURED CABLING CONTRACTOR.
- ② POE SWITCH PROVIDED BY OWNER INSTALLED BY STRUCTURED CABLING CONTRACTOR.
- ③ THE IP SECURITY CAMERA SYSTEM INTEGRATOR SHALL PROVIDE A NETWORK SERVER VIDEO RECORDER WITH 4-HDD V LOGO RACK MOUNTED IN THE MAIN COMM ROOM WITH RAID 5 OR 6 STORAGE. HARD DRIVES SHALL BE VIDEO SURVEILLANCE GRADE (PURPLE). THE SERVER SHALL HAVE SUFFICIENT UNUSED HARD DRIVE SLOTS TO ALLOW AT LEAST 10% EXPANSION OF STORAGE IN THE FUTURE. AFTER THE HARD DRIVES FOR THIS PROJECT ARE INSTALLED, SUFFICIENT STORAGE SHALL BE PROVIDED UNDER THIS PROJECT TO ARCHIVE 30 DAYS OF VIDEO WITH ALL CAMERAS RECORDING AT FULL RESOLUTION IN COLOR AND AT A MINIMUM OF 12 FRAMES PER SECOND. THE INTEGRATOR SHALL UTILIZE H.265 SMARTCODE WHERE FACTORY INTEGRATED INTO THE SPECIFIED CAMERAS OR H.264 SMARTCODE WHERE H.265 IS NOT FACTORY INTEGRATED. SETUP TO OPTIMIZE STORAGE WITHOUT SACRIFICING VIDEO QUALITY.



IP SECURITY SYSTEM RISER DIAGRAM

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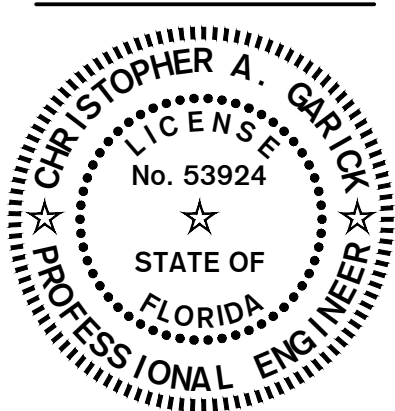
IP SECURITY CCTV DETAILS

T3.03

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