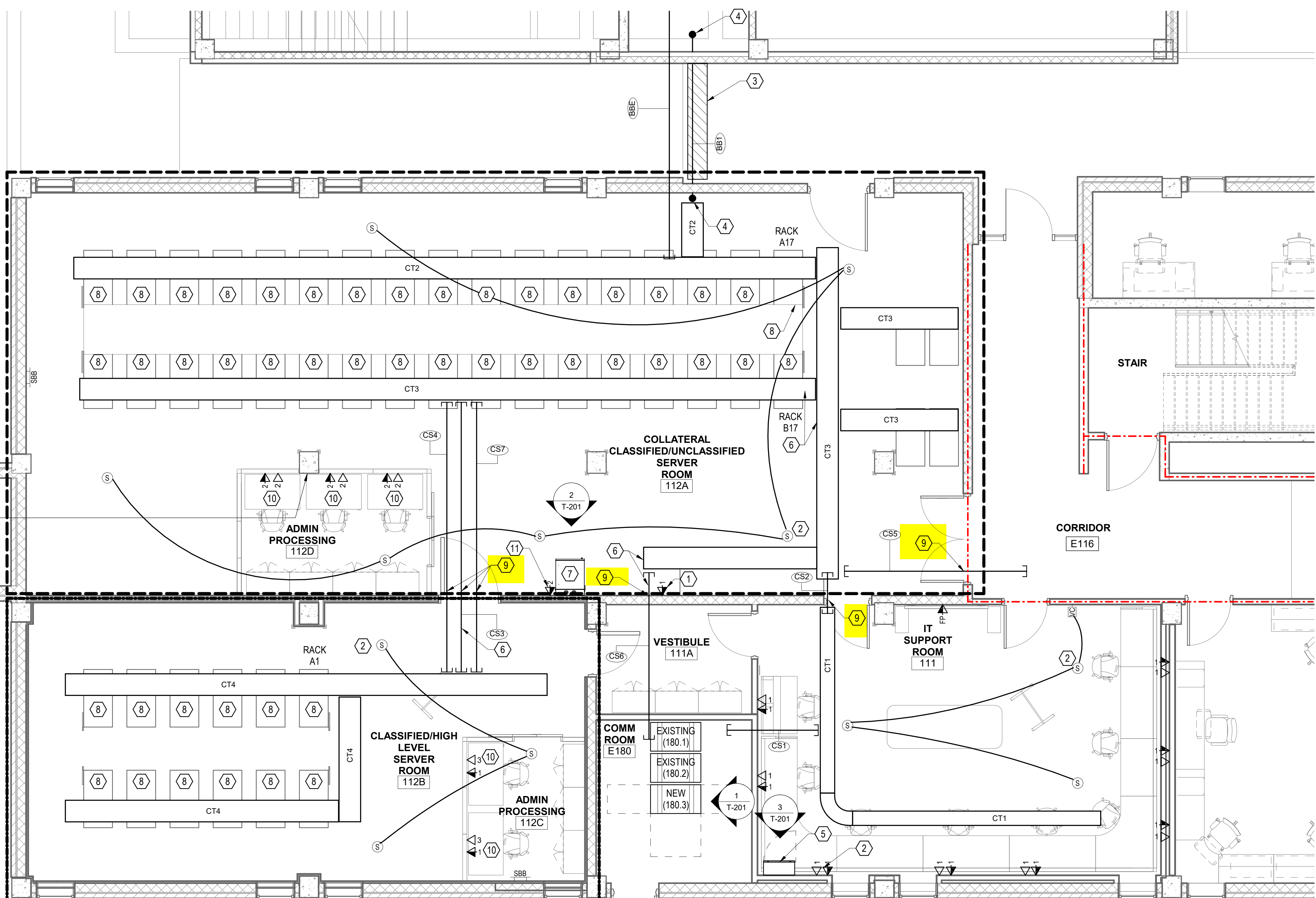


GRAPHIC LEGEND

ROOM NAME	ROOM NAME / NUMBER DESIGNATION
101	
---	SECURE AREA LIMITS "A"
---	SECURE AREA LIMITS "B"
#	KEYNOTE
---	1 HR FIRE RATED WALL

TELECOM ENLARGED FIRST FLOOR PLAN KEY NOTES:

- OUTLET FOR FUTURE PAGING SYSTEM LOCATED AT 6'-0" ABOVE FINISHED FLOOR.
- CONNECT SPEAKERS TOGETHER IN ROOM WITH SHIELDED PA SPEAKER WIRE. DO NOT CONNECT TO SPEAKERS OUTSIDE OF ROOM. COIL 20' OF SPEAKER WIRE AT END SPEAKER FOR FUTURE GOVERNMENT USE.
- CUT EXISTING CONCRETE BETWEEN BUILDING 13 AND 13A TO ALLOW INSTALLATION OF FOUR NEW 4" PVC CONDUITS. CONDUIT SHALL BE 48" BELOW GRADE TO TOP OF CONDUIT. ALL CONNECTIONS MUST BE PERMANENTLY SEALED COMPLETELY AROUND ALL MATING SURFACES WITH PVC GLUE. CONDUITS SHALL BE IN A 1X4 PATTERN AS CLOSE AS POSSIBLE TO THE INTERIOR WALL. ALL OF THE CONDUITS SHALL HAVE THREE 3" 3-CELL FABRIC INNERDUCTS INSTALLED. REFER TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS. PATCH CONCRETE TO MATCH EXISTING.
- NEW (4) 4" CONDUITS SHALL PENETRATE THROUGH EXISTING STRUCTURE AND STUB UP INTO SPACE A MINIMUM OF 3" AFF. PROVIDE BUSHINGS ON CONDUIT ENDS.
- NEW WALL MOUNTED CABINET FOR GREEN AND GREY NETWORK EQUIPMENT. ONLY GREEN AND GREY NETWORK DEVICES IN IT SUPPORT ROOM 111 WILL UTILIZE THIS CABINET. REFER TO RACK ELEVATIONS ON T-201.
- WHITE NETWORK CABLING WILL UTILIZE CS3, CT3, AND CS1 PATHWAY FOR DEVICES IN ADMIN PROCESSING ROOM 112C SERVED FROM THE NEW WHITE NETWORK RACK IN COMM ROOM 180.
- WALL MOUNT EQUIPMENT CABINET FOR SECURE RED PATCH PANELS. MOUNT CABINET 5'-0" AFF TO BOTTOM OF CABINET. AN ADDITIONAL SMALL RACK SHELF SHALL BE PROVIDED FOR TACLANE. COORDINATE FINAL LOCATION WITH CONTRACTOR PRIOR TO INSTALL.
- BASIS OF DESIGN: APC NETSHELTER SX AR3307; 48U HIGH x 48" DEEP, BLACK 24" W x 48" L x 89" H (48U) NETWORK CABINET FURNISHED AND INSTALLED BY THE CONTRACTOR. CABINET SHALL BE INSTALLED AS PART OF HOT AILSE CONTAINMENT SYSTEM AND COORDINATED WITH ALL TRADES.
- REFER TO DIELECTRIC DETAIL ON SHEET T-503 FOR SECURE PENETRATION REQUIREMENTS.
- COMMUNICATIONS OUTLETS TO BE MOUNTED IN DEMOUNTABLE PARTITIONS.
- COMMUNICATIONS OUTLET FOR TACLANE. COORDINATE FINAL TACLANE LOCATION PRIOR TO INSTALL.



POWER CLOSET
ROUTE CONDUITS UP STRUCTURAL COLUMN TO STRUCTURE ABOVE. ROUTE CABLING TO CABLE TRAY "CT3" VIA J-HOOKS. REFER TO "RM. 112D DATA CABLING ROUTING DETAIL" ON SHEET T-502 FOR ADDITIONAL REQUIREMENTS.

PULL BOX SIZING CRITERIA

CONDUIT SIZE	WIDTH (IN)	LENGTH (IN)	DEPTH (IN)	WIDTH INCREASE FOR ADD'L CONDUIT
1	4	16	3	2
1-1/4	6	20	3	3
1-1/2	8	27	4	4
2	8	36	4	5
2-1/2	10	42	5	6
3	12	48	5	6
3-1/2	12	54	6	6
4	15	60	8	8

CABLE TRAY SCHEDULE

TRAY ID	SIZE	DESCRIPTION
CT1	12"x4"o	ABOVE CEILING CABLE TRAY MOUNTED A MINIMUM OF 3" ABOVE ACT TO THE BOTTOM OF TRAY FOR UNCLASSIFIED WHITE AND UNCLASSIFIED USER NETWORK ROUTING.
CT2	18"x4"o	CABLE TRAY MOUNTED AT 9'-0" AFF TO THE BOTTOM OF TRAY FOR UNCLASSIFIED USER NETWORK ROUTING
CT3	18"x4"o	CABLE TRAY MOUNTED AT 9'-0" AFF TO THE BOTTOM OF TRAY FOR SECURE NETWORK ROUTING
CT4	18"x4"o	CABLE TRAY MOUNTED AT 8'-10" AFF TO THE BOTTOM OF TRAY FOR SECURE NETWORK ROUTING.

CONDUIT SLEEVE SCHEDULE

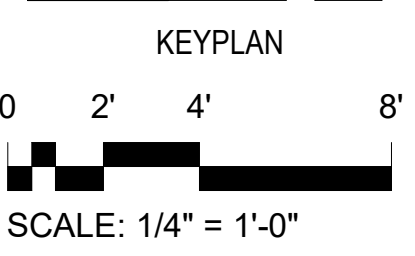
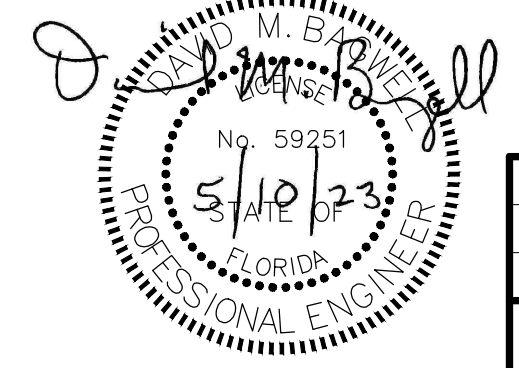
CONDUIT SLEEVE ID	CONDUIT SIZE	QUANTITY	CLASSIFICATION	DESCRIPTION
CS1	4"	1	UNCLASS	ONE 4" CONDUIT SLEEVES MOUNTED AT 11'-0" AFF FOR UNCLASSIFIED WHITE NETWORK ROUTING.
CS2	2"	4	UNCLASS	FOUR 2" CONDUIT SLEEVES MOUNTED AT 9'-4" AFF FOR UNCLASSIFIED USER NETWORK ROUTING.
CS3	2"	2	UNCLASS	TWO 2" CONDUIT SLEEVES MOUNTED AT 11'-0" AFF FOR WHITE NETWORK ROUTING. PROVIDE WATER FALL KIT TO THE END OF THE CONDUITS. REFER TO "MULTIPLE CONDUIT WATER FALL DETAIL" ON SHEET T-502 FOR REQUIREMENTS.
CS4	2"	2	SECURE	TWO 2" CONDUIT SLEEVES MOUNTED AT 11'-0" AFF FOR USER NETWORK ROUTING. PROVIDE WATER FALL KIT TO THE END OF THE CONDUITS. REFER TO "MULTIPLE CONDUIT WATER FALL DETAIL" ON SHEET T-502 FOR REQUIREMENTS.
CS5	4"	4	UNCLASS	FOUR 4" CONDUIT SLEEVES FOUR FUTURE USE.
CS6	4"	1	UNCLASS	ONE 4" CONDUIT SLEEVES MOUNTED AT 9'-4" AFF FOR UNCLASSIFIED WHITE NETWORK ROUTING.
CS7	4"	4	UNCLASS	FOUR 4" CONDUIT SLEEVES MOUNTED AT 11'-0" AFF. PROVIDE WATER FALL KIT TO THE END OF THE CONDUITS. REFER TO "MULTIPLE CONDUIT WATER FALL DETAIL" ON SHEET T-502 FOR REQUIREMENTS.

ROOM 111 AND 111A DEVICE MOUNTING NOTE:
DEVICE JUNCTION BOXES AND ASSOCIATED CONDUIT SHALL BE RECESSED IN STUD WALLS AND SURFACE MOUNTED ON CMU WALLS.

SITE CONDUIT SCHEDULE

CONDUIT ID	CONDUIT SIZE	QUANTITY	DESCRIPTION
BB1	4"	4	FOUR NEW 4" BACKBONE CONDUITS EACH WITH THREE 3-CELL 3" INNERDUCTS FROM CLEAN ROOM 180A IN EXISTING BUILDING 13A TO COLLATERAL UNCLASSIFIED/CLASSIFIED SERVER ROOM 112A IN EXISTING BUILDING 13. CONDUIT SHALL BE BURIED AND CONCRETE ENCASED (12" ALL SIDES) BETWEEN BUILDINGS AND STUBBED UP 3" A.F.F. INTO EACH ROOM. PROVIDE BUSHINGS ON CONDUIT ENDS. REFER TO STRUCTURAL DETAIL IN STRUCTURAL SHEETS FOR CONDUIT BURIAL DEPTHS AND CONFIGURATION.
BBE	VARIES	MULTIPLE	EXISTING CONDUITS FROM CLEAN ROOM 180A IN EXISTING BUILDING 13A TO COLLATERAL UNCLASSIFIED/CLASSIFIED SERVER ROOM 112A. CONDUITS SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION

PLAN TRUE NORTH
1 T-111
1/4" = 1'-0"



SCALE: 1/4" = 1'-0"

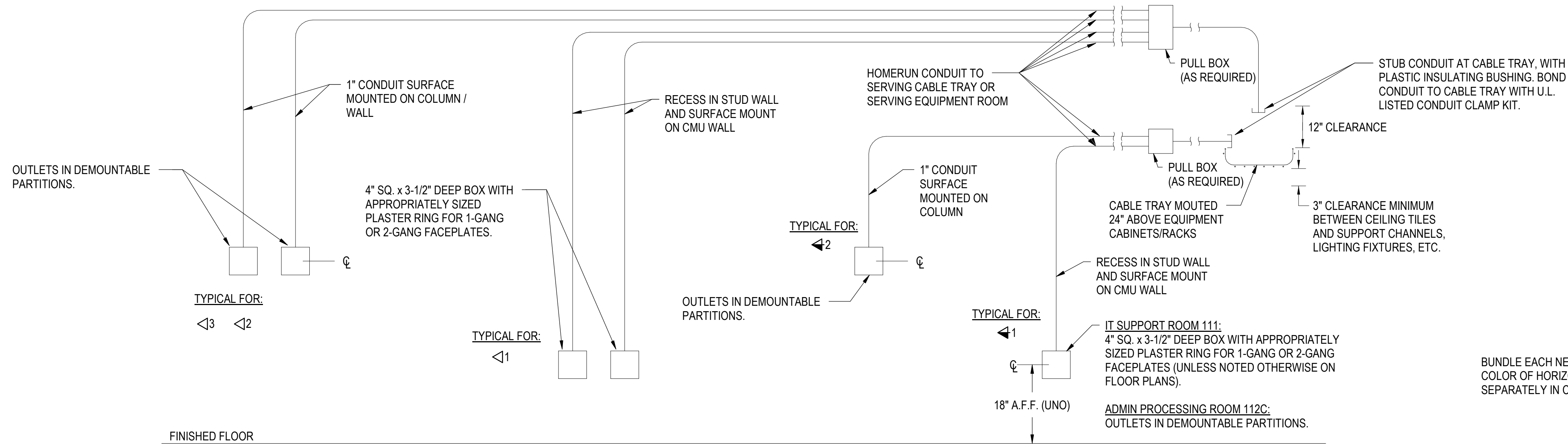
REVISION	DATE	DESCRIPTION	BY	APPROD

**BASE CIVIL ENGINEER
EGLIN AIR FORCE BASE, FLORIDA**

**BUILDING 13 RENOVATE ROOMS
111 & 112 (NEBULA)**

DATE: 10 MAY 2023
SCALE: AS SHOWN

INDEX NO. T-111
SPEC. NO. 21AX
PROJ. NO. FTFA21BS06
DRAWING NO. FILE NO. SHEET 74 OF 84

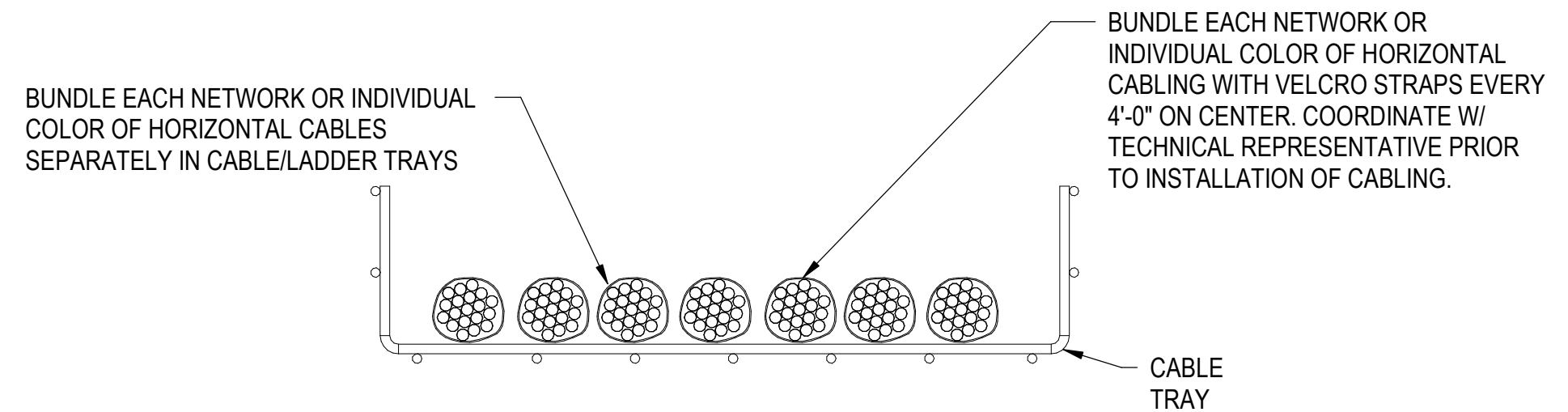


SHEET NOTE: CONDUIT SECTIONS SHALL NOT CONTAIN MORE THAN TWO 90-DEGREE BENDS OR EQUIVALENT BETWEEN PULL POINTS.

NOTES:

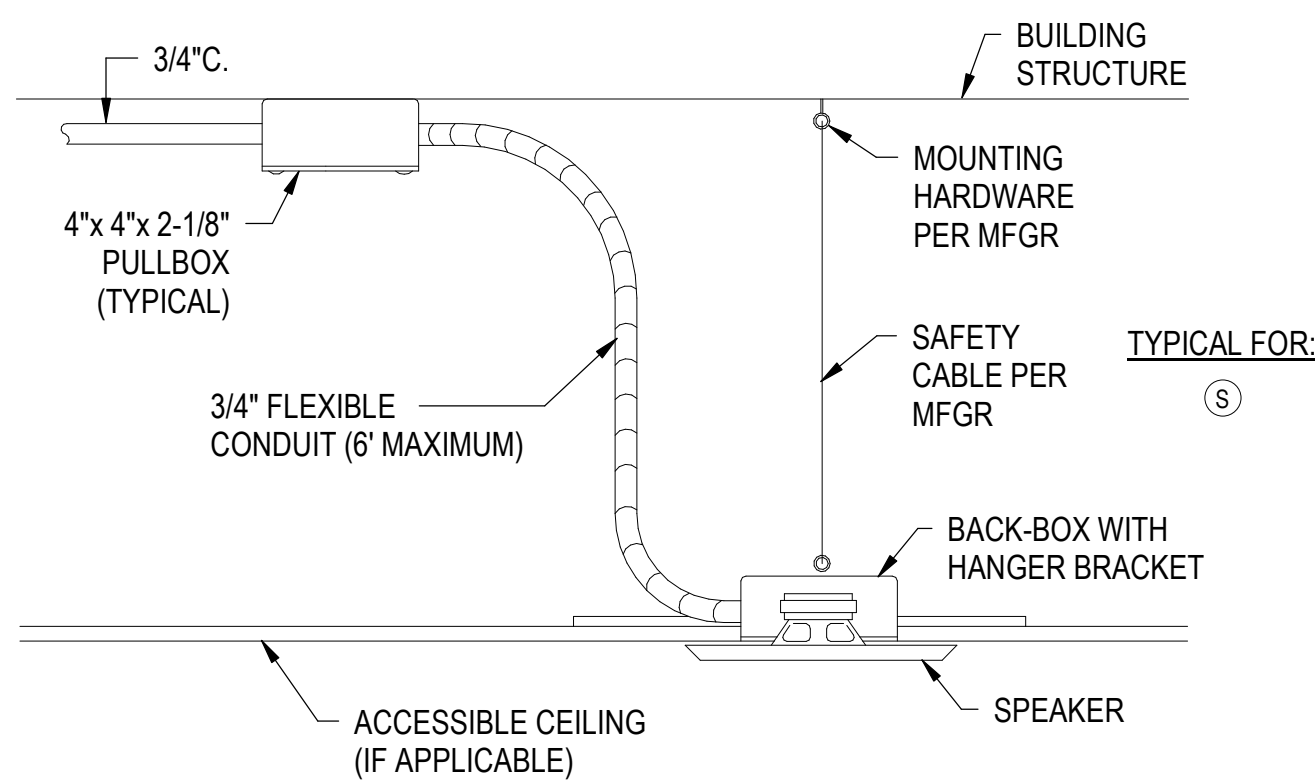
- TELECOM OUTLET MOUNTING HEIGHT MAY VARY AT LOCATIONS OF FIXED CABINETS OR CASEWORK. LOCATE AND MOUNT OUTLETS AS DIRECTED BY THE TECHNICAL REPRESENTATIVE.
- DO NOT INSTALL MORE THAN FOUR 4-PAIR CABLES IN A 1" CONDUIT.

1 TELECOM OUTLET MOUNTING DETAIL
T-503 NOT TO SCALE

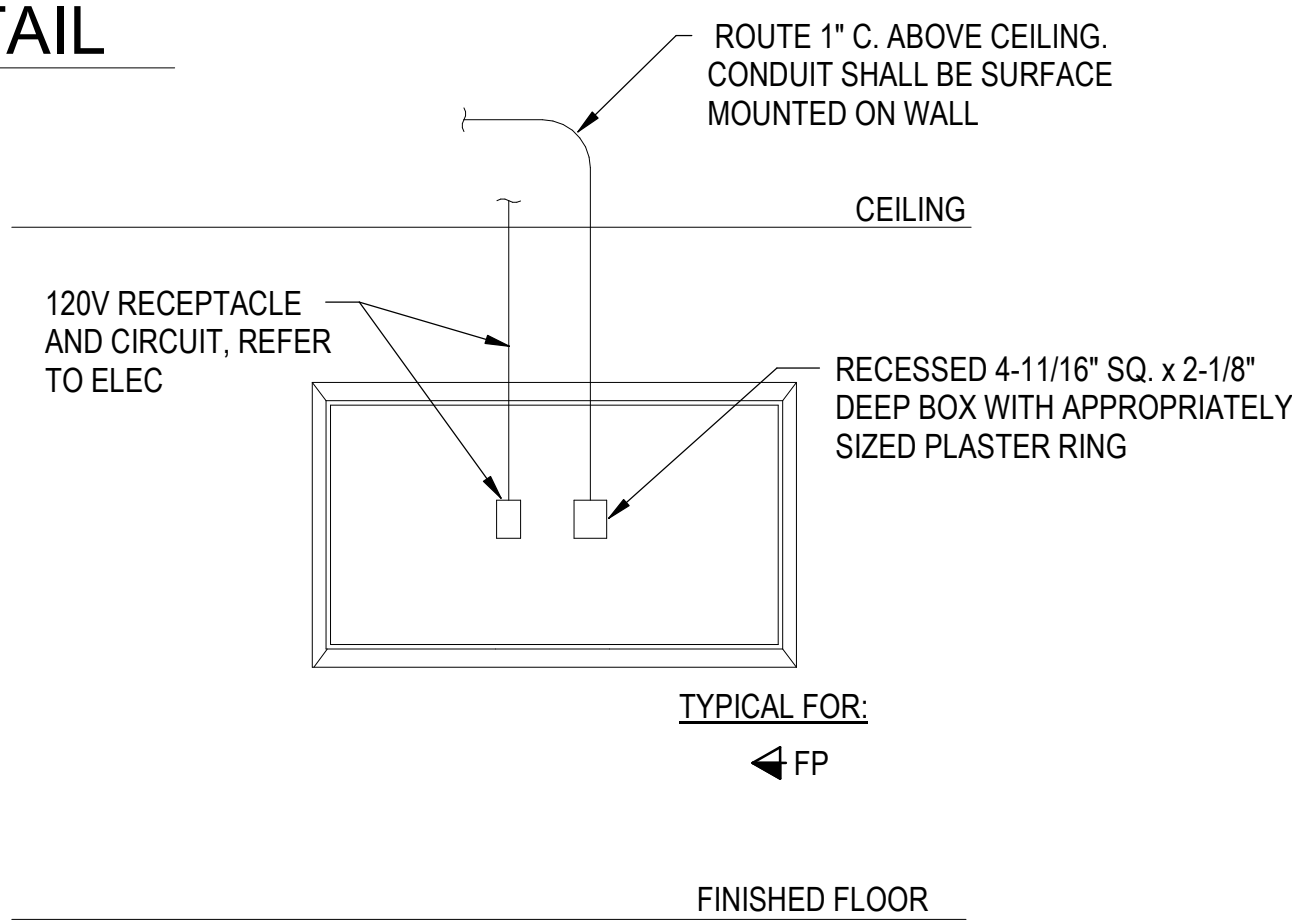


PROVIDE ALL OUTLET LABELING PER 96 CS LABELING SPECIFICATION.

2 TELECOM CABLE GROUP BUNDLE DETAIL
T-503 NOT TO SCALE

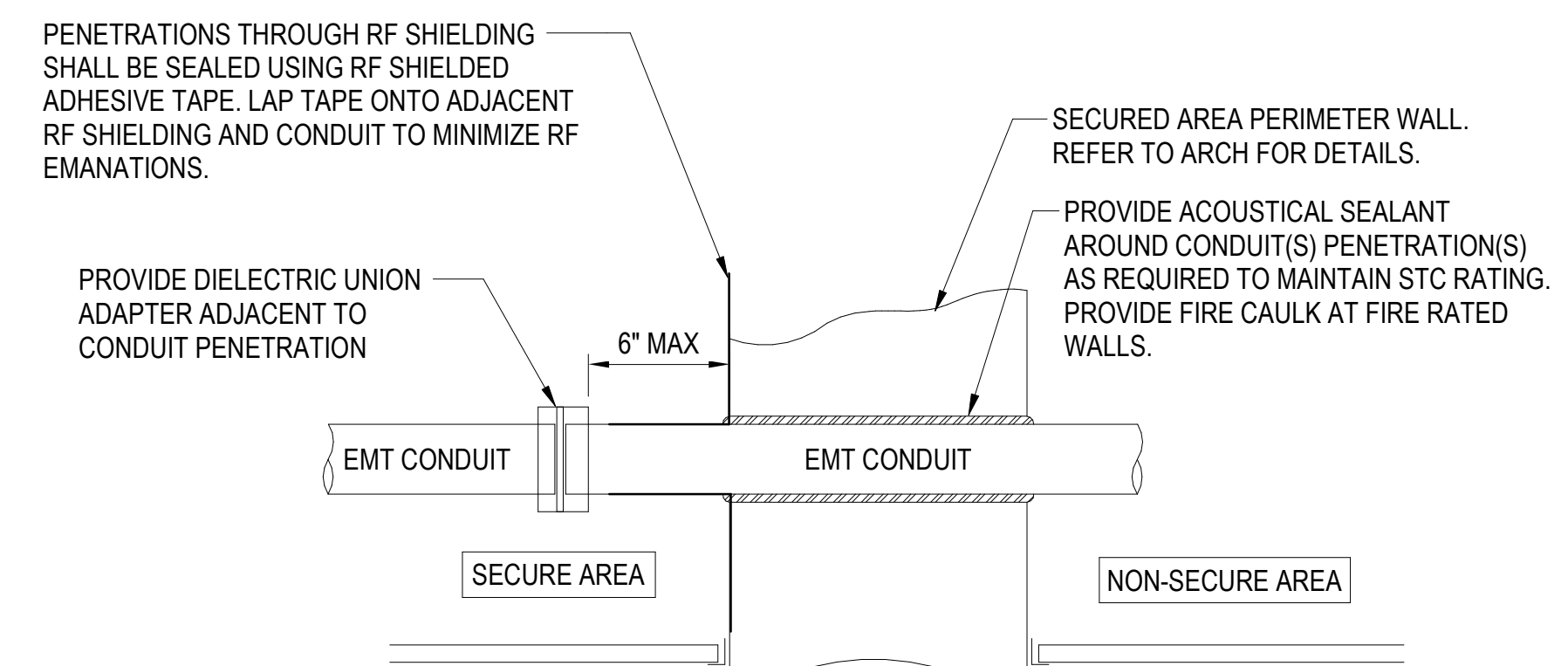


3 CEILING MOUNT PAGING SPEAKER DETAIL
T-503 NOT TO SCALE



- NOTES:
- AUDIO-VISUAL OUTLET MOUNTING HEIGHT MAY VARY AT LOCATIONS OF FIXED CABINETS OR CASEWORK. LOCATE AND MOUNT OUTLET AS DIRECTED BY THE TECHNICAL REPRESENTATIVE.

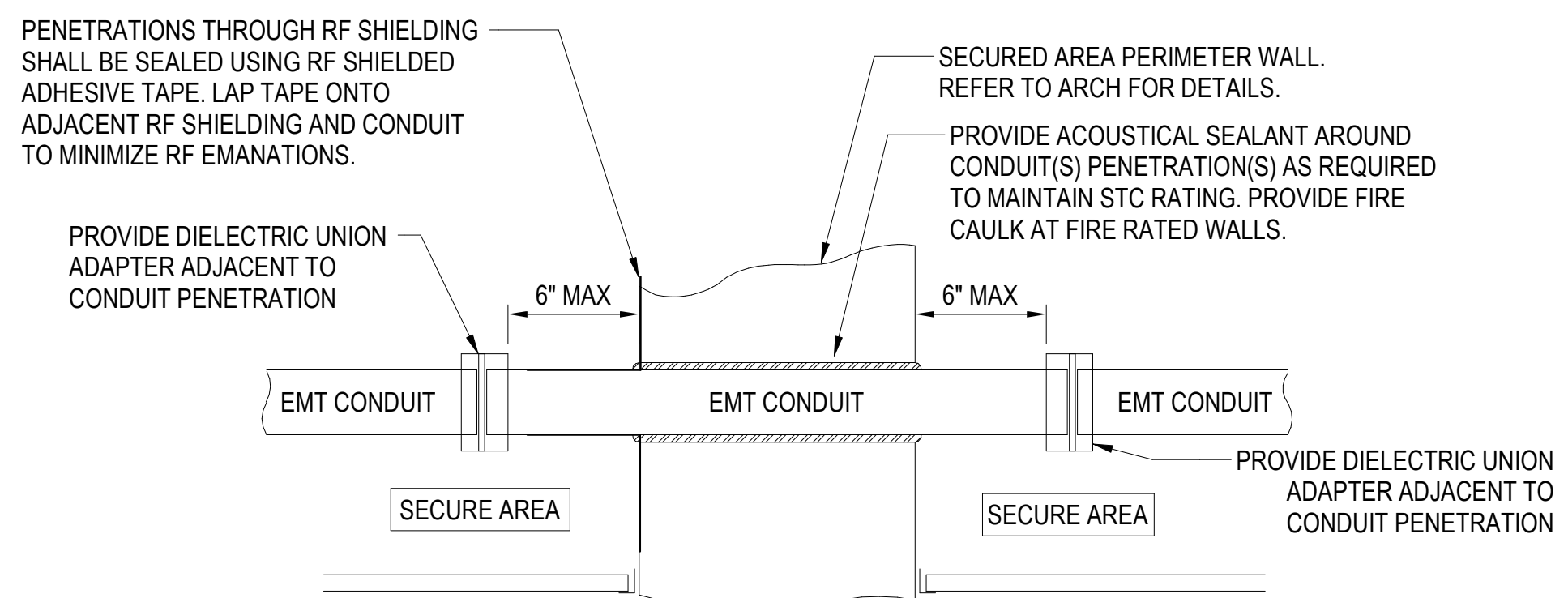
4 FLAT PANEL BACKBOX DETAIL
T-503 NOT TO SCALE



NOTE: PROVIDE ISOLATION FOR ALL ABOVE GROUND METALLIC CONDUITS ENTERING/LEAVING SECURE AREA "B" PERIMETER. PROVIDE A DIELECTRIC UNION INSIDE THE SECURED AREA PERIMETER ADJACENT TO THE PENETRATION

REFER TO ARCHITECTURAL FOR SECURE AREA BOUNDARIES.

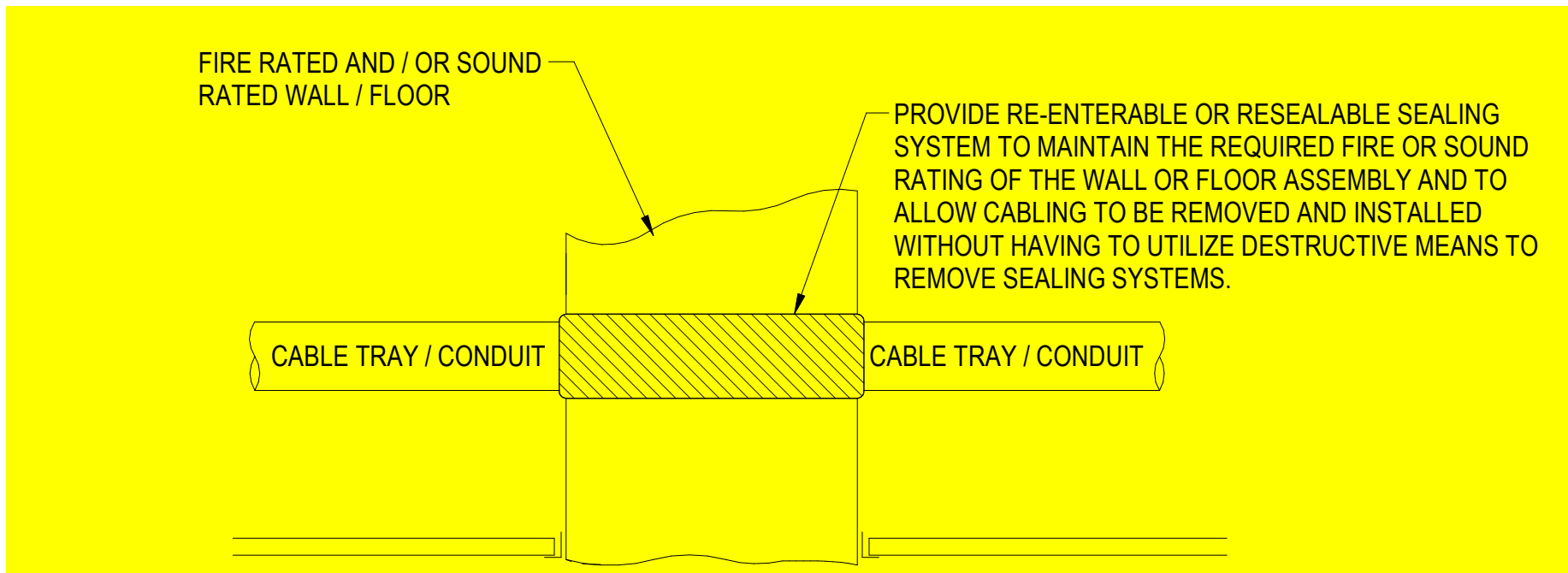
5 DIELECTRIC ISOLATION DETAIL - DIELECTRIC UNION ADAPTER (NON-SECURE TO SECURE)
T-503 NOT TO SCALE



NOTE: PROVIDE ISOLATION FOR ALL ABOVE GROUND METALLIC CONDUITS ENTERING/LEAVING SECURE AREA "B" PERIMETER. PROVIDE A DIELECTRIC UNION INSIDE THE SECURED AREA PERIMETER ADJACENT TO THE PENETRATION

REFER TO ARCHITECTURAL FOR SECURE AREA BOUNDARIES.

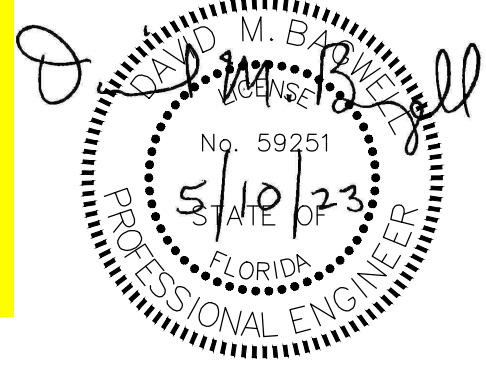
6 DIELECTRIC ISOLATION DETAIL - DIELECTRIC UNION ADAPTER (SECURE TO SECURE)
T-503 NOT TO SCALE



NOTE: SEALING DEVICES SHALL BE PRE-MANUFACTURED MODULAR DEVICES, CONTAINING BUILT-IN SELF-SEALING INTUMESCENT INSERTS. DEVICES SHALL ALLOW FOR CABLE MOVES, ADDITIONS OR CHANGES WITHOUT THE NEED TO REMOVE OR REPLACE ANY FIRESTOP AND ACOUSTIC MATERIALS.

REFER TO ARCHITECTURAL FOR FIRE RATED AND/OR SOUND RATED WALLS AND FLOORS.

7 PENETRATIONS AT FIRE / SOUND RATED WALLS / FLOORS DETAIL
T-503 NOT TO SCALE



INDEX NO. T-503

REVISION	DATE	DESCRIPTION	BY	APPRD
BASE CIVIL ENGINEER EGLIN AIR FORCE BASE, FLORIDA				
DATE		BUILDING 13 RENOVATE ROOMS 111 & 112 (NEBULA)		
SIGNATURE				
APPROVED				
CENM				
DRAWN BY		I. GUTHRIE		
PROJ. ENGR.		BEI		
CONTENTS		TELECOM DETAILS		
APPROVED		DATE 10 MAY 2023		
96CEGCEN				
APPROVED		SCALE AS SHOWN		
DEPUTY BASE CIVIL ENGINEER				
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET 78 OF 84
21AX	FTFA21BS06			