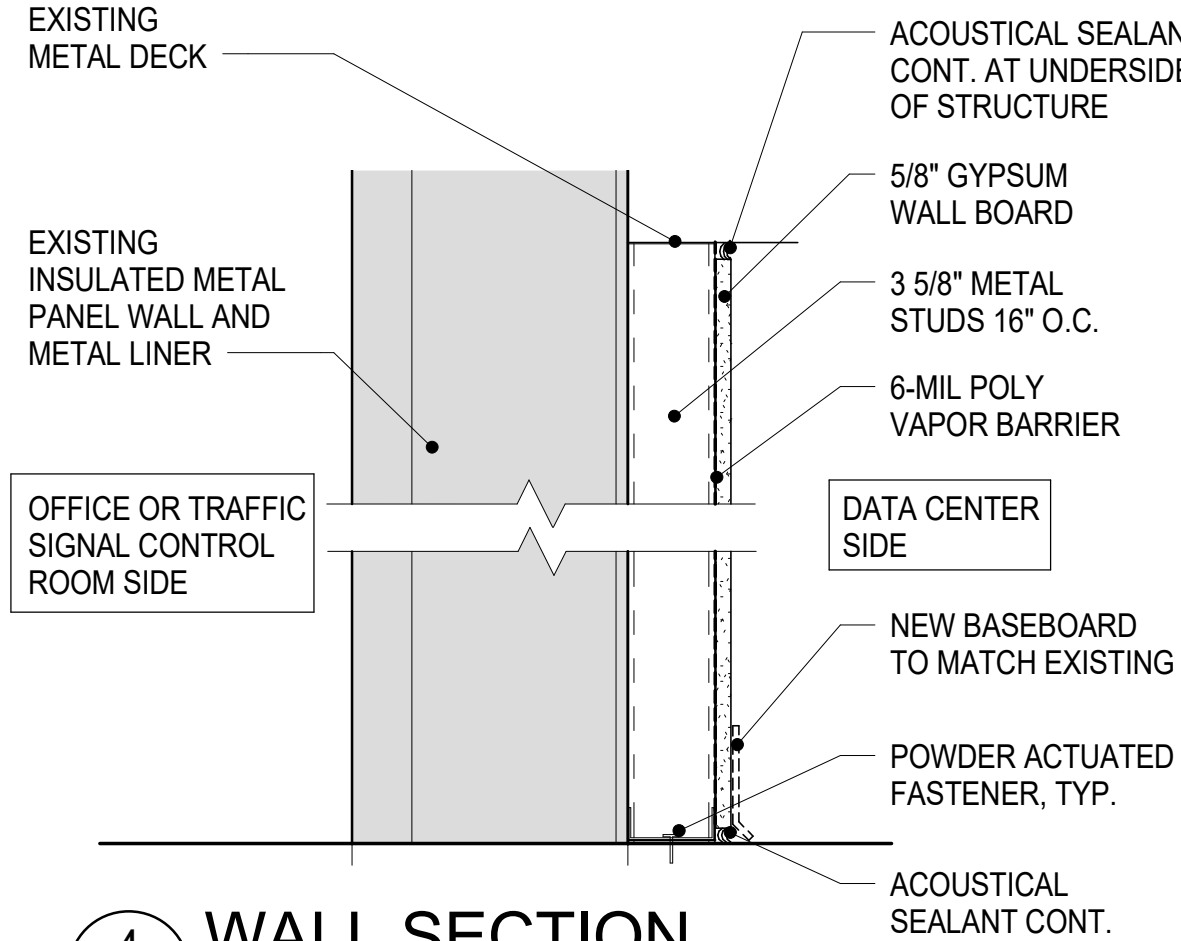
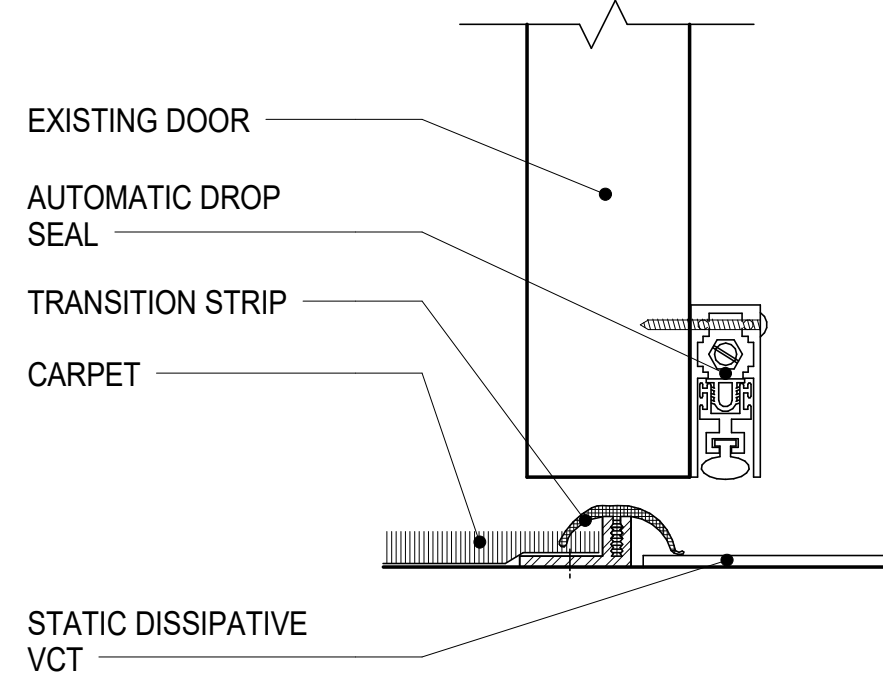


**3 WALL SECTION**  
A101 1 1/2" = 1'-0"



**4 WALL SECTION**  
A101 1 1/2" = 1'-0"



**5 DOOR THRESHOLD**  
A101 6" = 1'-0"

**GENERAL NOTES**

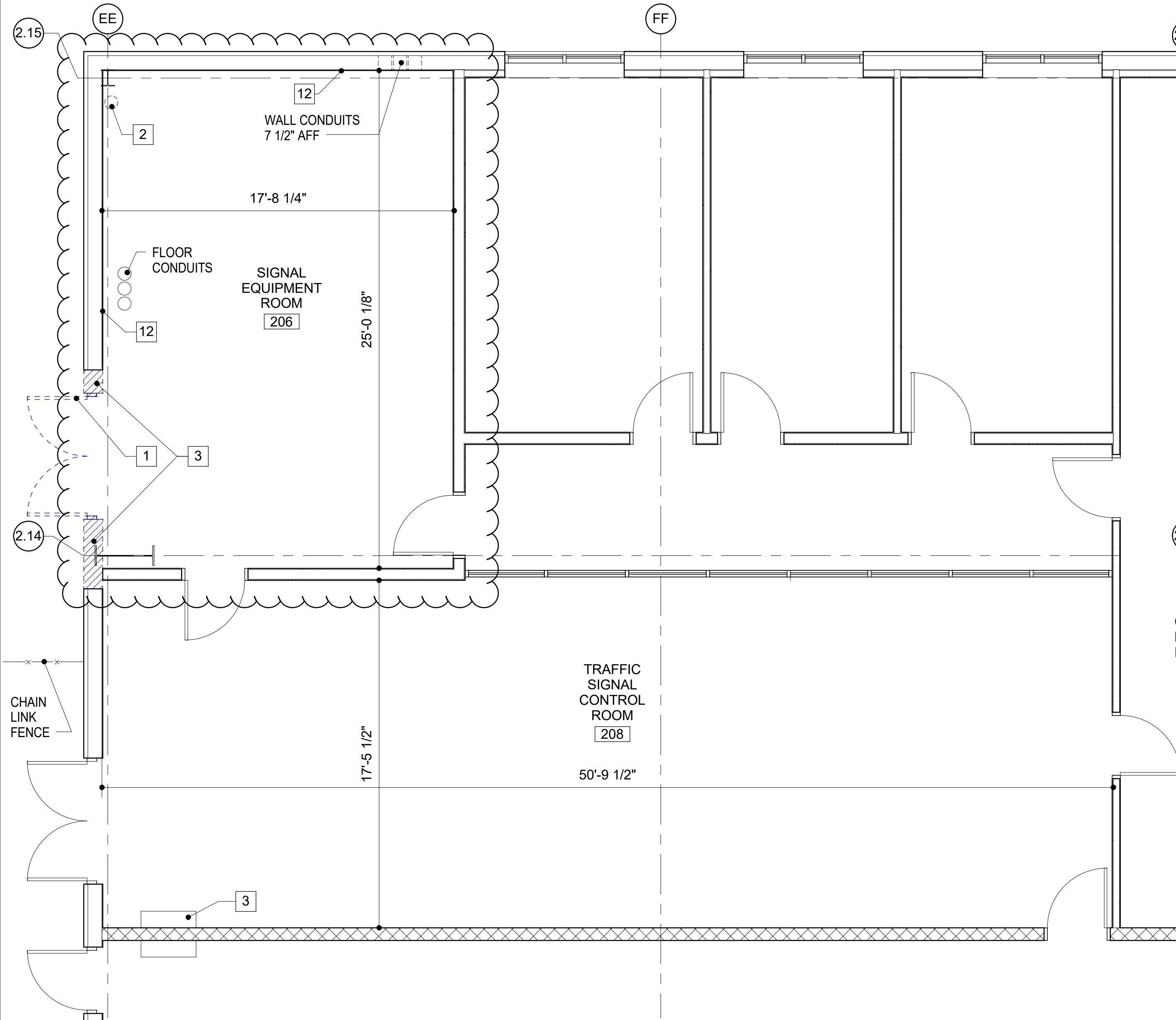
1. PROVIDE SEALS FOR DOOR FRAMES AND CLOSER FOR DOORS TO SIGNAL EQUIPMENT ROOM #206.
2. PROVIDE DOOR CONTACT AND ALARM FOR DOORS TO SIGNAL EQUIPMENT ROOM #206
3. PROVIDE ALL DOORS TO SIGNAL EQUIPMENT ROOM #206 WITH SECURITY HARDWARE AND CARD READER. CONTRACTOR TO COORDINATE SECURITY REQUIREMENTS WITH CITY'S SECURITY CONTRACTOR - COMMUNICATION SPECIALISTS INC.
4. PROVIDE AUTOMATIC DROP SEAL ON DOORS TO SIGNAL EQUIPMENT ROOM #206. SEE DETAIL 6/A101.
5. SEAL ALL FLOOR AND WALL CONDUITS WITH DUCT SEALANT.
6. REMOVE CONDUIT, WIRING, AND ACCESSORIES AS NEEDED TO COMPLETE WORK. REINSTALL WHEN WORK IS COMPLETED.

**KEYNOTES - DEMOLITION**

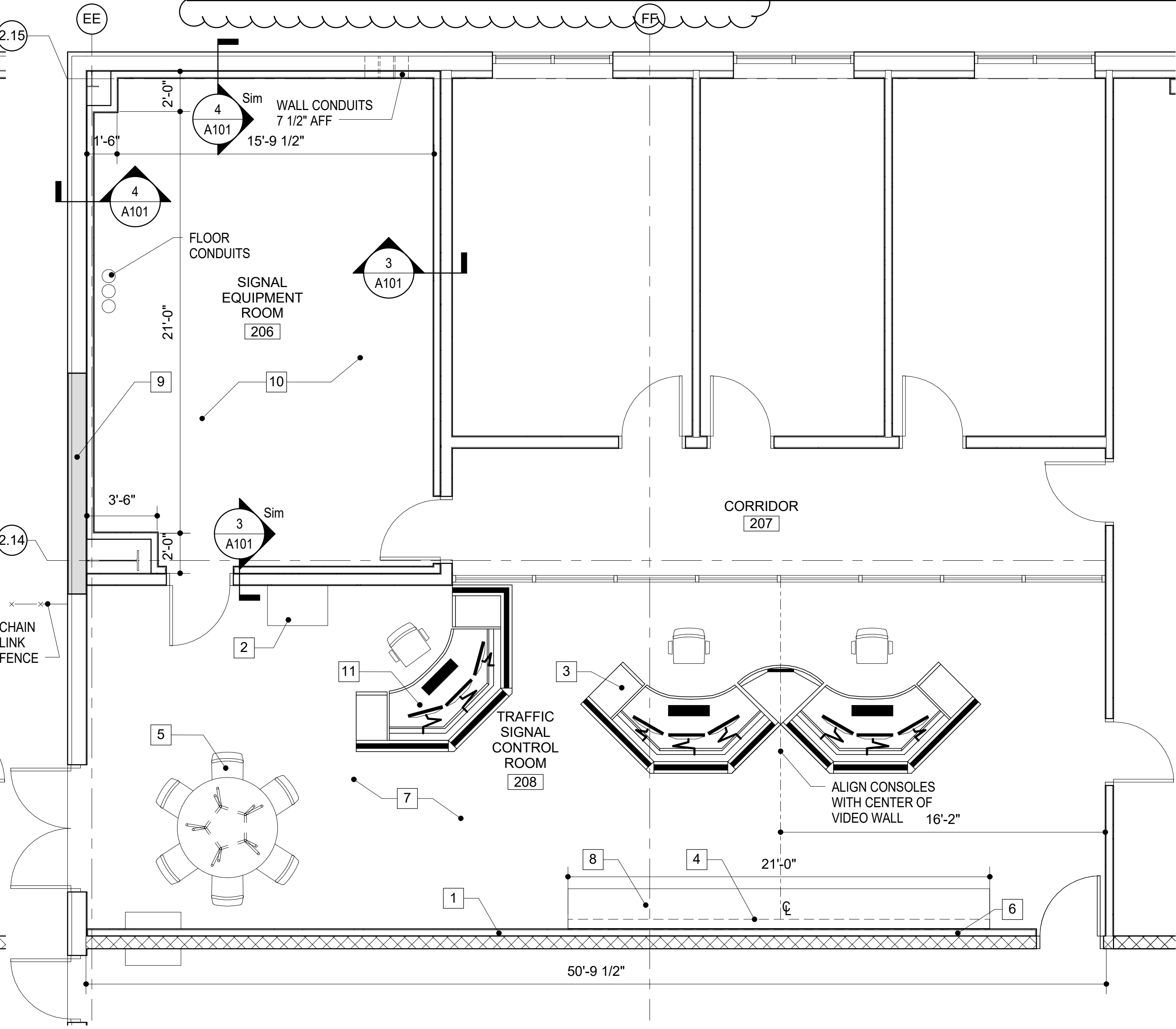
1. REMOVE HOLLOW METAL DOOR AND FRAME
2. REMOVE EXISTING WATER LINE AND TERMINATE LINE OUTSIDE OF SIGNAL EQUIPMENT ROOM #206
3. REMOVE EXISTING INSULATED WALL PANELS AROUND DOOR AND PREPARE FOR NEW INSULATED WALL PANELS

**KEYNOTES - NEW WORK**

1. 5/8" GYPSUM WALL BOARD OVER 3 5/8" METAL STUD FURRING 16" O.C. ON EXISTING CMU WALL. PAINT TO MATCH EXISTING WALLS.
2. RADIO DISPATCH STORAGE CABINET (BY OWNER)
3. DISPATCH CONSOLE - RUSS BASSETT FLEX (OR EQUAL)
4. VIDEO MONITOR WALL
5. CONFERENCE TABLE - (BY OWNER)
6. PROVIDE FIRE RETARDANT TREATED BLOCKING - COORDINATE WITH VIDEO WALL
7. CARPET TILE TO MATCH EXISTING OFFICES
8. STORAGE DRAWERS (BY OWNER)
9. MATCH EXISTING METAL BUILDING SYSTEM INSULATED WALL PANELS
10. STATIC DISSIPATIVE TILE WITH COPPER GROUNDING TAPE
11. SUPERVISOR CONSOLE - RUSS BASSETT FLEX (OR EQUAL)
12. METAL FABRICATOR TO FILL ALL VOIDS IN INSULATED WALL PANEL.



**1 FLOOR PLAN - DEMO**  
A101 1/4" = 1'-0"



**2 FLOOR PLAN - NEW**  
A101 1/4" = 1'-0"

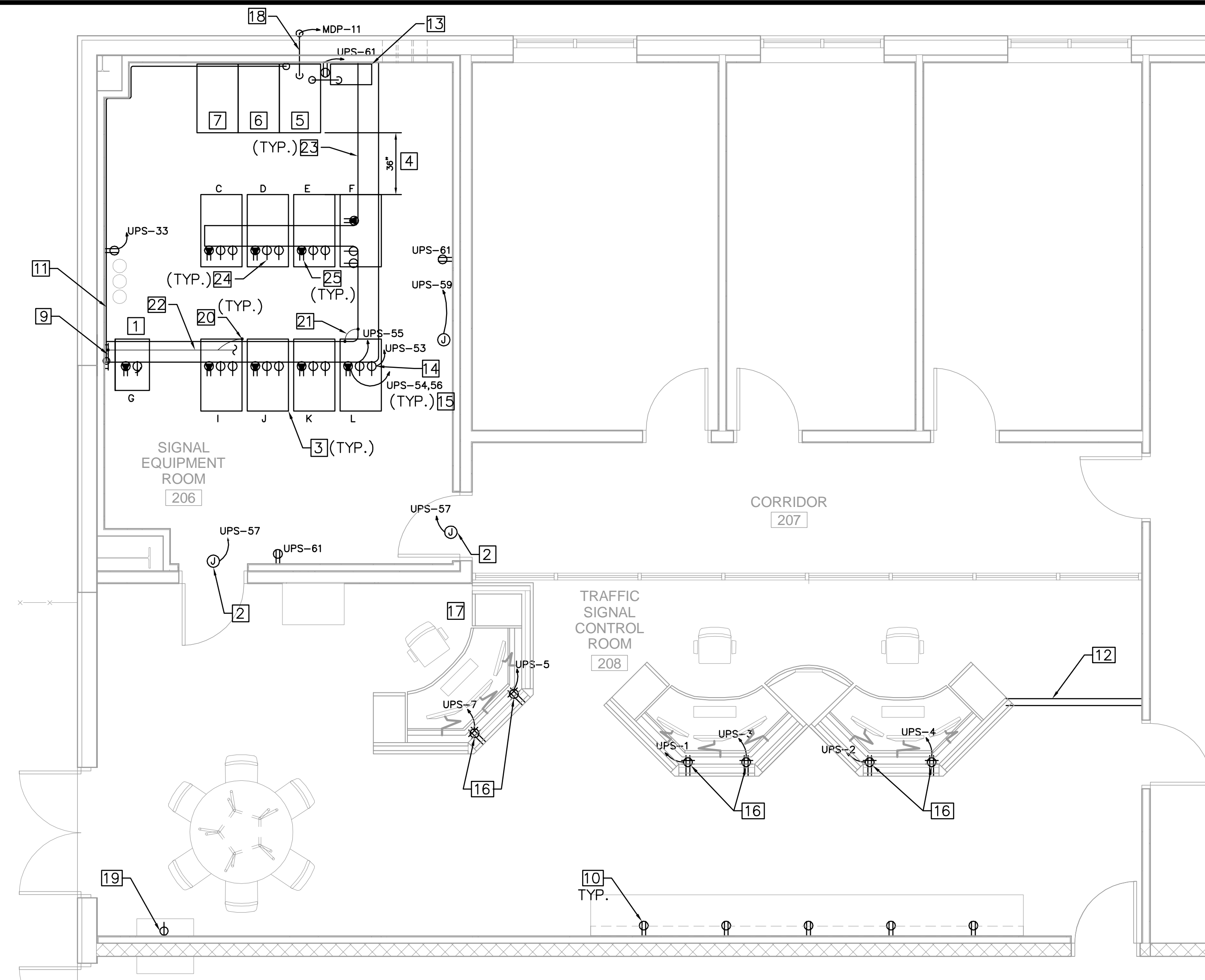
**HBA**  
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FAX: (757) 490-7081

SUFFOLK TOC UPGRADES  
**TRAFFIC OPERATIONS CENTER**  
SUFFOLK, VA  
**FLOOR PLANS**

ISSUED FOR: MARK: DATE:  
BIDDING AND CONSTRUCTION 11-17-16  
APPENDUM 2 02-14-17

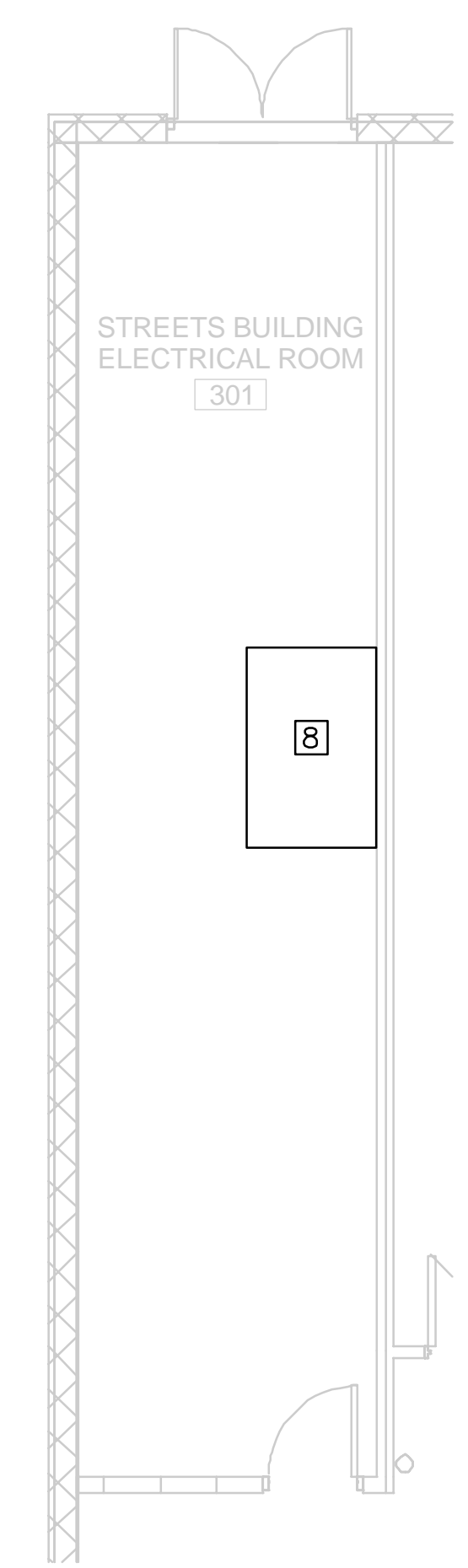
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16013.01  
**A101**



**1 TRAFFIC OPERATIONS CENTER**  
1/4" = 1'-0"

**2 MAIN ELECTRICAL ROOM**  
1/4" = 1'-0"



**SHEET NOTES**

1. EXISTING RADIO RELAY RACK ROTATED 90 DEGREES.
2. MOUNT JUNCTION BOX ON WALL ABOVE CEILING OVER DOOR FRAME. PULL ELECTRICAL CIRCUIT CONDUCTORS FROM UPS PANELBOARD TO JUNCTION BOX AND COIL FOR FINAL CONNECTION BY SECURITY CONTRACTOR CSI. SEE GENERAL NOTES FOR COORDINATION REQUIREMENTS WITH CSI.
3. DATA CENTER CABINET.
4. MAINTAIN NEC REQUIRED CLEARANCE OF 36" IN FRONT OF EQUIPMENT.
5. MAINTENANCE BYPASS CABINET.
6. 60KW UPS.
7. BATTERY CABINET.
8. PROVIDE 3 PHASE, 125A SQUARE D CIRCUIT BREAKER IN SPACE AVAILABLE IN EXISTING MDP. ROUTE CIRCUIT WIRING THROUGH AN EXISTING 4" CONDUIT THAT ROUTES UNDER MDP AND CONCRETE SLAB TO BUILDING EXTERIOR. SEE SHEET E101 FOR PATHWAY.
9. EXISTING TGB.
10. RECEPTACLES FOR VIDEO WALL MONITORS. SEE SHEET E506 FOR RECEPTACLE LOCATIONS.
11. #2 AWG BARE COPPER GROUNDING ELECTRODE CONDUCTOR FROM MAINTENANCE BYPASS CABINET TO GROUND TERMINAL FOR TGB.
12. TRENCH CONCRETE FLOOR 4" WIDE. PLACE (4) 1" EMT IN THE TRENCH. PULL (8) #10 AWG AND (1) #10 AWG GND IN ONE OF THE CONDUITS AND ROUTE CONDUCTORS THROUGH CONSOLE FURNITURE.
13. PANEL UPS-TW: SURFACE MOUNT, 208Y/120V, 225A, M.L.O. WITH 84 POLES.
14. SEE RACK ELEVATIONS ON SHEET E503 FOR CIRCUIT CONNECTION DETAIL.
15. SEE SHEET E501 FOR CIRCUITING INFORMATION FOR EACH DATA CABINET.
16. PROVIDE QUAD RECEPTACLE IN CONSOLE. CONSOLE HAS MOUNTING SPACE FOR RECEPTACLE AND BOX.
17. ROUTE SUPERVISOR CONSOLE CIRCUITS IN 1" EMT FROM PANEL UPS-TW ABOVE CEILING AND DOWN WALL. ENTER CONSOLE 6" ABOVE FINISHED FLOOR AND ROUTE TO QUAD RECEPTACLE.
18. CONDUIT PENETRATION SHALL BE 84" A.F.F.
19. MOUNT RECEPTACLE 60" A.F.F.
20. PROVIDE #2 AWG GROUND BUS CONDUCTOR TO EACH RACK AND RUN DOWN ONE POST OF EACH RACK. RACK MOUNTED

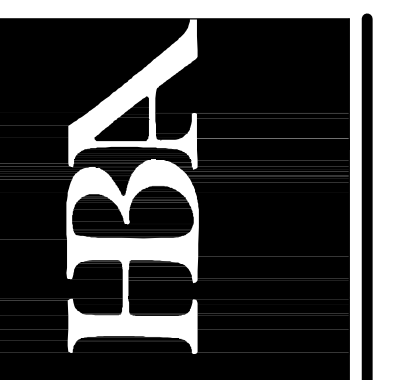
- EQUIPMENT SHALL BE GROUNDED TO GROUND BUS CONDUCTOR WITH #6 AWG CONDUCTOR.
21. BOND EACH SECTION OF CABLE TRAY WITH #6 AWG CONDUCTOR. SEE SPECIFICATION SECTION 270526 FOR MORE DETAIL.
22. PROVIDE #2 AWG GROUND BUS CONDUCTOR FROM TGB ALONG ENTIRE LENGTH OF CABLE TO TRAY. PROVIDE IRREVERSIBLE CRIMP CONNECTOR OR SPLIT BOLT TO JOIN GROUND BUS CONDUCTORS TOGETHER.
23. PROPOSED 12" POWER CABLE TRAYS ANCHORED TO WALLS AND SUPPORTED BY STANDOFFS BOLTED TO THE EQUIPMENT RACKS. NO CEILING ATTACHMENTS. MOUNT POWER CABLE TRAY 6" ABOVE CABINETS (APPROXIMATELY 78" A.F.F.).
24. MOUNT NEMA 5-20R SIMPLEX RECEPTACLE TO SIDE OF CABLE TRAY. PLUG PDU INTO RECEPTACLE.
25. MOUNT NEMA L6-30R SIMPLEX RECEPTACLE TO SIDE OF CABLE TRAY. PLUG PDU INTO RECEPTACLE.

**GENERAL NOTES**

1. FOR EACH COMM RACK, ITS LETTER LABEL DESIGNATES THE FRONT SIDE OF THE RACK.
2. THE CONTRACTOR SHALL WORK WITH SUBCONTRACTOR CSI TO BUILD AND PROVIDE A FULLY FUNCTIONAL ACCESS CONTROL SYSTEM FOR THE SIGNAL EQUIPMENT ROOM. CONTRACTOR SHALL COORDINATE WITH CSI TO FURNISH AND INSTALL ACCESS CONTROL HARDWARE AND COMMUNICATIONS LEAD-IN CABLING BEFORE COMPLETION OF THE CEILING AND VAPOR BARRIER WORK.
3. ALL 120V BRANCH CIRCUITS SHOWN ON THIS PLAN SHEET ARE (2) #12 AWG + #12 AWG GND, UNLESS NOTED OTHERWISE ON THIS PLAN SHEET. THE CABINET RECEPTACLE CIRCUITS RUN IN CABLE TRAY SHALL BE IN 1/2" FLEXIBLE METAL CONDUIT. ALL OTHER 120V BRANCH CIRCUITS SHALL BE IN 1/2" EMT.
4. ALL 208V, SINGLE PHASE, 30A CIRCUITS SHOWN ON THIS PLAN SHEET ARE (2) #10 AWG + #10 AWG GND, UNLESS NOTED OTHERWISE ON THIS PLAN SHEET. THE CABINET RECEPTACLE CIRCUITS RUN IN CABLE TRAY SHALL BE IN 1/2" FLEXIBLE METAL CONDUIT. ALL OTHER 120V BRANCH CIRCUITS SHALL BE IN 1/2" EMT.

**Kimley»Horn**

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SUFFOLK TRANSPORTATION OPS CENTER  
SUFFOLK TOC UPGRADES  
SUFFOLK, VA

**POWER PLAN**



ISSUED FOR:	MARK:	DATE:
BIDDING AND CONSTRUCTION		11-17-16
ADDENDUM 2		02-14-17

16013.01  
**E302**