

A

B

C

D

E

F

A

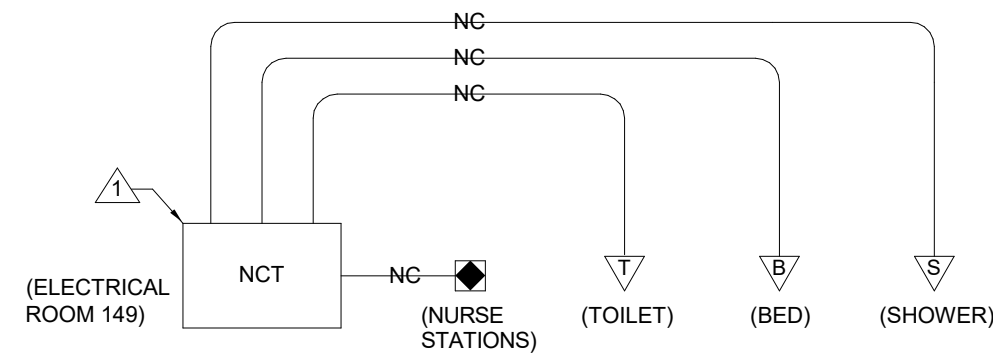
B

C

D

E

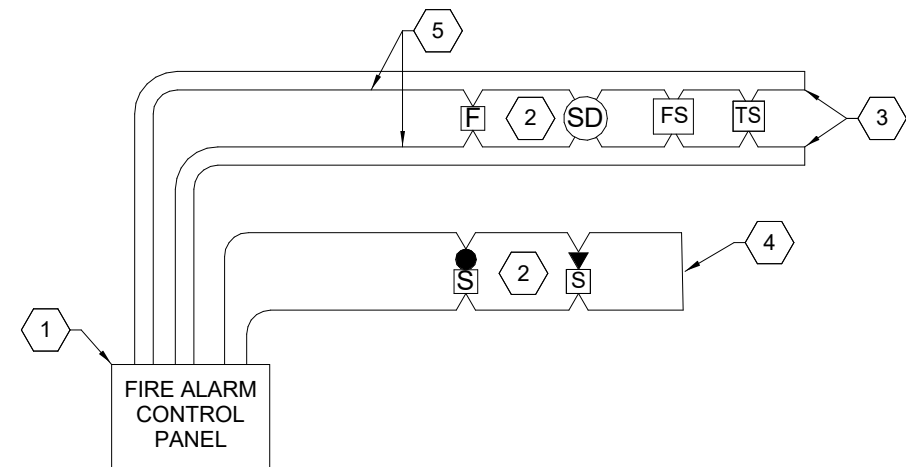
F



**NURSE CALL SYSTEM RISER KEYNOTES**

- USE 1#18 AWG TWISTED SHIELDED PAIR AND MULTI CONDUCTOR CABLE FOR WIRING DEVICES. MINIMUM SIZE CONDUIT SHALL BE 3/4" DIAMETER. FOLLOW MANUFACTURER RECOMMENDATION FOR WIRING AND INSTALLATION.

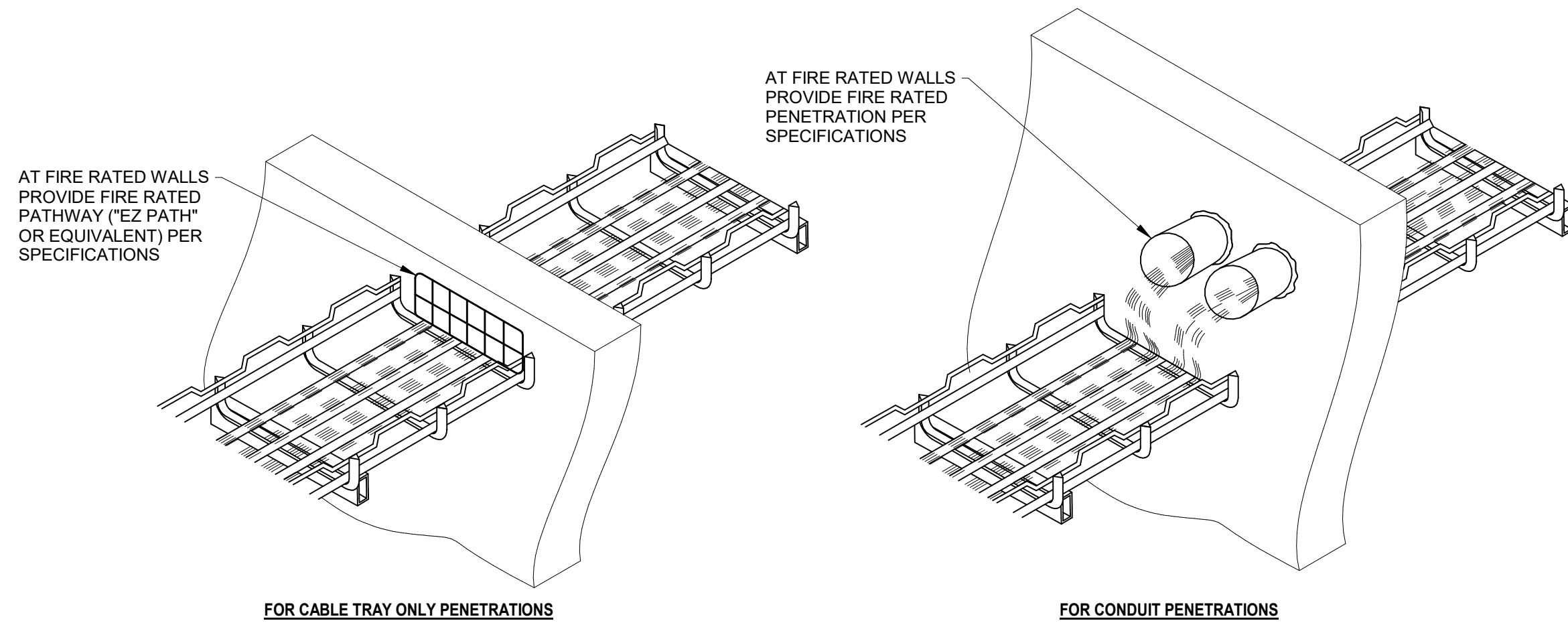
**3 NURSE CALL SYSTEM RISER**



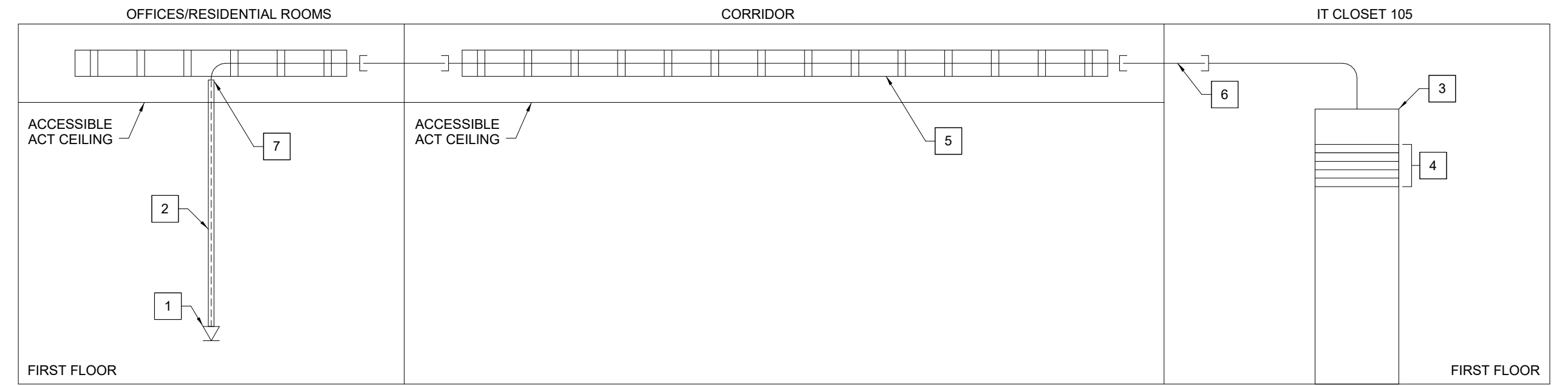
**FIRE ALARM SYSTEM RISER KEYNOTES**

- FIRE ALARM CONTROL PANEL WITH VOICE EVAC SYSTEM.
- SEE FLOOR PLANS FOR QUANTITIES OF DEVICES AND APPLIANCES, TYPICAL.
- SUPERVISION CIRCUIT (2)CLASS B WIRING, TSP-#14 AWG, 3/4" C).
- SIGNALING LINE CIRCUIT (2)CLASS B WIRING, TSP-#14 AWG, 3/4" C).
- POWER CIRCUIT (CLASS B WIRING, TSP-#14, 3/4" C).

**4 FIRE ALARM SYSTEM RISER**



**5 CABLE TRAY FIRESTOP**  
1/4" ± 1'-0"



**COMMUNICATIONS SYSTEM RISER KEYNOTES**

- SEE SPECIAL SYSTEMS FLOOR PLAN FOR NUMBER OF DEVICES, TYPICAL. PROVIDE RJ45 DATA JACK FOR RESIDENTIAL UNITS EACH DATA DROP SHALL HAVE 6 ACTIVE PORTS, FOR ALL OTHER AREAS EACH DATA DROP SHALL HAVE 8 ACTIVE PORTS WITH THE FOLLOWING CRITERIA:  
A) BLUE TOP LEFT (FOR TELEPHONE)  
B) GREEN TOP RIGHT (FOR TELEPHONE)  
C) RED MIDDLE LEFT (DATA BACK TO PATCH PANELS)  
D) YELLOW MIDDLE RIGHT (DATA BACK TO PATCH PANELS)  
E) BLANKED-OFF BOTTOM LEFT  
F) GREY BOTTOM RIGHT (DATA BACK TO PATCH PANELS).
- 1-1/2" EMT CONDUIT TO CABLE TRAY. PROVIDE CAT6A CABLE FROM OUTLET BOX TO IT CLOSET 105, TYPICAL. FOR ALL CONDUIT TO CABLE TRAY TRANSITIONS, SEE SHEET B2/A721.
- IT RACK IN IT CLOSET 105.
- PROVIDE NETWORK RJ45, 48 PORT, CAT6A, PATCH PANELS AS REQUIRED IN RACK.
- LADDER TYPE CABLE TRAY INSTALLED IN ACCESSIBLE CEILING. PROVIDE SEPARATE CABLE TRAY FOR FIRE ALARM AND NURSE CALL SYSTEM TO DIVIDE LIFE SAFETY LOW VOLTAGE EQUIPMENT. SEE SPECIAL SYSTEMS FLOOR PLAN FOR MORE INFORMATION, TYPICAL.
- PROVIDE EMT CONDUIT SLEEVES, HILTI CP653 4" SPEED SLEEVE THROUGH RATED WALLS AND HARD CEILINGS. PROVIDE FIRE STOPPING MATERIAL AROUND CONDUIT ON BOTH SIDES OF RATED WALLS, TYPICAL.
- PROVIDE PLASTIC BUSHING AT TOP OF CONDUIT STUB.

**COLOR CODING FOR CONDUITS & BOXES**

- BUILDING MANAGEMENT SYSTEMS - BLUE CONDUITS
- FIRE ALARM - RED CONDUITS (BOXES AND COVERS - RED)
- NURSE CALL/CODE BLUE - GREEN CONDUITS
- PAGING - WHITE CONDUITS
- COMMUNICATIONS - ORANGE CONDUITS

**1 COMMUNICATIONS SYSTEM RISER**

**SERVER RACK ELEVATION KEYNOTES**

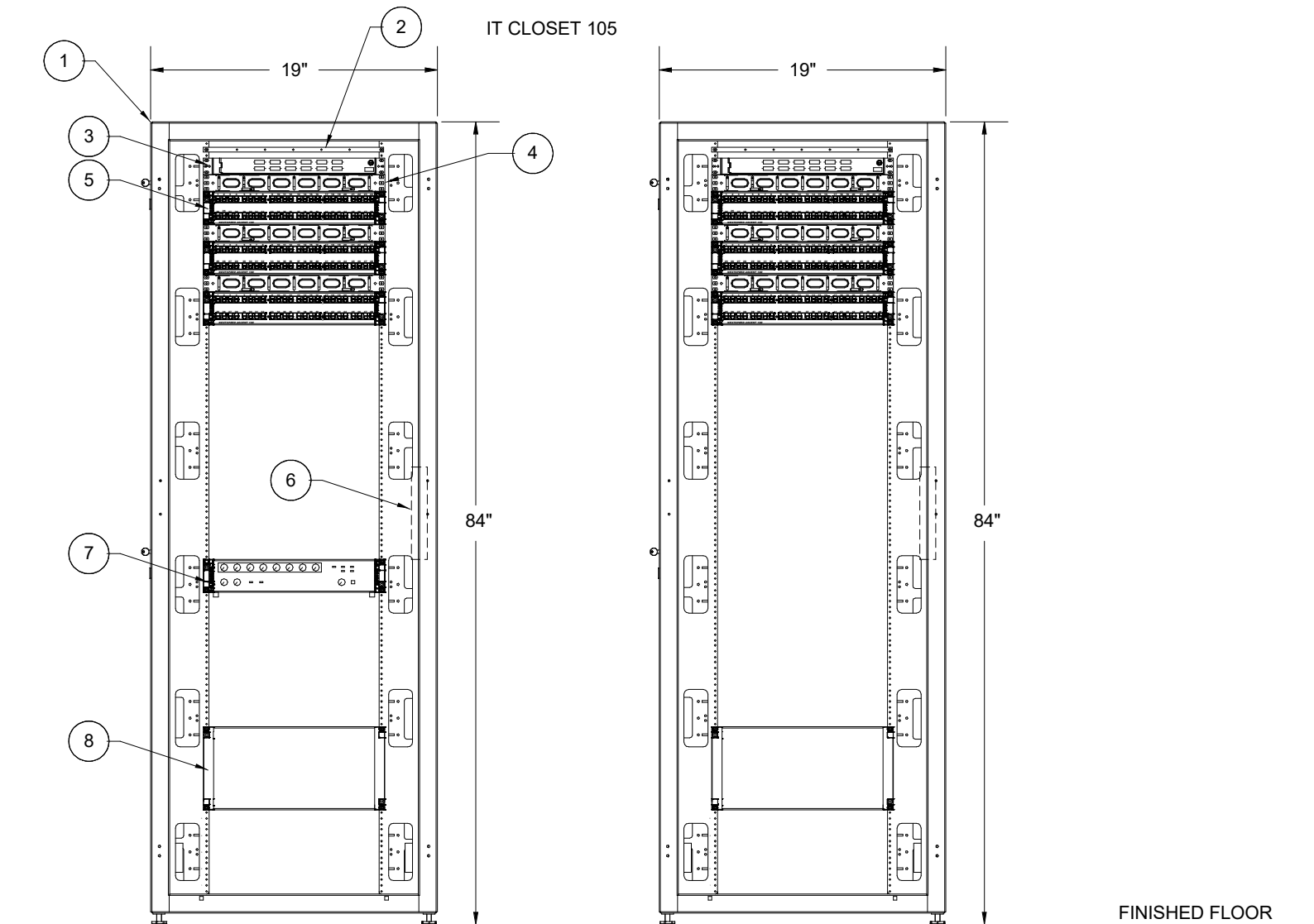
- VERTICAL 6"X84"X19" CHATSWORTH SERVER RACK.
- HORIZONTAL GROUND BUS.
- 24 PORT FIBER OPTIC PATCH PANEL WITH COUPLERS.
- HORIZONTAL WIRE MANAGEMENT.
- LEVITON 66686-C48 - CAT6, 48-PORT, 2RU UNIVERSAL PATCH PANEL. PROVIDE WITH LEVITON EXTREME CAT 6 UTP JACKS AND ORTONICS CLARITY SE 100-PAIR 110 BLOCK KIT WITH LEGS, 110C4S AND 110C5S CONNECTING BLOCKS.
- (2) VERTICAL POWER STRIP. SUFFICIENT TO SUPPORT (14) 208V, 20A (L21-20R) BUSWAY TAPS EACH.
- TOA 900 SERIES II - PUBLIC ADDRESS MIX POWER AMPLIFIER
- UNINTERRUPTIBLE POWER SUPPLY.

NOTE: COORDINATE EXACT QUANTITY WITH VA PRIOR TO ORDERING AND INSTALLATION. CONTRACTOR SHALL INSTALL WIRE AND LABEL ALL PATCH PANELS/SWITCHES FOR A CLEAN INSTALL. ENSURE SYSTEM IS FULLY OPERATIONAL PRIOR TO COMPLETION.

**PUBLIC ADDRESS SYSTEM EQUIPMENT LIST**

- TOA 900 SERIES II - MODEL A-900MK2 - PUBLIC ADDRESS MIX POWER AMPLIFIER.
- VALCOM CLARITY - 2X2' LAY-IN CEILING SPEAKER - MODEL S-522B-2.
- TOA VOLUME CONTROL ATTENUATOR - MODEL AT100.
- TOA INPUT MODULE MUTE-RECEIVE - MODEL L-115(T).
- TOA INPUT MODULE MUTE-SEND - MODEL L-415(T).
- TOA AUX MODULE CONTROL MUTING - MODEL U-13S.

NOTE: COORDINATE EXACT QUANTITY WITH VA PRIOR TO ORDERING AND INSTALLATION. CONTRACTOR SHALL INSTALL WIRE AND LABEL ALL PATCH PANELS/SWITCHES FOR A CLEAN INSTALL. ENSURE SYSTEM IS FULLY OPERATIONAL PRIOR TO COMPLETION.



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**STAMP**



Office of  
Construction  
and Facilities  
Management

**VA** U.S. Department  
of Veterans Affairs

Drawing Title  
**ELECTRICAL DETAILS**

Approved:

Phase  
**ISSUED FOR  
CONSTRUCTION**

**FULLY SPRINKLERED**

Project Title  
**NEW COMMUNITY LIVING  
CENTER**

Location  
2094 Albany Post Road, Montrose, NY 10548

Issue Date  
05/09/2022

Checked  
DK

Drawn  
SC

Project Number  
**620-334**  
Building Number  
CLC

Drawing Number  
**E-503**