BURRIS/WAGNON ARCHITECTS, P.A.
500L EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543

20 October 2025

ADDENDUM NO. 1

Re: **Batson 5C Refurbishment**
University of Mississippi Medical Center
Jackson, MS
UMMC# 2026397

Bid Date: Thursday, October 23, 2025 (2:00 P.M)

NOTICE TO ALL DOCUMENT HOLDERS:

The following additions, changes, and clarifications to the Specifications for the subject project are to be included as part of the Contract Documents, and thus amend the Scope of Work:

GENERAL

Item No. 1: A Pre-Bid Conference was held at UMMC Facilities Conference Room at 10:00 a.m., October 13, 2025 (attendance list attached). The following items were discussed:

A. Stan Wagnon reviewed Advertisement for Bids, Instructions to Bidders, and Proposal Form. **Last addendum** must be released by **5:00 p.m., Monday, October 20, 2025**; please submit last questions by noon of that day. Please submit all bidding RFI's to Stan Wagnon (stan@burriswagnon.com).
B. Architect pointed bidders to Instructions to Bidders, and discussed basic elements of bid preparation (per Instructions to Bidders), such as Certificate of Responsibility, listing of M/P/E subs on Proposal Form, listing of Unit Prices on Proposal Form, etc. It was discussed that hand delivery of bids is a reliable way to get bid stamped in and opened at the bid opening.
C. It was discussed that parking for two vehicles would be provided, and that material delivery would occur thru the elevator noted on Drawings, after hours (see Drawings). Optionally, Contractor may lift materials thru a window via lull. Removal of demolished materials shall be thru a trash chute (provided by this Contractor) on east side of building (remove/reinstall existing window, or windows, as required).
D. The Batson 5th floor will be completely vacated during this project.
E. The Project is set up as Base Bid, and no Alternates.
F. Architect noted that there are cash allowances in Section 012100 that should be included in bid.
G. Fire sprinkler work will not be done in any hatched "not in contract" rooms. At demo-d areas, Contractor should be able to complete above-ceiling work in a single day, and replace ceiling tiles back in grid by end of day. Similarly, when the majority of ceiling tiles are replaced, the tile replacement should be phased in such a way as to assure that all tiles are back in grid by end of day, to prevent having to turn up sprinkler heads per UMMC regulation. Should the Contractor need to turn the heads up, for any reason (such as during the event that tiles would need to be left out of grid for longer than one work day), Contractor shall turn heads back down as ceiling is restored with new tiles.
H. Note the Base Bid Assumptions on Sheet 4.0. Please note that the Base Bid Assumptions *shall be included in the Base Bid* (example, at Assumption #1a:

100 SF x Contractor's cost per square foot = amount to include in Bid for this Assumption #1a). These Base Bid Assumptions will be broken out on contractor's Schedule of Values.

I. The following additional items were discussed in meeting, and in a site walk-thru:
   1. Personnel Access to site shall be through stairwell at south end of site that exits to parking lot 16.
   2. Contractor shall patch any existing spray applied fireproofing that may be damaged by work occurring in this Contract. Match existing type and thickness.
   3. The Architect pointed out there is a quantity of Vinyl Wall Covering that must be removed from existing gypsum board on this floor. Bidders to determine quantities while touring floor after this meeting. See 09 91 00, 3.03/C. and 3,04/B for treatment of walls where VWC is removed.
   4. It was discussed that the specified 150 calendar days of contract time was set for a previous similar project (Batson 3C), based on expected lead times for the headwall units. Though the headwalls arrived earlier than expected, other materials proved to have longer lead times than expected, and thus the full 150 days was utilized for that project. Timing for the 5C project is important to the function of the overall children's hospital, and it is critical that bidders have resources in place to begin project immediately at the Notice to Proceed, and to be complete, and off the job, within the 150 Contract Time.

J. Please see attached DIS Standard, as requested.

K. Other questions are addressed below.

SPECIFICATIONS

Item No. 1: Refer to specifications. Note that the official UMMC job number, throughout specifications, should be 2026397, and should be changed to this number where required.

Item No. 2: Refer to specifications, Section 06 22 13/1.02 and add:

"E. Fabricator shall be a member of the Architectural Woodwork Institute at the time of Bid. An AWI-certified millwork house shall install all millwork in this Project."

Item No. 3: Refer to specifications, Section 06 22 13/1.02 and include the following clarification: "AWI-QCP Certification is not required."

DRAWINGS

Item No. 1: Refer to Sheet TS and add attached Life Safety Plan.

Item No. 2: Refer to all millwork details and note that all solid surface countertops shall be mounted on two (2) layers of ¾" plywood, and bottom of plywood shall be sealed or painted.

Item No. 3: Refer to "17/2.0" and note that top of Acrovyn impact board shall be at 4'-5" A.F.F., as shown at "16/2.0", "18/2.0", "21/2.0", etc.

Item No. 4: Refer to Door Schedule, Sht. 5.0, door openings "12" and "32", and change the following:

A. Frames at these openings shall be changed from "exist." to "new", and shall be 60-minute rated. Installation details shall be similar to "5,6/3.0", with rated gypsum board (verify existing wall construction, thickness, etc.).
B. New doors at these openings to be 60-minute rated.

Item No. 5: Refer to Sheets 1.0 and 3.0 and replace these sheets in their entirety with the attached annotated sheets (revisions are shown in RED).

Item No. 6: Refer to "12/4.0" and change C370" to "C570".

Item No. 7: Refer to "12/5.0" and note that gooseneck faucet will not extend to the center of the drain as shown—it will stop short of the drain below, per faucet specified at mechanical.

Item No. 8: See attached revised mechanical drawing sheets P101, P201, P501, FP201, M101, M201, M501, M601.

Item No. 9: See attached electrical revisions, Sht. ADE202.

No other items in this addendum.

Sincerely,

Stan Wagnon, AIA, LEED AP
BURRIS/WAGNON ARCHITECTS, P.A.

End of Addendum No. 1

The University of Mississippi Medical Center

Date: 10/13/2025 **Using Agency:** UMMC

U.M.M.C.# 2026397 **Professional:** Burris/Wagnon Architects, P.A.

Project Name: Batson 5C Refurbishment **Time:** 10:00 A.M.

Pre-Bid Sign-in-Sheet

NAME:	COMPANY:	OFFICE:	CELL:	EMAIL:
Stan Wagnon	B/W	601 969 7543		stan@burriswagnon.com
William SEALE	EO2	504.723.9338		WILLIAMS@EOZCONSTRUCTION.com
Jamie Fountain	Fountain Construction	601-405-7940		estimating@fountainconstruction.com
Edward Diaz	EO2	601-715-8273		edwardd@eo2construction.com
Mayra Prado	EO2 Build and Design	769-231-2009		mayrap@eo2construction.com.
Daniel Prado	EO2 Build and Design	601-665-8342		Danielp@eo2construction.com
Carlos Viguez	EO2 Build and Design	601-397-9343		Ccarlos@eo2construction.com
Jade Lee	Thrash	601 715 6173		JLee@ThrashCO.com
Joshua Stevens	JE Stevens	601 826 2480		joshua@jestevensgroup.com

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Project Name Batson 5th Floor Refinish Pre-Bid Meeting Project Number: 2026397 Date: 10/13/2025

Name	Company	Email	Phone
Kenneth Parvin	UMMC	kparvin@umc.edu	601-757-2269
Tony Ishee	Apex	Tishee@apexelectricms.com	601-927-2412
Brent Pigg	Apex	Brent@apexelectricms.com	662-590-5410

Office of Planning, Design, and Construction
2500 North State Street • Jackson, Mississippi 39216-4505
Phone: 601.984.1410 • Fax: 601.984.1489 • umc.edu

BURRIS/WAGNON ARCHITECTS, P.A.
500L EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543

13 Oct 2025

10:00 a.m.

PRE-BID MEETING AGENDA

Re: Batson 5C Refurbishment
University of Mississippi Medical Center
Jackson, Mississippi
UMMC #2026397

GENERAL:

1. **Open Bid:** Thursday, Oct 23, 2025, 2:00 PM CST
Facility Services, The University of Mississippi Medical Center
Apartment Building B, Room AB008
2500 North State Street
Jackson, Mississippi 39216

2. Advertisement for Bids.

3. Instructions to Bidders.

4. Proposal Form. 150 Calendar days. Liquidated Damages: $1000/day.

5. Cash Allowances – 012100.

6. Alternates – NONE.

7. Last Addendum: Monday, Oct 20, 2025, 5:00 P.M. CST. Please have all questions in by noon that day.

8. The Mississippi State Board of Contractors is responsible for issuing Certificates of Responsibility to Contractors. Please ensure that your company information is current and up to date, at the time of bid and throughout the length of the job. Bids over $50,000, must show a Certificate of Responsibility number on the bid and on the face of the envelope containing the bid information.

9. Business Name must be exactly as listed with the MS Secretary of State's Office.

10. Written bid amounts supersede the numeric amounts.

11. Make sure to acknowledge all addenda on bid forms.

12. Provide Mechanical/Plumbing/Electrical Subcontractor(s) information on Proposal Form.

13. Bidder has 24 hours to notify UMMC regarding any mistakes with Bid Submittal.

14. Bid Protest(s) must be submitted to UMMC, within 24 hours.

15. Bidder must hold bid price for 60 days per bid specifications.

16. Notice to proceed will occur approximately _____ weeks after bid award.

17. Out-of-State Contractors must submit reciprocating construction law for their resident State.

18. UMMC is the Owner - Contract will be between UMMC and the Contractor.

19. If bid is sent by UPS/ FEDX or USPS, it is the Bidder's responsibility to make sure it is delivered and stamped in before 2:00:00 PM on bid date.

20. Discuss campus/site access and parking.

21. Discuss project scope.

22. Visit site (at UMMC's option).

UMMC DIS cover page for the DIS Version 10.1 Cabling standards 11/1/23

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THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER™
Division of Information Systems

Division of Information Systems

The mission of information technology at UMMC is to advance learning, discovery and care in order to realize our full potential as a world-class academic medical center.

Contact us

- **Department of Information Systems**
  University of Mississippi Medical Center
  350 W. Woodrow Wilson, Suite 1601
  Jackson, MS 39213
  (601) 984-1145
  Fax: (601) 815-3670
- **Help Desk**
  (601) 984-1145; toll-free: 1 (877) 347-5041

https://www.umc.edu/DIS

Send estimates to:

DISConstruction@umc.edu

All UMMC campus network cabling is to be managed directly, approved, processed and paid through UMMC/DIS. This includes all large and small construction jobs and requests from UMMC depts. No longer will the DIS wiring go through a general contractor and be double subbed out thought the electrical contractor.
Please click this link for more information.

Version 10.1

MAIN MENU

UMMC/DIS version 10.0 cabling standards Main Menu

The systems indicated below are specified in detail hereinafter require specialized skill and experience in their installation. Installation vendors must adhere to these requirements.

#1 ISP/OSP Copper telephone cabling (limited)
- description of old POTS
- Understanding of universal jacks
- OSP telephone termination

#2 ISP/OSP/interbuilding Fiber optic cabling
- Fiber size requirements
- OSP Hand holes installation requirements and labeling
- OSP conduit

#3 ISP universal copper data network cabling (cat 6)
-cat 6 Cabling Jacket colors reserved
-cat 6 Cabling required + Cat 6 cabling do's and don'ts **Page 1** **Page 2**
-cat 6 Cabling z-max rack patch panels
-cat 6 Cabling z-max faceplates

#4 Wireless access points design (Page 2 example wireless report)

#5 ISP construction design and cabling support
-(TR) termination room design / ladder rack in room
-(TR) Low voltage closets
-(TR) wall backboards
-(TR) Standard 2- 4 post open rack layout design
-(TR) cabling support jhooks (under 25 cables)
-(TR) cabling support cable tray (25+ cables) (page #2)
-(TR) cable routing
-(TR) Patch panel termination

#6 Fire Stopping - Hilti only products
-Speed sleeve multi gang speed sleeve holder
-Speed sleeve installation

#7 Grounding / bonding
-G&B Comm contractor responsibility & bond labeling
-G&B definitions
-G&B risers (page 1) (page 2)
-G&B TR room TGB description
-G&B AWG size per distance

#8 Siemon installation venders and Paperwork
-Test results description / DSX-800 setup
-Installation inspection form check off
-Installation & grounding form check off
-As-builts discription
-Siemon's certificate layout description
-Required paperwork submitted to DIS direct, work safety & PPE

#9 Floor boxes and A/V

#10 Camera systems

#11 Nurse call

#12 Access Control

#13 Overhead Paging

#14 Clocks

#15 Fire alarm System and fiber backbone
-Fire alarm understanding
-Fire Alarm labeling
-Fire Alarm fiber terminating

#16 Emergency power and PDU's

#17 UMMC DIS standard floor plan symbols

All Contractors are required to be a listed Siemon's certified contractor Company

ISP Copper telephone cabling (limited installation)

Please refer to universal data outlets for more exact info

Like many companies or organizations as we move into the future, UMMC will be less dependent on old style telephone cabling. We are converting most all of our standard phones over to Cisco VOIP. The need for separate telephone cabling and jacks are not needed. But we still have a few systems that depend on analog circuits to keep functioning

- Elevator Phones (in works of wireless replacement system)
- Panic buttons (new buttons are a VOIP solution)
- Modems (will phase out as older equipment is replaced)
- Patient rooms
- Fax machines (in works of converting to right fax)
- ATT Red emergency telephones

Knowing this, we now pull only cat 6 network cabling to our Network TR's (color yellow only) and terminate everything on Z-max snap-in patch panels (on rack/cabinet). No gray cable or designated only telephone Jacks are installed. Riser cabling From our MDF telephone rooms are terminated on *modular telephone panels and installed on UMMC data racks*. This will also allow us to still patch antiquated equipment on our more modern data cabling system.

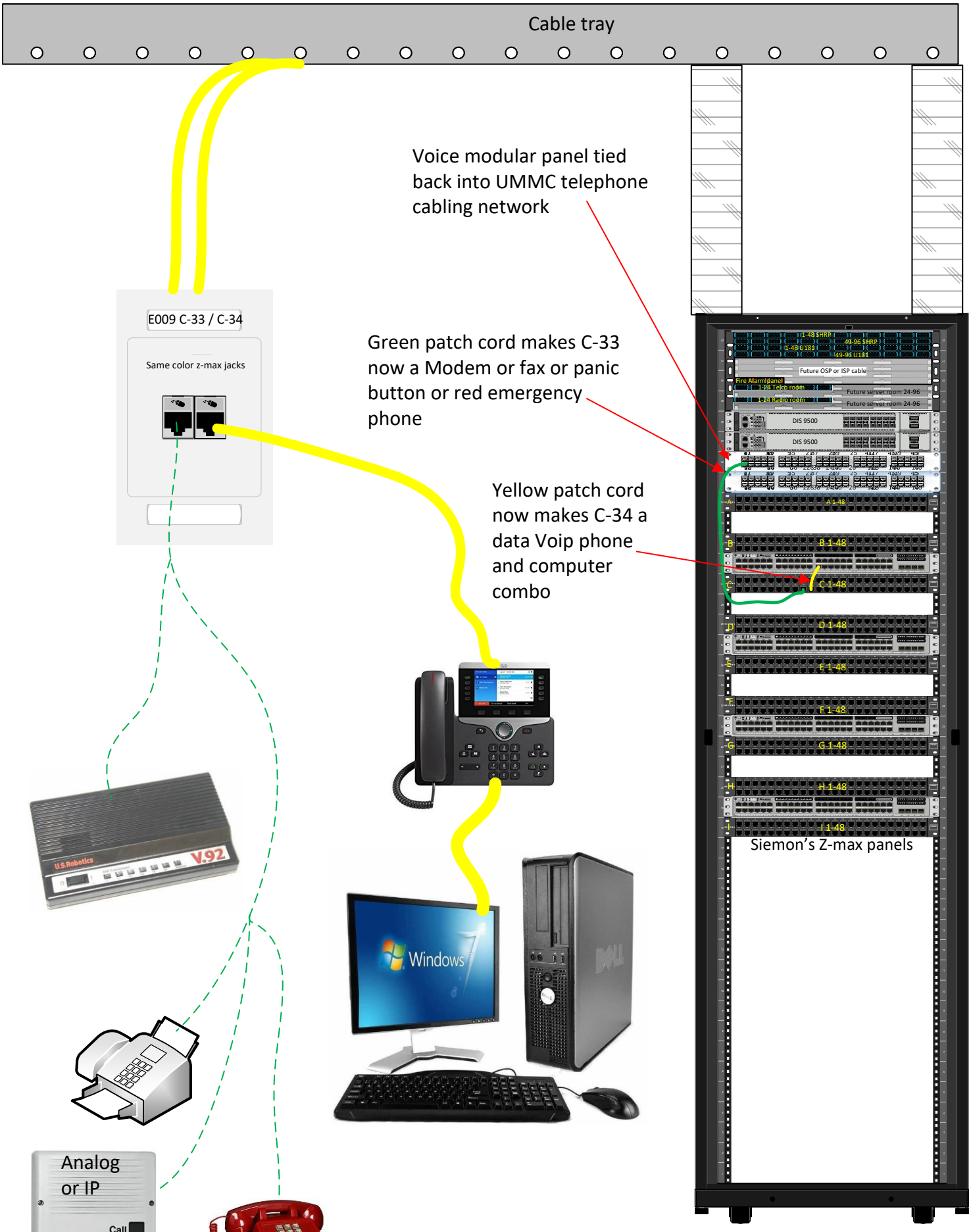
No new telephone riser cabling is to be terminated on backboards (66/110 blocks) in TR's

UMMC DIS now makes all user end jacks and cabling the same color (Yellow cable/ Ivory or white jacks) and call them universal outlets. Depending on how you patch them on the network rack they will provide data or voice service to the user end.

The advantages to this are

- Any jack outlet can be a voice or a data connection (depending how it is patched on the rack)
- This arrangement can be swapped around at anytime
- A fax line could be unpatched and a cable not re-pulled in same space for new computer
- Where a old computer was connected, now could be patched for a fax line
- Please see illustration

MAIN MENU



With this universal jack design, any user outlet can be easily reconfigured for that departments needs

MAIN MENU

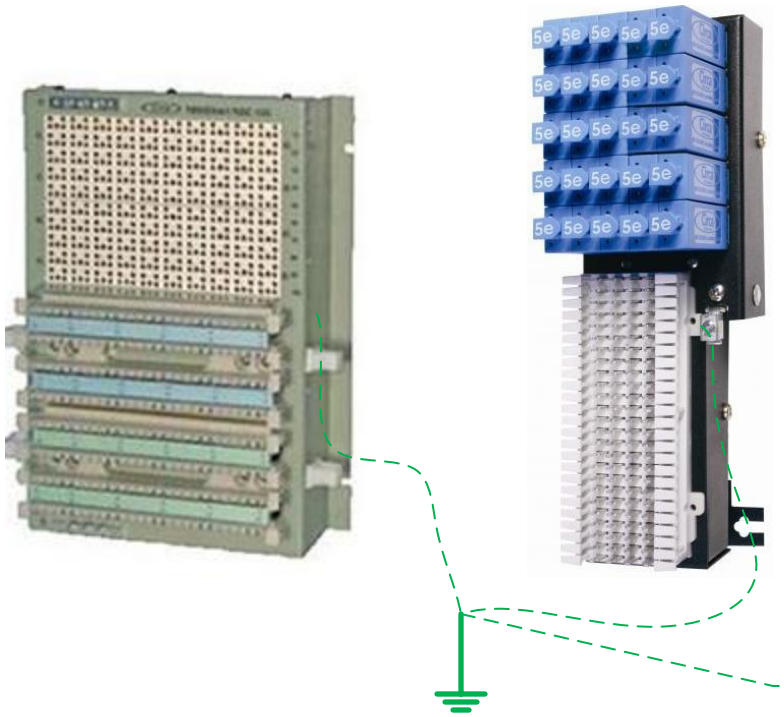
#1 OSP Copper telephone cabling (limited installation)

Like many companies or organizations as we move into the future, UMMC will be less dependent on old style telephone cabling. We are converting most all of our standard phones over to Cisco VOIP. The need for OSP telephone cabling is very limited. Most of our OSP is dependent on our UMMC fiber optic back bone.

A few things to keep in mind if OSP copper telephone cable is buried or in conduit on our campus

excluding building to building or with-in hallways or UMMC's sub-basement

- Cable must terminate to a lighting protected terminal on each end within 50' of entry
- The cable shield and protected terminal must be terminated on both ends to an approved isolated building ground



MAIN MENU

Fiber cable size requirements on new DIS and rehab construction area DIS closets

ISP cable single TR’s

ASCEND Fiber Housings in Rack

- A minimum of 24 SM Plenum cable.
- Factory terminated splice on LC connectors or splice on pigtails is required
- All AFL ascend fiber shelves and splice cassettes for connectivity / built in shutters
- If a second closet feeds from this TR closet another 24 fibers will be required
- Fiber cable is to be pulled back express to Cisco sub-core of same building.

OSP cable / ISP MDF building feeder

- A minimum of 144 SM cable per feed and a primary and opposite path redundant feed is required
- OSP cable must transition to ISP cable with-in 50' entrance to any building
- Factory terminated splice on connectors or splice on LC pigtails is required
- All AFL ascend or Poli-mod LGX fiber shelves and splice cassettes for connectivity / built in shutters
- AFL 4u fiber ascend or LGX fiber shelf will be required on each end

BASE-12	ASCEND HOUSING, 1RU, BASE-12 TRAYS	ASCEND-1RU-12
	ASCEND HOUSING, 2RU, BASE-12 TRAYS	ASCEND-2RU-12
	ASCEND HOUSING, 4RU, BASE-12 TRAYS	ASCEND-4RU-12

ASCEND® Splice Cassettes

Splice Cassettes include 250 micron preterminated single fiber pigtails (or one bare ribbon pigtail), that are loaded within the cassette and can be spliced directly to loose (or ribbon) fiber cable.

12 Single strand cassette

Singlemode	ASCEND-12 SPLICE CASSETTE, LC/UPC, SM, STRANDED PIGTAIL	A12-SPC-LU-S

OR

12 ribbon strand cassette

Singlemode	ASCEND-12 SPLICE CASSETTE, LC/UPC, SM, SWR RIBBON PIGTAIL	A12-SPC-LU-R

MAIN MENU

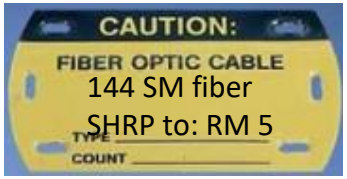
OSP cabling hand holes: plenty deep to hold fiber cable loops (50') fiber splice cases and have room for expanded conduit runs

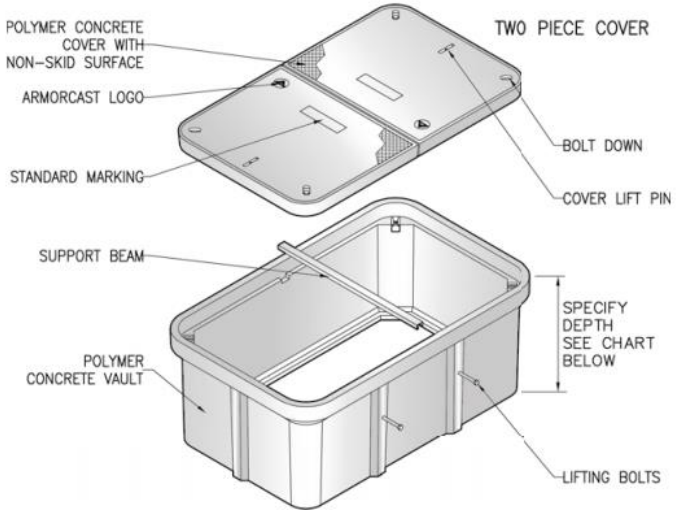
36″ x 60″ x 48″ Polymer Concrete Handhole Assembly, Tier 22

400-300511

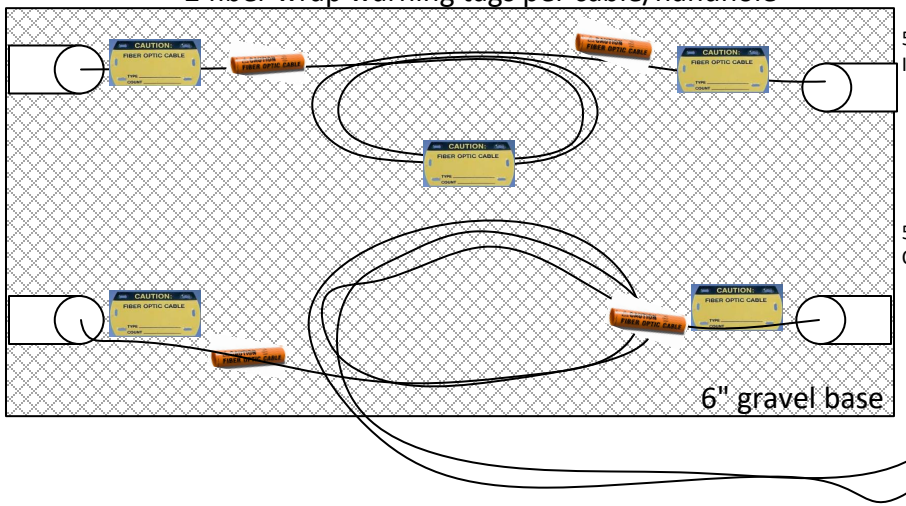
Hand Hole Assembly, Polymer Concrete, 36″ x 60″ 48″ Depth, Tier 22, 33,750 lb Test Rating, Fiber Optic Logo, Two Piece Cover, Straight Wall, Armorcast. Price Per Each. Covers Sold Separately.

Vault & Cover Assembly	36" x 60" x 48"	10K	8	A6001436APCX48	895 lbs.	1
	36" x 60" x 48"	20K	15 / 22	A6001436TAPCX48 / A6001436HDAPCX48	895 lbs.	1



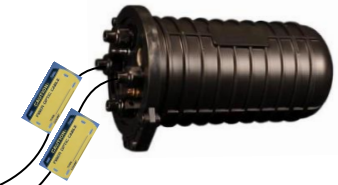


3 cable identifier tags 1' in / 1' before out loop/or splice case
+ 2 fiber wrap warning tags per cable/handhole



50' slack loop per cable per Handhole
Incase of cut cable and needing spliced

50' slack loop per cable per Handhole
On all cables to reach splicing trailer

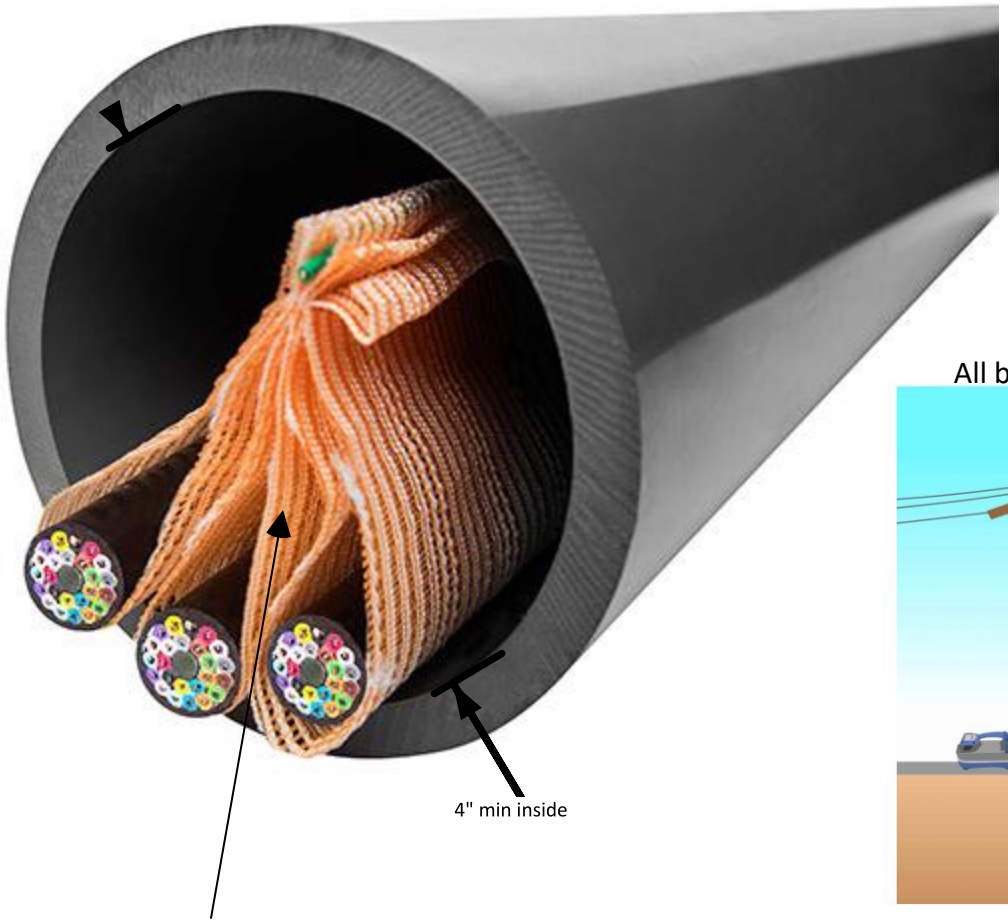


Splice case cabling must be able to extend out 50' from hand hole to be worked on in a splice trailer

MAIN MENU

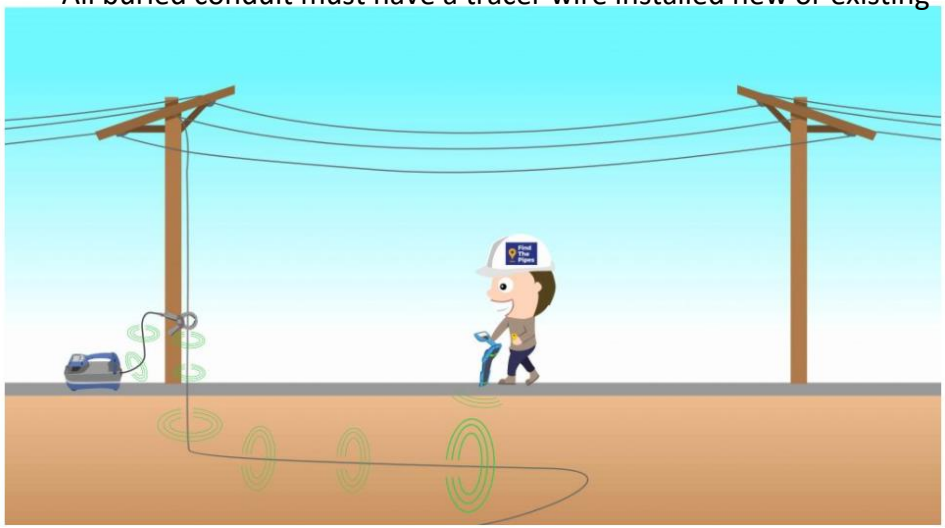
Outside plant conduit / bore pipe installation/locate wire

- A minimum size of 1- 4" thick wall conduit/bore pipe is required on all conduit installations
- 12awg green coated tracer wire inside the 4" conduit is requires for locating and slack left in handole to attach a locator to.
- A open 4" 3 cell (maxcell) is to be pulled along with all new fiber installations
- The tracer wire and the new fiber is to remain outside the maxcell.



Maxcell is for Future use after install

All buried conduit must have a tracer wire installed new or existing



MAIN MENU

Assigned Plenum Cat 6 cable colors and purpose
All network cabling must be Siemon's sol6 CMP

Standard UMMC/DIS ***yellow*** cat 6 Siemon's SOL6 CMP used on all switch network connections

Not used/reserved old UMMC/DIS gray telephone cable /// Possible nurse call connections

Standard UMMC/JCI ***blue*** cat 6 Siemon's SOL6 CMP used for Cams/Access control

Standard UMMC/JCI ***red*** cat 6 CMP used for Fire Alarm

Standard UMMC/elec ***Rose*** low voltage lighting control ---6" separation from UMMC/DIS cat 6 cabling because this is strapped to and inside high voltage elec conduit (and allowed by elec code) Also not allowed to share jhooks, cable trays or wall penetrations with DIS cabling.

Standard UMMC/Phillips ***Orange*** cat 6 Siemon's SOL6 CMP used on Phillip's equipment and A/P's

Green Currently not designated for anything.

Brown Currently not designated for anything.

White Currently not designated for anything.

Black Currently not designated for anything.

Aqua Currently not designated for anything.

Violet Currently not designated for anything.

Any existing 5E cables that are in remodeled areas which are scheduled to be demolished are to be completely removed from ceilings/walls. ANY disconnections or reconnections at telephone terminals must be performed by UMC personnel. Any disconnections or reconnections to DIS switches, must be performed by the DIS network team

All horizontal cables, regardless of media type, must not exceed 90 m (295 ft.)

No other installation system is permitted to use assigned jacket cable colors for their infrastructure
IE: Low voltage lighting controls using Yellow cable is not permitted

MAIN MENU

Only Approved data cabling to be installed at UMMC

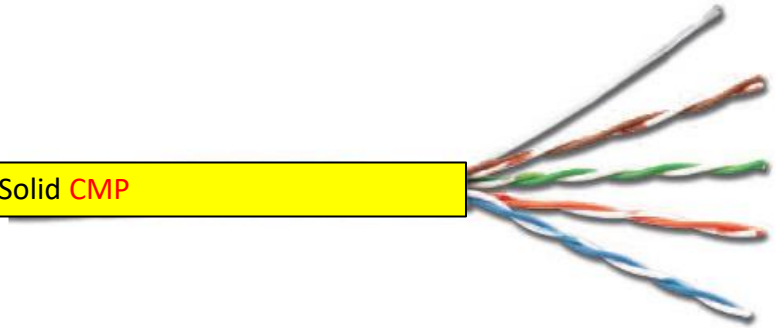
All cabling to be installed is to be plenum rated (CMP) and terminated 568 “A” style

UMMMC/DIS “Siemon’s solution 6" warranted certified Yellow sol 6 cable: **9C6P4-E2-05ARXA**

-- please adjust the fluke DSX8000 tester to Siemon/sol 6 for all certified test results--

Home / Products / Cable

Solution 6 UTP Cable (North America)



Siemon SOL Cat 6 4 Pair UTP 24 AWG Solid CMP

Product Resources_

Part Numbers **9C6P4-E2-05ARXA**

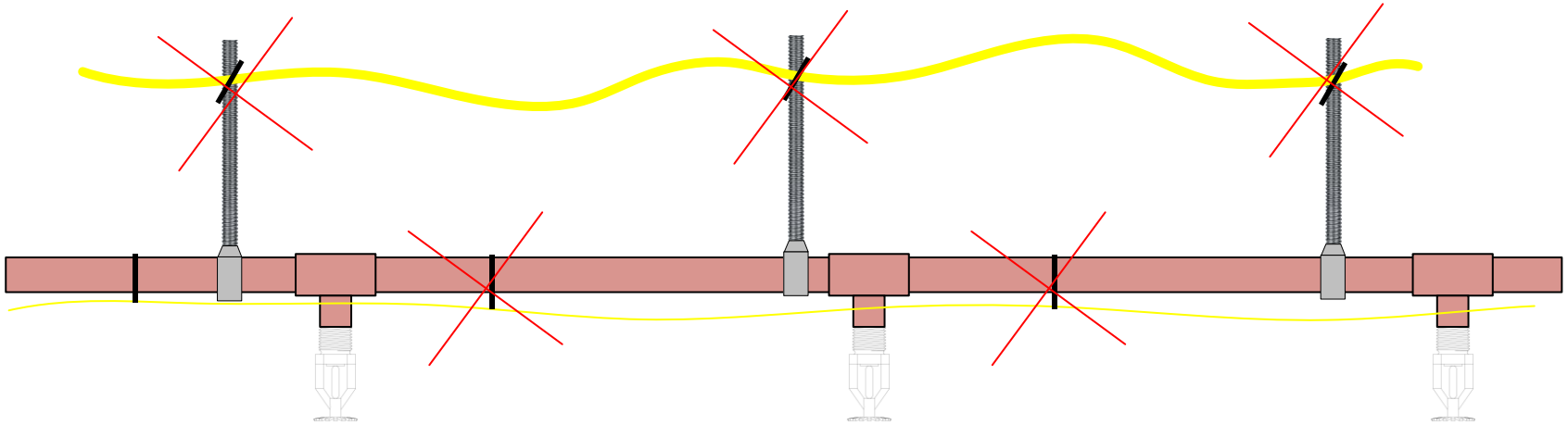
Specification Sheet: Category 6 Solution 6 UTP Cable (US)

Download/Request Catalog

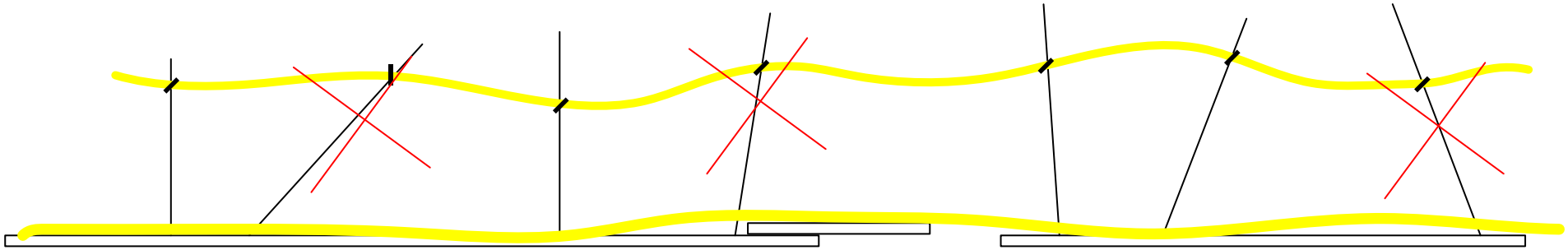
Need Help? Ask Siemon

9C6P4-E2-05ARXA

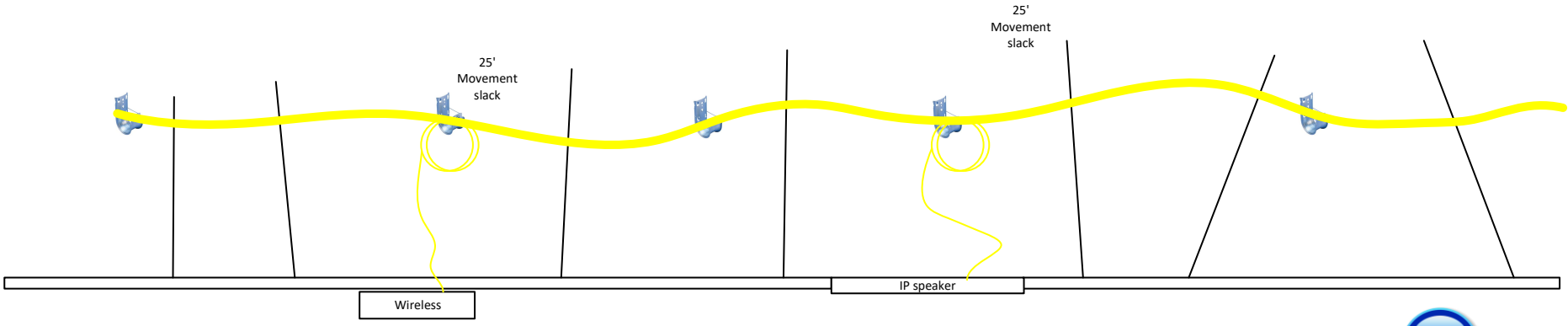
MAIN MENU



No infrastructure or cabling is allowed to attach to any part of the sprinkler system at any point. This means pipe/heads/supports

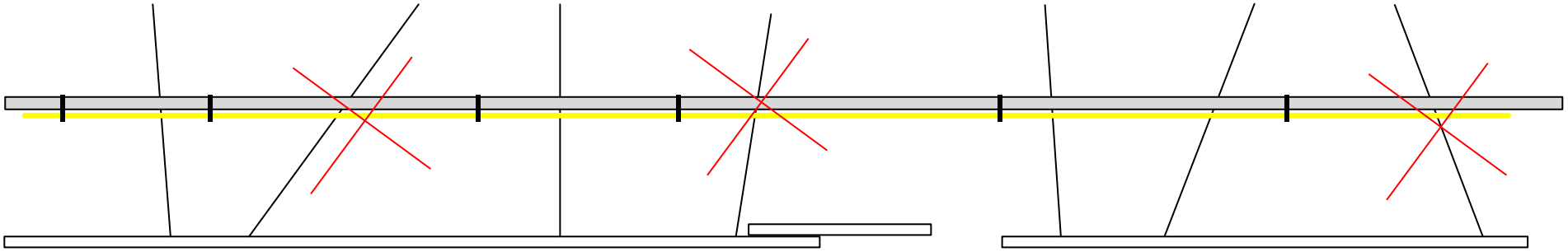


No cabling is allowed to attach or lay on top of any of the ceiling tile system. This means direct on top of the tiles or support wires.

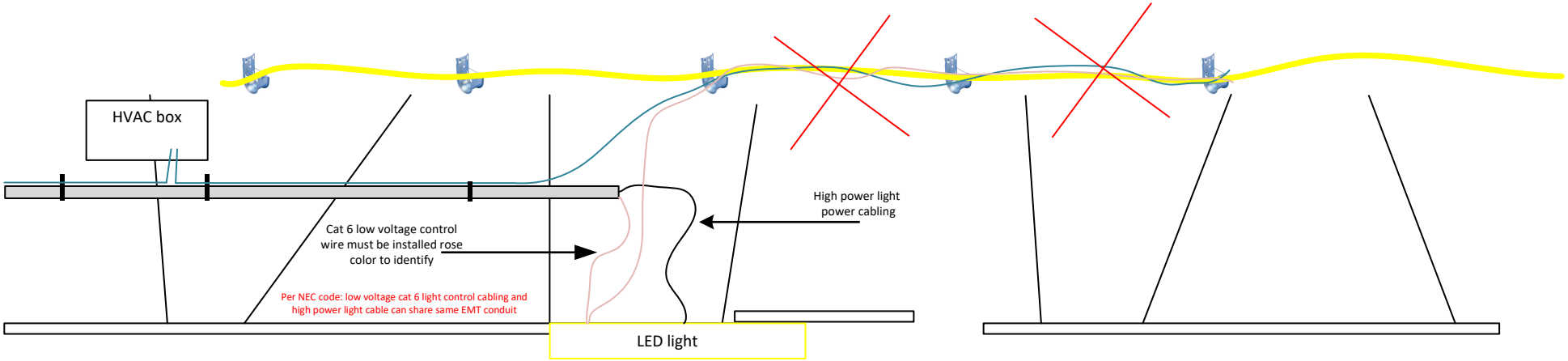


If network equipment is installed in the drop tile ceiling, all cabling will have a separate independent support system along with 25' slack for movement for each device.

MAIN MENU



No DIS network cabling is allowed to attach to power EMT. Minimum of 6" of separation of low voltage and power.



low voltage lighting control cable or systems inside with high power (ok by NEC code) or attached to power conduit (IE: HVAC) cabling is not allowed to share J-hooks, cable trays or fire sleeves. Must have 6" separation from regular network cabling.

MAIN MENU

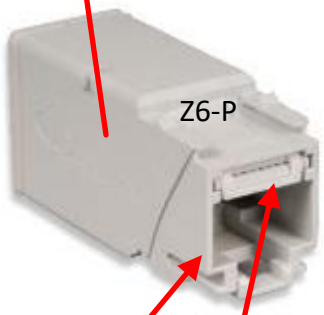
Only approved patch panel to be installed

All Cat 6 yellow network cabling is to be pulled back to TR and terminated on Siemon's HD 1u 48 port z-max panels only. terminated 568 “A” style. This panel can be purchased with or without the HD only jack inserts. All installations require full 48 panel, but to reduce bid cost can be populated only on amount of patch panel ports you require for job completion.

1RU

only

- **48 port snap-in 1u HD panel fixed back cable support- flat only**
- **Z6-PNL-U48K includes 48 HD insert jacks**
- **Z-PNL-U48E empty no jacks**



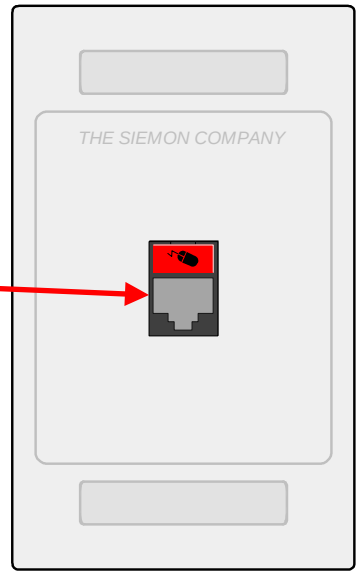
Z6-P

No bezel or icon meant for HD panel only

Z6-02 (white)

Z6-20 (Ivory) bezel & icon meant for faceplates only

only



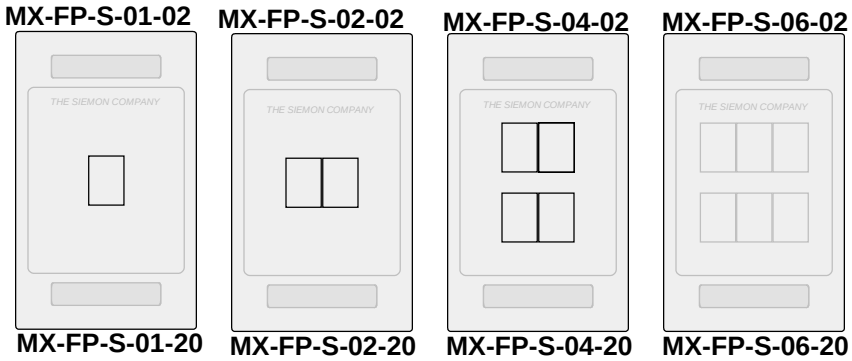
Also note that the same z-max jack that is installed in a z-max hd patch panel, is similar but will not work in a z-max style faceplate or vise-versa

MAIN MENU

UMMC/DIS standard on faceplates is all z-max only and must have the label holders

White or Ivory Z-max faceplates and jacks matching the design

White



Ivory

Z6-02 (white)

Z6-20 (Ivory)

Home / Products / Work Area

Stainless Steel MAX Faceplates

Product Resources_

Part Numbers

Download/Request Catalog

Need Help? Ask Siemon

All non medical/patient areas are to have plastic faceplates ie: standard offices

Stainless Steel faceplates only installed in patient treatment areas, labs and clean rooms, because of high cost

This is not a full job standard and only in limited locations

--white or Ivory Jacks

MX-FP-S-(XX)-SS-L (Picture) Single gang stainless steel faceplate with labels and label holder.
MX-FP-S-(XX)-SS, MX-FP-S-(XX)-SS-L - Use (XX) to specify number of ports: 01 = 1-port, 02 = 2-port, 03 = 3-port, 04 = 4-port, 06 = 6-port
Faceplates include mounting screws.

MAIN MENU

All Wireless layout designs must be obtained through UMMC/DIS with Cisco (EKAHAU) A/P Wireless design software survey to meet voice grade coverage

We no longer allow architects or elec engineers to design our wireless network. Also we don't design our A/P layouts in hallway's only.

Wi-Fi Network Report

1

Survey routes and Access Points for 1

Area-1 (22,279 ft²)

Coverage Requirement: **Voice + Data**	Signal Strength Min	**-67.0 dBm**
	Signal-to-noise Ratio Min	**20.0 dB**
	Data rate Min	**20 Mbps**
	Number of Access Points Min	**2 at min. -75.0 dBm**
	Channel Overlap Max	**2 at min. -85.0 dBm**
	Round Trip Time (RTT) Max	**200ms**
	Packet Loss Max	**2.0 %**

Wi-Fi Network Report

Signal Strength for 1 on 2.4 GHz band

Signal Strength - sometimes called coverage - is the most basic requirement for a wireless network. As a general guideline, low signal strength means unreliable connections, and low data throughput.

-80.0dBm Cisco Design Guideline	**≥ -45.0dBm**
-80.0dBm Voice + Data	**≥ -45.0dBm**

ekahau

WIRELESS DESIGN

MAIN MENU

Example

1. EXECUTIVE OVERVIEW

Introduction

This document provides site survey information that is relevant to the wireless network as deployed at University Mississippi Medical Center. This report will is centered on the Women's and Infant Building on the main campus. The primary goal and subsequent objectives are to show the RF characteristics of the environment as it pertains to Wi-Fi. This survey was created using Ekahau Site Survey wireless tools and software. This software was used for collection of information including, signal strength, signal to noise ratios as well as other data points to help produce visual outputs of the current wireless network This survey may include any of the following; onsite surveying, RF spectrum analysis surveying, real-time active and passive site surveying techniques. As such, the survey includes (but is not limited to) information regarding:

- Wireless Site Survey Details
- Access Point (AP) Placement and Configuration Information
- Antenna Placement and Configuration Information
- Radio Frequency Coverage Pattern Maps (on provided blueprints)

Where necessary, this document contains a description of characteristic(s) unique to the site providing context to the AP configuration and coverage maps. Additionally, suggestions may be provided regarding enhancement of the RF network for adaptation to facility changes over time.

Methodology

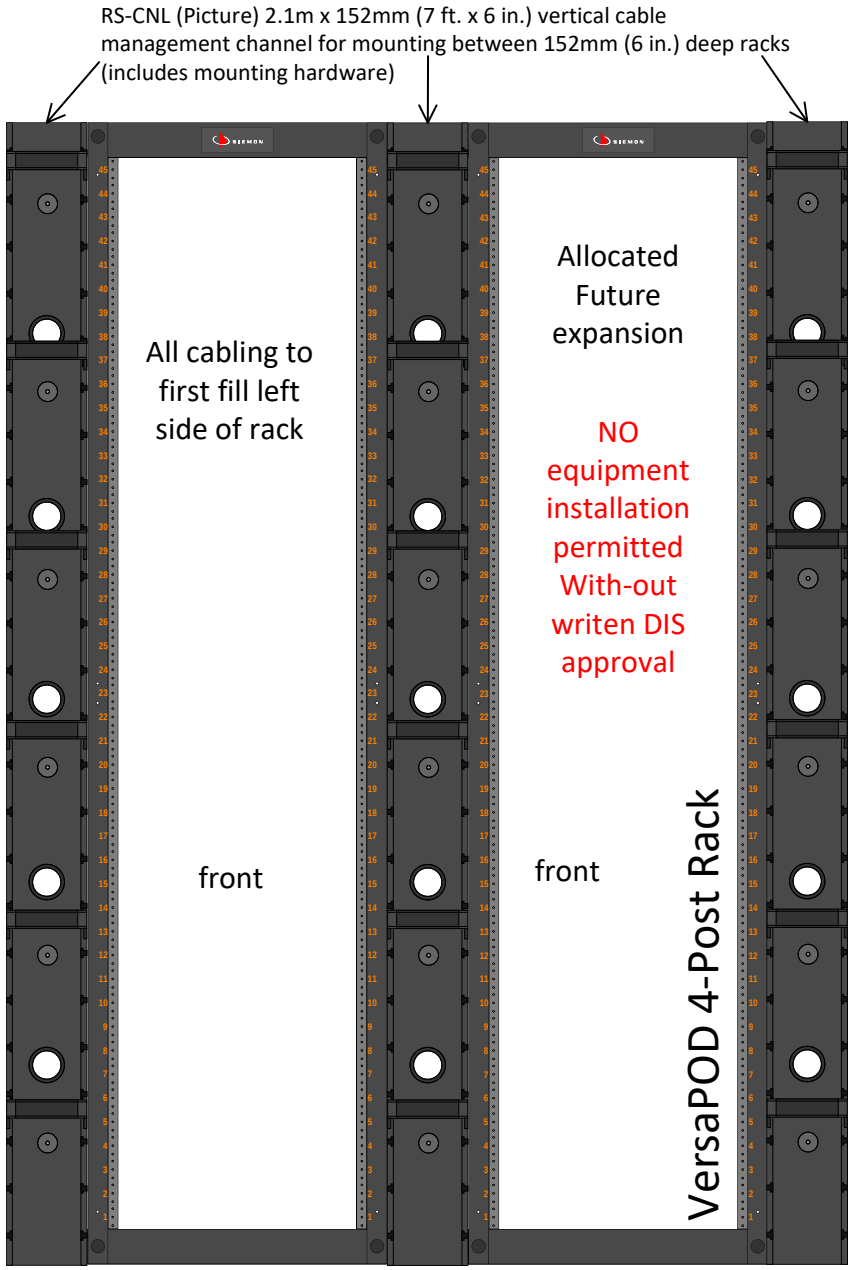
Passive Survey – A survey was performed an advanced site survey analysis by importing the floor plans into advanced wireless planning tools. Once the floor plans are imported into the tool, the software and wireless card are set into a passive scanning mode. This mode will allow the software to continually scan the Wi-Fi for all power levels and coverage areas as the tool are walked throughout the floor. This survey reports a heat map of different coverage reports at the time of the survey. This process will be repeated for each floor being surveyed for wireless coverage.

The survey requires a broadcasted SSID on the system. This SSID can be the Guest or Internal SSID as only the broadcasted SSID will be reported on. Access points power levels and coverage areas should be identical for all SSIDs being serviced by the same radios on each access point.

The wireless survey was conducted against different requirements for 5GHz and 2.4GHz bands. The 5GHz band was surveyed against network requirements for Voice over Wireless. The 2.4GHz band was surveyed against High Speed Data Application network requirements. Specifics on the two are listed in the tables below.

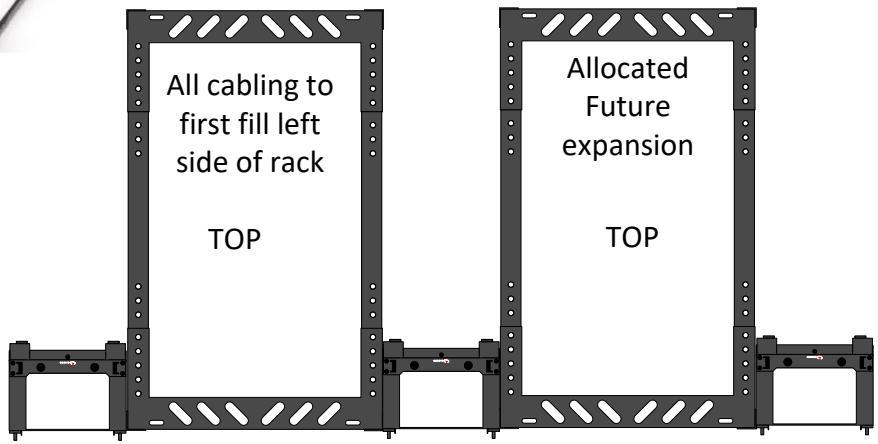
MAIN MENU

UMMC/DIS Typical dual 4 post rack TR buildout with 3 vertical wire managers



All wall mount racks are to be enclosed and double swing. Wall mount must be 30" deep to hold deep Cisco 9300 switches CPI-wall mount cube

3d

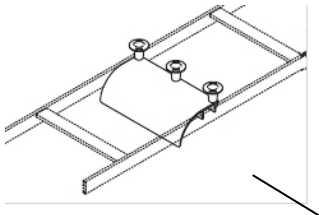


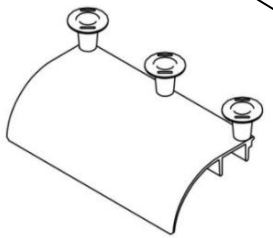
RSQ1-07-S (Picture) 7 ft. x 19 in. VersaPOD 4-post rack, 560-915mm (22-36 in.), Steel, Black, 45U, #12-24

MAIN MENU

Newly designed TR rooms for UMMC/DIS 100 SQ feet

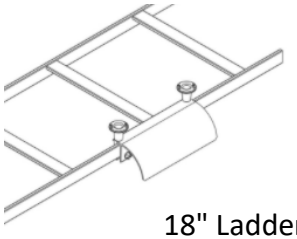
Entire rooms is to be rapped in ¾" fire rated plywood. Wood can be painted except for the fire rated stamp

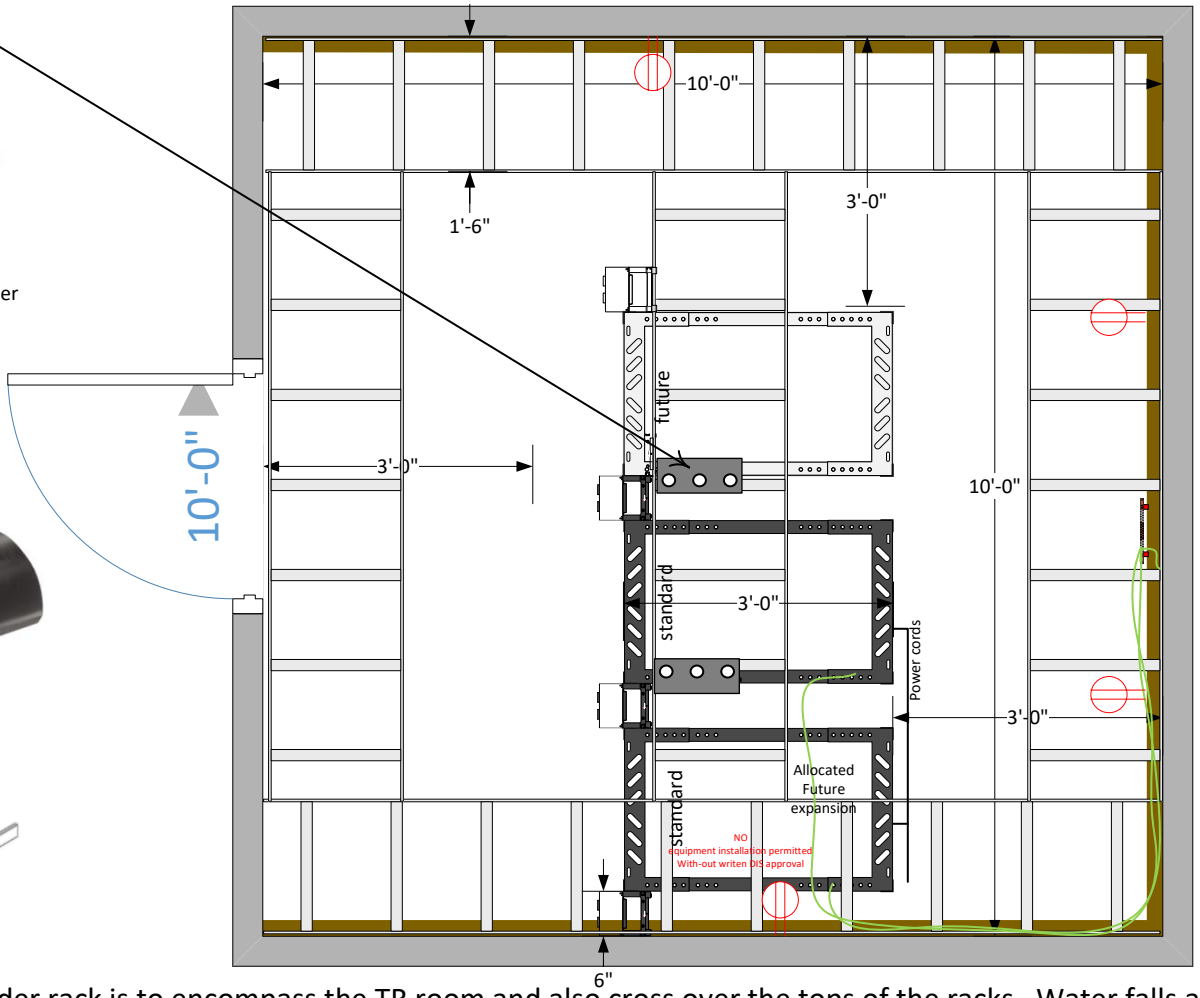




12" Inside rung Drop Cross Member
CPI 12100-712

10" outside rail Radius Drop
Stringer CPI 12101-701





Full grounding of ladder racks and network racks is the responsibility of the comm contractor to see/ have completed. Even if grounding falls under the electricial contract

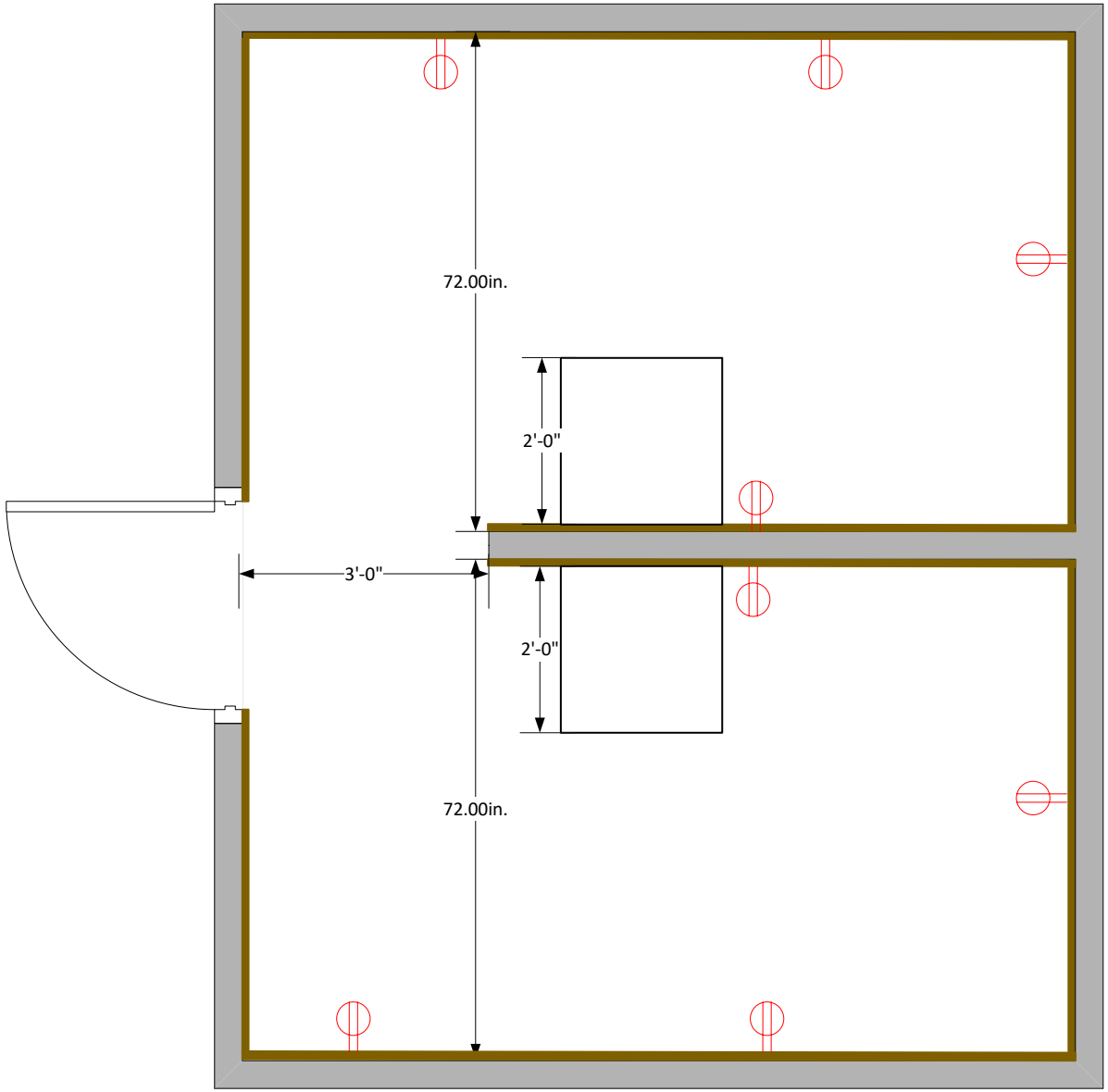
18" Ladder rack is to encompass the TR room and also cross over the tops of the racks. Water falls are to be installed for cabling going down to the racks. Any cabling entering the room higher than 12" above the ladder rack will require a angled ladder rack bridged up to that entrance point

Lighting in the telecommunications closet must be (LED) and a minimum of 500 lx (50-foot candles) at the lowest point of termination. A quad emergency electrical outlet, must be provided every (6 ft.) intervals around the perimeter walls. Each on a separate circuit.

No other systems are permitted to be installed in the DIS data closets wall or rack
IE: Nurse Call, Access control, Fire alarm, Philips…..Other systems

MAIN MENU

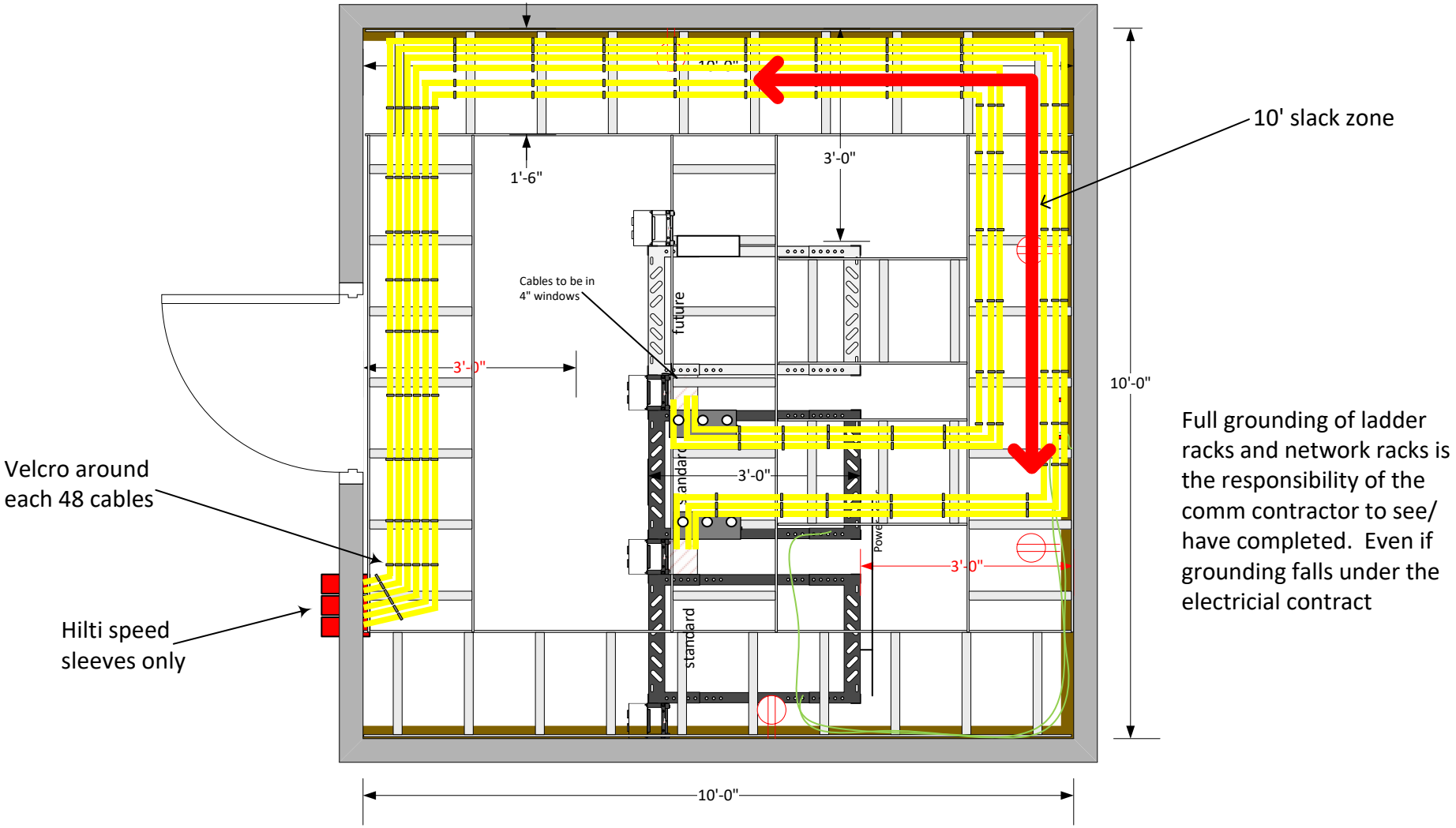
Low voltage closet designed for
JCI,Phillips,Nurse call, Access control, nurse call
Center wall install for more wall mounting
These LV rooms are new standard to keep seperation from DIS cabling



Larger room design with more wall space to mount equipment
All all to have ¾" fire treated plywood and painted with fire retardant paint.

MAIN MENU

Cabling layout TR rooms for UMMC/DIS 100 SQ feet



Full grounding of ladder racks and network racks is the responsibility of the comm contractor to see/ have completed. Even if grounding falls under the electricial contract

Cable routing should be done in a fasion that leaves 10' of cable slack per cable / per 48 cables and patch panel-- no sleeves or center tile cabling is permitted-- all cables must go to edge beside the wall and all ceiling tiles can't be restricted from removal. IE… placing a sleeve in center of a tile.

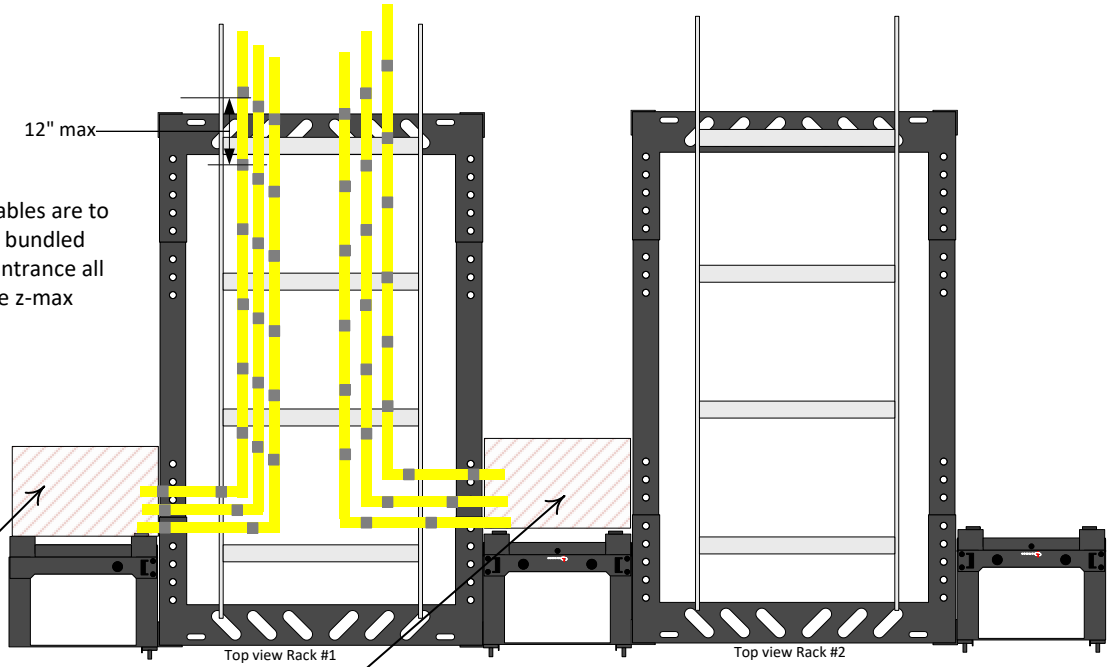
All cables are to be combed, dressed, separate & velcroed per 48 cable patch panel

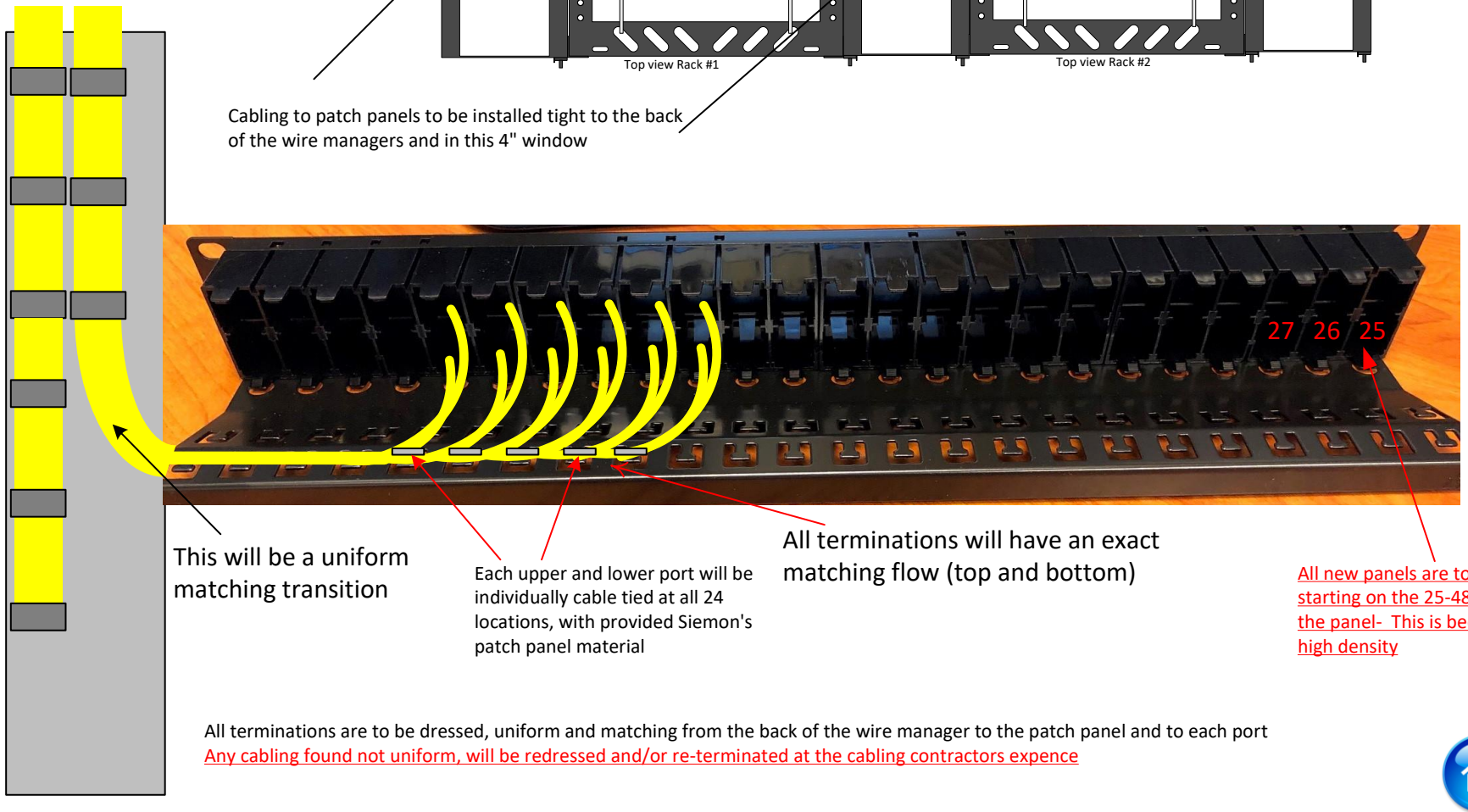
No other systems are to be installed in this space. If permission was granted it needs to be in proven UMMC/DIS approval email per piece of equipment.

UMMC has had issues in the past for a permitted wall mount rack that turned into 2 addition unauthorized 2 post floor mounted 7' racks.

MAIN MENU

All 48 cables for the patch panels will be tight against the back of the wire manager & alternate from left to right as they terminate going down to the bottom of the rack





All terminations are to be dressed, uniform and matching from the back of the wire manager to the patch panel and to each port
Any cabling found not uniform, will be redressed and/or re-terminated at the cabling contractors expence

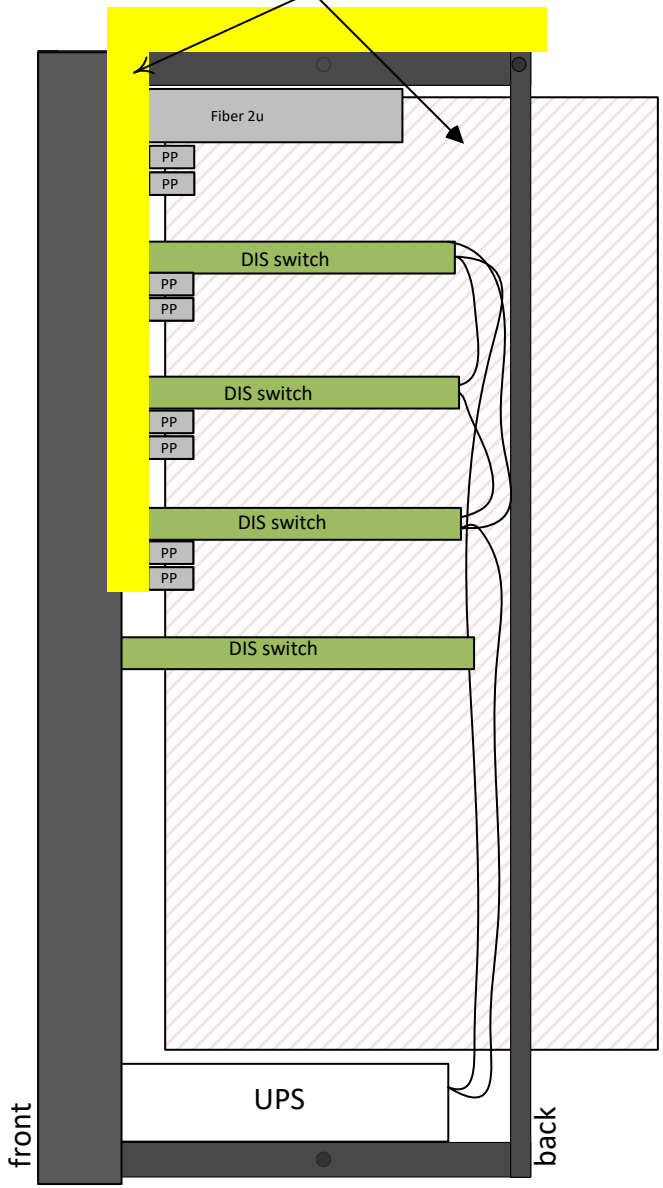
MAIN MENU

This zone to remain full open and not restricted by network cabling from both sides and back to give network team room

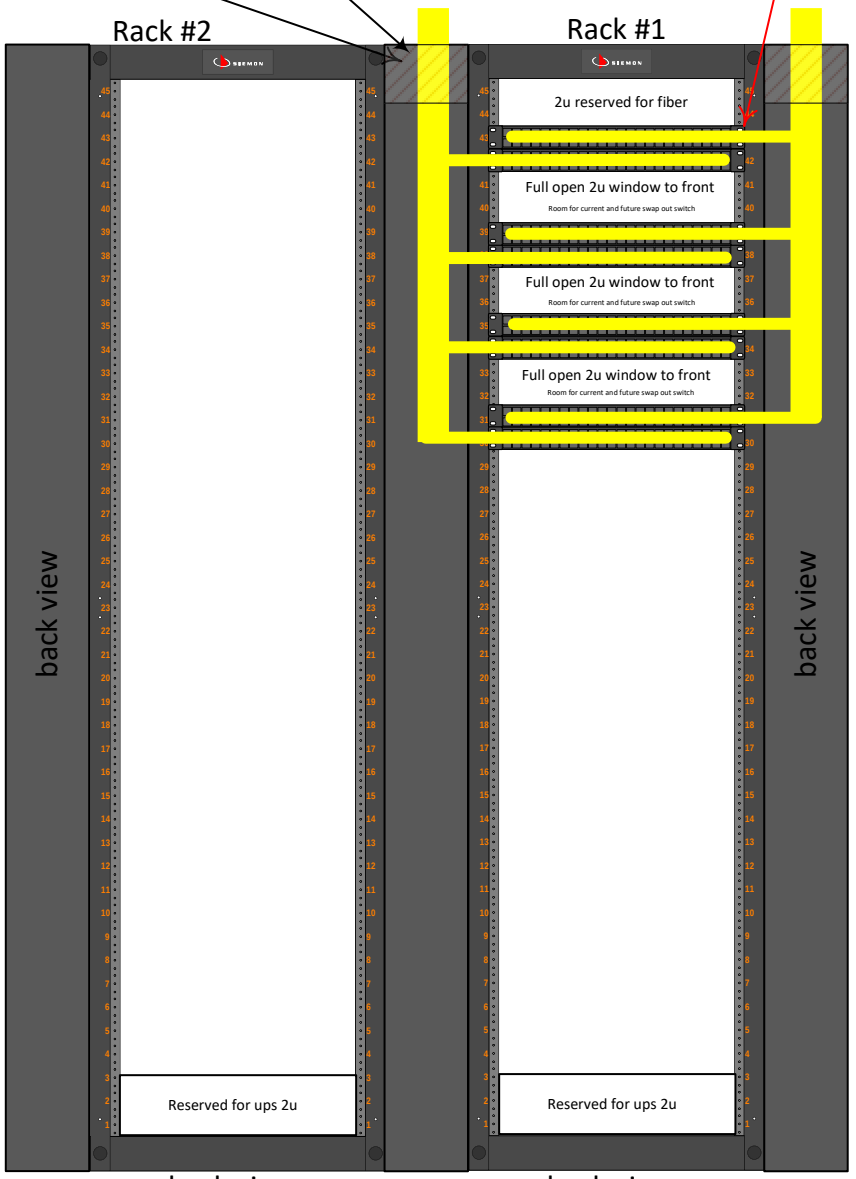
Cable is to come in from the top and be tied tight against the back of the vertical wire manager

To fall inside of the 4" square window

Start on the 3rd U down on left rack #1
Or 1U below existing panels. Please check all panels and use next letter



Side view

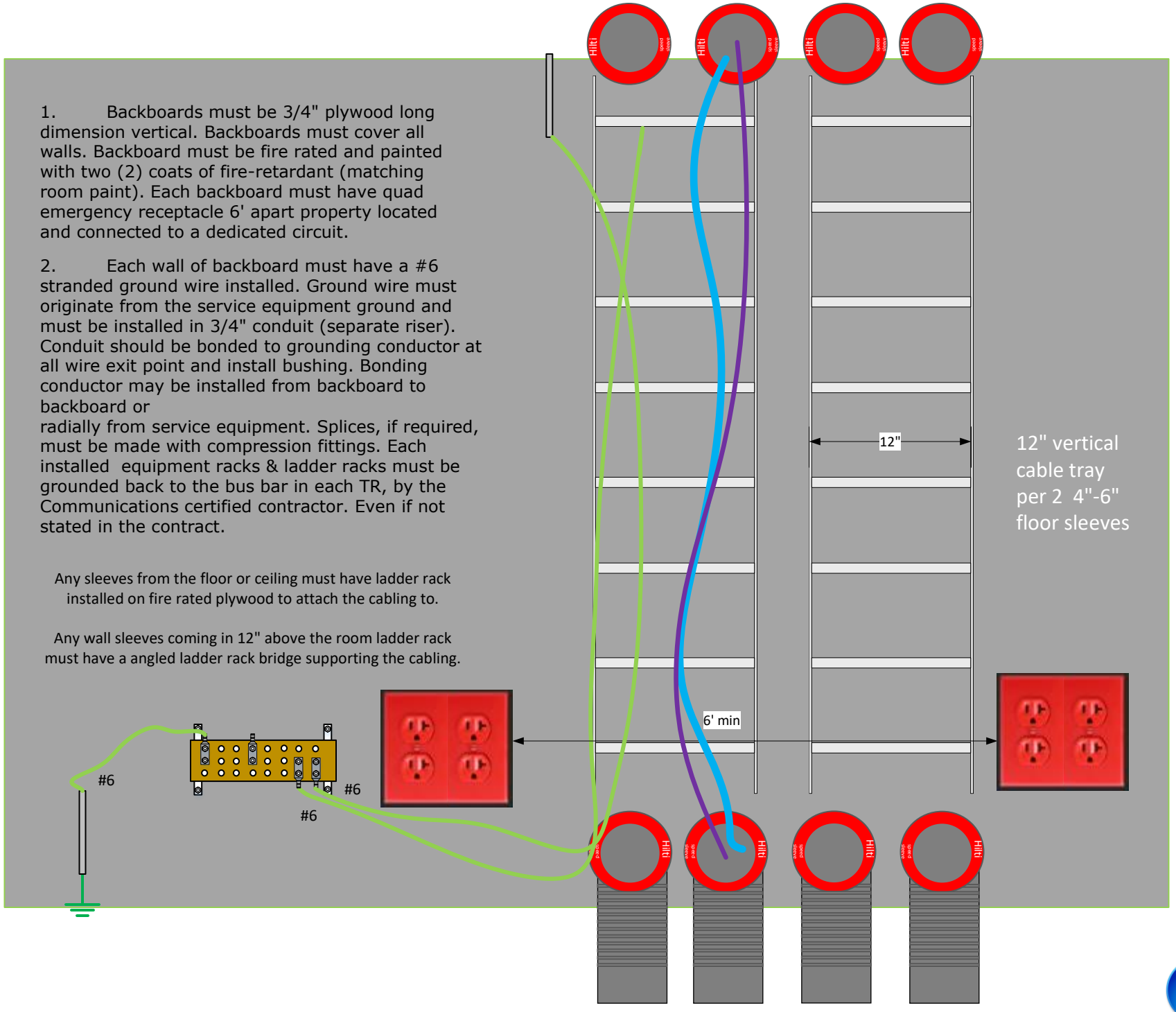


back view back view

The overall goal is to keep the fiber, copper and switch stack all in one simple rack. Rack #2 is for future expansion

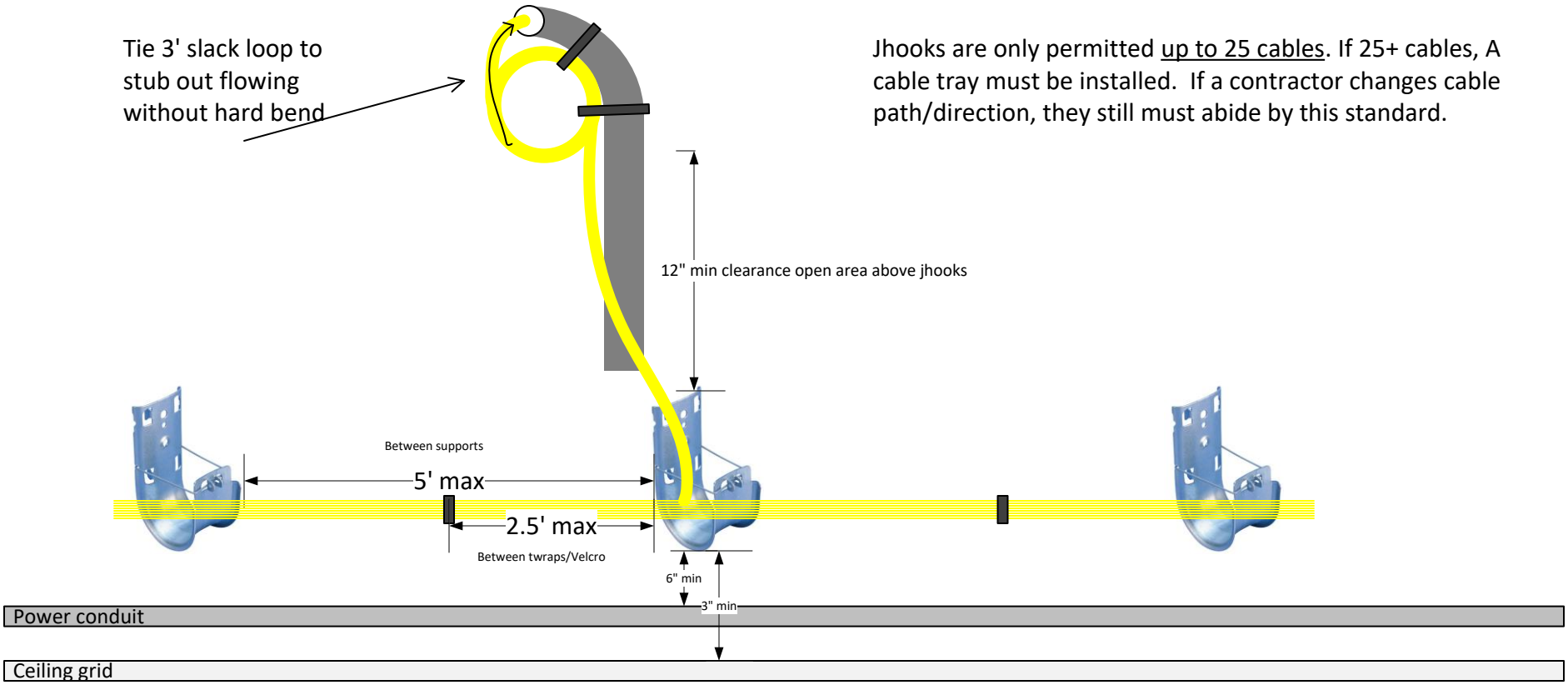
MAIN MENU

DIS Cabling should all come back to the 4 post rack. Ladder rack will need installed on backboards by floor cores to support riser cables passing through



All floor/wall penetrations to be hilti speed sleeves

MAIN MENU



In open ceiling cabling, cable supports must be provided by means that are structurally independent of the suspended ceiling, its framework, or supports. Non-continuous cable supports such as hangers and hooks shall not be spaced more than 1.5m (5ft) apart. At the mid point between cabling support shall be a tywrap or Velcro holding the cabling bundle together (J-hooks max out at 25 cables). Cabling pathways, spaces and metallic cables which run parallel with electric power or lighting must be installed with a minimum clearance of 50 mm (6 in). Attaching to any part of the fire sprinkler system is prohibited. Low voltage lighting control cable and other systems (HVAC controls) inside or attached to power EMT must have a 6" separation from regular network cabling, and not share same cable tray, j-hooks or fire sleeves.

All cable routes must be approved by UMMC DIS prior to installation of the cabling. No splicing can be inserted between the horizontal portion of the cross-connect in the TR closet.

In the TR closet where cable trays or cable racking are used, appropriate means of cable management must be used; i.e. reusable color-coded Velcro & cable tywraps (ties) to create a neat appearance and practical installation.

Cables routed in a suspended ceiling must not be draped across ceiling tiles. Open ceiling pathway systems must be mounted a minimum of 75mm (3 inches) above ceiling grid with a minimum of 300mm (12 inches) shall be provided above the open pathway system. All cables installed in wet locations shall be rated for that environment.

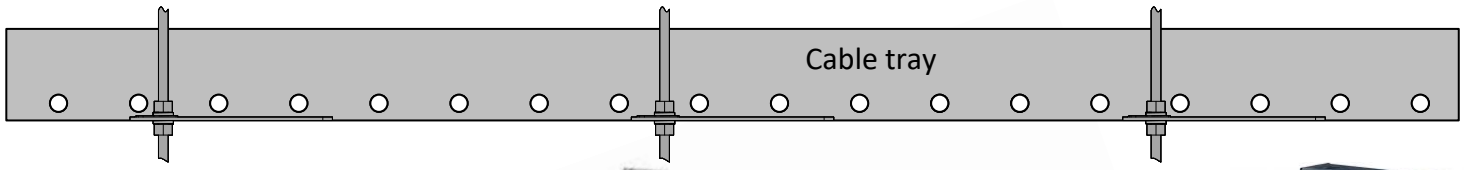
4.3.2.6 Slack

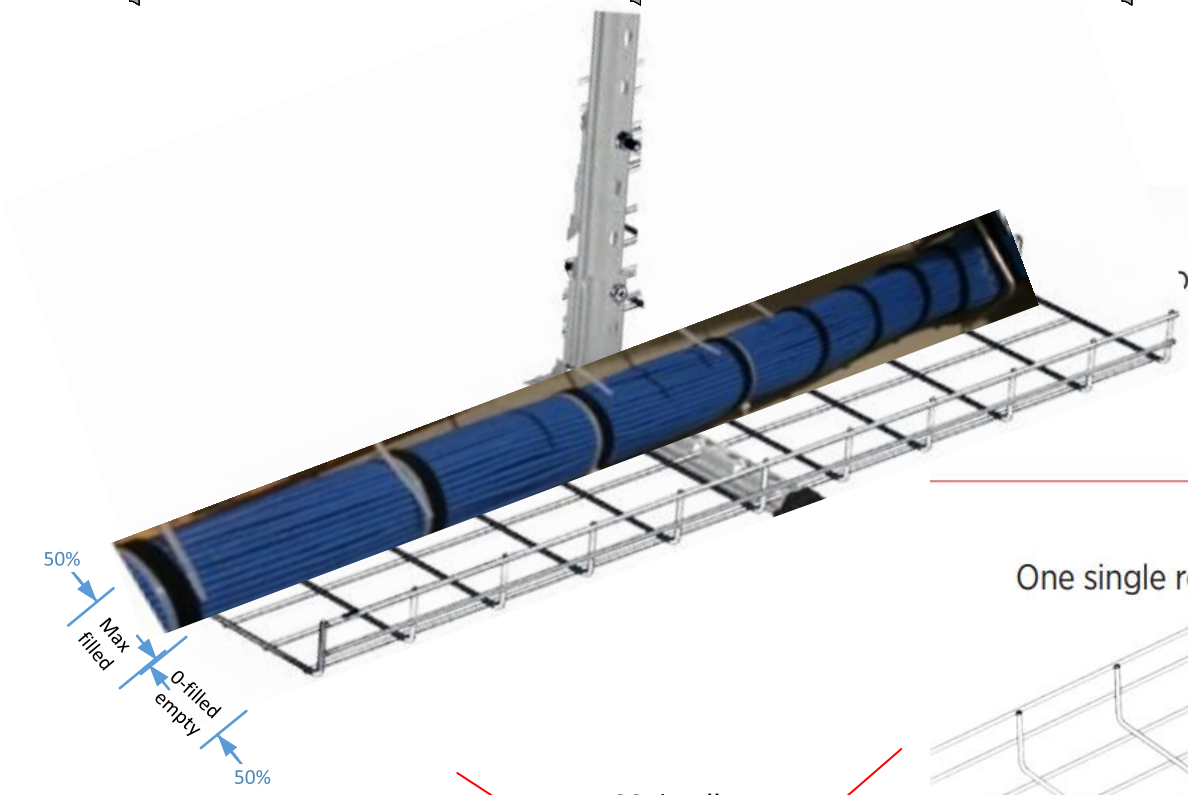
In the work area, a minimum 1m or 3ft. should be left for UTP cat 6, while 3 m (10 ft.) is left for fiber cables.
In TR's a minimum of 10ft of slack should be left for all UTP cables. A minimum of 25 ft. of slack should be left for all Fiber Optic cables. This slack must be neatly managed on trays or other support types.

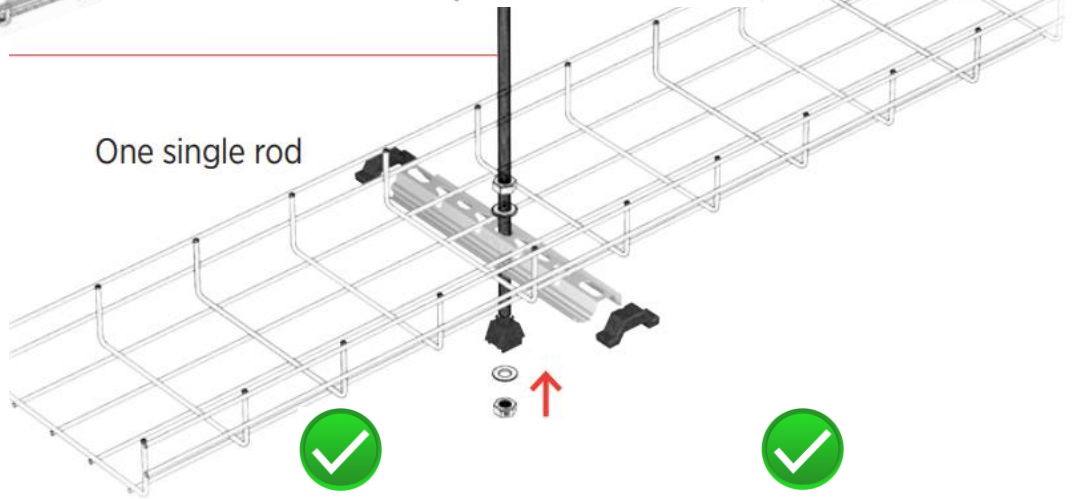
MAIN MENU

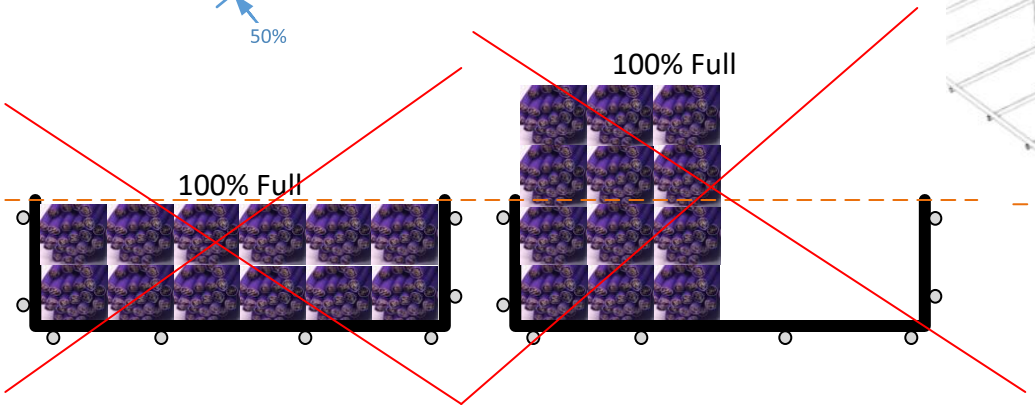
Any cabling pathway that exceeds 25+cables will need a cable tray support system (non jhook). The cabling tray must be large enough to not exceed 50% of the fill capacity during the construction project. The cable tray can be attached to the wall with manufactures approved brackets or suspended with all thread and unistrut.

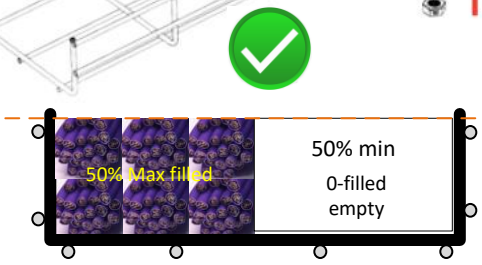
Minimum unobstructed Work area of 12" above and 18"side open area





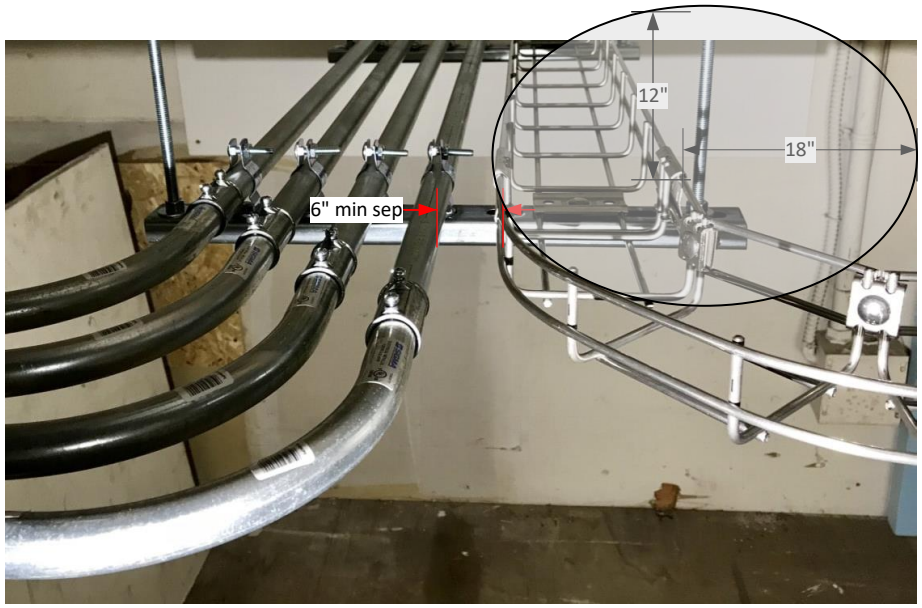






MAIN MENU

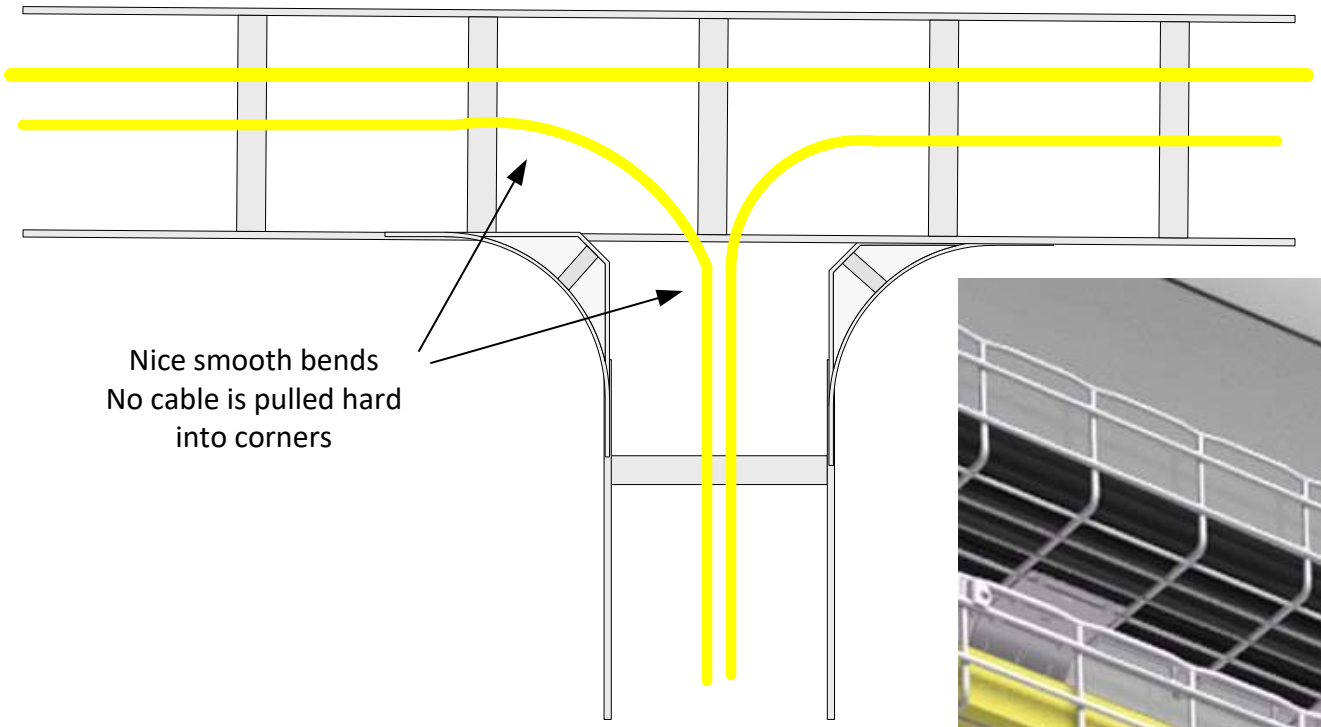
Cabling trays can share support with power, with 6" separation. Minimum unobstructed Work area of 12" above and 18"side open area



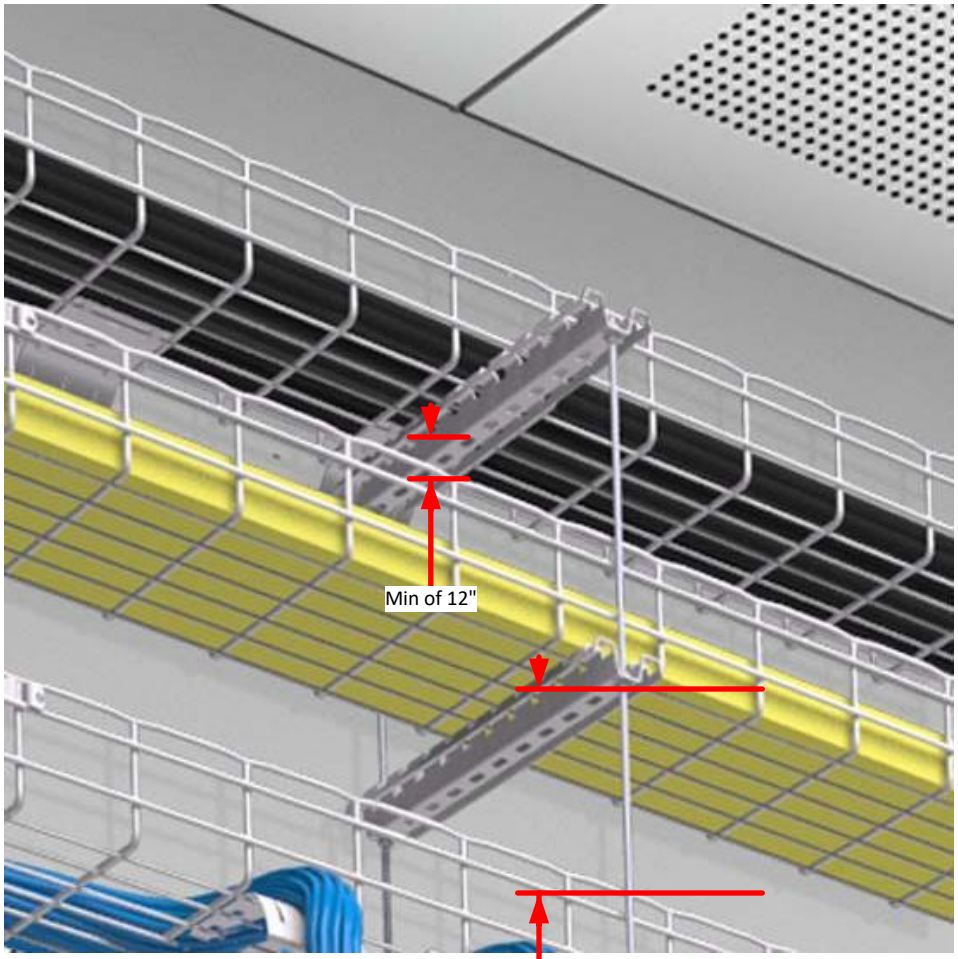
All Sharp edges must be removed during installation

MAIN MENU

Routing in cable trays



Nice smooth bends
No cable is pulled hard
into corners



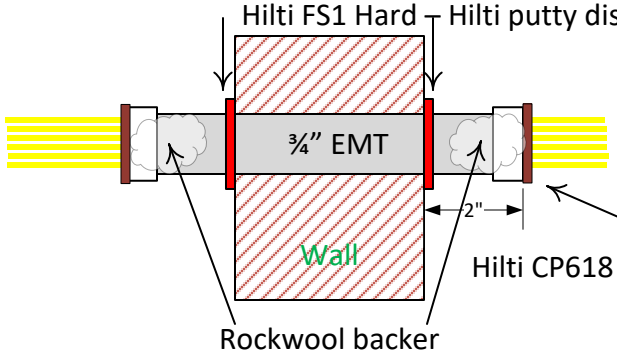
Normal standalone or stacking cable trays require 12" minimum clear open space above upper most highest part of the cable tray

MAIN MENU

All Walls / Floors Fire rated, smoke or other will have a sleeve for cabling

All new cabling installations fire wall penetrations are to be Hilti Speed sleeves
All Hallways will be 4" only
NO fire stop material needed for install or reuse

Hilti speed sleeve 2" for single room with more than 6 cables
NO fire stop material needed for install or reuse



Home made sleeve for single room 6 or less cat 6 cables
FS1 hard putty needed by wall

Hilti CP 618

Hilti FS1

No wall EMT penetration's above ¾ EMT pipe are allowed, must be hilti speed sleeve

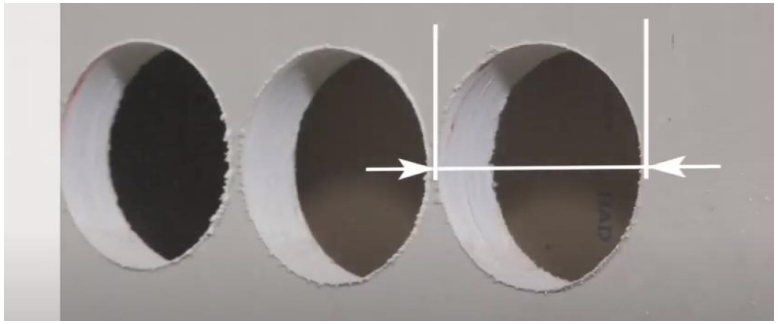
MAIN MENU

<u>All cable pathway walls, requires a +50% future growth rate</u>. This will be prepped for during the construction project
If 2 - 4" sleeves are required, 2 more sleeves must be placed for future growth.

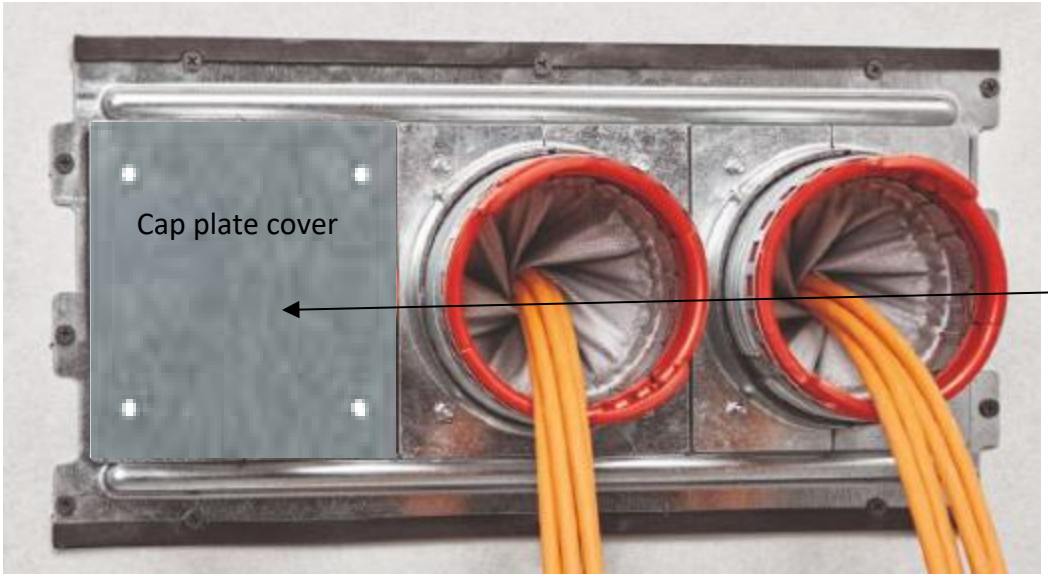
The only exceptions will be for ¾” and 2" SS going into small rooms

These plates are for 4" speed sleeve use.

CFS-SL plate is a mandatory installation to keep sleeves nicely aligned. All holes will be predrilled during plate installation, to make future speed sleeve install easier



CFS-SL GP



Installation video

Install future included sleeve collars on the back side of Cap cover plate

MAIN MENU

Grounding and bonding definition

Why the need for Grounding and Bonding
- Equipment Protection
- Satisfy Warranty Requirement
- System Performance
- Service Protection
- Personnel Safety

(code requirement – NEC/CSA/BS/IEC)

Grounding Definition:

Grounding, in its simplest form, is the process of connecting an electrically conductive object to ground (the earth). Bonding is the process of connecting conductive objects together to equalize potential differences between them. When something is grounded, it is connected to the planet and when something is bonded to another, they are connected together to electrically become one potential or as close to the same potential as possible (NEC 250.4). These two processes work in unison to provide safety for communications systems and property.

Connecting to an electrode (ground rod)

Section 800.100(B) requires the grounding conductor for communications systems to be connected to the same grounding electrode that the building electrical system is connected to. This ensures both systems and connected equipment are at the same ground potential. Attempting to install separate grounding electrodes and not bond them to the power system grounding electrode is not permitted by the NEC and creates unsafe conditions for people and property. A revision in the 2008 NEC requires an "intersystem bonding termination" be installed at the service location for connecting systems covered by Chapter 8. It is intended specifically for connecting communications systems' grounding and bonding conductors. Section 250.94 requires intersystem bonding terminations provide not less than three means of connecting grounding and bonding conductors of communications systems. Intersystem bonding terminations must be connected to the building power grounding-electrode system, so potential differences between both grounding systems are minimized.

The NEC article 100 and 250-70 defines bonding as:

"The permanent joining of the metallic conducting parts of equipment and conductor enclosures to assure and electrically conductive path between them that will ensure electrical continuity and have sufficient capacity to safely conduct any foreign current likely to be imposed to ground." ie: powder coated racks and ladder rack must have a cleaned surface for bonding.

The NEC Article 250-96 states:

"Metal raceways, cable trays, cable armor, cable sheath, enclosures, frames, fittings, and other metal noncurrent carrying parts that are able to serve as grounding conductors, with or without the use of supplementary equipment grounding conductors, shall be effectively bonded where necessary to ensure electrical continuity and the capacity to conduct safely any fault currents likely to be imposed on them. Any nonconductive paint, enamel, or similar coating shall be removed at threads, contact points, and contact surfaces or be connected by means of fittings designed so as to make such removal unnecessary."

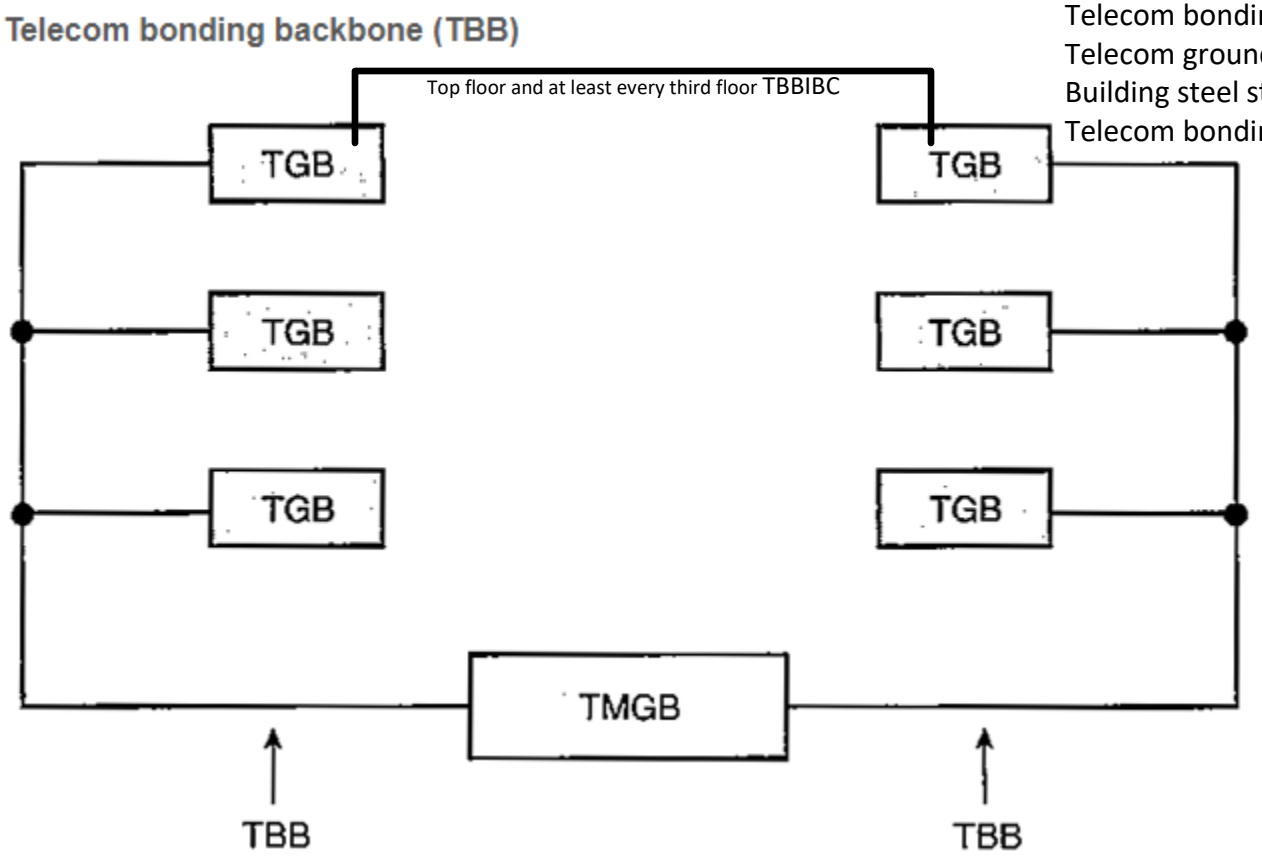
>> SUMMARY

Telecommunications grounding and bonding is additional grounding and bonding installed specifically for telecommunications. This is not a replacement for grounding and bonding specified by the National Electrical Code (NEC) but typically is additional to address telecommunications system performance.

The NEC is a comprehensive set of codes related to both electrical and communication cabling. Communication cabling is covered in Chapter 8 of the NEC and is titled "Communication Systems." Article 800 covers the installation of communication cables for telephone systems, telegraph systems, burglar alarm systems, and other central station systems.

MAIN MENU

Telecom bonding conductor
Telecom main grounding busbar (TMGB)
Telecom bonding backbone (TBB)
Telecom grounding busbar (TGB)
Building steel structure bond (BSSB)
Telecom bonding backbone interconnecting bonding conductor (TBBIBC)



The system begins at the electrical service entrance, travels to the TMGB and continues through to each TGB located in individual telecommunications closets on each floor of the building structure, finally looping back around to the original TMGB.

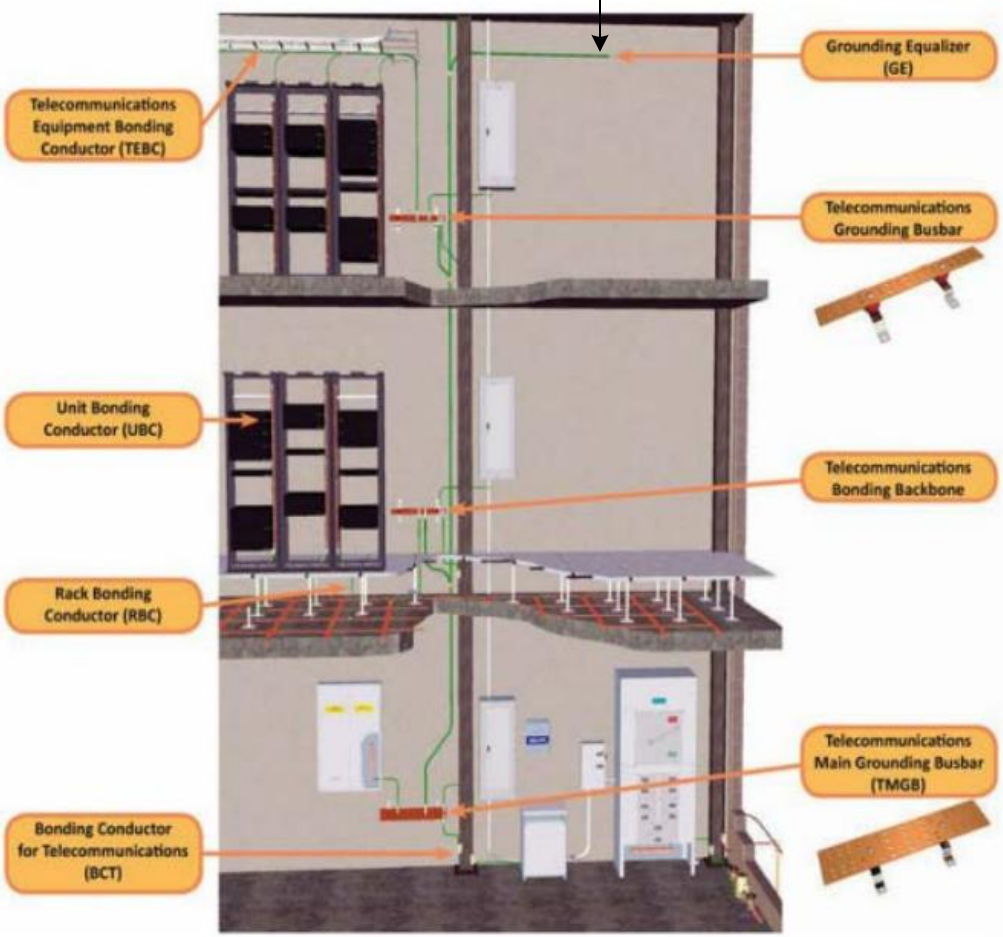
Each TBB should be an insulated copper conductor, a minimum of No. 6 AWG and possibly as large as 750 kc mil often used by telephone and communications companies. In a multi-story building where more than one TBB is used, the TBBs must be bonded together with a TBB interconnection bonding conductor (TBBIBC) located on the top floor and at least every third floor. -----Even if in a shell space the TBB must be placed IE: CCT 6 & 7 is shell space, but the TTB loop must be placed across top 7th floor on initial construction. Also in every shell location matching lower active floors TR's the TBB will have a slack loop.

Grounding and Bonding Risers 1/2

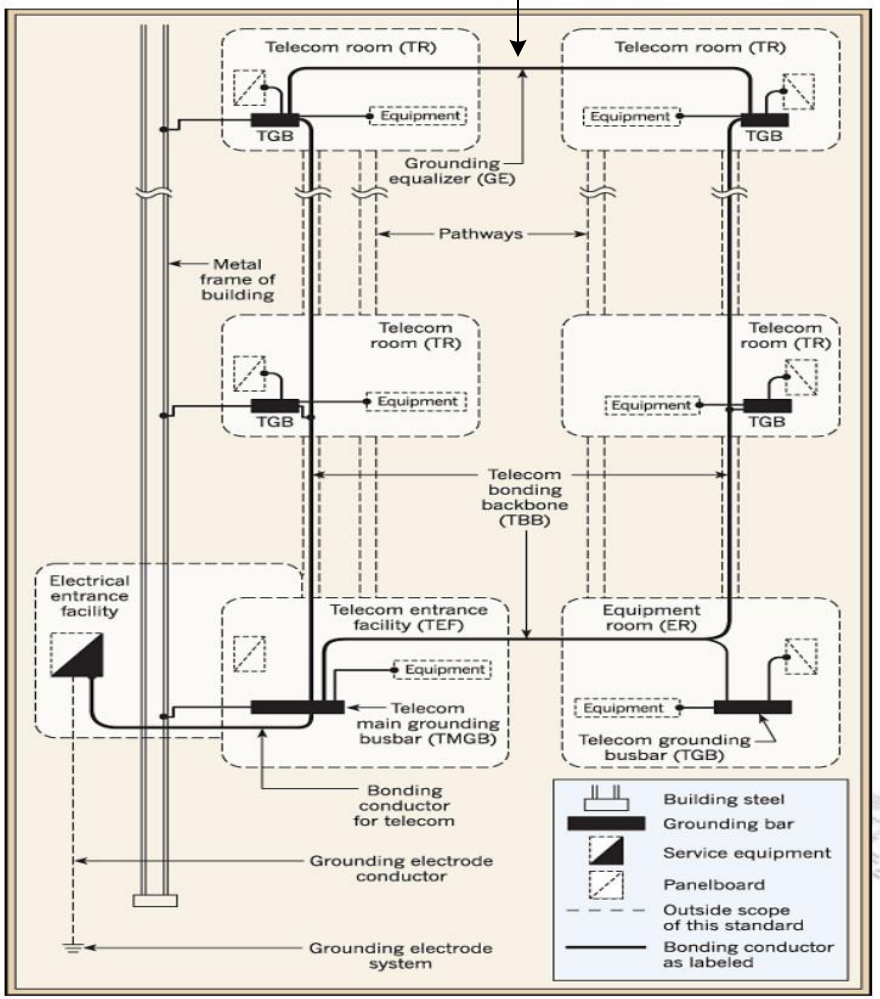
MAIN MENU

Bonding System ISO/IEC Referenced

top floor and at least every third floor TBBIBC



Main components of the telecommunications bonding and grounding system

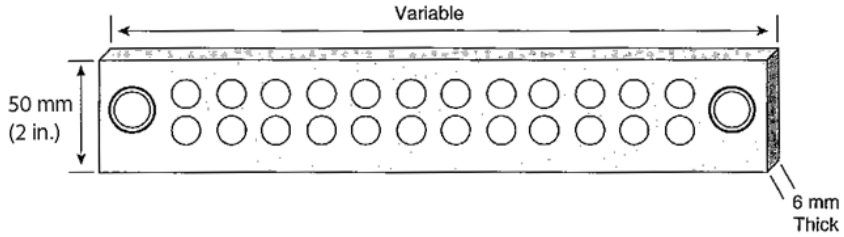


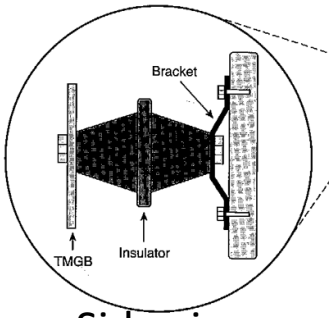
Telecom main grounding busbar (TMGB)
Telecom bonding backbone (TBB)
Telecom grounding busbar (TGB)
Building steel structure bond (BSSB)
Telecom bonding backbone interconnecting bonding conductor (TBBIBC)

Grounding and Bonding Risers 2/2

MAIN MENU

. Telecom Grounding Busbar (TGB)





Side view

Telecom bonding conductor
Telecom main grounding busbar (TMGB)
Telecom bonding backbone (TBB)
Telecom grounding busbar (TGB)
Building steel structure bond (BSSB)
Telecom bonding backbone interconnecting bonding conductor (TBBIBC)

A TGB is a predrilled copper busbar with standard NEMA bolt hole sizing and centrally connected systems and equipment served by a telecommunications closet. It should be at least 6-mm thick by 50-mm wide. Just like the TMGB, the TGB should be electrotin-plated or cleaned prior to connecting the conductors to the busbar. The bonding conductor between the TBB and the TGB should be continuous and run in the most direct path possible.

Often, the TGB is installed to the side of the panelboard. When the building's structural steel is effectively grounded, each TGB should be bonded to the steel within the same room with a No. 6 AWG conductor. Always use the shortest distance possible in the grounding system

The TGB in every TR will have 2 grounding sources
#1 TBB grounding riser from TMBG
#2 Separate building structural steel bond per floor
#3 an additional 3rd bond can be added to power ground

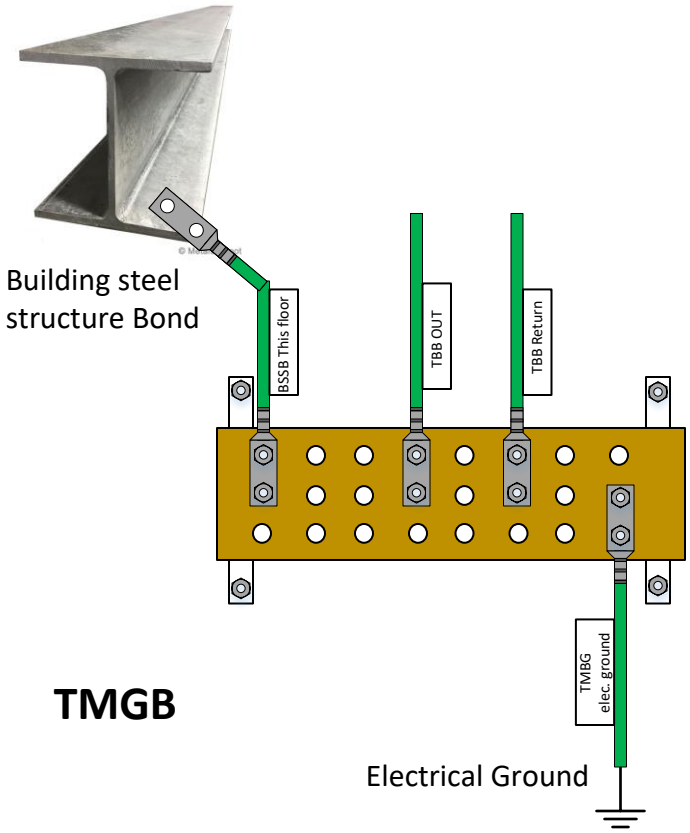
MAIN MENU

It is the full responsibility of the comm contractor to ensure **all telcom grounding and bonding** is completed correctly, even if it is not listed on their contract. This will not constitute a change order or relive the comm contractor from having the grounding or bonding installed correctly. If the TMGB is in the MDF TR, it will also have bonds to the racks in that room.

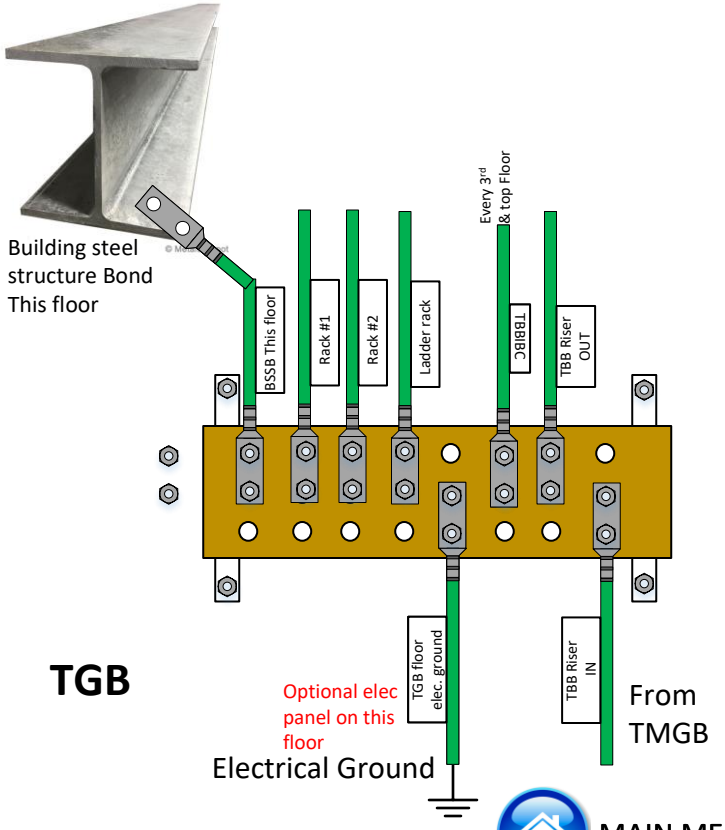
We have limited comm contractors working for UMMC and they know the grounding safety standards set by these UMMC DIS cabling standards. We want to ensure that all DIS TR's are in grounding compliance. This will be new and existing construction + new construction area cabling feeding to a existing TR outside of the construction area.

This is a mandatory double check list ensuring all warrantees and safety for grounding/bonding is complete.

Comm Contractor Grounding / Bonding check off list		
Telco Main Ground Bar	Ok & labeled	Not completed
TMGB is installed		
TMGB has an Electrical Ground bond		
TMGB has separate Steel structual bond		
TMGB has proper AWG wire IN/OUT		
TBB riser has first riser leg out		
TBB riser has Last riser return leg		
ALL connection are machine labeled		
Telco Ground bar (each TR)		
TGB is installed		
TGB has an TBB (back bone)		
TGB has separate Steel structual bond		
TGB has option elec ground		
TGB has proper AWG wire IN/OUT		
TGM riser has TBB riser leg in		
TGM riser has TBB riser leg out		
TGM riser has TBBIBC (3rd and top floor)		
ALL connection are machine labeled		



TMGB



TGB

MAIN MENU

Grounding / bonding cable AWG size needed over listed distances

TIA 607-B & ISO/IEC 30129

Maximum TMGBB (PBB) to TGBB (SBB) Length (L) meters (feet)	Conductor cross-sectional area (minimum)	
	Nominal Int'l Conductor (mm2)	Nominal AWG Conductor
L ≤ 4m (13ft)	16	6
4 < L ≤ 6m (14 – 20ft)	25	4
6 < L ≤ 8m (21 – 26ft)	35	3
8 < L ≤ 10m (27 – 33ft)	35	2
10 < L ≤ 13m (34 – 41ft)	50	1
13 < L ≤ 16m (42 – 52ft)	60	1/0
16 < L ≤ 20m (53 – 66ft)	70	2/0
20 < L ≤ 26m (67 – 84ft)	95	3/0
26 < L ≤ 32m (85 – 105ft)	120	4/0
32 < L ≤ 38m (106 – 125ft)	150	250 kcmil
38 < L ≤ 46m (126 – 150ft)	150	300 kcmil
46 < L ≤ 53m (151 – 175ft)	185	350 kcmil
53 < L ≤ 76m (176 – 250ft)	250	500 kcmil
76 < L ≤ 91m (251 – 300ft)	300	600 kcmil
Greater than 91m (301ft)	400	750kcmil
For lengths in excess of those shown above, the conductor cross-sectional area should be calculated as 3.3mm2/m or 2kcmil/ft.		

MAIN MENU

Camera Systems

From a UMMC/DIS cabling standpoint, This is just another copper network connection.
These connections fall under the standards as all cat 6 cables

UMMC only allows the installation of AXIS IP based cameras

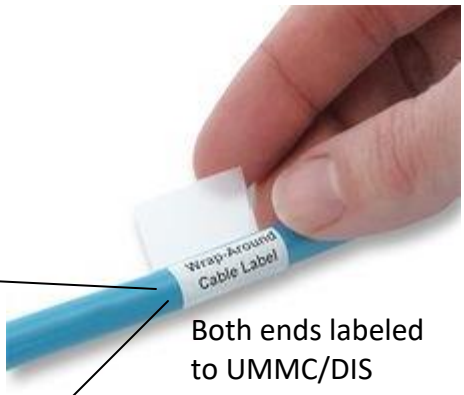
JCI provides a full turn key solution and equipment only solution.

UMMC/DIS has in a lot of cases been installing the infrastructure for the camera systems.
Also currently Keith Rawls with DIS imports the cameras into the milestone system.

All cat6 network drops including IP camera cables are to be:

#1 pulled with certified Siemon's sol 6 CMP plenum cable.
#2 terminated on at DIS network patch panel
#3 labeled both ends with a Brady wrap around label to DIS standards
#4 Tested with fluke DSX-8000 to specs

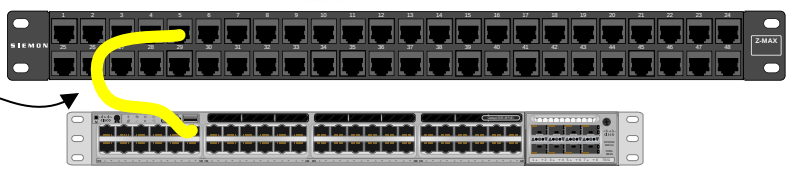
RJ45 head is acceptable if certified by the fluke testers



Both ends labeled to UMMC/DIS standards

Cable must be terminated on patch panel

Z6-P snap-in



Patching is only allowed by UMMC/DIS
And also noted and billed back to the dept

MAIN MENU

Nurse call Systems

From a UMMC/DIS cabling standpoint, Only 1 network connection from the main cabinet per system/floor is brought back to the dis network. This is just another copper network connection. These connections fall under the standards as all cat 6 cables
All nurse call cabling network and controller cable are to be dressed out 100% in all DIS closets with Velcro

Sound and Communications provides a full turn key nurse call solution

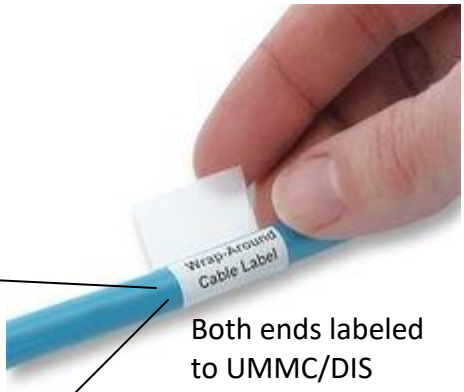
UMMC/DIS has nothing to do with the installation, but are mandating they terminate and label all network connections and keep their wiring neat and professional

Long patch cords are not excepted, and a network feeder cable must installed and terminated on the patch panel.

All cat6 network drops including NC network feed cables are to be:

#1 pulled with certified Siemon's sol 6 CMP plenum cable.
#2 terminated on at DIS network patch panel
#3 labeled both ends with a Brady wrap around label to DIS standards
#4 Tested with fluke DSX-8000 to specs

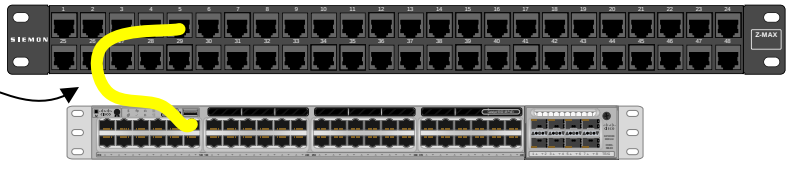
RJ45 head is acceptable if certified by the fluke testers



Both ends labeled to UMMC/DIS standards

Cable must be terminated on patch panel

Z6-P snap-in



Patching is only allowed by UMMC/DIS
And also noted and billed back to the dept

MAIN MENU

Access Control

From a UMMC/DIS cabling standpoint, Only network connections from the main cabinet per system/floor is brought back to the dis network. This is just another copper network connection. These connections fall under the standards as all cat 6 cables

All AC cabling network and controller cable are to be dressed out 100% in all DIS closets with Velcro.

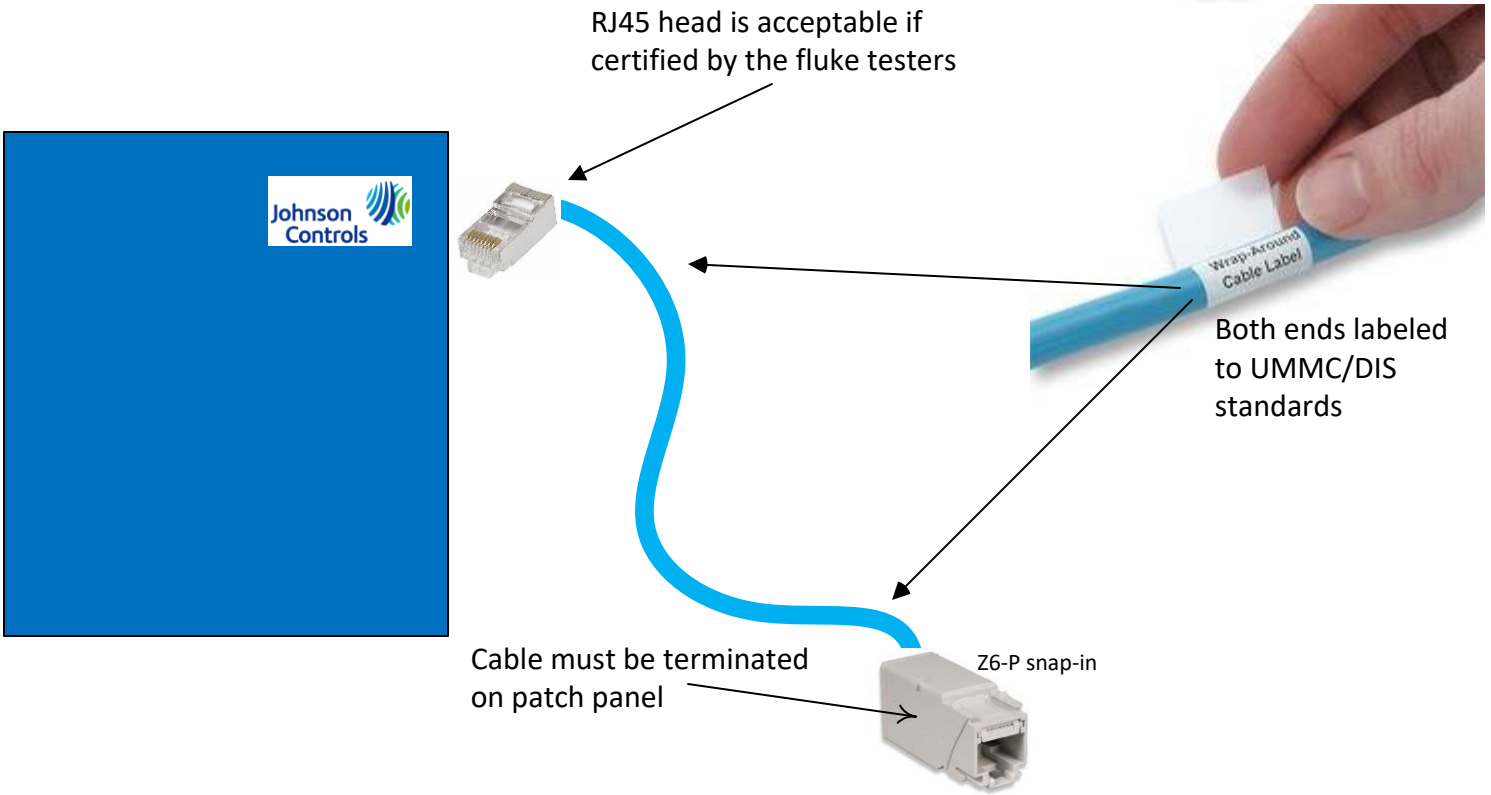
JCI provides a full turn key Access Control system

UMMC/DIS has nothing to do with the installation, but are mandating they terminate and label all network connections and keep their wiring neat and professional

Long patch cords are not excepted, and a network feeder cable must installed and terminated on the patch panel.

All cat6 network drops including AC network feed cables are to be:

#1 pulled with certified Siemon's sol 6 CMP plenum cable.
#2 terminated on at DIS network patch panel
#3 labeled both ends with a Brady wrap around label to DIS standards
#4 Tested with fluke DSX-8000 to specs



MAIN MENU

Overhead Paging

UMMC has upgrade the overhead paging to Valcom IP. This is currently a hybird system that will allow us to place IP receivers at current old 70v amps and also direct send out to Valcom IP Speakers.

UMMC is no longer allowing the older 70v systems to be installed. Only Valcom oneway IP – POE speakers are allowed for overhead Paging. DIS-wiring will program all new IP speakers to their existing setup with the VIP-102b Valcom IP software.

Contractors can drop off the Speakers to DIS-wiring for Programming and labeling and then pick them up for final installation. The alternative is to install the new IP speakers and then provide a as-built floor plan and excel spread sheet of the speaker MAC address and exact locations.

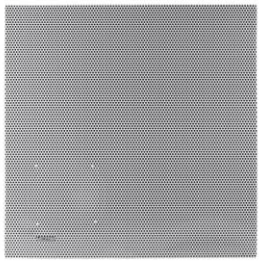
Contractors have a option of 8" cut in or full 2' x 2' drop in Valcom IP speaker

RJ45 head is acceptable if certified by the fluke testers

VIP-120A

IP 8-Inch Round Ceiling Speaker Secure, One-Way

VIP-402A

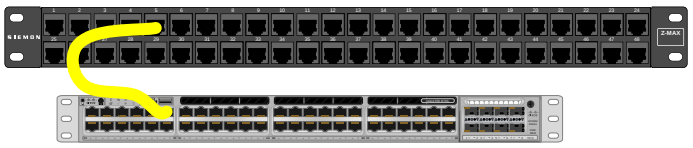


IP Lay-In 2' x 2' Ceiling Speaker with Backbox, One-Way Secure

Both ends labeled to UMMC/DIS standards

Cable must be terminated on patch panel

Z6-P snap-in



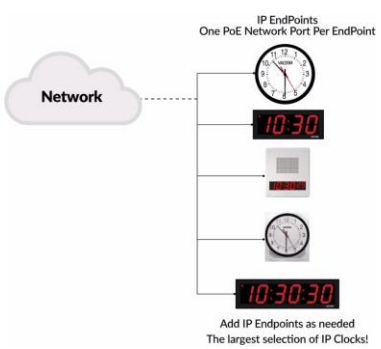
MAIN MENU

Digital Clocks Valcom IP only

UMMC has in the past used digital Simplex clocks across campus. These older clocks needed a head end, 110v AC power and 24V DC interconnections cable. We are now migrating all the old Digital clocks over to Valcom IP POE based 4 digit 4" digital clocks. The new clocks only need a network connection with POE power, like wireless access point. The clocks are updated nightly with multiple time servers and same Valcom software that controls the IP overhead paging

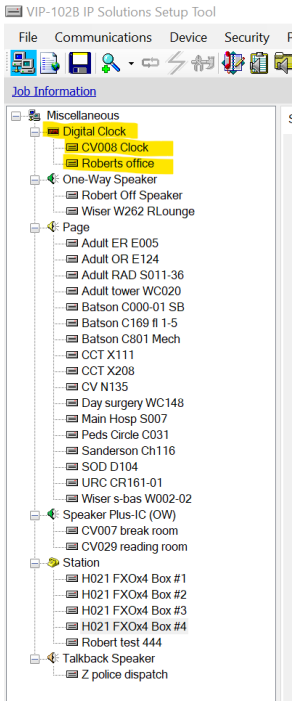
Contractors can drop off the Valcom IP clocks to DIS-wiring for Programming and labeling and then pick them up for final installation. The alternative is to install the new IP clocks and then provide a as-built floor plan and excel spread sheet of the speaker MAC address and exact locations.

Contractors have a option of flat wall or sidemounted dual face clock



IP Clocks

Each IP clock or IP Clock with speaker simply plugs into a PoE network switch. All communications and power is provided with this single PoE port which makes installation fast and simple. Set-up and programming is software controlled and managed. All clock correction is controlled by Network Time Protocol (NTP). Options include every time zone, off-set time for special applications, analog face, and digital face with hours and minutes or hours, minutes, and seconds. Clock + speaker combo devices only require a single network PoE port and function as both an intercom speaker and one-way public address broadcast. Many different styles, sizes, and types are available. IP clocks can be used stand alone, or included in public address and intercom systems. Static and DHCP are both supported and can display in many different formats including military style. Daylight savings time can be automated or turned off in areas such as Puerto Rico, Arizona, Hawaii, Northern Marina Islands, U.S. Virgin Islands, American Samoa, and Guam in which DST is not observed.



VIP-D440A

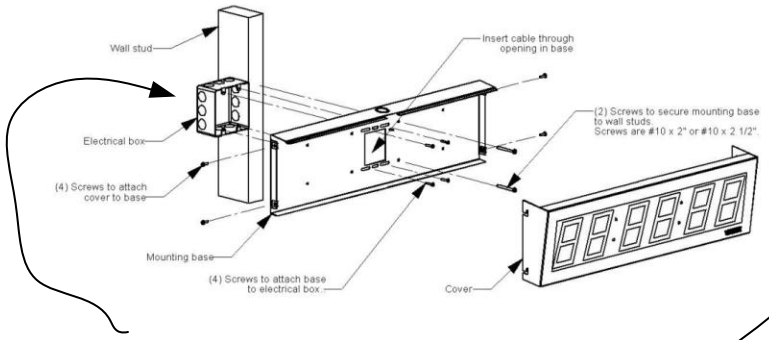
Single flat wall

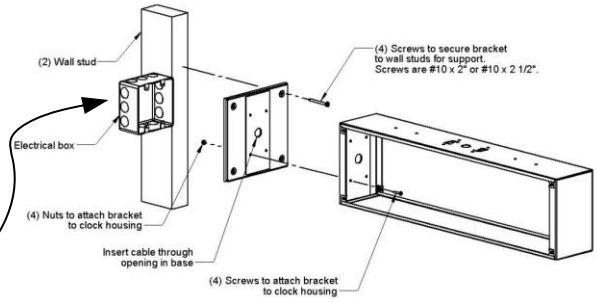
IP PoE Digital Clock, 4.0-Inch, 4-Digits

VIP-D440ADS

Dual face clock

IP PoE Digital Clock, 4.0-Inch, 4-Digits, Double-Sided





Preconstruction will require double gang box installed along with 1 Siemon's cat 6 network cable inside same box
Single or dual face installation

Mounting base and clock is part of the package when you buy

MAIN MENU

Fire alarm systems understanding

All of the fire warning and prevention system is directed/maintained by UMMC Environ Health & Safety. Currently installed by JCI Fire control (old simplex corp)

DIS has nothing to do with or is responsible for installations, inspection or maintenance of the fire system. UMMC facilities has a shared/private fiber backbone linking all of the fire nodes together across campus on old DIS MM fiber. Over the years Environ Health & Safety was allowed to ride on the existing/spare DIS fiber network. No standards were ever set. Currently DIS is switching to all SM fiber and removing all old MM fiber. All new fire alarm fiber is to be SM and ran node to node direct. New fire alarm fiber is not to appear in DIS TR closets. All new or upgraded nodes SM connections are to be fully separate from DIS fiber and covered under the construction budget. This full route will need to be fully designed by architect, elec engineer and Environ Health & Safety. Robert Hungerford will assist with the design, if help is needed. This is for both Fire data and Fire audio fiber.

Years of bad fire fiber patching and no labeling has left the fire fiber back bone hard to manage. In some cases the fiber fire alarm data / audio crosses the same DIS closet 10+ times. A lot of times DIS wiring and JSI Comm has been asked to step in and fix issues. This is extremely hard fixing multiple bad contractor installations with no labeling.

With all of this in mind and Environ Health & Safety / facilities has no fiber optic experience, So DIS wiring has stepped in to help fix future installations. DIS does hours of layout work and understanding of how the system works. At no time does DIS take responsibility for Environ Health & Safety node connections

#1 The fire alarm nodes data are connected Copper or MM or SM feeding each node.

- old school metallic
- -MM can be duplex/simplex
- -SM will be simplex

#2 The fire alarm Audio is all MM fiber feeding to about 75% nodes

- -separate small audio fiber converter box in node box
- -MM will be duplex

Both are on separate private fiber and are not matching in the same direction. This is very confusing, because they all have their own unmarked paths.

The fire data needs to be a full loop back to the starting node

The fire audio is one direction only and I have failed trying to cut in the middle.

If a new node is installed a min of 12 fibers to both the before and after node is required + addition fiber if the nodes connecting to do not have audio fiber.

I had to move the Main NVCC and Main Audio announcer from old trailer #1 to the alumni mech room. While doing so I designed a standard labeling scheme on the following page.

ALL fire Alarm connections each end will be labeled with brady wrap labels and fiber cassettes / fiber boxes marked

Alumni House 3rd floor

LC / ST x2
Single fiber
BiDi

Fire alarm IN From: PS-2F (SON)

Fire alarm out TO: Office Annex

Fire alarm Channel A Audio out to: TSW

Fire alarm Channel B Audio out to: TSW

LC / ST

New wall box in alumni house mech room

TSW out to: Office annex

TSW out to: Office annex

loop

12 fiber MM 62.5 interlocking armor

12 fiber MM 62.5 interlocking armor

Alumni house 1st floor
EMT desk area
Fire computer area

Fire alarm panel out to: Fire computer

TSW out to: Office annex

3

LC / ST

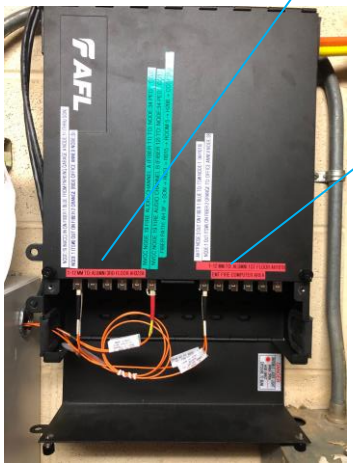
LC / ST

TSW out to: TSW

Fire alarm out to: Fire computer

TSW

New EMT desk area on 1st floor of alumni house



Fire alarm IN From: PS-2F (SON)

Fire alarm Channel A Audio out to: Node: 3A FSD

Fire alarm Channel B Audio out to: Node: 3A FSD

LC / SC

LC / ST

LC / SC

Fire alarm panel out to: TSW

NEW NVCC

NEW fire panel

Main audio annunciator out

Fire alarm AP out to: Fire alarm panel

Fire alarm in from: Fire alarm AP

Fire alarm panel out to: TSW

SC / SC

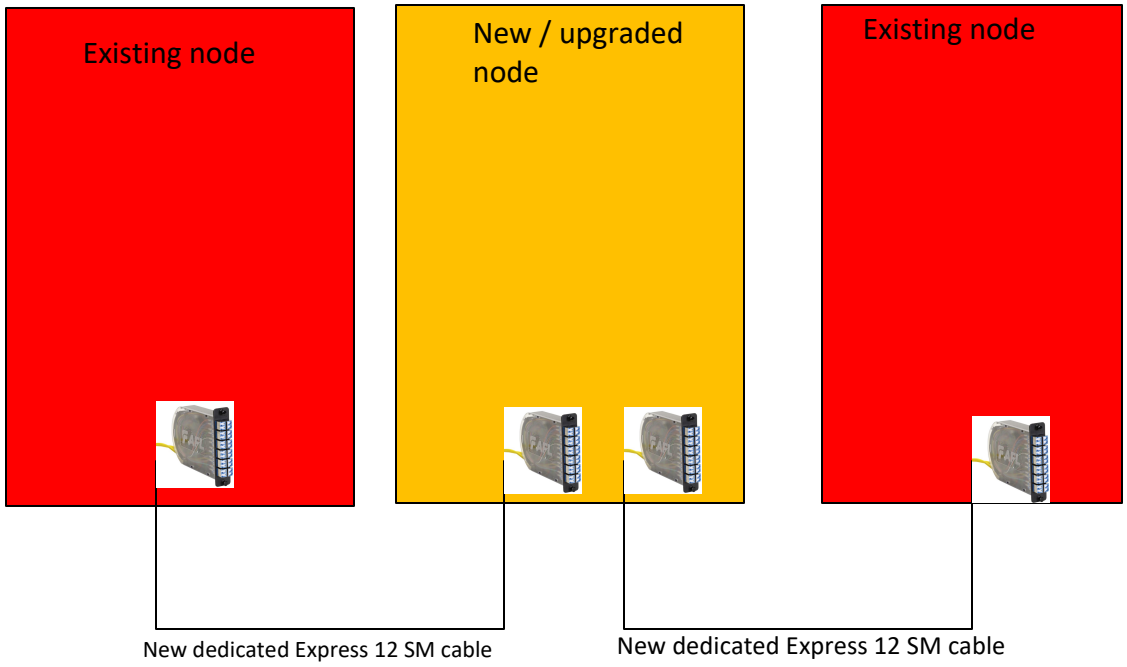
NODE:3

NODE:19

Fire / safety questions: EHScablingAs-builts@umc.edu

MAIN MENU

All new nodes installed / upgraded are to have direct dedicated 12 SM private non-patched fiber cable in each direction from the new node. This is done to prevent a safety issue of un-patching the safety system in DIS network closets. All patching will be in the locked node itself



All fiber connections on the dedicated fiber are to be fusion spliced in afl poli-mod fiber cassettes in the base/bottom of node. All patching will be from splice cassettes to the node fiber connection and labeled

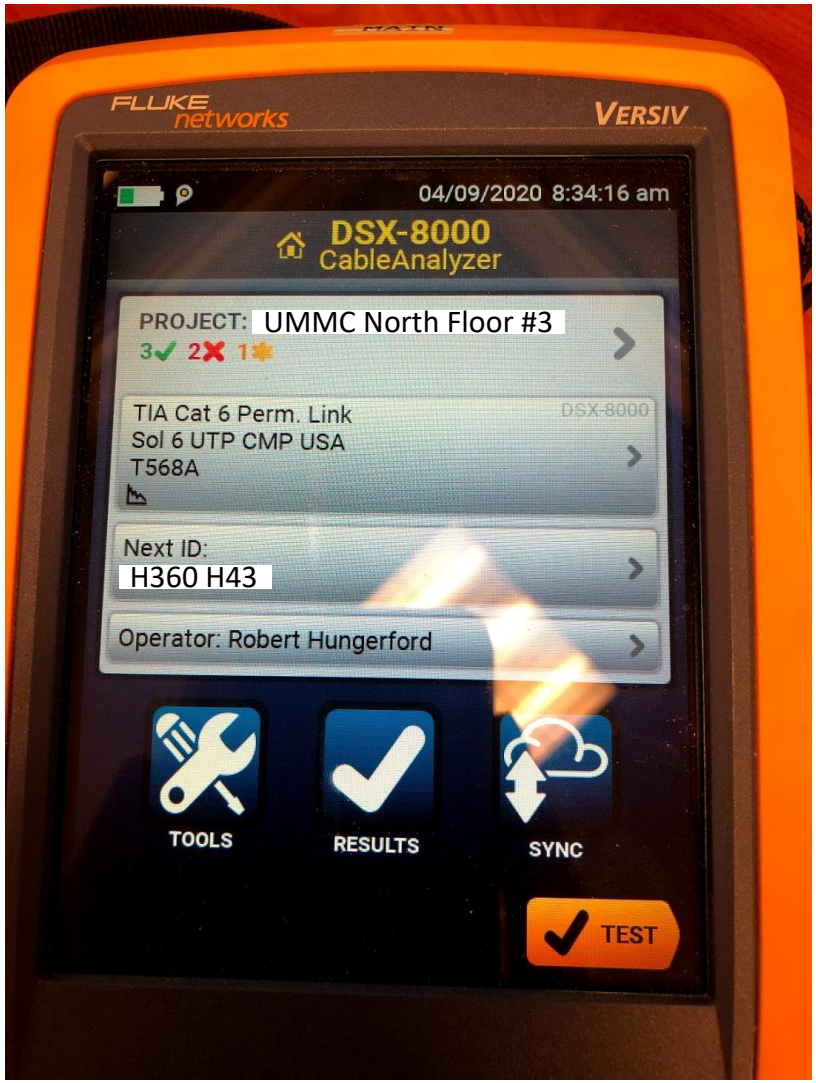
Optional to install 24 port lc cassette for opposing nodes or 2 – 12 fiber poli-mods

This is for fire alarm fiber only splice cassettes with LC built in shutters

MAIN MENU

How to properly take and submit certified fluke DSX-8000 test results

#1 Project name: Must have UMMC + building name + Floor to match certificate
#2 Cable type must be under Siemon's and SOL 6 selected
#3 certified Testers Name / Operator
#4 **T568A** wiring style selected
#5 The tester will be set to permanent link and link adaptors used only (All full tests)
#3 Each result: must have the TR + Panel Letter + Jack # to match the certificate
#4 If multiple TR's are involved, tests results are to be separated & certificates provided for each TR



DTX-1800 are EOL and results will not be excepted

MAIN MENU

All Siemon's certificates applied for will have the following information listed and separate certificates per TR

#1 UMMC
#2 UMMC Building name
#3 Building floor #
#4 DIS TR
#5 Dept
#6 Cable drop range certified on this certificate

No longer allowed, but at the time this install had voice jacks also

The certified contractor will have to submit the Fluke DSX-800 certified fluke cabling test results to Siemon's in the RAW non pdf version. This will have to be preformed with fluke linkware PC -- this program can download from fluke linkware live

Certificate of Registration

Presented by The Siemon Company

This is to certify that the Solution 6™

Siemon Cabling System® installed for

#1 #2 #3 #4 #5 #6

UMMC - Adult Towers 7th Floor Clinical Research WC-742-V01-22, A01-E-05

Of Jackson, MS

Has been designed, installed and tested in conformance with the requirements of the Siemon Cabling System® Training Manual and is warranted for a period of 20 Years from the date of issue.

Date of issue: *September 05, 2019*
Registration number: *190905-F-NA16142*
Authorized Installer: *Maze Communications*

On Behalf of The Siemon Company

SIEMON™
CABLING SYSTEM

MAIN MENU

Grounding/bonding check off list

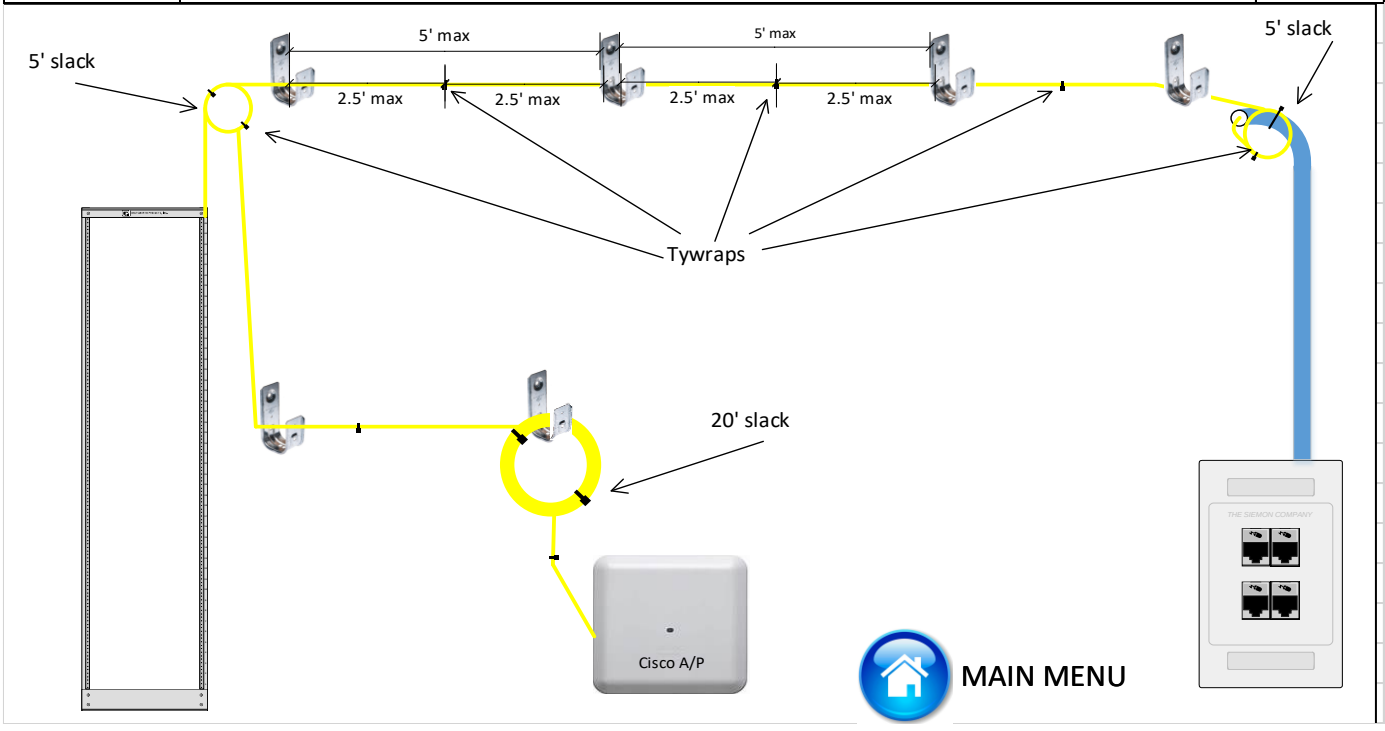
Comm Contractor Grounding / Bonding check off list new or existing TR		
Telco Main Ground Bar	Ok & labeled	Not completed
TMGB is installed		
TMGB has an Electrical Ground bond		
TMGB has separate Steel structual bond		
TMGB has proper AWG wire IN/OUT		
TBB riser has first riser leg out		
TBB riser has Last riser return leg		
ALL connection are machine labeled		
Telco Ground bar (each TR)		
TGB is installed		
TGB has an TBB (back bone)		
TGB has separate Steel structual bond		
TGB has option elec ground		
TGB has proper AWG wire IN/OUT		
TGM riser has TBB riser leg in		
TGM riser has TBB riser leg out		
TGM riser has TBBIBC (3rd and top floor)		
ALL connection are machine labeled		

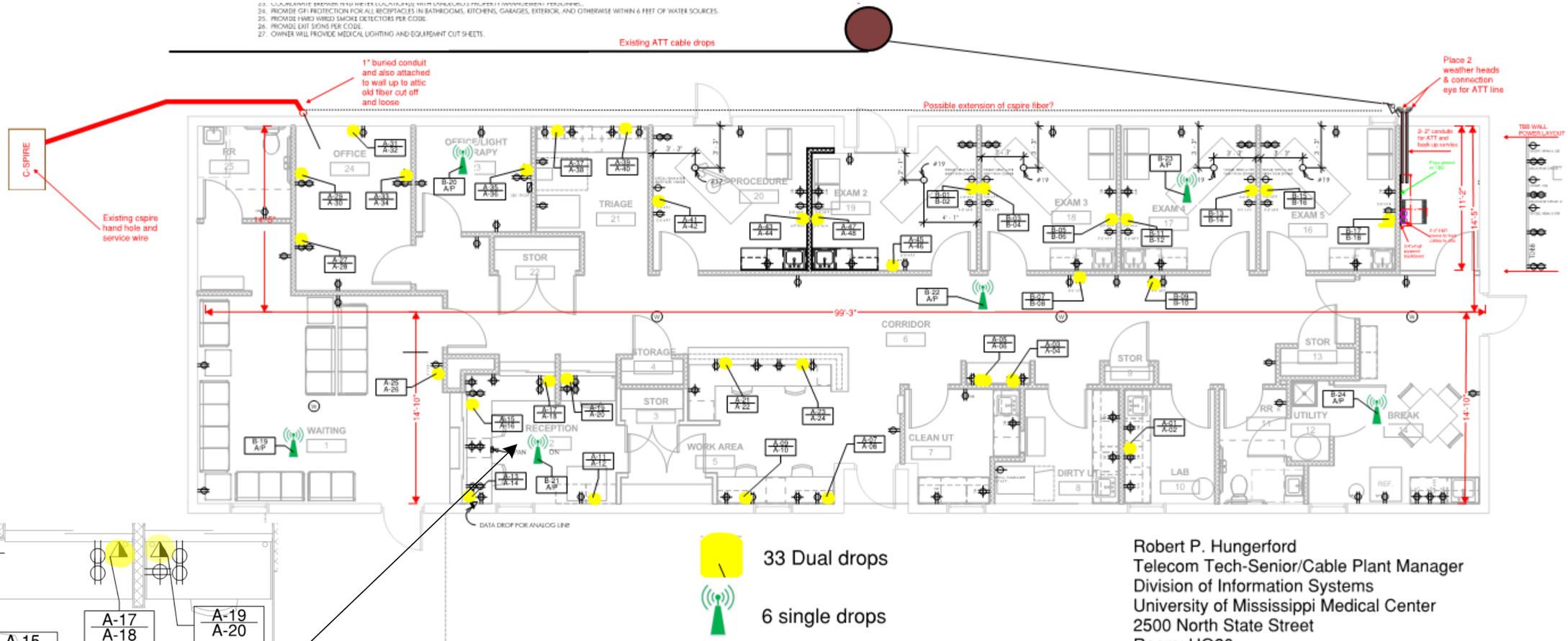
This check off list will ensure new or existing TR closets are properly grounded and labeled

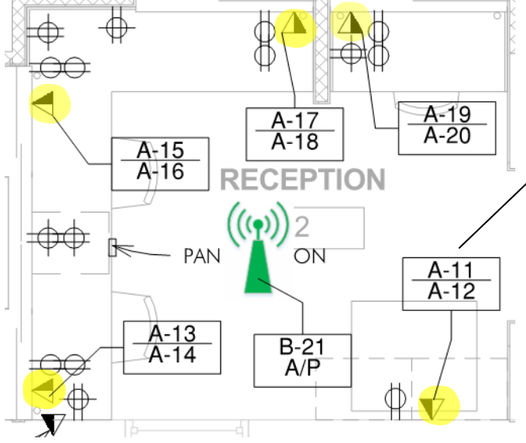
MAIN MENU

UMMC cable installation inspection form.

				Complete Check
	I have read the 7.0 UMMC DIS cabling standards			
Permits	Above ceiling / infectious control permits obtained			
every job:	This may need to be a scheduled meeting for sign-off			
	Please attach pre aquired permits to this form, or construction permits			
	or dated email waiver stating it was not needed			
	Jeff Pinter: jpinter@umc.edu	AND	Shelia fletcher: sfletcher2@umc.edu	
Pathways:	All cabling supported in J-hooks within 5' and tywraped every 2.5' (under 25 cables)			
	over 25 cable path is in a cable tray			
Slack loops:	A 10' slack loop installed near the rack and 5' loop near the faceplate			
	20' slack loop for A/P's			
Fiber:	All fiber LC connectors are to be fusion spliced			
	fiber is to be fusioned spliced in AFL ascend LC fiber cassettes			
	factory terminated fiber pigtails or splice on connectors are allowed			
labeling:	3 labels per cable			
cable	cable is to have a brady wrap around label within 6" of termination (both ends)			
Jack/FP	TR # / Panel letter or # / Patch Panel port (1-48)			
Patch Panel	current or next letter only// some areas next panel # (use factory imprinted 1-48)			
	Z-max jacks and Z-max 1u HD snap-in patch panel is required			
Grounding	Each -- Rack / wall mount cabinet / cable tray			
	If not in your contract--Please insure grounding is completed			
	Please also fill out grounding check off list			
Fire stopping	All cabling only hilti speed sleeves are allowed			
	Your pictures and final inspection by Jeff pinter's team/ signed off			



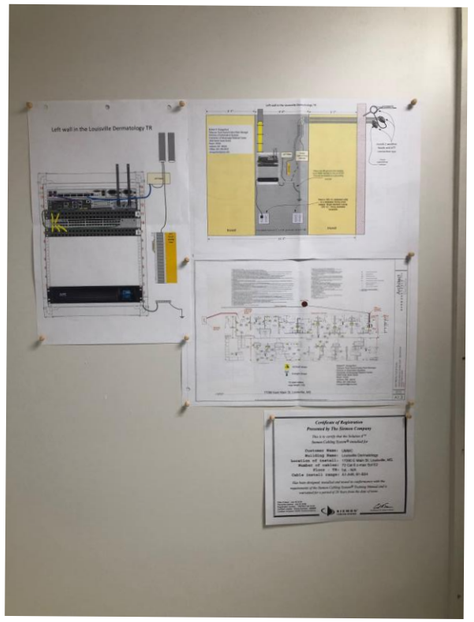


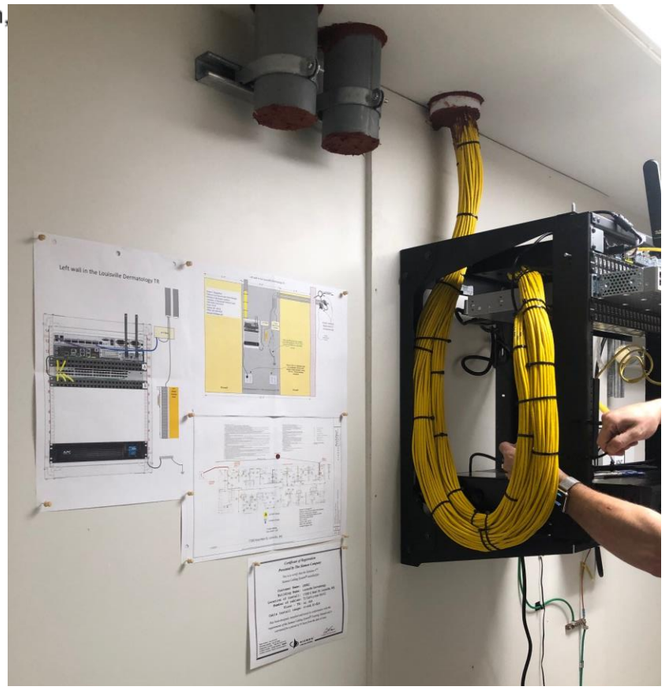


Robert P. Hungerford
Telecom Tech-Senior/Cable Plant Manager
Division of Information Systems
University of Mississippi Medical Center
2500 North State Street
Room: HO20
Jackson,

All asbuilts are to be electronic and printed in large scale and hung inside of TR on the wall

Acceptable electronic as-builts are in AutoCAD or PDF format that is able to be edited by UMMC/DIS





Please also mark up all firewall penetrations and email them to UMMC fire safety at:

EHScablingAs-builts@umc.edu

MAIN MENU

All contractors have to be Siemon's certified to do Installation work at UMMC and provide a 20 year Siemon's warrantee on all installations.

When any installation job is complete the following is required to be turned into **DIS wiring direct** regardless if you work direct for UMMC or under a contractor. This is to be turned in as a package. The only exception is proof of applying for a Siemon's certificate. This paperwork is due emailed to dis wiring 2 weeks before the go-live date.

#1 Full fluke dsx-8000 fluke certified test results
#2 Electronic AutoCAD or PDF editable asbuilts
#3 Full size asbuilt 36" x 48" is to be printed and placed on each TR wall
#3 UMMC installation check off form
#4 UMMC grounding check off form
#5 Siemon's certificate
#6 Pictures of Bonding/Firstopping

Please email paperwork to: DIS-Wiring@umc.edu

Change orders are expected, but the core Job paperwork will be due on time Regardless

Working requirements for contractors while on all UMMC locations

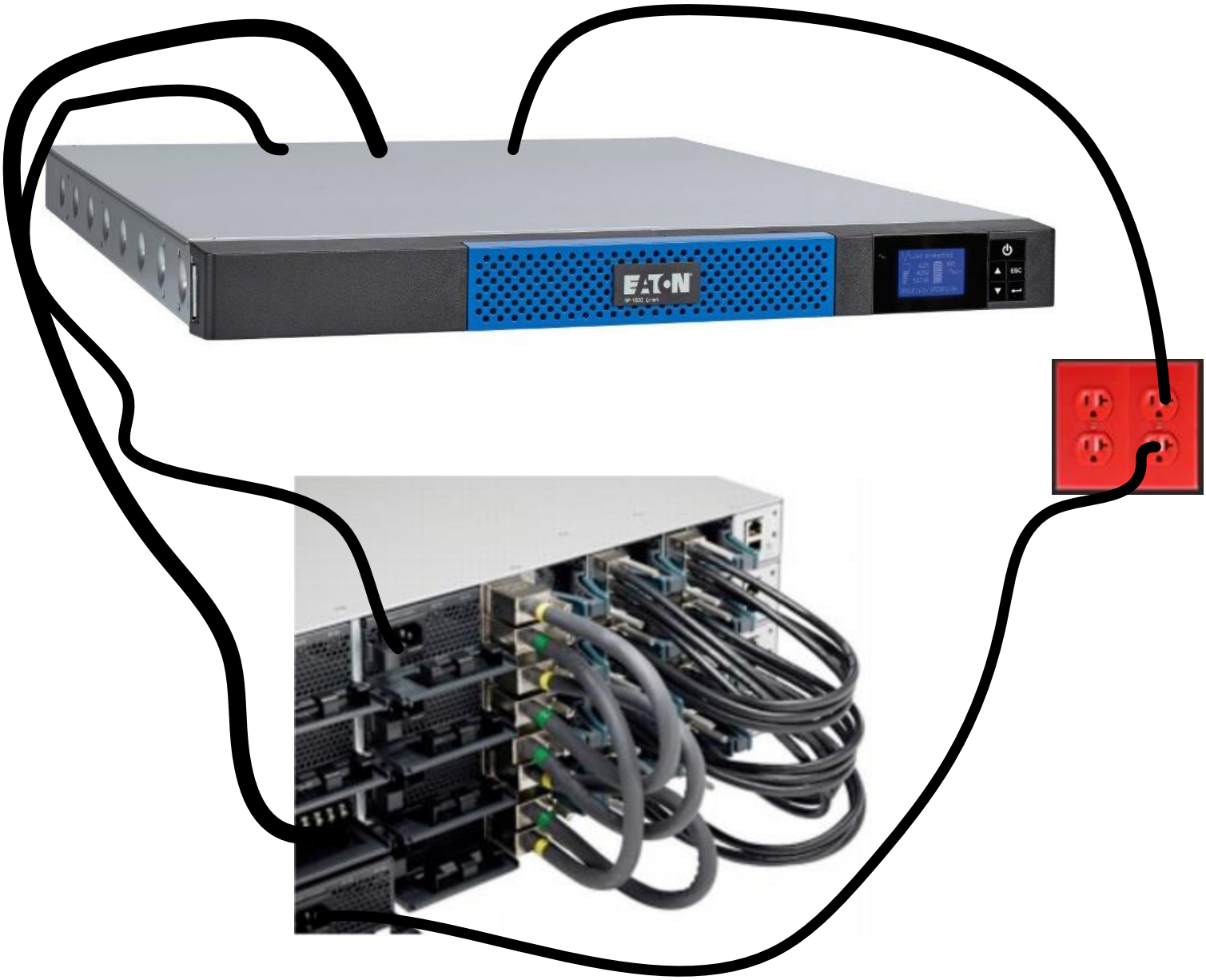
- All contractors must have current company and also automobile liability insurance of at least 1 million dollars coverage
- All contractors must have PPE per type of area that they are working in. IE: if construction must have hard hart, Safety vest, eye protection and a face mask
- All Contractors must have an above ceiling permit obtained through: Environ Health & Safety / Jeff Pinter
- All Contractors must have a Infectious control permit though Dir-Infection Prevention / Sheila Fletcher (possibly waived, but must have dated email proof from Infection Prevention)
- All permits must be displayed on all ladders & work zones
- Cabling Contractors Only working in a construction zone with existing ceiling/IC permits can fall under them
- While a worker is working on a ladder a second worker will be at the base looking out for patients and any other dangers
- At no time can any cabling boxes/reels/ladders carts be left unsupervised
- Contractors are required to get parking permits and parking is a gravel lot beside clinical science building.

MAIN MENU

DIS UPS (Uninterrupted power supply) are for UMMC equipment only

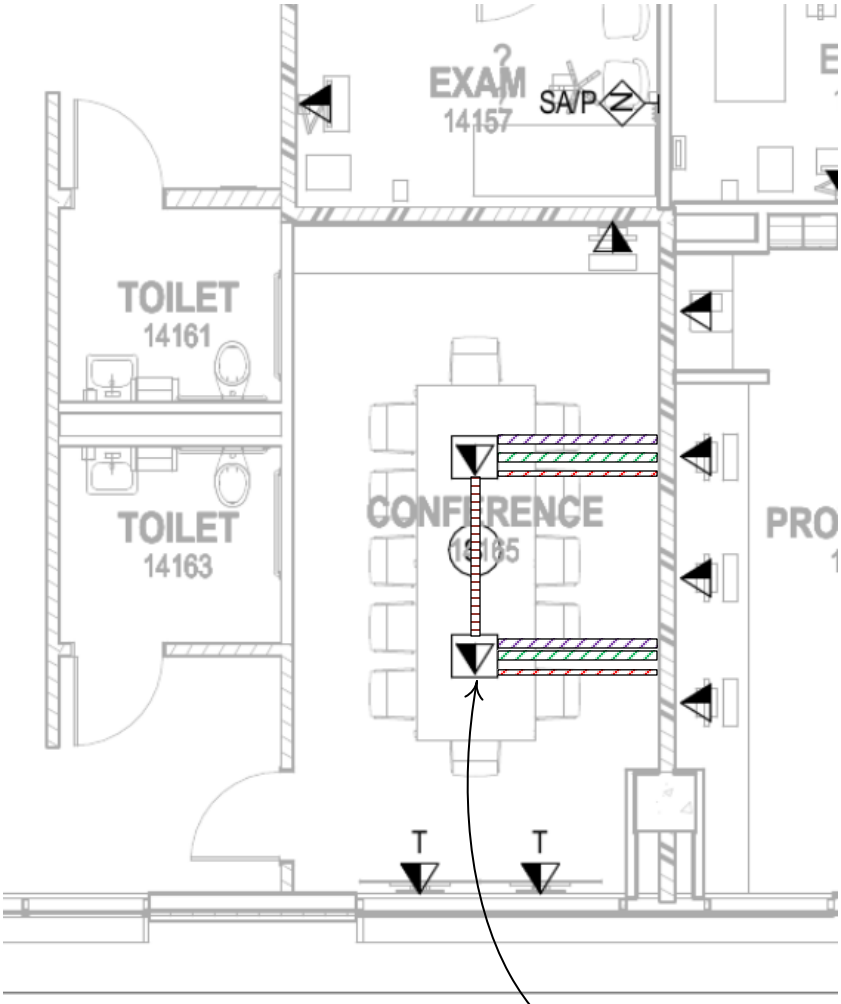
All UPS's are to be plugged direct into Emergency power. The switch stack maybe plugged into both the UPS and direct to the emergency power.

Most all of our switch stacks are power stacked, which means if power is lost it can be regained through a another switch or a second power supply



MAIN MENU

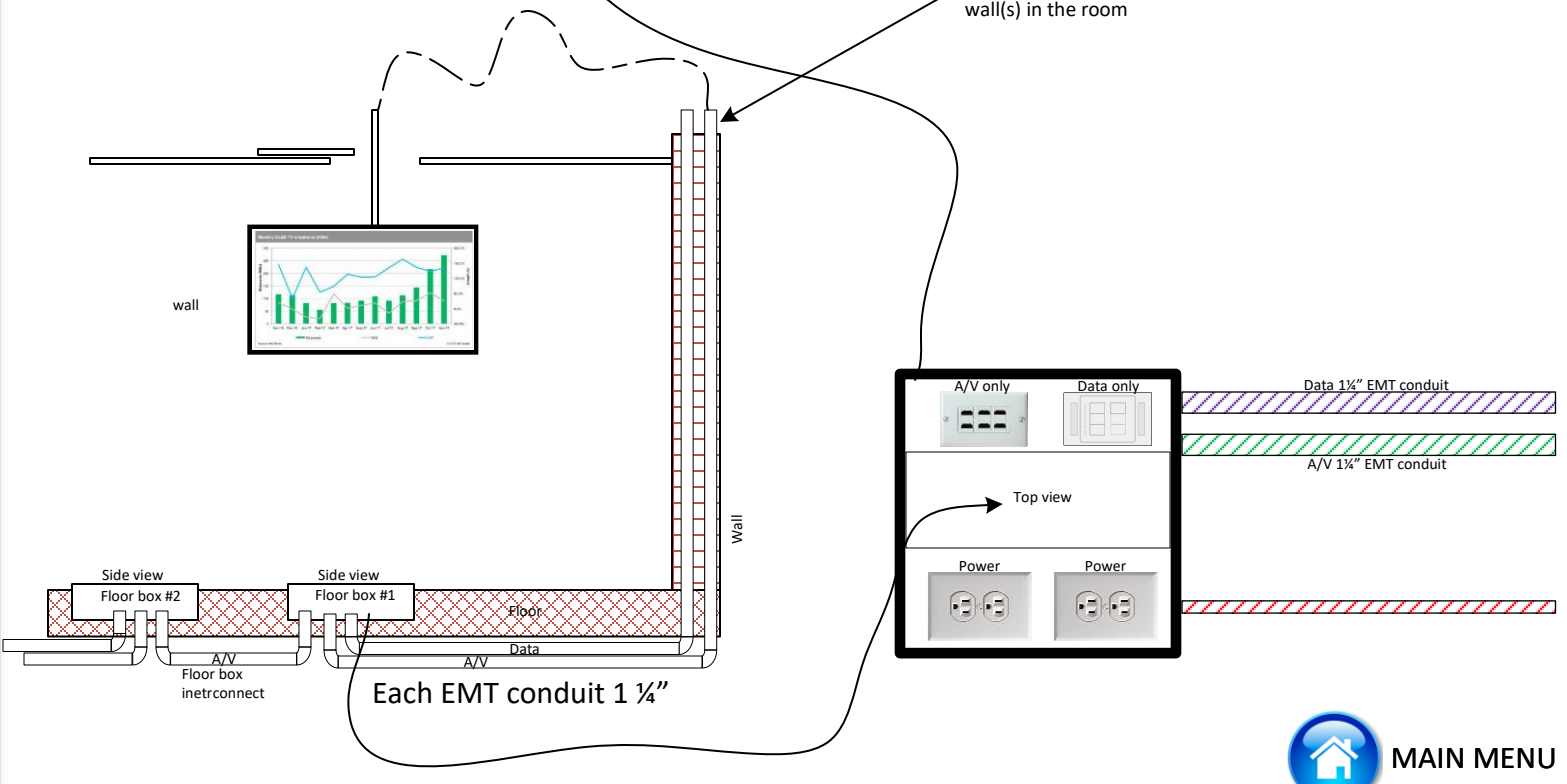
Floor box installation minimum conduit pathways
All new and upgraded conference rooms are to have floor boxes installed



Each floor box will have separate 1 ¼ EMT stub out for both data and A/V
In addition will be a separate power conduit.

If 2 floor boxes are in the same room a 1¼" EMT interconnection conduit between the boxes is required

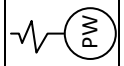
Please leave 1¼" EMT stubbed out within 1' of top of wall
This will let the A/V contractor run cabling from the floor box(s) to any wall(s) in the room



MAIN MENU

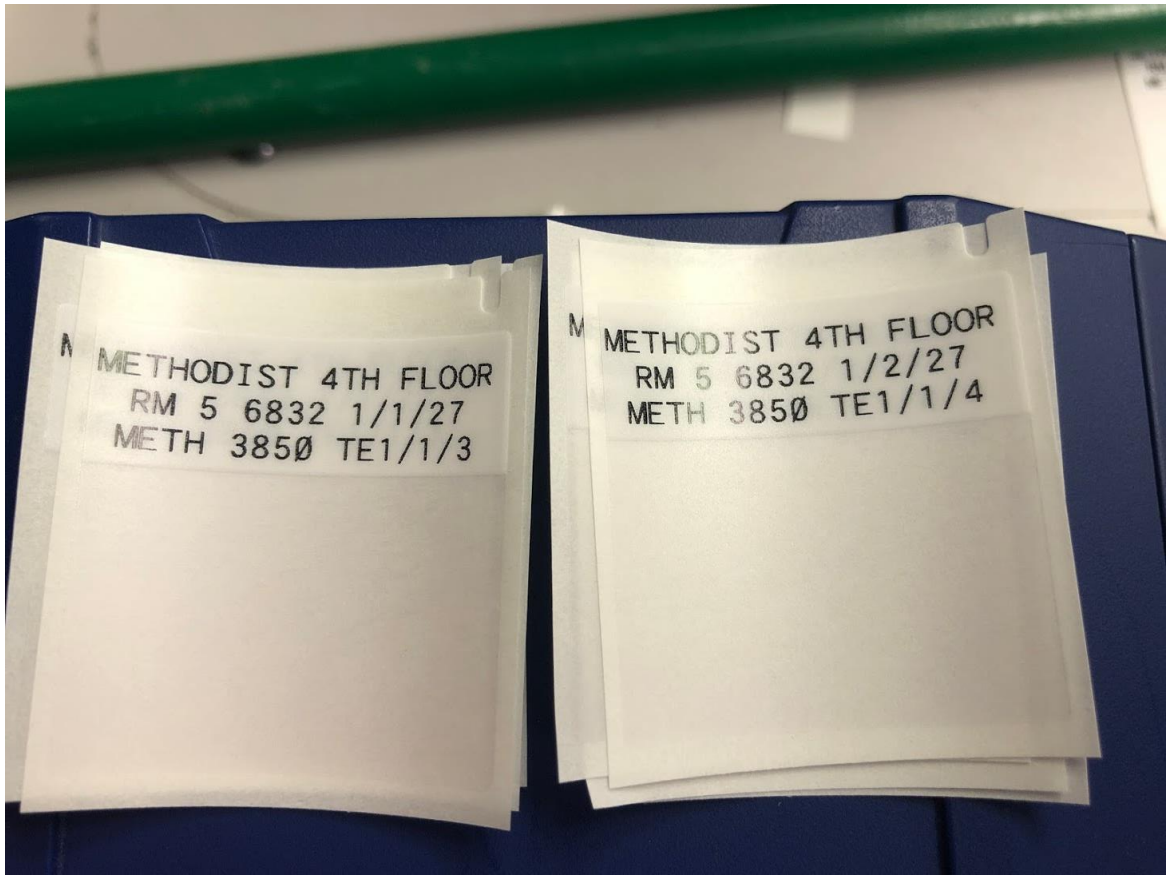
UMMC DIS cabling floor plan Legand standards

All cabling is considered a data network cable to be terminated on z-max data patch panel

	Existing data drop(s) location		Interior fixed IP dome camera: **Blue Siemon's SOL 6 CMP cat 6**
	Single data drop universal jack location		Valcom IP speaker
	Single data drop universal jack location for wall mount IP phone (height determined per job)		
	Single data drop universal jack location for Time Clock (height determined per job)		
	Single data drop universal jack location for Pneumatic Tube station & controllers		
	Single data drop universal jack location for network controlled Equipment		
	Single data drop universal jack location for Emergency phone or elevator phone		
	Dual all data drop universal jack location: **Typical UMMC / DIS install**		
	Dual all data drop universal jack location: above counter		
	Quad all data drop universal jack location matching Electrical		
	Floor box – shown with dual data		
	UMMC only wireless access point mounted in Siemon's surface mount box above ceiling **Yellow Siemon's CMP cable only**		
	Phillips Wireless access point **must be Siemon's Sol6 CMP orange cable**		
	NON ummc wireless access point Ie: siemens-- **must be different color cable**		

Please take note of the cable jacket color per system install. After final construction it can be confusing to whom the intended cable was installed for

MAIN MENU



DIS fiber cabling patch cord labeling

#1 connection description
#2 location #1 + Equipment type + VSS port
#3 location #2 + Equipment type + switch port

Each switch stack connection is Dual matching port channel connection back to the dual core VSS. This can be dual 1g,10g,25g,40g,100g….ect both have to match

Core VSS #1 port 1/1/27
Core VSS #2 port 1/2/27

On the switch stack side: switch #1 and the last switch have the fiber connections
This is a 1 switch stack so the connections are both in switch #1 ---- 1/1/3 & 1/1/4

MAIN MENU

All UMMC campus network cabling is to be managed, approved, processed and paid through UMMC/DIS. This includes all large and small construction jobs and requests from UMMC depts. No longer will the DIS wiring go through a general Construction contractor and be double subbed out thought the electrical contractor. Please send all quotes to:

DISConstruction@umc.edu

The assigned project architect firm and electrical design engineer will still fully design the project for the low voltage cabling, fiber backbone, cabling pathways, boxes/conduits, grounding, cable trays, fire / smoke sleeves data closet layouts and OSP handholes and conduits.

DIS responsibilities for UMMC departments/ facilities / Construction projects

#1 Will provide full management of cabling before project, during and on the go live dates
#2 Will provide multiple estimates to have cabling work completed.
#3 Cabling estimates will be similar estimates received for network or computer equipment
#4 Will provide pre design paperwork on time and work through issues or changes during project
#5 Will provide full cabling floor plan AS-builts-Fire wall locations / cable test results / Siemon Cert
#6 Working towards providing portable webex camera/tv setup, for remote construction meetings live login's

UMMC departments/ facilities / Construction responsibilities to DIS

#1 Will provide DIS all UMMC Projects that involve cabling
#2 Will receive DIS cabling estimates
#3 Will add the Cabling estimate to the project budget
#4 On approved projects, facilities will issue DIS cabling contractors PO('s) against the UMMC project/budget.

Project / General Contractor / Electrical contractor responsibilities per our cabling standards

#1 Will provide all cabling ISP pathways, conduits/boxes, cable tray, fire sleeves, riser cores, special conduits
#2 Will provide all cabling OSP pathways, conduits, innerduct, tracer wire, boxes, handholes
#3 Will provide all grounding up to the TBB
#4 The DIS selected cabling contractor will use these provided paths to complete their installation

Low voltage contractors responsibility while onsite of a construction project:

#1 Will have to follow all rules of the general contractor including OSHA safety standards
#2 Required to wear full PPE as directed by GC/OSHA (IE.. hardhat, vest, safety glasses, safety boots)
#3 Must attend GC's safety meetings
#4 Must attend construction meeting and give project updates
#5 Must turn in all Papers work no later than 2 weeks before go live
#6 Must carry insurance and will be responsible for any damages effecting other trades

General Contractors responsibility to our DIS cabling contractors

#1 Will provide all onsite company policies
#2 Will indicate required PPE (IE.. hardhat, vest, safety glasses, safety boots)
#3 Must send out invites for construction meetings and safety meetings
#4 Will be responsible for reimbursing the cabling contractor direct from the GC or a subbed GC trade that causes damages to the cabling contractors installed cabling or equipment (during construction).

Facilities or any type Contractor or trade on UMMC site

#1 Will contact DIS when working in any DIS space (IE...DIS data closet)
#2 Will contact DIS if a secure DIS room is no longer secure… (IE.. Card reader/mag lock/door strike disabled)
#3 Will be held financeable responsible for anything damaged / cut / moved out of the way.
#4 Must fully clean up work area each day and provide clear path for DIS to network equipment
#5 Must schedule a final walk through or full pictures of completed work and cleaned work area

Send questions / estimates to:DISConstruction@umc.edu

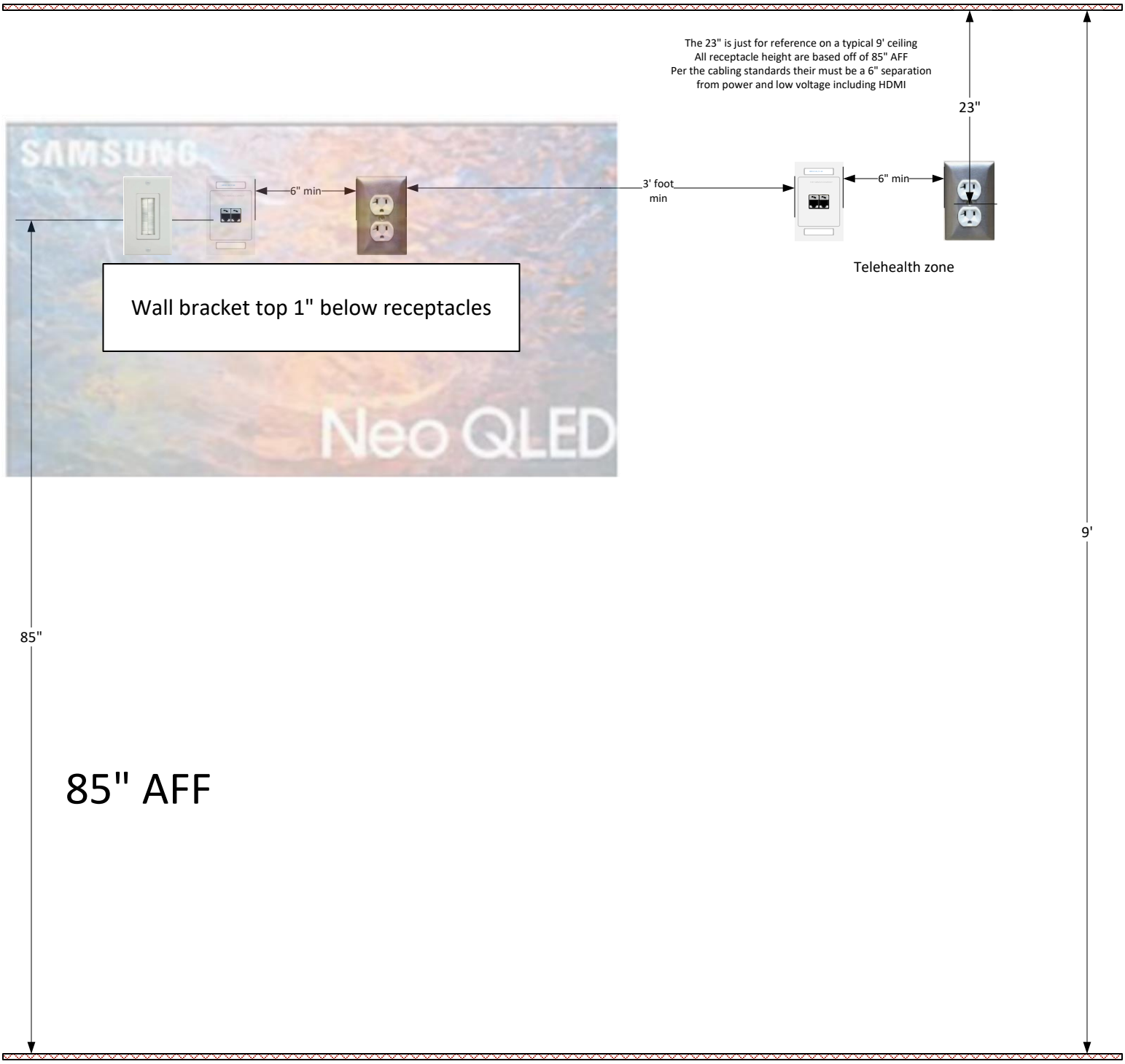
MAIN MENU

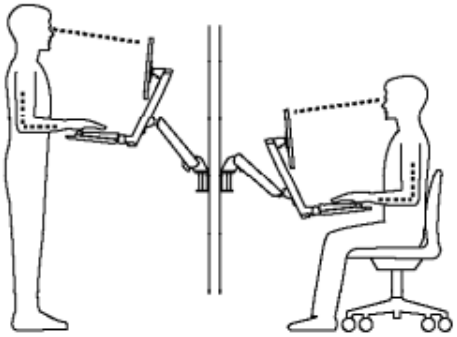
Typical Patient room foot wall setup for TV and Telehealth. This would also be used for most all campus tv/monitor wall installations

When tv is installed it will hide all receptacles and cabling attached to it. If you have a top mount bracket over a mid bracket, It would mount the same. Keep in mind you still have to shift the tv up to clover the receptacles

Some telehealth systems are independent and some like artisight are intergrated into the patient TV with box mounted on back side of tv.

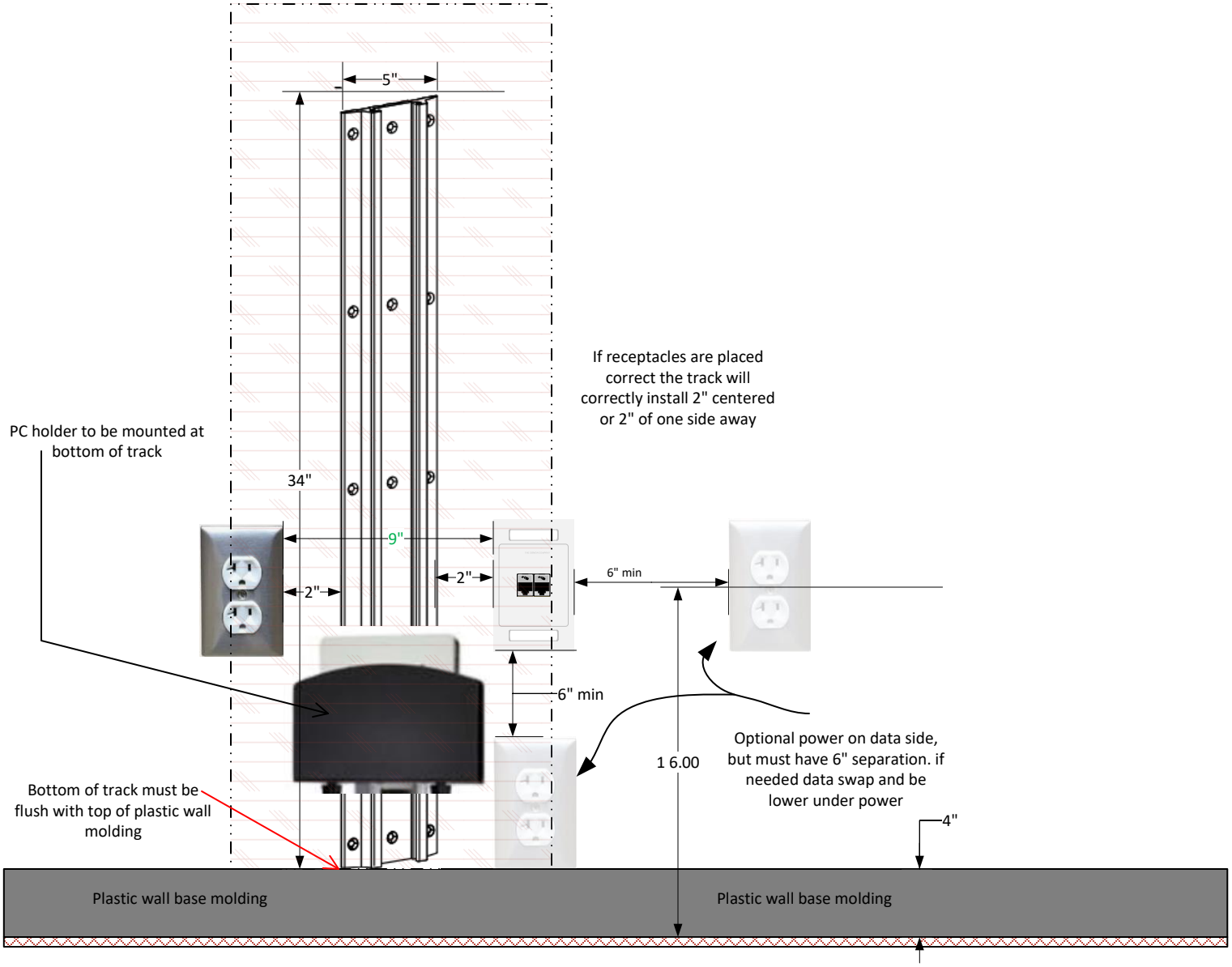
Illustration also shows a brush plate. This would be used for HDMI cables or cabling attached to artisight system room with IP PTZ camera and IP speaker





Ergotron Wall mounts and backing

In wall backing must be min 16" X 40"
Mount rail is 5" X 34" with 2" buffer each side
Minimum ¾" thick backer and supported between 2 wall studs



Signature list of the Approved 10.0 UMMC DIS Standards

Brianne Pardo
Supv-Telecommunications _____

Ryan Sturdivant
Lead SR network engineer _____

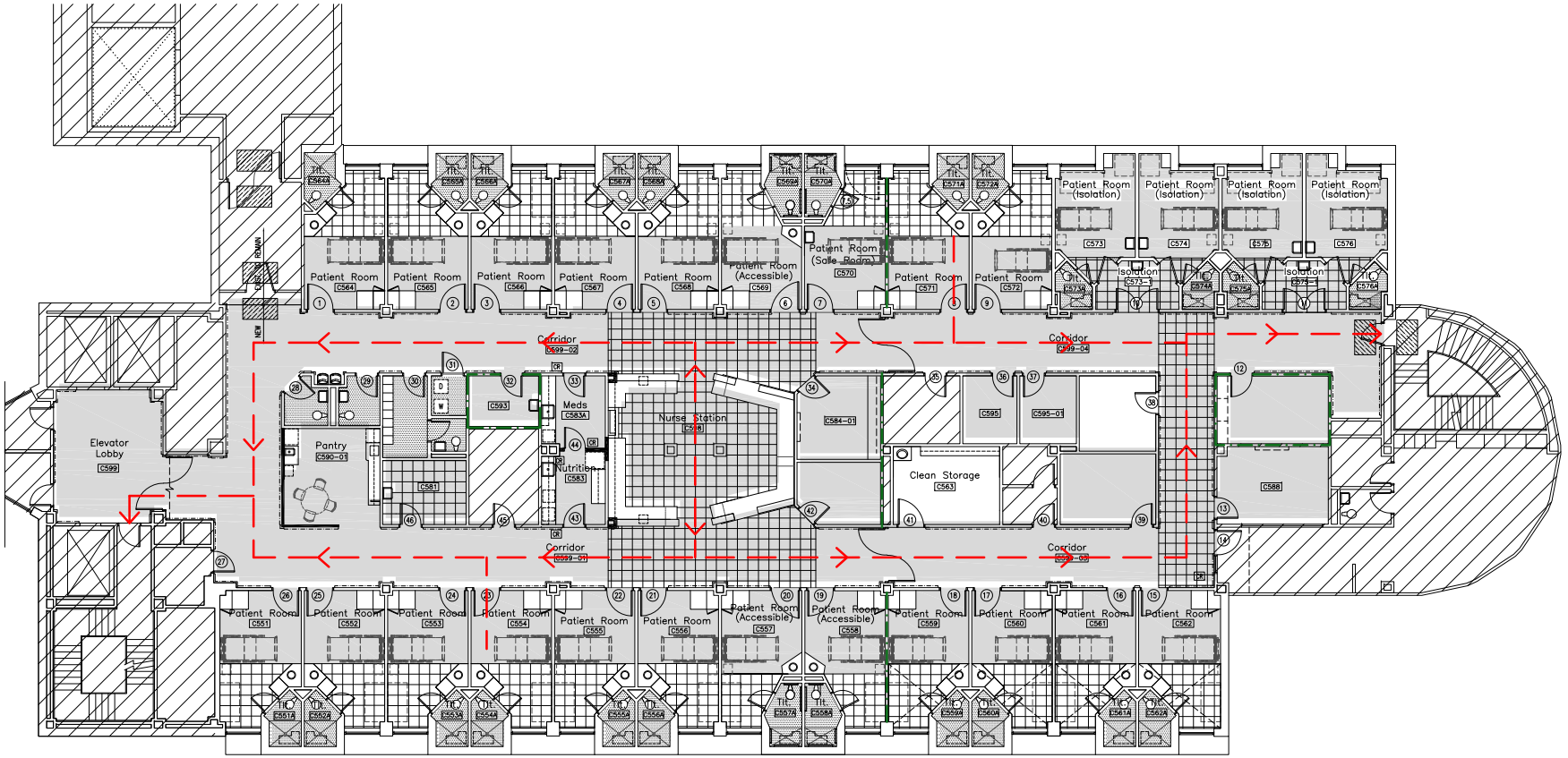
Robert Hungerford
Telecom Design Engineer /
Cable Plant manager _____

Allen Williams
Manager Network/Telephone/Cabling _____

Russell G. Donald
Director-It Enterprise Svcs & Intgr _____

Kevin Yearick
CIO-Technology _____

MAIN MENU



NORTH

Life Safety Plan

3/64"

Code Analysis Plan Legend	
← —	PATH OF EGRESS
— · —	FIRE WALL SEPARATION (1 HR)

20 October Addendum #1
1 July 2025

Batson 5C Refurbishment
The University of Mississippi Medical Center
(jackson, mississippi)

UMMC No. 2026397

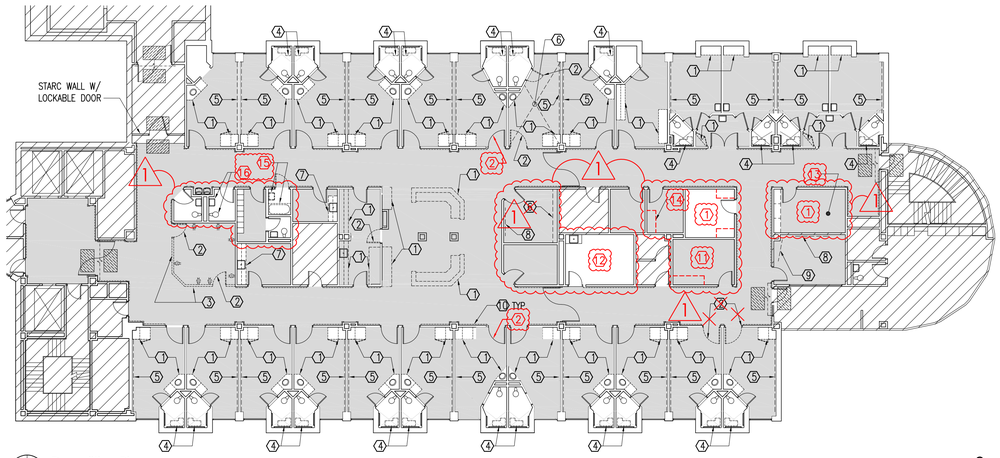
BURRIS/WAGNON ARCHITECTS, P.A.
500L EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543

EXHIBIT "A"

SHEET 1 OF 1

ADDENDUM #1 (1)
20 OCT 2025
(Changes made in Red)

NOTE: THIS DRAWING IS FOR GRAPHICAL REPRESENTATION ONLY. REFER TO INTERIOR WALL TYPES LEGEND FOR COMPONENTS OF WALLS, NUMBER OF GYP. BD., TYPE OF GYP. BD., ETC.



Demolition Plan — 2 — 1/16"

NORTH

Demolition Plan Legend

- EXIST. CRASH RAILS TO BE REMOVED (PREPARE WALLS FOR PAINTING AS PER SPECS.
- NO WORK -- NOT IN CONTRACT
- EXIST. VCT, GLUE, AND RUBBER BASE TO BE REMOVED TO BARE SLAB
- EXIST. MILLWORK TO BE REMOVED

Infection Control Graphics Legend

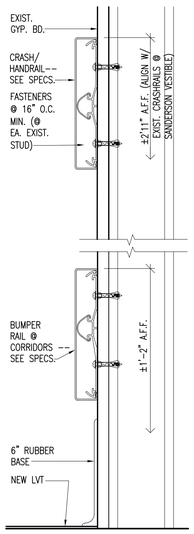
- CONSTRUCTION BARRIER
- WALK-OFF MAT

General Demolition Notes:

1. See clg. demo scope at RCP and Partial Demolition RCP, Sht. 3.0.
2. See Sht. TS for additional demolition notes.

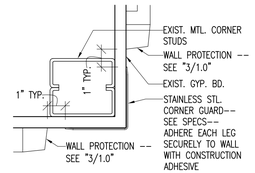
Keyed Demolition Notes

1. Remove exist. millwork -- repair walls/adjacent surfaces for painting..
2. Remove exist. door/frame.
3. Remove exist. partition wall.
4. Remove exist. shower seat -- all other restroom fixtures to remain in place (replace tile @ locations of screw holes).
5. Remove exist. wall board, headwall, & bed locator, typ. (NOTE: Exist. nurse call bed jack cable to remain & be reconnected to a new box, +20" AFF, centered on headwall -- see elec., and CASH ALLOWANCES 012100). Remove exist. gyp. bd. as req'd. to install new blocking and/or headwall backets, and to connect new headwall. Repair, finish, and paint gyp. bd.
6. Remove wall cabs. Patch wall & pt.
7. Remove all millwork & sink. -- leave plumbing.
8. Remove x-ray box.
9. Remove monitor & bracket - turn over to UMMC.
10. Remove exist. monitor brackets, patch wall, & blank off power & data outlets.

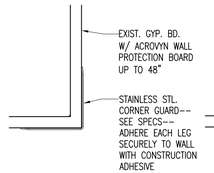


Typ. Crash/Handrail Detail — 3 — 3"

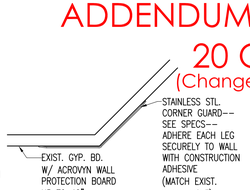
(see related det's "4,5,6/1.0") 3



A. Corridor Corner Guard Detail

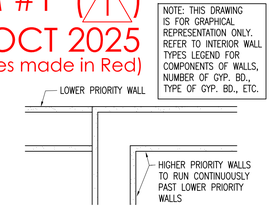


B. Patient Room Corner Guard Detail

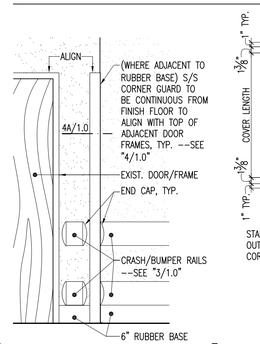


C. Patient Room Corner Guard Detail

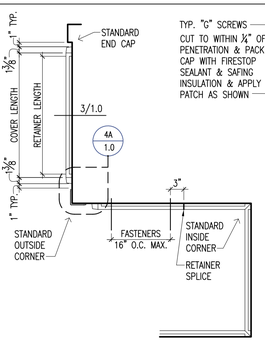
Corner Guard Details — 4 — 3"



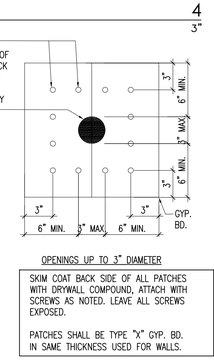
Abutment of Dissimilar Walls — 7 — 1 1/2"



Typ. Wall Protection Elevation — 5 — 1/2"



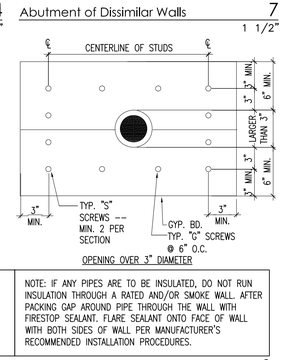
Typ. Wall Protection Routing — 6 — 3/4"



OPENINGS UP TO 3" DIAMETER

SKIM COAT BACK SIDE OF ALL PATCHES WITH DRYWALL COMPOUND, ATTACH WITH SCREWS AS NOTED. LEAVE ALL SCREWS EXPOSED.

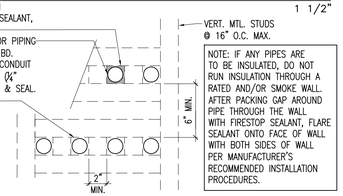
PATCHES SHALL BE TYPE "X" GYP. BD. IN SAME THICKNESS USED FOR WALLS.



OPENING OVER 3" DIAMETER

NOTE: IF ANY PIPES ARE TO BE INSULATED, DO NOT RUN INSULATION THROUGH A RATED AND/OR SMOKE WALL. AFTER PACKING GAP AROUND PIPE THROUGH THE WALL WITH FIRESTOP SEALANT. FLARE SEALANT ONTO FACE OF WALL WITH BOTH SIDES OF WALL PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.

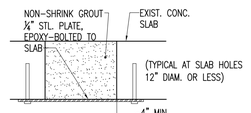
Patching and Sealing Penetrations in Rated Walls — 8 — 1 1/2"



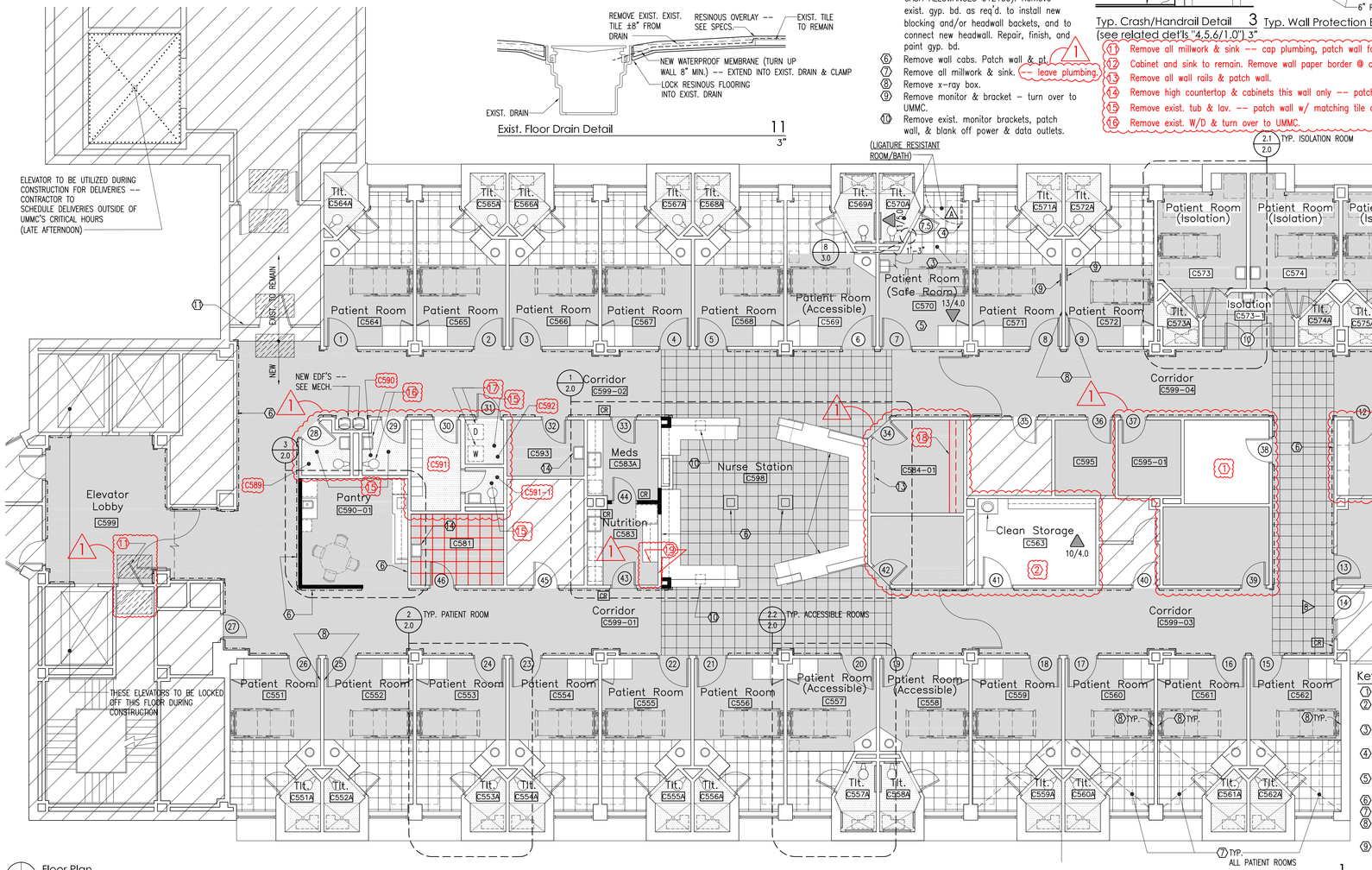
NOTE: IF ANY PIPES ARE TO BE INSULATED, DO NOT RUN INSULATION THROUGH A RATED AND/OR SMOKE WALL. AFTER PACKING GAP AROUND PIPE THROUGH THE WALL WITH FIRESTOP SEALANT, FLARE SEALANT ONTO FACE OF WALL WITH BOTH SIDES OF WALL PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.

NOTE: THIS IS A TYPICAL ARRANGEMENT. REPEAT THE PROCEDURE AS NEEDED TO ACCOMMODATE ALL CONDUIT AND PIPE PENETRATIONS THROUGH WALL.

Multiple Penetrations in Rated Walls — 9 — 1 1/2"



Floor Patch Detail (Type @ All Abandoned Floor Penetrations) — 11 — 1 1/2"



Floor Plan — 1 — 1/8"

NORTH

Exist. Floor Drain Detail — 11 — 3"

Keyed Floor Plan Notes:

1. NOT USED. Prep, paint walls. - Patch flr. tile as req'd.
2. NOT USED. Cabinet and sink to remain. Remove wall paper border @ clg., skim/prep gyp. bd., pt.
3. Laminate ⅝" impact resistant gyp. bd. over all exist. gyp. bd. this room -- at door frame "7.5" provide floatable alum. reveal trim per "8/3.0".
4. New 5'W.x7'H. interior accessory casement window (IAW) installed inside exist. window -- see Specs & Sht. 5.0. (Note: exist. shade to remain.)
5. Provide millwork finishing system premoulded base this room, Johnsonite #63 Burnt Umber -- see Specs.
6. Accent paint colors this area to be field-determined.
7. All patient rooms to receive accent LVT Type 3 as noted at 2,2.2/2.0.
8. Wall accent paint #1 (BM "Calypso Blue 727") @ head wall of all patient rooms, typ.
9. New dialysis box. See Mech.
10. Owner's exist. nurse call console (reconnected per Nurse Call Modifications Allowance, 012100/1.6/D.)
11. Starc wall barrier w/ lockable door & sticky mats ea. side.
12. Seal off child life room to protect from construction dust.
13. Remove x-ray box & infill w/ mtl. studs & gyp. bd.
14. New wall-hung lav. -- See Mech.
15. New resinous flr. over exist. flr. tile.
16. Remove washer/dryer & turn over to UMMC. Install new lavatory & watercloset -- repair wall & retile plumbing wall up to +48" w/ "Matte Stable 0052 (2)" tile (on ⅝" cement board).
17. New washer & vented dryer (by UMMC) -- See Mech. & Elec. for new connections.
18. All millwork to remain on this wall. Stop millwork 36" from wall. Install solid ¾" plywd. blocking behind gyp. bd. -- reinstall gyp. bd.

Floor Plan Legend

- EXIST. WALL SHERWIN WILLIAMS 7004 SNOWBOUND (EGGSHELL), DOOR FRAMES TO BE PAINTED SHERWIN WILLIAMS 7089 IRON ORE (GLOSS)
- NEW WALL SHERWIN WILLIAMS 7004 SNOWBOUND (EGGSHELL), DOOR FRAMES TO BE PAINTED SHERWIN WILLIAMS 7089 IRON ORE (GLOSS) -- SEE WALL TYPES
- CONT. CRASH/BUMPER RAILS -- SEE SPECS & "3-6/1.0" -- PAINT WALLS (EXTEND TO CORNER GUARDS)
- CONT. CORNER GUARD -- SEE SPECS & "4/1.0"
- NEW LVT 1, TARKETT PLC2 7563 VILLA WHITE -- SEE SPECS. PAINT ALL WALLS, CEILING FURRINGS, DOOR FRAMES, ETC. WITHIN THIS SCOPE AREA. --PROVIDE NEW 6" RUBBER BASE JOHNSONITE 63 "BURNT UMBER"
- NEW LVT 2, TARKETT PLC2 7566 HARBOR -- SEE SPECS. PAINT ALL WALLS, CEILING FURRINGS, DOOR FRAMES, ETC. WITHIN THIS SCOPE AREA. --PROVIDE NEW 6" RUBBER BASE JOHNSONITE 63 "BURNT UMBER"
- NEW LVT TYPE 3 (ACCENT), TARKETT PLC2 7554 "WATERMIST"
- EPOXY RESINOUS FLOOR W/WATERPROOF MEMBRANE (OVERLAY EXIST. CER. TILE FLOOR TO REMAIN -- TURN RESINOUS COATING UP WALL 8" PER "11/3.0") -- STONHARD FRAPPE -- SEE SPECS. PREP FLOOR DRAIN TO RECEIVE NEW RESINOUS FLOOR PER "11/1.0". REPLACE ALL COLORED WALL TILES W/ "WHITE" TO MATCH EXIST. PAINT DOOR FRAME (BOTH SIDES).
- FURNITURE -- N.I.C.
- NO WORK -- NOT IN CONTRACT (UNLESS NOTED OTHERWISE)
- CR — CARD READER -- SEE ELECT. & ACCESS CONTROLS ALLOWANCE

Color Schedule

NOTE: Material/color samples shall be submitted to Architect, prior to ordering any materials, for final Owner review/approval.

LVT TYPE 1 (FIELD COLOR)	TARKETT PLC2 7563 "VILLA WHITE"
LVT TYPE 2 (FIELD COLOR)	TARKETT PLC2 7566 "HARBOR"
LVT TYPE 3 (ACCENT COLOR)	TARKETT PLC2 7554 "WATERMIST"
RUBBER BASE	JOHNSONITE 63 "BURNT UMBER"
RESINOUS FLOOR (OVERLAY)	STONHARD STONSHIELD "FRAPPE"
CERAMIC WALL TILE PATCHING	AMERICAN OLEAN "MATTE STABLE 0052 (2)"
WALL PAINT (TYP.)	SHERWIN WILLIAMS 7004 "SNOWBOUND"
WALL PAINT (ACCENT #1)	BENJAMIN MOORE BM 727 "CALYPSO BLUE" (1 WALL PER PATIENT ROOM)
OTHER ACCENT COLORS SHOWN ON PLANS	TO BE FIELD-DETERMINED
HOLLOW MTL. FRAMES	SHERWIN WILLIAMS 7069 "IRON ORE"
SOLID SURFACE 1 (SS-1)	FORMICA 757 "LUNA SAND"
SOLID SURFACE 2 (SS-2)	FORMICA 781 "LUNA CONCRETE"
P. LAM. TYPE 1 (PL-1) (BASE/WALL CABINETS, NURSE STATION -- U.N.O.)	FORMICA 7223C-90 "NEW WHITE"
P. LAM. TYPE 2 (PL-2) (FULL HGHT. STORAGE CABINET)	WILSONART "HARVEST MAPLE"
WALL PROTECTION BOARD	ACROVYN #949 C/S "WHITE"

1 July 2025

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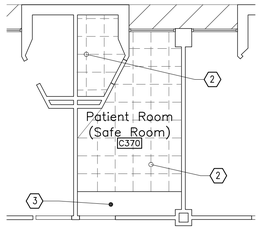
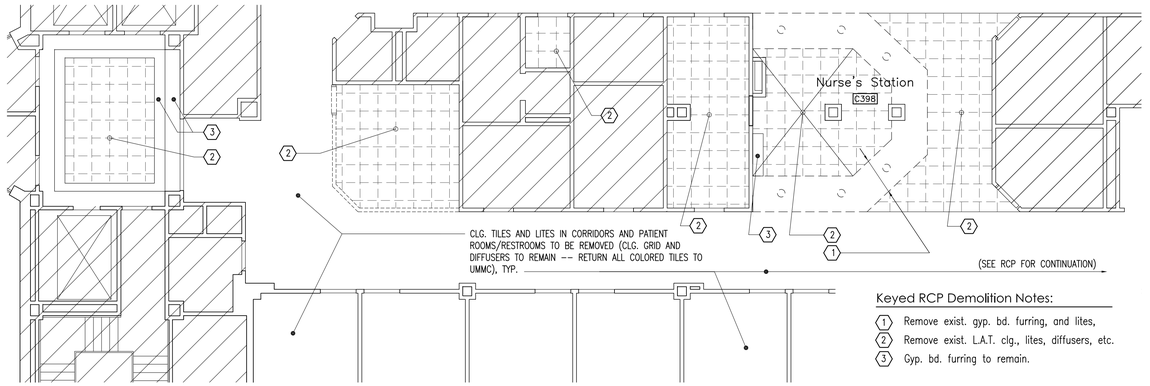
UMMC No. 2026397

BURRIS/WAGNON ARCHITECTS, P.A.
500 EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543 FAX 6019699374

1.0

ADDENDUM #1 (1)
20 OCT 2025
(Changes made in Red)



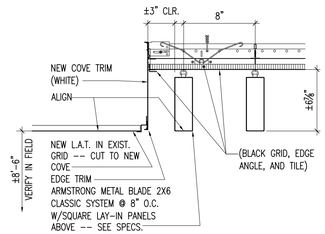


Keyed RCP Demolition Notes:

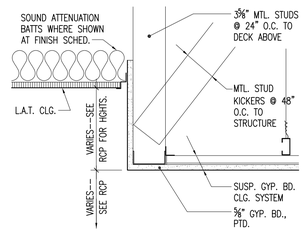
1. Remove exist. gyp. bd. furring, and lites,
2. Remove exist. L.A.T. clg., lites, diffusers, etc.
3. Gyp. bd. furring to remain.

NORTH

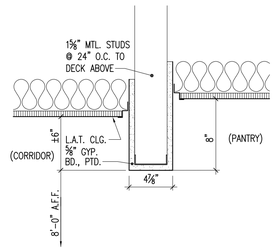
Partial Demolition RCP — 1.5 — 1/8"



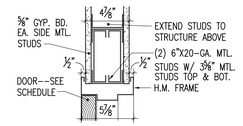
Detail 2 — 1 1/2"



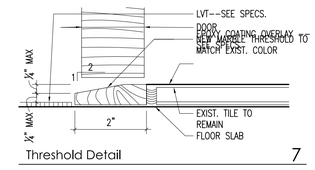
Detail 3 — 1 1/2"



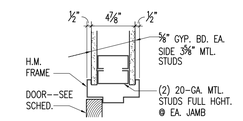
Detail 4 — 1 1/2"



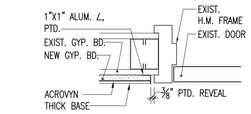
Head Detail 5 — 1 1/2"



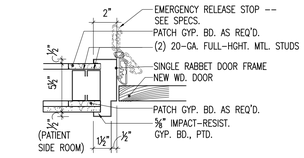
Threshold Detail 7 — HALF-SCALE



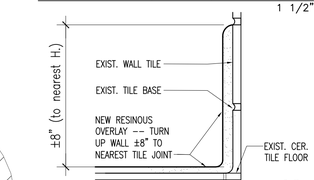
Jamb Detail 6 — 1 1/2"



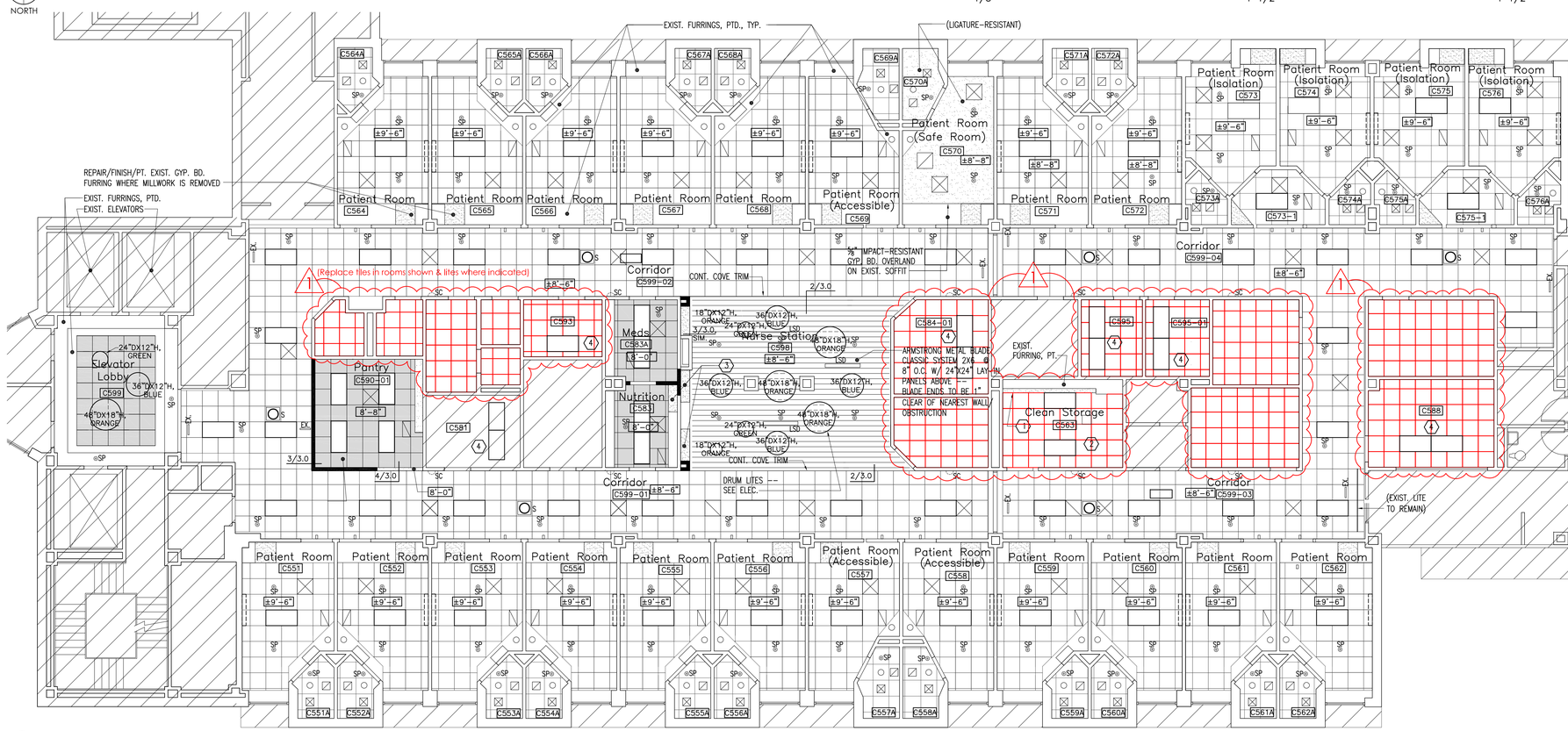
Detail @ Door 7.5 8 — 1 1/2"



Detail @ Door "07" (Rm. C570) 9 — 1 1/2"



Resinous Base (Patient Bathooms) 10 — 1 1/2"



NORTH

RCP — 1 — 1/8"

RCP Notes:

1. Remove exist. clg. tile (grid to remain) to extent of new tile shown at RCP. Salvage exist. colored clg. tiles & turn over to Owner.
2. Remove/reinstall/reconnect all exist. clg. devices (speakers, exit signs, wifi hubs, etc.) in new clg. tile. Contractor to verify quantities of all such devices to remain, prior to Bid, coordinating work w/ mech. & elec. subs.
3. Sprinkler locations shown are approx. (location and quantity) Contractor shall verify quantities prior to Bid. Reinstall sprinkler heads in center of clg. tiles. NOTE: See Owner's Spec. Section for treatment of sprinkler heads during Construction, and see Mech.

Keyed RCP Notes:

1. Widen exist. gyp. bd. furr. out to nearest L.A.T. grid line -- cut exist. grid to new furring. Paint furring.
2. Exist. grid and lites to remain this room -- modify exist. grid & tile to abut new gyp. bd. soffit. Replace tiles.
3. Extend exist. furring to new/exist. wall planes.
4. Install new lite fixture(s) in exist. L.A.T clg. where field-directed. -- See Elec.

RCP Legend

	AREA NOT IN CONTRACT (N.I.C.)
	NEW CEILING TILE IN EXIST. GRID -- NEW LITES -- SEE ELEC.
	NEW CEILING TILE IN NEW GRID (EXTEND EXIST. GRID AS REQ'D.) -- NEW LITES -- SEE ELEC.
	NEW SUSP. ⅝" IMPACT RESIST. GYP. BD. CLG., PTD. -- BRACE RIGIDLY TO DECK WITH STUD HANGERS
	RESTORE EXIST. GYP. BD. SOFFIT AS REQ'D. (TAPE, FLOAT, PAINT WHERE EXIST. MILLWORK IS REMOVED)
	NEW ARMSTRONG WD. VENEER LINEAR PLANK CLG. -- SEE DETAILS & SPECS.
	EXIST. SUPPLY DIFFUSER -- RE-INSTALL WITH NEW CEILING TILES IN EXIST. LOCATION
	EXIST. RETURN DIFFUSER -- RE-INSTALL WITH NEW CEILING TILES IN EXIST. LOCATION
	NEW RECESSED LITE -- SEE ELEC.
	NEW DRUM LITE -- SEE ELEC.
	NEW PATIENT HEAD LITE -- SEE ELEC.
S	NEW PAGING SYSTEM -- SEE ELEC.
SP	APPROX. LOCATION OF EXIST. SPRINKLER HEAD -- REINSTALL IN NEW CLG. TILE
SC	EXIST. WALL SCONCE TO BE REMOVED/REPLACED -- SEE ELEC.
EX.	EXIT SIGN -- SEE ELEC.
LSD	LINEAR SLOT DIFFUSER -- SEE MECH.
	NURSE CALL LITE -- SALVAGE, SUPPORT, REINSTALL IN NEW TILE -- SEE ELEC.

REGISTERED ARCHITECT. Paul Wagnon 2631 STATE OF MISSISSIPPI

REGISTERED ARCHITECT. William Burris 2752 STATE OF MISSISSIPPI

1 July 2025

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3.0

PLAN NOTES:

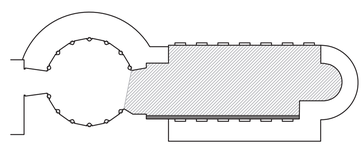
1. REMOVE EXISTING SUPPLY AIR DIFFUSER. SEE NEW WORK PLAN FROM NEW DIFFUSER INSTALLATION.
2. REMOVE EXISTING SUPPLY AIR DIFFUSER AND PORTION OF DUCTWORK BACK TO MAIN. SEE NEW WORK PLAN FROM NEW DIFFUSER INSTALLATION.
3. REMOVE EXISTING RETURN AIR GRILLE. SEE NEW WORK PLAN FROM NEW GRILLE INSTALLATION.
4. REMOVE EXISTING EXHAUST AIR GRILLE. SEE NEW WORK PLAN FROM NEW GRILLE INSTALLATION.
5. REMOVE EXISTING SUPPLY AIR DIFFUSERS AND DUCTWORK BACK TO MAIN OR AS REQUIRED FOR INSTALLATION OF NEW CEILING. SEE NEW WORK PLAN FOR INSTALLATION OF NEW LINEAR DIFFUSERS.
6. SEE NEW WORK PLAN FOR RELOCATED THERMOSTAT.
7. RELOCATE EXISTING CEILING GRILLES AS REQUIRED FOR NEW CEILING LAYOUT.
8. REMOVE EXISTING SUPPLY, RETURN, OR EXHAUST GRILLE. SEE NEW WORK PLAN FOR NEW GRILLE AND BALANCE INFORMATION.
9. REMOVE EXISTING WASHER AND DRYER AND TURN OVER TO UMC. REMOVE ALL APPURTENANCES ASSOCIATED WITH DRYER.

1

-4 -3 -2 -1 0 1 3 5 7 9 11 13 15 16 16' 17 18 19 20 21 22

B B" C C" D D' E

HATCH PATTERN INDICATES (N.I.C) NOT IN CONTRACT.



KEY PLAN

BATSON - FIFTH FLOOR PLAN - HVAC DEMOLITION

SCALE:1/8" = 1'-0"

1 ADDENDUM #1 - 10.20.25

ENGINEERING RESOURCE GROUP, INC.

ERG ERG.25.100

CHARLES E. MOORE 20102 7/1/2025 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI

1 July 2025

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500L EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543 FAX 6019699374

M101

GENERAL NOTES:

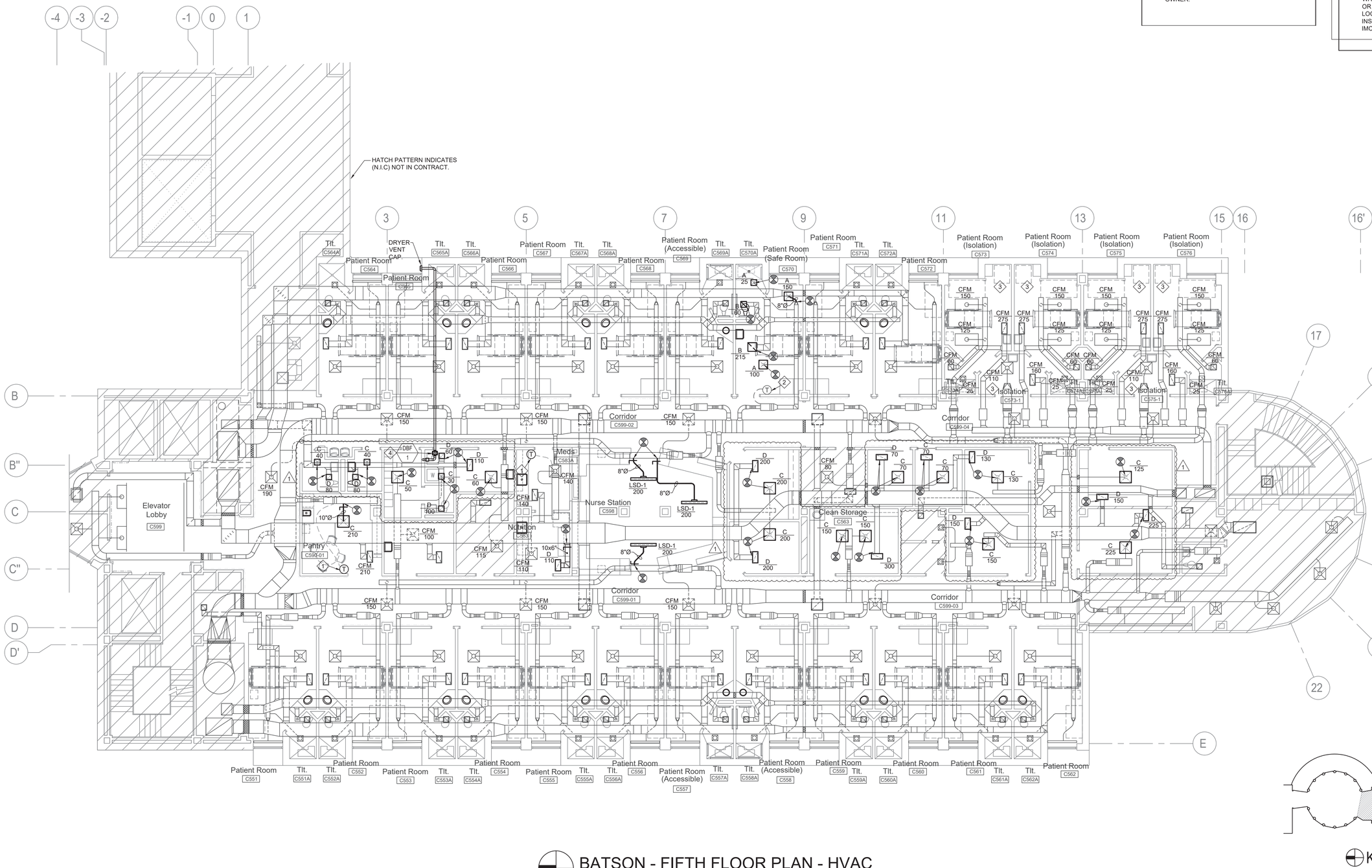
A. IN PATIENT ROOM (SAFE ROOM) C570 SECURITY GRILLES WILL BE PROVIDED WITH A FACE OPERATED VOLUME DAMPER, SO AN ACCESS DOOR WILL NOT BE REQUIRED. IF A VOLUME DAMPER FOR THE GRILLE IS ABOVE THE CEILING, A LIGATURE RESISTANT ACCESS DOOR WILL BE REQUIRED FOR BALANCING.

B. ADDITIONAL CFM SHOWN ON DRAWINGS IS FOR BALANCING ONLY.

C. HVAC CONTRACTOR TO PROVIDE LABOR TO REPLACE 10 EXISTING PATIENT ROOM THERMOSTATS WITH NEW OWNER-FURNISHED THERMOSTATS, AT LOCATIONS DIRECTED BY OWNER.

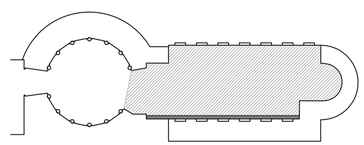
PLAN NOTES:

1. RELOCATED THERMOSTAT LOCATION.
2. PROVIDE ANTI-LIGATURE THERMOSTAT COVER EQUAL TO WEIZEL SECURITY MODEL NUMBER 812-S42 SR THERMOSTAT ENCLOSURE. COLOR SELECTED BY ARCHITECT.
3. CONTRACTOR SHALL RESET CONTROLS FOR PATIENT ISOLATIONS ROOM TO BE NEGATIVE TO ANTEROOM AND ANTEROOM TO COORIDOR. CFM OF GRILLES SHOWN ON PLANS.
4. 4" DRYER EXHAUST DUCT UP IN WALL TO CEILING. CONNECT TO LINT TRAP AND DRYER BOOSTER FAN AND CONTINUE EXTERIOR WALL. PROVIDE DRYER VENT CAP SEIHO SFB-P OR EQUAL. SEE DETAIL FOR LINT TRAP LOCATION. DRYER VENT TO BE PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH 2015 IMC 504.8.4.1 THRU 504.8.5.



BATSON - FIFTH FLOOR PLAN - HVAC

SCALE:1/8" = 1'-0"



KEY PLAN

1 ADDENDUM #1 - 10.20.25

ERG ENGINEERING RESOURCE GROUP, INC.
ERG.25.100

CHARLES E. MOORE 20102 7/1/2025 REGISTERED STATE OF MISSISSIPPI

1 July 2025
Batson 5th Floor Finish
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M201

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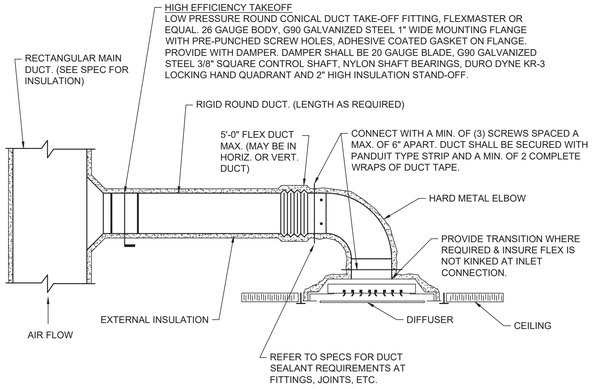
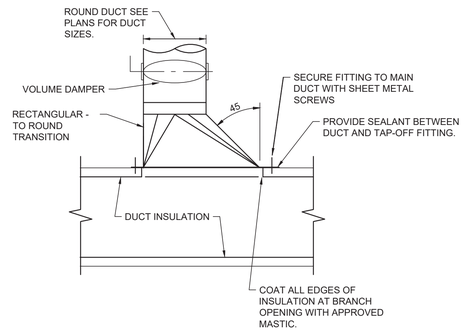
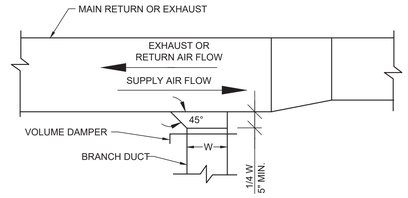
500 EAST WOODROW WILSON AVENUE JACKSON MS 39216 PH 6019697543 FAX 6019699374



TYPICAL ROUND SUPPLY BRANCH DUCT DETAIL — NO SCALE

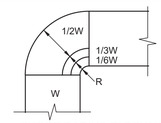


TAP - OFF FITTING FOR ROUND BRANCH DUCT TAP, TYPE "A" DETAIL — NO SCALE



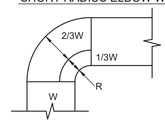
NOTE: SUPPLY DUCT TAP SIMILAR, EXCEPT AIR FLOW IS IN OPPOSITE DIRECTION

DETAIL OF SUPPLY, EXHAUST AND/OR RETURN BRANCH DUCT TAP, TYPE "B" — NO SCALE



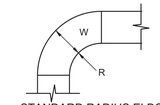
R SHALL EQUAL OR BE GREATER THAN 1/6W

SHORT RADIUS ELBOW WITH TWO VANES



R SHALL EQUAL OR BE GREATER THAN 1/3W

SHORT RADIUS ELBOW WITH ONE VANE



R SHALL EQUAL OR BE GREATER THAN W

STANDARD RADIUS ELBOW

NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL RADIUS ELBOWS SHOWN ON PLANS SHALL BE STANDARD RADIUS ELBOWS. SHORT RADIUS ELBOWS SHALL BE USED ONLY WHERE APPROVED BY THE ENGINEER. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

DETAILS OF RADIUS ELBOWS — NO SCALE

LINEAR DIFFUSER DETAIL ADJACENT TO SUSPENDED STRUCTURE — NO SCALE

NOTE:
1. REFER TO HVAC DUCT CONSTRUCTION STANDARDS, SMACNA, FOR ROUND DUCT HANGERS MINIMUM SIZE.
2. HANGERS MUST NOT DEFORM DUCT SHAPE.

DUCTWORK LOWER HANGER ATTACHMENTS DETAIL — NO SCALE

DRYER BOOSTER FAN EXHAUST SYSTEM DETAIL — NO SCALE

R:\00-2025 Projects\25 100 UMMC Batson 5th Floor\MECHANICAL\HVAC\25-100-UMC BATSON 5th-HVAC.dwg, 10/17/2025 1:28:58 PM, DWG To PDF.pc3

1 ADDENDUM #1 - 10.20.25

ENGINEERING RESOURCE GROUP, INC.
ERG
ERG25.100

GRADY E. MOORE
REGISTERED PROFESSIONAL ENGINEER
20102
1/1/2025
STATE OF MISSISSIPPI

1 July 2025

Batson 5th Floor Finish
The University of Mississippi Medical Center
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BURRIS/WAGNON ARCHITECTS, P.A.
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M501

DRYER BOOSTER FAN

TAG	MANUFACTURER AND MODEL NO.	TYPE	CFM	ESP	RPM	SOUND (dBA/SONES)	ELECTRICAL			ON/OFF	INTERLOCK	OP WT (LBS)	REMARKS
							BHP	HP	V/Ø				
1 DBF 1	FANTECH DBF110	CENTRIFUGAL INLINE	188	-	-	1	--	.54A	115/1	PRESSURE SENSING SWITCH	NONE	10	LINT TRAP BOX(MODEL DBLT4W)

AIR DISTRIBUTION DEVICE SCHEDULE

TAG	TYPE	MANUFACTURER & MODEL NO.	NECK SIZE	FACE SIZE	REMARKS
A	SURFACE MOUNTED SUPPLY AIR DEVICE	SEG-15D 4-WAY THROW	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	18"x18" OR 12"x12" FACE SIZE AS INDICATED ON PLANS. SURFACE MTD SECURITY GRILLE, NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW. PROVIDE FACE OPERATED OPPOSED BLADE DAMPER.
B	SURFACE MOUNTED RETURN / EXHAUST	KEES SEG-9SP3	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	18"x18" OR 12"x12" FACE SIZE AS INDICATED ON PLANS. SURFACE MTD SECURITY GRILLE, NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW. PROVIDE FACE OPERATED OBD.
C	CEILING MOUNTED SUPPLY AIR DEVICE	PRICE SPD	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	24"x24" OR 12"x12" FACE SIZE AS INDICATED ON PLANS. PROVIDE ALL SURFACE MOUNTED GRILLES WITH PLASTER FRAME MOUNT. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW.
D	CEILING MOUNTED RETURN / EXHAUST	PRICE 80	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	24"x24", 24"x12" OR 12x12" FACE SIZE AS INDICATED ON PLANS. PROVIDE ALL SURFACE MOUNTED GRILLES WITH SCREW HOLES. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW.

NOTES:

1. CEILING DIFFUSERS ARE 4-WAY UNLESS OTHERWISE NOTED BY SHADING ON PLANS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS.
3. AIR DEVICE FRAME AND STYLE SHALL MATCH CEILING TYPE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
4. REFER TO ARCHITECT FOR FINISHES AND COLOR OF DEVICES.
5. FACE SIZE TO BE NECK SIZE PLUS 2".

AIR DEVICE CONNECTION SCHEDULE

AIR QUANTITY (CFM)	CEILING MOUNTED NECK SIZE	SIDEWALL MOUNTED NECK SIZE	EXHAUST AIR GRILLE NECK SIZE	BRANCH DUCT SIZE	
				ROUND	ALTERNATE RECTANGULAR DUCT
0-100	6"Ø	8x4"	8x8"	6"Ø	8x4"
101-200	8"Ø	10x6"	8x8"	8"Ø	10x6"
201-350	10"Ø	12x8"	10x10"	10"Ø	12x8"
351-600	12"Ø	14x10"	12x12"	12"Ø	14x10"
601-850	14"Ø	16x12"	14x14"	14"Ø	16x12"
851-1200	16"Ø	18x16"	16x16"	16"Ø	18x16"

LINEAR SLOT DIFFUSERS SCHEDULE

TAG	MANUFACTURER & MODEL NO.	NO. OF SLOTS	SLOT WIDTH (IN)	TOTAL WIDTH (IN)	TOTAL LENGTH (FT)	BORDER TYPE	PATTERN	MOUNTING	PLENUM				MAX NC	REMARKS
									NUMBER	LENGTH (IN)	INLET (IN.)	TYPE		
LSD-1	PRICE AS215	1	1.5	7	4'-0"	21	ADJUSTA -SLOT	SUSPENDED	1	48	8	ASP	<25	FINISH TO BE SELECTED BY ARCH, PROVIDE WITH CABLE OPERATED DAMPER

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ENGINEERING RESOURCE GROUP, INC.

ERG
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M601

PLAN NOTES: (X)

1. REMOVE EXISTING MEDICAL GAS HEADWALL AS PER ARCHITECT INSTRUCTIONS. SEE NEW WORK PLAN FOR RECONNECTION TO NEW HEADWALL.
2. REMOVE EXISTING LAVATORY AND PORTION OF PIPING AS REQUIRED FOR INSTALLATION OF NEW LAVATORY.
3. REMOVE EXISTING PLUMBING FIXTURE AND CAP SERVICES IN WALL.
4. EXISTING ALARM PANEL TO REMAIN.
5. REMOVE PLUMBING FIXTURES IN THIS ROOM AND CAP AND CONCEAL / HIDE PLUMBING SERVICES AS REQUIRED.
6. REMOVE EXISTING WATER CLOSET AND PREP FOR NEW LIGATURE RESISTANT WATER CLOSET.
7. REMOVE EXISTING SHOWER FLOOR DRAIN AND SHOWER SUPPLY CONTROLS. PREP SERVICES FOR NEW LIGATURE RESISTANT FLOOR DRAIN AND SHOWER CONTROLS.
8. REMOVE EXISTING PLUMBING FIXTURE AND PREPARE EXISTING SERVICES FOR NEW LAVATORY.
9. REMOVE EXISTING WASHING MACHINE SERVICES AND PREPARE EXISTING SERVICES FOR NEW FIXTURES (LAVATORY AND WATER CLOSET).
10. EXISTING FLOOR DRAIN TO BE REMOVED AND REPLACED WITH NEW.
11. REMOVE EXISTING PLUMBING FIXTURE AND CAP SERVICES IN WALL.

(1)

HATCH PATTERN INDICATES (N.I.C) NOT IN CONTRACT.

-4 -3 -2 -1 0 1 3 5 7 9 11 13 15 16 16' 17 18 19 20 21 22

B B" C C" D D' E

BATSON - FIFTH FLOOR PLAN - PLUMBING DEMOLITION

SCALE:1/8" = 1'-0"

KEY PLAN

(1) ADDENDUM #1 - 10.20.25

ERG ENGINEERING RESOURCE GROUP, INC.
ERG.25.100

CHARLES E. MOORE 20102 7/1/2025 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI

1 July 2025

Batson 5th Floor Finish
The University of Mississippi Medical Center
(jackson, mississippi)

UMMC No. 2026397

BURRIS/WAGNON ARCHITECTS, P.A.
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GENERAL NOTES:

A. IN PATIENT ROOM (SAFE ROOM) C570 IF ANY VALVES ARE ABOVE THE CEILING IN THE BATHROOM, A LIGATURE RESISTANT ACCESS DOOR WILL BE REQUIRED.

B. PLUMBING CONTRACTOR TO PROVIDE LABOR TO INSTALL TEN (10) OWNER-FURNISHED FAUCET HANDLES IN PATIENT BATHS, AT LOCATIONS DIRECTED BE OWNER.

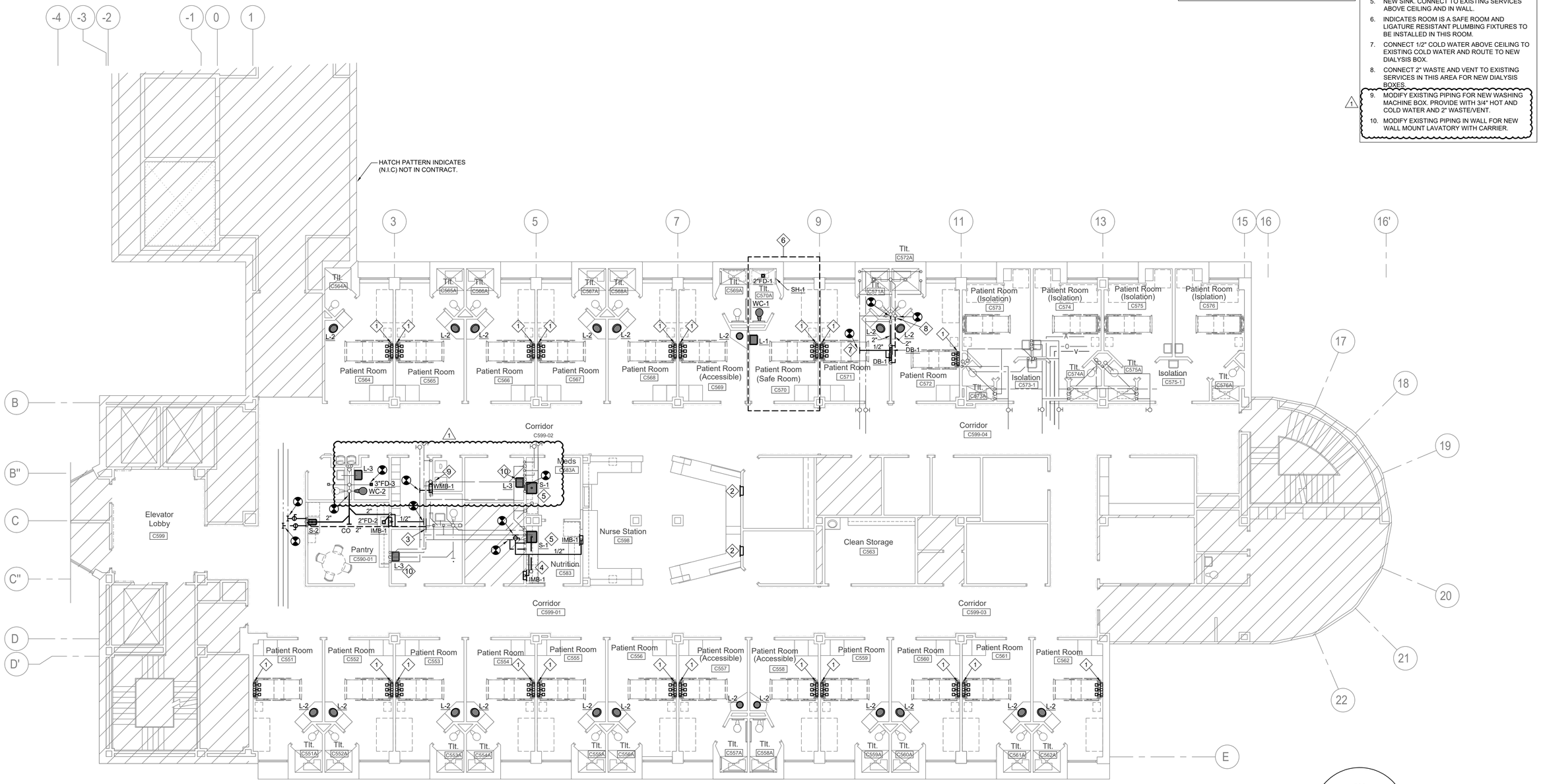
C. PLUMBING CONTRACTOR TO PROVIDE LABOR TO INSTALL TEN (10) OWNER-FURNISHED SPRAY HOSES IN PATIENT BATHS, AT LOCATIONS DIRECTED BE OWNER.

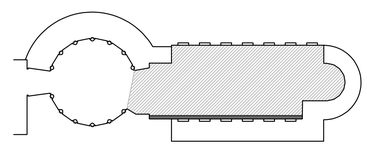
PLAN NOTES: (X)

1. CONTRACTOR SHALL MAKE FINAL CONNECT TO ARCHITECT SPECIFIED MEDICAL GAS HEADWALL. CONNECT TO PRE-PIPED MEDICAL GAS HEADWALL APPROXIMATELY THIS LOCATION. CONSOLE SHALL BE SUPPLIED WITH 2-AIR, 2-VACUUM, AND 2-OXYGEN OUTLETS.
2. EXISTING MEDICAL GAS ALARM PANELS TO REMAIN.
3. CONNECT 2" VENT TO EXISTING. VERIFY.
4. PIPE 1/2" DRAIN FROM ICE MAKER IN THIS AREA TO SINK TRAP. RUN IN CABINET SPACE AS REQUIRED.
5. NEW SINK. CONNECT TO EXISTING SERVICES ABOVE CEILING AND IN WALL.
6. INDICATES ROOM IS A SAFE ROOM AND LIGATURE RESISTANT PLUMBING FIXTURES TO BE INSTALLED IN THIS ROOM.
7. CONNECT 1/2" COLD WATER ABOVE CEILING TO EXISTING COLD WATER AND ROUTE TO NEW DIALYSIS BOX.
8. CONNECT 2" WASTE AND VENT TO EXISTING SERVICES IN THIS AREA FOR NEW DIALYSIS BOXES.

(1) 9. MODIFY EXISTING PIPING FOR NEW WASHING MACHINE BOX. PROVIDE WITH 3/4" HOT AND COLD WATER AND 2" WASTE/VENT.

10. MODIFY EXISTING PIPING IN WALL FOR NEW WALL MOUNT LAVATORY WITH CARRIER.





KEY PLAN

BATSON - FIFTH FLOOR PLAN - PLUMBING

SCALE:1/8" = 1'-0"

(1) ADDENDUM #1 - 10.20.25

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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPITION	MAKE	MODEL	SUPPLY FITTING	SUPPLY PIPE(S)	DRAIN	TRAP	GPM	MIXING VALVE	ROUGH-IN SIZES				REMARKS
										C.W.	H.W.	WASTE	VENT	
WC-1	WATER CLOSET, WALL MTD., LIGATURE RESISTANT, F.V., A.D.A.	WHITEHALL	WH2142-W-3-EGE10_10	WHITEHALL WH2803-1H RECESSED MOUNTED	---	---	---	1.28	---	1"	--	4"	4"	FURNISH WITH FLUSH VALVE COVER (WH2802-ADA), LIGATURE RESISTANT SEAT COVER (WH-LRSC-WHITE). SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
L-1	LAVATORY, A.D.A. LIGATURE RESISTANT	WHITEHALL	WH3775-MC	WHITEHALL WH3375-SO	McGUIRE LFBV 2165CCSS12F	DEARBORN BRASS 760-1	DEARBORN BRASS 5504-1	.35	LEONARD 170-LF	1/2"	1/2"	2"	2"	120V/1PHASE 1
L-2	LAVATORY, DROP IN, A.D.A.	ELKAY	RLR12FB	1 ZURN Z831B4-XL	McGUIRE LFBV 2165CCSS12F	DEARBORN BRASS 760-1	DEARBORN BRASS 5504-1	.35	LEONARD 170-LF	1/2"	1/2"	2"	2"	-
L-3	LAVATORY (WALL MOUNTED, A.D.A.) FAUCET (MANUAL)	SLOAN	SS-3065	DELTA 27C4854	McGUIRE LFBV 2165CCSS12F	DEARBORN BRASS 760-1	DEARBORN BRASS 5504-1	1.8	LEONARD 170-LF	1/2"	1/2"	2"	2"	0.5 GPM, FLOOR MOUNTED CARRIERS, A.D.A. COMPLIANT (SEE ARCH. FOR MOUNTING HEIGHT), DECK MOUNT, CERAMIC STRUCTURES, INSULATE P-TRAP AND SUPPLY PIPES WITH TRUEBRO 102G/105. LESS POP-UP DRAIN. PROVIDE LAVATORY WITH SHROUD.
S-1	SINK	ELKAY	DLR-2222-10	DELTA 9179-DST	McGUIRE LFBV 2165CCSS12F	DEARBORN BRASS 760-1	DEARBORN BRASS 5504-1	1.8	LEONARD 270-LF	1/2"	1/2"	2"	2"	-
S-2	PANTRY SINK	ELKAY	ECTRU12179TFCBC	ELKAY LKAV3032	McGUIRE LFBV 2165CCSS12F	DEARBORN BRASS 760-1	DEARBORN BRASS 5504-1	1.8	LEONARD 270-LF	1/2"	1/2"	2"	2"	-
SH-1	SHOWER HEAD, CONTROLS, A.D.A., MIXING VALVE, LIGATURE RESISTANT	WHITEHALL	SURFACE MTD. WH458-CSH	--	--	--	--	---	LEONARD 270-LF	1/2"	1/2"	--	--	-
FD-1	FLOOR DRAIN - POLISHED BRONZE, LIGATURE RESISTANT	WHITEHALL	WHFD-6RD-2NH	--	--	--	--	---	---	--	--	3"	2"	-
FD-2	RECESSED RIM FLOOR DRAIN	ZURN	ZN-415I	---	---	---	---	---	---	--	--	SEE PLAN	SEE PLAN	
DB-1	DIALYSIS BOX	WHITEHALL	8196	---	---	---	---	---	---	1/2"	--	2"	2"	INSTALLATION LOCATION TO BE DETERMINED BY OTHERS.
IMB-1	ICE MAKER BOX	GUY GRAY	88133	---	---	---	---	---	---	1/2"				
WMB-1	WASHING MACHINE BOX	GUY GRAY	WB200	---	---	---	DEARBORN BRASS 5504-1	---	---	3/4"	3/4"	2"	2"	
WC-2	WATER CLOSET (WALL MOUNTED, FLUSH VALVE, A.D.A.) FLUSH VALVE (BATTERY OPERATED)	SLOAN	ST-2459	SLOAN ECOS 8111-1.28	---	---	---	1.28	---	1"	--	4"	2"-4"	1.28 GPF, MODIFY HEIGHT OF FLUSH VALVE AS REQUIRED FOR HANDRAIL, TRAP PRIMER AS REQUIRED, BEMIS 1055SSC OPEN FRONT WHITE SEAT, SELF-SUSTAINING HINGES W/S.S. POST AND PINTLES, FLOOR MOUNTED CARRIER
FD-3	FLOOR DRAIN	ZURN	ZN-415BS-P	---	---	---	---	---	---	--	--	SEE PLAN	SEE PLAN	REPLACE EXISTING FLOOR DRAIN WITH NEW. CONNECT EXISTING TRAP PRIMER PIPING TO NEW DRAIN. IF NOT AVAILABLE, INSTALL WITH SURE SEAL TRAP GUARD.

1 ADDENDUM #1 - 10.20.25

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ENGINEERING
RESOURCE GROUP, INC.

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1 July 2025

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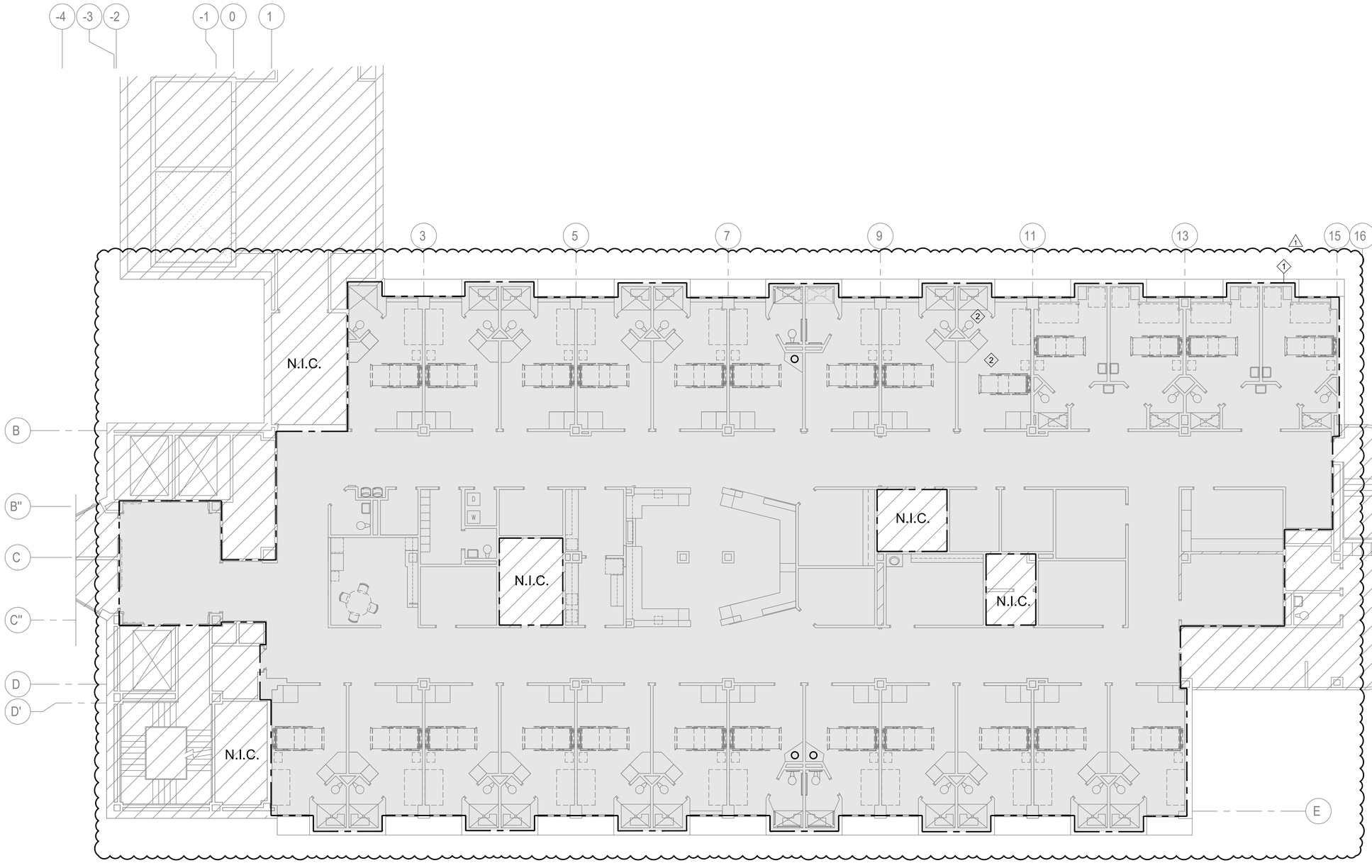
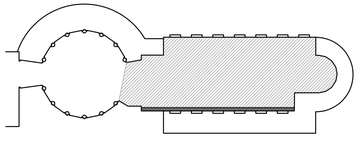
GENERAL NOTES:

A. MODIFY EXISTING SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13.
B. ALL NEW FLEXIBLE CONNECTORS SHALL BE BRAIDED STAINLESS STEEL TYPE.
C. NEW SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF TILES.
D. INSTALL SPRINKLERS AS REQUIRED. INSTALL UPRIGHT HEADS WHERE CEILING ARE ABSENT.

PLAN NOTES: (X)

1. MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED FOR NEW CEILING AND WALL LAYOUT.
2. INSTALL LIGATURE RESISTNT SPRINKLER HEADS IN ROOM





KEY PLAN

BATSON - FIFTH FLOOR PLAN - FIRE PROTECTION

SCALE:1/8" = 1'-0"

1 ADDENDUM #1 - 10.20.25

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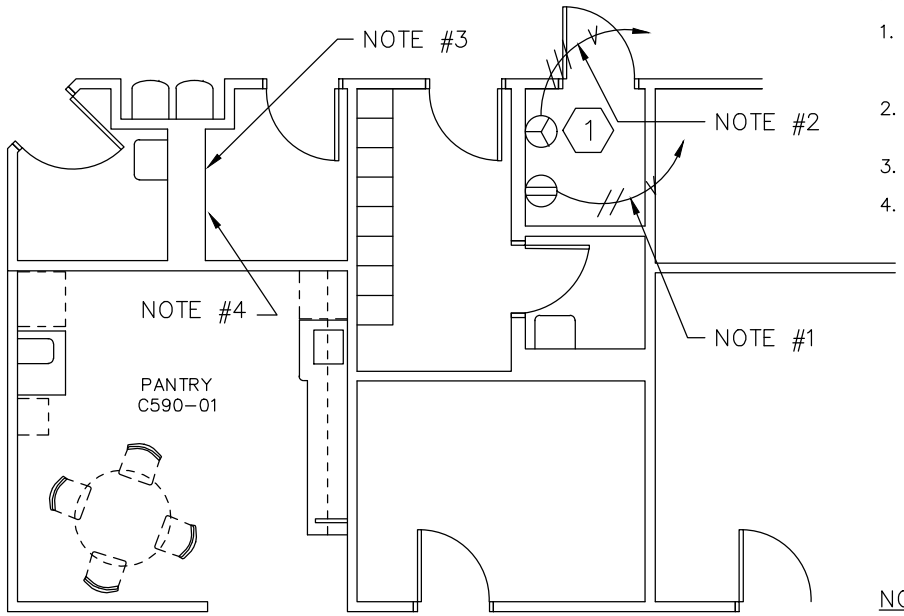
WIRING DEVICES SYMBOLS LEGEND

⊛	GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 250/120 VOLTS, NEMA 14–30R FOR 30A BRANCH CIRCUIT UNLESS INDICATED OTHERWISE, FLUSH MOUNT C.L. UP 18" A.F.F. OR AS INDICATED.

POWER CONNECTION SCHEDULE

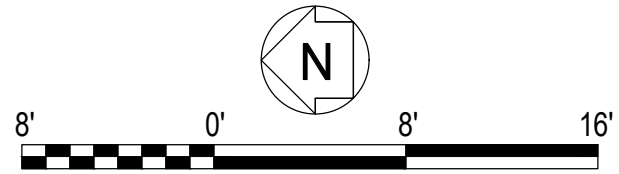
MARK (*)	EQUIPMENT	VOLTAGE /PHASE	FLA	KW	HP	PANEL CKT. NO.	BRANCH CIRCUIT (1)	DISC. SW./ FUSE (2)	REMARKS
1	DRYER BOOSTER FAN	120/1	9.8	–	.54	–	2 – #12, 1 – #12G, 1/2"c.	–	3,4



POWER

PARTIAL FIFTH FLOOR PLAN

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

POWER CONNECTION REMARKS:

1. CIRCUIT TO INCLUDE ONE (1) GREEN GROUNDING CONDUCTOR (G) SIZED PER BRANCH CIRCUIT SIZE UNLESS SHOWN TO BE SIZED DIFFERENTLY. MINIMUM CONDUCTOR REQUIREMENT 2–#12, 1–#12G, 1/2"C.
2. DUAL ELEMENT TYPE FUSE AND SWITCH OF PROPER VOLTAGE. IF FUSE SIZE NOT SHOWN, UNIT TO BE UNFUSED.
3. CONNECT THRU CONTROLS PROVIDED BY MECHANICAL.
4. CONNECT TO SPARE 20A1P BREAKER, OR PROVIDE NEW 20A1P BREAKER, IN EXISTING PANEL "L5A".

NOTES:

1. CONNECT TO SPARE 20A1P BREAKER, OR PROVIDE NEW 20A1P BREAKER, IN EXISTING PANEL "L5A" FOR NEW WASHING MACHINE.
2. CONNECT TO SPARE 30A2P BREAKER, OR PROVIDE NEW 30A2P BREAKER, IN EXISTING PANEL "L5A" FOR NEW DRYER. BRANCH CIRCUIT TO BE #10, 3/4"c.
3. REMOVE CONNECTION TO EXISTING DRYER. BLANK OFF EXISTING RECEPTACLE.
4. REMOVE CONNECTION TO EXISTING WASHING MACHINE. BLANK OFF EXISTING RECEPTACLE.

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STANLEY D. SCHULTZ — REGISTERED PROFESSIONAL ENGINEER — 6530 — STATE OF MISSISSIPPI

20 October 2025
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