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Drawing Issue Dates

Schematic Design Submittal
9/01/2023

Design Development Submittal
10/09/2023

50% Construction Documents
12/08/2023

90% Construction Document
03/08/2024

Bid Set / Permit Set
03/08/2024

Revision Schedule

#	Description	Date
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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

A	AMPERE
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPLIFIER
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BB	BACKBONE
BC	BONDING CONDUCTOR
CCTV	CLOSED CIRCUIT TELEVISION
C	CEILING MOUNTED
CMP	COMMUNICATIONS PLENUM
CMR	COMMUNICATIONS RISER
CU	COPPER
DA	DIAMETER
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
ER	EQUIPMENT ROOM (MDF)
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FT	FEET
GC	GENERAL TRADES CONTRACTOR
GND	GROUND
IN	INCHES
IP	INTERNET PROTOCOL
JB	JUNCTION BOX
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
M	METER
MC	MECHANICAL CONTRACTOR
MCC	MAIN CROSS CONNECT
MFR	MANUFACTURER
MH	MANHOLE
MHZ	MEGAHERTZ
MMF	MULTIMODE FIBER
mm	MILLIMETER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFCO	OWNER FURNISHED, OWNER INSTALLED
OFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
PA	PUBLIC ANNOUNCEMENT
PL	PROPERTY LINE
PLE	PLENUM
POE	POWER OVER ETHERNET
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
REV	REVISION
RM	ROOM
S	STRAND
SFP	SMALL FORM-FACTOR PLUGGABLE
SMF	SINGLE MODE FIBER
SP	SERVICE PROVIDER
TBCC	TELECOMMUNICATIONS BACKBONE BONDING CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOM ROOM (IDF)
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED, TWISTED PAIR
V	VOLTS
WAN	WIDE AREA NETWORK
AP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WM	WALL MOUNTED
WP	WEATHERPROOF

TELECOM SYMBOLS

	SINGLE-PORT WALL DATA OUTLET MOUNTED AT 4' AFF. UNO.	SINGLE GANG, ONE-PORT FACEPLATE. PROVIDE ONE CAT6 CABLE. TERMINATED ON PATCH PANEL IN TELECOM ROOM.
	WORKSTATION WALL OUTLET MOUNTED AT 18" AFF. UNO.	SINGLE GANG, TWO-PORT FACEPLATE. PROVIDE TWO CAT6 CABLES. TERMINATED ON PATCH PANEL IN TELECOM ROOM.
	RECESSED WORKSTATION FLOOR OUTLET.	SINGLE GANG, SIX-PORT FACEPLATE. "X" SUB-SCRIPT = NUMBER OF DATA PORTS. PROVIDE SAME NUMBER OF CAT6 CABLES AS SUB-SCRIPT NUMBER. TERMINATED ON PATCH PANEL IN TELECOM ROOM.
	WORKSTATION WALL OUTLET WITH (1) HDMI JACK AND (1) DATA PORT. MOUNTED AT 18" AFF. UNO.	SINGLE GANG FACEPLATE. PROVIDE SINGLE HDMI FEMALE PORT AND ONE DATA PORT. PROVIDE (1) HDMI CABLE FROM WORKSTATION WALL OUTLET TO LOCAL TV OUTLET. PROVIDE (1) CAT6 CABLE TO TR PATCH PANEL.
	WALL-MOUNTED TV OUTLET WITH (1) DATA AND (1) HDMI JACK. OUTLET MOUNTED AT 60" AFF. UNO.	PROVIDE ONE CAT6 CABLE FROM TV OUTLET TO TELECOM ROOM PATCH PANEL. EXTEND AND TERMINATE HDMI CABLE FROM FLOOR OUTLET OR WORKSTATION OUTLET. SEE SPECIFICATION FOR WHEN SHIELDED CAT6 IS REQUIRED FOR HDMI EXTENSION.
	DATA OUTLET FOR WIRELESS ACCESS POINT. CEILING MOUNTED. W = WALL MOUNTED.	PROVIDE ONE CAT6 CABLE TO CAT6A PATCH PANEL IN TR. PROVIDE EXTRA 20' COIL OF CABLE AND ONE 12-INCH PATCH CORD AT FINAL WAP LOCATION.
	SOUND REINFORCEMENT SPEAKER, FLUSH MOUNTED.	ROUGH-IN ONLY. OWNER PROVIDING DEVICE AND CABLING.
	SOUND REINFORCEMENT SPEAKER, SURFACE MOUNTED.	ROUGH-IN ONLY. OWNER PROVIDING DEVICE AND CABLING.
	PA SPEAKER, SURFACE MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.
	PA SPEAKER, FLUSH MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.
	RECESSED CEILING MOUNTED DATA OUTLET.	PROVIDE ONE CAT6 CABLE. TERMINATED ON CAT6 JACK IN PATCH PANEL AND INSIDE DATA OUTLET. PROVIDE EXTRA 10' COIL OF CABLE AND ONE 12-INCH PATCH CORD AT FINAL DEVICE LOCATION.
	VOLUME CONTROL FOR PAGING SYSTEM. MOUNTED AT 48" AFF. UNO.	PROVIDE VOLUME CONTROL AND CABLING PER SPECIFICATION.
	WALL MOUNTED WIRELESS MICROPHONE ANTENNA OUTLET FOR LOOP MICROPHONE SYSTEM. MOUNTED AT 7'-10" AFF. UNO.	ROUGH-IN ONLY. OWNER PROVIDING DEVICE AND CABLING.
	WALL-MOUNTED BLUETOOTH AUDIO INPUT OUTLET MOUNTED AT 48" AFF. UNO.	ROUGH-IN ONLY. OWNER PROVIDING DEVICE AND CABLING.
	WALL-MOUNTED AV TOUCH PANEL OUTLET. MOUNTED AT 48" AFF. UNO.	ROUGH-IN ONLY. OWNER PROVIDING DEVICE AND CABLING.

NOTE: NOT ALL SYMBOLS MAY BE USED.

LINE TYPE LEGEND

	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW WORK

TELECOM REQUIREMENTS

4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. CABLE TRAY OR TELECOM ROOM.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. CABLE TRAY OR TELECOM ROOM.
MULTI-SERVICE POWER/DATA FLOOR BOX. (1) 1" CONDUIT FOR POWER AND (1) 1" FOR DATA FROM BOX TO ABOVE ACCESSIBLE CEILING. CABLE TRAY OR TELECOM ROOM. SEE DIVISION 26 FOR BOX INFORMATION.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING. (1) 1" AND (1) 1/2" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING. (1) 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. OR TO FLOOR BOX.
4-11/16" SQUARE, 2-1/2" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
4-11/16" SQUARE, 2-1/2" DEEP BOX 3/4"C TO NEXT SPEAKER, TO CABLE TRAY OR TO AV EQUIPMENT CABINET.
4-11/16" SQUARE, 2-1/2" DEEP BOX 3/4"C TO NEW SPEAKER OR TO AV EQUIPMENT CABINET.
4-11/16" SQUARE, 2-1/2" DEEP BOX 3/4"C TO NEXT SPEAKER, TO CABLE TRAY OR TO TELECOM ROOM.
4-11/16" SQUARE, 2-1/2" DEEP BOX 3/4"C TO NEXT SPEAKER, TO CABLE TRAY OR TO TELECOM ROOM.
4-11/16" SQUARE, 2-1/2" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
4-11/16" SQUARE, 2-1/2" DEEP BOX WITH A SINGLE GANG PLASTER RING. 3/4" C TO ABOVE ACCESSIBLE CEILING, CABLE TRAY, OR TELECOM ROOM.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A DOUBLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. CABLE TRAY OR TELECOM ROOM.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A DOUBLE GANG PLASTER RING. 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING. (1) 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.

PATHWAY REQUIREMENTS

4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. PROVIDE CAMERA, CAT6 CABLE AND "BISQUIT" OUTLET.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. 48" AFF. 1/2" WITH KEYPAD
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO TELECOM RACK.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO DOOR CHIME.
4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO DOOR BELL.

SECURITY SYMBOLS

	VIDEO SURVEILLANCE CAMERA, OWNER FURNISHED OWNER INSTALLED - CEILING MOUNTED 180° = DUAL LENS CAMERA 360° = QUAD LENS CAMERA D° = DOME LENS CAMERA
	ALARM HORN, OWNER FURNISHED OWNER INSTALLED
	CARD READER, OWNER FURNISHED OWNER INSTALLED
	DOOR CONTACT, OWNER FURNISHED OWNER INSTALLED
	GLASS BREAK SENSOR, OWNER FURNISHED OWNER INSTALLED
	MOTION DETECTOR, OWNER FURNISHED OWNER INSTALLED
	CCTV MONITOR STATION, OWNER FURNISHED OWNER INSTALLED
	PUSH BUTTON - PANIC, OWNER FURNISHED OWNER INSTALLED
	PUSH BUTTON - LOCK DOWN, OWNER FURNISHED OWNER INSTALLED
	INTERCOM - STATION, OWNER FURNISHED OWNER INSTALLED
	DOOR BELL, OWNER FURNISHED OWNER INSTALLED
	DOOR BELL CHIME, OWNER FURNISHED OWNER INSTALLED

NOTE: NOT ALL SYMBOLS MAY BE USED.

SECURITY KEYNOTES

- PROVIDE CAT6 CABLE FROM CARD READER TO NEAREST ER/TR AND LEAVE WITH A 10' SERVICE LOOP COILED AT THE BACKBOARD SPACE RESERVED FOR THE OWNERS PROVIDED CONTROL UNITS.
- CONTRACTOR SHALL PLAN FOR ONE PRE-INSTALLATION MEETING WITH OWNER, DOOR HARDWARE SUPPLIER, SECURITY CONTRACTOR, AND ARCHITECT TO REVIEW LOCATIONS AND INSTALLATION REQUIREMENTS.
- ALL SECURITY DEVICES SHOWN ON FLOOR PLANS SHALL BE ROUGH-IN AND PATHWAYS ONLY WITH DEVICES AND CABLING PROVIDED BY CML'S SECURITY VENDOR.

Barnett Camera Schedule

Number	Type	Mounting	Environment	Description	Sheet
1	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NW Corner	T101
2	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NE Corner	T101
3	Outdoor dual-lens	Ext wall mount	Exterior	East Mechanical Doors	T101
4	Outdoor 360 (4 lens)	Ext corner mount	Exterior	East Outdoor	T101
5	Outdoor dome	Ext wall mount	Exterior	East Ext Emergency Exits	T101
6	Outdoor 360 (4 lens)	Ext corner mount	Exterior	SE Corner	T101
7	Outdoor 360 (4 lens)	Ext corner mount	Exterior	SW Corner	T101
8	Outdoor 360 (4 lens)	Ext corner mount	Exterior	West Public Entrance/Lot	T101
9	Outdoor dome	Ext wall mount	Exterior	West/Lot	T101
10	Outdoor dome	Ext wall mount	Exterior	Ext Staff Door	T101
11	Indoor dome	Int ceiling mount	Interior	Children's Facing North	T101
12	Indoor dome	Int ceiling mount	Interior	Children's Facing West	T101
13	Indoor dome	Int ceiling mount	Interior	School Help Center	T101
14	Indoor dome	Int ceiling mount	Interior	Recording Studio	T101
15	Indoor dome	Int ceiling mount	Interior	Game Room	T101
16	Indoor dome	Int wall mount	Interior	Teen Area Facing NE	T101
17	Indoor dome	Int wall mount	Interior	Teen Area Facing SW	T101
18	Indoor dual-lens	Int ceiling mount	Interior	SE Hallway	T101
19	Indoor dome	Int ceiling mount	Interior	Small Meeting Rm 3	T101
20	Indoor dome	Int ceiling mount	Interior	Small Meeting Rm 2	T101
21	Indoor dome	Int ceiling mount	Interior	Large Meeting Rm 1	T101
22	Indoor 360 (4 lens)	Int ceiling mount	Interior	Public Entrance/Circ Desk/ West Hallway	T101
23	Indoor 360 (4 lens)	Int ceiling mount	Interior	Public Area/Restrooms	T101
24	Indoor 360 (4 lens)	Int ceiling mount	Interior	Public Area North	T101
25	Indoor dome	Int ceiling mount	Interior	NE Corner Facing West	T101
26	Indoor dome	Int ceiling mount	Interior	Quiet Room	T101
27	Indoor dome	Int ceiling mount	Interior	NW Corner Facing East	T101
28	Indoor dome	Int ceiling mount	Interior	Staff Entrance Door	T101

- CAMERA SCHEDULE NOTES:
- REFER TO FLOOR PLANS FOR CAMERA LOCATIONS.
 - CAMERAS SHOWN ON SCHEDULE AND FLOOR PLANS ARE ROUGH-IN AND PATHWAY ONLY. CML'S SECURITY VENDOR SHALL PROVIDE CAMERAS.
 - CAMERA SCHEDULE IS FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH CML AND CML'S SECURITY VENDOR PRIOR TO ROUGH-IN TO CONFIRM SCHEDULE ACCURACY.



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Bid Set / Permit Set	03/08/2024

Revision Schedule		
#	Description	Date
2	Addendum	04/02/24

GENERAL SHEET NOTES

- COORDINATE ALL ROUGH-IN AND PATHWAY REQUIREMENTS FOR DEVICES IN CASEWORK, AND FURNITURE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ROUGH IN.
- COORDINATE ROUGH-IN REQUIREMENTS AND LOCATIONS FOR ALL AV DEVICES WITH CML'S AV VENDOR.
- ALL SECURITY DEVICES SHOWN ARE ROUGH-IN AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.
- COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECTURAL FURNITURE AND ELECTRICAL POWER DRAWINGS PRIOR TO ROUGH IN.
- ALL DATA CABLES SHALL BE ROUTED IN CABLE TRAY, J-HOOKS, OR CONDUIT. CABLES SHALL BE ROUTED INCONSPICUOUSLY, PARALLEL TO BUILDING STRUCTURES AND DUCTWORK, ETC.
- PROVIDE FIRESTOPPING AROUND ALL TELECOMMUNICATIONS CONDUITS AND PENETRATIONS.
- ALL DATA CABLING SHALL BE HOMERUN TO IT CLOSET 121.
- MOUNT AT EXTERIOR SECURITY CAMERAS AT 10'-0" AFG.
- EXTEND EXISTING CABLING FROM EXISTING DEVICES TO NEW DATA 4-POST RACKS AND TERMINATE.

SHEET KEYNOTES

- PROVIDE DATA OUTLET FOR ELECTRICAL EQUIPMENT MONITORING. COORDINATE EXACT LOCATION AND REQUIREMENT WITH ELECTRICAL CONTRACTOR.
- PROVIDE TWO PORT DATA OUTLET IN 2-GANG DUAL SERVICE RECESSED TV OUTLET BOX MOUNTED AT 4" AFF FOR ROOM SCHEDULING PANEL. UTILIZE LOW VOLTAGE SIDE WITH 1-1/4" KNOCKOUTS FOR DATA CABLING AND TWO PORT FACEPLATE. REFER TO DETAIL 10 ON SHEET 1501 FOR ADDITIONAL INFORMATION.
- PROVIDE DATA OUTLET FOR BAS PANEL. COORDINATE EXACT LOCATION AND REQUIREMENT WITH CONTROLS CONTRACTOR.
- PROVIDE TWO PORT DATA OUTLET MOUNTED AT 4" AFF. FOR STUDENT SIGN IN COMPUTER.
- PROVIDE 12" W X 4" D WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING, MOUNTED AT 9'-0" AFF.
- PROVIDE 12" W X 4" D WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING, MOUNTED AT 12'-0" AFF.
- PROVIDE NEW WALL MOUNTED WEATHERPROOF WIRELESS ACCESS POINT AND DATA CABLING, USING SAME ROUGH-IN AND PATHWAY AS PREVIOUS DEVICE AND CABLING. REFER TO SHEET TD101 FOR DEMO WORK IN THIS LOCATION.
- PROVIDE (3) 4" CONDUIT SLEEVES FOR HORIZONTAL CABLING THROUGH WALL, MOUNTED AT 12'-0" AFF.
- 4-GANG FLOOR BOX FOR POWER AND DATA. PROVIDE THE SAME NUMBER OF CAT6 CABLES AND PORTS AS INDICATED BY THE SUB-SCRIPT TO THE FLOOR BOX. PROVIDE (1) DATA FURNITURE WHIP FROM FLOOR BOX THROUGH SYSTEMS FURNITURE TO WORKSTATION DEVICE. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION ABOUT FLOOR BOXES.
- PROVIDE DATA OUTLET FLUSH MOUNT IN CEILING FOR PEOPLE COUNTER SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- EMERGENCY LOCK DOWN PUSH BUTTON MOUNTED UNDERNEATH THE COUNTER PROVIDED BY CML'S SECURITY VENDOR. LOCKDOWN SIGNALS SHALL LOCK PUBLIC ENTRY DOORS AND SIGNALS BE TRANSMITTED TO 911 AND CML'S MAIN SECURITY CONTROL CENTER.
- DOORBELL CHIME PROVIDED BY CML'S SECURITY VENDOR. PROVIDE 1" CONDUIT TO BOOK DROP AND STAFF ENTRANCE DOORBELLS.
- PROVIDE DATA OUTLET FLUSH MOUNT IN CEILING FOR OWNER PROVIDED THEFT DETERRENT SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- MAINTAIN EXISTING FLOOR BOX AND DATA FURNITURE WHIP TO EXISTING CATALOG COMPUTER.
- PROVIDE (1) HIGH DATA/HDMI OUTLET MOUNTED AT 72" FOR DRAW ALIVE PROJECTION SYSTEM, AND PROVIDE (1) LOW DATA/HDMI OUTLET MOUNTED AT 42" FOR DRAW ALIVE INPUT STATION. HIGH AND LOW HDMI'S SHALL BE CONNECTED TOGETHER WITH A 1-1/4" CONDUIT.
- PROVIDE AMPLIFIER ABOVE CEILING IN AN ACCESSIBLE LOCATION FOR PENDANT MOUNTED SPEAKER DOME SYSTEM. PROVIDE (3) #18AWG SPEAKER CONDUCTORS FROM AMPLIFIER AND (3) #18AWG MICROPHONE CONDUCTORS TO SPEAKER DOME. COORDINATE WITH SPEAKER MANUFACTURER FOR EXACT REQUIREMENTS. REFER TO ELECTRICAL FLOOR SHEETS FOR POWER REQUIREMENTS.
- MOUNT PA SPEAKER FLUSH INTO SOFFIT.
- PROVIDE (8) DATA DROPS FROM FLOOR BOX ROUTED THROUGH SYSTEMS FURNITURE TO DATA DEVICES IN SYSTEMS FURNITURE.
- PROVIDE (9) DATA DROPS FROM FLOOR BOX ROUTED THROUGH SYSTEMS FURNITURE TO DATA DEVICES IN SYSTEMS FURNITURE.
- PROVIDE A RECESSED 2-GANG ROUGH-IN FOR CML PROVIDED SHORT THROW PROJECTOR AT 9'-2" AFF. PROVIDE 1" CONDUIT FROM ROUGH-IN TO ABOVE ACCESSIBLE CEILING. COORDINATE EXACT REQUIREMENTS WITH CML'S AV VENDOR.
- PROVIDE DATA OUTLET IN 2-GANG DUAL SERVICE RECESSED TV OUTLET BOX. UTILIZE LOW VOLTAGE SIDE WITH 1-1/4" KNOCKOUTS FOR DATA AND AV CABLING. REFER TO DETAIL 10 ON SHEET 1501 FOR ADDITIONAL INFORMATION.
- PROVIDE DATA OUTLET FOR CML PROVIDED AV CABINET. COORDINATE EXACT REQUIREMENTS WITH CML'S AV VENDOR PRIOR TO ROUGH-IN.
- PROVIDE ROUGH-IN FOR CARD READER AND 3/4" CONDUIT TO PUSH BUTTON. CARD READER SHALL ACTIVATE PUSH BUTTON NOT DOOR 109. COORDINATE EXACT REQUIREMENTS WITH CML'S SECURITY VENDOR PRIOR TO ROUGH-IN.
- RELOCATE EXISTING SPEAKER TO THIS LOCATION AND MAKE FINAL CONNECTIONS.

ALL SPEAKERS TO BE TIED INTO OWNER CMAR PROVIDED PAGING SYSTEM

Study A Room 124
- 43" SAMSUNG TV WALL MOUNTED WITH HDMI WALL CONNECTION - AIRMEDIA

Large Meeting Room 112
- ULTRA SHORT THROW PROJECTOR
- LOOP HEARING ASSIST SYSTEM
- MICROPHONES
- WALL CONTROL PANEL
- WALL CONNECTIONS
- SPEAKERS
- AIRMEDIA

Small Meeting Room 111
- 65" SAMSUNG TV ON OWNER PROVIDED CART WITH HDMI WALL CONNECTION
- LOOP HEARING ASSIST SYSTEM
- MICROPHONES
- SPEAKERS

Small Meeting Room 110
- 65" SAMSUNG TV ON OWNER PROVIDED CART WITH HDMI WALL CONNECTION
- LOOP HEARING ASSIST SYSTEM
- MICROPHONES
- SPEAKERS

- AV RACK IN ROOM 114

- INSTALL MUSIC STREAMING SPEAKERS ON WESTERN EXTERIOR WALL

- 65" SAMSUNG TV ON WALL (DISCOVERY BOARD)

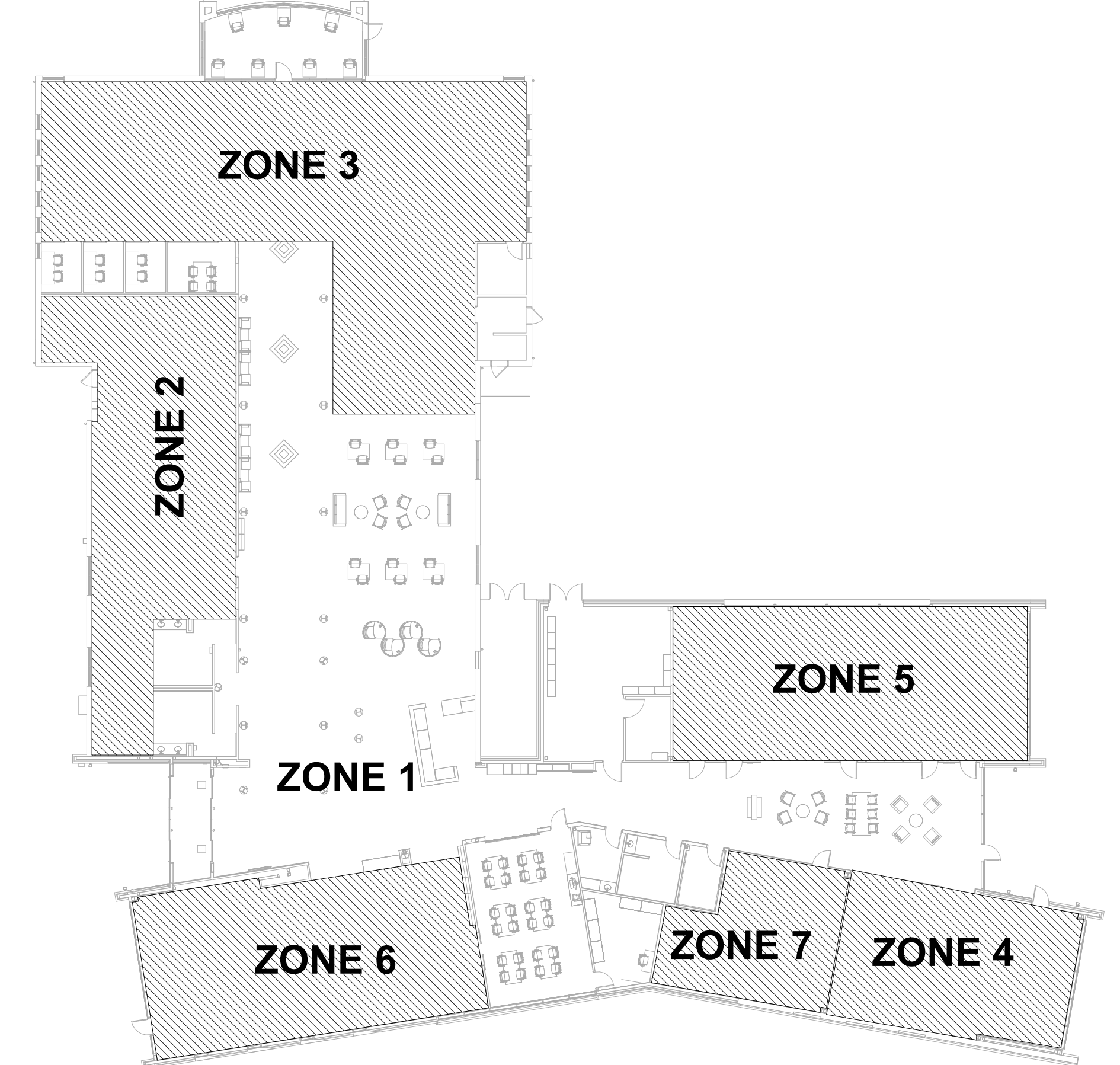
Children's Room 101
- INSTALLATION OF OWNER SUPPLIED DRAW ALIVE SYSTEM WITH ULTRA SHORT THROW PROJECTOR

Children's Room 101
- CONTROL PANEL FOR SOUND SYSTEM
- MICROPHONES
- SPEAKERS

School Help Room 102
- CONTROL PANEL FOR SOUND SYSTEM
- MICROPHONES
- SPEAKERS

Game Room 108
- CONTROL PANEL FOR SOUND SYSTEM
- MICROPHONES
- SPEAKERS
- 65" GAMING TV WALL MOUNTED

Teen Room 109
- YOUEMEDIA 65" SAMSUNG TV WALL MOUNTED
- YOUEMEDIA DISPLAY SWITCHER SYSTEM



1 FIRST FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"

2 FIRST FLOOR PLAN - P/A PAGING ZONES
3/8" = 1'-0"

Autodesk Docs/Barnett Metropolitan Library/Barnett_CML_v22 - MEP.rvt

4/2/2024 11:08:24 AM

CML Barnett Branch Addition/Renovation

3434 E Livingston Ave. Columbus, OH 43227



FIRST FLOOR PLAN - TELECOM

T101
03/08/2024

22/160

Schematic Design Submittal	9/01/2023
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Revision Schedule

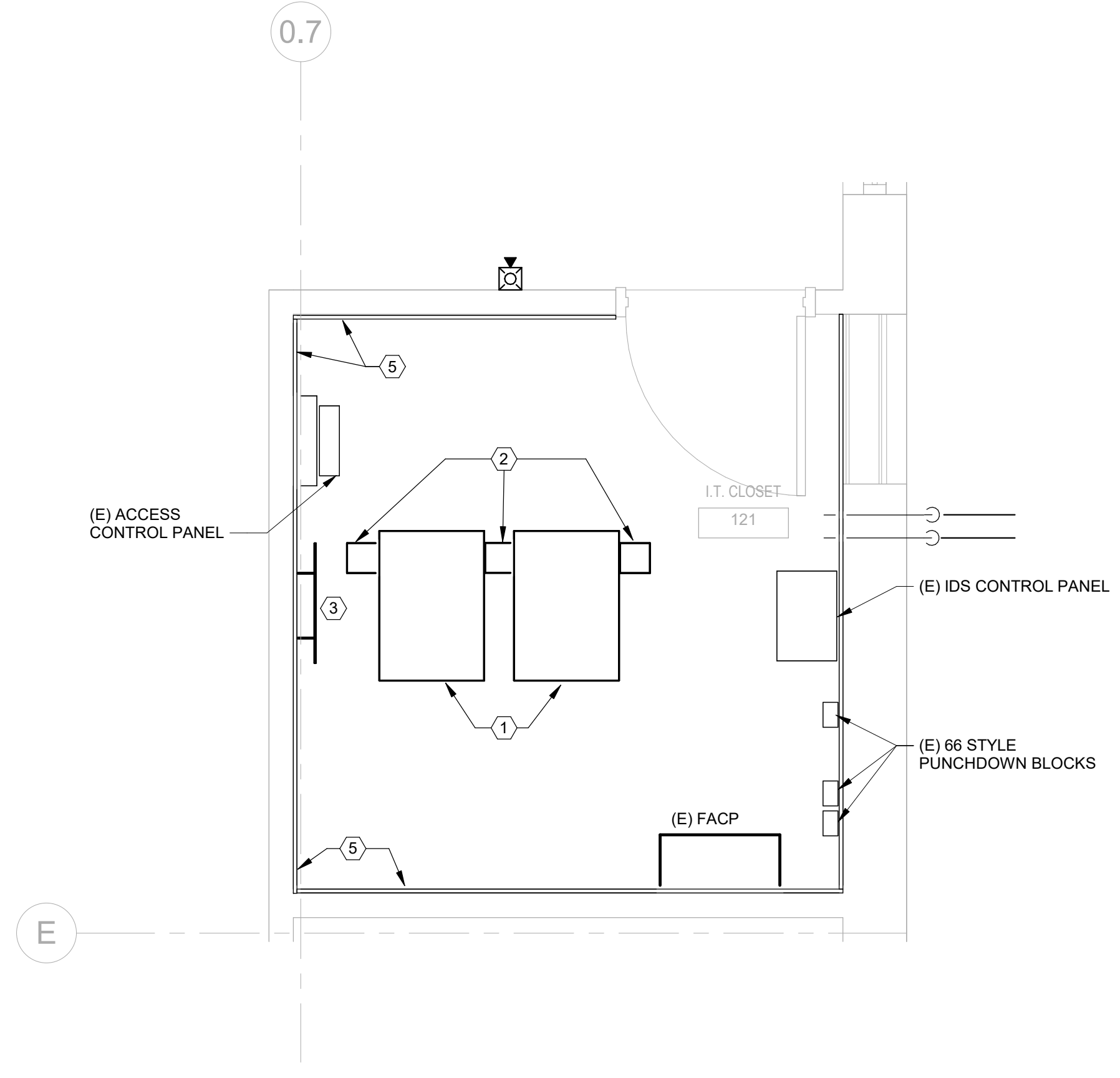
#	Description	Date
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GENERAL SHEET NOTES

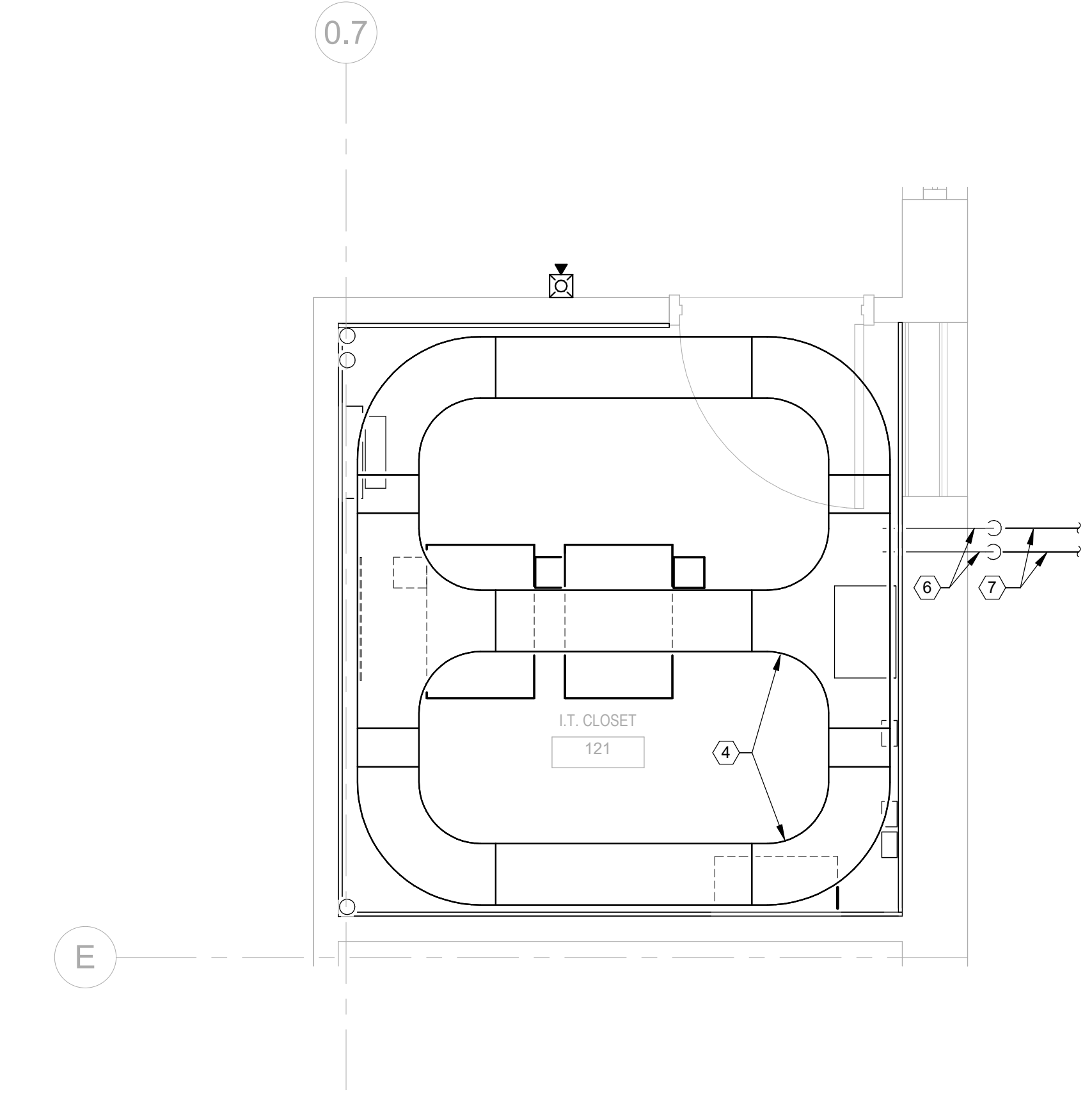
- EXISTING DEVICES AND CABLING SHALL REMAIN, UNLESS OTHERWISE NOTED.
- EXTEND EXISTING CABLING FROM DEMOLISHED 2-POST RACK TO NEW 4-POST RACK.
- ALL SECURITY DEVICES SHOWN ARE ROUGH-IN AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.

SHEET KEYNOTES

- PROVIDE 84" H x 20" W x 41" D 4-POST RACK WITH EIA STANDARD 19" RACK RAILS. 45 RACK UNITS OF MOUNTING SPACE.
- 6" W X 12" D X 84" H VERTICAL WIRE MANAGER ON EACH SIDE OF RACK.
- TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.
- 12" W LADDER RACK CABLE TRAY FOR TELECOMMUNICATIONS CABLING MOUNTED AT 10'-0" AFF.
- EXISTING PLYWOOD BACKBOARD TO REMAIN.
- EXISTING SERVICE ENTRANCE CONDUITS. CONDUITS PENETRATING THROUGH THE EXTERIOR WALL SHALL REMAIN. DISCONNECT AND REMOVE UNDERGROUND CONDUIT AT ELBOW FITTING BELOW GRADE BACK TO TECHNOLOGY SERVICE TAP LOCATION TO THE SOUTH OF THE BUILDING.
- PROVIDE (2) 4" SCHEDULE 40 PVC TECHNOLOGY CONDUITS FOR NEW ROUTING OF UNDERGROUND TECHNOLOGY SERVICE CABLING. PROVIDE ELBOW CONNECTION TO THE EXISTING CONDUIT THROUGH EXTERIOR WALL. REFER TO ELECTRICAL SITE PLAN FOR TECHNOLOGY CONDUIT ROUTING.



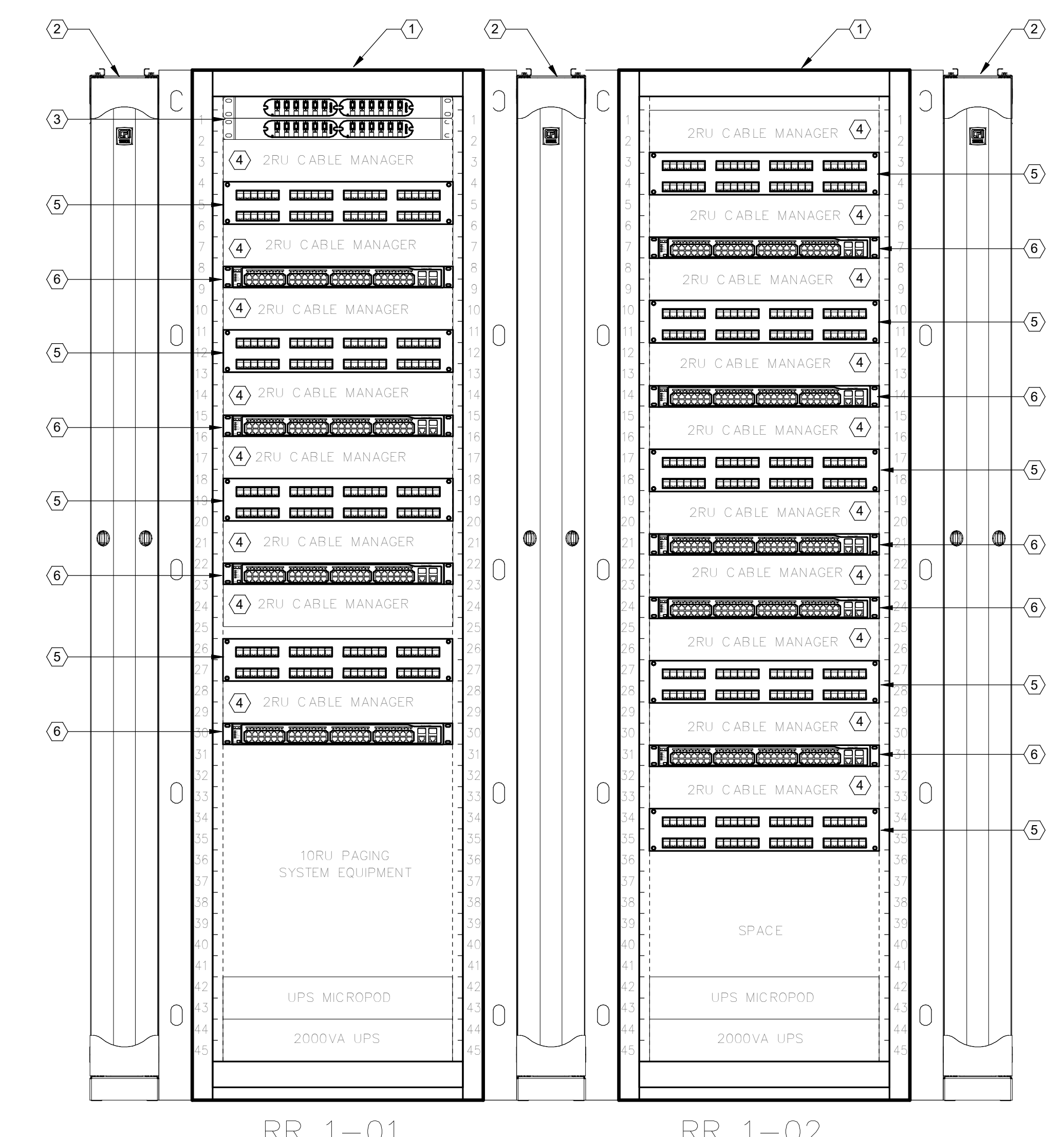
1 ENLARGED FLOOR PLAN - IT CLOSET 121 - TELECOM EQUIPMENT
1/2" = 1'-0"



2 ENLARGED FLOOR PLAN - IT CLOSET 121 - TELECOM PATHWAY
1/2" = 1'-0"

RACK ELEVATION KEYNOTES

- PROVIDE 84" H x 20" W x 41" D 4-POST RACK WITH EIA STANDARD 19" RACK RAILS. 45 RACK UNITS OF MOUNTING SPACE.
- 6" W X 12" D X 84" H VERTICAL WIRE MANAGER ON EACH SIDE OF RACK.
- 48 PORT, 2RU FIBER OPTIC DISTRIBUTION PANEL.
- 2RU HORIZONTAL CABLE MANAGEMENT.
- 2RU, 48 PORT COPPER PATCH PANEL.
- 1RU, 48 PORT NETWORK SWITCH.



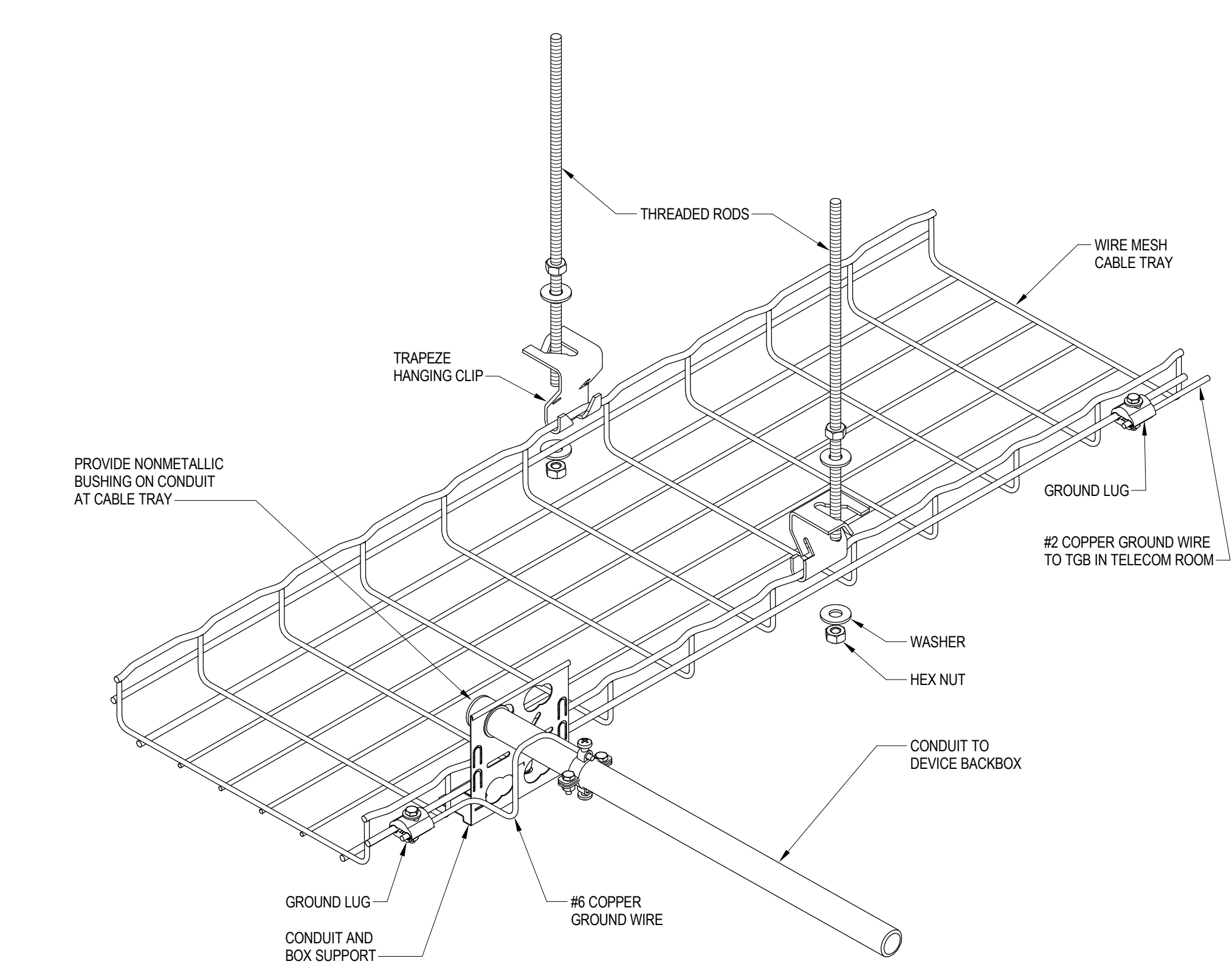
3 DETAIL - RACK ELEVATIONS
NTS



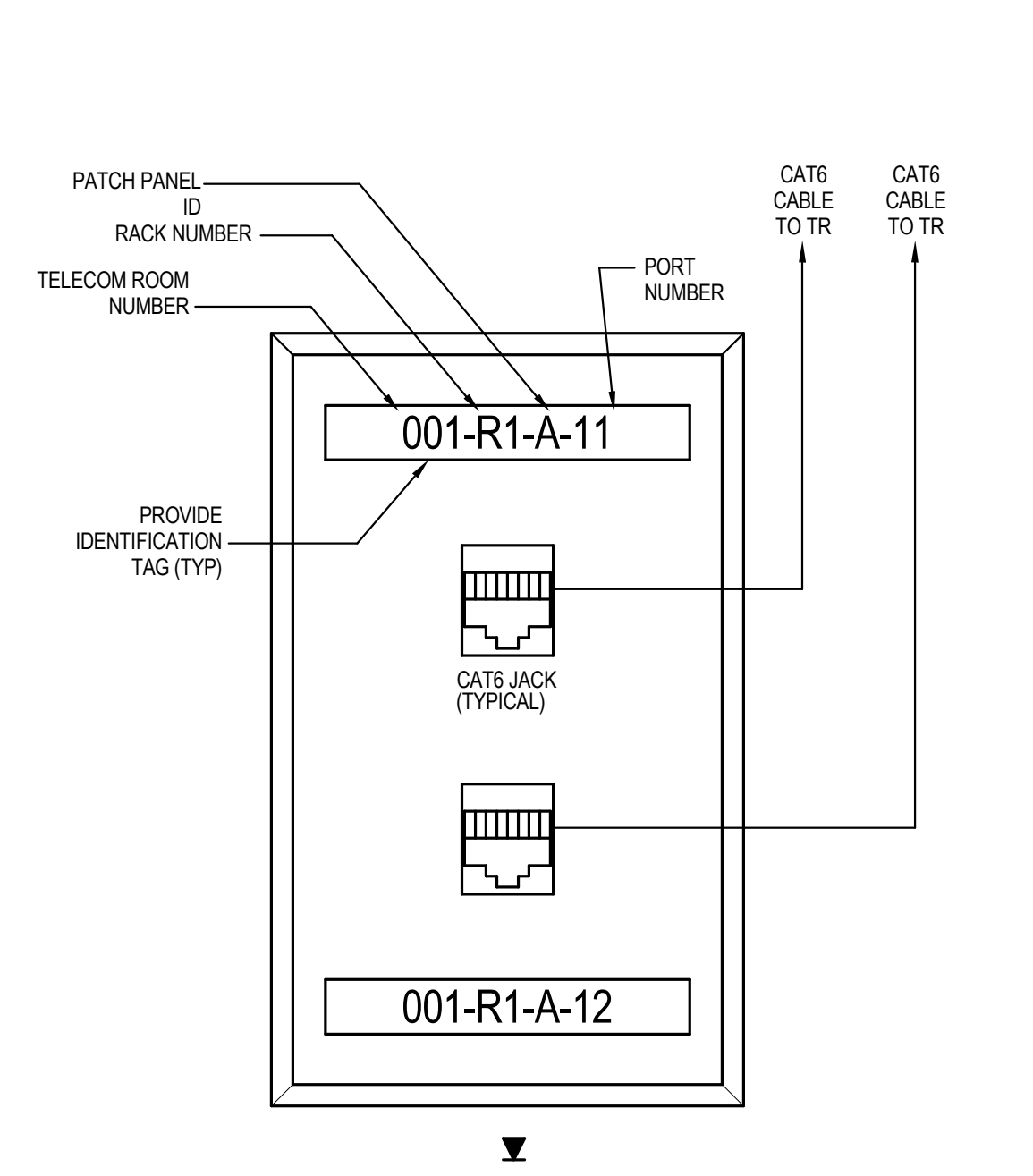
Schematic Design Submittal	9/01/2023
Design Development Submittal	10/09/2023
50% Construction Documents	12/08/2023
90% Construction Document	03/08/2024
Bid Set / Permit Set	03/08/2024

Revision Schedule

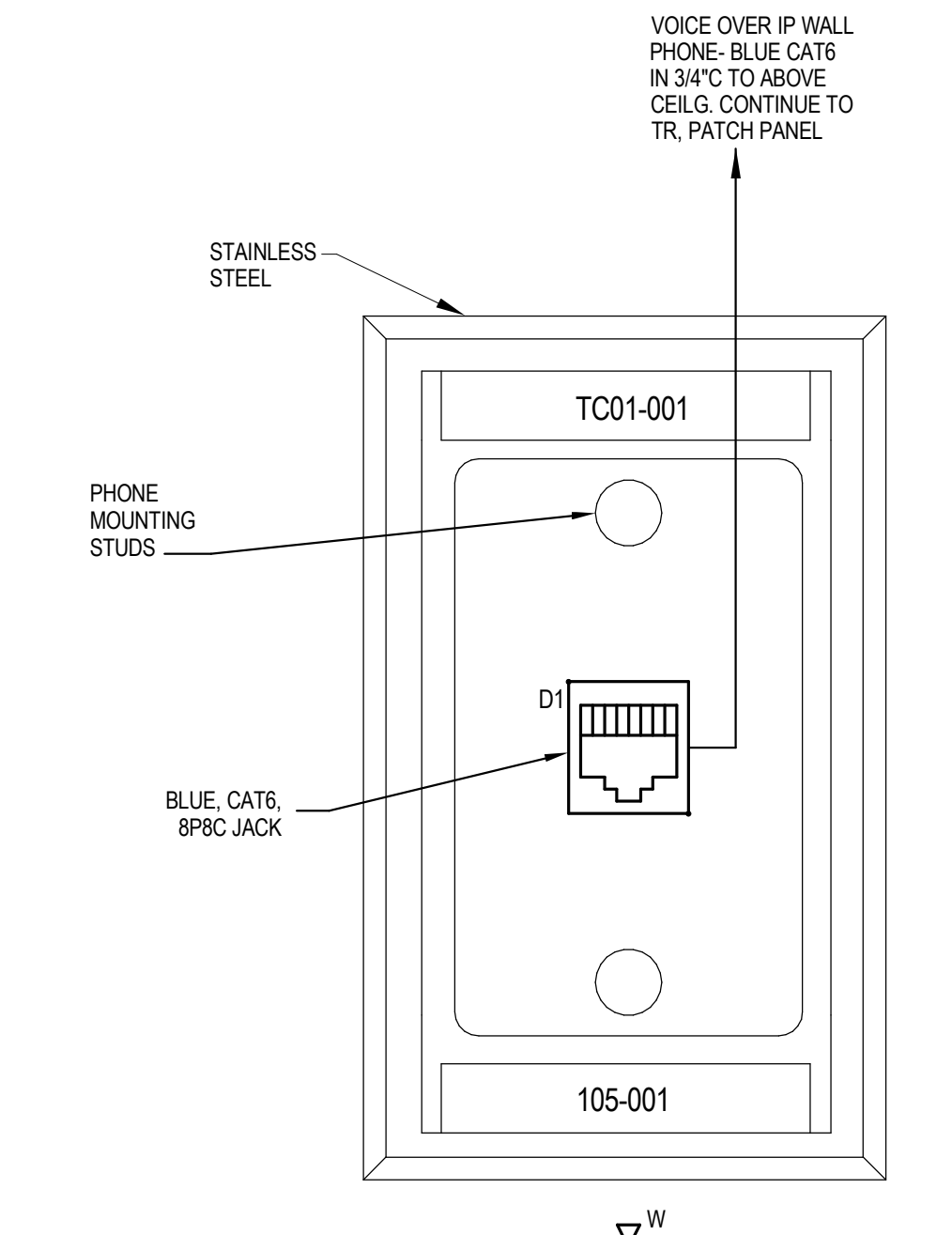
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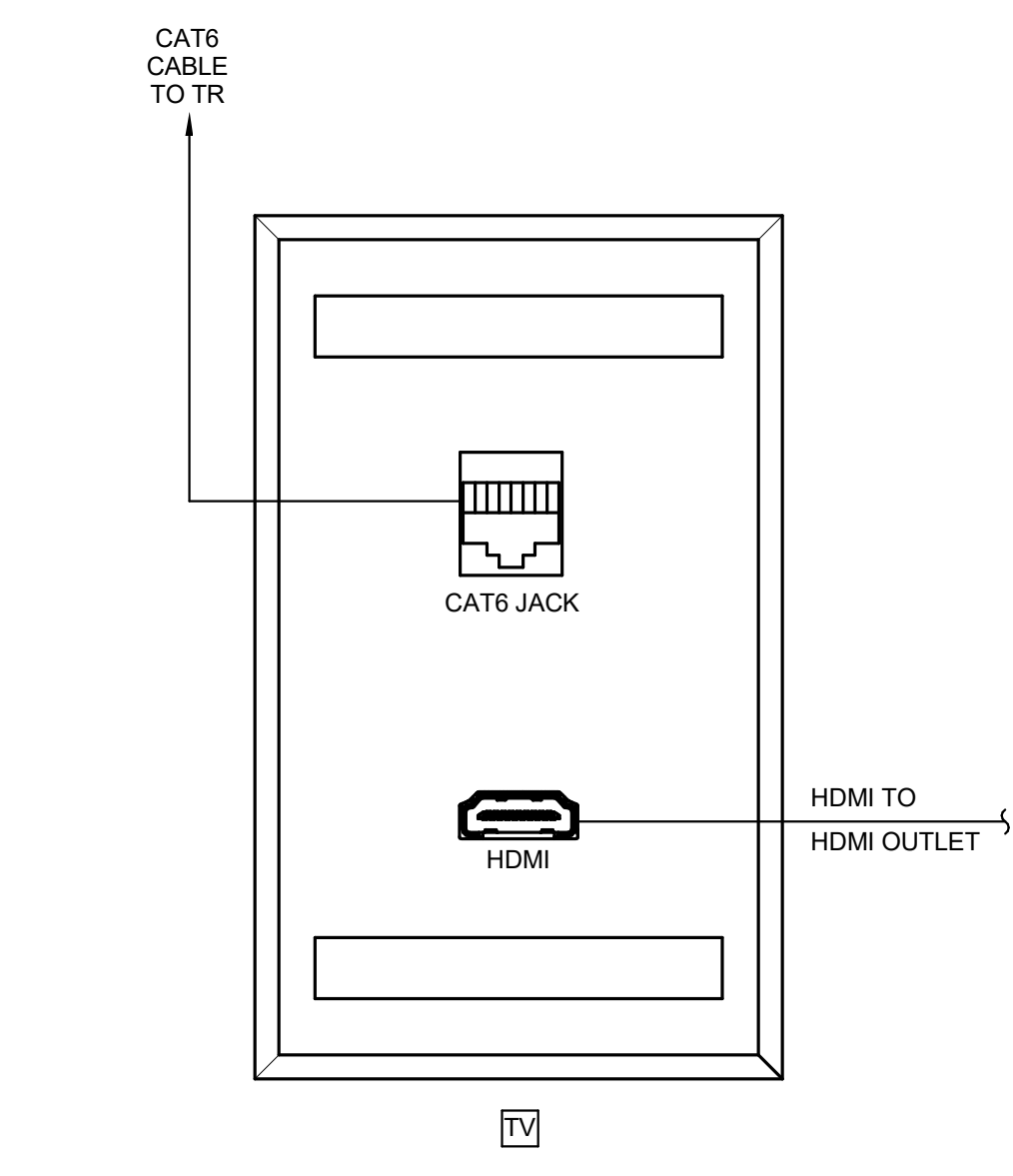
1 DETAIL - CABLE TRAY MOUNTING
NTS



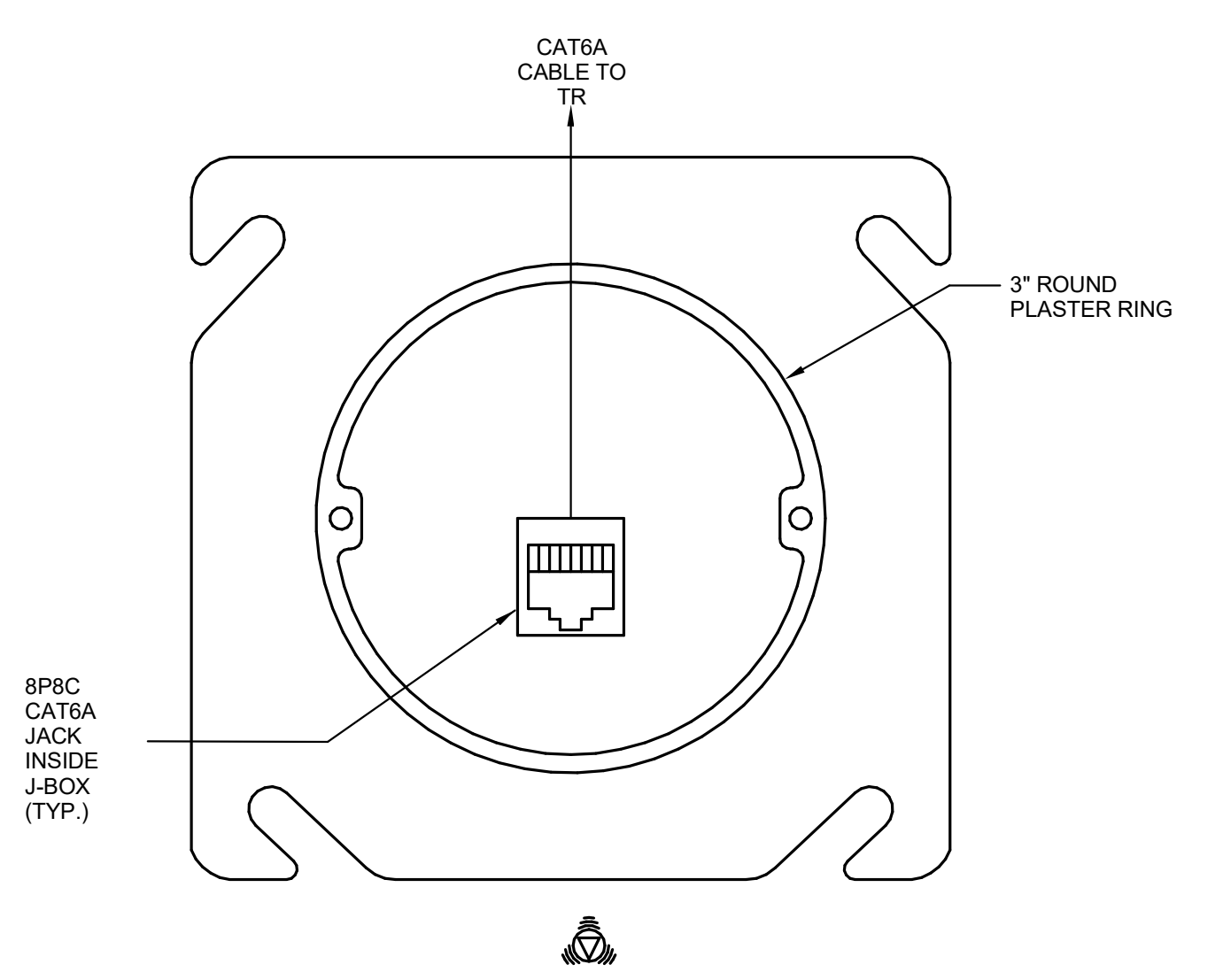
2 DETAIL - GENERAL DATA FACEPLATE
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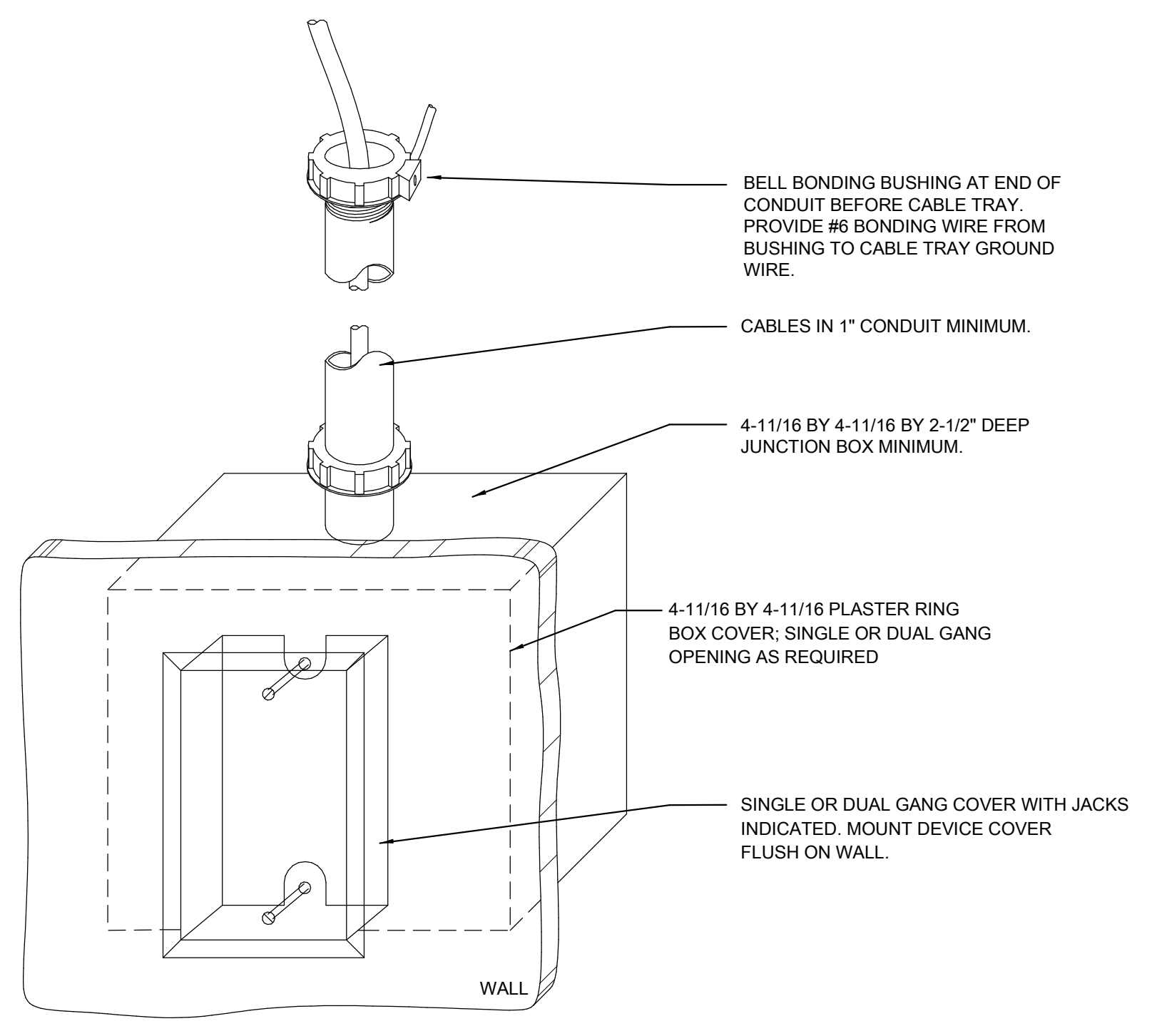
3 DETAIL - WALL PHONE FACEPLATE
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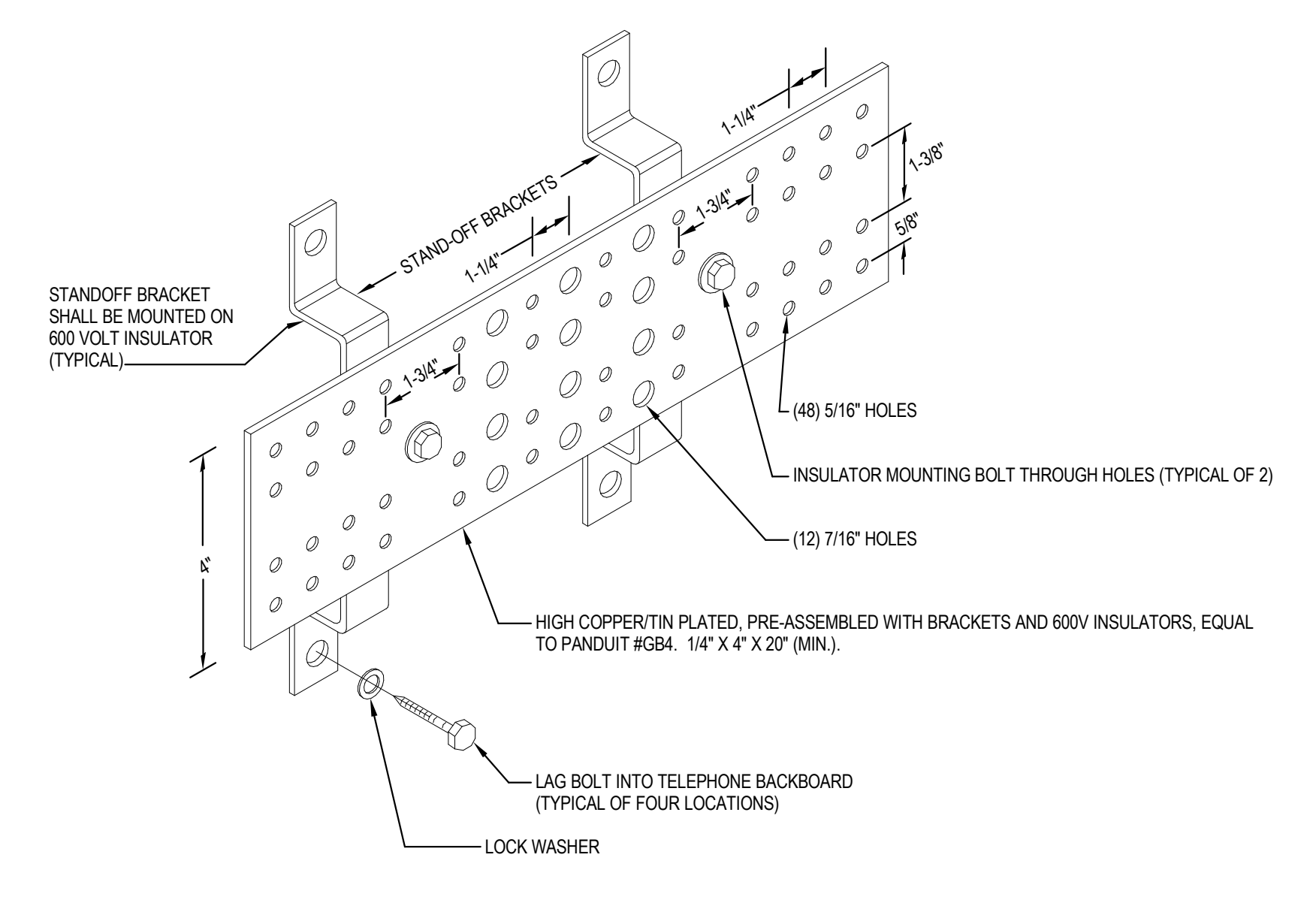
4 DETAIL - TV FACEPLATE
12" = 1'-0"



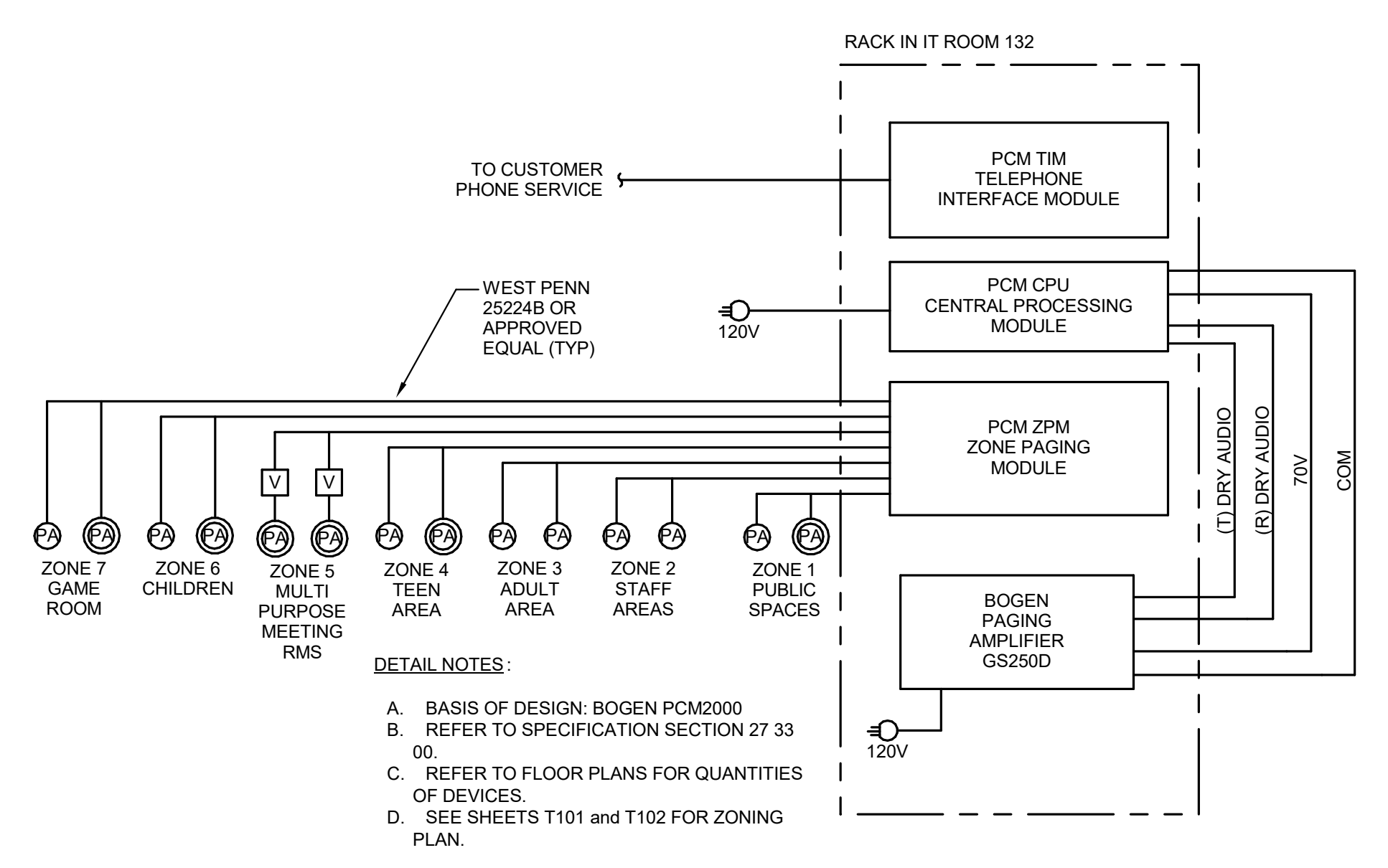
5 DETAIL - AP FACEPLATE
NTS



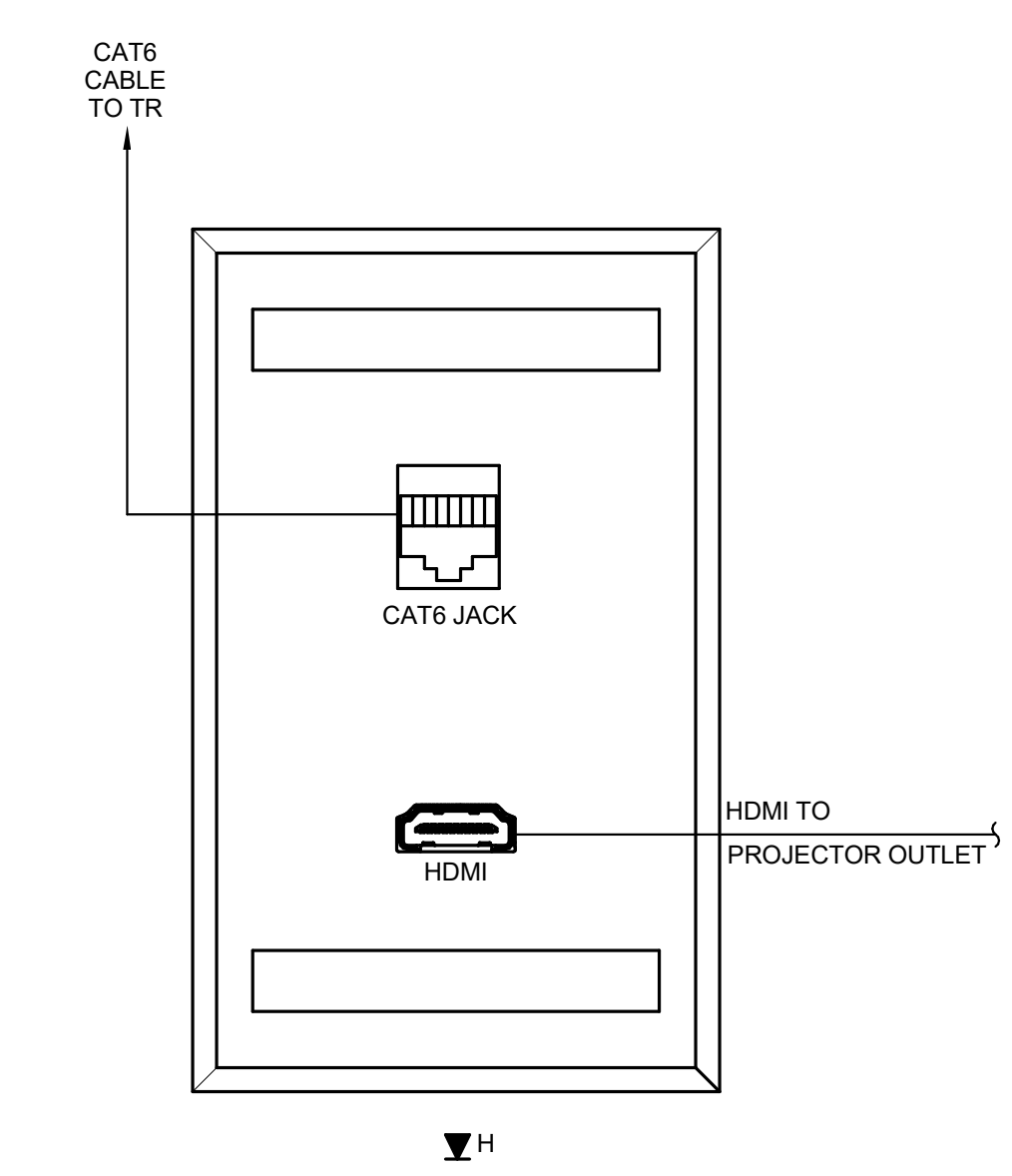
6 DETAIL - OUTLET RECESSED MOUNTING
12" = 1'-0"



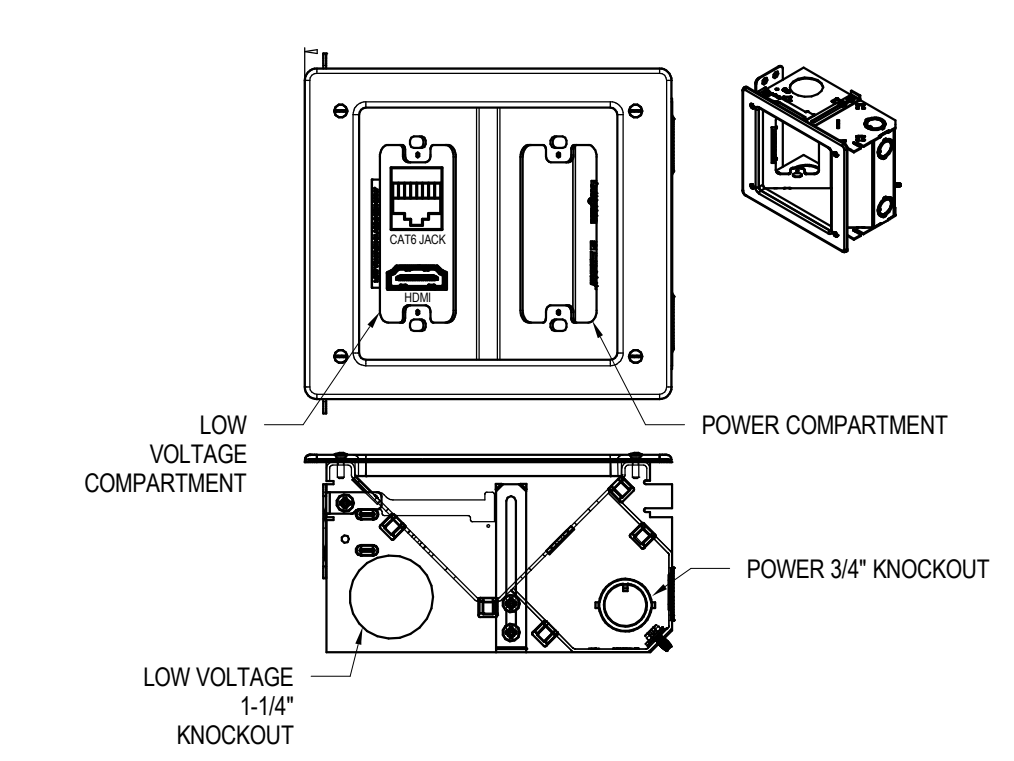
7 DETAIL - GROUNDING BAR - TMGB
NTS



8 PAGING SYSTEM RISER
NTS



9 DETAIL - HDMI FACEPLATE
NTS



10 DETAIL - RECESSED DUAL SERVICE OUTLET
NTS

Autodesk Docs://Barnett Metropolitan Library/Barnett_CML_v22 - MEP.rvt

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GENERAL SHEET NOTES

- ALL SECURITY DEVICES SHOWN ARE ROUGH-IN AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.

Consultants:

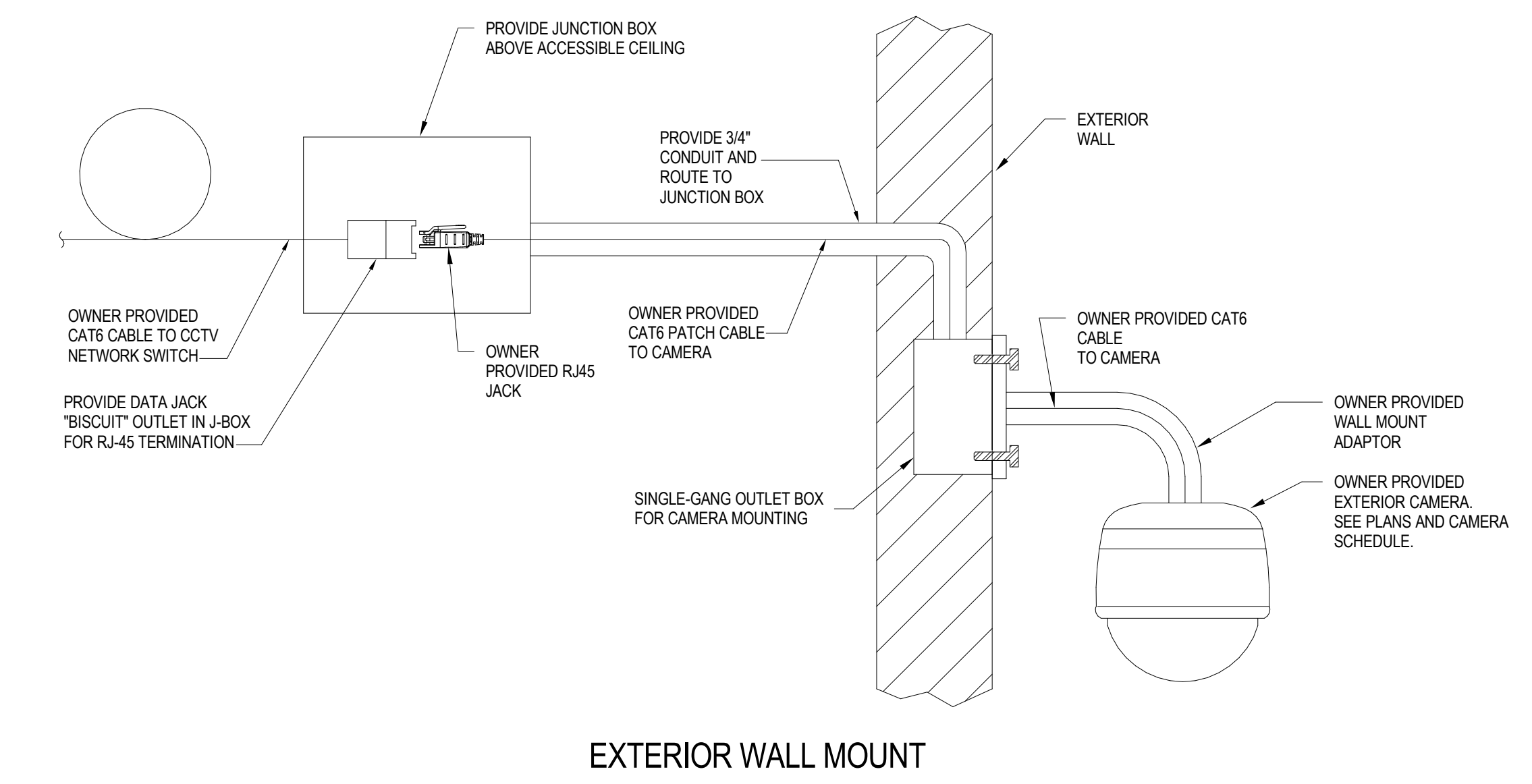
- Civil Engineer**
Moody Engineering
205 Spruce St. Suite 200, Columbus OH 43215
- Landscape Architect**
MKSK
482 Luthin St. Columbus OH 43215
- Structural Engineer**
SMBH
1188 Dublin Rd. Suite 200, Columbus OH 43215
- MEP Engineer**
Advanced Engineering Consultants
1403 Dublin Rd. Columbus OH 43215
- Lighting Design**
Zinkon Creative Studio
1322 Hill Rd. Suite 101, Pickerington OH 43147

Drawing Issue Dates

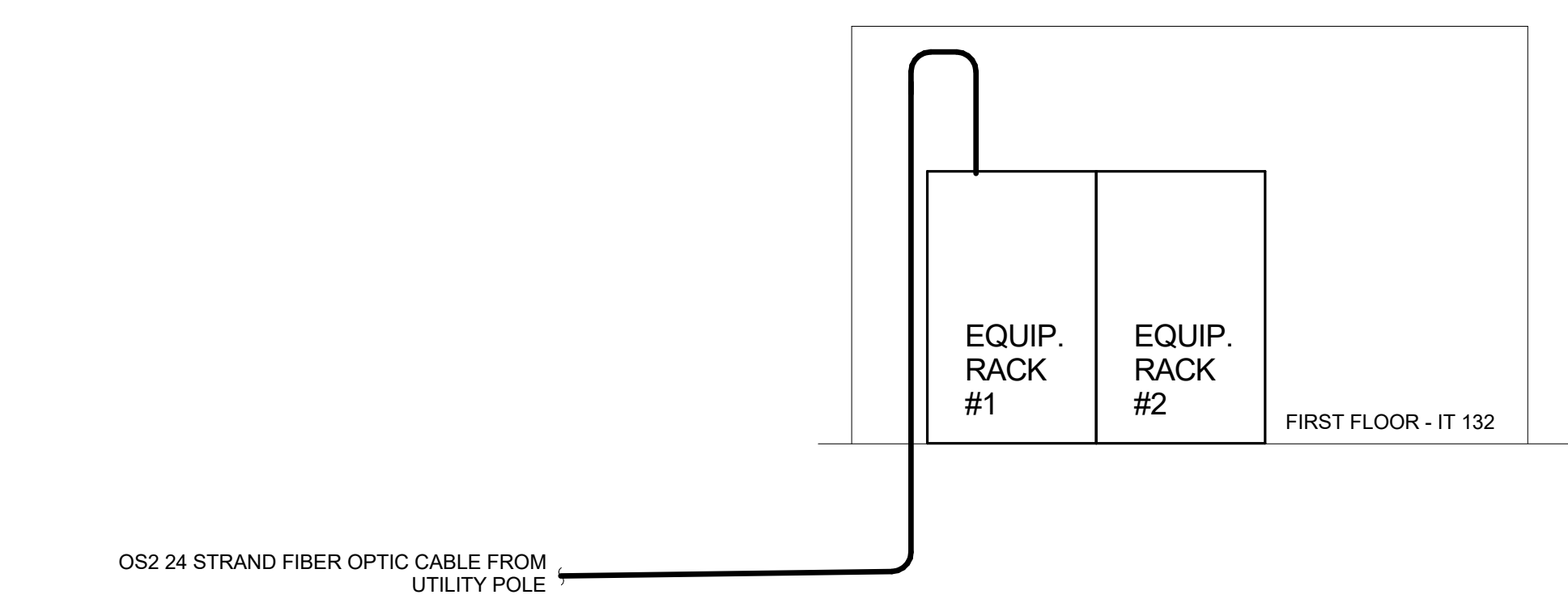
- Schematic Design Submittal
9/01/2023
- Design Development Submittal
10/09/2023
- 50% Construction Documents
12/08/2023
- 90% Construction Document
03/08/2024
- Bid Set / Permit Set
03/08/2024

Revision Schedule

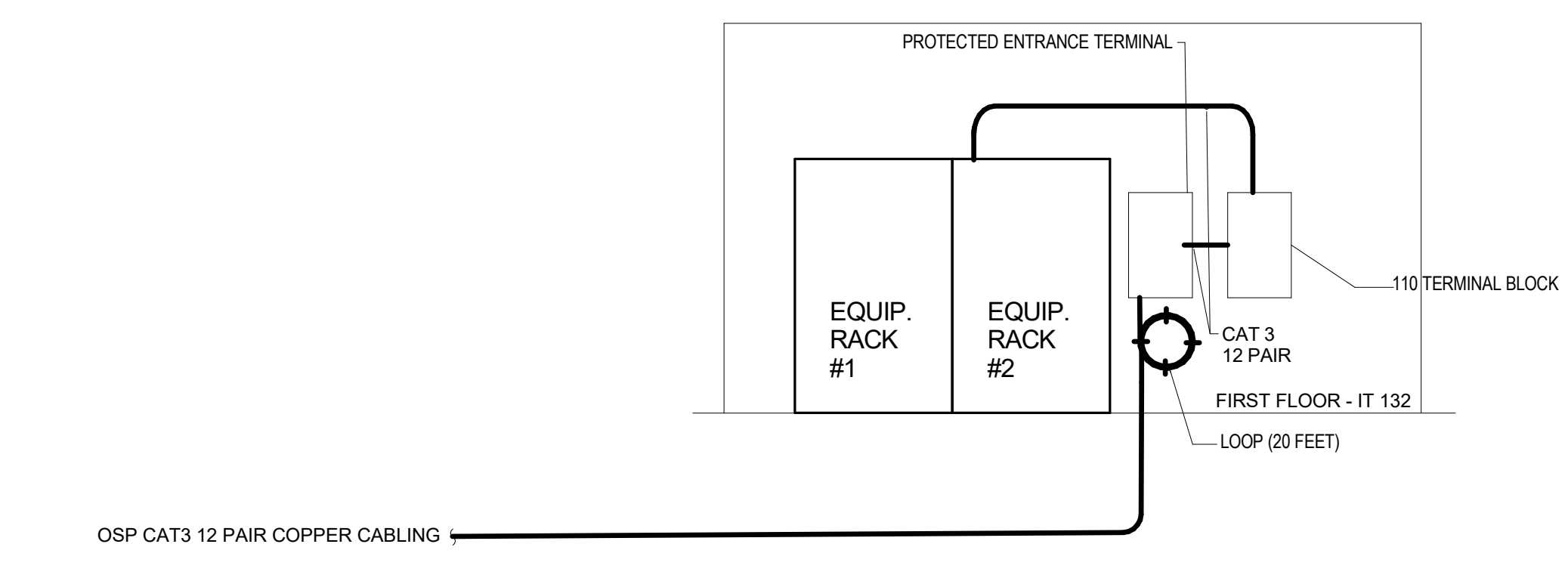
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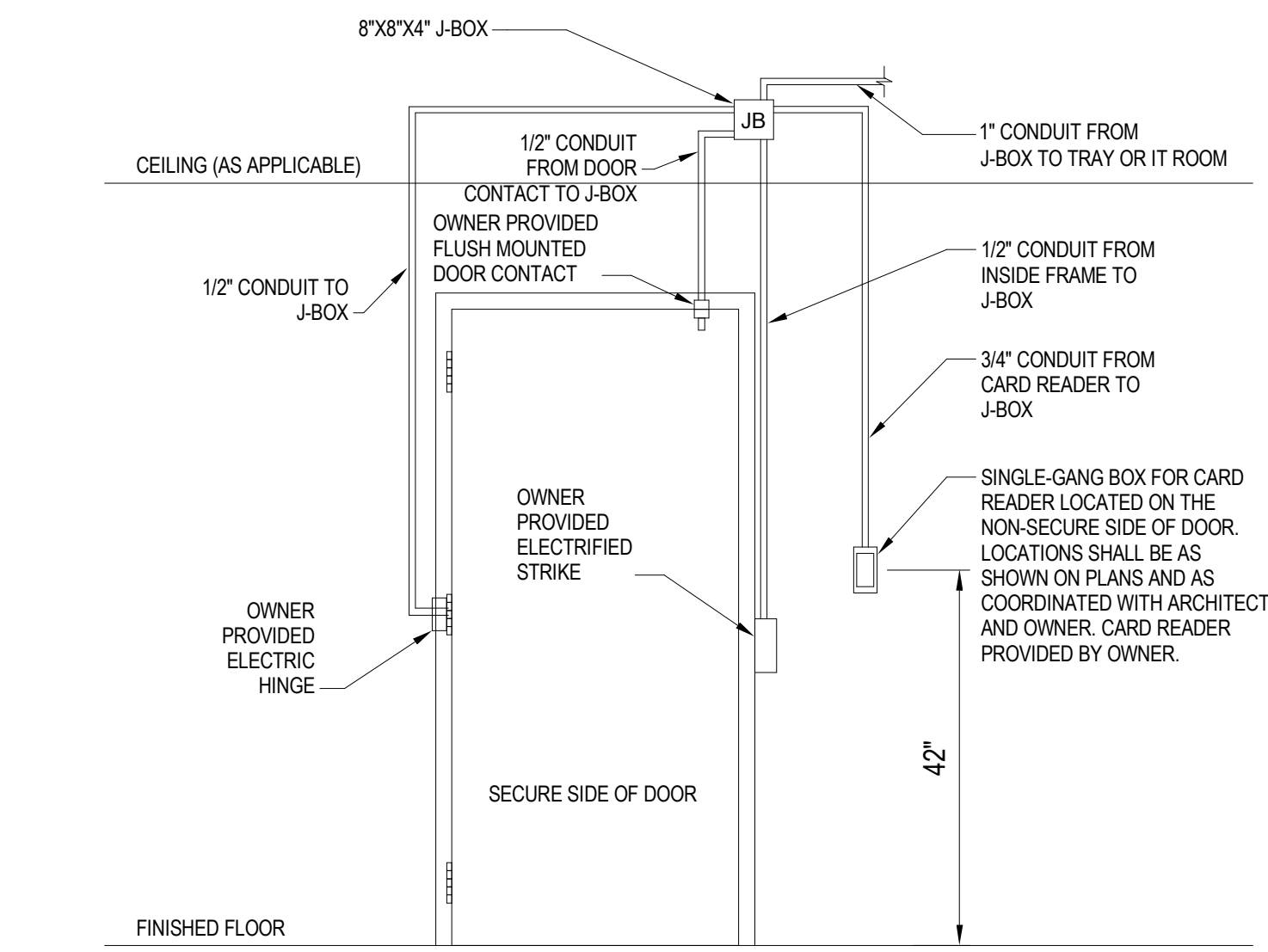
2 DETAIL - CCTV CAMERA MOUNTING
NTS



5 SCHEMATIC - FIBER RISER DIAGRAM
NTS



4 SCHEMATIC - COPPER RISER DIAGRAM
NTS



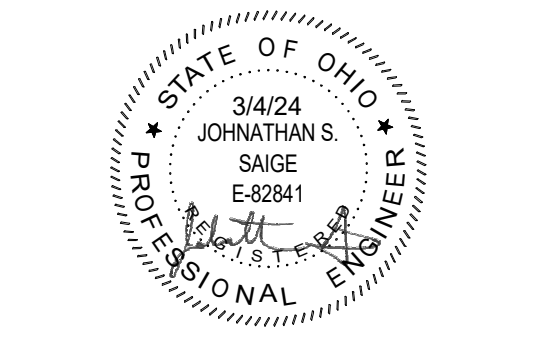
3 DETAIL - ACS DOOR DEVICES
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CML Barnett Branch Addition/Renovation

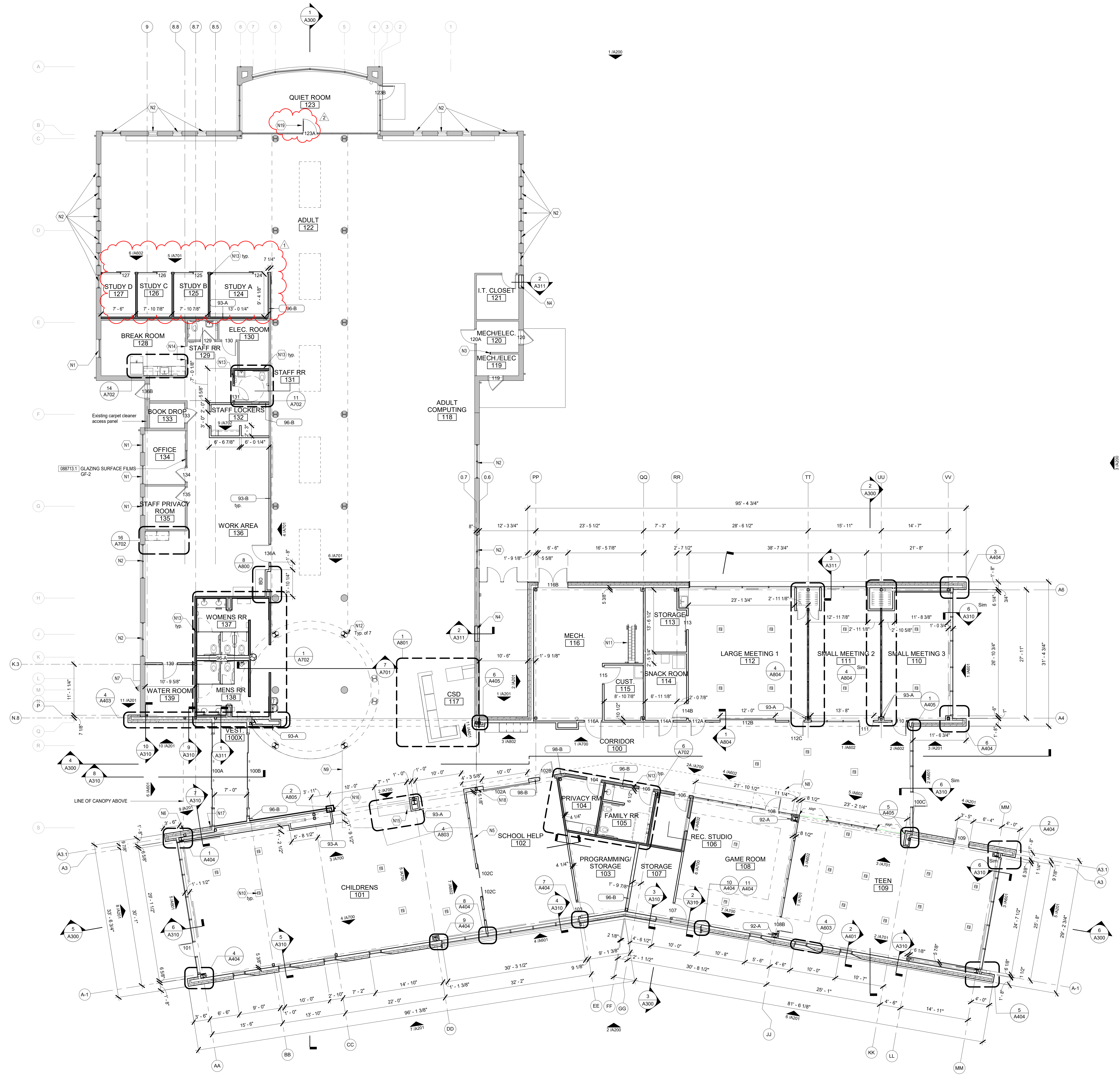
3434 E Livingston Ave.
Columbus, OH 43227



DETAILS - TELECOM

Autodesk Docs://Barnett Metropolitan Library/22160_Barnett_11X_CML_v0222.rvt

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NEW WORK - GENERAL NOTES

- A. The Contractor should inform the Architect if conflicts exist between drawings.
- B. Refer to Door and Frame Schedule for all door requirements and opening details.
- C. In the case of minor discrepancies between MEP and Architectural drawings in the location of ceiling-mounted components, the Architectural Reflected Ceiling Plan shall govern. In the case of major discrepancies, the Architect shall be notified of the discrepancy when the issue is discovered and before proceeding with the work.
- D. The Contractor shall provide access panels in hard ceilings as required for the inspection of equipment above the ceiling.
- E. All new ceiling grids to be centered within a space unless noted otherwise.
- F. Unless noted otherwise, all fixtures and ceiling-mounted equipment to be mounted in the center of the room, ceiling tile, or space.
- G. All walls of all rooms with exposed structure ceilings to extend and seal to the structure above.
- H. The Contractor shall channel and patch all existing walls where new utilities are to be concealed within 2". It is the intent for all utilities to be buried within the walls or not visible (above ceiling). Work to be coordinated with Architect and routing paths to be approved.
- I. Refer to finish plans for locations of Built-in-features wall finishes.
- J. All dimensions are to face of finish or to center line of column, unless noted otherwise.
- K. Interior wall type is 93-B unless noted otherwise. See sheet A102 for more information.
- L. Paint exterior doors to match new brick paint color.
- M. Glazing film furnished and installed by owner.

NEW WORK - CODED NOTES

- N1 New glazing. Frame to remain.
- N2 New Storefront Typ. See sheet A600 for more information.
- N3 Finish with drywall to match adjacent condition
- N4 Infill Window/Door. Assembly to match existing. See Detail.
- N5 New storefront goes above door. Refer to sheets A602 & A700
- N6 Recessed key box location. See specification section 10 41 16
- N7 Fire Department connection, see fire protection drawings
- N8 Light monitor above
- N9 Outline of existing slab to remain. See structural drawings
- N10 Recessed floor box. See electrical drawings. Coordinate final location in the field with owner.
- N11 Alternating tread ladder. See specification section 05 51 34
- N12 New egg board column wrap to match existing. See specification section 09 27 13. Typ. of 7
- N13 Acoustic partitions indicated by fill. See specification section 09 29 00
- N14 Finish opening with new drywall; patch and repair damage.
- N15 Floor sink, see plumbing drawings
- N16 Drywall expansion joint. See specification section 07 95 00.
- N17 Exterior brick expansion joint in alignment with isolation joint material around wall penetrations and isolation joints.
- N18 Column to be isolated from adjacent stud framing and finishes.
- N19 Refinish or repair quiet study door as required.

Drawing Issue Dates

Schematic Design Submittal	09/01/2023
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50% Construction Documents	12/08/2023
90% Construction Documents	02/02/2024
Bid Set / Permit Set	03/08/2024

Revision Schedule		
#	Description	Date
1	Addendum 01	03/27/20 24
2	Addendum 02	04/02/20 24

Revision Schedule		
#	Description	Date
1	Addendum 01	03/27/2024
2	Addendum 02	04/02/2024

EXTERIOR FINISHES SCHEDULE

Legend Keynote	Item	Manufacturer	Product	Color/Finish
04 21 13	Brick	Endicott	Norman	Manganese Ironspot Smooth
04 21 13.13	Thin Brick	Endicott	Norman 5/8"	Manganese Ironspot Smooth
ACM 1 07 42 43	ACM	Alucobond	Plus/Spectra	Sakura (typ. of all ACM U.N.O.)
ACM 2 07 42 43	ACM	Alucobond	Classic	Graphite Mica
ACM 3 07 42 43	ACM	Alucobond	Classic	MZG Gray Mica II
07 62 00	Flashing	Metal Era		Charcoal
08 41 13	Storefront	Kawneer	TriFab VersaGlaze	Charcoal
08 44 13	Curtainwall	Kawneer	1600 Wall System 1	Charcoal
PX.1 09 97 23	Coating	Priscoo	BCM II	Match SW 6902 Inkwell
09 98 00	Exterior Paint	Sherrin Williams		SW 6902 Inkwell
PX.2 09 97 23	Coating	Priscoo	BCM II	Match SW 7674 Peppercom

REFLECTED CEILING PLAN - GENERAL NOTES

- A. Lay-in ceilings shall be 2x4 ACT unless otherwise noted. Center ceiling grid in room unless otherwise noted.
- B. Light fixtures to be centered within room, area of ceiling, soffit, or ceiling tie unless noted otherwise.

RCP - CODED NOTES

- NC1 Align new ACT ceiling grid to adjacent existing grid.
- NC2 Acoustical roof deck similar to Toris A by Epic Metals 2.5" roof deck (NCC 0.95).
- NC3 White brake metal panel to roof structure.
- NC4 Provide Motorized Double Window Shade 122413.2, 5% Open And Blackout. See Spec For More Information.
- NC5 Provide Motorized Window Shade 122413.1, 5% Open. See Spec For More Information.
- NC6 All clerestory windows in existing building to have firm added. See building sections for locations and film types
- NC7 Open to structure above
- NC8 Garage door to retract above ceiling. Acoustic tile ceiling supported by structural studs. See sheet A805 for more information.
- NC9 Ceiling mounted sound dome. See electrical drawings
- NC11 Provide drywall lid in this area over restrooms below for acoustical control (indicated by diagonal hatch)
- NC12 Match profile of new soffit to existing soffit on gridline 6
- NC13 New soffit held tight to existing beam
- NC14 Ceiling-mounted heater- see MEP
- NC15 14ga aluminum brake metal insert, color: black
- NC16 Access panels for HVAC equipment to be coordinated via shop drawings
- NC17 Felt ceiling baffles, see specification 09 84 36.
- NC18 Expansion joint, see specification 07 95 00 - Expansion Control
- NC19 Galvanized metal studs in soffits above fish tank
- NC20 Upholster with new charcoal grey fabric, architect to chose color.

REFLECTED CEILING PLAN LEGEND

- 2x4 ACT (095113.1.1)
- Gypsum Board (095113.1.2, 095113.1.3)
- Interior wood panel ceiling (095426)
- Open to structure above
- ACM 1/2
- Roler Window Shades (122413.1, 122413.2)

LIGHTING LEGEND

- 4" RECESSED CAN
- LED DOWNLIGHT
- 2X2 RECESSED
- 2X4 RECESSED
- RECESSED LINEAR LED SLOT LIGHT
- 48" HUNG STRIP LIGHT
- 48" AND 32" DECORATIVE FIXTURE
- SUSPENDED PENDANT
- 4" EXTERIOR WALL LIGHT
- 4" EXTERIOR WALL LIGHT



1 Reflected Ceiling Plan
1/8" = 1'-0"

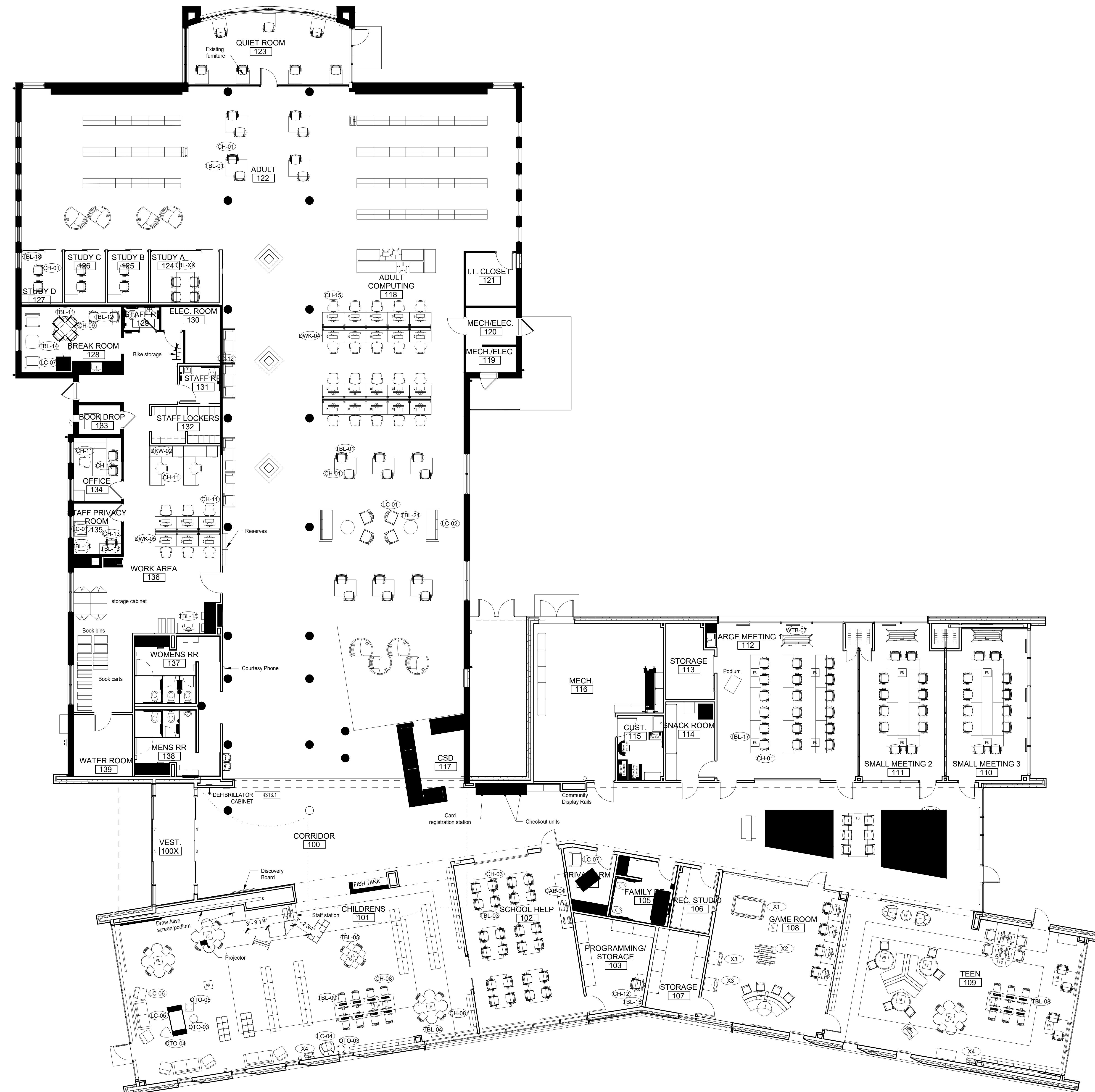
FOR REFERENCE ONLY FF&E BY OTHER CONTRACT

FURNITURE PLAN - GENERAL NOTES

A Furniture is based on owner provided information, verify final selections and quantities with owner.

Furniture Schedule

TAG NO	Type	Comments
CAB-04	SHC Staff Station	
CH-01	Sit on it relay	
CH-03	Sit on it baja	
CH-05	Emeco navy chair	
CH-08	Emeco navy chair	
CH-09	Sit on it relay	
CH-11	Sit on it amplify	
CH-12	Sit on it focus mid-back	
CH-13	Sit on it baja	
CH-15	Sit on it mow light task armless	
DKW-02	AIS Cubicles	
DKW-03	AIS Manager desk	
LC-01	Enoque Flng 217U-U	
LC-02	Arcyn	
LC-04	Arcadia Odette mid-back lounge chair 5851	
LC-05	Arcadia Smallsorts childrens bench 7951	
LC-06	ISI Anyon Lounge	
LC-07	ISO G1 Lounge	
LC-09	Enoque Flng 217U-U	
LC-12	TD/Deparis lounge booth 8520-H	
LC-13	Arcadia Odette Chair 5861	
OTO-03	ERG MIA round ottoman	
OTO-04	ERG MIA triangle ottoman	
OTO-05	ERG MIA square ottoman	
ST-01	Level 4 Design Nest Barstool	
TB-02	Egon Taskboard 48x36	
TBL-01	Enwork Zori - Leg power cut out	
TBL-03	Enwork Zori Fliptop	
TBL-04	Madetech workbar island table	
TBL-05	Enwork Zori	
TBL-08	Enwork Landing	
TBL-09	Enwork Landing	
TBL-11	Enwork Zori	
TBL-12	Enwork Zori	
TBL-13	Enwork Zori - Leg power cut out	
TBL-14	Nevis Oscar X-base soft square table	
TBL-15	Enwork Salarno	
TBL-17	Enwork Zori Fliptop	
TBL-18	Leg power cut out	
TBL-24	Nevis Oscar round table	
TBL-25	Nevis Abbott solid surface cylinder table	
TBL-29	Enwork Landing custom	
TBL-XX	Enwork	
WTB-02	Claris float magnetic glassboard 48"x36"	
WTB-07	Enwork Zori mobile monitor stand on casters	
X1	Pool Table	
X2	Football Table	
X3	Arcade Machine	
X4	Card Catalog Station	



309 Marconi Boulevard T 614-428-0300
Columbus OH 43215 F 614-428-0311
schoolscaldwell.com

401 Foster St, Durham NC 27701
evokedstudio.com 919-495-0079

Consultants:

Civil Engineer
Moody Engineering
300 Newark Rd Suite 200, Columbus OH 43215

Landscape Architect
MKS
451 Lakeside Dr, Columbus OH 43215

Structural Engineer
SMBH
1188 Dwyer Rd Suite 200, Columbus OH 43215

MEP Engineer
Advanced Engineering Consultants
1425 Dwyer Rd, Columbus OH 43215

Lighting Design
Zinkon Creative Studio
1200 N. High St., Columbus OH 43215

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03/08/2024

Revision Schedule

#	Description	Date

CML Barnett
Branch
Addition/Renovation

3434 E Livingston Ave,
Columbus, OH 43227

NOT FOR CONSTRUCTION

Furniture Plan

A1001

3/8/2024

22160

1 Furniture Plan
1/8" = 1'-0"

Autodesk Docs://Barnett Metropolitan Library/25160_Barnett_11K_CML_v2022.rvt

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ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
A	AMPERE
AC	ALTERNATING CURRENT OR AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
ANNC	ANNUNCIATOR
AWG	AMERICAN WIRE GAUGE
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
DC	DIRECT CURRENT
DP	DISTRIBUTION PANELBOARD
DTT	DOUBLE TWIN TUBE
EB	ELECTRONIC BALLAST
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EWG	ELECTRIC WATER COOLER
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL TRADES CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GEN	GENERATOR
HDA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPC	HIGH PRESSURE CONTACT SWITCH
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCD	INCANDESCENT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING OR LIGHT
LRA	LOCKED ROTOR AMPS
MCA	MINIMUM CIRCUIT AMPACITY
MSB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MH	MOUNTING HEIGHT
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
OCC	OCCUPANCY
OH	OVERHEAD
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSH BUTTON
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
PWR	POWER
RECPT	RECEPTACLE
STP	SHIELDED, TWISTED PAIR
TC	TIME CLOCK
TRT	TRIPLE TUBE
TYP	TYPICAL
UG	UNDER GROUND
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED, TWISTED PAIR
V	VOLT
W	WATT
WAP	WIRELESS ACCESS POINT
WH	WATTHOUR
WP	WEATHERPROOF, NEMA 3R UNO
XFMR	TRANSFORMER
Z	IMPEDANCE
∅	PHASE

LIGHTING SYMBOLS	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
	GENERAL PURPOSE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	GENERAL PURPOSE LUMINAIRE: ON EMERGENCY POWER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	ROUND LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL WASHER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED DECORATIVE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED FLOOD LIGHT: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	TRACK LIGHTING
	TRACK LIGHTING HEAD
	EMERGENCY LIGHT
	EXIT SIGN
	CEILING MOUNTED ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
	EMERGENCY DUAL FACE ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
	EXIT SIGN WITH INTEGRAL HEADS
	LINE VOLTAGE SWITCH: X-BLANK-SINGLE POLE 20A, TOGGLE; X-3-THREE WAY; X-4-FOUR WAY; X-P-PILOT LIGHT; X-K-KEY; X-MS-MOMENTARY; OS-D COMBINATION OCCUPANCY SENSOR/0-10V DIMMER
	PHOTOCELL
	DAYLIGHT SENSOR
	PHOTO EYE
	CEILING MOUNTED OCCUPANCY SENSOR: X-BLANK-DUAL TECHNOLOGY; X-IR-PASSIVE INFRARED; X-US-ULTRASONIC
	POWER PACK
	JUNCTION BOX
	PANELBOARD
	LIGHTING CONTROL PANEL
	LOW VOLTAGE TRANSFORMER

POWER SYMBOLS	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
	20A DUPLEX RECEPTACLE WITH COVER PLATE: X-MOUNTING HEIGHT (STANDARD) = 18" TO CENTER; F-FLUSHED IN FLOOR, C- FLUSHED IN CEILING
	GFCI (GROUND FAULT CIRCUIT INTERRUPTER) TYPE RECEPTACLE
	WEATHER-RESISTANT, GFCI RECEPTACLE WITH EXTRA DUTY WEATHERPROOF IN-USE LOCKING COVER
	RECEPTACLE MOUNT AT 4' ABOVE SURFACE OR BACKSPLASH TO BOTTOM
	USB TYPE RECEPTACLE WITH TAMPER RESISTANT
	TAMPER RESISTANT RECEPTACLE
	SIMPLEX RECEPTACLE
	QUADPLEX RECEPTACLE: SEE DUPLEX RECEPTACLE FOR TYPES
	WALL MOUNTED SPECIAL RECEPTACLE: REFER TO PLANS FOR ADDITIONAL INFORMATION
	SURFACE MOUNTED RACEWAY
	STANDARD DISCONNECT SWITCH: X-CIRCUIT BREAKER SIZE, Y-NUMBER OF POLES, Z-SPECIAL DESIGNATION
	STANDARD FUSED DISCONNECT SWITCH: X-CIRCUIT BREAKER SIZE, Y-FUSING, Z-NUMBER OF POLES
	MOTOR STARTER: X-S STARTER SIZE, Y-NUMBER OF POLES
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH: X-S STARTER SIZE, Y-FUSE SIZE, Z-NUMBER OF POLES
	MOTOR (BY OTHERS): PROVIDE POWER AS INDICATED
	UTILITY METER
	FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER, 2 = 2-POLE
	JUNCTION BOX
	PULL BOX
	SURGE PROTECTIVE DEVICE
	PANELBOARD
	RECESSED 2-GANG FLOOR BOX (POWER ONLY) (W/REMOULD R9B11-PPCTC SERIES OR APPROVED EQUAL) (1) DUPLEX RECEPTACLE (1) EMPTY GANG FOR FUTURE USE
	RECESSED 4-GANG FLOOR BOX (POWER AND DATA) (W/REMOULD R9B11-PPCTC SERIES OR APPROVED EQUAL) (2) DUPLEX RECEPTACLES (2) DATA OUTLETS
	RECESSED 6-GANG FLOOR BOX (POWER AND DATA) (W/REMOULD R9B11-PPCTC SERIES OR APPROVED EQUAL) (3) DUPLEX RECEPTACLES (3) DATA OUTLETS
	RECESSED FLOOR BOX (POWER AND DATA) (W/REMOULD R9B11-PPCTC SERIES OR APPROVED EQUAL) HARDWIRED FURNITURE CONNECTION COORDINATE COVER PLATE WITH ARCHITECT.

FIRE ALARM SYMBOLS	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
	MANUAL PULL STATION (48" TO HANDLE OF DEVICE)
	HEAT DETECTOR
	DUCT MOUNTED HEAT DETECTOR
	SMOKE DETECTOR
	DUCT MOUNTED SMOKE DETECTOR
	SPEAKER (80" AFF TO BOTTOM OF DEVICE)
	SPEAKER WITH STROBE (80" AFF TO BOTTOM OF DEVICE)
	HORN (80" AFF TO BOTTOM OF DEVICE)
	HORN WITH STROBE (80" AFF TO BOTTOM OF DEVICE)
	STROBE (80" AFF TO BOTTOM OF DEVICE)
	WALL MOUNTED STROBE (80" AFF TO BOTTOM OF DEVICE)
	BELL, 120V
	WATER FLOW SWITCH: DIVISION 28 TO PROVIDE
	WATER TAMPER SWITCH: DIVISION 28 TO PROVIDE
	PIV VALVE
	ADDRESSABLE INPUT-OUTPUT MODULE
	ISOLATION MODULE
	MAGNETIC DOOR HOLDER
	FIREMAN'S PHONE
	REMOTE INDICATOR STATION FOR DUCT SMOKE DETECTOR (80" AFF TO CENTERLINE)
	REMOTE INDICATOR STATION FOR DUCT SMOKE DETECTOR (80" AFF TO CENTERLINE)
	REMOTE INDICATOR TEST SWITCH
	FAN SHUT-DOWN RELAY
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	NOTIFICATION APPLIANCE CIRCUIT PANEL

LINE TYPE LEGEND	
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW WORK

Revision Schedule table with columns #, Description, Date

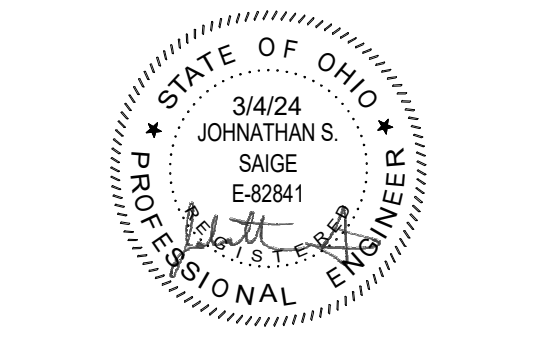


Table with 2 columns: Issue Number, Description. Includes Schematic Design Submittal (9/01/2023), Design Development Submittal (10/09/2023), 50% Construction Documents (12/08/2023), 90% Construction Document (03/08/2024), Bid Set / Permit Set (03/08/2024).

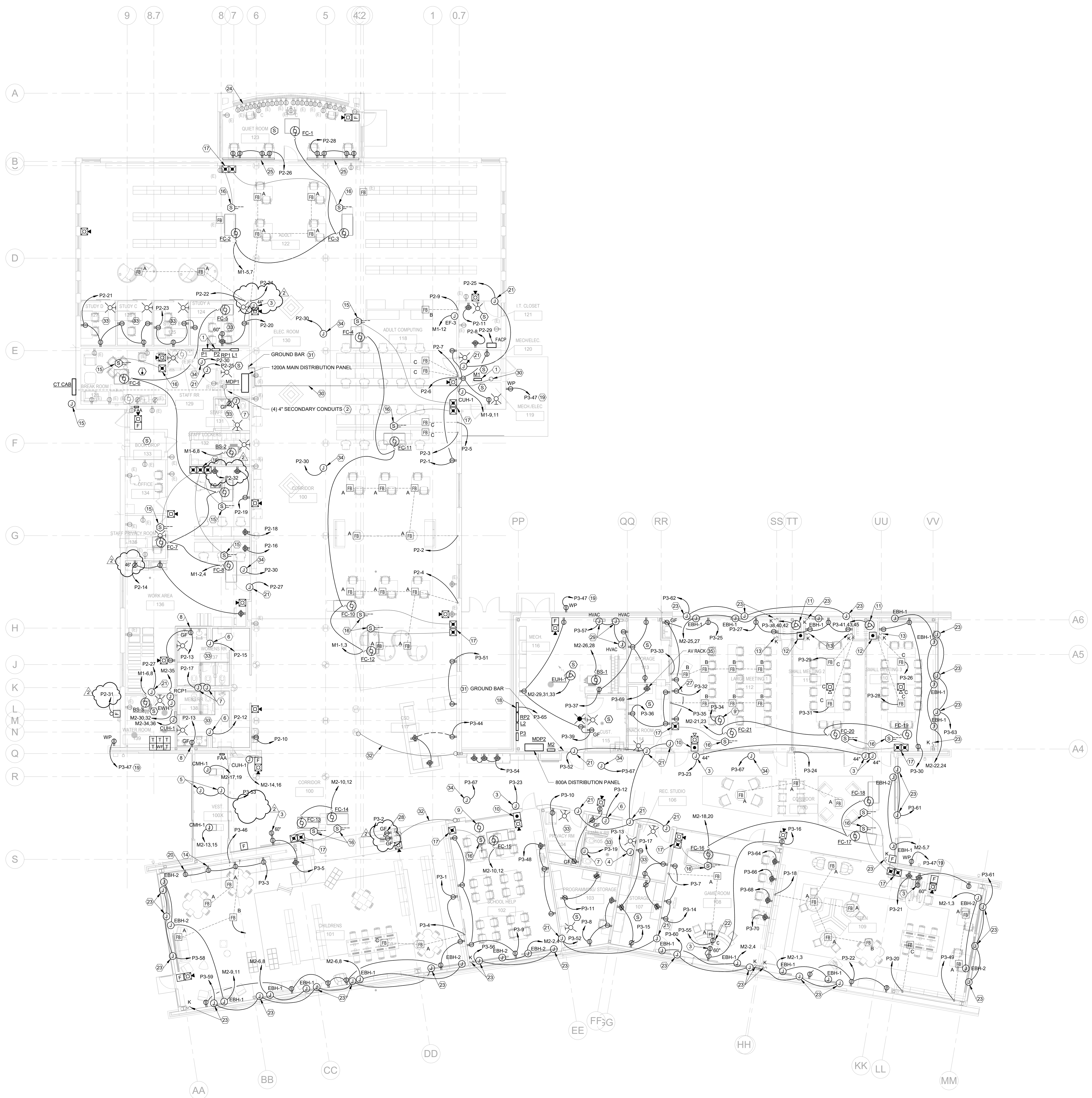
Revision Schedule table with 3 columns: #, Description, Date. Shows Addendum 03/27/24 01 and Addendum 04/02/24 02.

GENERAL SHEET NOTES

- A. FIELD VERIFY EXACT LOCATIONS OF ALL RECEPTABLES AND EQUIPMENT. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION WORK TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISION 26.
B. COORDINATE ALL ROUGH-IN REQUIREMENTS OF DEVICES AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
C. UNLESS NOTED OTHERWISE, ALL CABLING SHALL BE IN CONDUIT ROUTED PARALLEL AND TIGHT TO BUILDING STRUCTURE.
D. PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL EQUIPMENT SHOWN PER MANUFACTURER'S PUBLISHED INSTRUCTION.
E. COORDINATE DEVICE COLOR SELECTIONS WITH ARCHITECT AND OWNER.
F. REFER TO MECHANICAL SCHEDULE SHEETS H6.01 AND H6.02 FOR ADDITIONAL INFORMATION.
G. COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.
H. PROVIDE ELECTRICAL SHOCK WARNING LABEL FOR MECHANICAL FC UNITS. "WARNING, LIVE ELECTRICAL PARTS WITHIN" REFER TO SPECIFICATIONS.
I. REFER TO DETAIL 8/E501 FOR WALL DEVICE MOUNTING REQUIREMENTS.
J. REFER TO ARCHITECTURAL DIMENSION PLANS FOR EXACT LOCATIONS OF FLOOR BOXES.

SHEET KEYNOTES

- 1. PANEL TO BE REPLACED IN KIND. EXISTING BRANCH CIRCUITS TO BE MAINTAINED AND REFERRED TO NEW PANELBOARD. REFER TO ONE LINE DIAGRAM.
2. CONTRACTOR SHALL EXCAVATE EXISTING SLAB FOR NEW SECONDARY LATERAL BENEATH THE SLAB. COORDINATE WITH OTHER UTILITIES.
3. PROVIDE DUPLEX RECEPTACLE IN 2-GANG DUAL SERVICE RECESSED TV OUTLET BOX MOUNTED. PROVIDE 1/2" CONDUIT STUBBED UP 3" ABOVE ACCESSIBLE CEILING.
4. ADULT CHANGING STATION. PROVIDE WALL SWITCH FOR POWER SHUT OFF. REFER TO MANUFACTURER INSTRUCTION FOR SWITCH AND ESTOP LOCATION. MAKE FINAL CONNECTIONS.
5. PROVIDE POWER CONNECTION TO AUTOMATIC DOOR OPERATOR. MAKE FINAL CONNECTIONS TO PUSH BUTTONS.
6. JUNCTION BOX FOR POWER CONNECTION TO HAND DRYER (120V, 1200W).
7. JUNCTION BOX FOR POWER CONNECTION TO LOW VOLTAGE FLUSH VALVE TRANSFORMER.
8. RECEPTACLE BELOW SINK FOR AUTOMATIC FAUCET POWER.
9. OVERHEAD DOOR OPERATOR. SIDE MOUNT ON WALL AT 120" A.F.F. PROVIDE LOW VOLTAGE CABLE WITH #14 AWG MINIMUM IN 1/2" CONDUIT TO SAFETY SENSORS AT LOWER EDGES OF DOOR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. WALL MOUNTED OVERHEAD DOOR CONTROLLER PROVIDED BY DOOR SUPPLIER AND INSTALLED BY E.C. MAKE FINAL CONNECTIONS TO DOOR OPERATOR.
11. PROVIDE POWER CONNECTION TO MOTORIZED MOVABLE PARTITION (208V, 3PH) AND CONTROLS. MAKE FINAL CONNECTIONS TO CONTROLS AS INDICATED IN CODED NOTES 12 AND 13. FIELD VERIFY EXACT REQUIREMENTS WITH VENDOR PRIOR TO ROUGH-IN.
12. PUSH BUTTON SWITCH FOR MOTORIZED MOVABLE PARTITION FOR SAFETY OPERATIONS.
13. KEY SWITCH FOR MOTORIZED MOVABLE PARTITION TO ACTIVATE THE SYSTEM. MOUNT AT 42" A.F.F. NEXT TO PUSH BUTTON SWITCH AS INDICATED IN CODED NOTE 8.
14. RECEPTACLE FOR DRAWALIVE SHORT THROW PROJECTOR. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
15. PROVIDE WALL MOUNTED SURFACE JUNCTION BOX. CAST PS STYLE, WEATHERPROOF. FOR FUTURE OWNER PROVIDED PV ARRAY E-STOP BUTTON. LOCATE BOX NEXT TO UTILITY METER. EXTEND 0.75" CONDUIT, CONCEALED WITHIN BUILDING EXTERIOR WALLS, AND INTERIOR CEILING/PARTITIONS, UP TO ROOF MOUNTED PV INVERTER. E-STOP SHALL BE UTILIZED FOR PV SYSTEM RAPID SHUTDOWN.
16. DUCT SMOKE DETECTOR AT RETURN AIR PLENUM WITH INTEGRAL FAN SHUTDOWN RELAY.
17. DUCT SMOKE DETECTOR TEST SWITCH LOCATED IN ACCESSIBLE LOCATION.
18. PROVIDE CONTACTOR PANEL FOR BAS CONTROL. OF EXTERIOR BUILDING MOUNTED RECEPTABLES. (4 POLE, ELECTRICALLY HELD 24V COIL). RECEPTABLES SHALL BE TURNED OFF AT END OF BUSINESS EACH DAY.
19. EXTERIOR RECEPTACLE SHALL BE WIRED THROUGH CONTACTOR PANEL FOR BAS CONTROL.
20. RECEPTACLE FOR DRAW ALIVE SYSTEM.
21. JUNCTION BOX FOR POWER CONNECTION TO DOOR HARDWARE POWER SUPPLY.
22. CEILING MOUNTED RECEPTACLE FOR SOUND DOME.
23. PROVIDE POWER CONNECTION TO MOTORIZED SHADE AND WIRE TO SWITCH (BY SHADE MANUFACTURER). PROVIDE #18 TWISTED PAIR CONDUCTORS TO BAS PANEL SYSTEM LOCAL CONTROL AS REQUIRED.
24. EXISTING PLUGMOLD TO REMAIN.
25. SURFACE MOUNTED ALUMINUM RACEWAY, WIREMOLD 2000 SERIES OR EQUAL.
26. NOT USED.
27. POWER CONNECTION TO SHORT THROW PROJECTOR.
28. RECEPTABLES FOR FISH TANK. COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH FISH TANK VENDOR PRIOR TO ROUGH-IN.
29. POWER CONNECTION TO MECHANICAL CONTROL PANEL.
30. EXTEND GROUNDING ELECTRODE JUMPER (30 AWG) FROM EXISTING GROUNDING ELECTRODES TO NEW GROUND BAR AT NEW SERVICE ENTRANCE. PROVIDE #12 PVC CONDUIT WHERE JUMPER CROSSES THROUGH AREAS OF LIBRARY WITH EXPOSED ROOF STRUCTURE. PAINT CONDUIT TO MATCH STRUCTURE.
31. GROUND BAR - REFER TO DETAIL 5/E501.
32. PROVIDE BONDING JUMPER BETWEEN EXISTING BUILDING STEEL AND NEW ADDITION STEEL. UTIZE #10 AWG. FIELD COORDINATE TWO LOCATIONS.
33. PROVIDE ACOUSTIC PUTTY PAD ON ALL ELECTRICAL WALL DEVICES IN THIS ROOM.
34. POWER CONNECTION TO CONDENSATE PUMP.
35. COORDINATE DEVICE MOUNTING HEIGHT WITH OWNER, WHO WILL PROVIDE WALL MOUNTED AV CABINET.



1 FIRST FLOOR PLAN - POWER
1/8" = 1'-0"

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CML Barnett
Branch
Addition/Renovation

3434 E Livingston Ave.
Columbus, OH 43227



FIRST FLOOR - POWER

E201
03/08/2024

22/160