

ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
A	AMPERE
AFF	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
BGP	BORDER GATEWAY PROTOCOL
CCTV	CLOSED CIRCUIT TELEVISION
C	CEILING MOUNTED
CMP	COMMUNICATIONS PLENUM
CMR	COMMUNICATIONS RISER
CU	COPPER
DIA	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
OFOI	OWNER FURNISHED, OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
PA	PUBLIC ANNOUNCEMENT
P/L	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
TBBC	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
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WM	WALL MOUNTED
WP	WEATHERPROOF

TELECOM SYMBOLS	TELECOM REQUIREMENTS	PATHWAY REQUIREMENTS	
W	SINGLE-PORT WALL DATA OUTLET MOUNTED AT 44" AFF, UNO.	SINGLE GANG, ONE-PORT FACEPLATE. PROVIDE ONE CAT6 CABLE, TERMINATED ON PATCH PANEL IN 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.
V	WORKSTATION WALL OUTLET MOUNTED AT 18" AFF, UNO.	SINGLE GANG, TWO-PORT FACEPLATE. PROVIDE TWO CAT6 CABLES, TERMINATED ON PATCH PANEL IN 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.
FB	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.	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.
H	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 OR WORKSTATION OUTLET. PROVIDE (1) CAT6 CABLE TO TR PATCH PANEL.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND (1) 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING AND (1) 1-1/4" CONDUIT INSTALLED TO TV OUTLET OR ABOVE ACCESSIBLE CEILING.
TV	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.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING, (1) 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING AND (1) 1-1/4" CONDUIT INSTALLED TO HDMI OUTLET OR ABOVE ACCESSIBLE CEILING.
W	DATA OUTLET FOR OWNER-PROVIDED WIRELESS ACCESS POINT, CEILING MOUNTED. W = WALL MOUNTED.	PROVIDE ONE CAT6A CABLE, TERMINATED ON CAT6A JACK IN PATCH PANEL AND INSIDE DATA OUTLET AT WAP. PROVIDE EXTRA 20' COIL OF CABLE AND ONE 12-INCH PATCH CORD AT FINAL WAP LOCATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
SP	SPEAKER, FLUSH MOUNTED.	PROVIDE CABLING AND CONNECTOR PER SPECIFICATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
SP	LOCAL SPEAKER, SURFACE MOUNTED.	PROVIDE CABLING AND CONNECTOR PER SPECIFICATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
PA	PA SPEAKER, SURFACE MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
PA	PA SPEAKER, FLUSH MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
V	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.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A 3" ROUND PLASTER RING MOUNTED FLUSH TO THE CEILING.
V	VOLUME CONTROL FOR PAGING SYSTEM, MOUNTED AT 48" AFF, UNO.	PROVIDE VOLUME CONTROL AND CABLING PER SPECIFICATION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING, 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING, CABLE TRAY, OR TELECOM ROOM.
W	WALL MOUNTED WIRELESS MICROPHONE ANTENNA OUTLET FOR LOOP MICROPHONE SYSTEM, MOUNTED AT 7-10" AFF, UNO.	ROUGH-IN ONLY, OWNER PROVIDING DEVICE AND CABLING.	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.
BT	WALL-MOUNTED BLUETOOTH/AUDIO INPUT OUTLET MOUNTED AT 48" AFF, UNO.	ROUGH-IN ONLY, OWNER PROVIDING DEVICE AND CABLING.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A DOUBLE GANG PLASTER RING, 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
TP	WALL-MOUNTED AV TOUCH PANEL OUTLET, MOUNTED AT 48" AFF, UNO.	ROUGH-IN ONLY, OWNER PROVIDING DEVICE AND CABLING.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING, (1) 1" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.

NOTE: NOT ALL SYMBOLS MAY BE USED.

SECURITY SYMBOLS	PATHWAY REQUIREMENTS	
C	VIDEO SURVEILLANCE CAMERA, OWNER PROVIDED C = CEILING MOUNTED 180 = DUAL LENS CAMERA 360 = QUAD LENS CAMERA D = DOME LENS CAMERA	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 1" RING OUTLET.
A	ALARM HORN, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
CR	CARD READER, OWNER PROVIDED	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. *KP = WITH KEYPAD
DC	DOOR CONTACT, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
GB	GLASS BREAK SENSOR, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
MD	MOTION DETECTOR, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
MS	CCTV MONITOR STATION, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
P	PUSH BUTTON - PANIC, OWNER PROVIDED	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.
LD	PUSH BUTTON - LOCK DOWN, OWNER PROVIDED	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.
I	INTERCOM - STATION, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO TELECOM RACK.
D	DOOR BELL, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO TELECOM RACK.

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 S2 CONTROL UNITS.
- CONTRACTOR SHALL PLAN FOR ONE PRE-INSTALLATION MEETING WITH OWNER, DOOR HARDWARE SUPPLIER AND ARCHITECT TO REVIEW LOCATIONS AND INSTALLATION REQUIREMENTS.
- ALL SECURITY DEVICES SHOWN ON FLOOR PLANS AND SYMBOLS ABOVE SHALL BE ROUGH-INS AND PATHWAYS ONLY, WITH DEVICES PROVIDED BY CML'S SECURITY VENDOR. CONTRACTOR SHALL VERIFY EXACT ROUGH-IN AND PATHWAY REQUIREMENTS WITH CML'S SECURITY VENDOR PRIOR TO ROUGH-IN.

Marion-Franklin Camera Schedule					
Number	Type	Mounting	Environment	Description	Sheet
P1	Outdoor panoramic (3 lens)	Pole-mounted	Exterior	NE Parking Lot	T002
P2	Outdoor panoramic (3 lens)	Pole-mounted	Exterior	E Center Parking Lot	T002
P3	Outdoor panoramic (3 lens)	Pole-mounted	Exterior	SE Parking Lot	T002
1	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NE Corner	T101
2	Outdoor 360 (4 lens)	Ext corner mount	Exterior	East Entrance Walkway	T101
3	Outdoor dome	Ext overhang ceiling	Exterior	Main and Staff Entrances	T101
4	Outdoor 360 (4 lens)	Ext corner mount	Exterior	SE Corner	T101
5	Outdoor 360 (4 lens)	Ext corner mount	Exterior	SW Corner	T101
6	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NW Corner	T101
7	Outdoor dome	Ext wall mount	Exterior	NorthEmergency Exits	T101
8	Indoor 360 (4 lens)	Int ceiling mount	Interior	Public Entrance/Circ Desk/ Bus Ctr	T101
9	Indoor dome	Int ceiling mount	Interior	Restroom Entrance Hallway	T101
10	Indoor 360 (4 lens)	Int ceiling mount	Interior	North Public Area	T101
11	Indoor dome	Int ceiling mount	Interior	School Help	T101
12	Indoor dome	Int wall mount	Interior	Children's Area	T101
13	Indoor dome	Int ceiling mount	Interior	Teen Area	T101
14	Indoor dome	Int wall mount	Interior	Circ Desk	T101
15	Indoor dual-lens	Int ceiling mount	Interior	Small Meeting Rm 2	T101
16	Indoor dome	Int ceiling mount	Interior	Small Meeting Rm 1	T101
17	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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Drawing Issue Dates

Schematic Design Plus Submittal
9/28/2023

Design Development Submittal
11/2/2023

30% Construction Documents
01/15/2024

60% Construction Documents
02/19/2024

90% Construction Documents
3/25/2024

Revision Schedule

No.	Description	Date
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CML Marion Franklin Branch

2800 Lockbourne Rd, Columbus, Ohio 43207

NOT FOR CONSTRUCTION

GENERAL INFORMATION - TECHNOLOGY

TELECOM

T001

03/15/2024

22150

Revision Schedule

No.	Description	Date
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GENERAL SHEET NOTES

- A. COORDINATE ALL ROUGH-IN AND PATHWAY REQUIREMENTS FOR DEVICES IN CASEWORK AND FURNITURE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ROUGH-IN.
- B. COORDINATE ROUGH-IN REQUIREMENTS AND LOCATIONS FOR ALL AV DEVICE WITH CML'S AV VENDOR.
- C. ALL SECURITY DEVICES SHOWN ARE ROUGH-IN AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.
- D. COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECTURAL FURNITURE AND ELECTRICAL POWER DRAWINGS PRIOR TO ROUGH-IN.
- E. ALL DATA CABLES BE ROUTED IN CABLE TRAY, J-HOOKS, OR CONDUIT. CABLES SHALL BE ROUTED INCONSPICUOUSLY, PARALLEL TO BUILDING STRUCTURES AND DUCTWORK ETC.
- F. PROVIDE SEALS AROUND ALL CONDUITS AND ALL TELECOMMUNICATIONS PENETRATIONS.
- G. ALL DATA CABLING SHALL BE HOMERUN TO TELECOM ROOM 126. PROVIDE PATCH PANELS TO SERVE QUANTITY OF OUTLETS SHOWN ON PLANS PLUS 20% SPARE.
- H. ALL SECURITY DEVICES SHOWN ARE ROUGH-INS AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.

SHEET KEYNOTES

1. PROVIDE TWO PORT DATA OUTLET IN 2 GANG DUAL SERVICE RECESSED TV OUTLET BOX MOUNTED AT 44" AFF FOR ROOM SCHEDULING PANEL. UTILIZE LOW VOLTAGE SIDE WITH 1-1/4" KNOCKOUTS FOR DATA CABLING AND TWO PORT FACEPLATE. REFER TO DETAIL 117591.
2. PROVIDE DATA OUTLET FOR BAS PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
3. PROVIDE DATA OUTLET FOR MAIN ELECTRICAL DISTRIBUTION PANEL SMART METERING. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. PROVIDE 12" X 4" D WIRE MESH CABLE TRAY MOUNTED AT 10'-7" AFF.
5. PROVIDE (3) 4" CONDUIT SLEEVES FOR HORIZONTAL CABLING THROUGH WALL.
6. 4-GANG FLOOR BOX FOR POWER AND DATA TO CONNECT TO SYSTEMS FURNITURE. PROVIDE (1) CAT6 PATCH CORD TO EACH WORKSTATION. COORDINATE WITH FURNITURE PLANS AND ELECTRICAL PLANS FOR MORE INFORMATION.
7. PROVIDE DATA OUTLET FLUSH MOUNT IN CEILING FOR OWNER PROVIDED THEFT DETERRENT SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
8. PROVIDE DATA OUTLET FLUSH MOUNT IN CEILING FOR PEOPLE COUNTER SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
9. PROVIDE DATA OUTLET FOR FACP. COORDINATE EXACT REQUIREMENTS WITH FIRE ALARM PROVIDER PRIOR TO ROUGH-IN.
10. LOCK DOWN LEVER MOUNTED UNDERNEATH THE COUNTER. LOCKDOWN SIGNALS SHALL BE TRANSMITTED TO 911 AND CML'S MAIN SECURITY CONTROL CENTER.
11. PANIC BUTTON DEVICE ON MOBILE STAFF CART FOR THE AREA. PROVIDED BY CML'S SECURITY VENDOR.
12. PROVIDE WEATHERPROOF OUTDOOR WAP MOUNTED AT 10' AFG.
13. PROVIDE 1-1/2" CONDUIT ROUTED UNDER THE SLAB, THEN TURN UP TO SERVICE DEVICES LOCATED IN CASEWORK. PROVIDE (6) DATA CABLES IN CONDUIT.
14. PROVIDE JUNCTION BOX FLUSH WITH THE WALL FOR DATA CABLING PASS THROUGH CONNECTION TO SYSTEM FURNITURE DEVICE.
15. PROVIDE (1) HIGH DATA/HDMI OUTLET MOUNTED AT 72" AFF FOR DRAW ALIVE PROJECTION SYSTEM. PROVIDE (1) LOW DATA/HDMI OUTLET MOUNTED AT 42" FOR DRAWING ALIVE INPUT STATION. HIGH AND LOW HDMI'S SHALL BE CONNECTED TOGETHER WITH A 1-1/4" CONDUIT.
16. PROVIDE (1) HDMI FEMALE CONNECTOR IN FLOOR BOX. ROUTE 1-1/4" CONDUIT FROM FLOOR BOX TO HDMI OUTLET IN WALL FOR CONNECTION TO MOBILE TV CART.
17. PROVIDE A RECESSED 2-GANG ROUGH-IN FOR CML PROVIDED SHORT THROW PROJECTOR AT 9'-3" AFF. PROVIDE 1" CONDUIT FROM ROUGH-IN TO ABOVE ACCESSIBLE CEILING. COORDINATE EXACT REQUIREMENTS WITH CML'S AV VENDOR.
18. PANIC BUTTON DEVICE, PROVIDED BY CML'S SECURITY VENDOR

ALL SPEAKERS TO BE TIED INTO OWNER CMAR PROVIDED PAGING SYSTEM

Teen Room 109
- 65" GAMING TV WALL MOUNTED WITH HDMI WALL CONNECTION

Children's Room 110
- CONTROL PANEL FOR SOUND SYSTEM
- MICROPHONES
- SPEAKERS

Group Study Room 106
- 43" SAMSUNG TV ON OWNER PROVIDED MOBILE CART
- AIRMEDIA

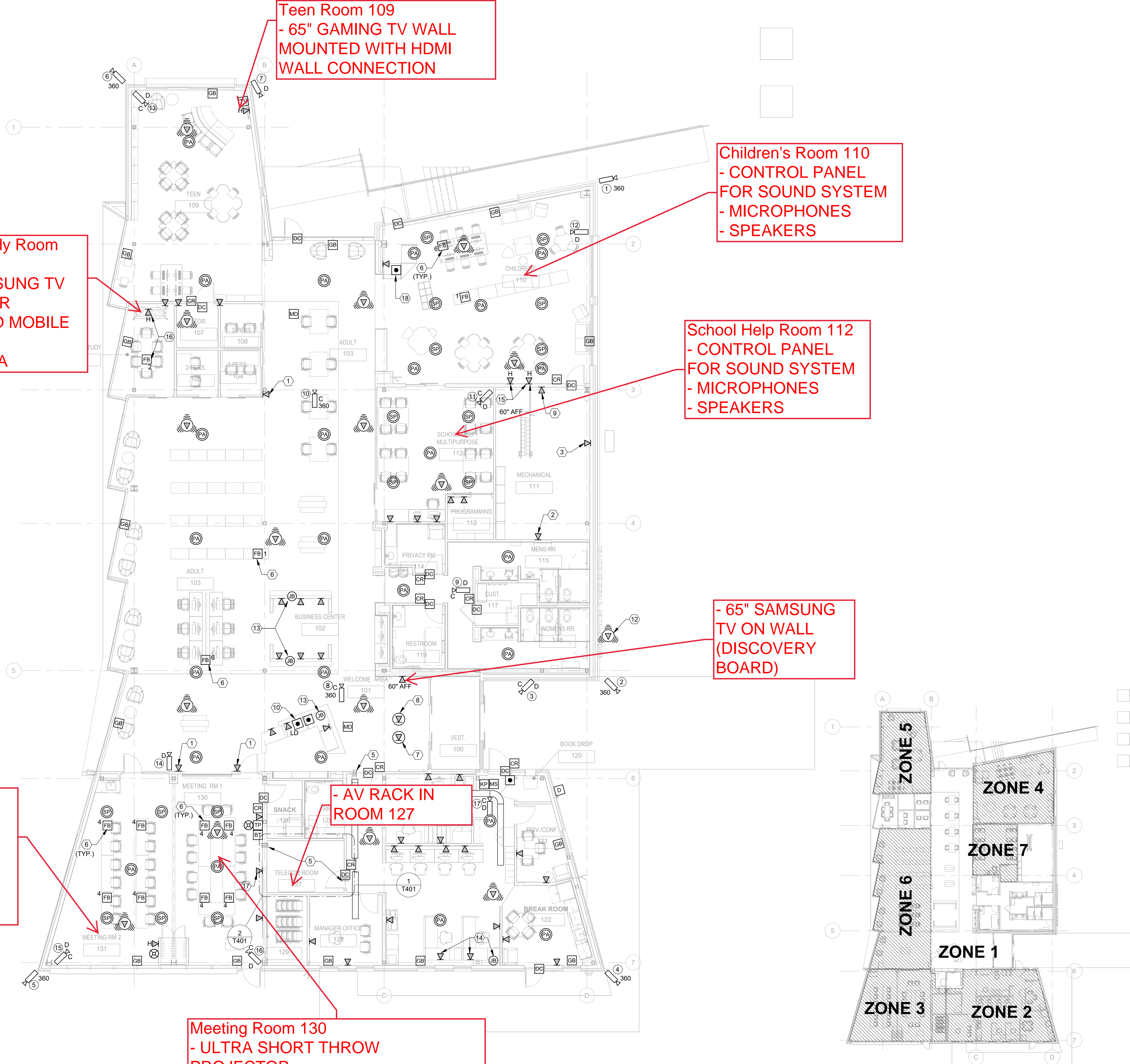
School Help Room 112
- CONTROL PANEL FOR SOUND SYSTEM
- MICROPHONES
- SPEAKERS

- 65" SAMSUNG TV ON WALL (DISCOVERY BOARD)

Meeting Room 131
- 65" SAMSUNG TV ON OWNER PROVIDED CART WITH HDMI WALL CONNECTION
- LOOP HEARING ASSIST SYSTEM
- MICROPHONES
- SPEAKERS

- AV RACK IN ROOM 127

Meeting Room 130
- ULTRA SHORT THROW PROJECTOR
- LOOP HEARING ASSIST SYSTEM
- MICROPHONES
- WALL CONTROL PANEL
- WALL CONNECTIONS
- SPEAKERS
- AIRMEDIA

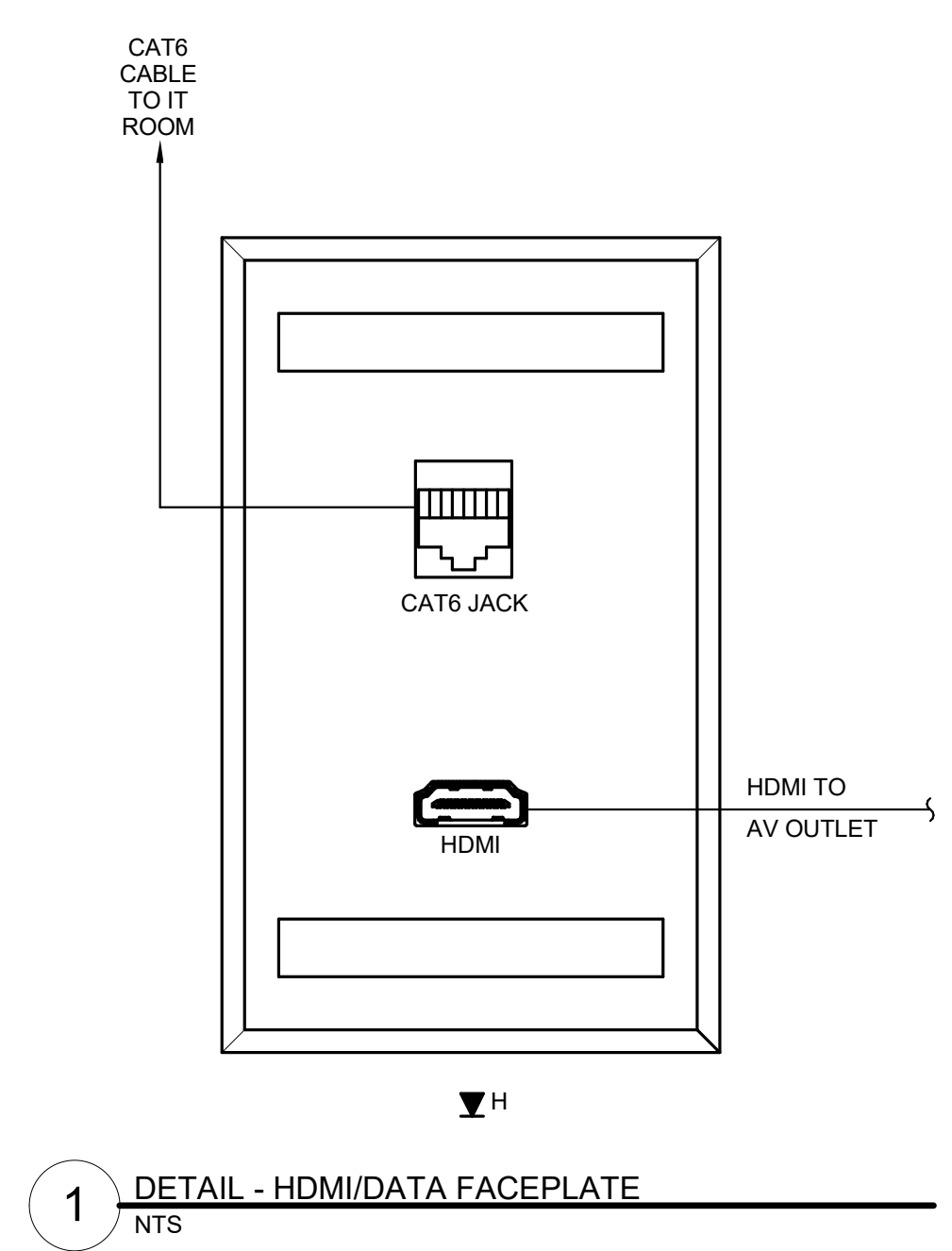


1 FIRST FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"

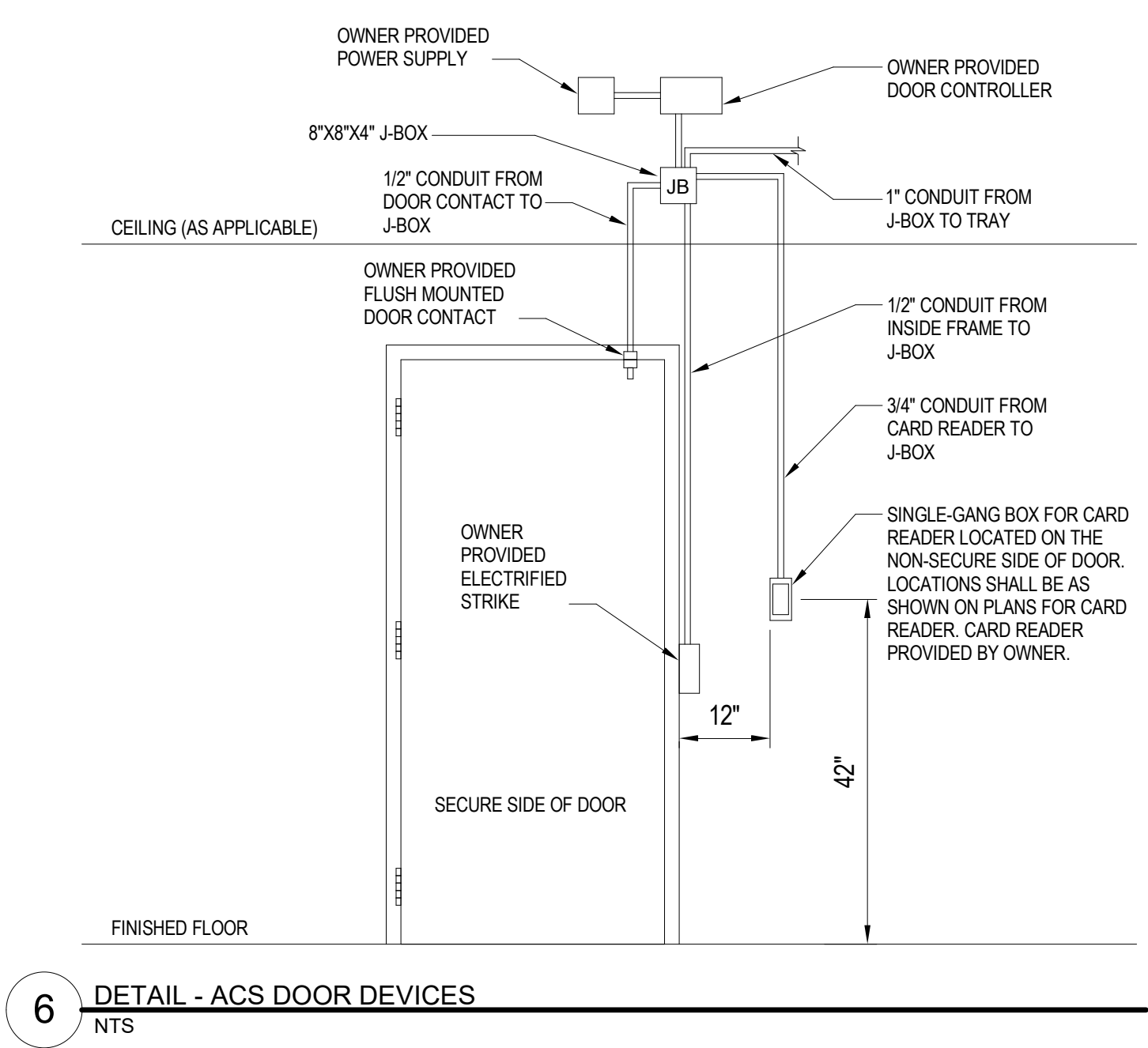
2 FIRST FLOOR PLAN - PAGING ZONES
3/84" = 1'-0"

GENERAL SHEET NOTES

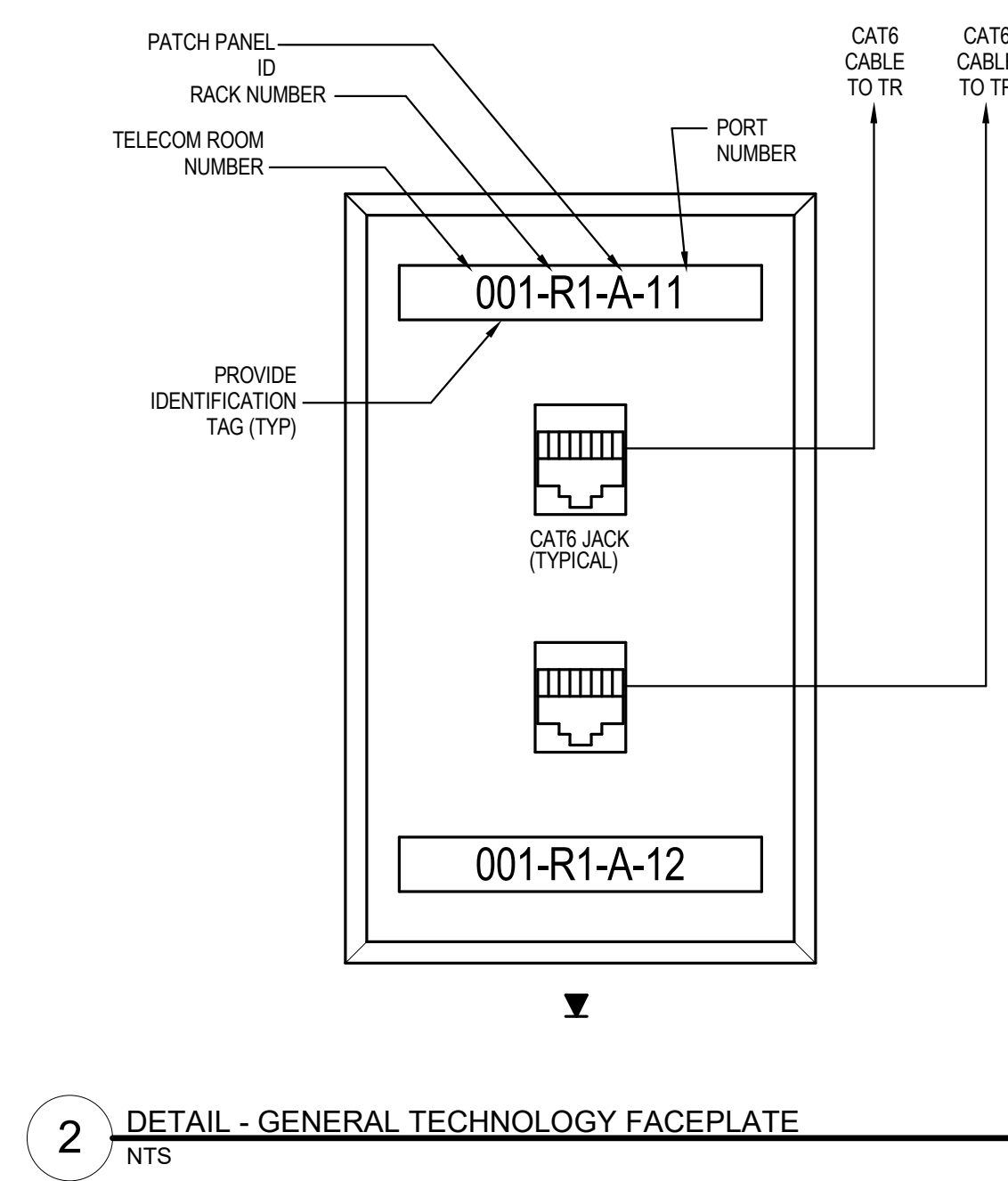
1. ALL SECURITY DEVICES SHOWN ARE ROUGH-IN AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.



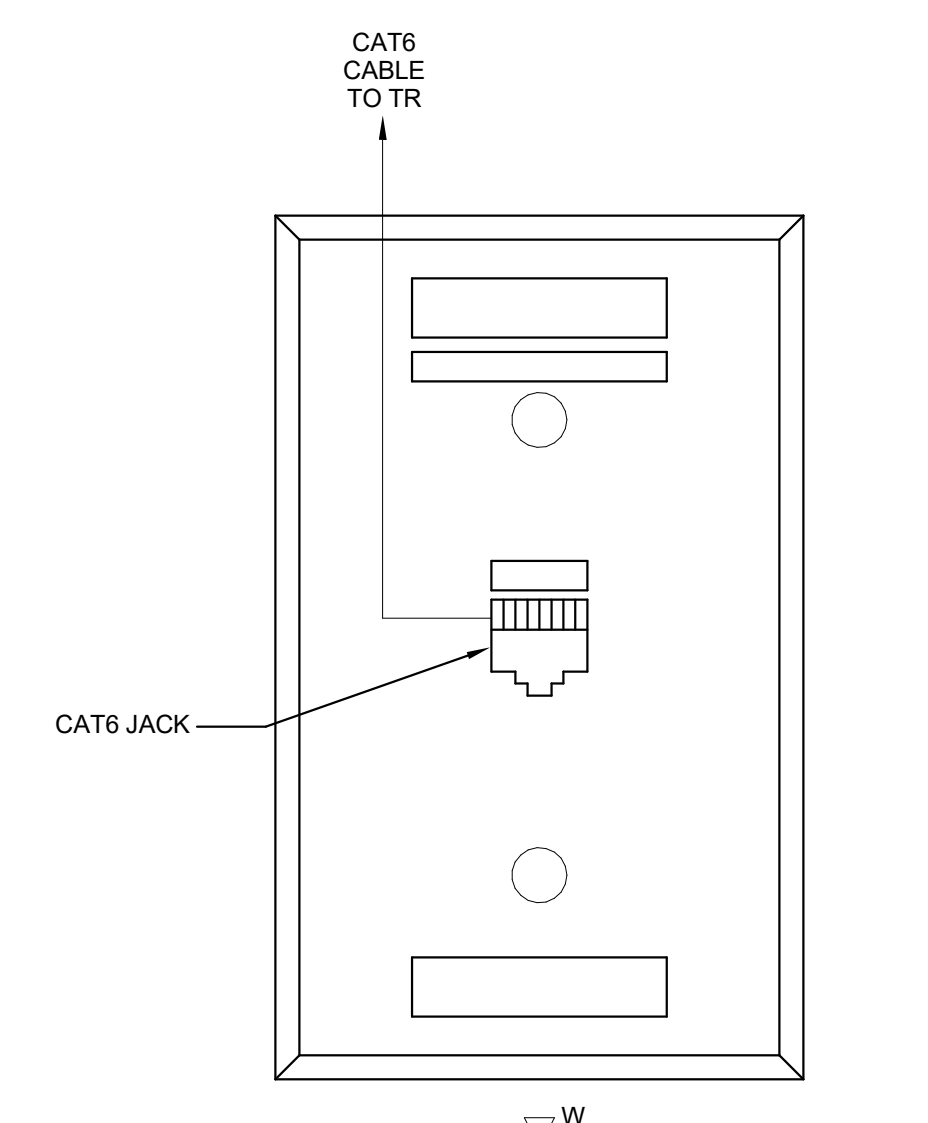
1 DETAIL - HDMI/DATA FACEPLATE
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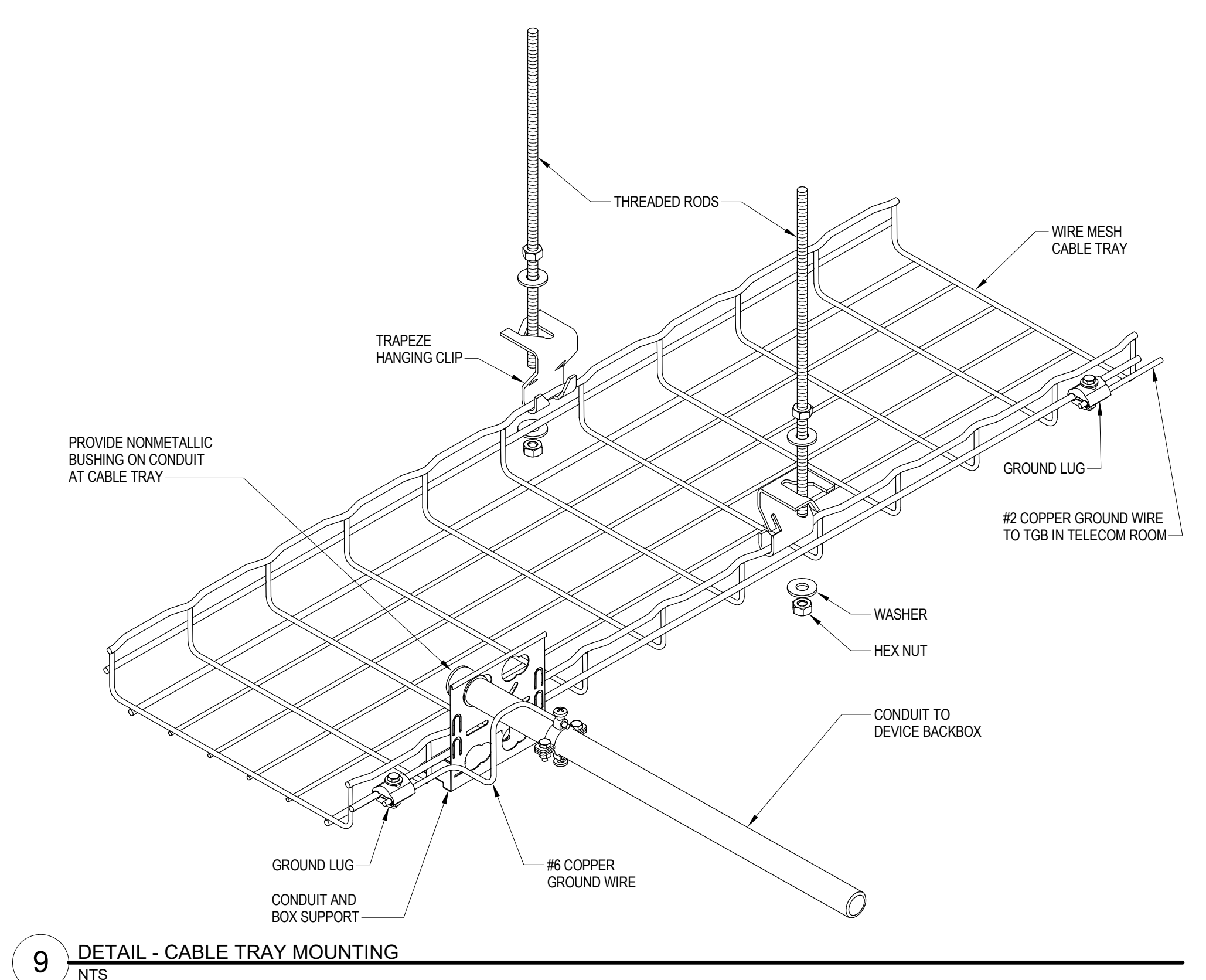
6 DETAIL - ACS DOOR DEVICES
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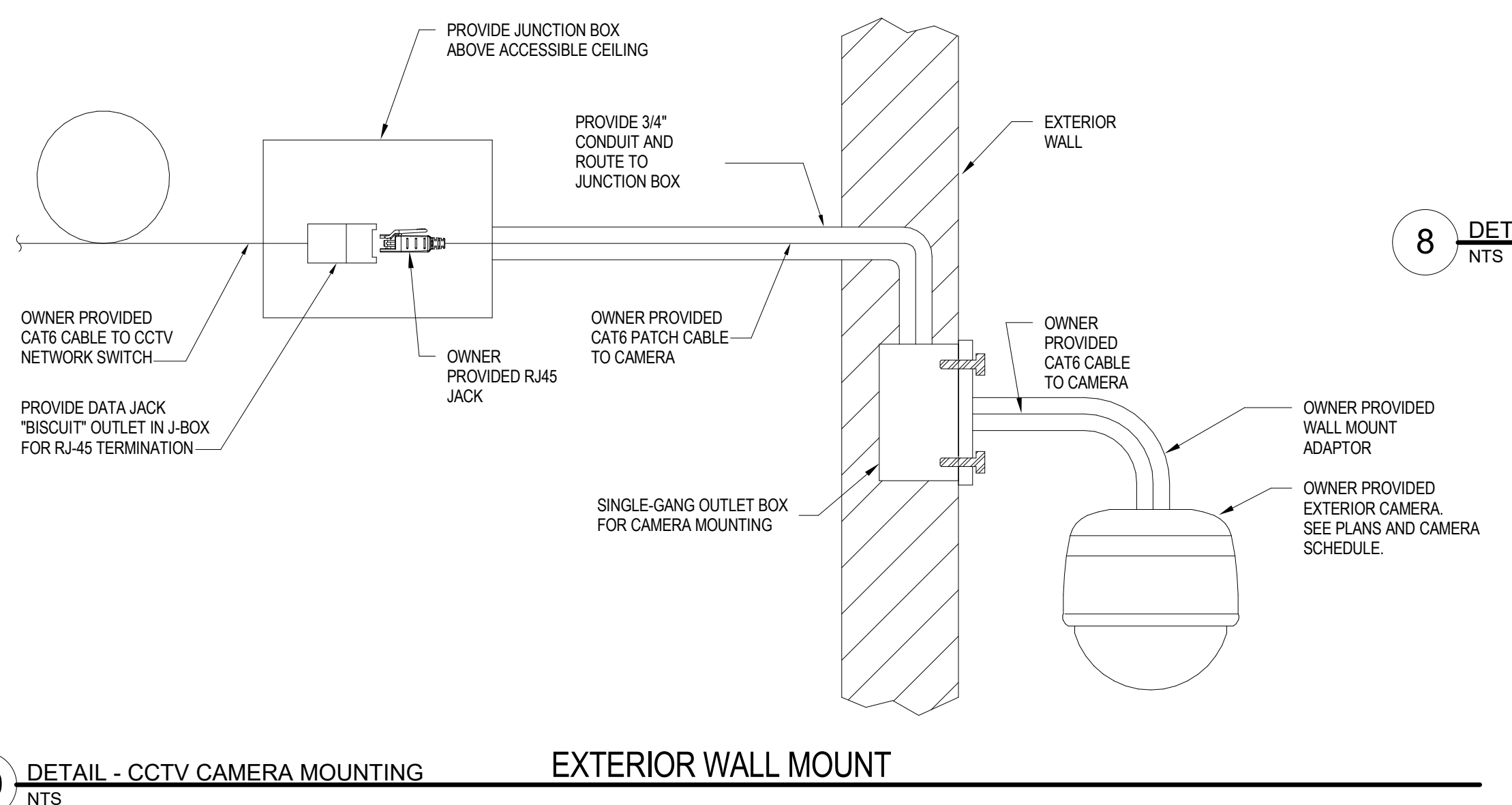
2 DETAIL - GENERAL TECHNOLOGY FACEPLATE
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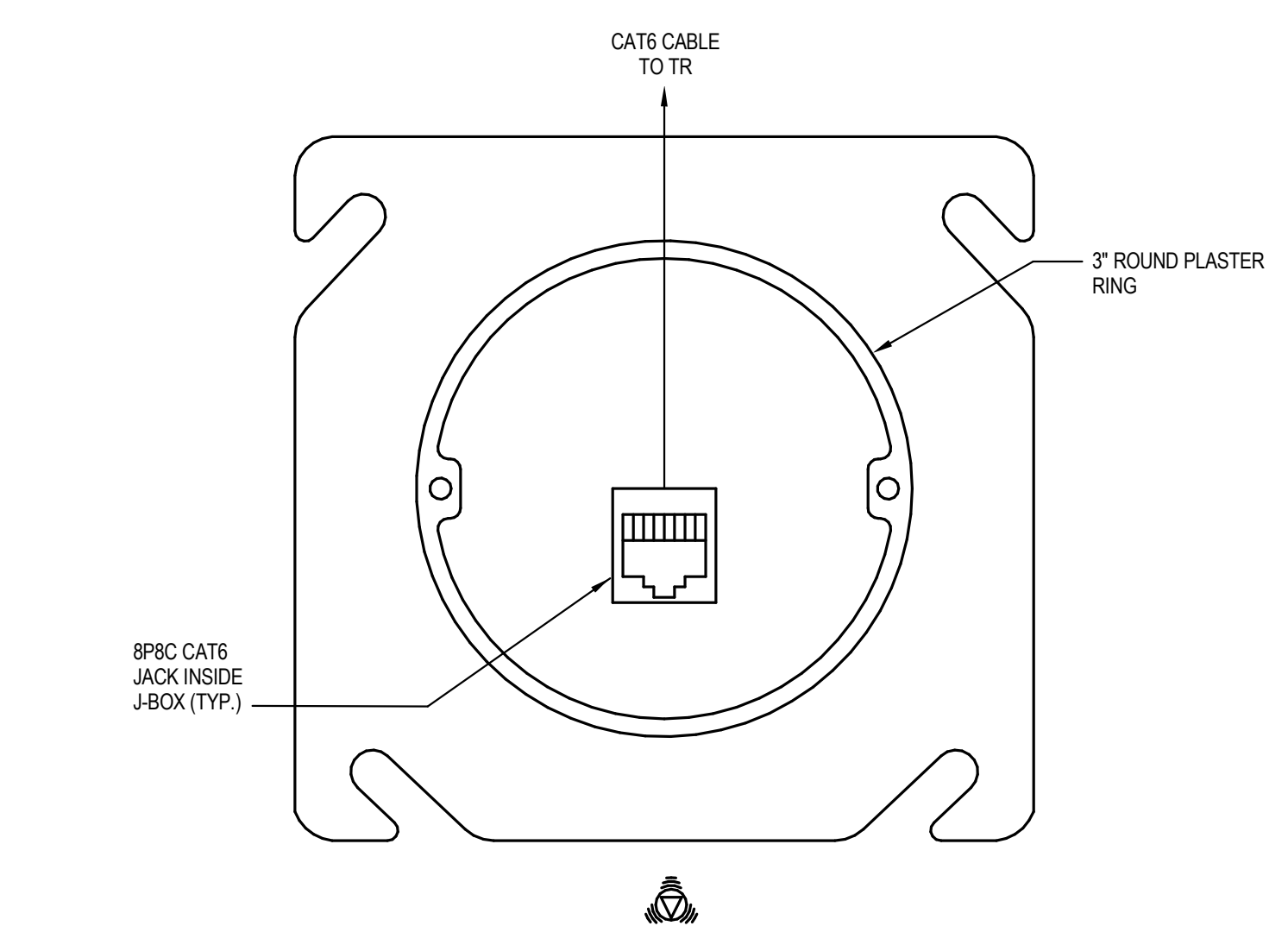
8 DETAIL - WALL PHONE DATA FACEPLATE
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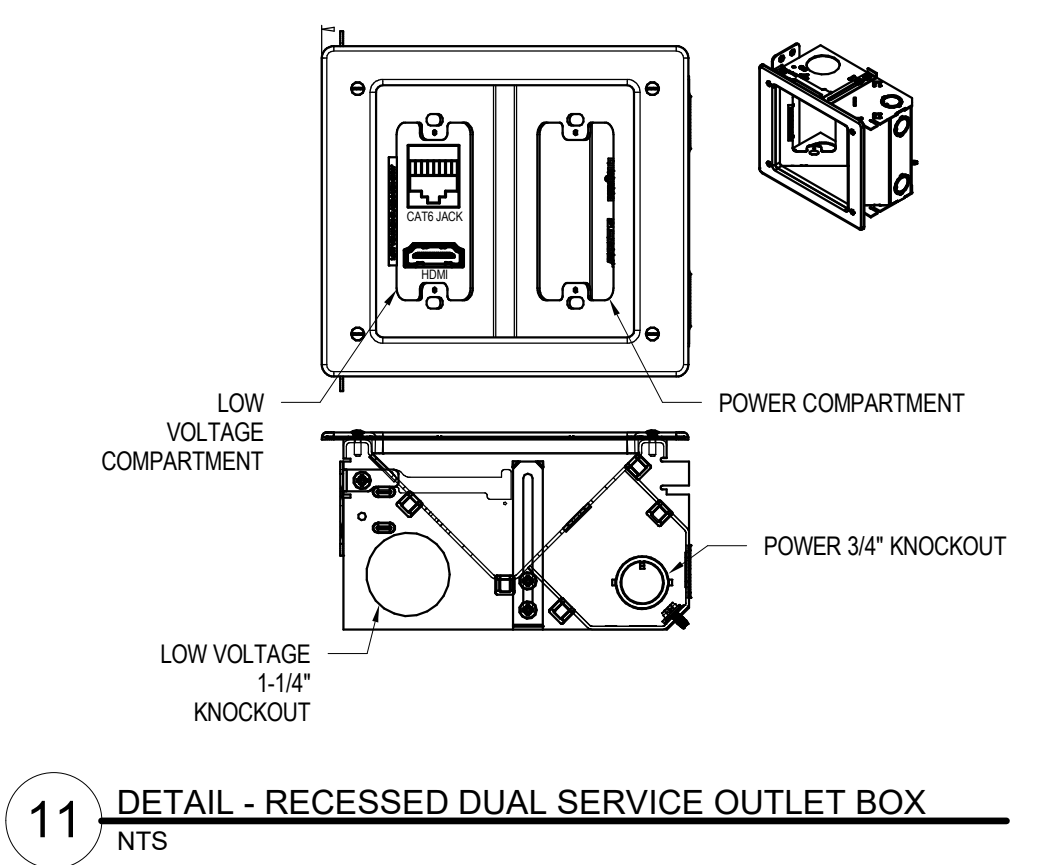
9 DETAIL - CABLE TRAY MOUNTING
NTS



10 DETAIL - CCTV CAMERA MOUNTING
EXTERIOR WALL MOUNT
NTS



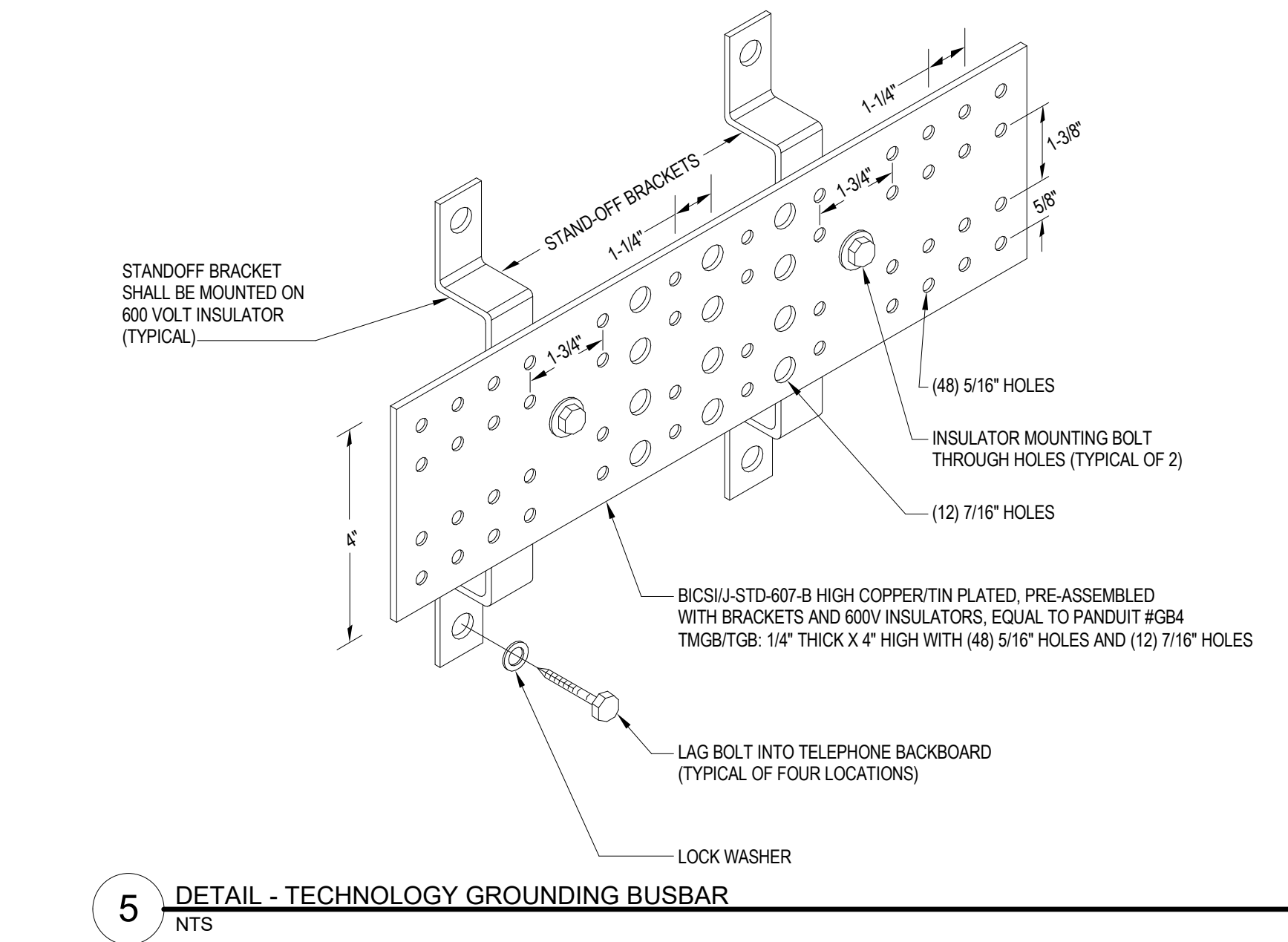
3 WIRELESS ACCESS POINT OUTLET
NTS



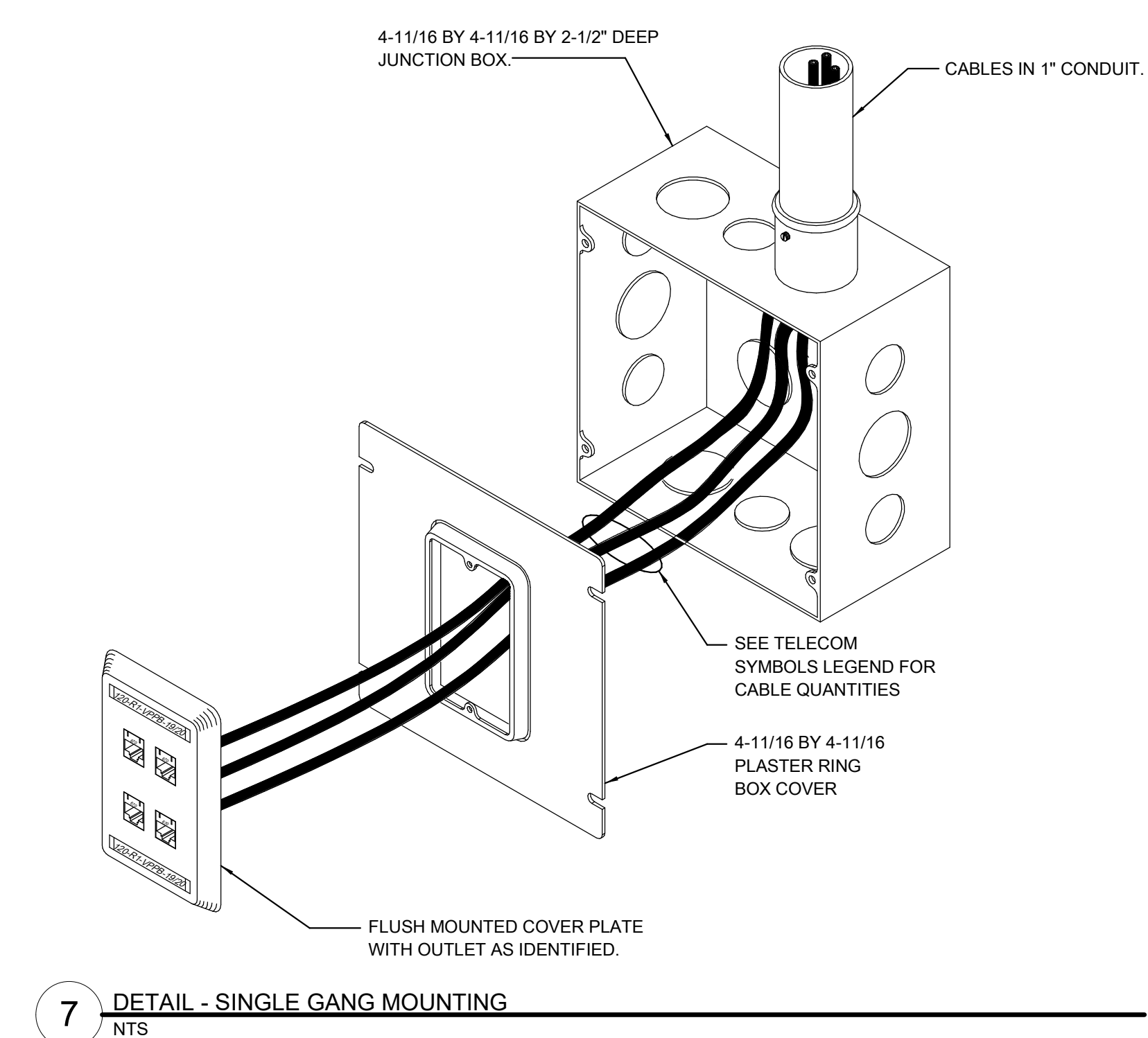
11 DETAIL - RECESSED DUAL SERVICE OUTLET BOX
NTS



4 DETAIL - BUS BAR MOUNTING
NTS



5 DETAIL - TECHNOLOGY GROUNDING BUSBAR
NTS



7 DETAIL - SINGLE GANG MOUNTING
NTS

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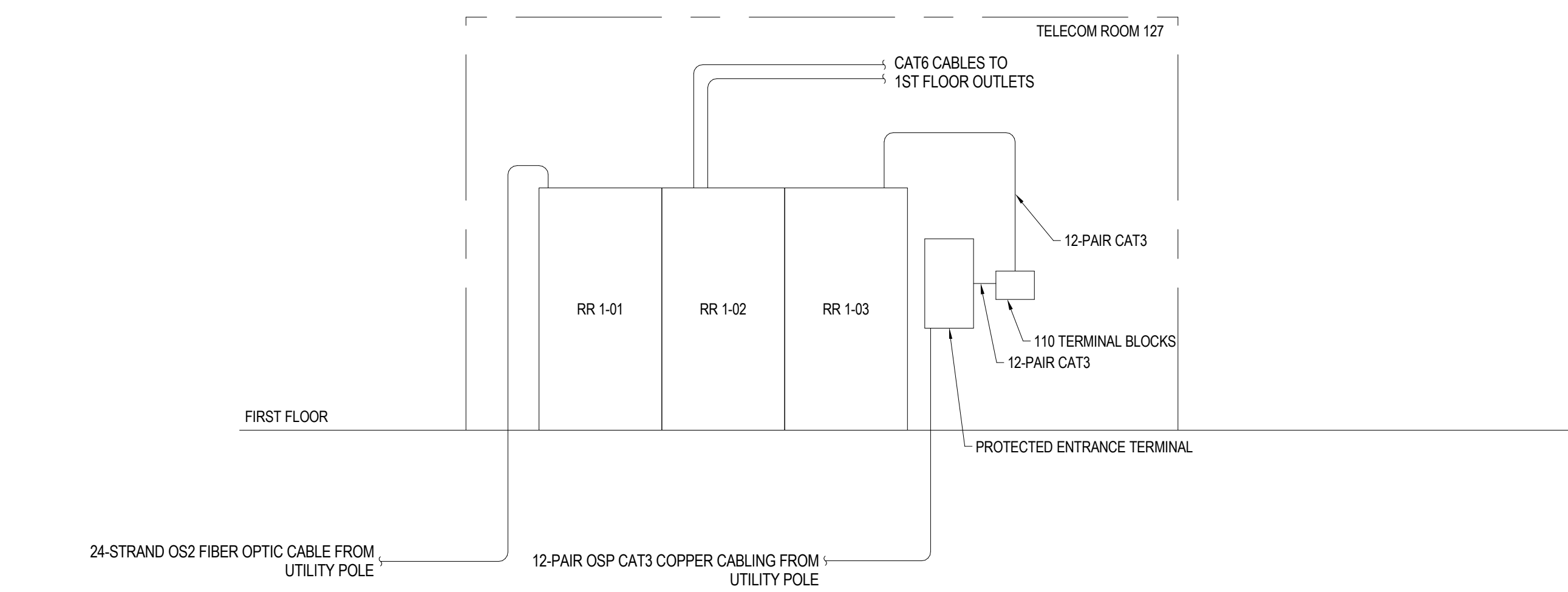
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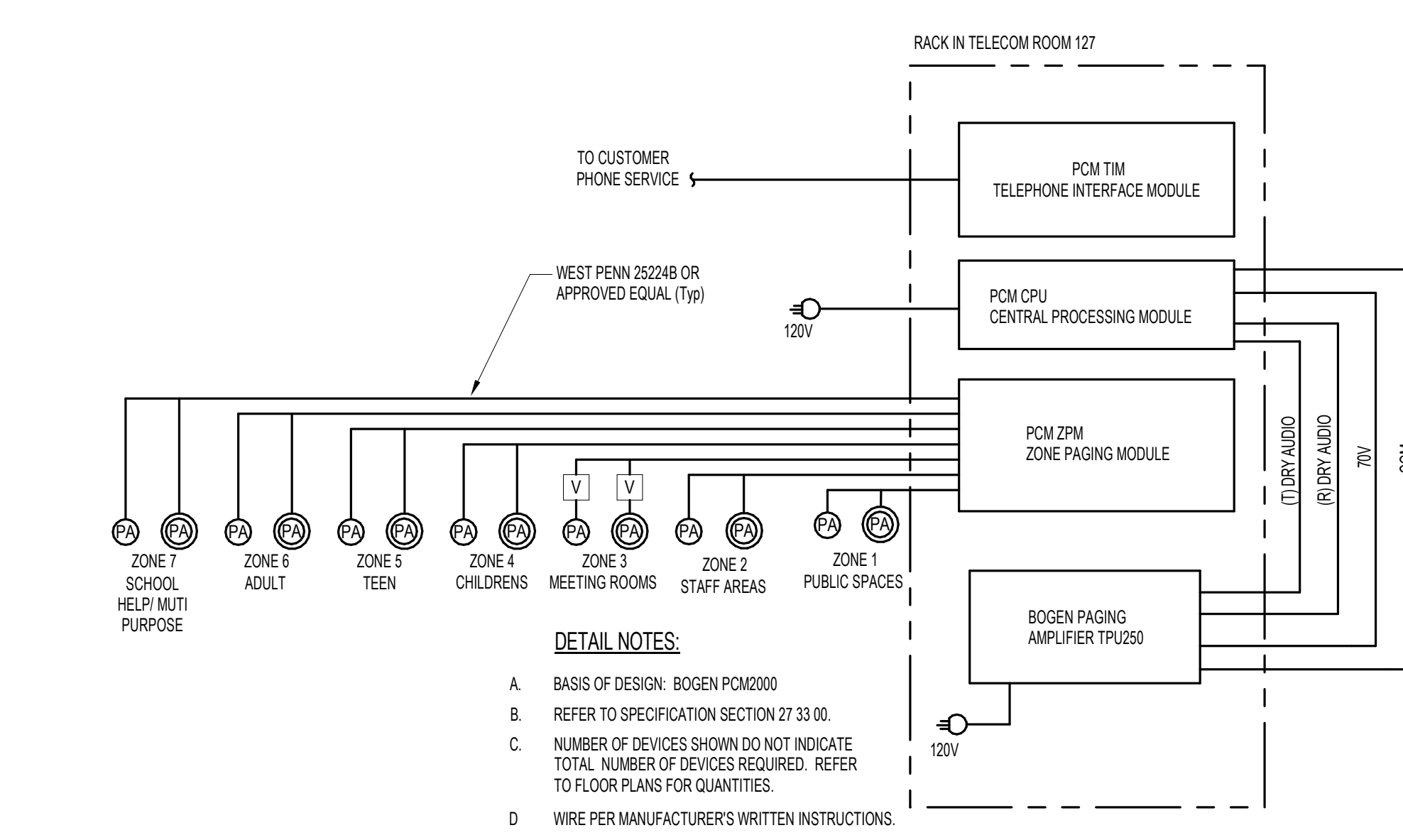
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Revision Schedule

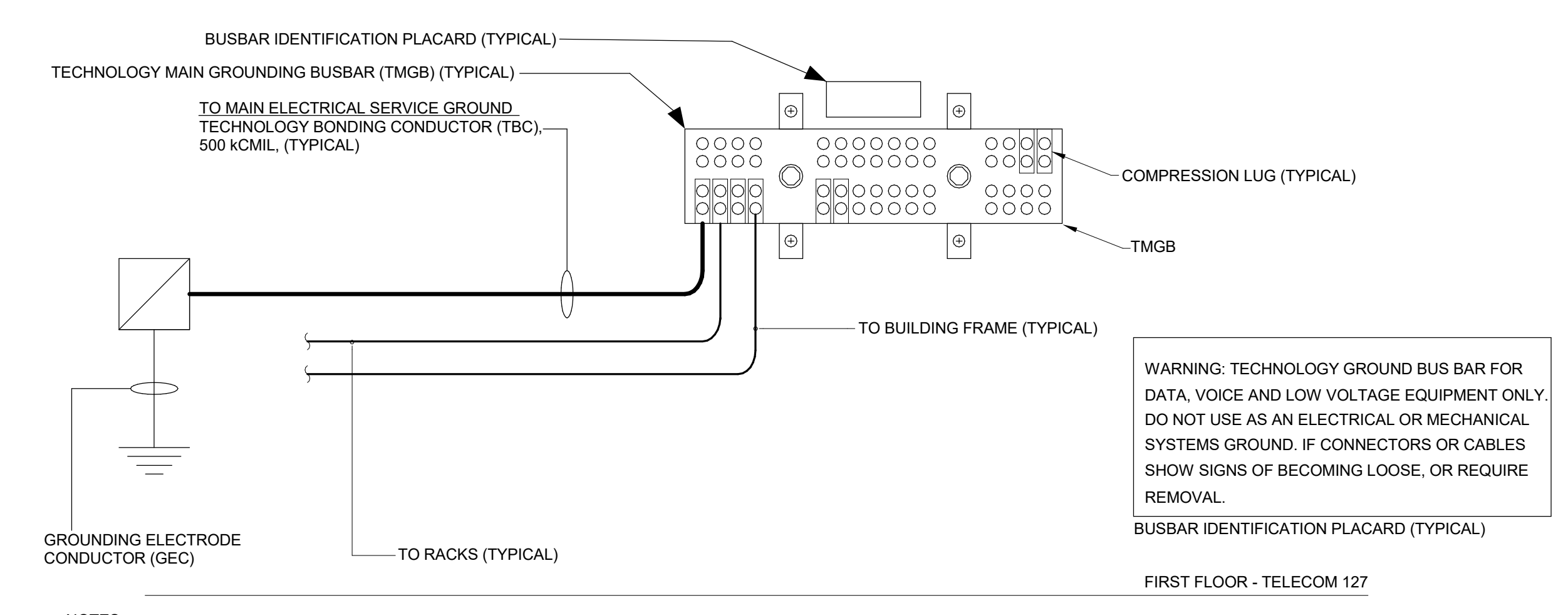
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1 DIAGRAM - TECHNOLOGY CABLING
NTS



2 DIAGRAM - PAGING & INTERCOM SYSTEM RISER
NTS



NOTES:
1. WITH THE EXCEPTION OF THE MAIN ELECTRICAL SERVICE GROUND, ALL BONDING CONDUCTOR SIZES ARE SHOWN FOR REFERENCE ONLY. ACTUAL SIZE OF EACH BONDING CONDUCTOR SHALL BE BASED ON ITS LENGTH AS SPECIFIED BY THE TIA 607-C. ALL BONDING CONDUCTORS SHALL BE INSULATED.
2. ALL TECHNOLOGY BUSBARS SHALL HAVE AN ENGRAVED PLACARD AFFIXED DIRECTLY ABOVE THE BUSBAR STATING, "WARNING TECHNOLOGY BUSBAR FOR DATA, VOICE AND VIDEO COMMUNICATIONS EQUIPMENT ONLY, CONTACT ITD WHEN REMOVING CABLES OR WHEN CABLES APPEAR TO BE LOOSE OR CORRODED".
3. EACH GROUNDING AND BONDING CONDUCTOR SHALL BE LABELED AT ITS POINT OF TERMINATION WITH THE FOLLOWING INFORMATION, "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE NOTIFY ITD OR BUILDING FACILITIES IMMEDIATELY".

3 SCHEMATIC - TECHNOLOGY GROUNDING
NTS

CML Marion
Franklin Branch

2800 Lockbourne Rd,
Columbus, Ohio 43207

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DIAGRAMS -
TECHNOLOGY

Consultants:

- Civil Engineer*
Moody Engineering
300 Spruce St. Suite 200, Columbus OH 43215
- Landscape Architect*
MKSK
452 Lantana St., Columbus OH 43215
- Structural Engineer*
SMDH
1166 Dublin Rd. Suite 200, Columbus OH 43215
- MEP Engineer*
Advanced Engineering Consultants
1405 Dublin Rd., Columbus OH 43215

Drawing Issue Dates

- Schematic Design Plus Submittal
9/28/2023
- Design Development Submittal
11/2/2023
- 30% Construction Documents
01/15/2024
- 60% Construction Documents
02/19/2024
- 90% Construction Documents
03/25/2024

Revision Schedule

No.	Description	Date

CML Marion
Franklin Branch

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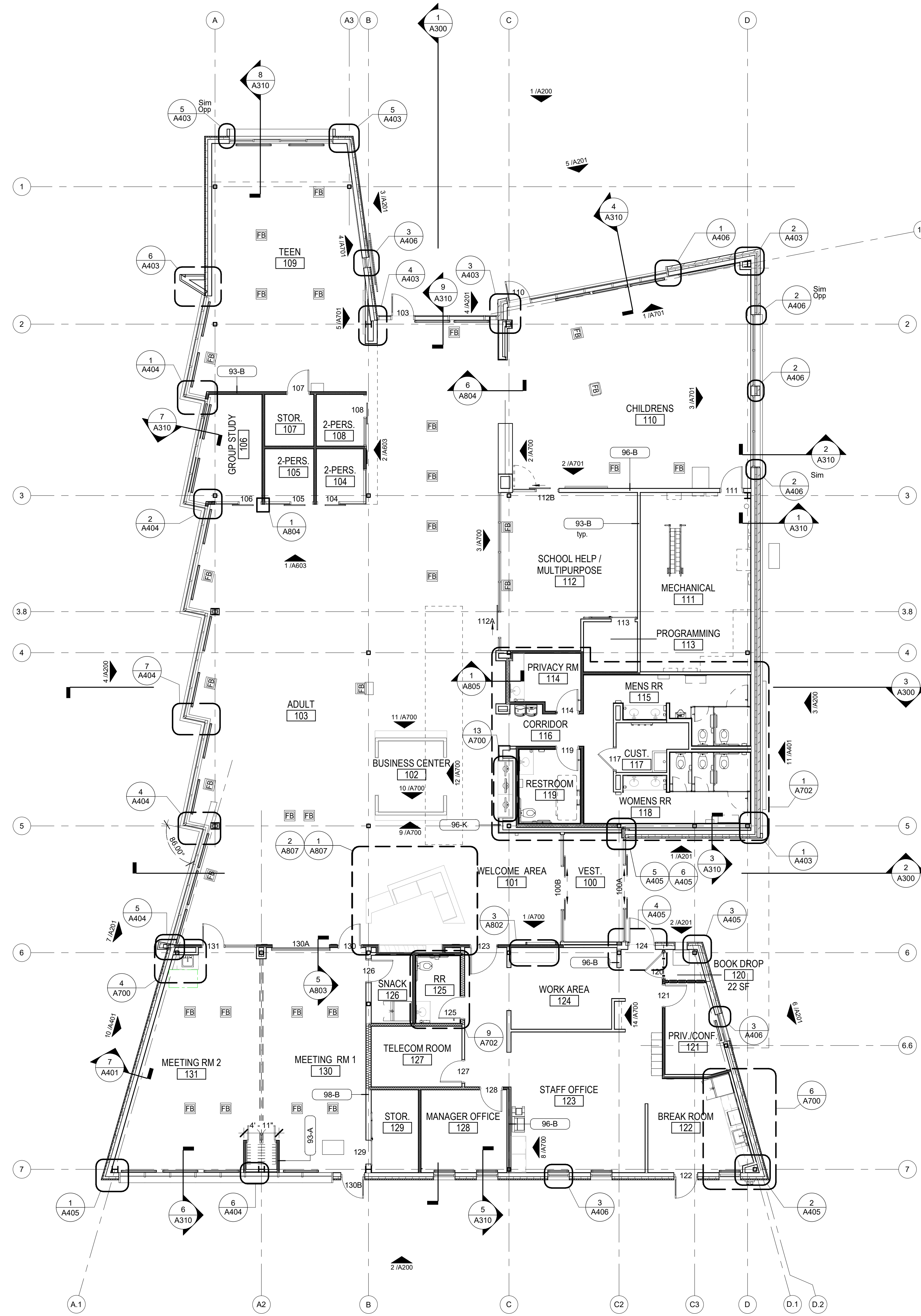
First Floor Plan

Architectural
A101a

22150

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 tie, 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 it. 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-ins/feature 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 A020 for more information.



1 First Floor Plan
1/8" = 1'-0"

Consultants:

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Landscape Architect
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402 Linden St., Columbus OH 43215

Structural Engineer
SMDH
1188 Dublin Rd. Suite 200, Columbus OH 43215

MEP Engineer
Advanced Engineering Consultants
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Reflected Ceiling
Plan

A151

REFLECTED CEILING PLAN - GENERAL NOTES

- A. All hanging lights 11'-0" A.F.F.
- B. Center all ACT grids to room.
- C. Paint all exposed ceilings white, see architect for color.
- D. CE2 Bulkhead at skylights. Provide LED strip light accent at skylights.

NEW WORK RCP CODED NOTES

- NC1 Provide Motorized Window Shade 122413.1.1, 5% Open. See Spec for more information.
- NC2 Provide Motorized Double Window Shade 122413.1.2, 5% Open And Blackout. See Spec For More Information.
- NC3 Decorative lighting fixtures. See electrical drawings.
- NC4 Garage door to retract above ceiling. Acoustic tile ceiling supported by structural studs. See detail 4/A806 for more information.
- NC5 Felt ceiling baffles; see specification 09 84 36
- NC6 PT-2 To extend down the wall and align to same plane as wood ceiling
- NC7 Ceiling, structure, and MEPT items to be painted PT-2 this area.
- NC8 Soffit and sides of soffit to be painted PT-1.
- NC9 Soffit and sides of soffit to be painted PT-2.
- NC10 Soffit and sides of soffit to be painted PT-3.

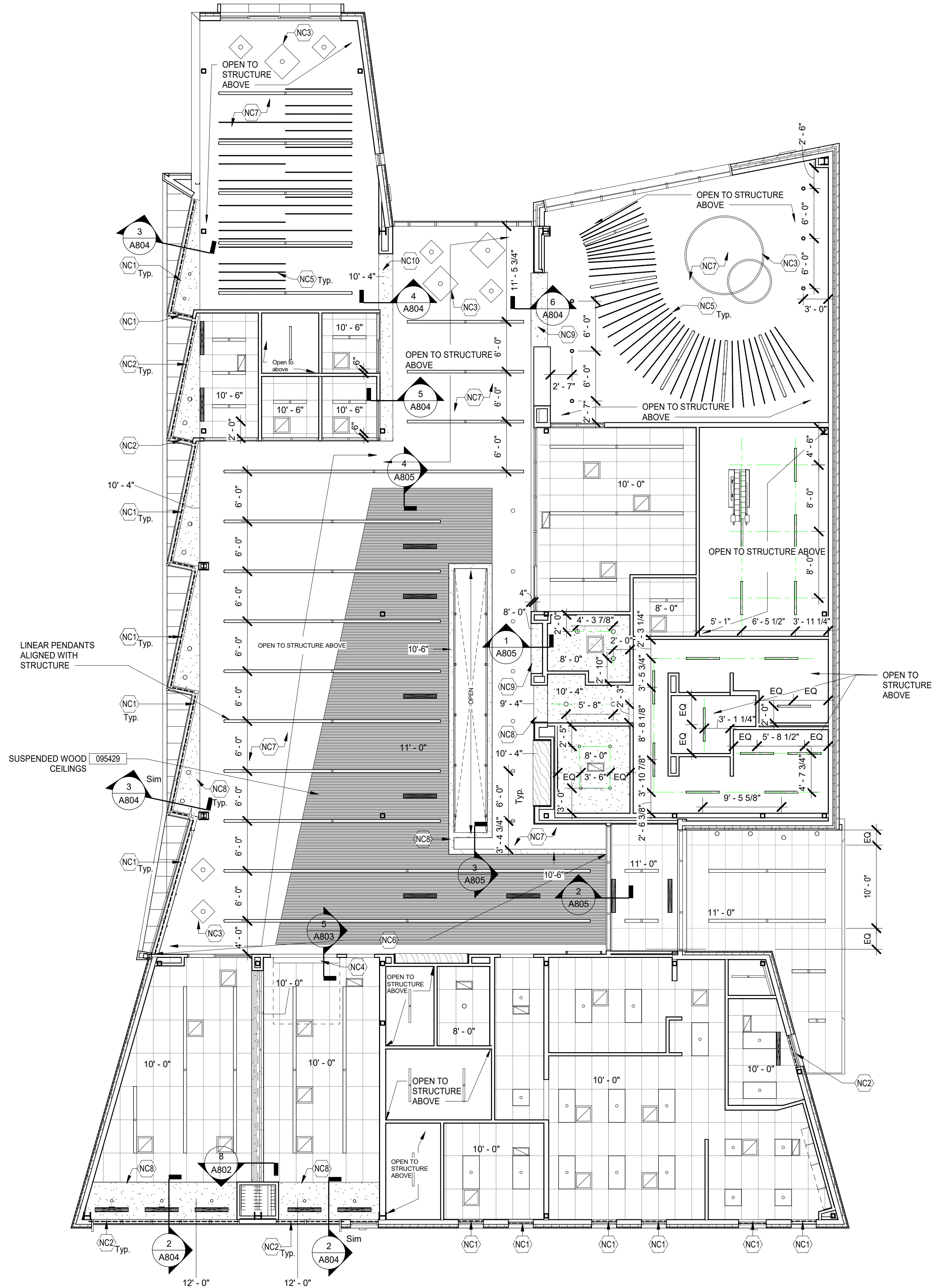
REFLECTED CEILING PLAN LEGEND

- CE1 - 2x4 ACT
- CE2 - Gypsum Board
- CE2B - Gypsum Board Moisture Resistant
- CE4 - ACM Panels
- CE5 - Interior Wood Panel Ceiling
- Open to structure above

REFER TO MATERIALS LIST AND INTERIOR FINISH SCHEDULE FOR MORE INFORMATION

LIGHTING LEGEND

- 4" recessed can
- 6" recessed can
- 2X2 recessed
- 2X4 recessed
- 4" hung strip light
- 4" fully recessed linear LED slot light
- 48" and 32" decorative fixture
- Circular Decorative fixture



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

Consultants:

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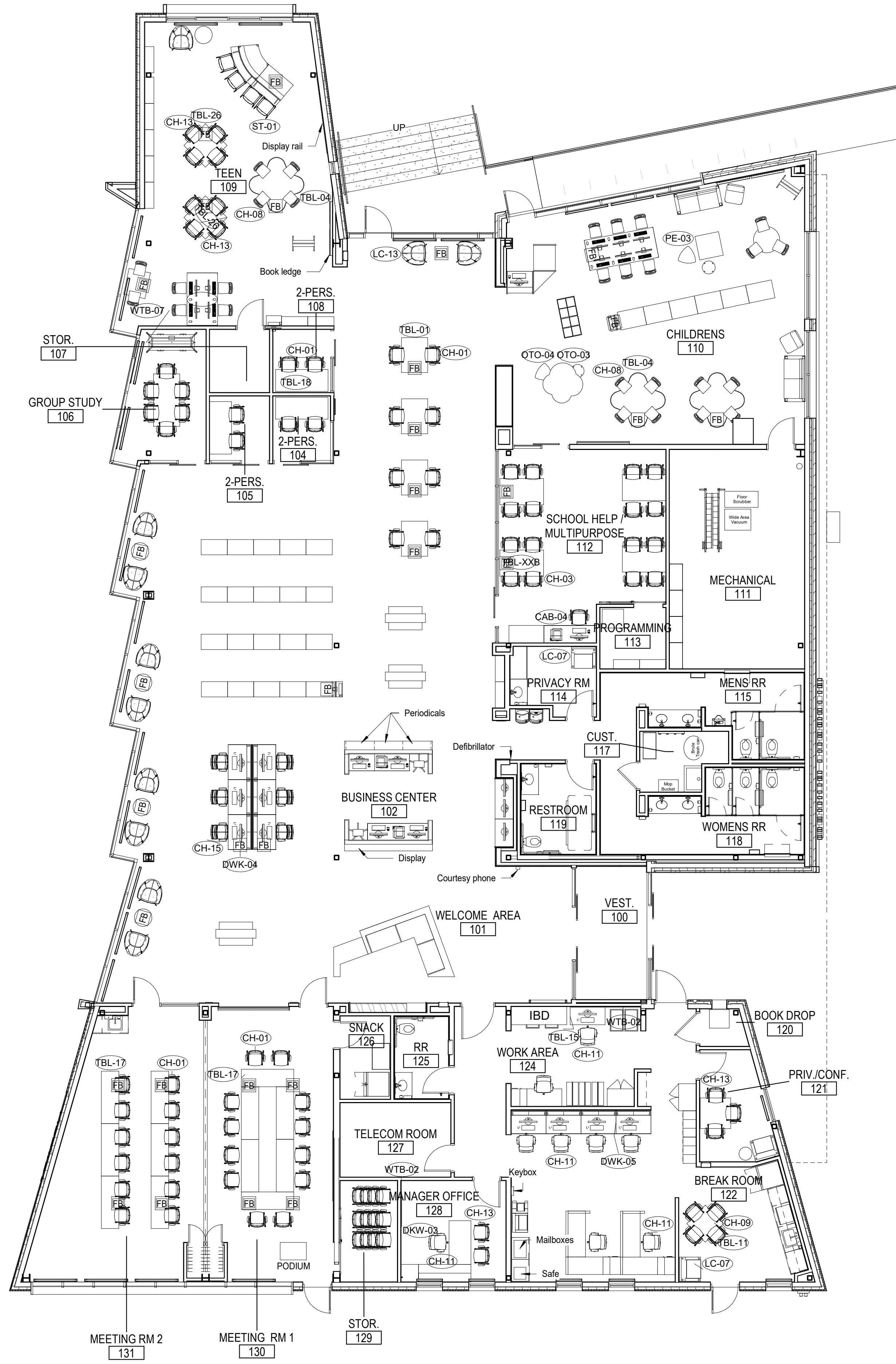
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Revision Schedule

No.	Description	Date

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	QUANTITY
<varies>		174
CAB-04	SHC Staff Station	1
CH-01	Sit on it relay	56
CH-03	Sit on it bag	17
CH-06	Emeco navy chair	3
CH-08	Emeco navy chair	24
CH-09	Sit on it relay	4
CH-11	Sit on it amplify	9
CH-13	Sit on it bag	13
CH-15	Sit on it movie light task armless	6
DKW-02	AIS Cubicles	2
DKW-03	AIS Manager desk	1
LC-06	ISI Arwyn Lounge	2
LC-07	EKO G1 Lounge	3
LC-13	Arcadia Odette Chair 5861	11
OTO-03	ERG MIA round ottoman	2
OTO-04	ERG MIA triangle ottoman	2
PE-03	Momentum Interactive large cube diplo blocks	1
ST-01	Level 4 Design Nett Barstool	4
TBL-01	Enwork Zori - Leg power out table	4
TBL-04	Mediatech workbook island table	3
TBL-08	Enwork Landing	1
TBL-11	Enwork Zori	1
TBL-15	Enwork Solano	2
TBL-17	Enwork Zori Fliptop	12
TBL-18	Leg power cut out	3
TBL-25	Nevins Abbott solid surface cylinder table	5
TBL-26	Enwork Zori	2
TBL-XXB	Enwork ?	4
WTB-02	Clarius float magnetic glassboard 48"x30"	2
WTB-07	Enwork Zori mobile monitor stand on casters	1

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

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Franklin Branch

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Columbus, Ohio 43207

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Furniture Plan

A1001

Consultants:

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- Landscape Architect*
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401 Lantana St, Columbus OH 43215
- Structural Engineer*
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Franklin Branch

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GENERAL
INFORMATION -
ELECTRICAL

E001

03/15/2024

22150

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

FIRE ALARM SYMBOLS	
	MANUAL PULL STATION (48" AFF 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)
	WALL MOUNTED 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

CLOCK SYMBOLS	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
	WALL MOUNTED ANALOG CLOCK: S=SINGLE FACE, D=DOUBLE FACE
	CEILING MOUNTED ANALOG CLOCK: S=SINGLE FACE, D=DOUBLE FACE
	WALL MOUNTED DIGITAL CLOCK: S=SINGLE FACE, D=DOUBLE FACE
	CEILING MOUNTED DIGITAL CLOCK: S=SINGLE FACE, D=DOUBLE FACE

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 COVER
	RECEPTACLE, MOUNT AT 4" ABOVE SURFACE OR BACKSPASH TO BOTTOM (48" AFF IF NO SURFACE)
	USB TYPE RECEPTACLE WITH TAMPER RESISTANT
	SIMPLEX RECEPTACLE
	QUADRUPLEX 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=STARTER SIZE, Y=NUMBER OF POLES
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH: X=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
	SURGE PROTECTIVE DEVICE
	PANELBOARD
	RECESSED 2-GANG FLOOR BOX (POWER ONLY) (WIREMOLD RFB11-FPCTC SERIES OR APPROVED EQUAL) (1) DUPLEX RECEPTACLE (1) EMPTY GANG FOR FUTURE USE
	RECESSED 4-GANG FLOOR BOX (POWER AND DATA) (WIREMOLD RFB11-FPCTC SERIES OR APPROVED EQUAL) (2) DUPLEX RECEPTACLES (2) DATA OUTLETS
	RECESSED 6-GANG FLOOR BOX (POWER AND DATA) (WIREMOLD RFB11-FPCTC SERIES OR APPROVED EQUAL) (3) DUPLEX RECEPTACLES (6) DATA OUTLETS
	RECESSED FLOOR BOX (POWER AND DATA) (WIREMOLD RFB11-FPCTC SERIES OR APPROVED EQUAL) HARDWIRED FURNITURE CONNECTION COORDINATE COVER PLATE WITH ARCHITECT.

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
	TRACK LIGHTING
	TRACK LIGHTING HEAD
	REMOTE 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=M-MOMENTARY; X=OS-OCCUPANCY; X=OS-D-COMBO OCCUPANCY 0-10V DIMMING
	PHOTOCELL
	DAYLIGHT SENSOR
	LOW VOLTAGE SWITCH: REFER TO CONTROLS SCHEDULE FOR BUTTON QUANTITIES
	CEILING MOUNTED OCCUPANCY SENSOR: X=BLANK-DUAL TECHNOLOGY; X=IR-PASSIVE INFRARED; X=US-ULTRASONIC
	POWER PACK
	JUNCTION BOX
	PANELBOARD

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
GF	GROUND FAULT CIRCUIT INTERRUPTER
GEN	GENERATOR
HOA	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
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	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
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSH BUTTON
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
PWR	POWER
RECP	RECEPTACLE
STP	SHIELDED, TWISTED PAIR
TC	TIME CLOCK
TRT	TRIPLE TUBE
TP	TYPICAL
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

