






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


AUDIO / VISUAL SYMBOLS

SYMBOL	DESCRIPTION					
	WALL CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		AN	ASSISTIVE LISTENING ANTENNA	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 90° AFF	(1) 1-1/4" EC TO NEAREST ACCESSIBLE CEILING	2
		AV	HDMI INPUT (PASS-THRU)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1-1/4" EC TO NEAREST ACCESSIBLE CEILING	4
		D1	TYPE 1 - FLAT PANEL DISPLAY JUNCTION BOX WITH POWER, COAX, AND DATA	2-GANG RECESSED AV BACKBOX (HUBBELL #NSAV62M)	(2) 1" EC TO NEAREST ACCESSIBLE CEILING	8
		D2	TYPE 2 - FLAT PANEL DISPLAY JUNCTION BOX WITH POWER, COAX, DATA, AND LOCAL HDMI INPUT FROM WALL OUTLET	2-GANG RECESSED AV BACKBOX (HUBBELL #NSAV62M)	(1) 1 1/4" EC TO NEAREST ACCESSIBLE CEILING	3
		D3	TYPE 3 - FLAT PANEL DISPLAY JUNCTION BOX WITH MULTIPLE CONNECTIONS, REFER TO TECHNOLOGY DETAILS	2-GANG RECESSED AV BACKBOX (HUBBELL #NSAV62M)	(1) 1 1/4" EC TO NEAREST ACCESSIBLE CEILING	3
		MP	IN-ROOM MEDIA PANEL JUNCTION BOX WITH POWER, COAX, DATA, AND IN-ROOM CABLING	MEDIA PANEL WITH SCREW COVER (HUBBELL #NSOBX14BC), 14" X 14 3/8" BOX	(2) 1" EC TO ACCESSIBLE CEILING	134
		S1	TYPE 1 - LOUDSPEAKERS (INNOVOX #SL-2.1-R, #SL-2.1RH, OR #SL-1.1R, AS INDICATED)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 3/4" EC TO NEAREST ACCESSIBLE CEILING	10
		S2	TYPE 2 - SUBWOOFER (INNOVOX #MICRO-SUB-12-P)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 3/4" EC TO NEAREST ACCESSIBLE CEILING	2
		TV	TV BACK BOX WITH COAX AND DATA	4 SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(2) 1" EC TO UNIT MEDIA PANEL	18
	VC	VOLUME CONTROL PANEL (QUAM #QC10W OR #QC100W, AS INDICATED)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX, 48" AFF	(1) 1" EC TO ACCESSIBLE CEILING	11	
	CEILING CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		S	CEILING LOUDSPEAKER (QUAM #SYSTEM-12 [DROP-CEILING], QUAM #SOLUTION-1 [GYP.])	INTEGRAL TO LOUDSPEAKER BACKCAN (PROVIDED BY AV CONTRACTOR)	(1) 3/4" EC BETWEEN DEVICES AND (1) 3/4" EC HOMERUN TO NEAREST ACCESSIBLE CEILING	126



SECURITY SYMBOLS

SYMBOL	DESCRIPTION					
	WALL CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		AM	AIPHONE DESK SITTING MASTER STATION (AIPHONE #IX-MV)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1-1/4" EC TO NEAREST ACCESSIBLE CEILING	3
		AP	AIPHONE DOOR INTERCOM (AIPHONE #IX-DA)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1-1/4" EC TO NEAREST ACCESSIBLE CEILING	3
		DB	DOOR BELL BUTTON	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	1
		DR	EMERGENCY DOOR RELEASE STATION (SDC #492)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 48" AFF	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	3
		R1	PROXIMITY CARD READER (CDVI #SOLARKPB)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 48" AFF	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	26
		R2	WIRELESS CYLINDRICAL LOCK SET (SCHLAGE #NDE SERIES)	N/A	N/A	63
	CEILING CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
	CAMERA CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		[BLANK]	INTERIOR CAMERA (VIVOTEK #FD8196A)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	31
		EXT	EXTERIOR CAMERA (VIVOTEK #FD8369A-V)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	3

TELECOM SYMBOLS

SYMBOL	DESCRIPTION					
	WALL CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		1	1-PORT DATA OUTLET	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO ACCESSIBLE CEILING OR IN-ROOM MEDIA PANEL AS INDICATED	18
		[BLANK]	2-PORT DATA OUTLET	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	5
		OS	POINT OF SALE 2-PORT DATA OUTLET	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	59
		TC	TIME CLOCK 1-DATA OUTLET AT 48" AFF, UNO	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	1
		WP	WALL PHONE OUTLET AT 48" AFF, UNO	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 48" AFF	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	2
				4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 48" AFF	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	14
	CEILING CONNECTOR ASSEMBLY CEILING WAP ASSEMBLY	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
	[BLANK]	WIRELESS ACCESS POINT (ARUBA #AP-305)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	64	
	WALL CONNECTOR ASSEMBLY WALL WAP ASSEMBLY	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
	[BLANK]	WIRELESS ACCESS POINT (ARUBA #AP-365)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	3	

NURSE CALL SYMBOLS

SYMBOL	DESCRIPTION					
	WALL CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT
		NC	NURSE CALL PULL STATION (RCARE #BP-7RW/R)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	N/A	145
		NL	NURSE CALL LOCATOR (RCARE #LT-490-G4)	N/A	N/A	22
		NM	NURSE CALL MASTER STATION (RCARE #CC-980)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	2
		WC	PATIENT MONITORING DOOR EGRESS CONTROLLER (ACCUTECH #662110)	2-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1-1/4" EC TO ACCESSIBLE CEILING	13
		WK	PATIENT MONITORING DOOR EGRESS KEY PAD (ACCUTECH #650209)	1-GANG, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX	(1) 1-1/4" EC TO ACCESSIBLE CEILING	17
		WM	PATIENT MONITORING NURSE STATION, SURFACE MOUNTED (ACCUTECH #692112)	4-SQUARE WITH 1 GANG MUD-RING, FLUSH MOUNTED, 2-1/2" DEEP BACK BOX AT 48" AFF	(1) 1" EC TO NEAREST ACCESSIBLE CEILING	2
	CEILING CONNECTOR ASSEMBLY "XX" INDICATES TYPE	TYPE	DESCRIPTION	INFRASTRUCTURE BOX	INFRASTRUCTURE CONDUIT	COUNT

RESPONSIBILITY MATRIX

SCOPE DESCRIPTION	ELECTRICAL CONTRACTOR	L.V. CONTRACTOR	NOT IN SCOPE
BACK BOXES, CONDUIT, SLOTS, AND SLEEVES FOR ALL LOW-VOLTAGE SYSTEMS	X		
CABLE TERMINATIONS/PUNCHDOWNS AT OUTLETS AND PATCHBAY		X	
WORK AREA OUTLETS / FACEPLATES		X	
TELECOM MAIN GROUNDING BUSBAR AND TBB TO I.T. CLOSETS	X		
TELECOM GROUNDING BUSBAR AND BONDING IN I.T. CLOSETS		X	
AUDIOVISUAL CABLING (HDMI, VGA, ETC.)		X	
AUDIOVISUAL EQUIPMENT (LOUDSPEAKERS, AMPLIFIERS, MICROPHONES, ETC.)		X	
TIME CLOCK CABLING		X	
ELECTRONIC SECURITY CABLING		X	
ACCESS CONTROL		X	
INTRUSION DETECTION (MOTION DETECTOR)			X
SURVEILLANCE		X	
CABLE TRAYS / J-HOOKS		X	
SERVERS		X	X
WIRELESS ACCESS POINTS		X	
PHONES AND COMPUTERS			X
FIREWALL AND NETWORK SWITCHES		X	
NURSE CALL		X	
MASS NOTIFICATION SYSTEM			X
ENTRY INTERCOM		X	

STANDARD MOUNTING HEIGHTS

STANDARD MOUNTING HEIGHTS OF WALL DEVICES, UNLESS NOTED OTHERWISE ON DRAWINGS. ALL HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS NOTED OTHERWISE. ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS INDICATED ON TECHNOLOGY DRAWINGS.	
GENERAL	
DATA OUTLETS	18"
WALL PHONE	48"
DISPLAY OUTLETS	72"
AV INPUT PLATES	18"
SWITCHES AND CONTROLS	48"
INTERCOM STATIONS	48"
FIXED CAMERAS	10'-0"
CARD READERS	48"
RESIDENT UNITS	
DATA OUTLETS	24"
TV OUTLETS	24"

ABBREVIATIONS

AC	ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APFC	ANGLE PHYSICAL CONNECTOR
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWG	AMERICAN WIRE GAUGE
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BFF	BELOW FINISHED FLOOR
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTL
BMS	BUILDING MANAGEMENT (AUTOMATION) SYSTEM
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CAT	CONDUIT
CATV	CATEGORY COMMUNITY ANTENNA TELEVISION (CABLE TELEVISION)
CCTV	CLOSED CIRCUIT TELEVISION
CD	CAMPUS DISTRIBUTOR
CFCI	CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED
CLG	CEILING
COAX	COAXIAL CABLE
DA	DISTRIBUTION AMPLIFIER
dB	DECIBEL
dBmV	DECIBEL REFERENCED TO 1 MILLIVOLT
DSP	DIGITAL SIGNAL PROCESSOR
(E)	EXISTING
EF	ENTRANCE FACILITY
EIA	ELECTRONICS INDUSTRIES ASSOCIATION
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
ER	EQUIPMENT ROOM
ETR	EXISTING TO REMAIN
FCC	FEDERAL COMMUNICATIONS COMMISSION
FD	FLOOR DISTRIBUTOR
FREQ	FREQUENCY
GE	GROUNDING EQUALIZER
GND	GROUND
HC	HORIZONTAL CROSS-CONNECT
HDA	HORIZONTAL DISTRIBUTION AREA
HZ	HERTZ
ICC	INTERMEDIATE CROSS-CONNECT
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IG	ISOLATED GROUND
ISO	INTERNATIONAL STANDARDS ORGANIZATION
ISP	INSIDE CABLE PLANT
I	INFORMATION TECHNOLOGY
LAN	LOCAL AREA NETWORK
LC	LUCENT CONNECTOR
L.V.	LOW VOLTAGE
Mbps	MEGABITS PER SECOND
MC	MAIN CROSS-CONNECT
MDA	MAIN DISTRIBUTION AREA
MHZ	MEGAHERTZ
MM	MICROPHONE
MM	MULTIMODE
MTD	MOUNTED
MTP	MULTI-FIBER TERMINATION PUSH-ON
NEC	NATIONAL ELECTRIC CODE, NFPA 70
NESO	NATIONAL ELECTRIC SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N/O	NORMALLY OPEN
N/C	NORMALLY CLOSED
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED AND OWNER INSTALLED
OH	OVERHEAD
OLTS	OPTICAL LOSS TEST SET
OSHA	OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
OSP	OUTSIDE CABLE PLANT
OTDR	OPTICAL TIME DOMAIN REFLECTOMETER
DU	POWER DISTRIBUTION UNIT
PNL	PANEL
PoE	POWER OVER ETHERNET
PoE+	POWER OVER ETHERNET PLUS
RFI	RADIO FREQUENCY INTERFERENCE
RU	RACK UNIT (1.75')
QTY	QUANTITY
SEF	SERVICE ENTRANCE FACILITY
SM	SINGLE MODE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TEMP	TEMPORARY
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TGMB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TSP	TELECOM SERVICES PROVIDER
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WT	WEIGHT
XC	CROSS-CONNECT



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BETTER BUILT ENVIRONMENTS

GENERAL NOTES

- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- REFER TO ALL ARCHITECTURAL/ELECTRICAL/STRUCTURAL/CIVIL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
- PROVIDE PERMITS AND INSPECTIONS AS REQUIRED.
- SYSTEM SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
- CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.
- ALL SYSTEMS SHALL BE COMPLETE AND FULLY OPERATIONAL.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.
- PROVIDE RECORD DRAWINGS TO ARCHITECT/ENGINEER. DRAWINGS SHALL INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.
- VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMERS PADS, SAW CUTTING AND PATCHING, CONCRETE PAVING, ETC., REQUIRED. BACKFILL TRENCHES TO 90% COMPACTION AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
- THE DATA GIVEN ON THE DRAWING IS AS EXACT AS COULD BE SECURED. THE CONTRACTOR SHALL OBTAIN EXACT LOCATION, MEASUREMENTS, LEVELS, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT THE WORK TO THE ACTUAL CONDITIONS AT THE PROJECT SITE.
- VERIFY EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
- ROUTE ALL WIRE AND CONDUIT CONCEALED. FOR ALL SYSTEMS, UNLESS NOTED OTHERWISE.
- ACCURATE RECORDS OF WORK MODIFICATIONS (AS-BUILTS) SHALL BE KEPT.
- THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL ENGINEERING REQUIREMENTS, THE OWNERS DESIGN CRITERIA, UTILITY COMPANY REQUIREMENTS, APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY AND THE MANUFACTURER'S STRICTEST RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.

GENERAL INFRASTRUCTURE NOTES

- IF THE ENCLOSURE, BOXES AND CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCKOUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCKOUTS TO TERMINATE THE QUANTITY AND SIZE OF THE SPECIFIED CONDUITS.
- MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT.
- EC SHALL INSTALL NYLON PULL STRINGS IN ALL CONDUITS.
- EC SHALL INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED UNLESS SPECIFICALLY IDENTIFIED IN THE DRAWINGS.
- ALL CONDUIT SHALL BE A MINIMUM DIAMETER OF 1" UNLESS NOTED OTHERWISE.
- ALL CONDUIT SHALL BE THIN-WALL EMT UNLESS NOTED OTHERWISE. CONDUIT SIZES AND TERMINATION SHALL BE AS NOTED ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS.
- MAXIMUM OF TWO 90-DEGREE BENDS OR 50 LINEAR FEET BETWEEN PULL BOXES. ADDITIONAL PULL BOXES NOT SHOWN ON DRAWINGS MAY BE REQUIRED. CONDUIT ROUTING IS AT THE ELECTRICAL CONTRACTOR'S DISCRETION.
- MOUNT BOXES ON WALLS AT THE HEIGHTS NOTED ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS. IF ELECTRICAL BOXES ARE AT SIMILAR BUT DIFFERENT HEIGHTS, MOUNT BOXES TO MATCH ELECTRICAL BOX HEIGHTS (18" AFF OR 48" AFF, ETC.). DIMENSIONS SHOWN ON THESE DRAWINGS ARE TO THE CENTER OF BOX UNLESS OTHERWISE NOTED.
- EC SHALL PROVIDE NYLON BUSHINGS ON ALL CONDUIT STUBS AND NON-TERMINATED CONDUIT ENDS.

GENERAL AV INSTALLATION NOTES

- INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, AND INDUSTRY ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE ABOVE CEILINGS.

GENERAL GROUNDING NOTES

- ISOLATE ALL EQUIPMENT FROM CONDUIT AND BUILDING STEEL.
- GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI-TIA-EIA-607 GROUNDING STANDARD AND APPLICABLE NEC REQUIREMENTS.
- ALL RACKS, WALL CABLE TRAYS, SLICE CASES, ETC. IN A TECHNICAL EQUIPMENT SPACE (EITHER RESIDING IN OR ENTERING/EXITING) SHALL BE GROUND TO THEIR RESPECTIVE GROUND SYSTEM USING A #6 AWG (MINIMUM) COPPER BONDING CONDUCTOR.
- ALL GROUND WIRES USED FOR TECHNICAL SYSTEM GROUNDING SHALL BE IDENTIFIED AT THEIR TERMINAL POINTS WITH GREEN (P.E.), LICENSED IN THE STATE WHERE THE WORK IS TO BE PERFORMED. A DRAWING SHOWING THE PROPOSED FIRE STOP SYSTEM, STAMPED/EMBOSSSED BY THE P.E., SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLING THE FIRE STOP SYSTEMS.

GENERAL FIRESTOPPING NOTES

- CONDUIT, CABLES, AND RACEWAYS MAY PASS THROUGH FIRE RATED FLOORS OR WALLS. EC TO PROVIDE THROUGH PENETRATION FIRE STOPS TO RESTORE THE FLOOR/WALL TO THE ORIGINAL FIRE RATED INTEGRITY. THESE FIRESTOP SYSTEMS SHALL BE WATERPROOF.
- FIRE STOP SYSTEMS SHALL BE CLASSIFIED TO ASTM E814 (UL1479) AND SHALL BE APPROVED BY A QUALIFIED PROFESSIONAL ENGINEER (P.E.), LICENSED IN THE STATE WHERE THE WORK IS TO BE PERFORMED. A DRAWING SHOWING THE PROPOSED FIRE STOP SYSTEM, STAMPED/EMBOSSSED BY THE P.E., SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLING THE FIRE STOP SYSTEMS.
- THE FIRE STOP SYSTEM SHALL COMPLY WITH THE NEC AND NFPA 101- LIFE SAFETY CODE AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE LOCAL INSPECTION AUTHORITIES (AUTHORITY HAVING JURISDICTION) PRIOR TO CABLE SYSTEM ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS HAVING CABLING PENETRATIONS. COORDINATE SEALANT INSTALLATION WITH WORLD OF OTHER TRADES. REFER TO GENERAL ELECTRICAL SPECIFICATION SECTIONS FOR FURTHER MATERIAL AND INSTALLATION REQUIREMENTS. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.

TECHNOLOGY LEGEND

ISSUE DATE:

07/17/19

REVISIONS:

NO.	DESCRIPTION	DATE
2	CITY COMMENTS	07/17/19

PROJECT NO.:1811

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ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SEAL

STARK WILSON DUNCAN ARCHITECTS INC
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GENERAL NOTES

1. UNDERGROUND CONDUIT PATHWAY PROVIDED BY ELECTRICAL CONTRACTOR. STUB CONDUITS INTO ROOM 1" TO 3" AFF AND INSTALL BUSHINGS.

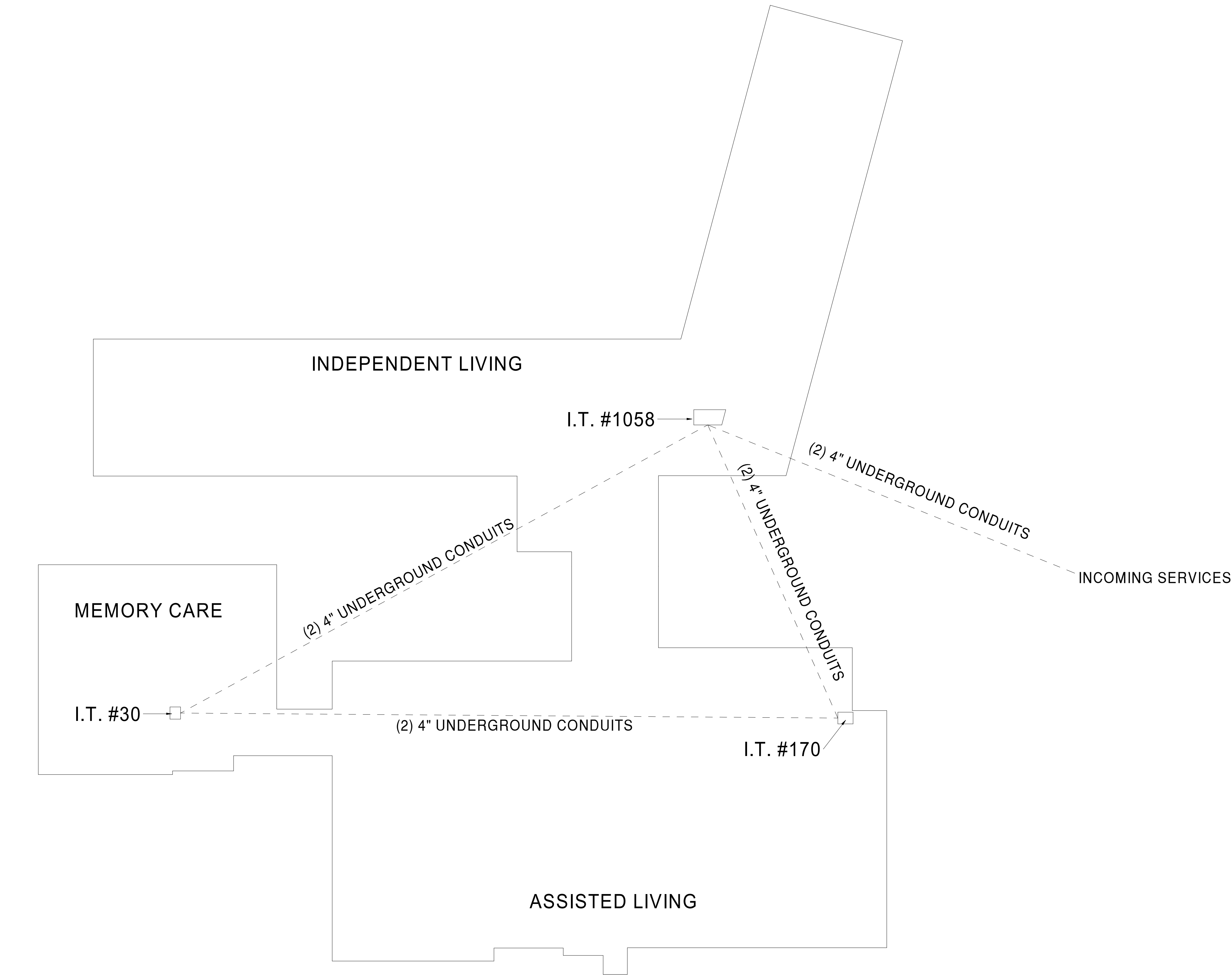


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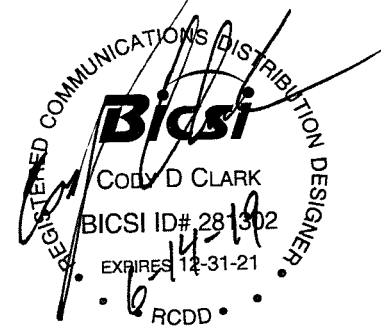
LEE'S SUMMIT SENIOR COMMUNITY
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STARK WILSON DUNCAN ARCHITECTS INC
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1 TECHNOLOGY SITE PLAN
SCALE: 1" = 30'-0"

SEAL



TECHNOLOGY
OVERALL PLAN

ISSUE DATE:

6/14/2019

REVISIONS:

NO.	DESCRIPTION	DATE
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LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

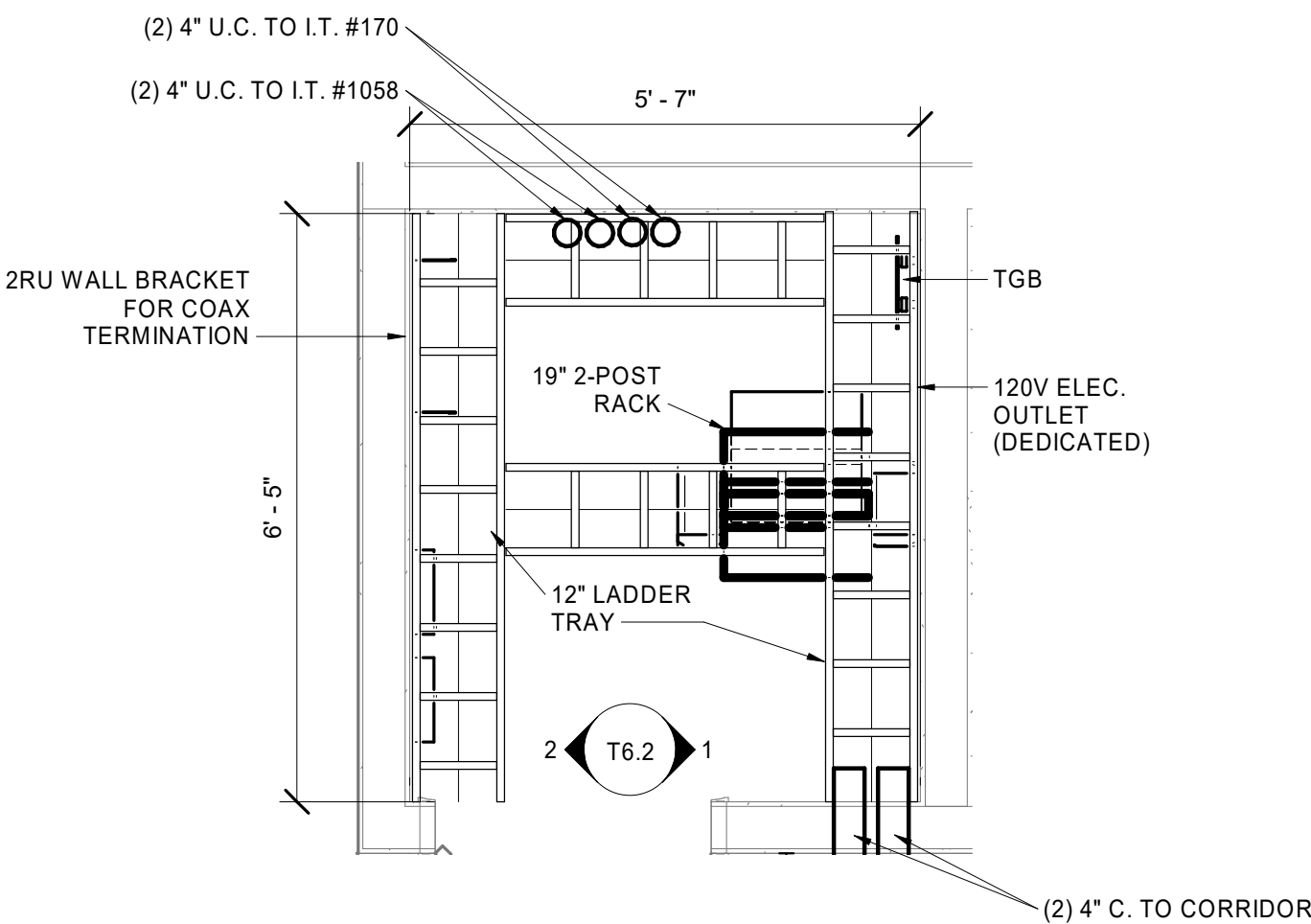
GENERAL NOTES

1. ALL SCHEDULE QUANTITIES SHOWN ARE FOR COORDINATION AND DESIGN PURPOSES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE APPROPRIATE PARTS AND QUANTITIES NECESSARY FOR FULLY FUNCTIONAL SYSTEMS.
2. ALL LOCATIONS AND DIMENSIONS SHOWN ARE INTENDED FOR COORDINATION. COORDINATE FINAL INSTALLATION LOCATIONS ON-SITE.
3. THE CONTRACTOR SHALL PROVIDE ALL PUSH-TO-EXITS, MOTION SENSORS, STRIKES, AND MAG-LOCKS AS NEEDED. COORDINATE WITH DIVISION 08 AND DOOR HARDWARE PROVIDER.
4. EC SHALL PROVIDE THE TMGB IN THE MAIN I.T. CLOSET IN "IL" AND THE BONDING CONDUCTORS TO EACH I.T. CLOSET. LV CONTRACTOR WILL PROVIDE TGB AND MAKE TERMINATIONS.

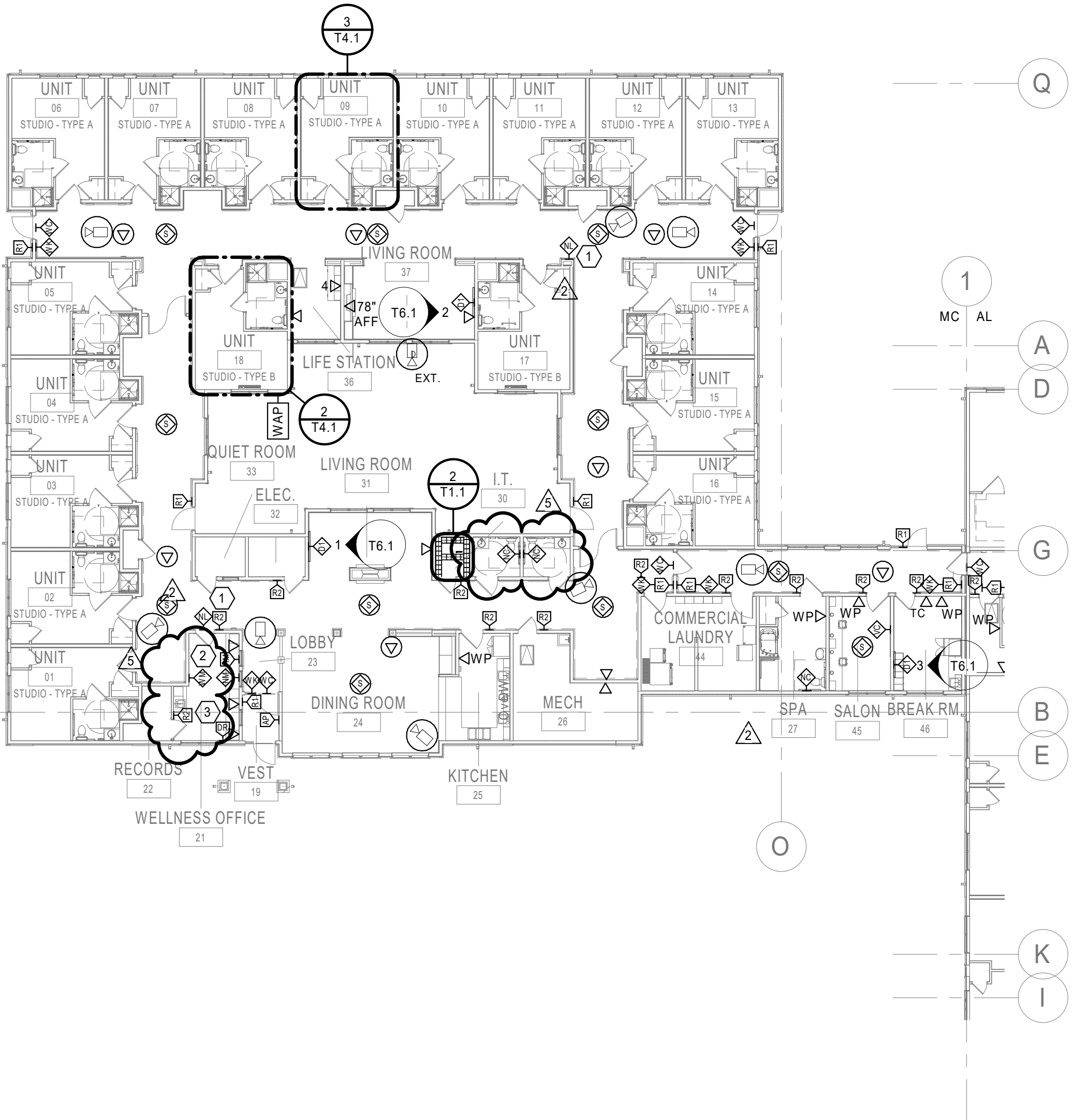
KEY NOTES (THIS SHEET)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL OUTLET FOR RCARE LOCATOR (RECEIVER) DEVICE. REFERENCE DETAIL 4 ON SHEET T5.3.
2. ALPHONE AND NURSE CALL MASTER STATIONS SHALL BE DESK MOUNTED. INSTALL OUTLET AT 18" AFF AND CONNECT USING A PATCH CORD.
3. WANDER GUARD NURSE STATION SHALL BE SURFACE MOUNTED TO A FLUSH BACK BOX AT 48" AFF.

MC I.T. ROOM #30				
SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	Count
30	1-PORT DATA OUTLET	18	0	18
30	2-PORT DATA OUTLET	18	0	9
30	4-PORT DATA OUTLET	4	0	1
30	CARD READER - TYPE 1	0	0	8
30	DISPLAY BACKBOX - TYPE 1	3	3	3
30	EXTERIOR CAMERA	1	0	1
30	EXTERIOR WAP	1	0	1
30	INTERIOR CAMERA	8	0	8
30	INTERIOR SPEAKER	0	0	11
30	TV - COAX	18	18	18
30	WALL PHONE	4	0	4
30	WIRELESS AP	7	0	7
Grand total: 89		82	21	



2 I.T. #30 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1 FIRST FLOOR - MEMORY CARE
SCALE: 1/16" = 1'-0"

SEAL

TECHNOLOGY
FLOOR PLAN - FIRST
FLOOR - MC

ISSUE DATE:

07/17/19

REVISIONS:

NO.	DESCRIPTION	DATE
2	CITY COMMENTS	07/17/19
3	CITY COMMENTS 2	08/10/19

100% CONSTRUCTION
DOCUMENTS

PROJECT NO.:1811

T1.1

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INC

GENERAL NOTES

1. ALL ASSISTED LIVING AND INDEPENDENT LIVING RESIDENT UNIT DOORS SHALL HAVE WIRELESS SCHLAGE LOCKSETS (#FE410F). COORDINATE FINISH WITH OWNER.
2. ALL SCHEDULE QUANTITIES SHOWN ARE FOR COORDINATION AND DESIGN PURPOSES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE APPROPRIATE PARTS AND QUANTITIES NECESSARY FOR FULLY FUNCTIONAL SYSTEMS.
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5. EC SHALL PROVIDE THE TMGB IN THE MAIN I.T. CLOSET IN "IL" AND THE BONDING CONDUCTORS TO EACH I.T. CLOSET. L.V. CONTRACTOR WILL PROVIDE TGB AND MAKE TERMINATIONS.

KEY NOTES (THIS SHEET)

1. (3) 2" C. SLEEVES THROUGH FIREWALL PROVIDED BY EC.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL OUTLET FOR RCARE LOCATOR (RECEIVER) DEVICE. REFER TO DETAIL 4 ON SHEET T5.3.
3. AIPHONE AND NURSE CALL MASTER STATIONS SHALL BE DESK MOUNTED. INSTALL OUTLET AT 18" AFF AND CONNECT USING A PATCH CORD.
4. WANDER GUARD NURSE STATION SHALL BE SURFACE MOUNTED TO A FLUSH BACK BOX AT 48" AFF.

SEAL

TECHNOLOGY FLOOR PLAN - FIRST FLOOR - AL

ISSUE DATE:

07/17/19

REVISIONS:

NO.	DESCRIPTION	DATE
2	CITY COMMENTS	07/17/19
3	CITY COMMENTS 2	08/10/19

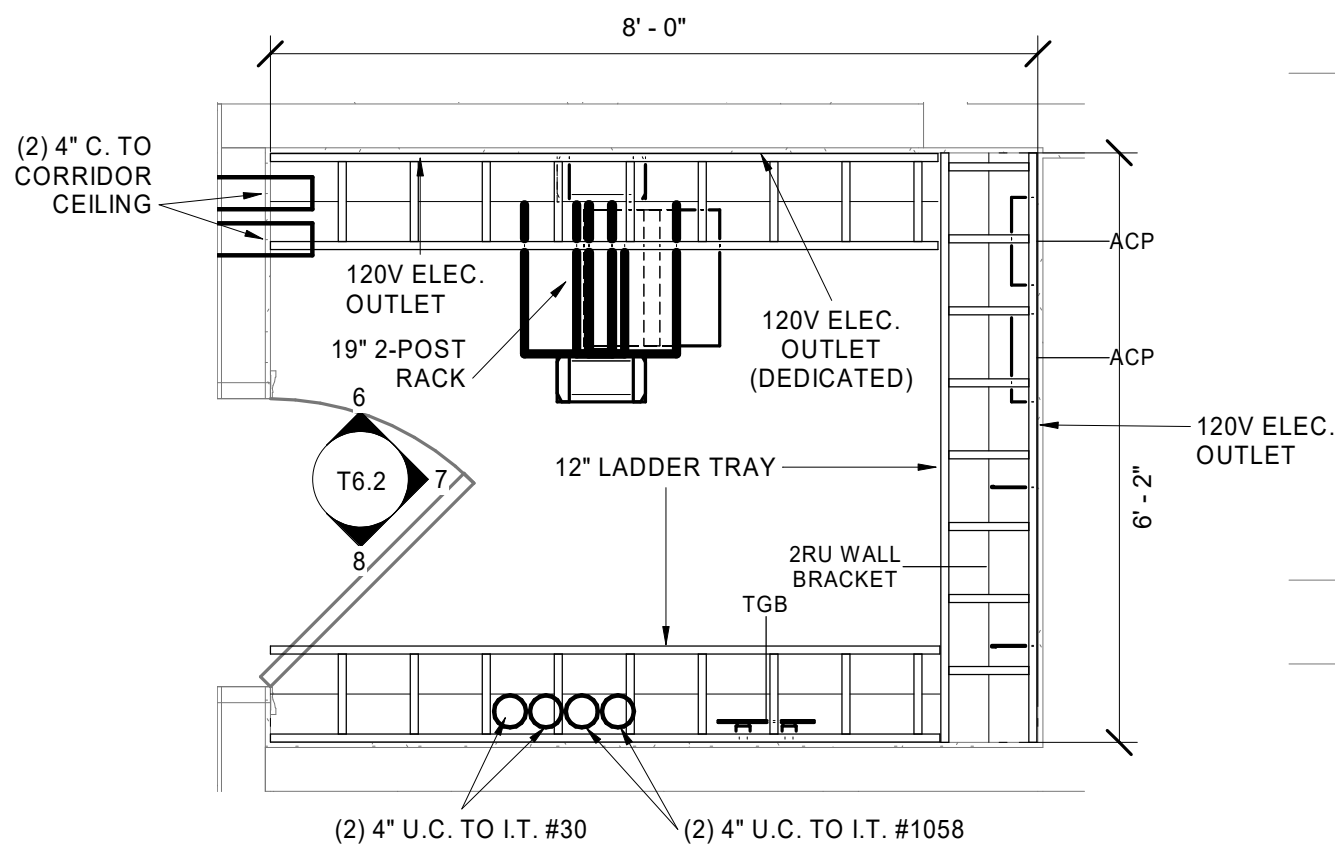
100% CONSTRUCTION
DOCUMENTS

PROJECT NO.:1811

T2.1

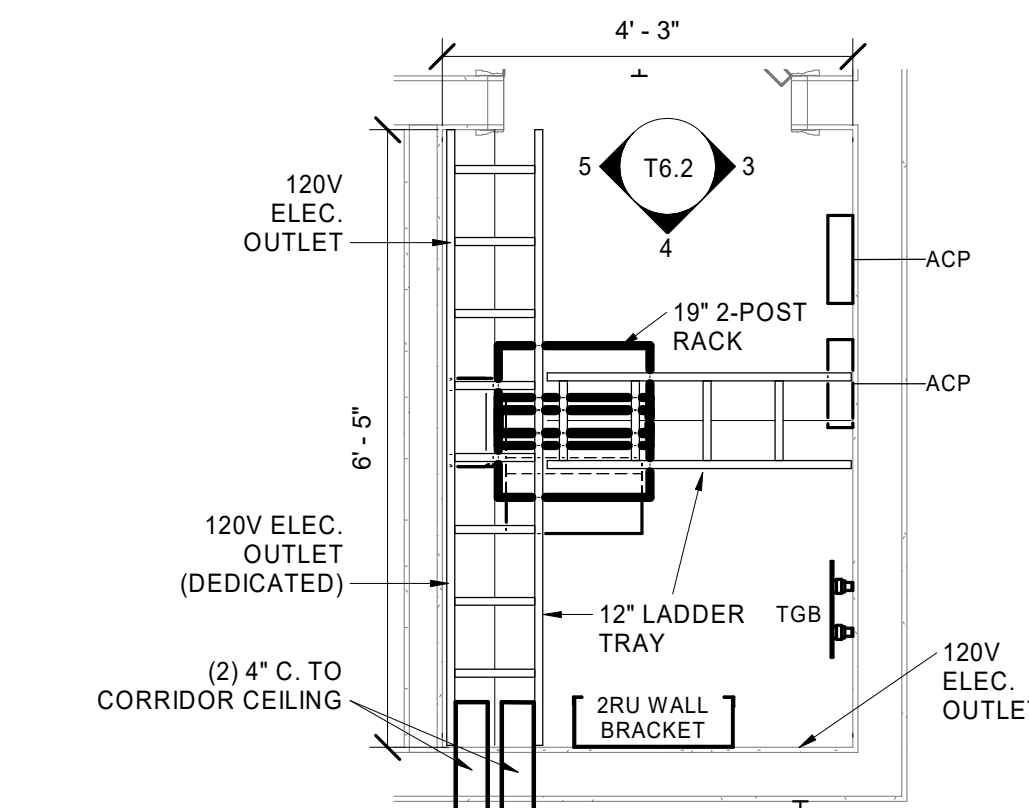
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SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
170	2-PORT DATA OUTLET	12	0	6
170	CARD READER - TYPE 1	0	0	6
170	EXTERIOR CAMERA	1	0	1
170	IN-ROOM MEDIA PANEL	22	22	22
170	INTERIOR CAMERA	4	0	4
170	INTERIOR SPEAKER	0	0	33
170	WIRELESS AP	6	0	6
Grand total: 78		45	22	

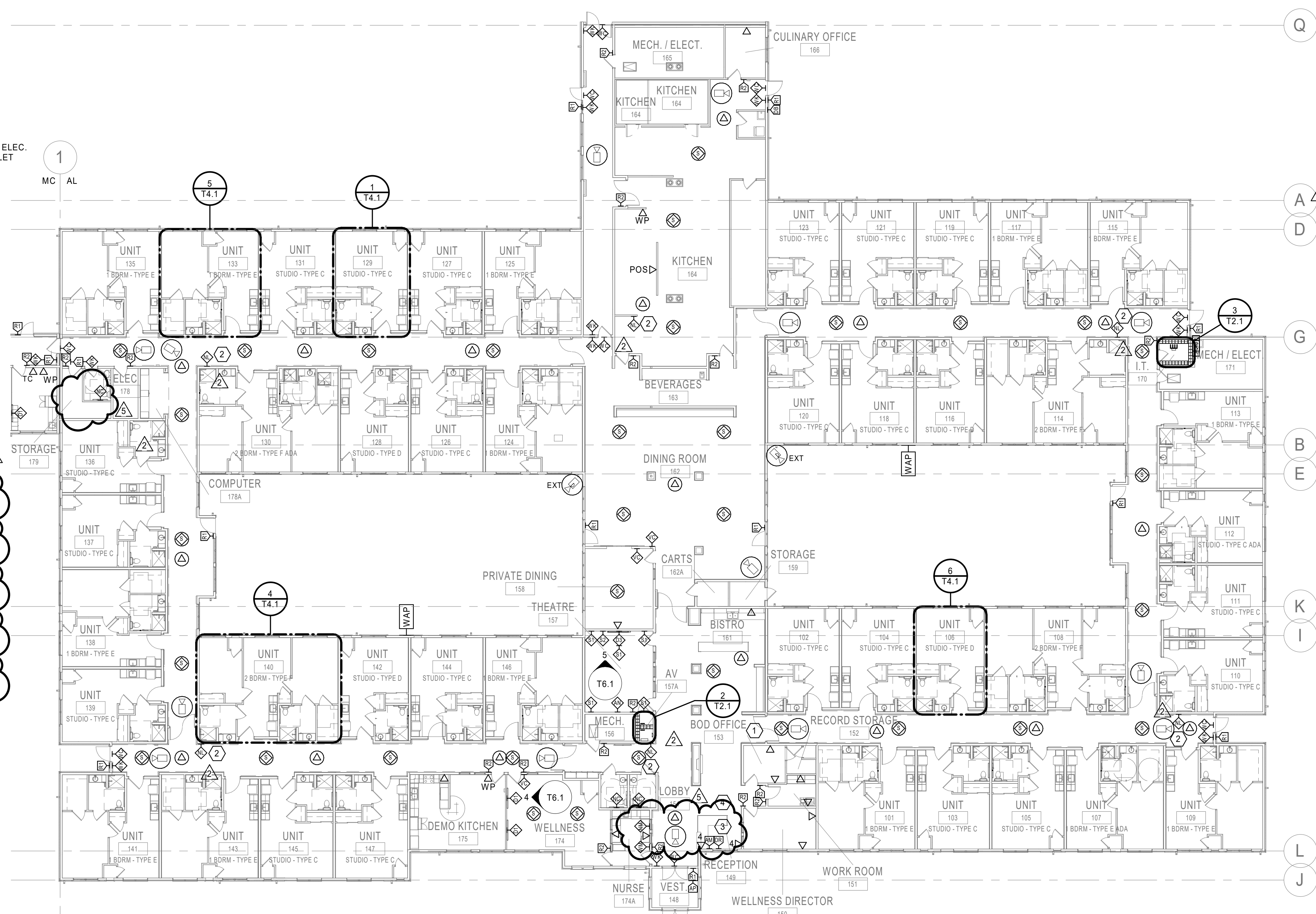


3 I.T. #170 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

SERVED BY CLOSET	Description	# OF DATA PORTS	# OF COAX PORTS	Count
157A	2-PORT DATA OUTLET	12	0	6
157A	4-PORT DATA OUTLET	8	0	2
157A	CARD READER - TYPE 1	0	0	5
157A	DISPLAY BACKBOX - TYPE 1	2	2	2
157A	DISPLAY BACKBOX - TYPE 3	1	0	1
157A	EXTERIOR CAMERA	1	0	1
157A	IN-ROOM MEDIA PANEL	22	22	22
157A	INTERIOR CAMERA	10	0	10
157A	POINT OF SALE	2	0	1
157A	WALL PHONE	2	0	2
157A	WIRELESS AP	12	0	12
Grand total: 64		72	24	



2 AV #157A - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1 FIRST FLOOR - ASSISTED LIVING
SCALE: 1/16" = 1'-0"

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GENERAL NOTES

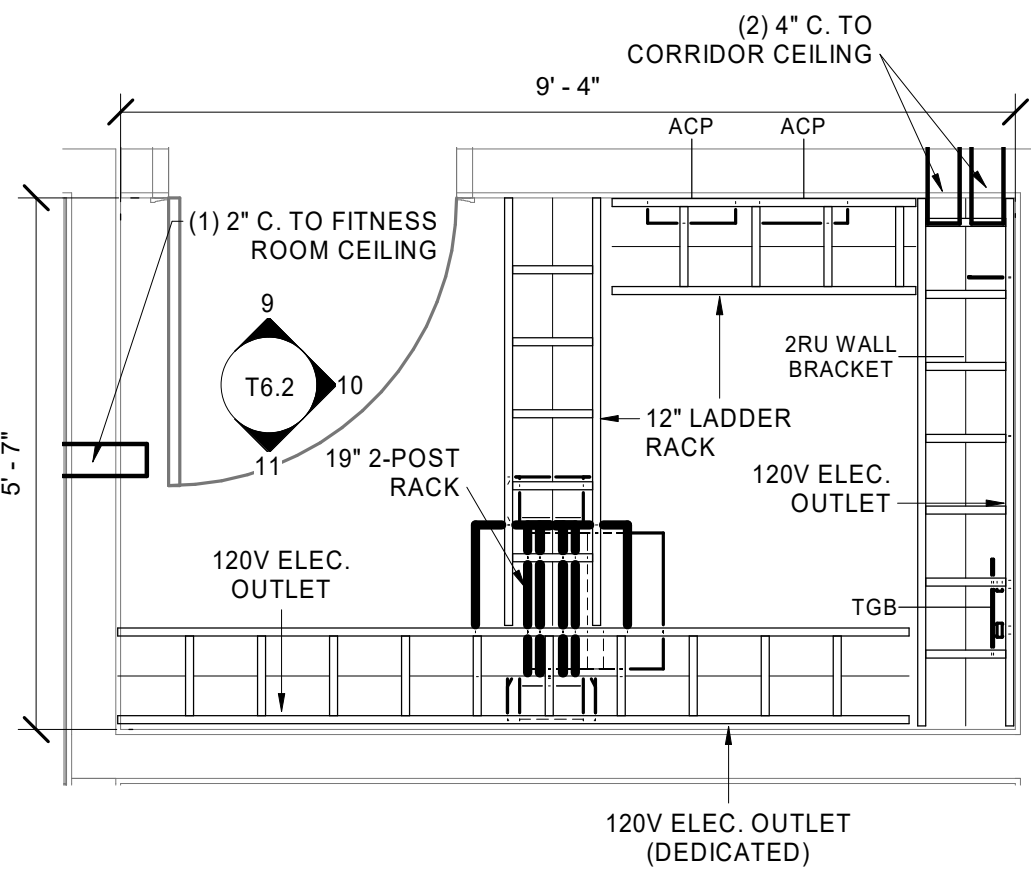
1. ALL ASSISTED LIVING AND INDEPENDENT LIVING RESIDENT UNIT DOORS SHALL HAVE WIRELESS SCHLAGE LOCKSETS (#FE410F). COORDINATE FINISH WITH OWNER.
2. ALL SCHEDULE QUANTITIES SHOWN ARE FOR COORDINATION AND DESIGN PURPOSES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE APPROPRIATE PARTS AND QUANTITIES NECESSARY FOR FULLY FUNCTIONAL SYSTEMS.
3. ALL LOCATIONS AND DIMENSIONS SHOWN ARE INTENDED FOR COORDINATION. COORDINATE FINAL INSTALLATION LOCATIONS ON-SITE.
4. THE CONTRACTOR SHALL PROVIDE ALL PUSH-TO-EXITS, MOTION SENSORS, STRIKES, AND MAG-LOCKS AS NEEDED. COORDINATE WITH DIVISION 08 AND DOOR HARDWARE PROVIDER.
5. EC SHALL PROVIDE THE TMGB IN THE MAIN I.T. CLOSET IN "IL" AND THE BONDING CONDUCTORS TO EACH I.T. CLOSET. L.V. CONTRACTOR WILL PROVIDE TGB AND MAKE TERMINATIONS.

KEY NOTES (THIS SHEET)

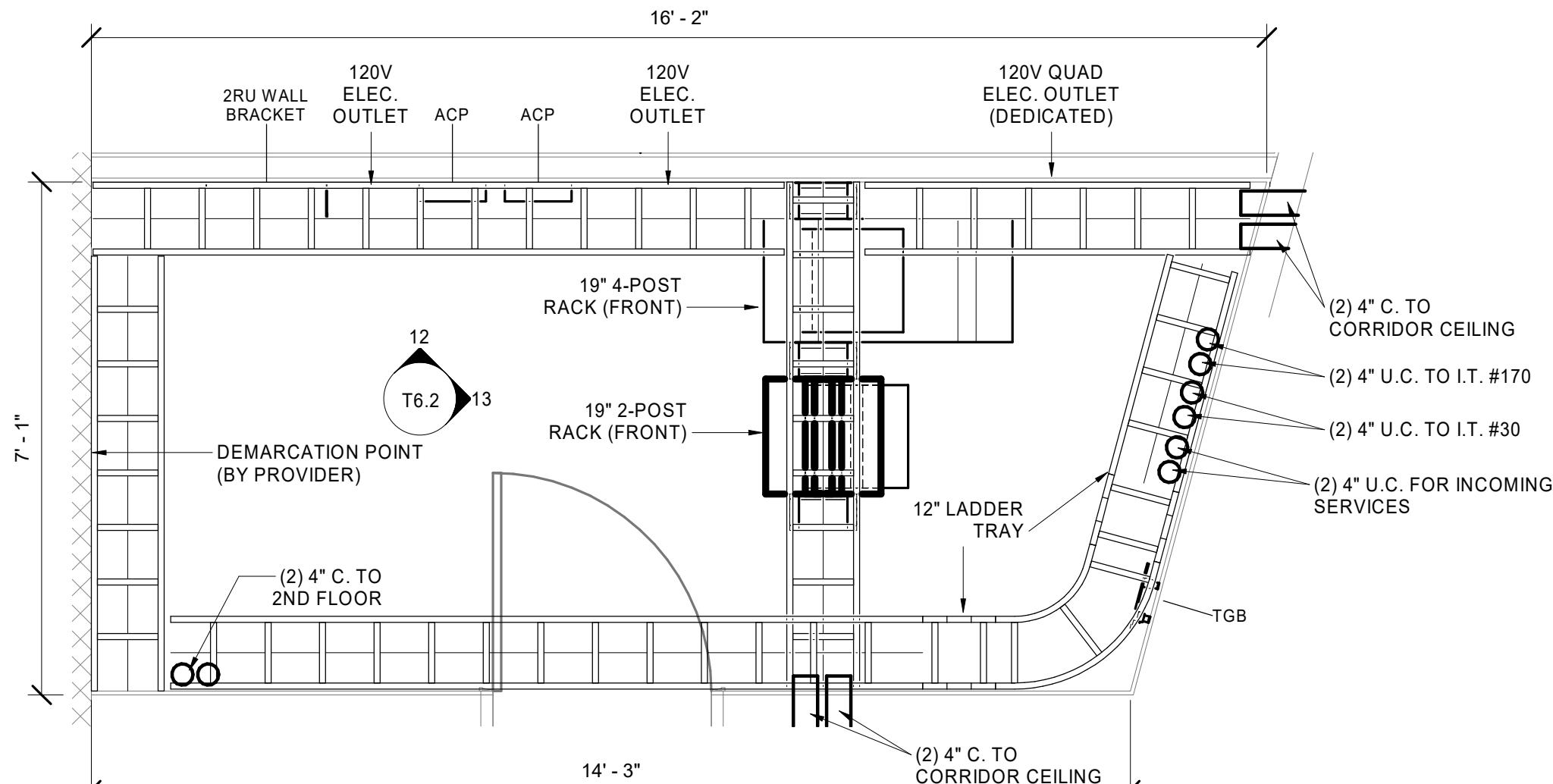
1. SPEAKERS SHALL BE RATED FOR WET ENVIRONMENTS.
2. BUILDING ENTRANCE FACILITY AND DEMARCATION POINT.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL OUTLET FOR RCARE LOCATOR (RECEIVER) DEVICE. REFER TO DETAIL 4 ON SHEET 5.3.
4. AIPHONE MASTER STATION SHALL BE DESK MOUNTED. INSTALL OUTLET AT 18" AFF AND CONNECT USING A PATCH CORD.
5. 3" WALL MOUNT RACK 18" DEEP. EC TO PROVIDE POWER OUTLET BEHIND RACK AT 48" AFF. PROVIDE (1) 2" AND (1) 1" CONDUIT TO NEAREST ACCESSIBLE CEILING.

IL I.T. ROOM #1038				
SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
1038	2-PORT DATA OUTLET	22	0	11
1038	4-PORT DATA OUTLET	8	0	2
1038	CARD READER - TYPE 1	0	0	3
1038	DISPLAY BACKBOX - TYPE 1	2	2	2
1038	IN-ROOM MEDIA PANEL	13	13	13
1038	INTERIOR CAMERA	4	0	4
1038	WIRELESS AP	8	0	8
Grand total: 43		57	15	

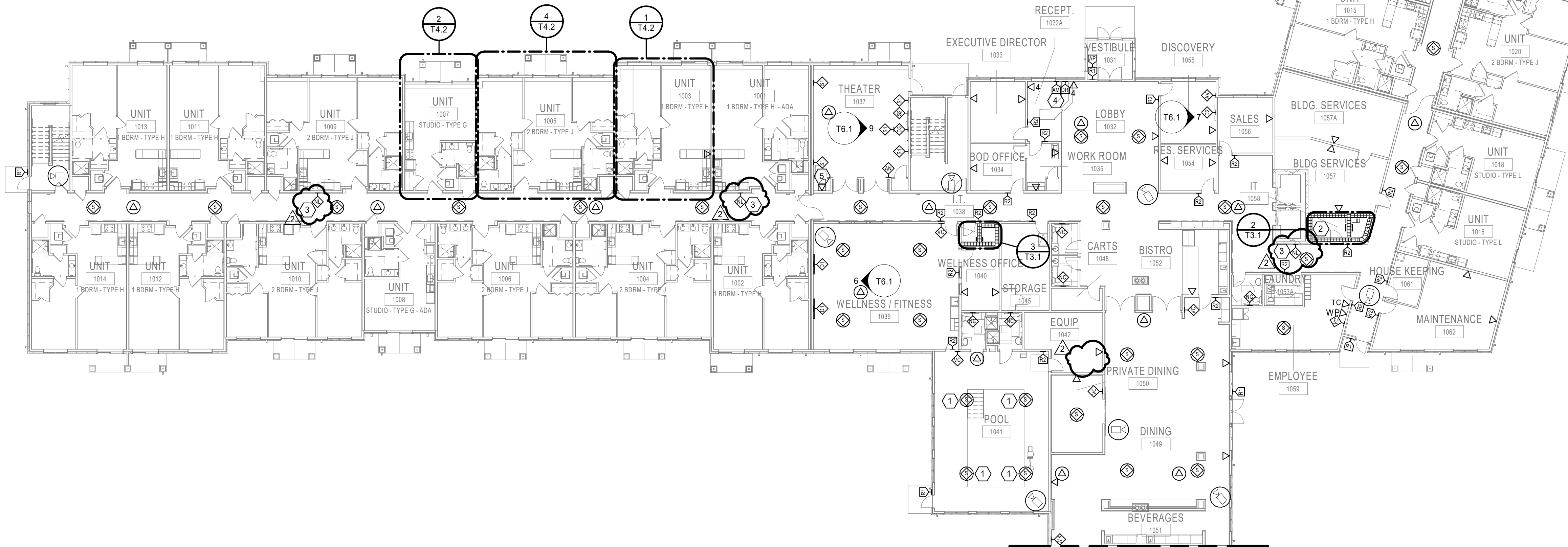
IL I.T. ROOM #1058				
SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
1058	2-PORT DATA OUTLET	24	0	12
1058	CARD READER - TYPE 1	0	0	3
1058	IN-ROOM MEDIA PANEL	14	14	14
1058	INTERIOR CAMERA	4	0	4
1058	INTERIOR SPEAKER	0	0	34
1058	WALL PHONE	1	0	1
1058	WIRELESS AP	8	0	8
Grand total: 76		51	14	



3 I.T. #1038 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



2 I.T. #1058 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



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GENERAL NOTES

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KEY NOTES (THIS SHEET)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL OUTLET FOR RCARE LOCATOR (RECEIVER) DEVICE. REFER TO DETAIL 4 ON SHEET 5.3.

SEAL

TECHNOLOGY
FLOOR PLAN -
SECOND FLOOR - IL

ISSUE DATE:

07/17/19

REVISIONS:

NO.	DESCRIPTION	DATE
2	CITY COMMENTS	07/17/19

100% CONSTRUCTION
DOCUMENTS

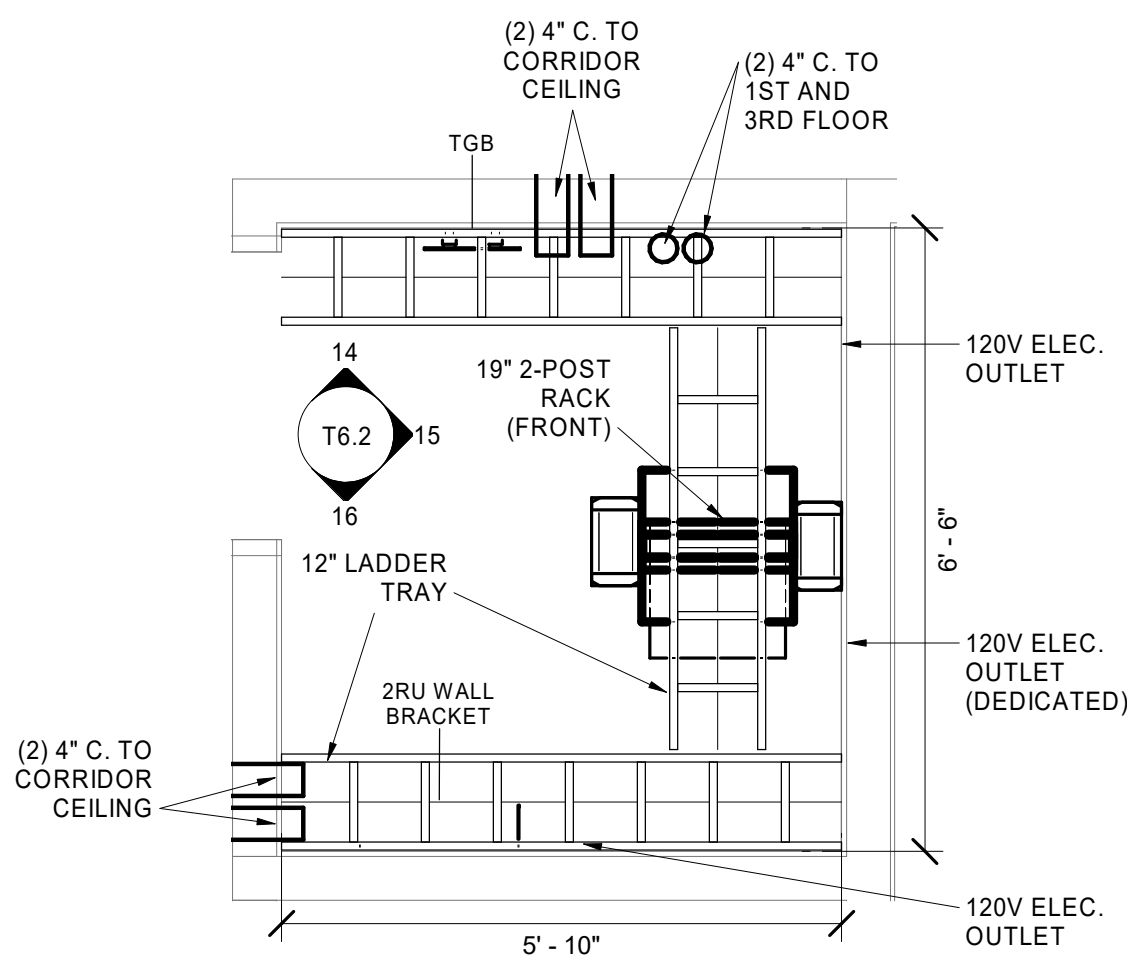
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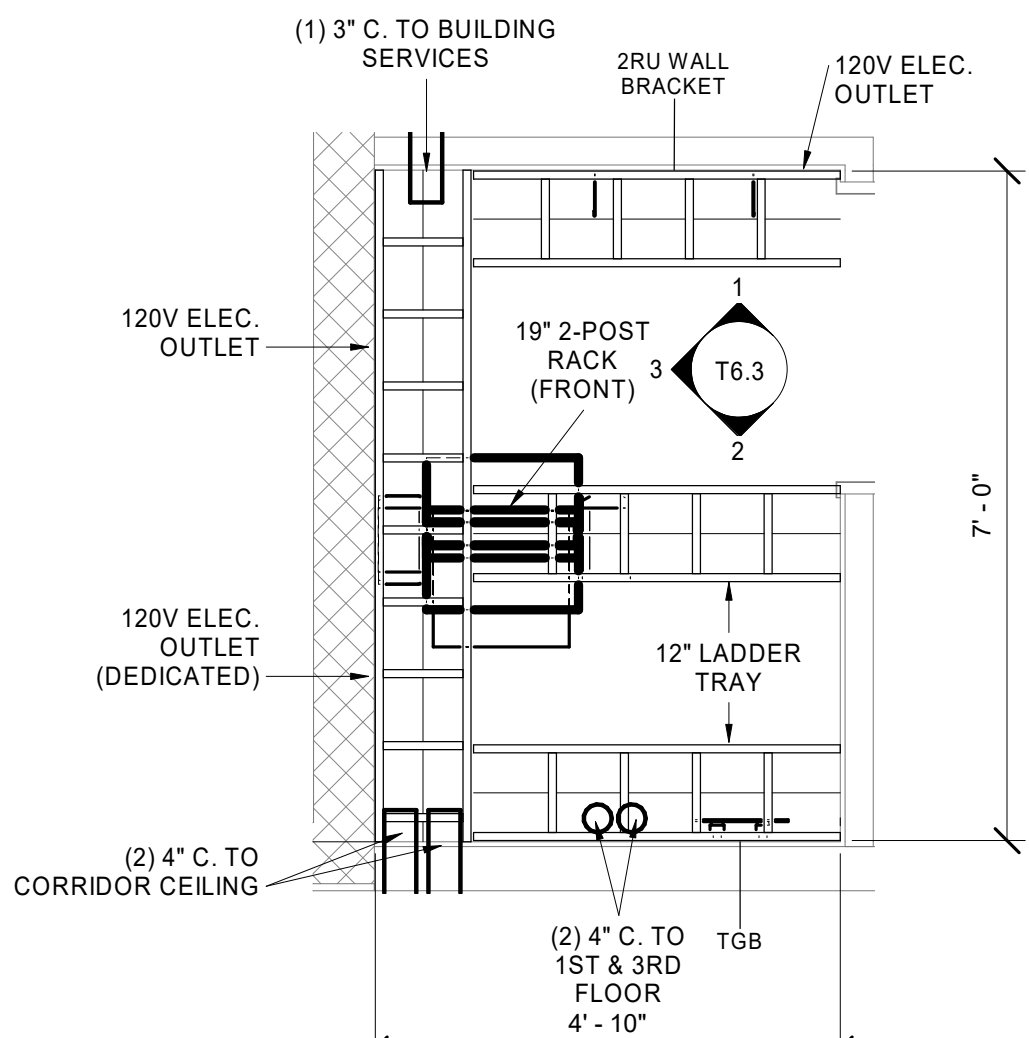
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INC

SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
2041	2-PORT DATA OUTLET	4	0	2
2041	IN-ROOM MEDIA PANEL	16	16	16
2041	WIRELESS AP	5	0	5
Grand total: 23		25	16	

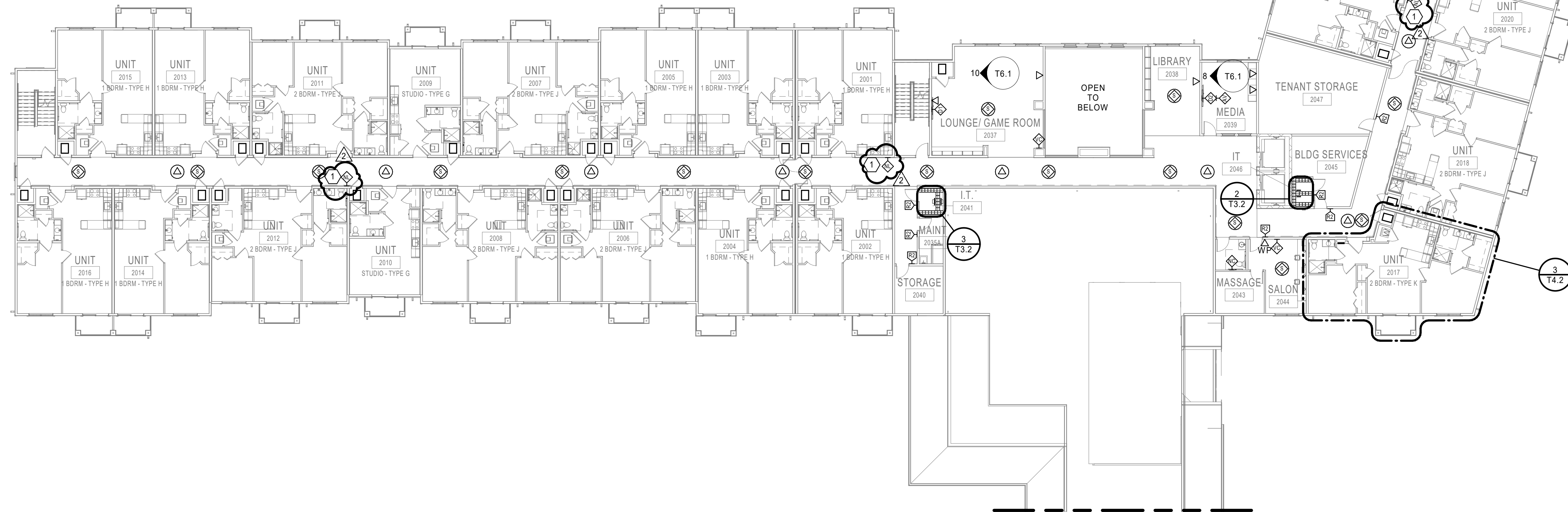
SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
2046	2-PORT DATA OUTLET	4	0	2
2046	IN-ROOM MEDIA PANEL	16	16	16
2046	WALL PHONE	1	0	1
2046	WIRELESS AP	6	0	6
Grand total: 25		27	16	



3 I.T. #2041 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



2 I.T. #2046 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1 SECOND FLOOR - INDEPENDENT LIVING
SCALE: 1/16" = 1'-0"

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GENERAL NOTES

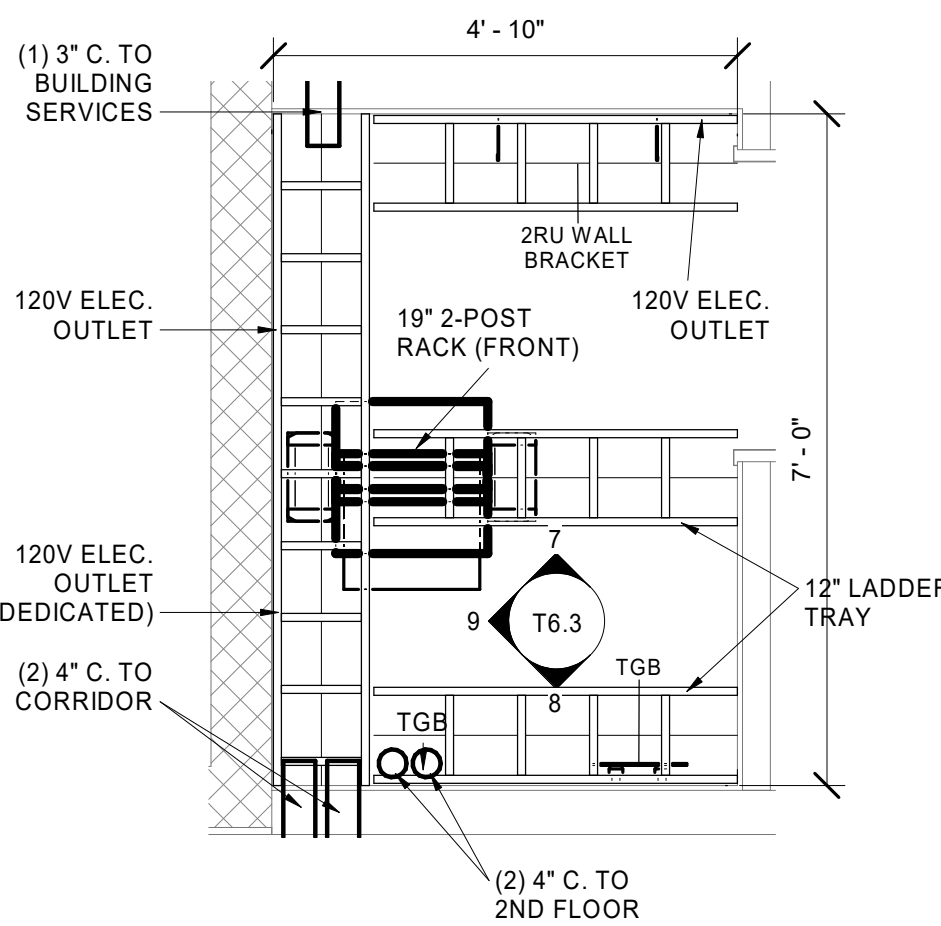
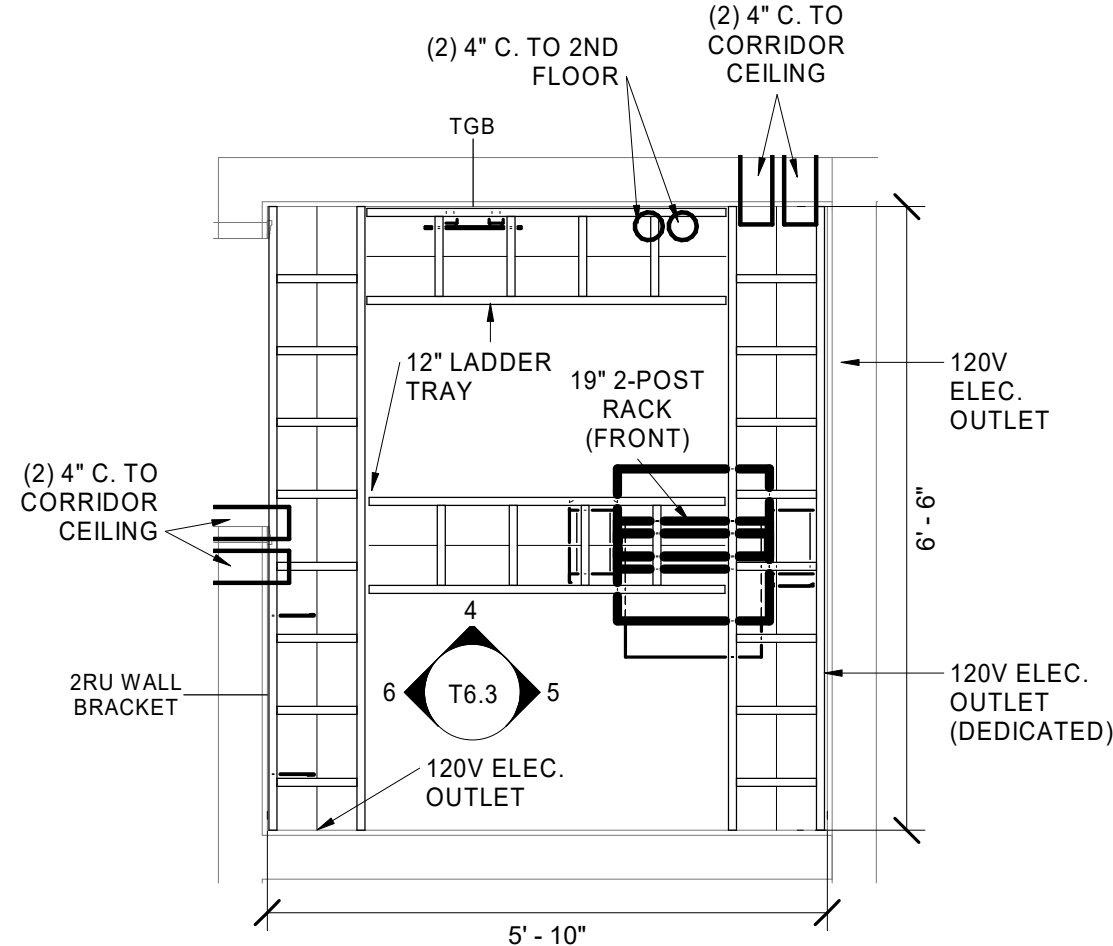
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KEY NOTES (THIS SHEET)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL OUTLET FOR RCARE LOCATOR (RECEIVER) DEVICE. REFER TO DETAIL 4 ON SHEET 5.3.
2. 3" WALL MOUNT RACK 18" DEEP. EC TO PROVIDE POWER OUTLET BEHIND RACK AT 48" AFF. PROVIDE (1) 2" AND (1) 1" CONDUIT TO NEAREST ACCESSIBLE CEILING.

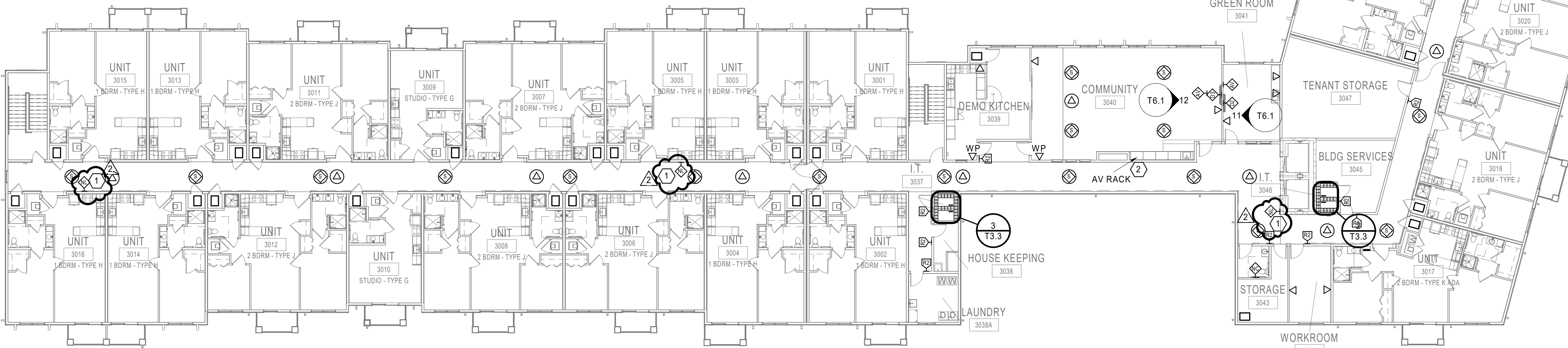
SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
3037	2-PORT DATA OUTLET	4	0	2
3037	IN-ROOM MEDIA PANEL	16	16	16
3037	WALL PHONE	2	0	2
3037	WIRELESS AP	5	0	5
Grand total: 25		27	16	

SERVED BY CLOSET	DESCRIPTION OF DEVICE	# OF DATA PORTS	# OF COAX PORTS	COUNT
3046	2-PORT DATA OUTLET	12	0	6
3046	DISPLAY BACKBOX - TYPE 3	1	0	1
3046	IN-ROOM MEDIA PANEL	15	15	15
3046	WIRELESS AP	7	0	7
Grand total: 29		35	15	



3 I.T. #3037 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"

2 I.T. #3046 - ENLARGED PLAN
SCALE: 1/2" = 1'-0"



1 THIRD FLOOR - INDEPENDENT LIVING
SCALE: 1/16" = 1'-0"

SEAL

TECHNOLOGY
FLOOR PLAN -
THIRD FLOOR - IL

ISSUE DATE:

07/17/19

REVISIONS:

NO.	DESCRIPTION	DATE
2	CITY COMMENTS	07/17/19

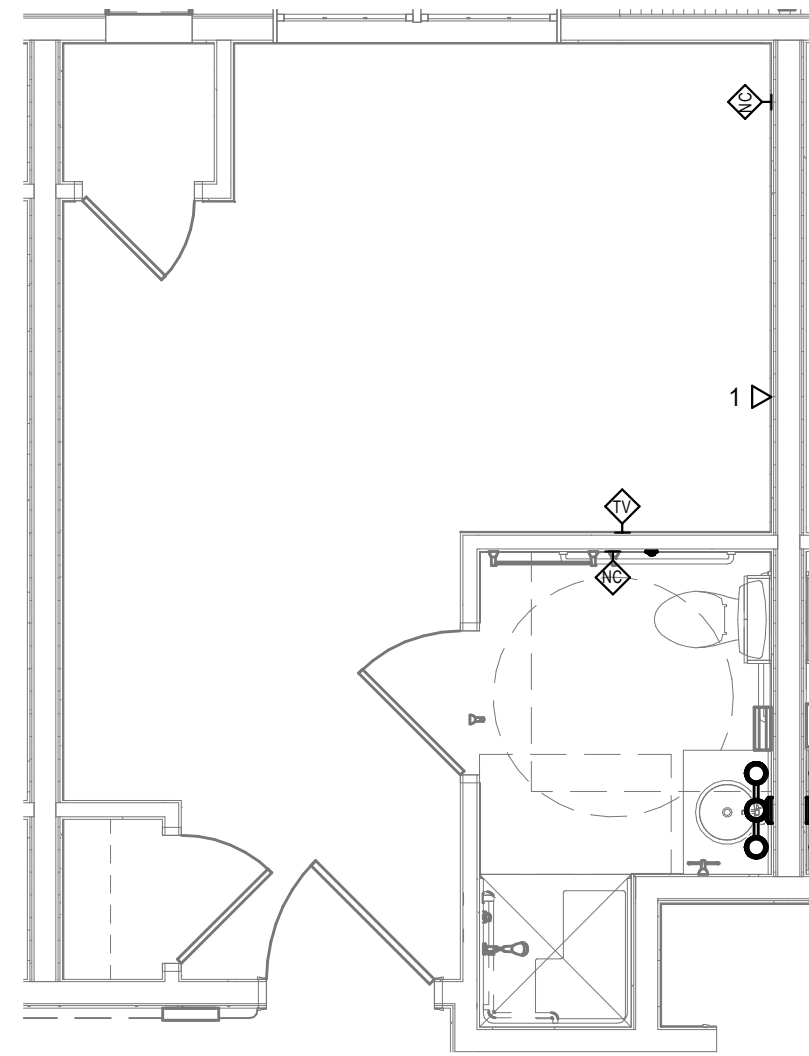
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DOCUMENTS

PROJECT NO.:1811

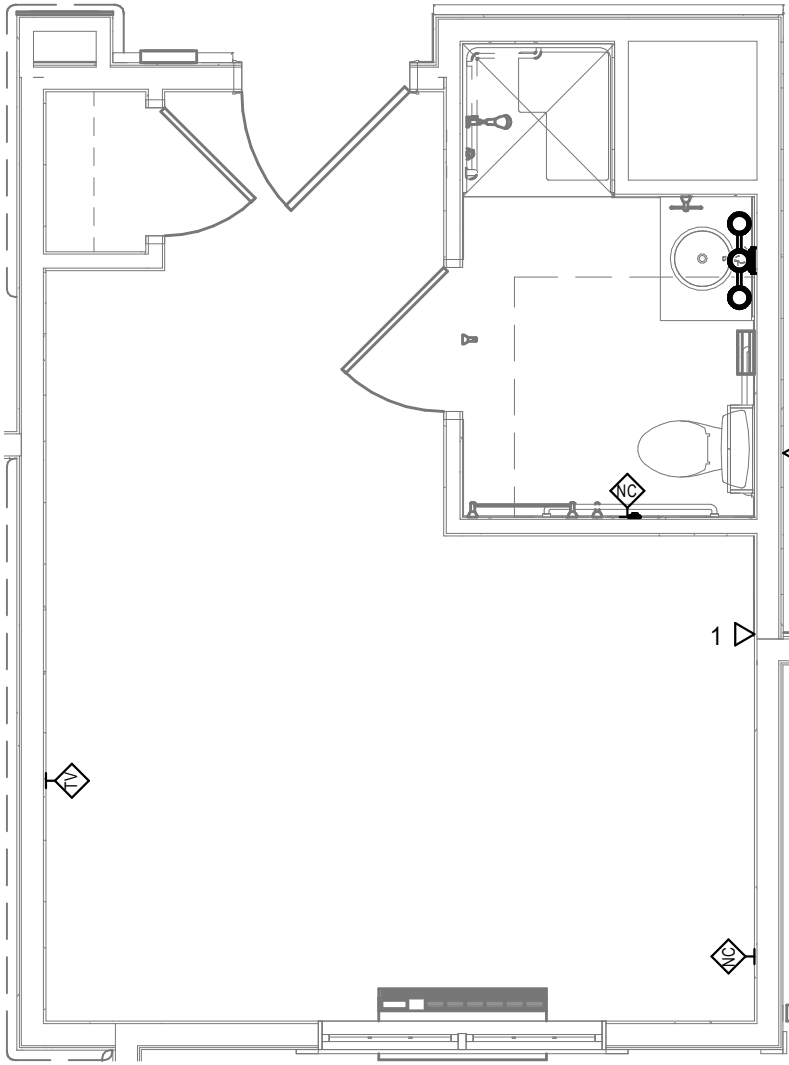
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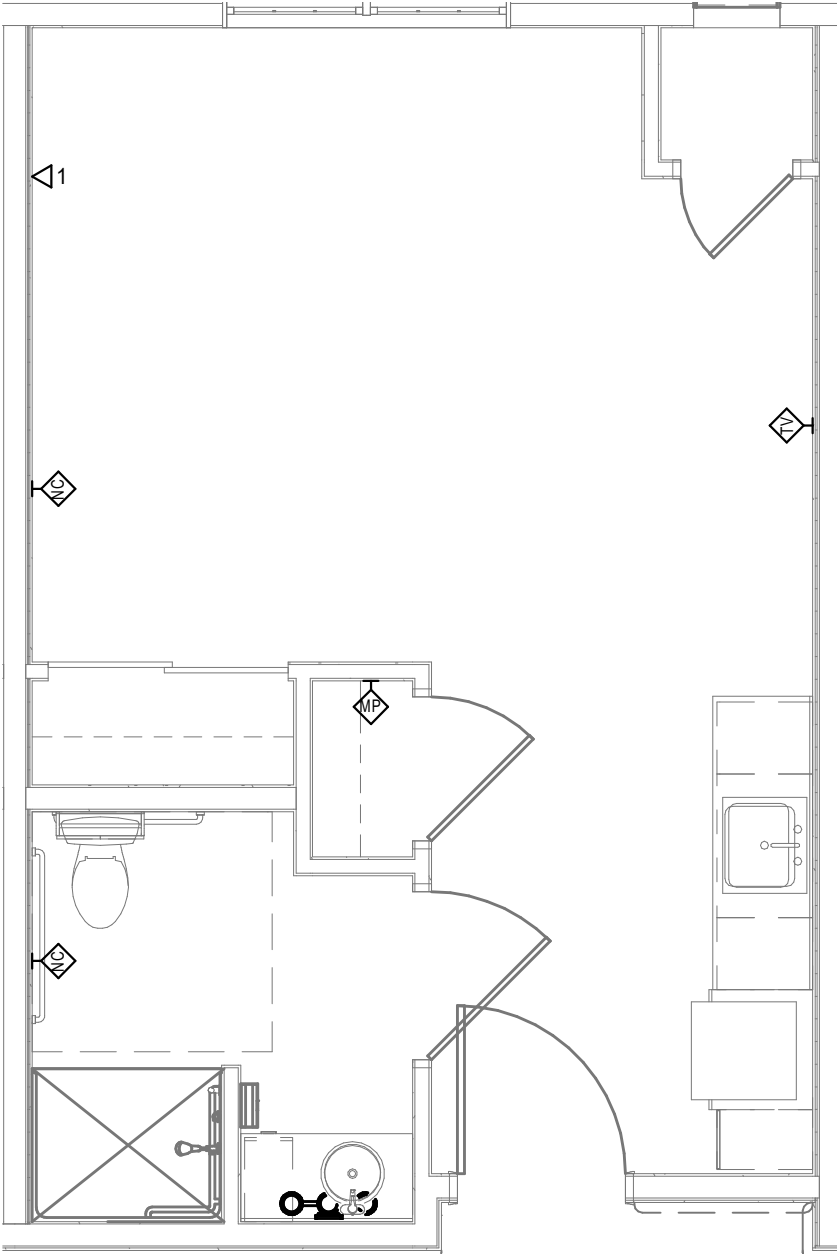
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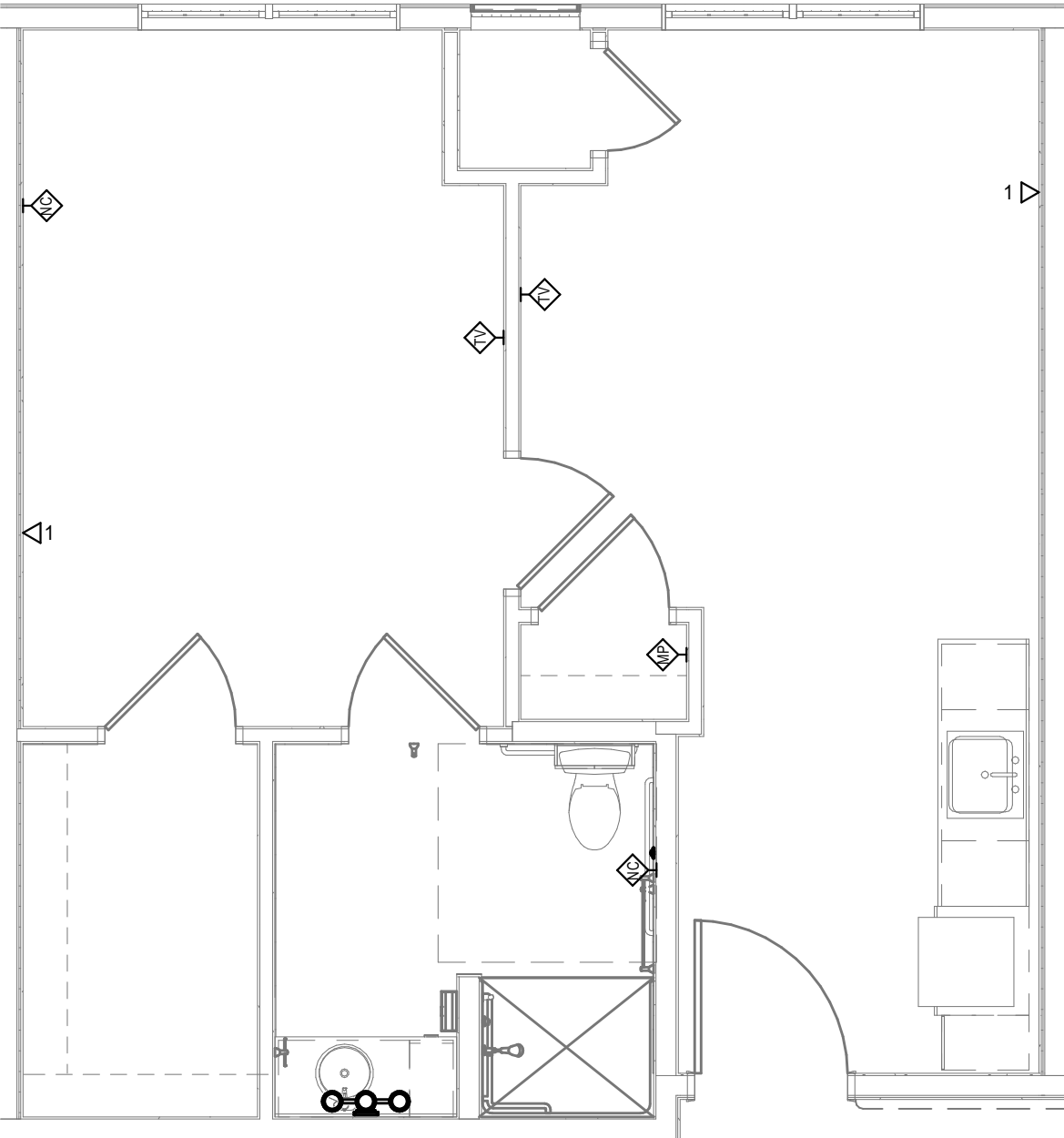
3 **MEMORY CARE - UNIT TYPE A**
SCALE: 1/4" = 1'-0"



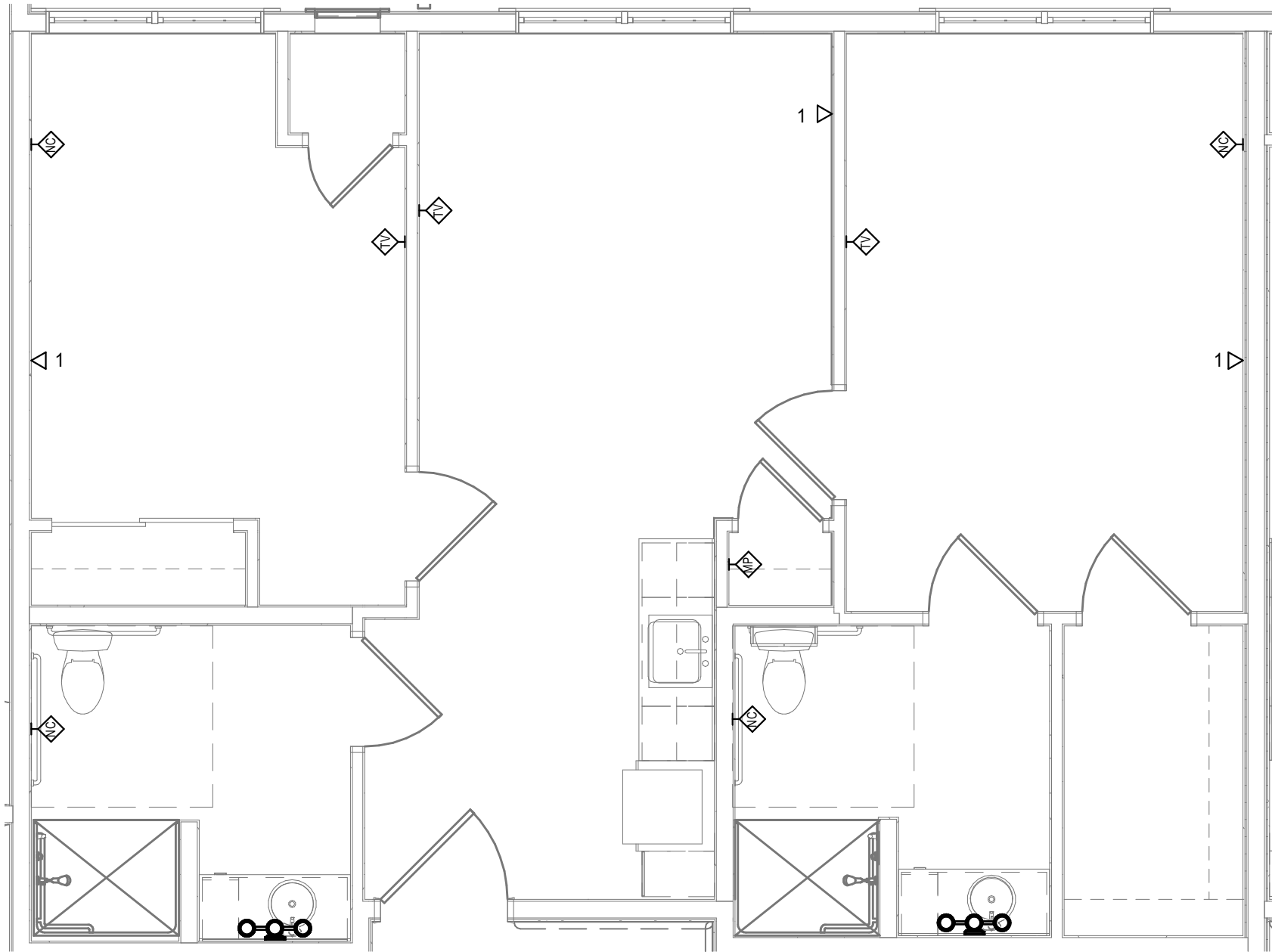
2 **MEMORY CARE - UNIT TYPE B**
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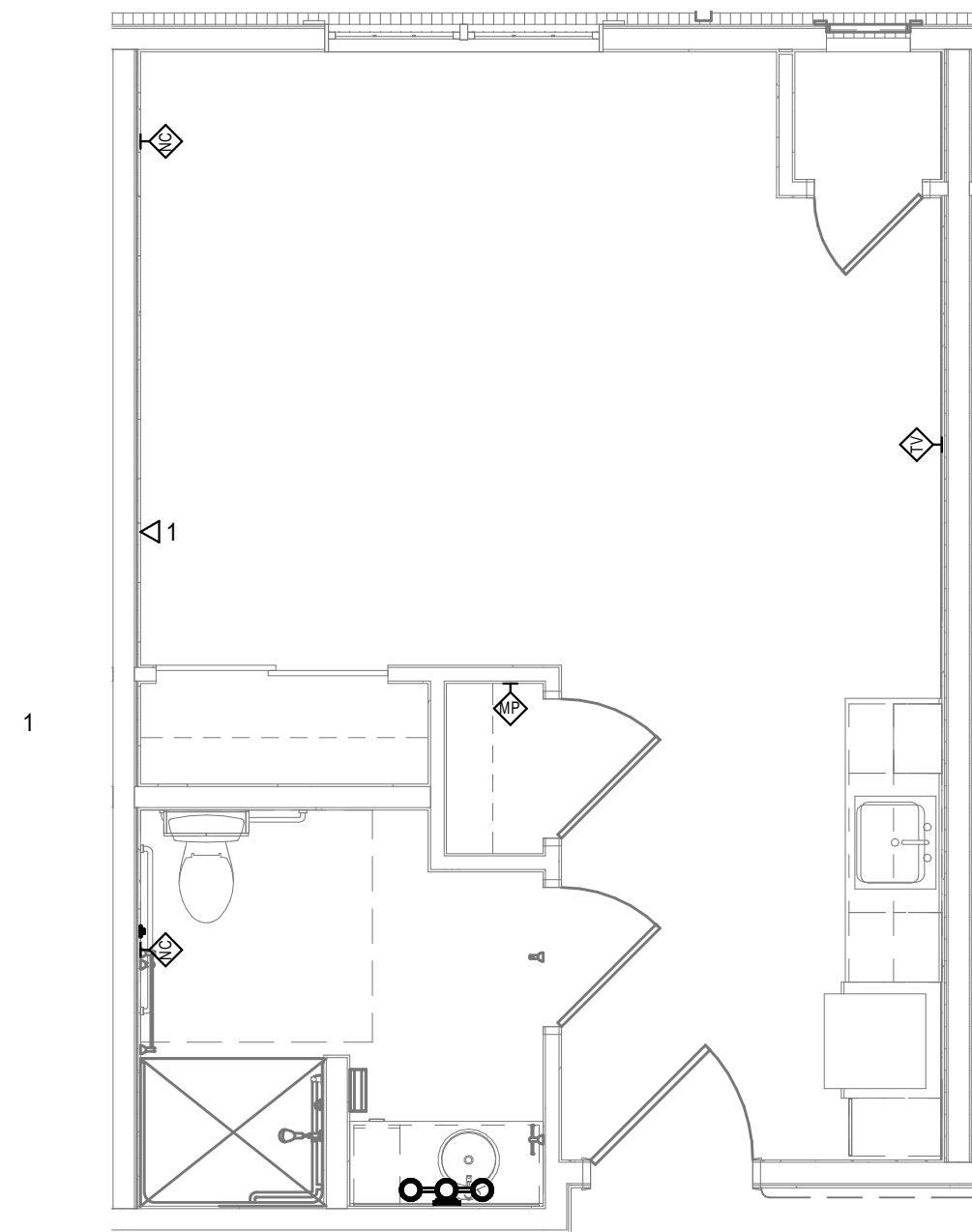
6 **ASSISTED LIVING - UNIT TYPE D**
SCALE: 1/4" = 1'-0"



5 **ASSISTED LIVING - UNIT TYPE E**
SCALE: 1/4" = 1'-0"



4 **ASSISTED LIVING - UNIT TYPE F**
SCALE: 1/4" = 1'-0"



1 **ASSISTED LIVING - UNIT TYPE C**
SCALE: 1/4" = 1'-0"



BranchPattern
7400 College Boulevard Ste. 150
Overland Park, KS 66210
Phone/Fax: 816-531-2121
www.branchpattern.com
JOB #: 1071.001
BETTER BUILT ENVIRONMENTS

GENERAL NOTES

1. IN THE "AL" AND "IL" RESIDENT UNITS ALL L.V. CABLING WILL ROUTE TO THE IN-ROOM MEDIA PANEL. A DATA AND COAX FEED WILL BE INSTALLED TO EACH PANEL FROM THE NEAREST I.T. CLOSET. REFER TO DETAILS FOR PANEL LAYOUT.
2. IN THE "MC" ALL IN-ROOM L.V. CABLING WILL ROUTE DIRECTLY TO I.T. #30.
3. NURSE PULL STATIONS SHALL BE INSTALLED IN COMPLIANCE WITH APPLICABLE CODES AND ADA REQUIREMENTS. COORDINATE BED PULL STATIONS WITH UNIT FURNITURE PLANS.

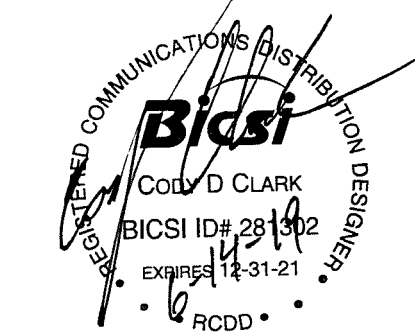


ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL



**AL & MC -
ENLARGED UNIT
PLAN**

ISSUE DATE:

6/14/2019

REVISIONS:

NO.	DESCRIPTION	DATE
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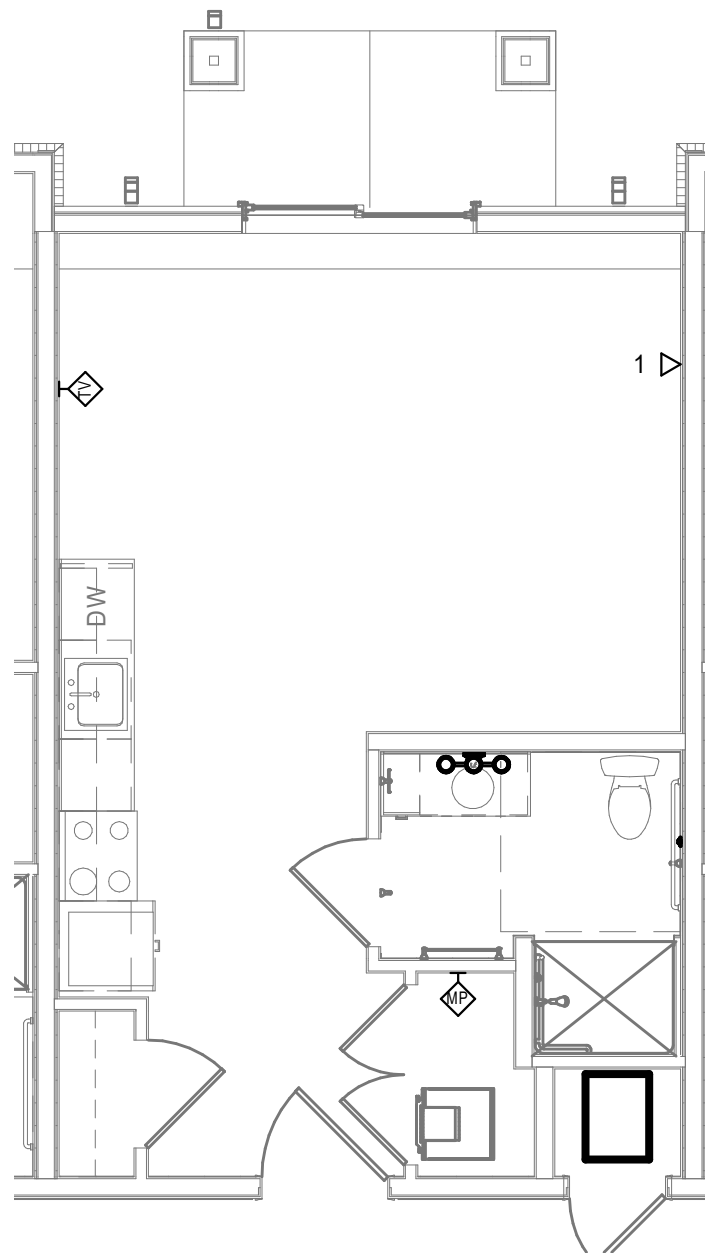
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DOCUMENTS

PROJECT NO.:1811

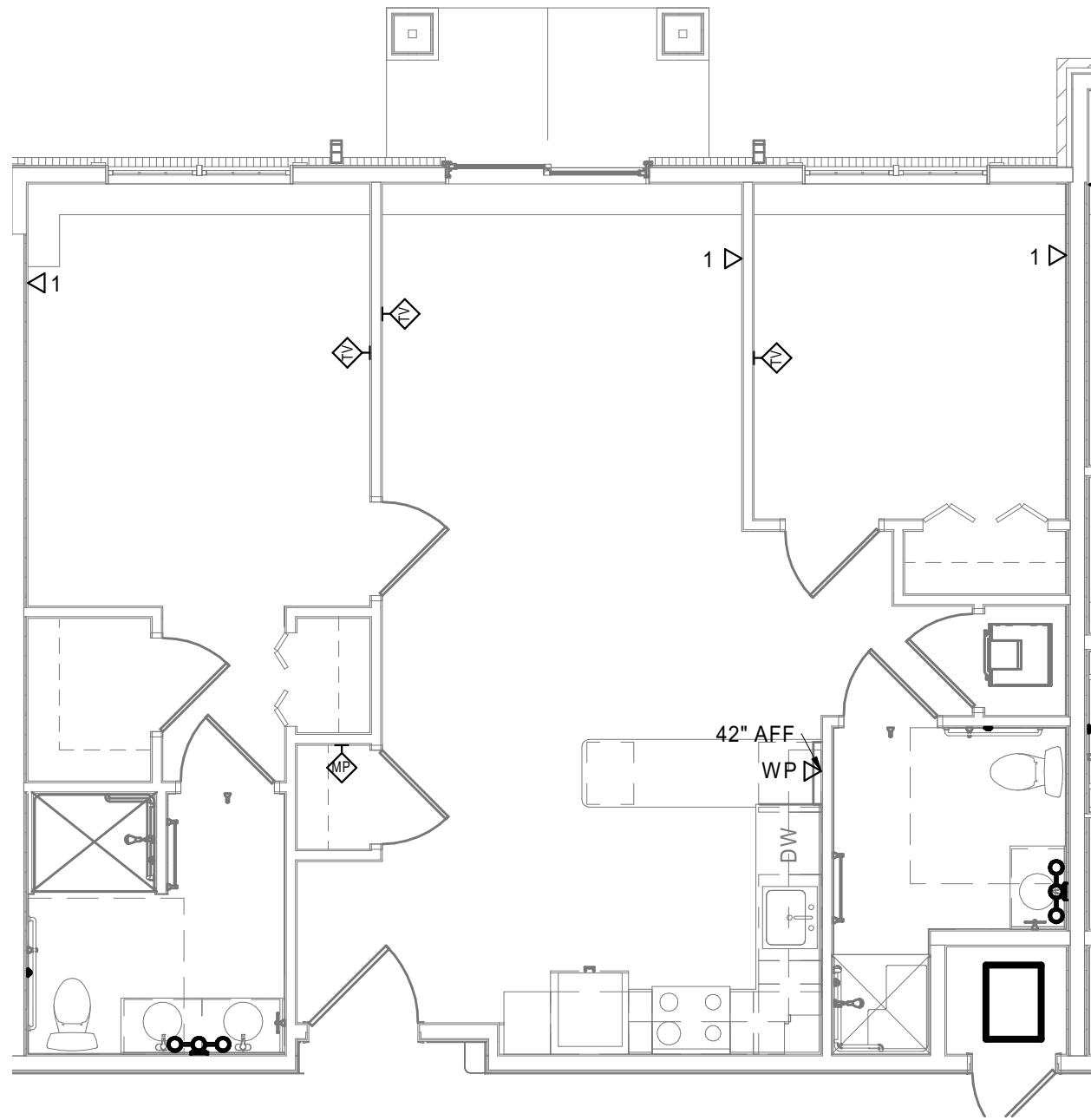
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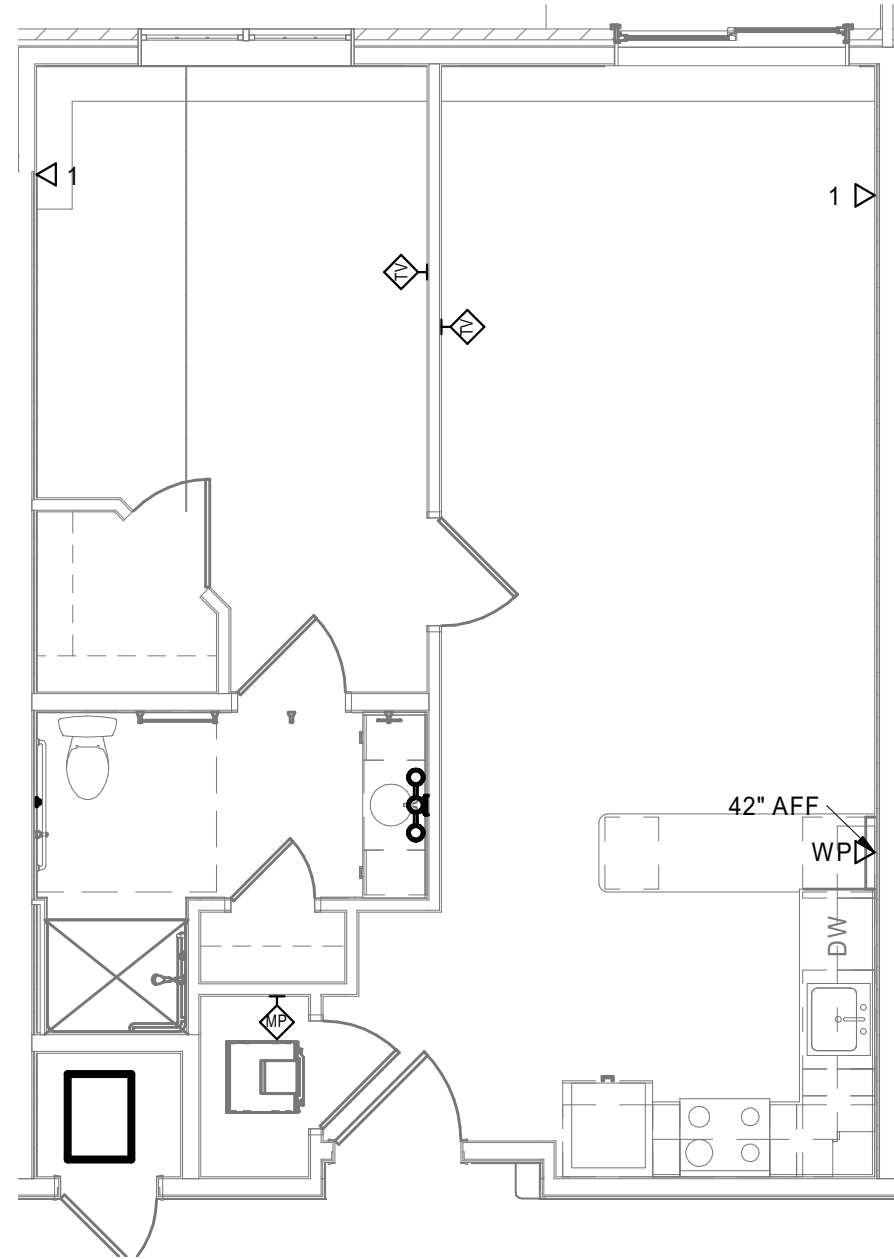
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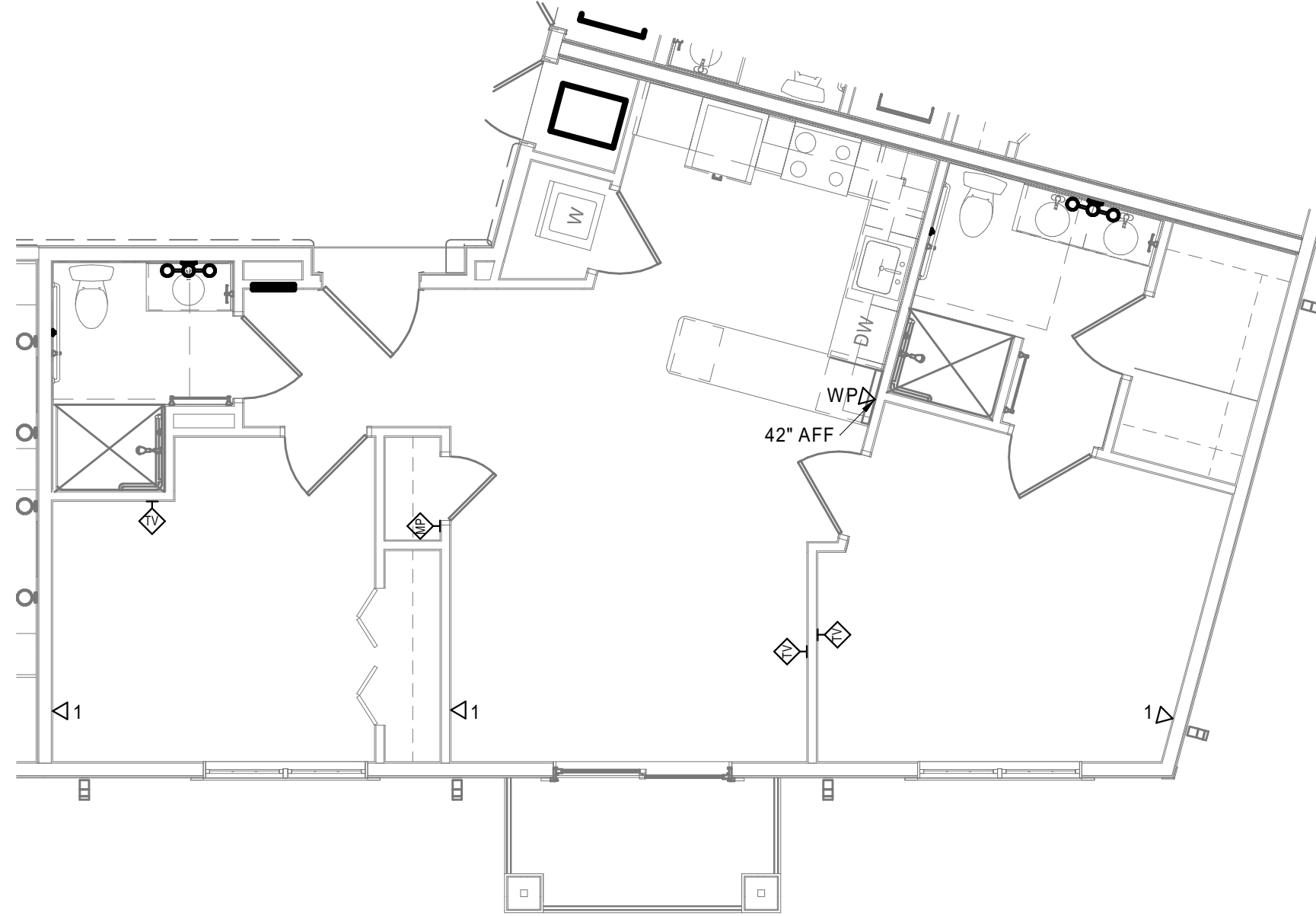
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SCALE: 3/16" = 1'-0"



4 INDEPENDENT LIVING - UNIT TYPE J
SCALE: 3/16" = 1'-0"



1 INDEPENDENT LIVING - UNIT TYPE H
SCALE: 3/16" = 1'-0"



3 INDEPENDENT LIVING - UNIT TYPE K
SCALE: 3/16" = 1'-0"



GENERAL NOTES

1. IN THE "AL" AND "IL" RESIDENT UNITS ALL L.V. CABLING WILL ROUTE TO THE IN-ROOM MEDIA PANEL. A DATA AND COAX FEED WILL BE INSTALLED TO EACH PANEL FROM THE NEAREST I.T. CLOSET. REFER TO DETAILS FOR PANEL LAYOUT.
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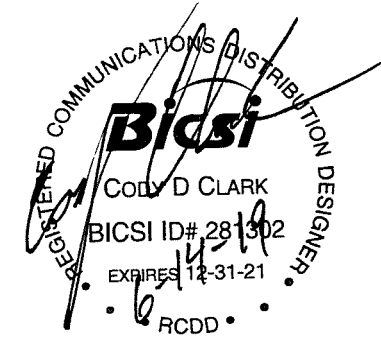
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OF AUTHORITY NO. 000073

LEE'S SUMMIT SENIOR COMMUNITY
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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL



IL - ENLARGED UNIT
PLAN

ISSUE DATE:

6/14/2019

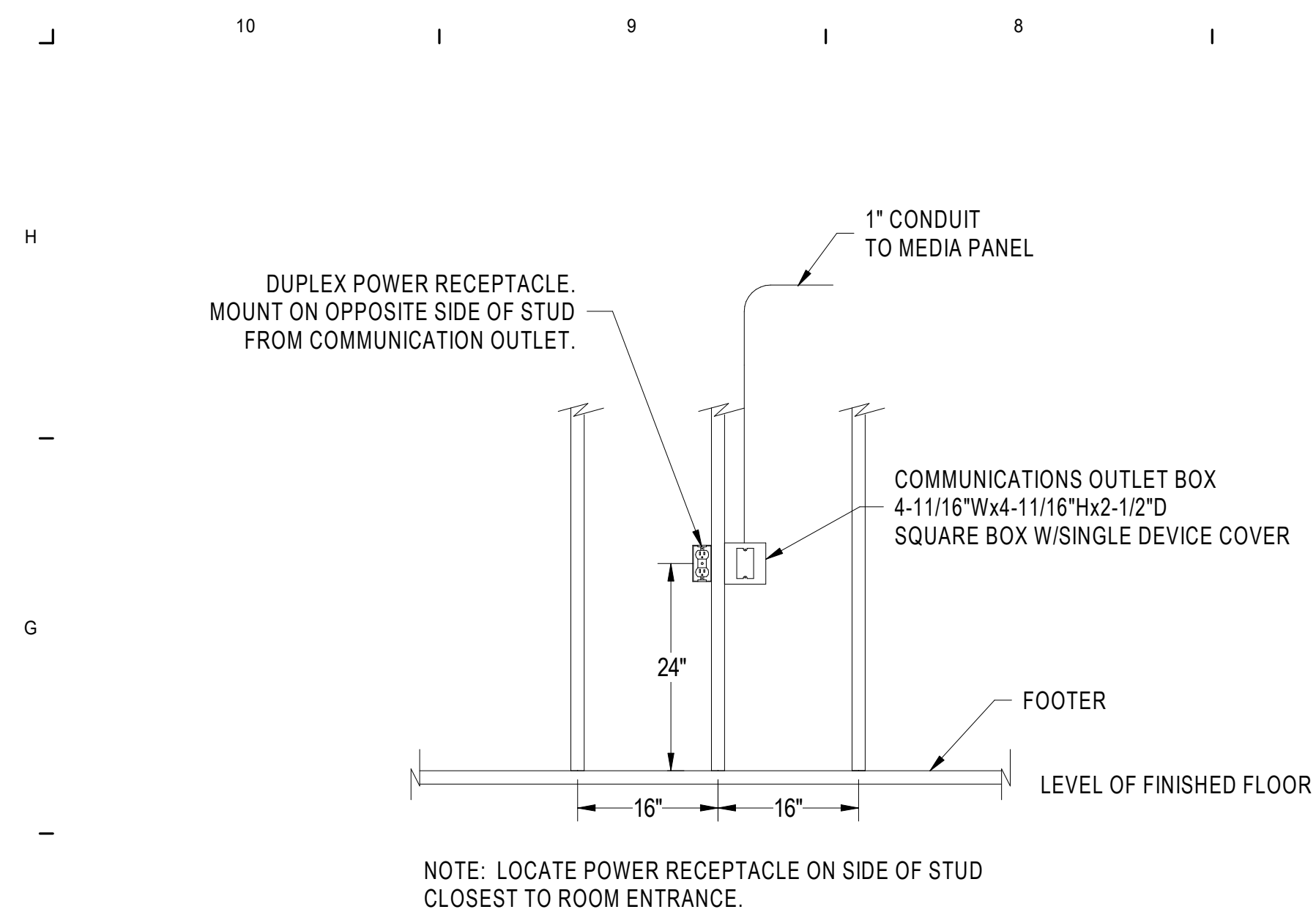
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100% CONSTRUCTION
DOCUMENTS

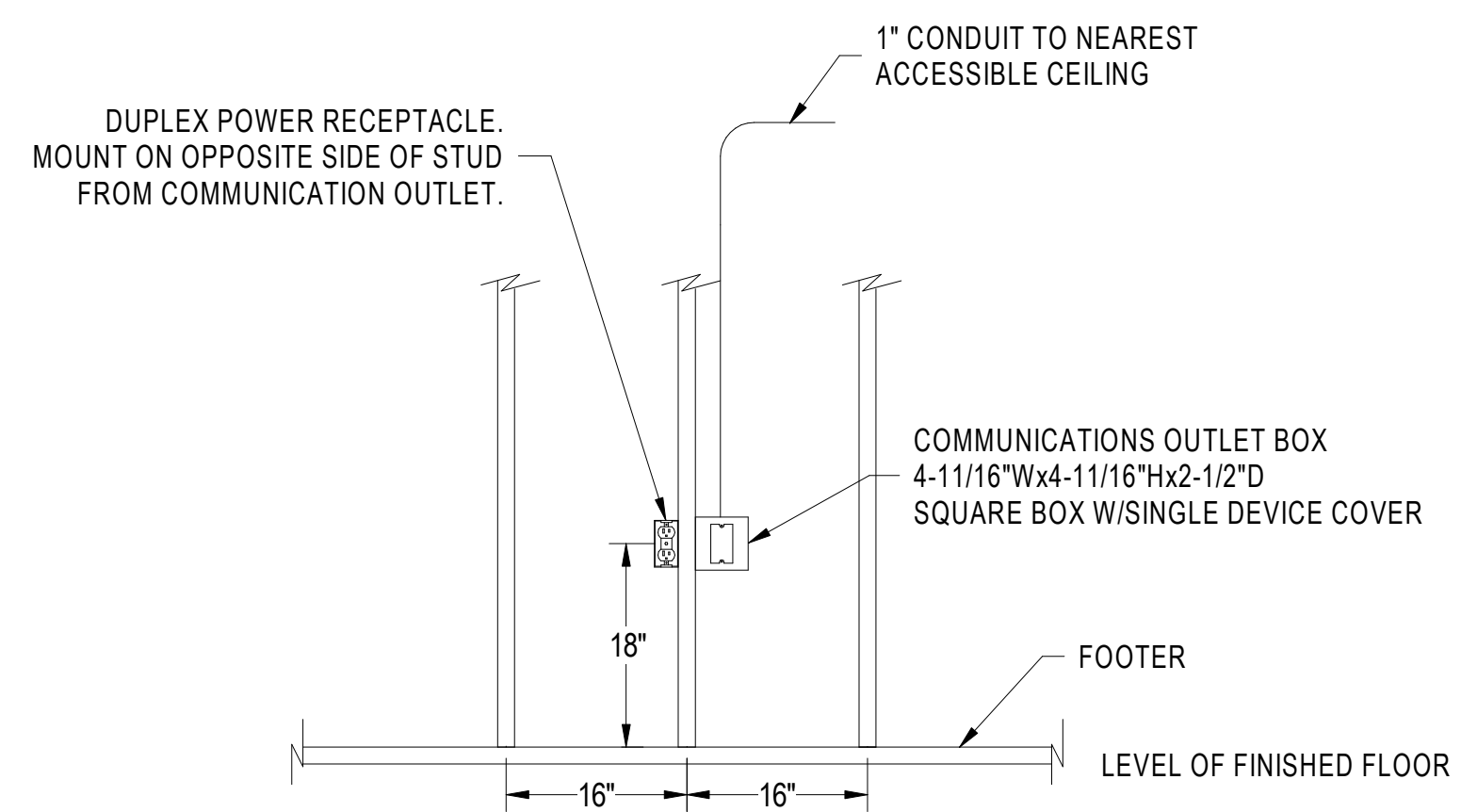
PROJECT NO.:1811

T4.2

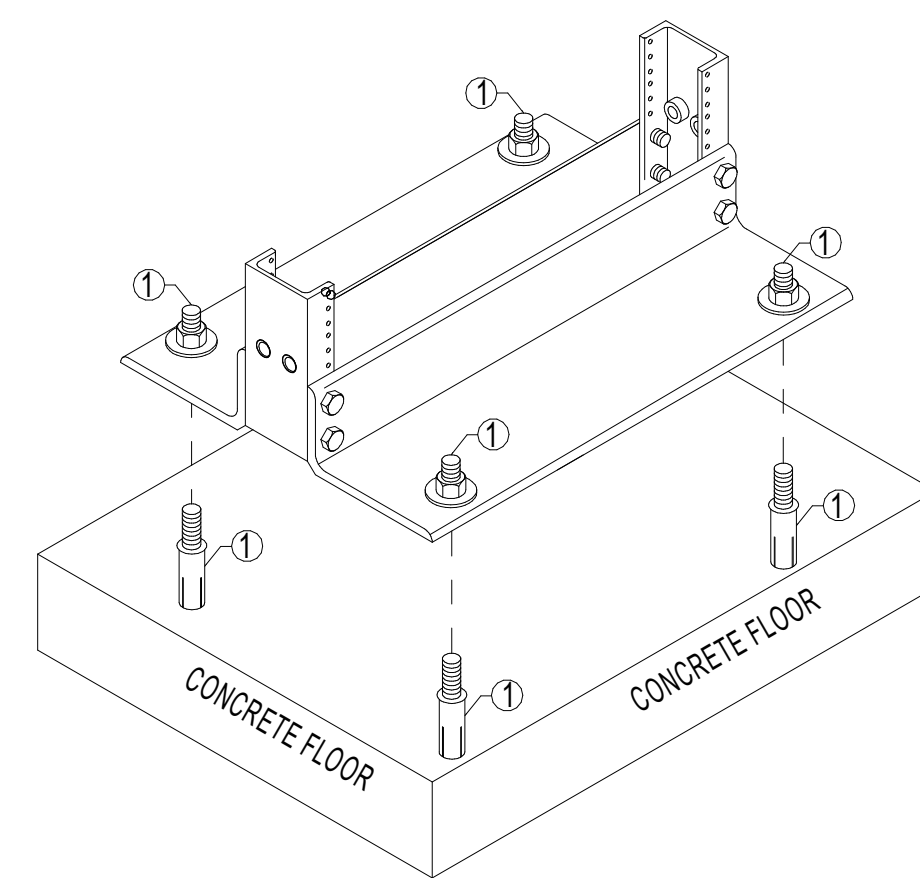
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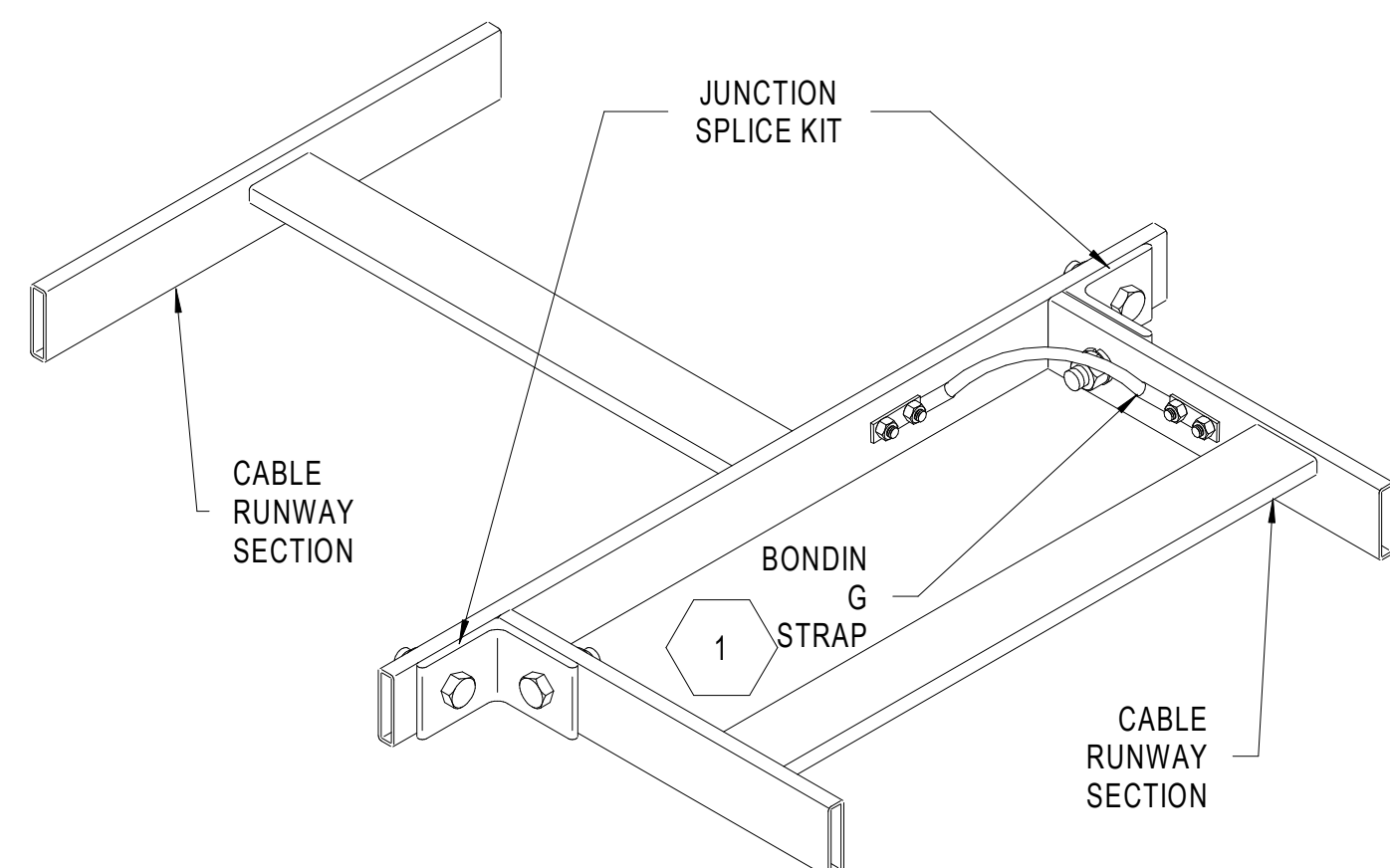
9 TYPICAL RESIDENT TV AND DATA OUTLET
SCALE: NONE



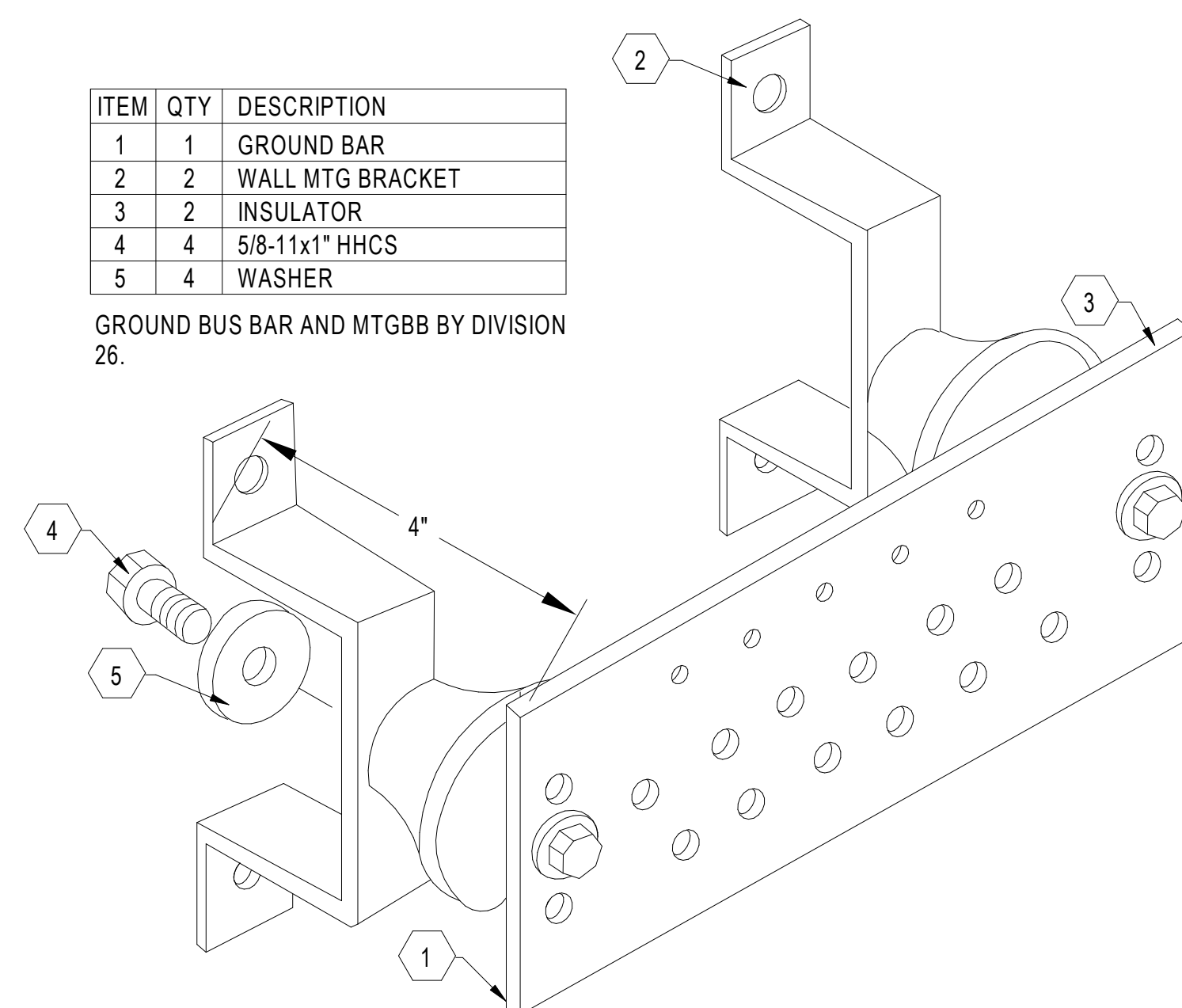
8 TYPICAL NON-RESIDENT DATA OUTLET
SCALE: NONE



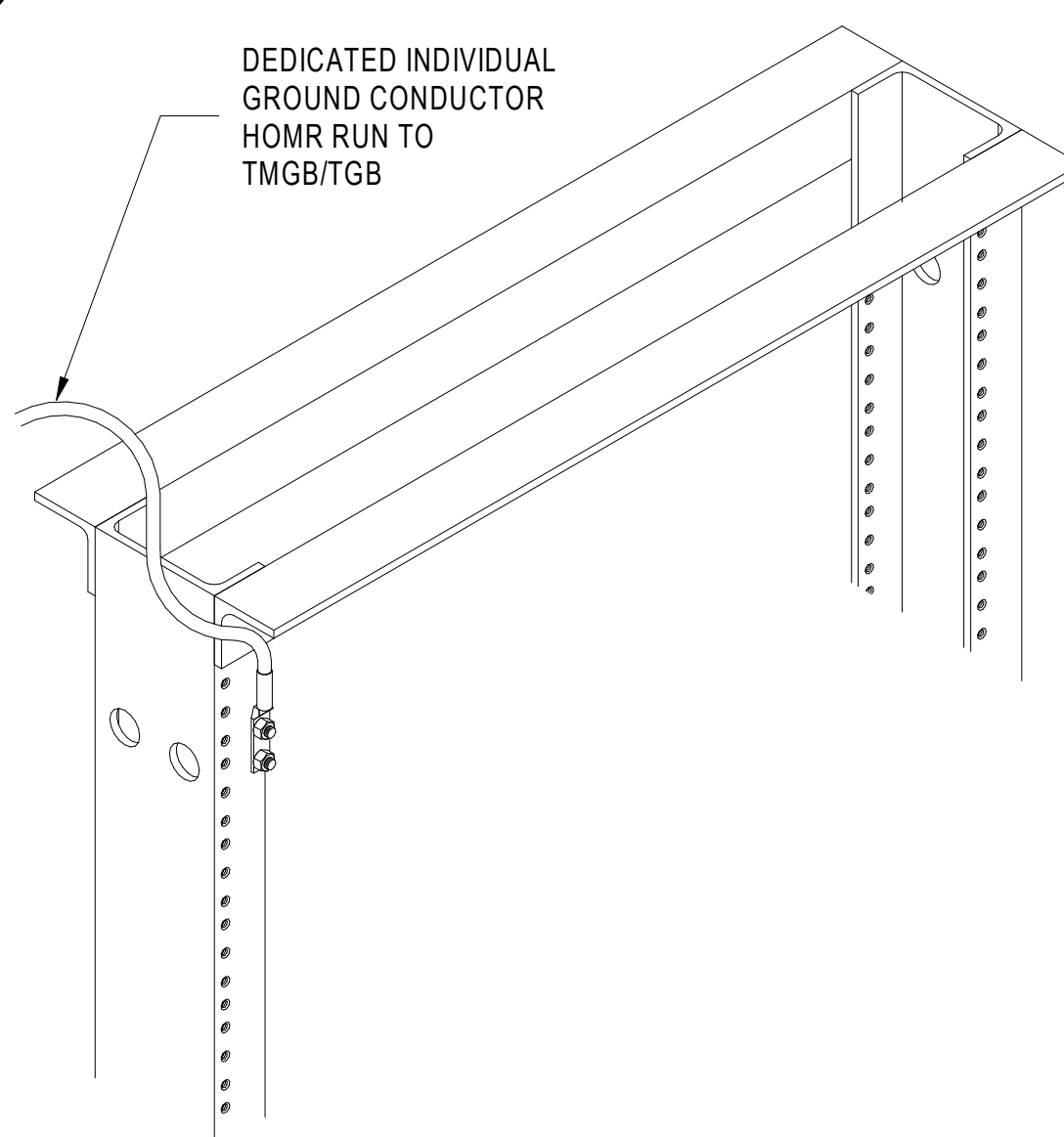
7 FLOOR STANDING RACK MOUNTING ASSEMBLY



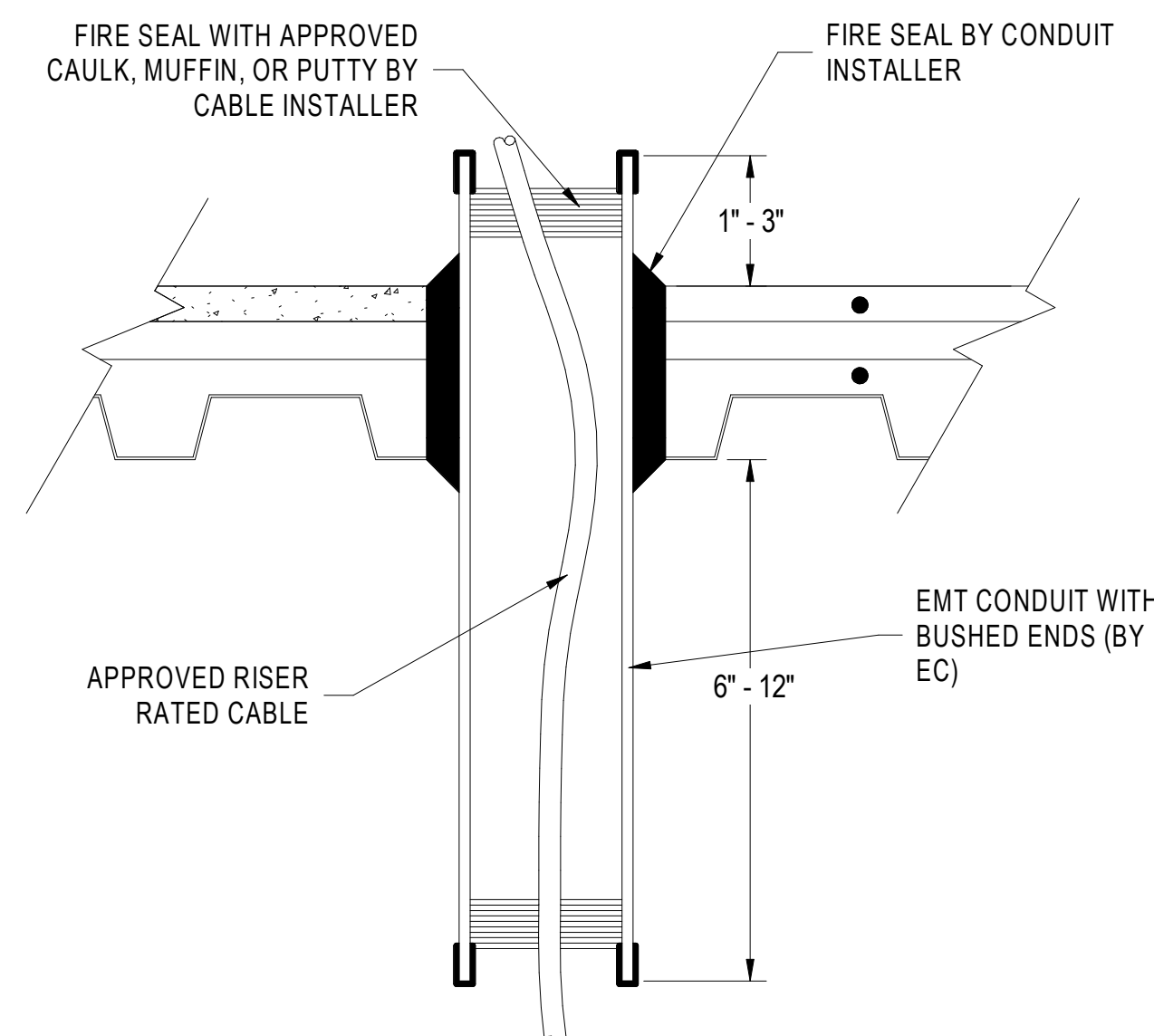
6 JUNCTION SPLICE GROUNDING ASSEMBLY



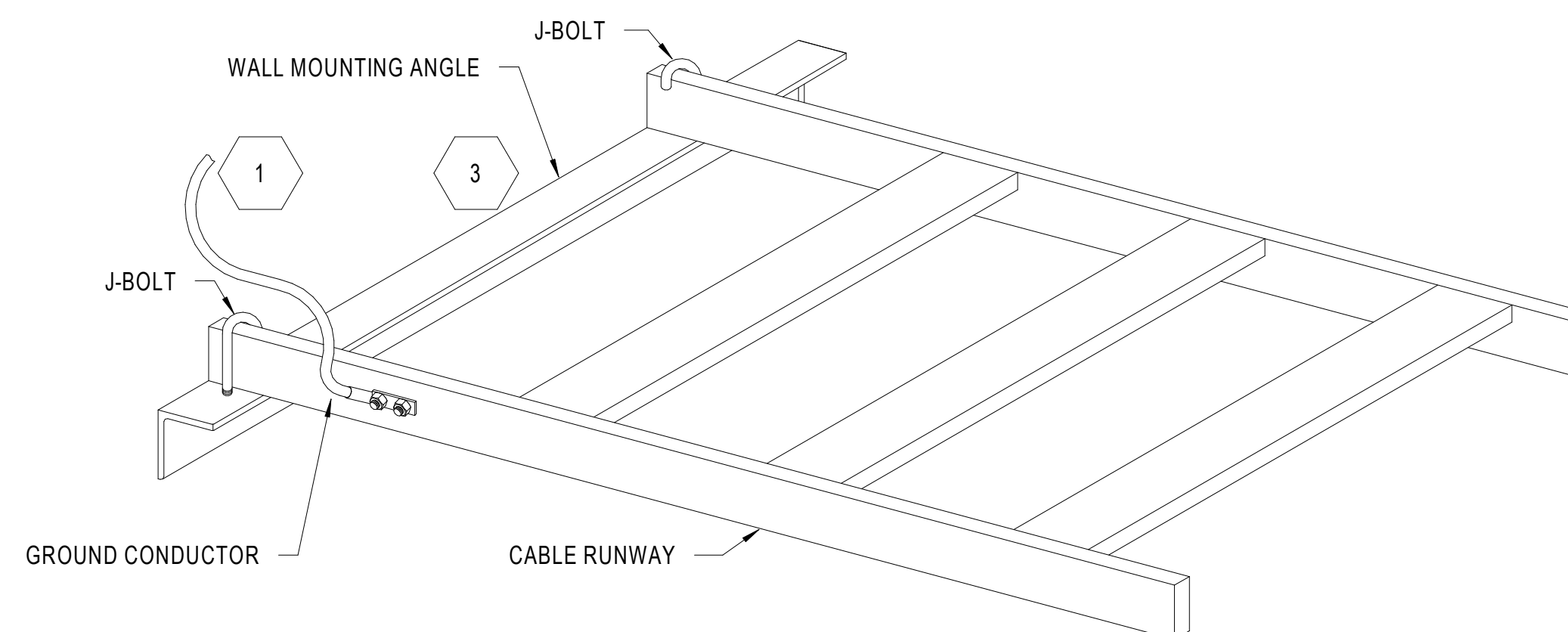
3 TELECOMMUNICATIONS GROUND BUS BAR
SCALE: NONE



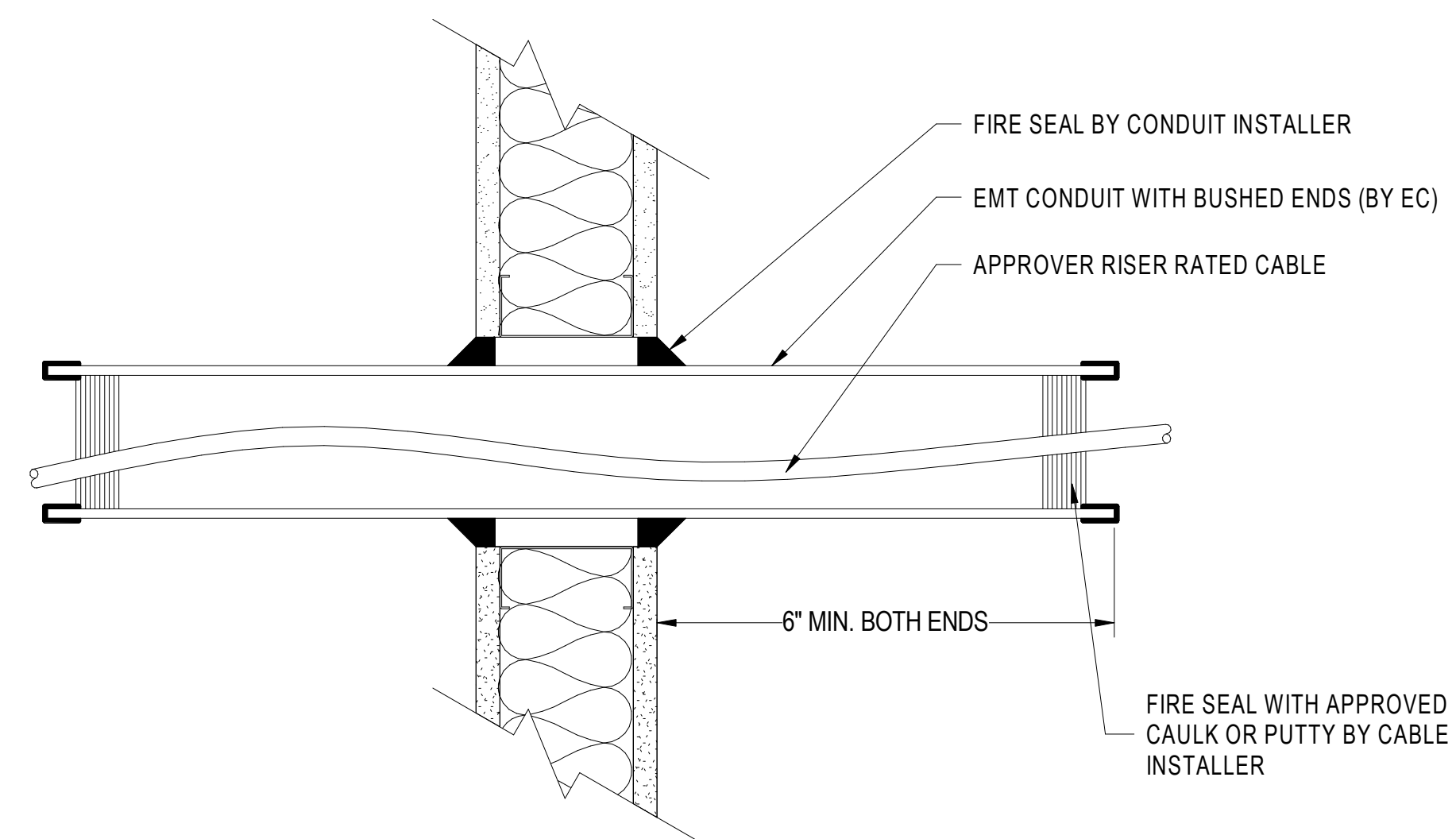
5 STANDING RACK GROUNDING ASSEMBLY



2 CABLE VERTICAL CONDUIT PENETRATION



4 ANGULAR WALL BRACKET GROUNDING ASSEMBLY



1 CONDUIT WITH FIRESTOP THRU WALL



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ITEM	QTY.	DESCRIPTION
1	4	CONCRETE ANCHOR, 1/2"



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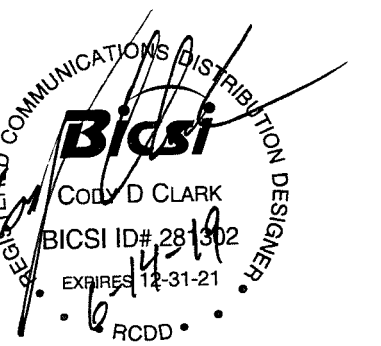
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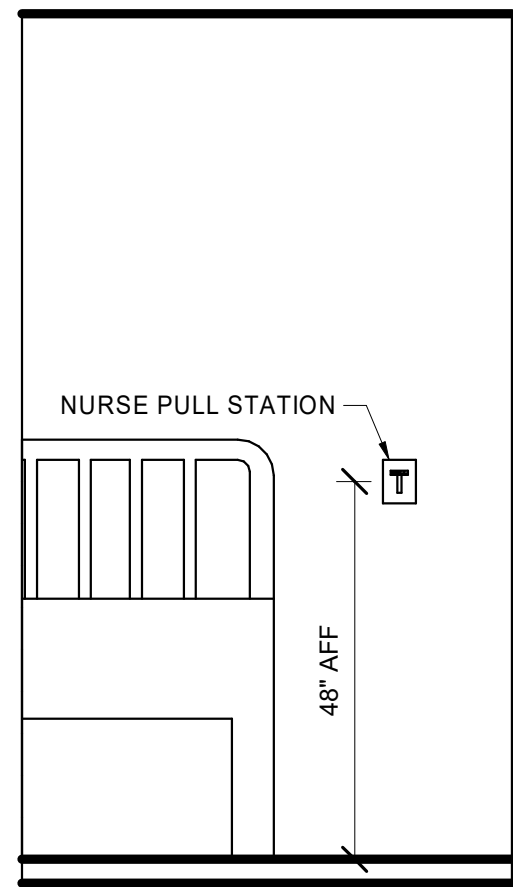
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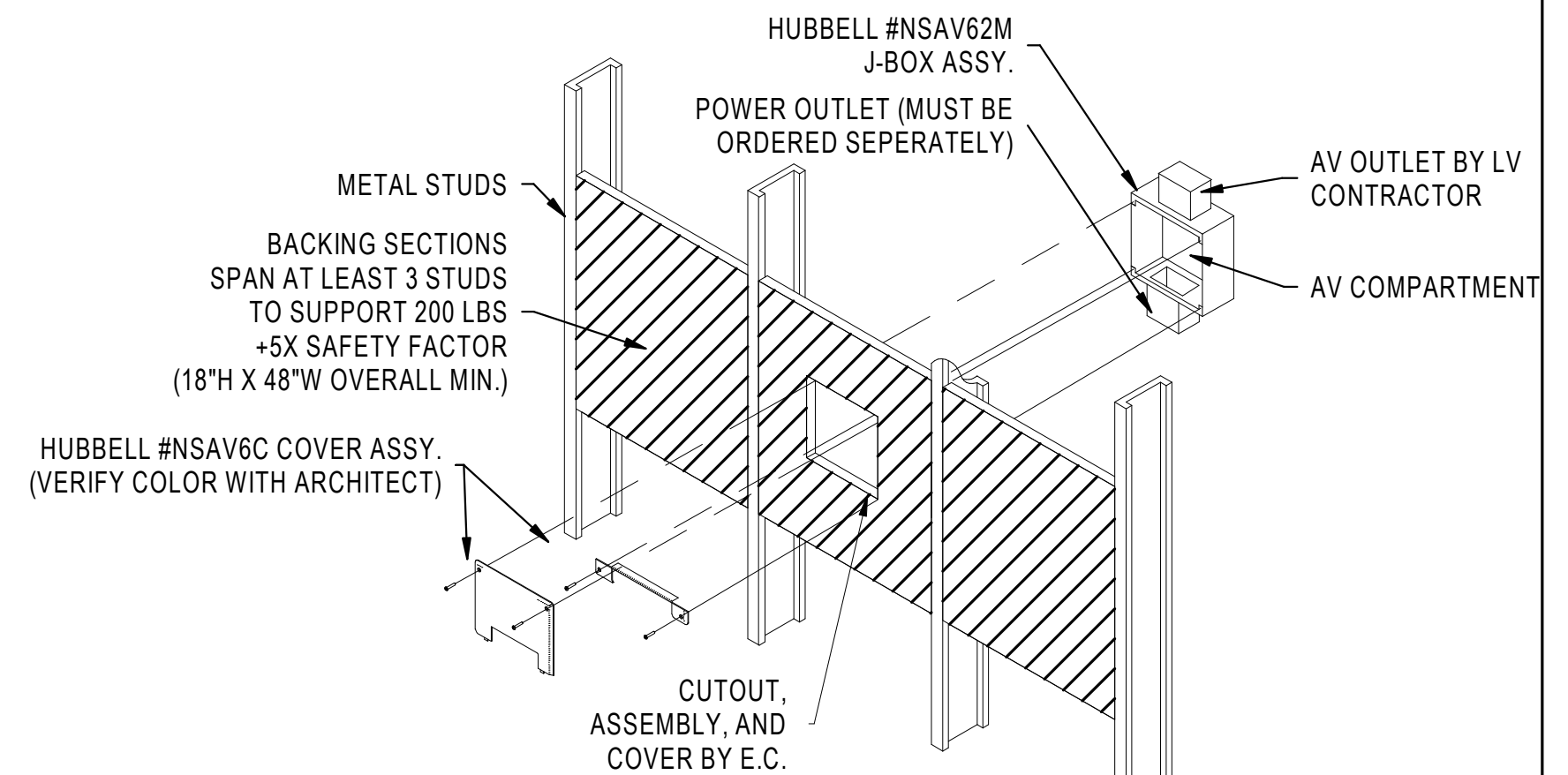
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7 NURSE CALL BED PULL STATION

SCALE: NONE

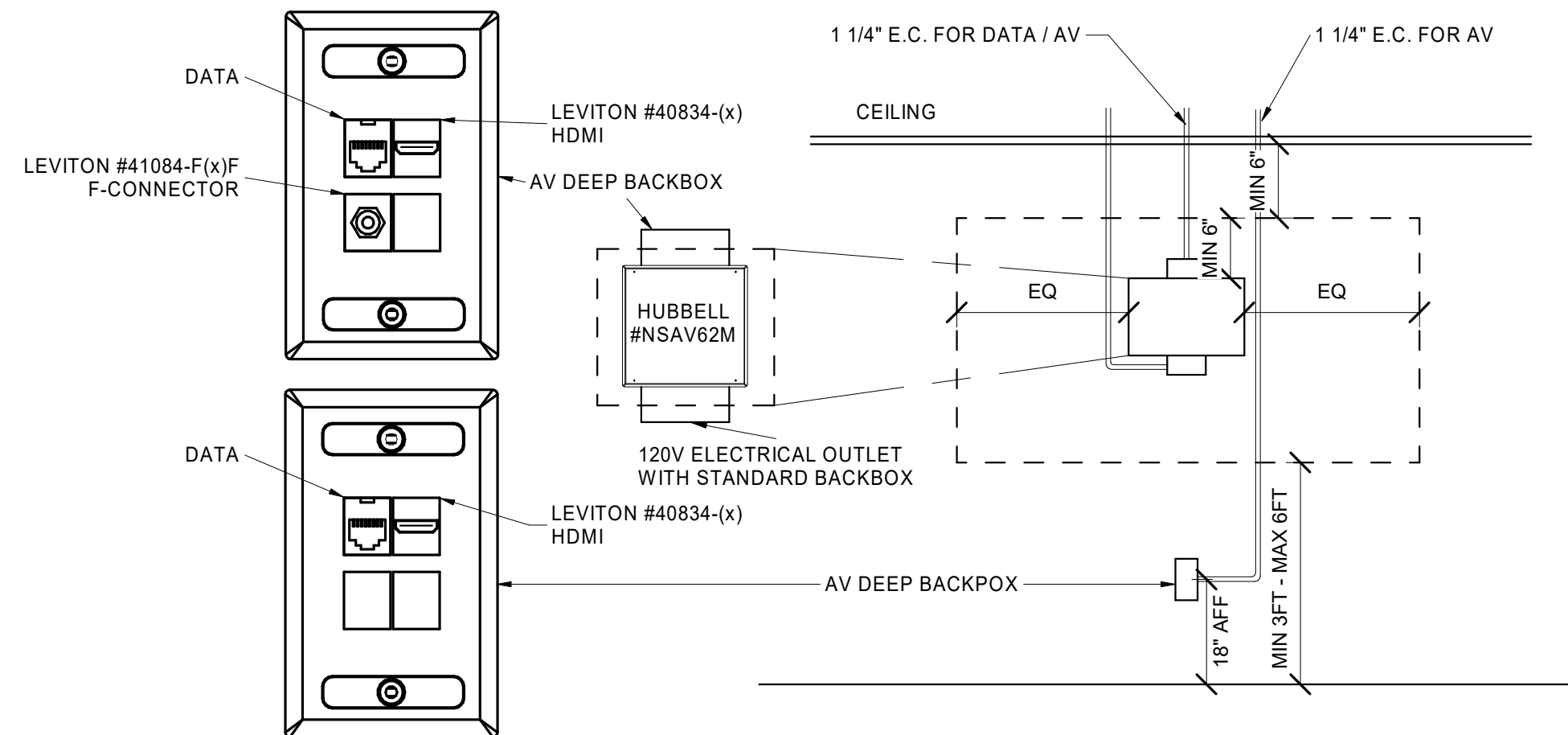


NOTES:

1. BACKING AND J-BOX FOR WALL MOUNTED FLAT PANEL DISPLAY.
2. J-BOX CENTERED AT LOCATION. SEE ELEVATIONS FOR EXACT DIMENSIONS.
3. ALWAYS SPAN BETWEEN THREE STUDS.
4. SEE PARTITION TYPES FOR STUD SIZE AND GAUGE.
5. VERIFY LOCATIONS OF BACKING WITH PLANS & ROOM ELEVATIONS.
6. FASTEN BACKING FLUSH WITH FACE OF STUDS.
7. FLAT PANEL DISPLAYS AND MOUNTING BRACKETS BY LOW-VOLTAGE CONTRACTOR.

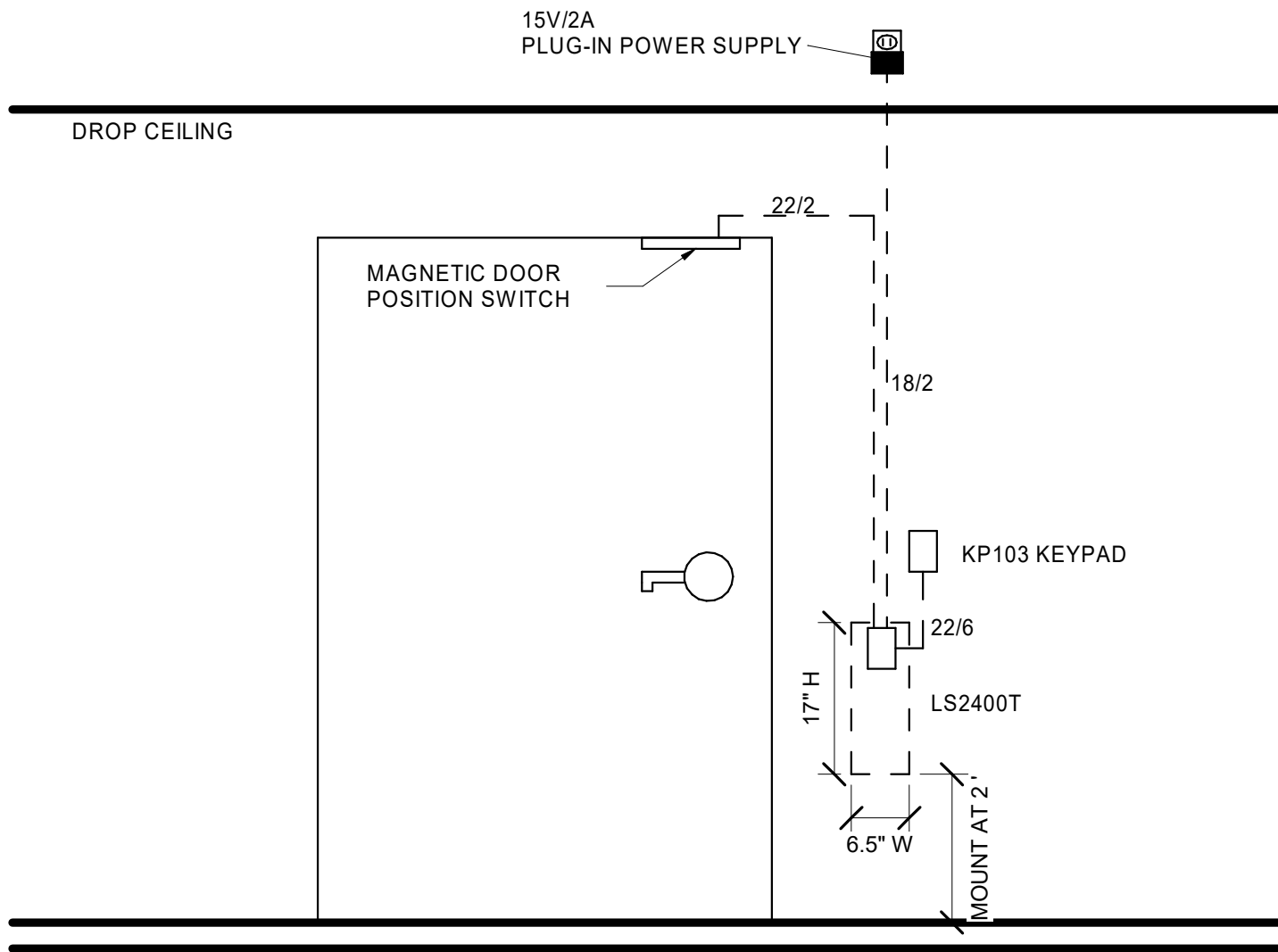
3 TYPICAL DISPLAY BACKBOX DETAIL

SCALE: NONE



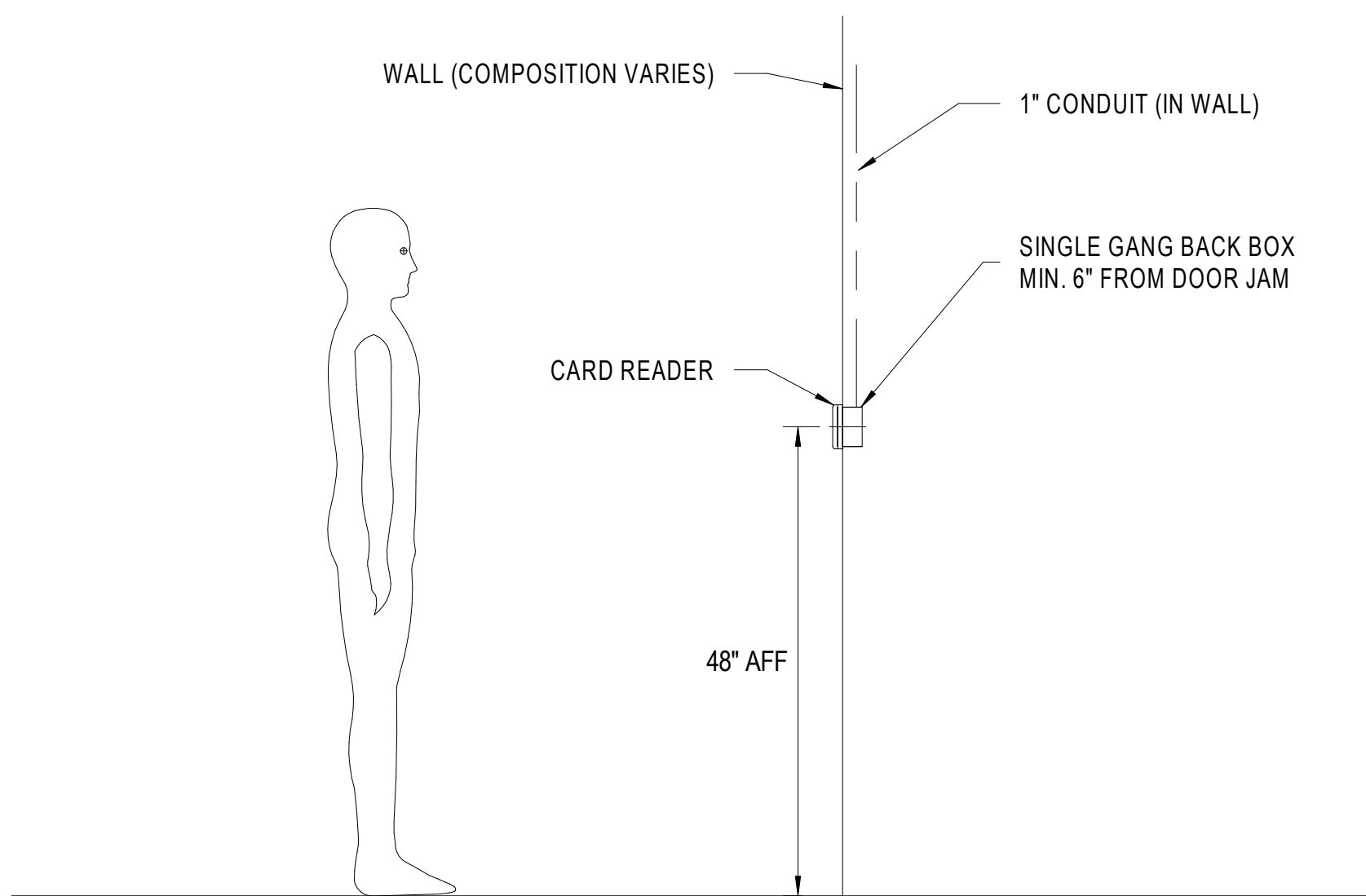
1 D2 DISPLAY BACKBOX DETAIL

SCALE: NONE



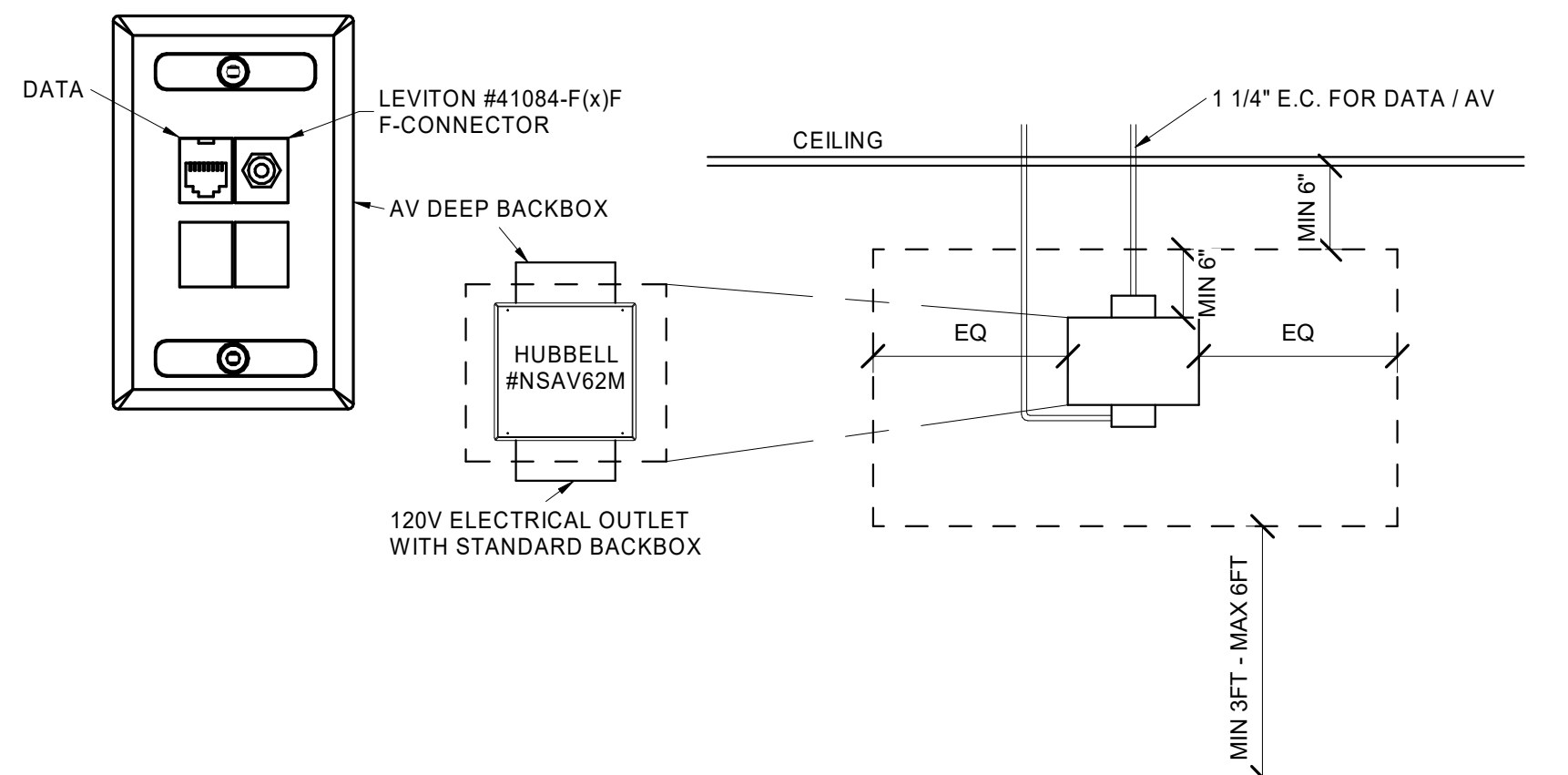
8 SINGLE DOOR HARDWARE DETAIL

SCALE: NONE



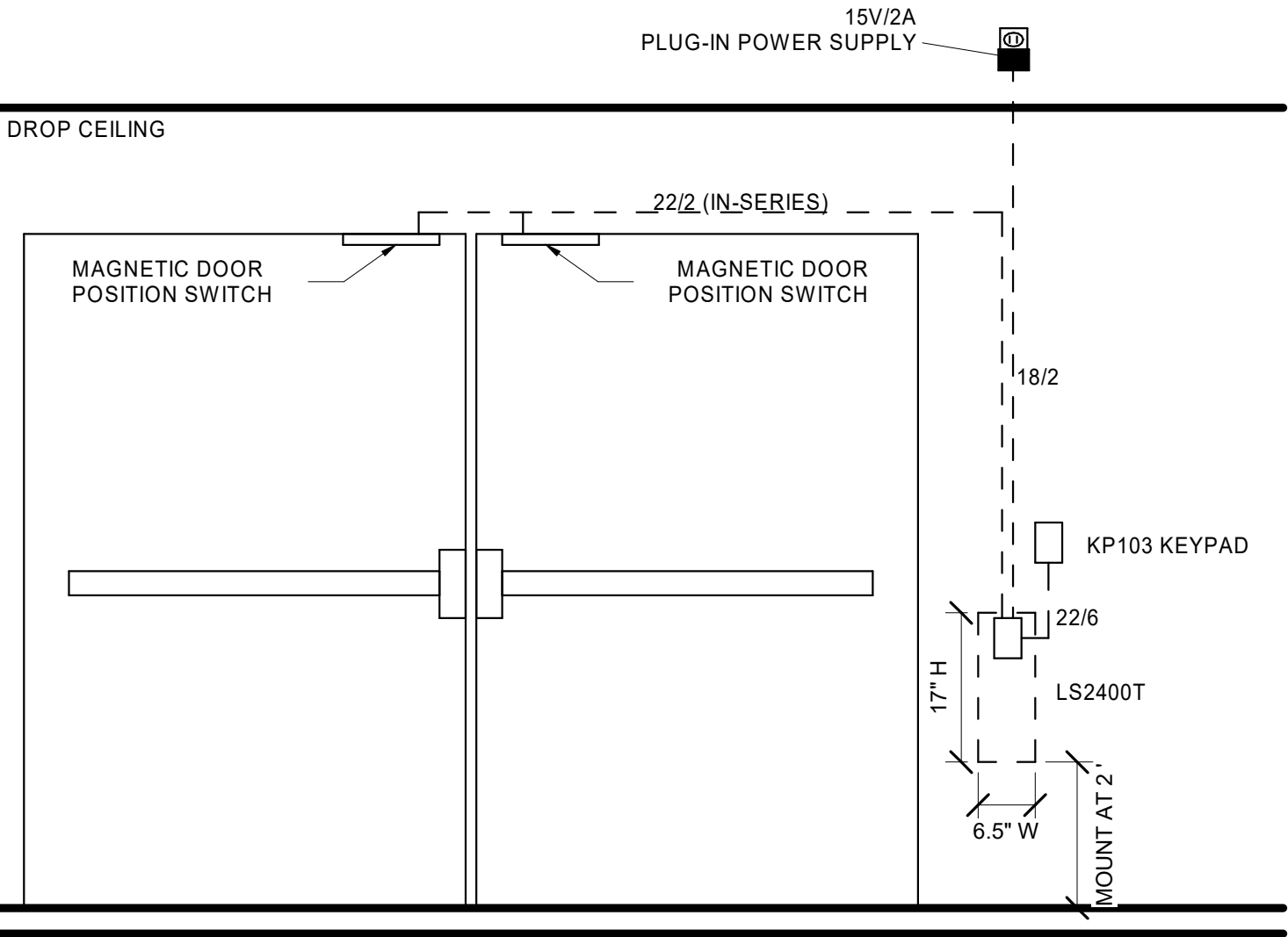
5 ACCESS CONTROL CARD READER

SCALE: NONE



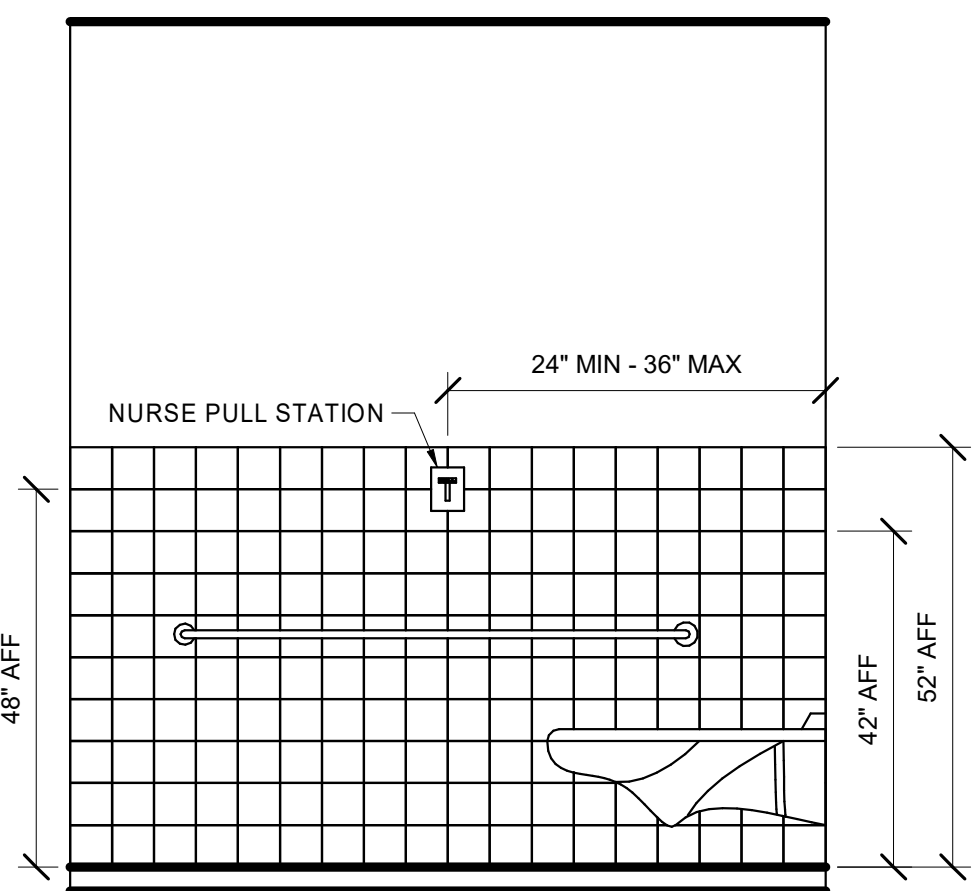
2 D1 DISPLAY BACKBOX DETAIL

SCALE: NONE



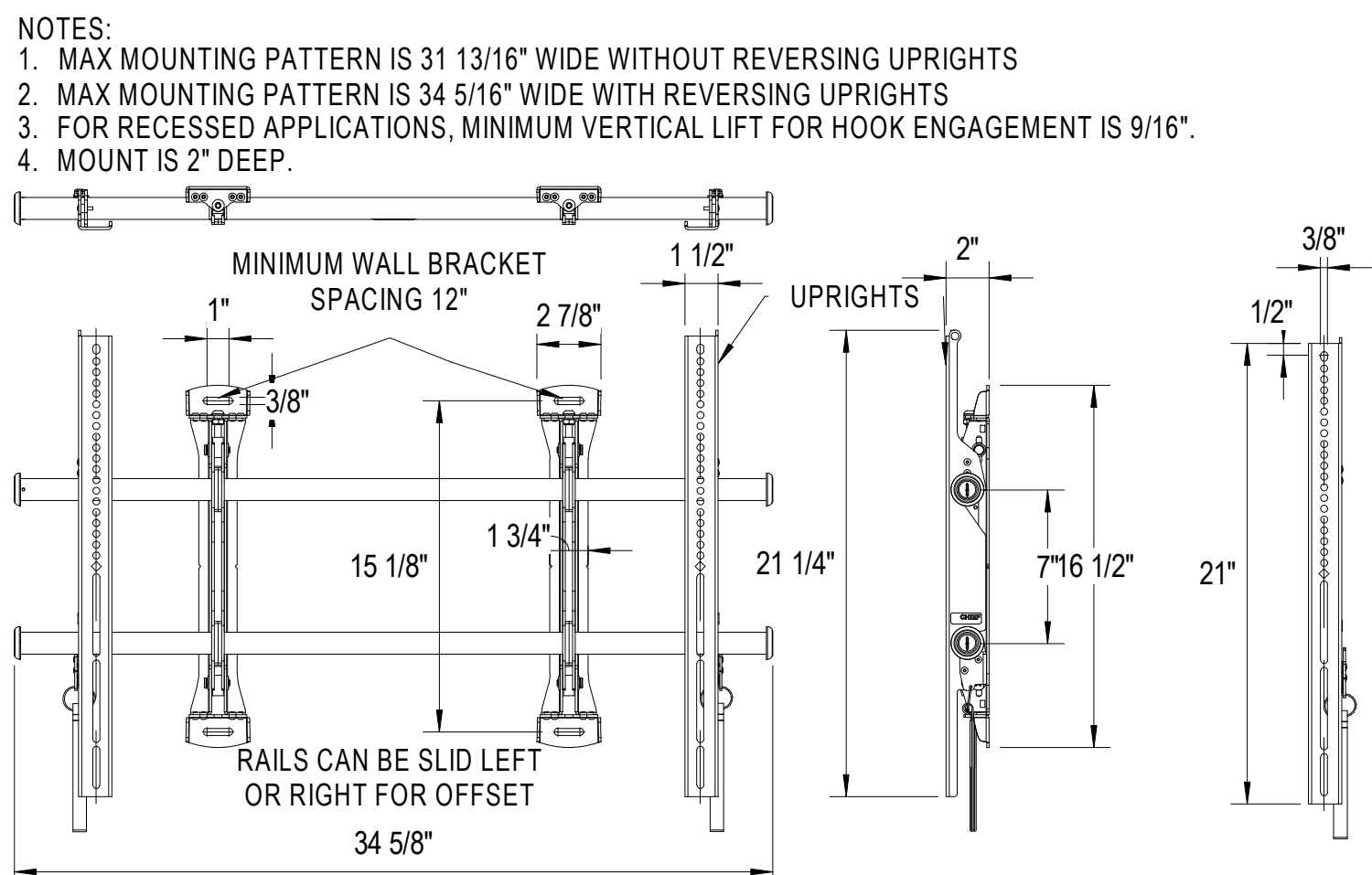
9 DOUBLE DOOR HARDWARE DETAIL

SCALE: NONE



6 NURSE CALL BATH PULL STATION DETAIL

SCALE: NONE



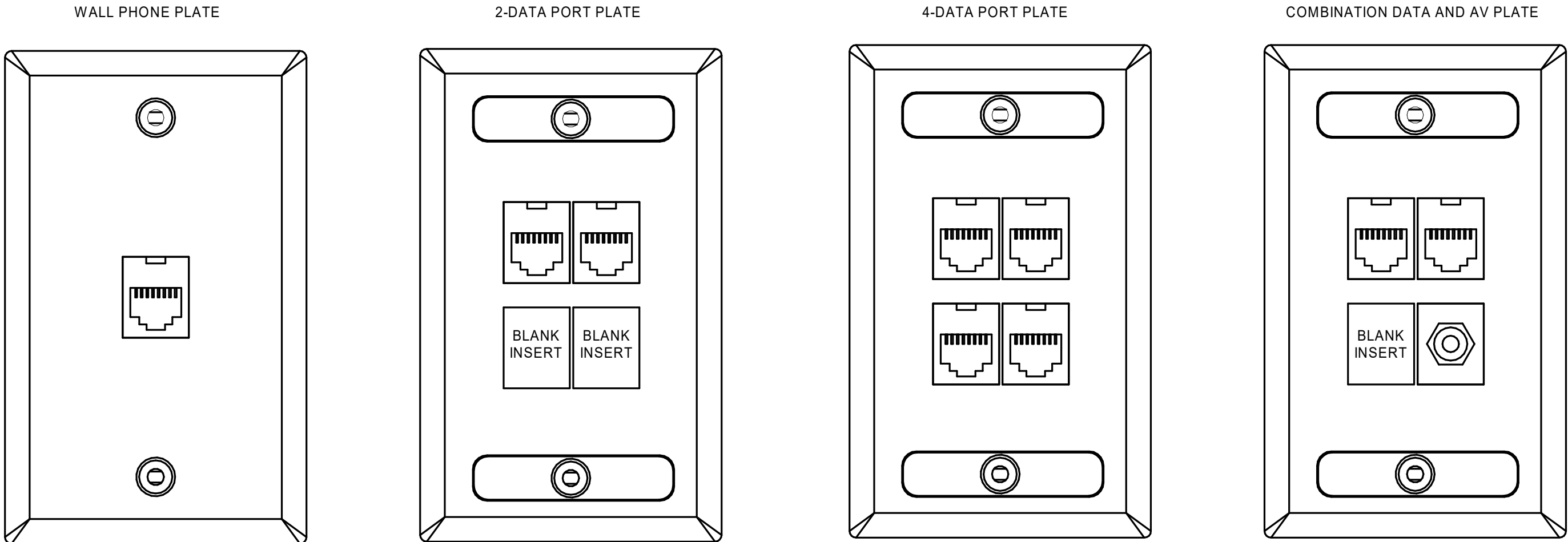
4 TYPICAL DISPLAY MOUNT DETAIL

SCALE: NONE

- NOTES:
1. MAX MOUNTING PATTERN IS 31 13/16\"
 2. MAX MOUNTING PATTERN IS 34 5/16\"
 3. FOR RECESSED APPLICATIONS, MINIMUM VERTICAL LIFT FOR HOOK ENGAGEMENT IS 9/16\".
 4. MOUNT IS 2\"

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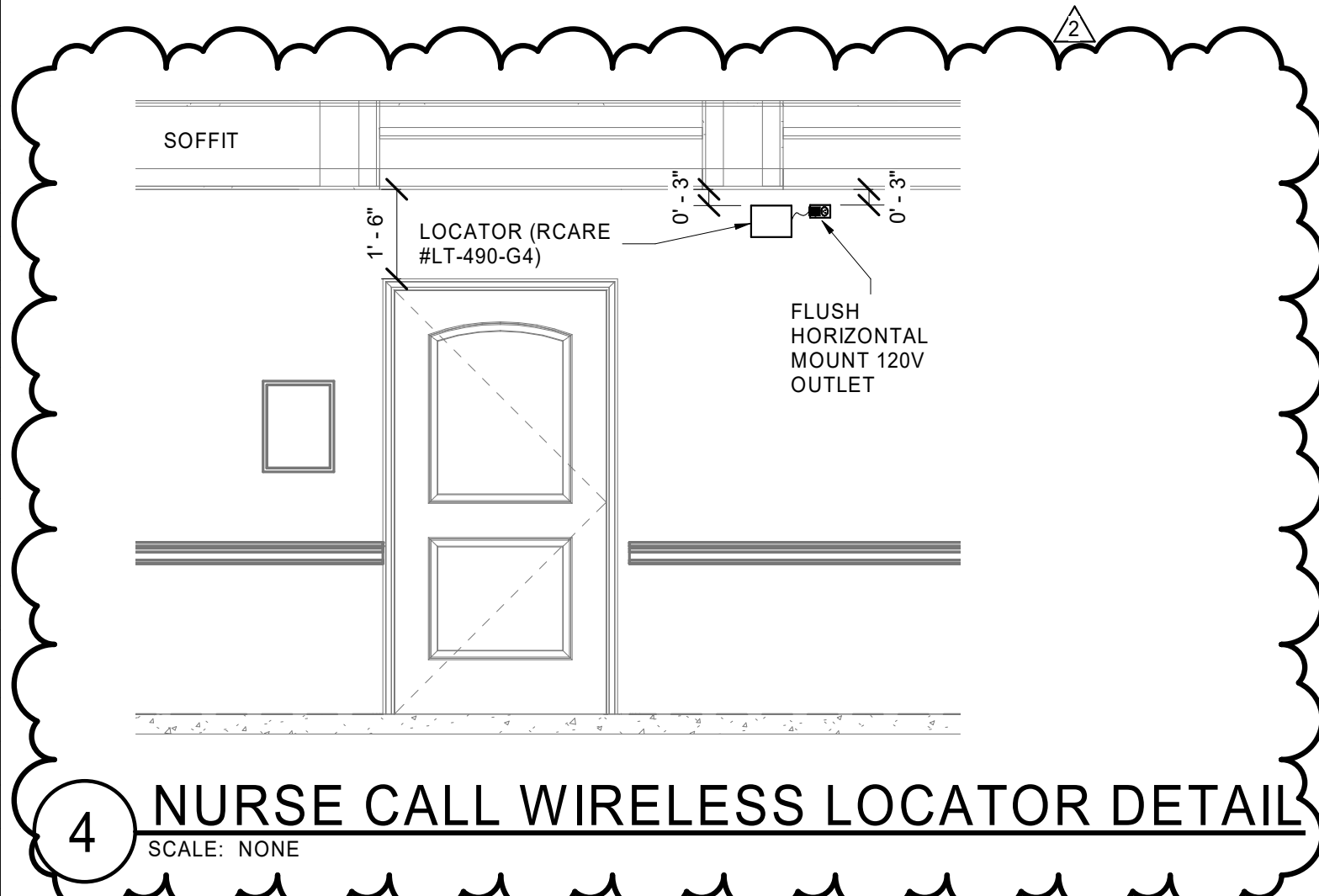
QUALITY OF MATERIALS - PASSIVE EQUIPMENT			
	DESCRIPTION	MANUFACTURER	MODEL / PART #
COPPER - COMMUNICATIONS SYSTEM	Cat 6 Cable Riser Rated	Essex	77-240-(y)A
	Cat 6 Jacks	Leviton	61110-R(x)6
	Cat 6 Patch Cable	Hubbell	NSC6(y)(xx)
	1-Port Wall Phone Plate - Stainless	Leviton	4108W-1SP
	4-Port Faceplate	Leviton	42080-4(xx)
	Surface Mount Boxes	Leviton	41089-(x)(y)P
	Blank Insert for Faceplate	Leviton	41084-B(x)
	Port Patch Panel - Modular/Unloaded	Leviton	49255-H(xx)
	Port Patch Panel - Loaded	Leviton	69270-U(xx)
	Vertical Wire manager	Hubbell	VSD45
COPPER - AV SYSTEM	Horizontal Manager	Hubbell	HSD(X)3
	Quad Shield RG6 Cable	CCT	CCT5214R OR EQUAL
	Quad Shield RG11 Cable	CCT	CCT5405 OR EQUAL
	RG6 Connector	Hubbell	FRG625
	RG11 Connector	IDEAL	89-211
	F-Connector Keystone Insert	Leviton	41084-F(x)F
	HDMI Pass-Thru Keystone Insert	Leviton	40834-(x)
	Port Patch Panel - Modular/Unloaded	Leviton	49255-H(xx)
	Speaker Wire	Honeywell	NOT SPECIFIED
	HDMI Cable	Quiktron	NOT SPECIFIED
FIBER OPTICS - COMMUNICATIONS SYSTEM	12-Strand OM3 Fiber, Indoor, Plenum, Armored	Essex	L4012N401
	24-Strand OM3 Fiber, Indoor, Plenum, Armored	Essex	L4024NK1Q
	12-Strand OM3 Fiber,OSP, Non-armored	Essex	11012NG01
	1U Rack Mount Fiber Box	Leviton	5R1UM-503
	2U Rack Mount Fiber Box	Leviton	5R2UM-506
	Wall Mount Fiber Box	Leviton	5WSML-02C
	Fiber Box Lock Kit (Wall and Rack)	Leviton	5L000-KAL
	Fiber Bulkhead LC MM	Leviton	5F100-(x)QL
	Fiber Splice Tray	Leviton	T5PLS-(xx)F
	Fiber Splice Pig-Tails LC 12-Strand Kit	AFL	CS003058-0003
RACKS AND CABLE LADDER TRAY	Fiber Patch Cable	Hubbell	FPLCE(x)MM
	Ladder Tray 12"	Hubbell	HLS1012B
	4-Post Equipment Rack	Hubbell	SF841929
	2-Post Relay Rack	Hubbell	HPW84RR19
	2U Wall Mount Bracket	Hubbell	HPWVB2U4
	Relay Rack Mounting Bracket	Hubbell	HLMPK19
	Wall Angle Support Bracket	Hubbell	HLX0612
	Triange Support Bracket	Hubbell	HLTSB12B
	Butt Splice Bracket	Hubbell	HLBSK
	Junction Splice Bracket	Hubbell	HLTK
ENCLOSURES AND BACKBOXES	End Caps for Ladder Tray	Hubbell	HLECPK2
	Vertical Wall Brackets for Ladder Tray	Hubbell	HLVWBK
	Swivel Splice for Ladder Tray	Hubbell	HLSSK
	Ladder Tray Foot Kit	Hubbell	HLRF
	TGB (Grounding Busbar)	Hubbell	HGRKTTGB10A
	14 X 14 In-Room Media Panel	Hubbell	NSOBOX14C
	2 Gang Recessed Backbox	Hubbell	NSAV62M
	2 Gang Recessed Backbox Cover	Hubbell	NSAV6C
	When not specified, follow manufacturer's recommendations.		



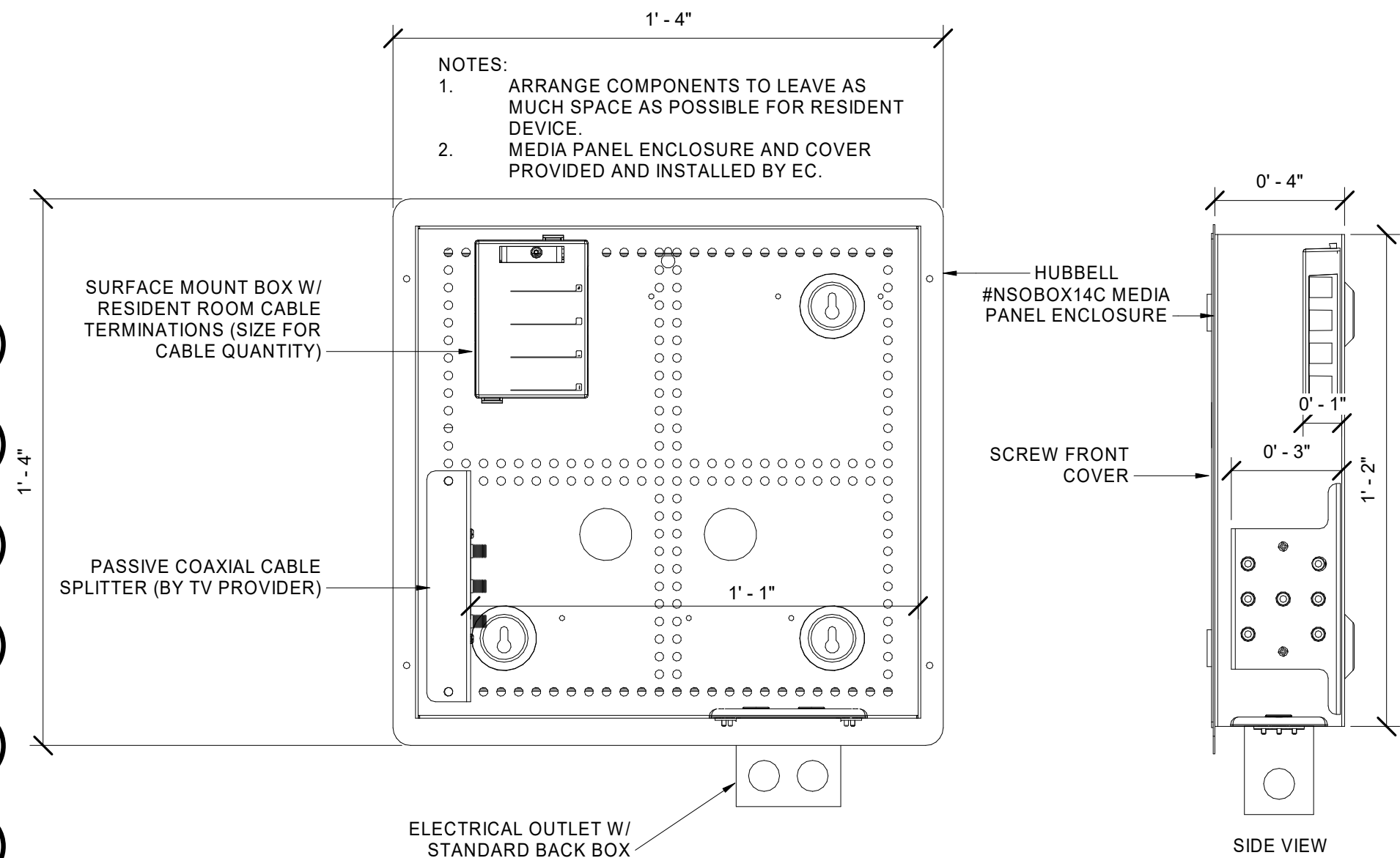
2 TYPICAL FACE PLATE DETAIL
SCALE: NONE

QUALITY OF MATERIALS - ACTIVE EQUIPMENT			
SYSTEM	PART DESCRIPTION	MANUFACTURER	MODEL / PART #
NETWORK	Firewall	Fortinet	FORTIGATE SERIES
	Core Switch	Hewlett-Packard	1920S SERIES
	Edge Switch	Signamax	C-300 SERIES
POWER	Wireless Access Points	Aruba	AP-305 / AP-365
	UPS Li-Ion PDU	APC	SMTL SERIES
	Surge-Protected	MinuteMan	OES Series
NURSE CALL	Nurse Call Headend	RCare System	RCUBE
	Pager System	WaveWare	SPS-5 v9S
SECURITY	Access Control Panels	CDVI	A22POE
	Surveillance NVR	Vivotek	ND9441 / ND9541
AUDIO / VISUAL	Receivers	Yamaha	RX-A1080
	Amplifiers	JBL	CSA Series
	Assisted Listening	Listen Technologies	LCS-120-01

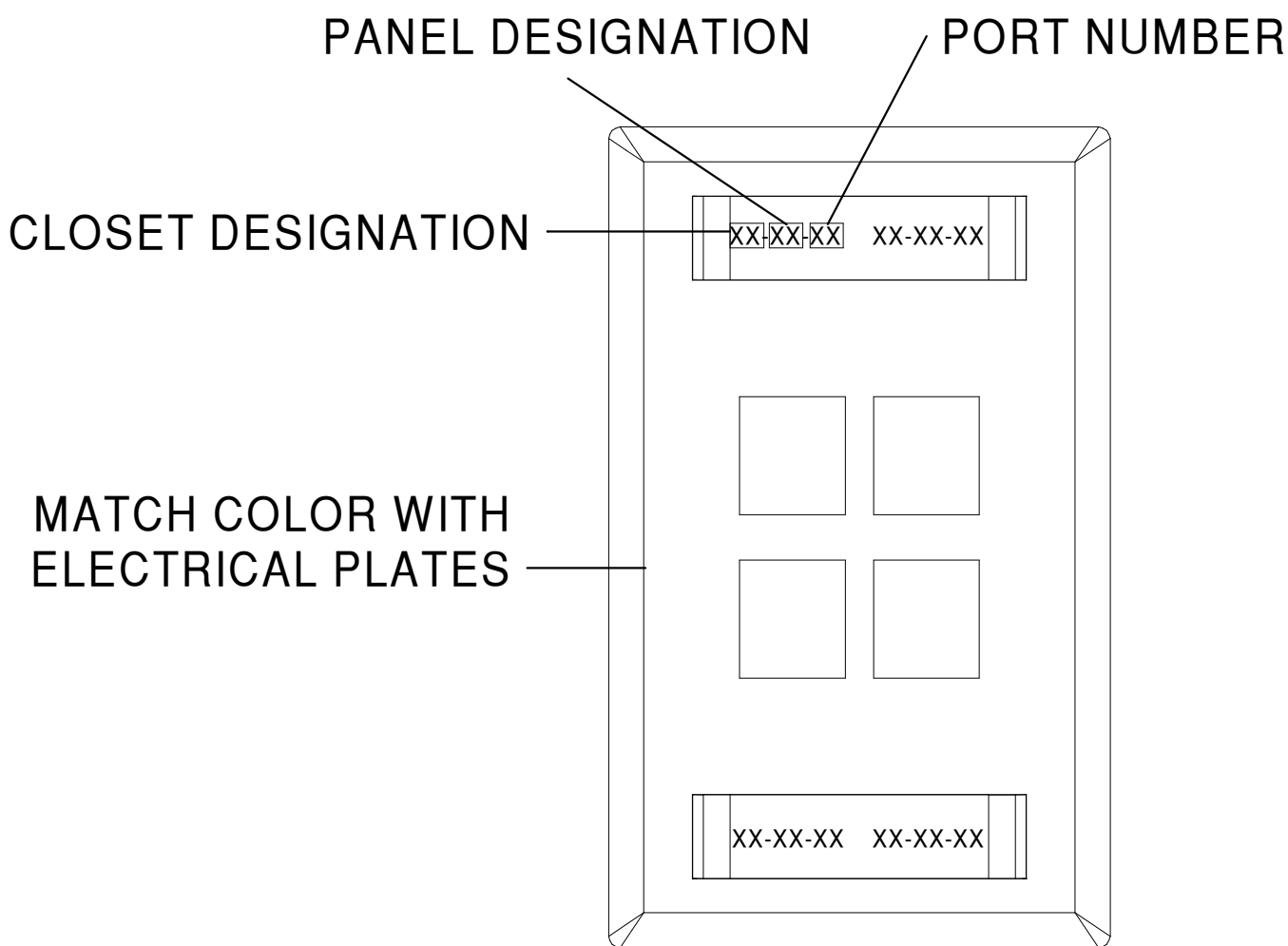
TECHNOLOGY CABLE AND CONNECTIVITY COLOR CODE				
SYSTEM	HORIZONTAL CABLE	PATCH CORD	CONNECTOR	
			I.T. CLOSET	WORKSTATION
COMMERCIAL DATA	BLUE	BLUE	BLUE	MATCH PLATE
RESIDENTIAL DATA	WHITE	WHITE	WHITE	MATCH PLATE
WIRELESS ACCESS	GREEN	GREEN	GREEN	GREEN*
SECURITY	YELLOW	YELLOW	YELLOW	YELLOW*
ANALOG VOICE	BLUE	BLACK	BLUE	MATCH PLATE
BACKBONE FIBER	AQUA	AQUA	AQUA	N/A
BACKBONE COPPER	GRAY	RED	N/A	N/A
AV COAX	BLACK	BLACK	BLACK	MATCH PLATE
AIPHONE	YELLOW	YELLOW	YELLOW	YELLOW*
*Disregard workstation color designation when terminating with direct-connect plug.				



4 NURSE CALL WIRELESS LOCATOR DETAIL
SCALE: NONE



3 MEDIA PANEL DETAIL
SCALE: NONE



1 FACEPLATE LABEL DETAIL
SCALE: NONE



GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ABIDE BY ALL APPLICABLE CODES AND STANDARDS WHEN INSTALLING DEVICES REGARDLESS OF DIMENSIONS SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS.
2. MOUNTING DETAILS ARE INTENDED TO PROVIDE GUIDANCE. ACTUAL LOCATIONS SHALL BE COORDINATED ON SITE AND WITH THE OWNER.



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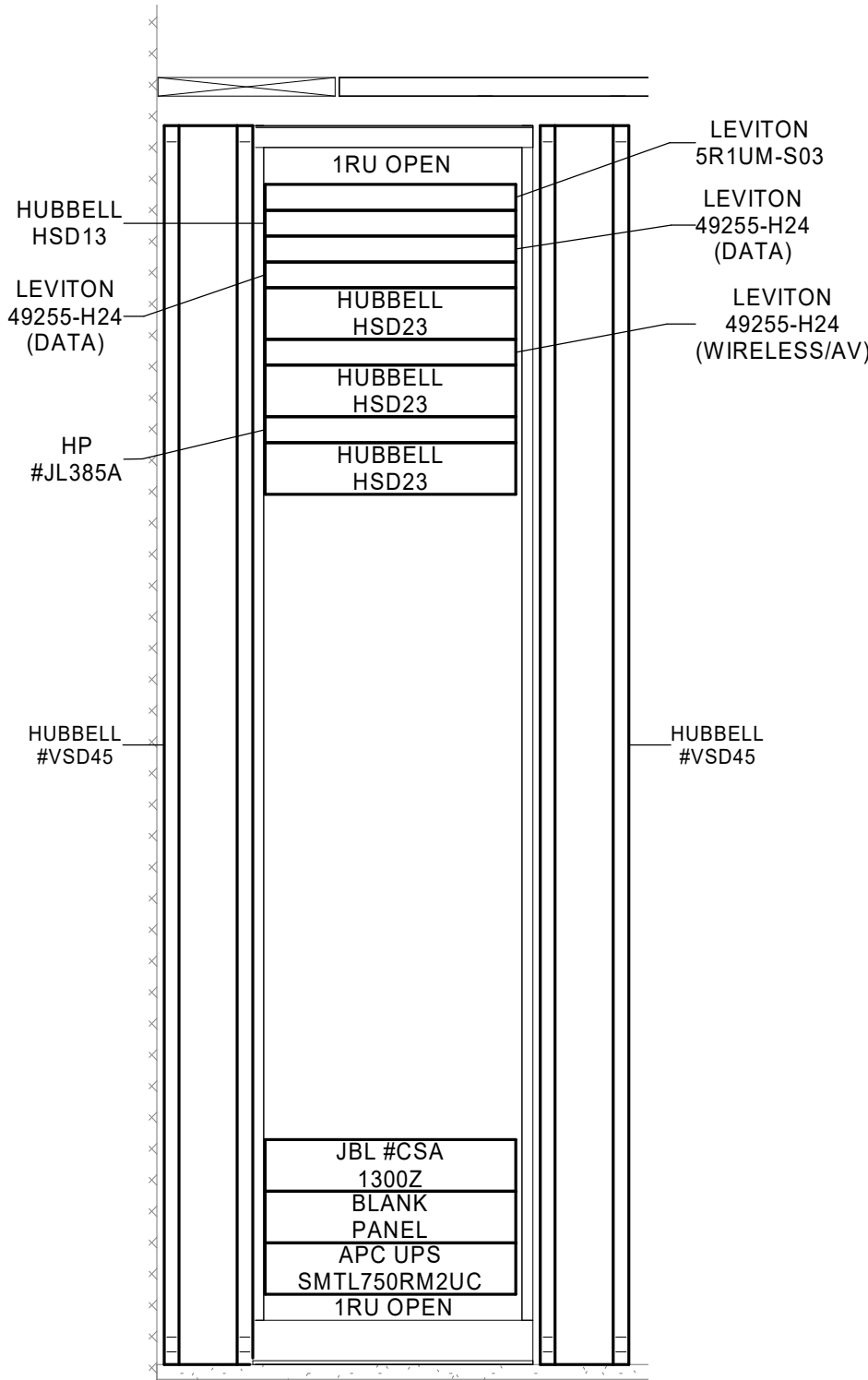
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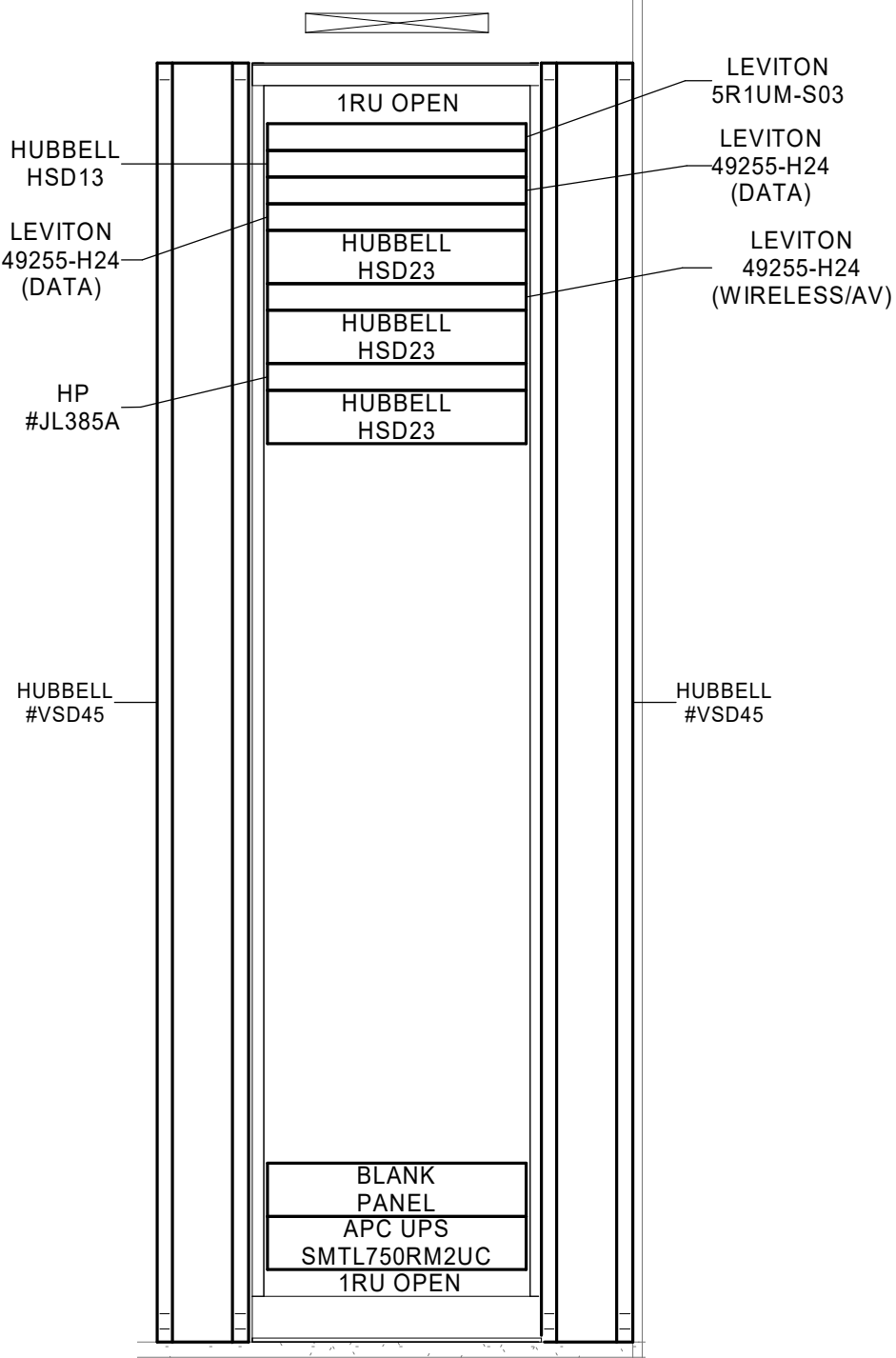
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GENERAL NOTES

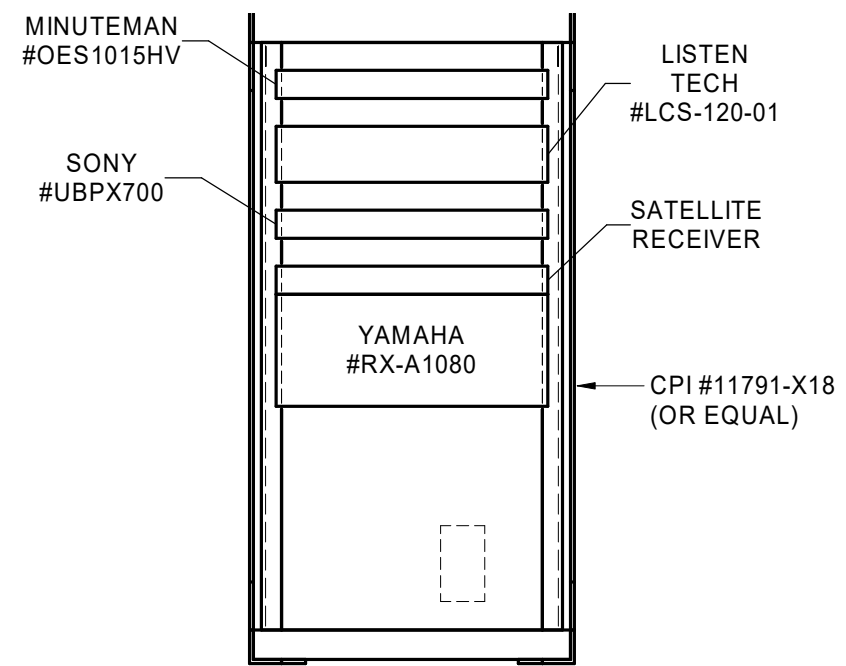
1. WHEN THE OPTION IS AVAILABLE ALL EQUIPMENT SHALL BE RACK MOUNTED REGARDLESS OF THE LISTED PART #. WHEN THERE IS NOT A RACK MOUNT OPTION, PROVIDE A 1RU OR 2RU SHELF AS NEEDED FOR EACH DEVICE. RACK LAYOUTS ARE PROVIDED TO GIVE CLARITY TO THE DESIGN. FINAL LAYOUTS SHALL BE DICTATED BY CABLE AND DEVICE QUANTITIES, AVAILABLE SPACE, OWNER PREFERENCE, AND GOOD INSTALLATION PRACTICES.
2. CABLE LADDER TRAY SHALL CONNECT TO EACH TWO AND FOUR POST RACK TO PROVIDE STABILITY FOR THE RACKS. ADJUST TRAY HEIGHT AS NEEDED.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BATTERY BACK-UP SUFFICIENT FOR 15 MIN. OF RUN TIME, REGARDLESS OF WHAT IS INDICATED IN THE DIAGRAMS.



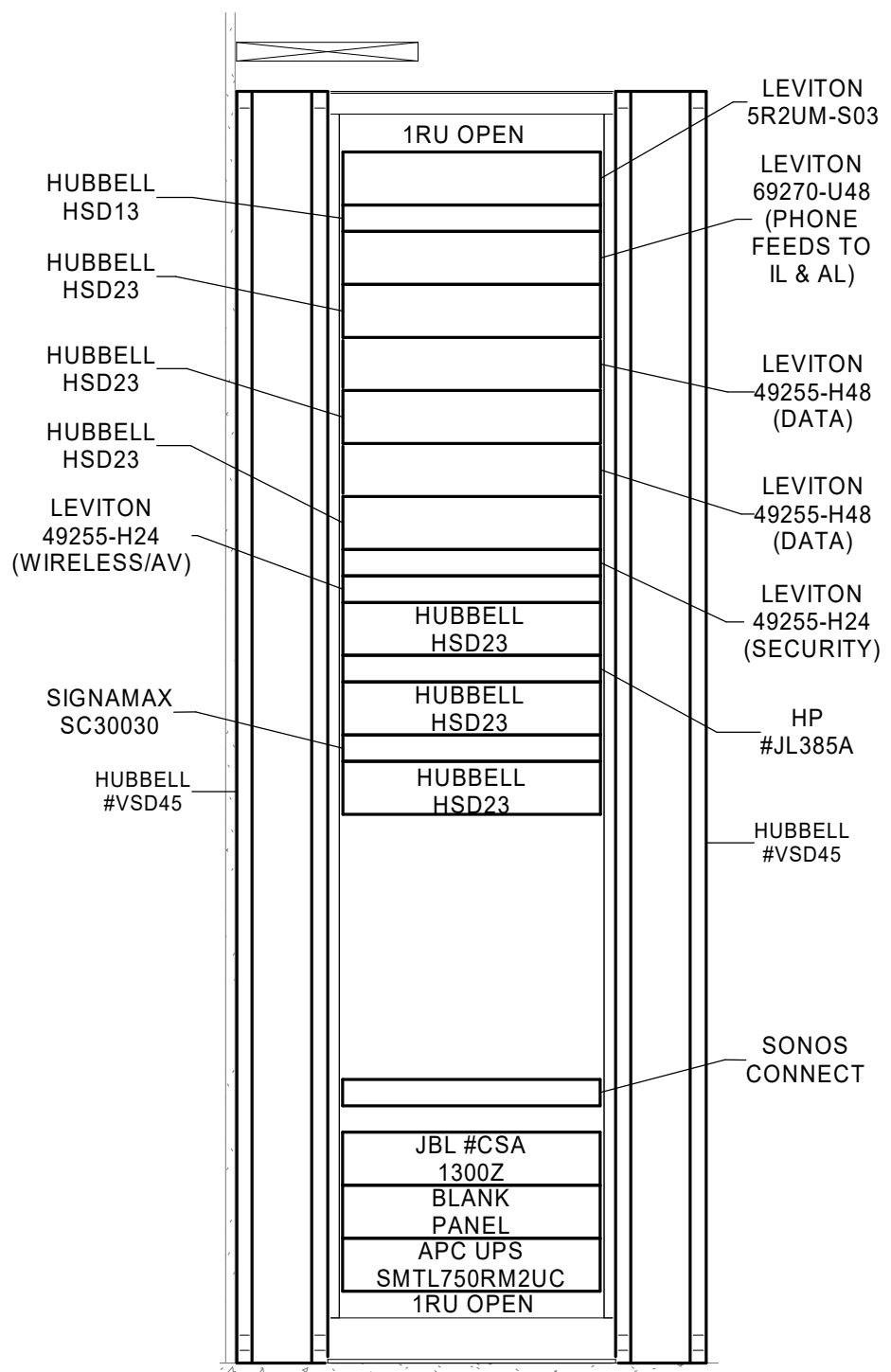
7 RACK DIAGRAM I.T. #2046 AND #3046
SCALE: NONE



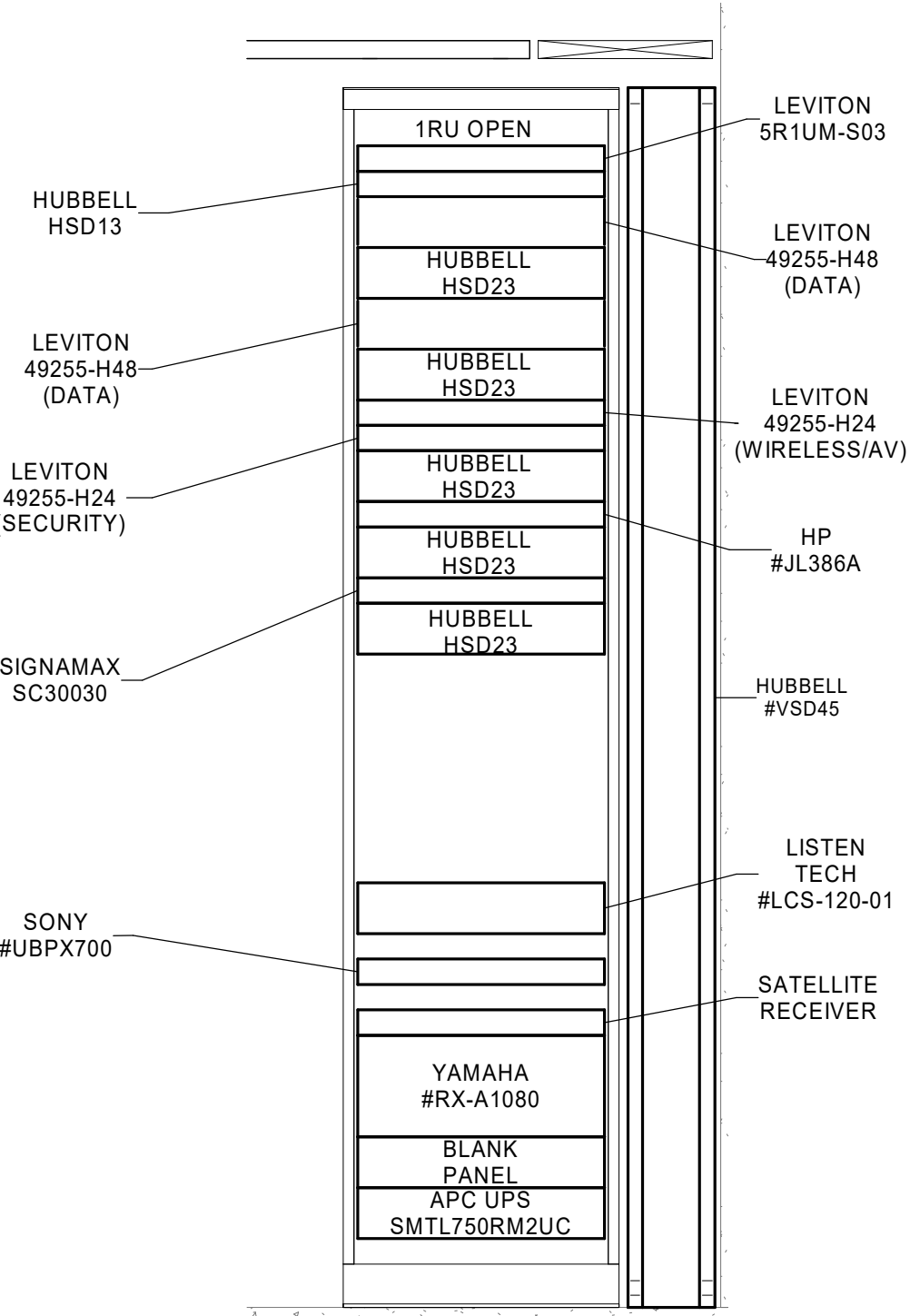
6 RACK DIAGRAM I.T. #2041 AND I.T. #3037
SCALE: NONE



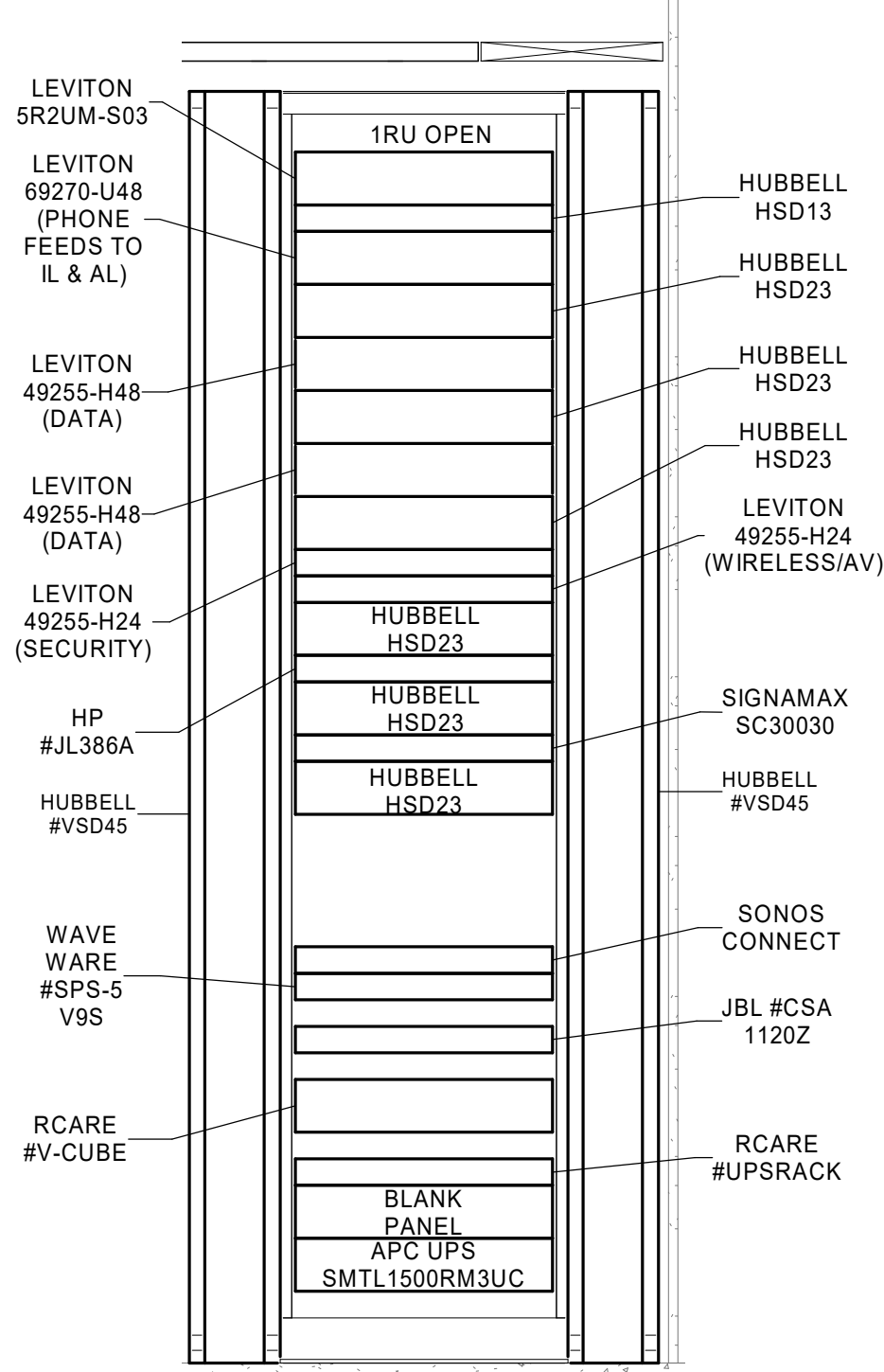
5 RACK DIAGRAM ROOM #1037 AND #3040
SCALE: NONE



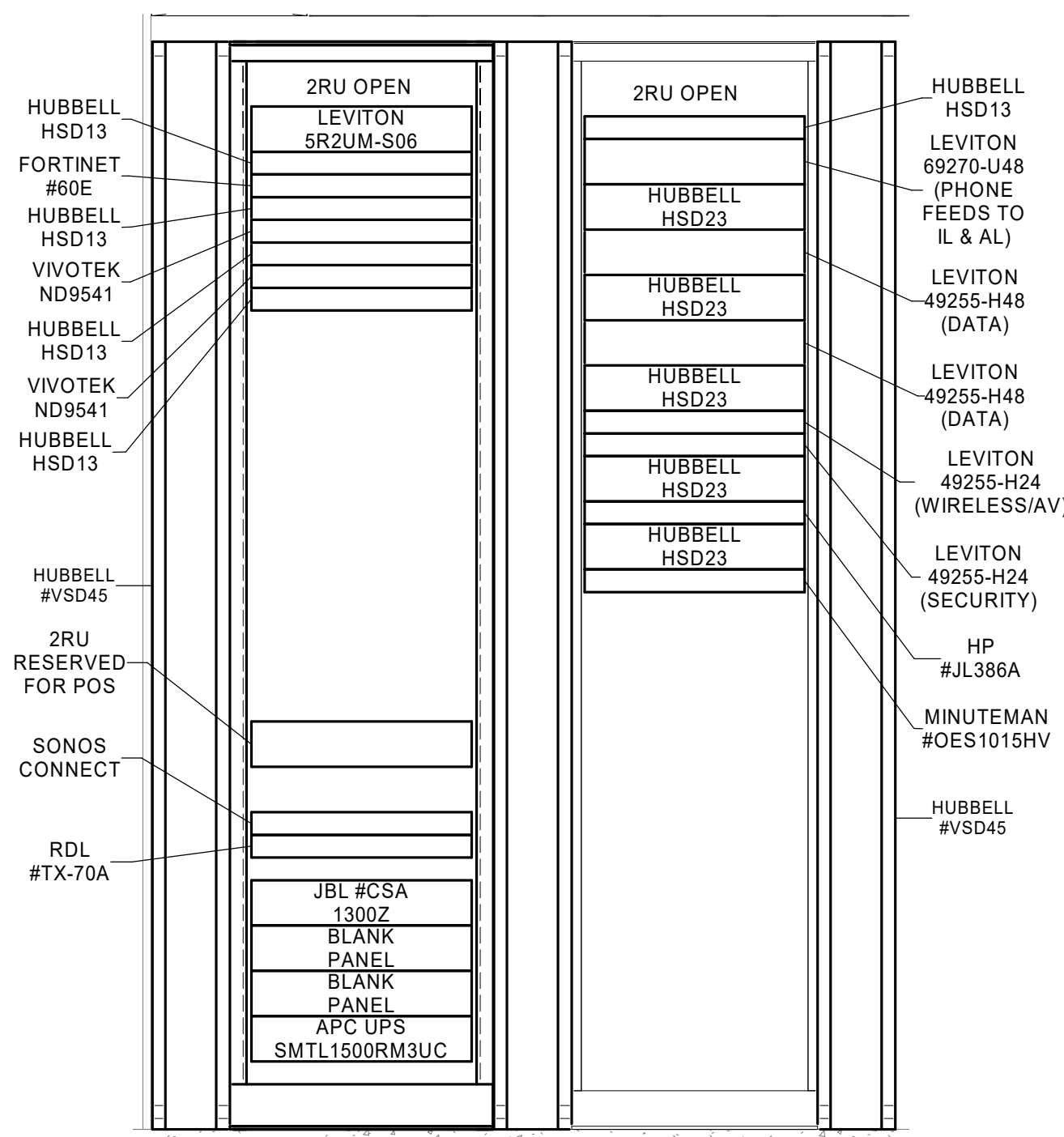
4 RACK DIAGRAM FOR I.T. #170
SCALE: NONE



3 RACK DIAGRAM FOR AV#157A
SCALE: NONE

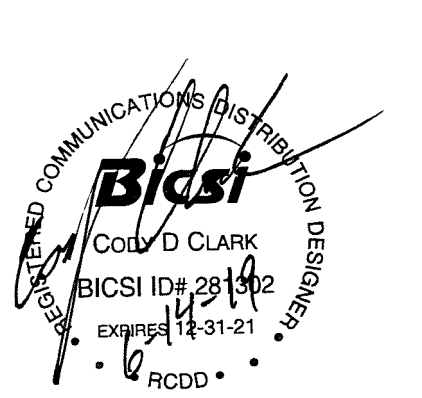


2 RACK DIAGRAM FOR I.T. #30
SCALE: NONE



1 RACK DIAGRAM FOR I.T. #1058
SCALE: NONE

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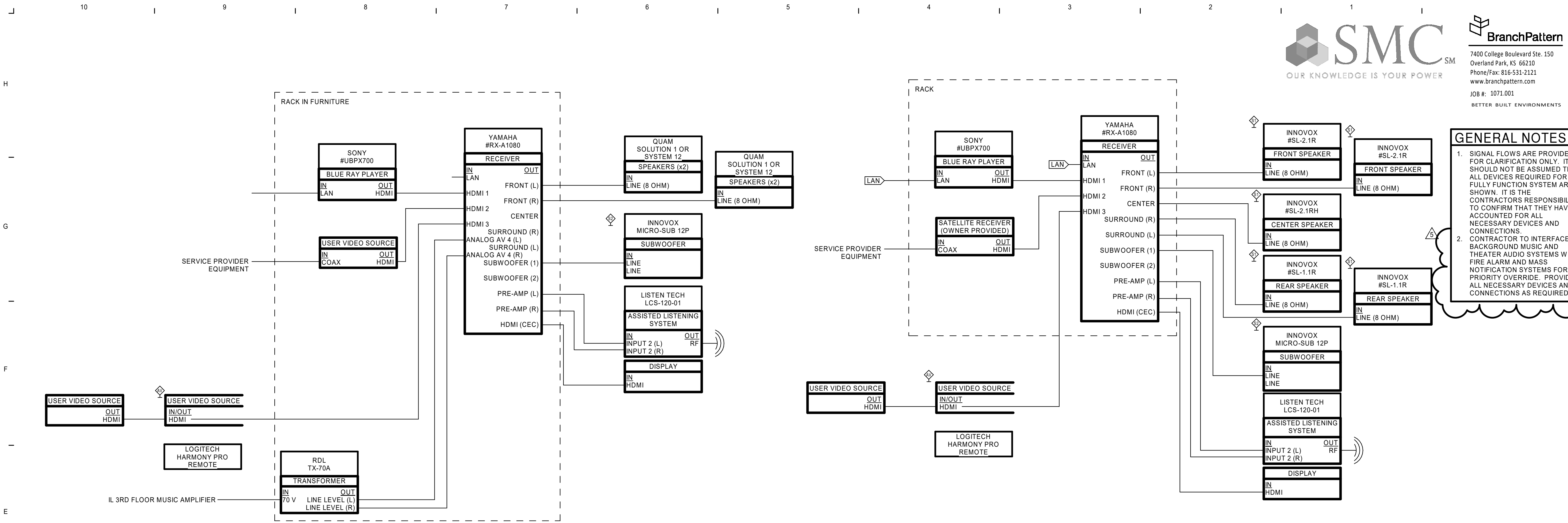
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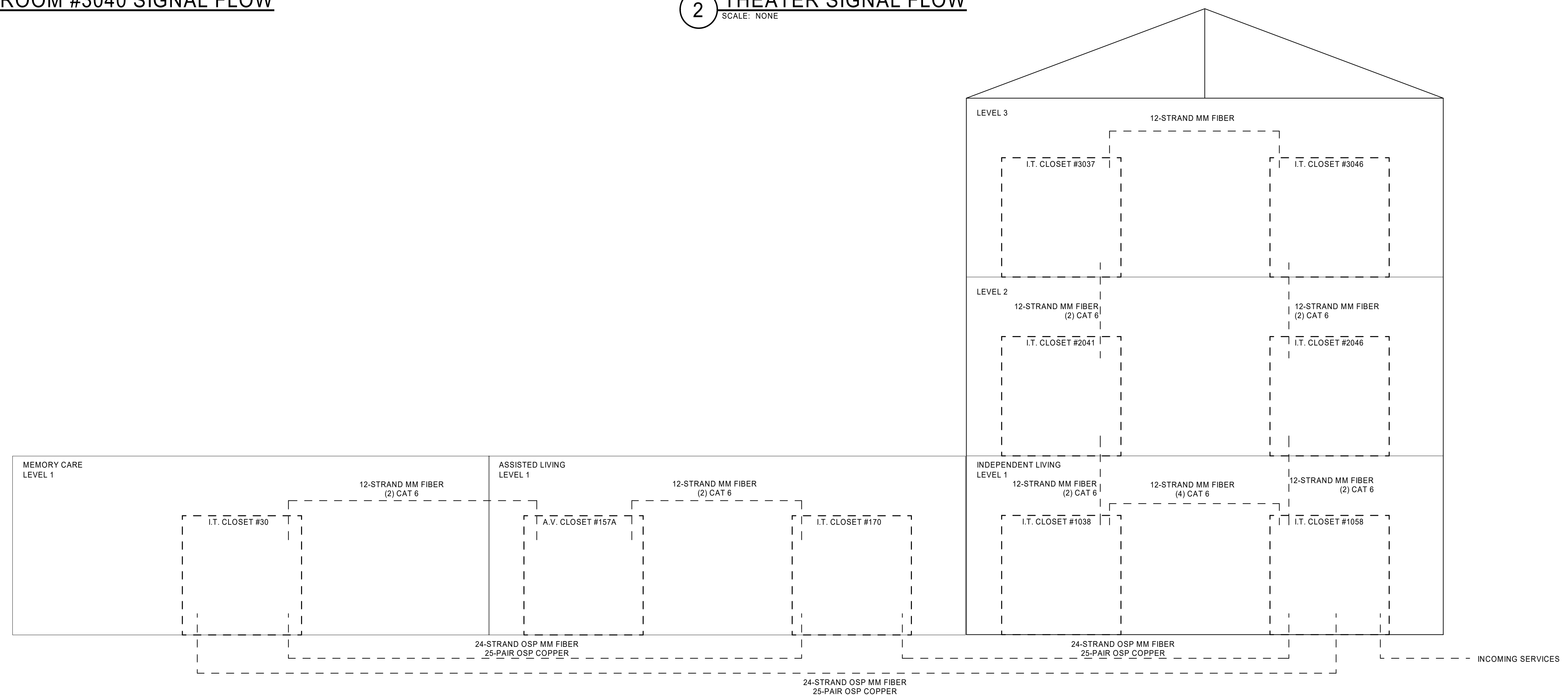
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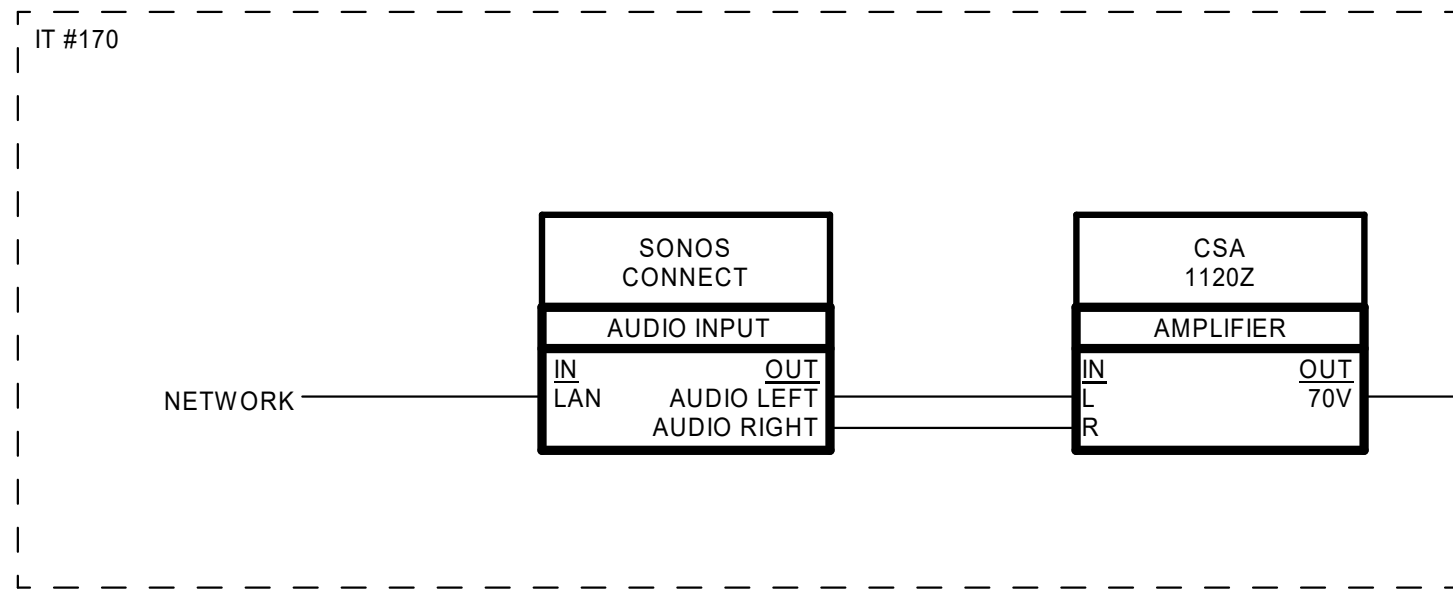
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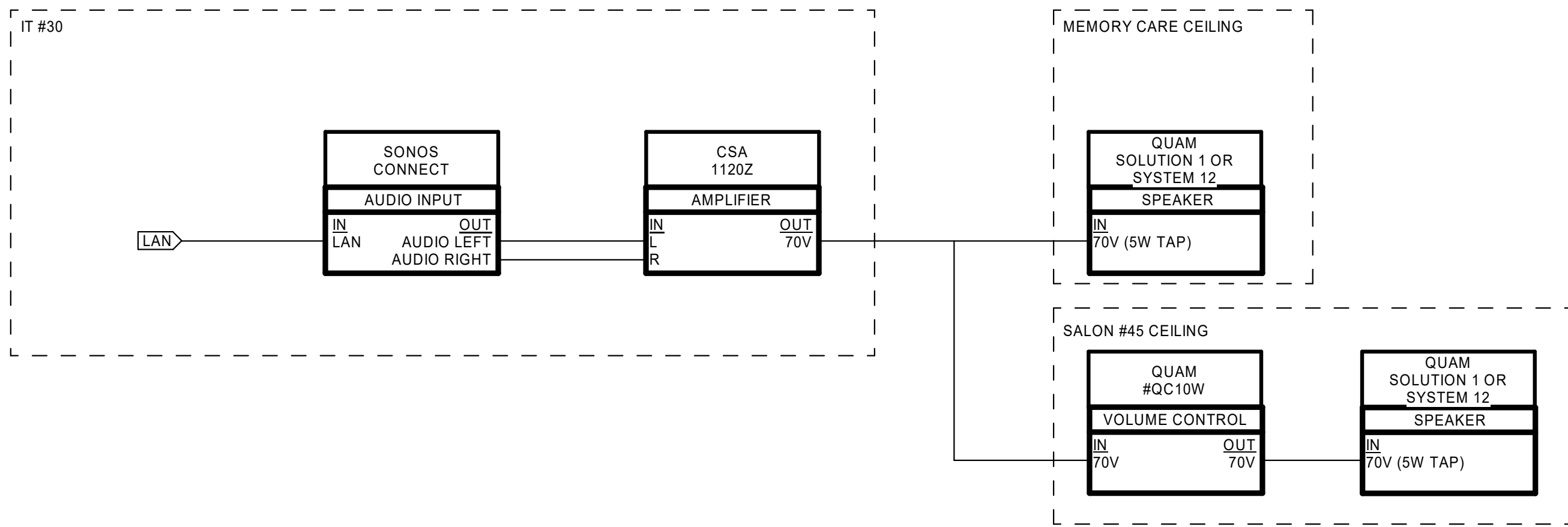
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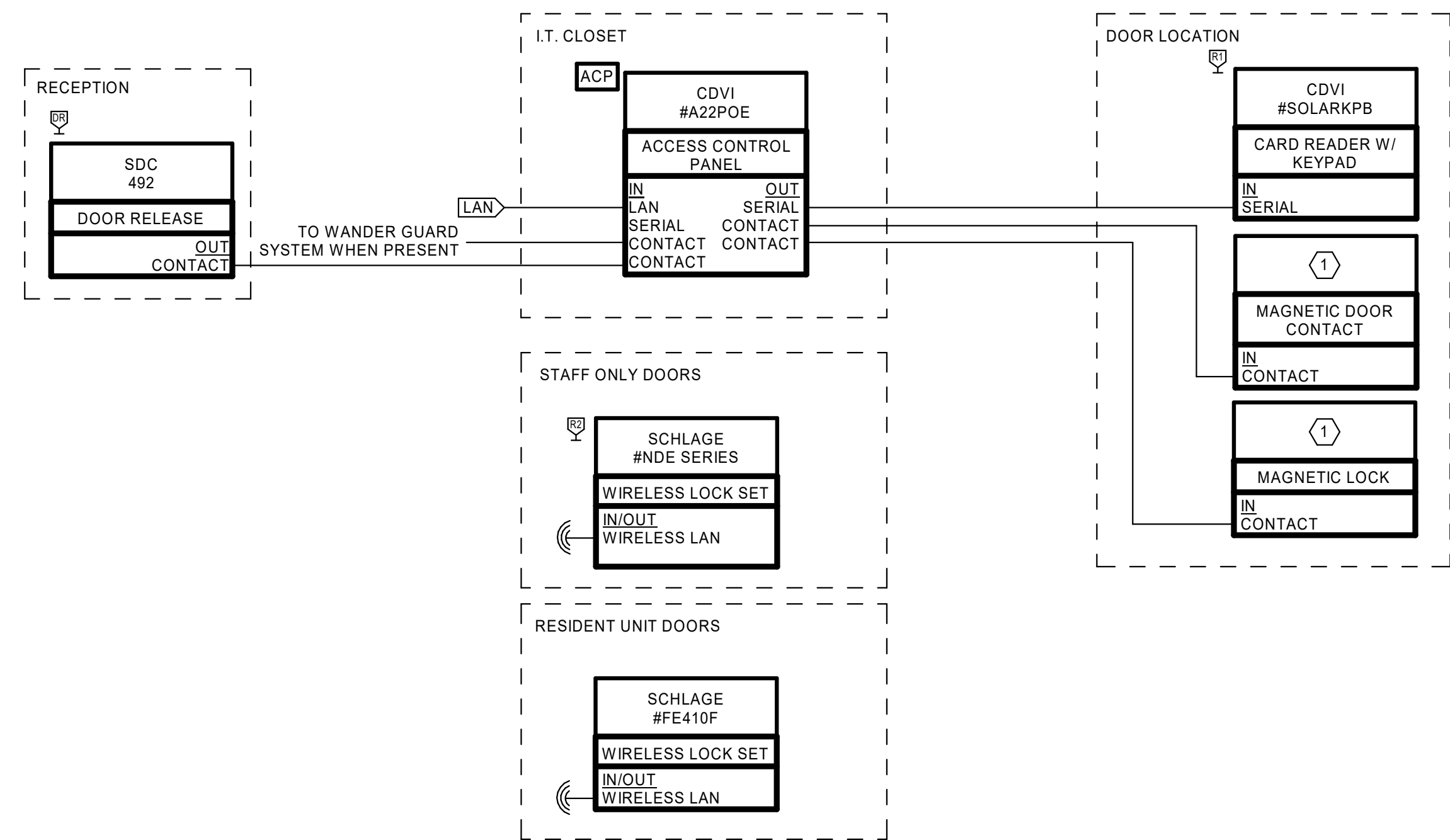
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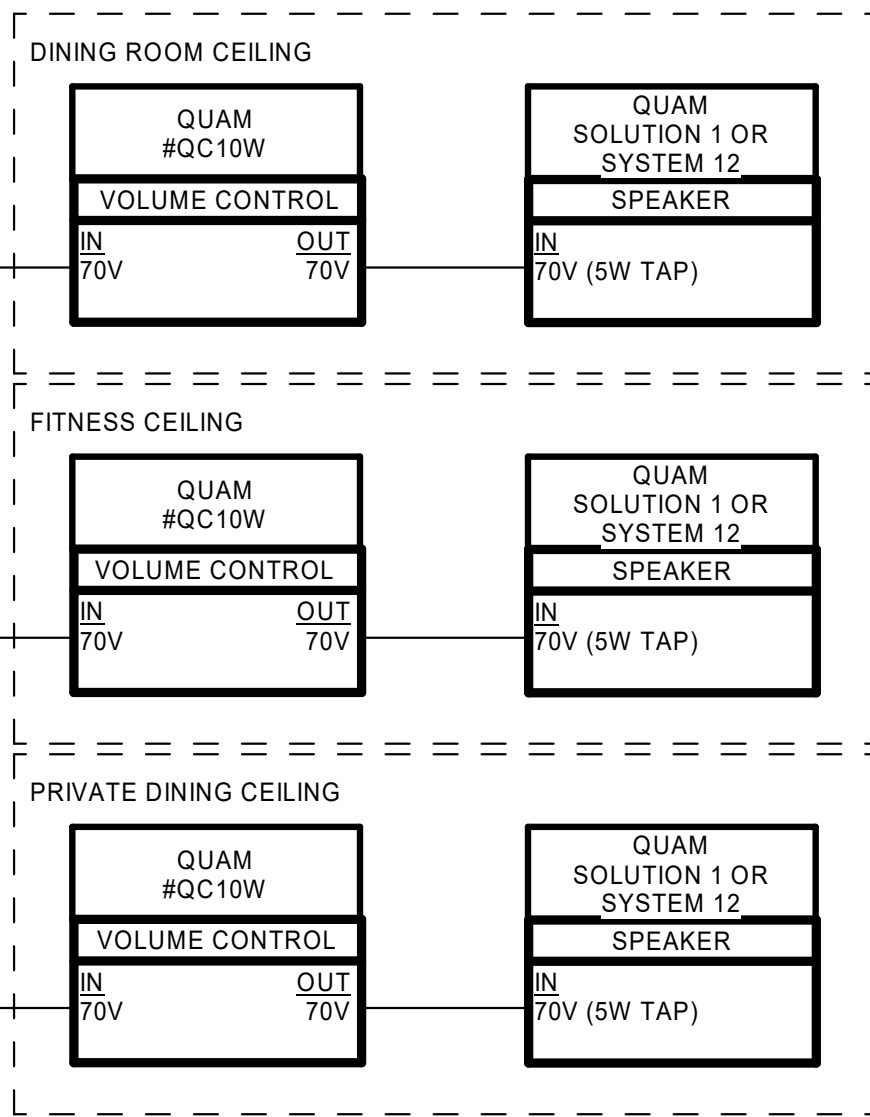
5 ASSISTED LIVING SPEAKER SYSTEM
SCALE: NONE



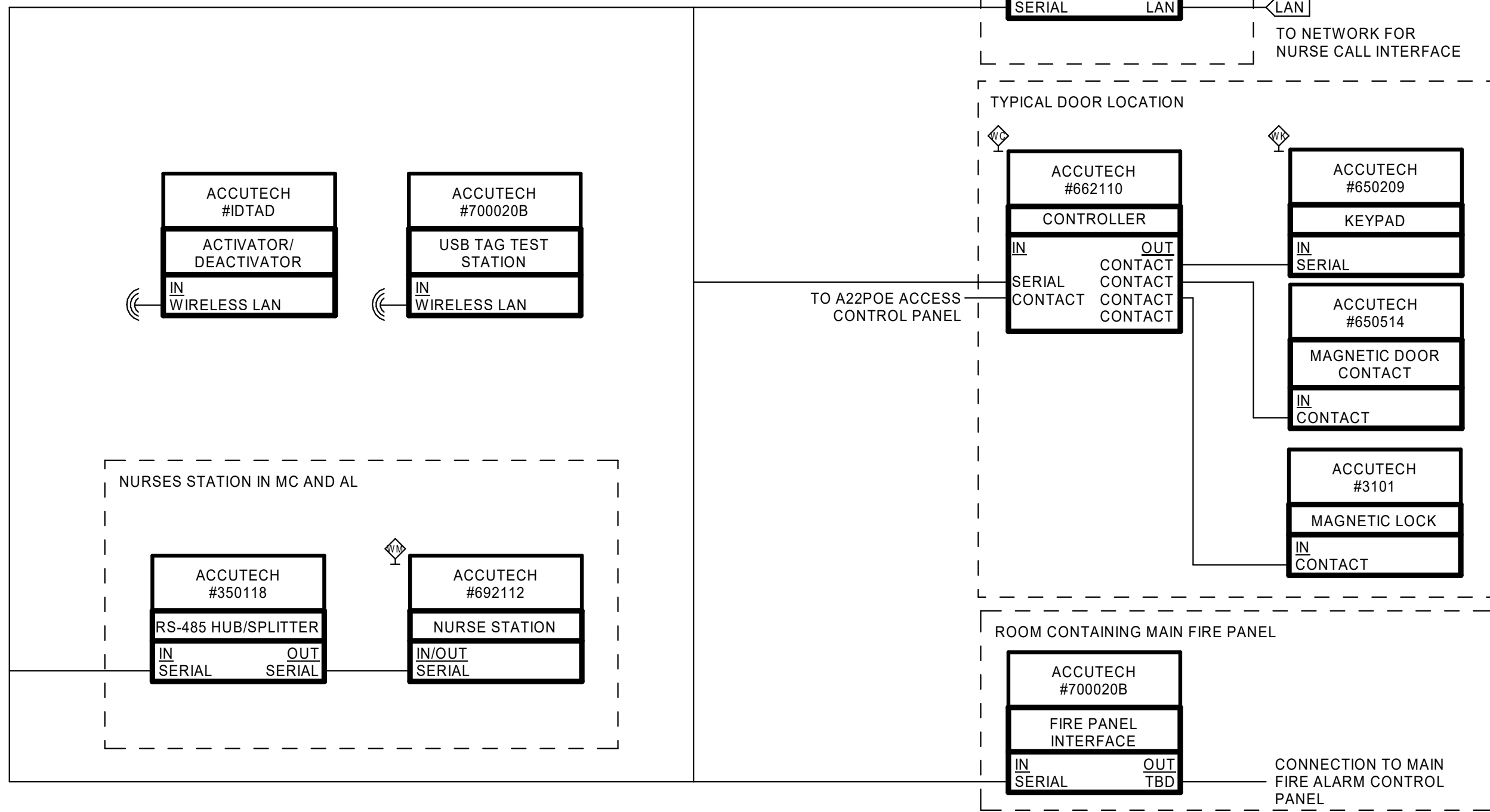
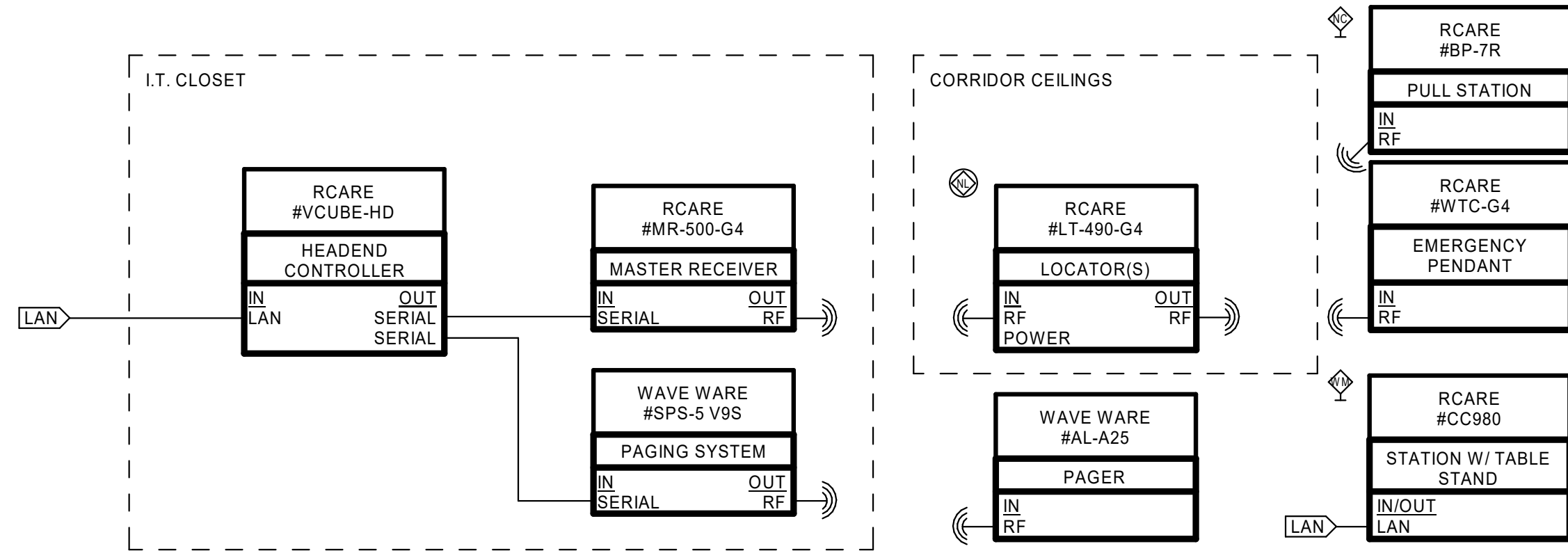
4 MEMORY CARE SPEAKER SYSTEM
SCALE: NONE



2 ACCESS CONTROL SYSTEM
SCALE: NONE



3 NURSE CALL SYSTEM
SCALE: NONE



1 WANDER GUARD SYSTEM
SCALE: NONE



GENERAL NOTES

1. SIGNAL FLOWS ARE PROVIDED FOR CLARIFICATION ONLY. IT SHOULD NOT BE ASSUMED THAT ALL DEVICES REQUIRED FOR A FULLY FUNCTION SYSTEM ARE SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM THAT THEY HAVE ACCOUNTED FOR ALL NECESSARY DEVICES AND CONNECTIONS.
2. CONTRACTOR TO INTERFACE BACKGROUND MUSIC AND THEATER AUDIO SYSTEMS WITH FIRE ALARM AND MASS NOTIFICATION SYSTEMS FOR PRIORITY OVERRIDE. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.

KEY NOTES (THIS SHEET)

1. DOOR HARDWARE IS SHOWN AS AN EXAMPLE OF A TYPICAL DOOR SETUP. REFER TO DIVISION #08 SPECIFICATIONS AND DRAWING DOOR SCHEDULES FOR DETAILS.



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2. CONTRACTOR TO INTERFACE BACKGROUND MUSIC AND THEATER AUDIO SYSTEMS WITH FIRE ALARM AND MASS NOTIFICATION SYSTEMS FOR PRIORITY OVERRIDE. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.



1 INDEPENDENT LIVING SPEAKER SYSTEM

SCALE: NONE

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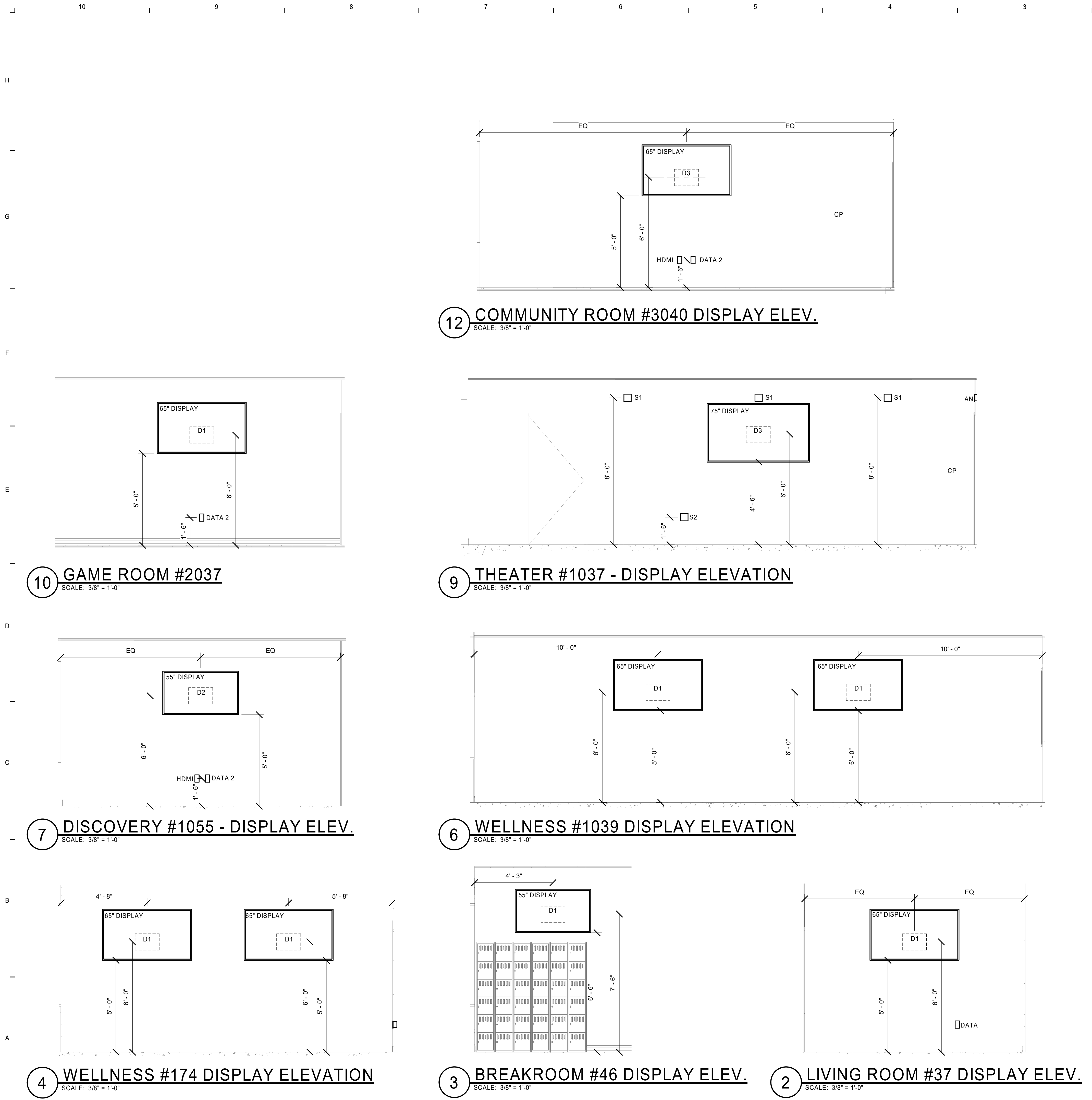
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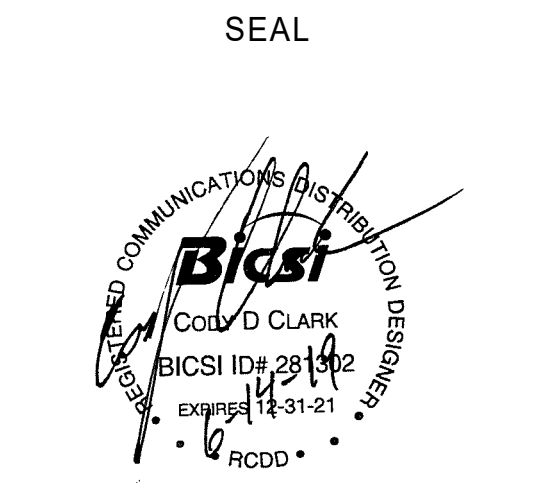
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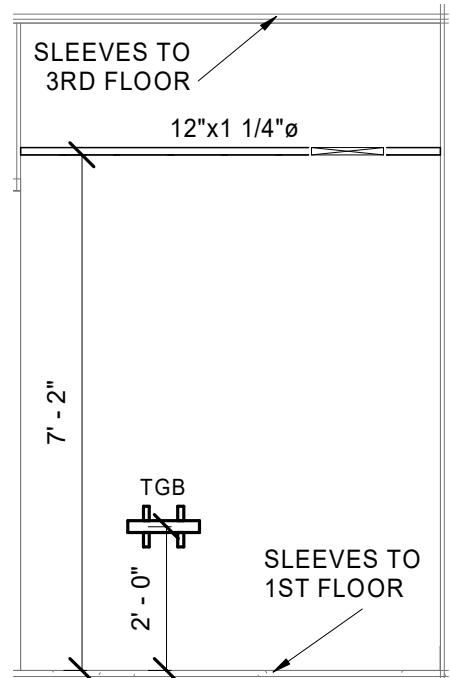
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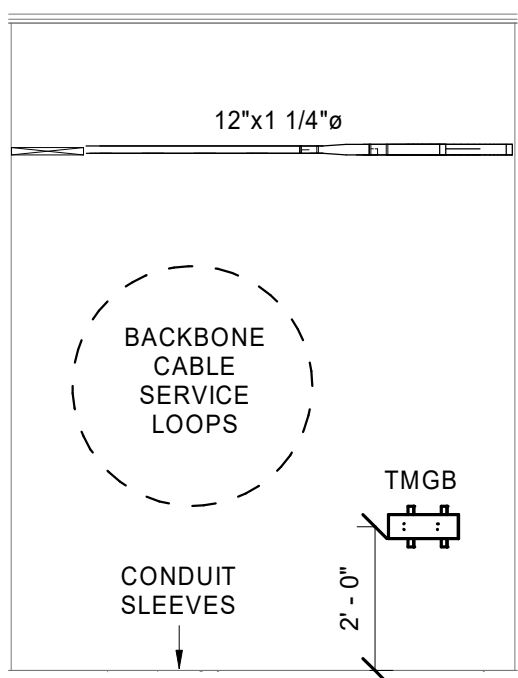
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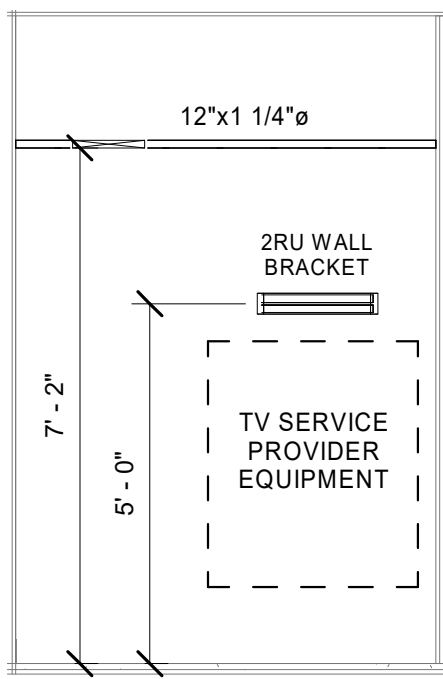
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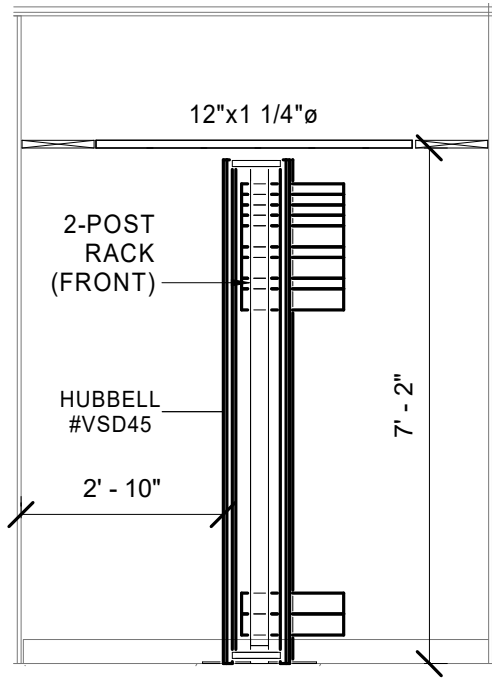
14 I.T. #2041 - NORTH ELEV.
SCALE: 3/8" = 1'-0"



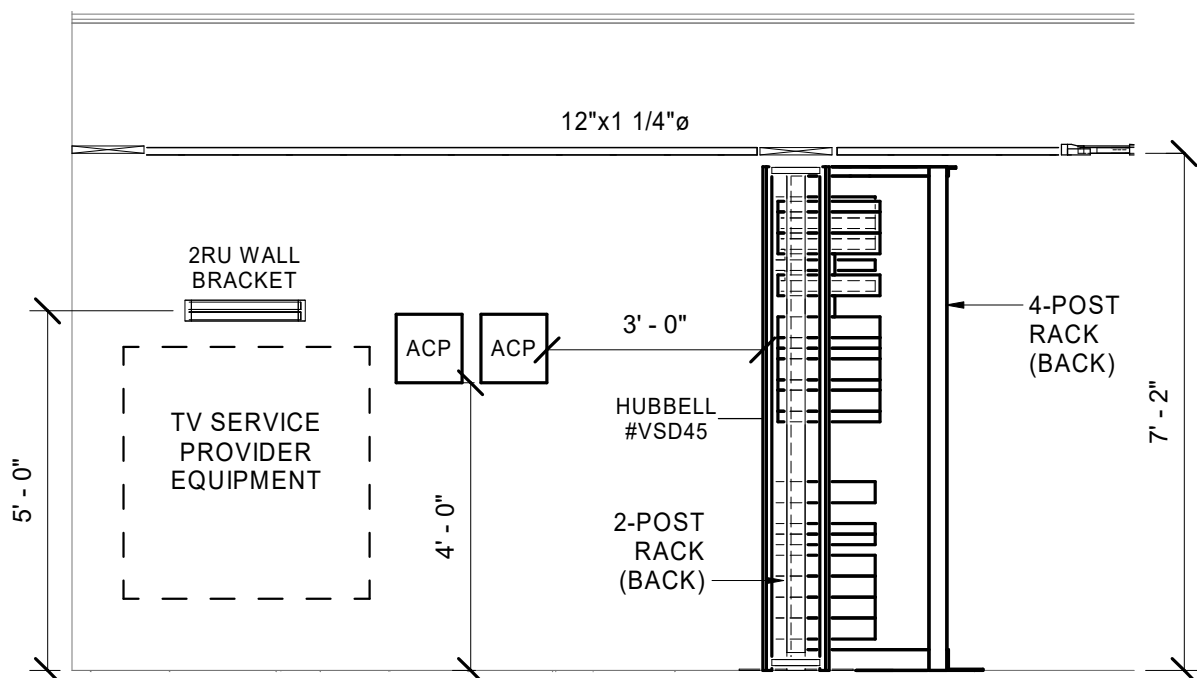
13 I.T. #1058 - EAST ELEV.
SCALE: 3/8" = 1'-0"



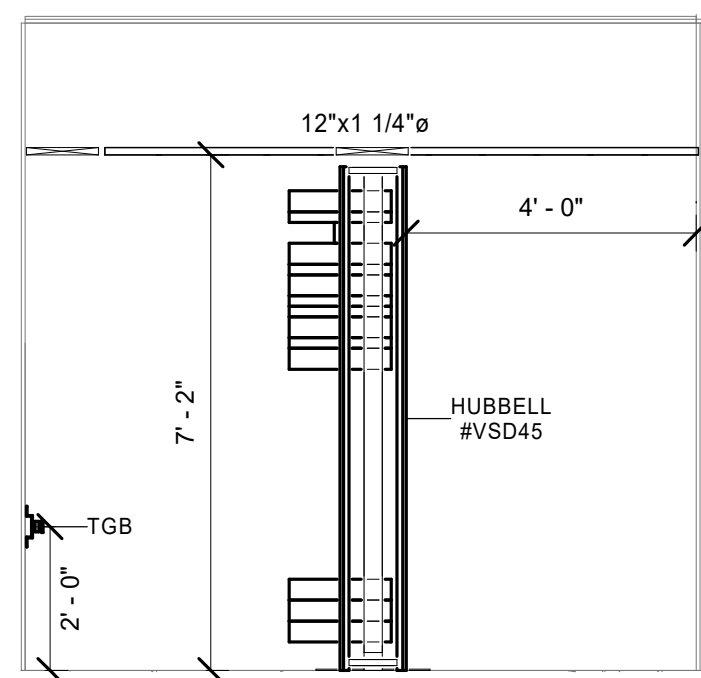
16 I.T. #2041 - SOUTH ELEV.
SCALE: 3/8" = 1'-0"



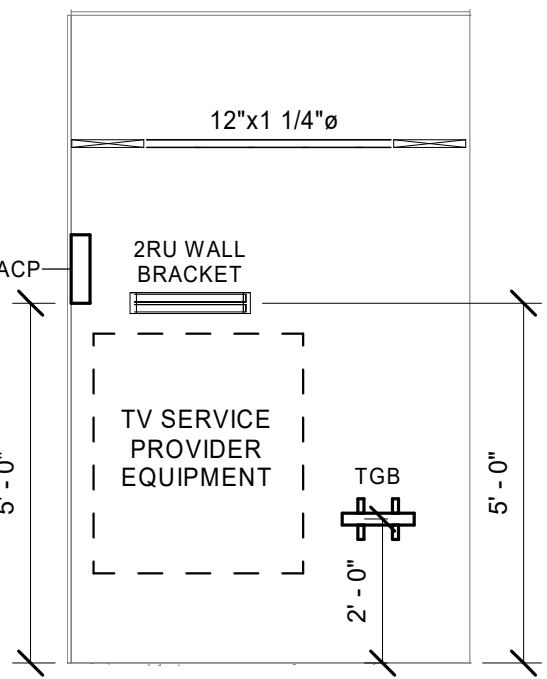
15 I.T. #2041 - EAST ELEV.
SCALE: 3/8" = 1'-0"



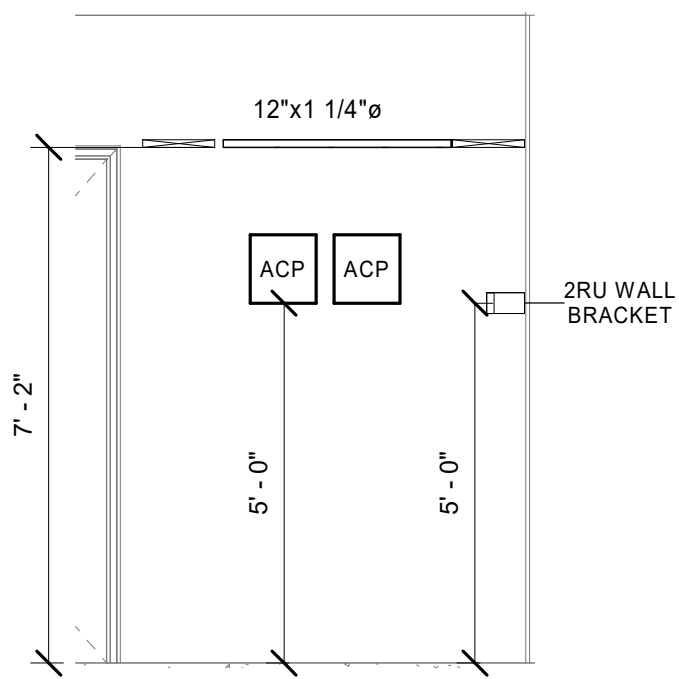
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SCALE: 3/8" = 1'-0"



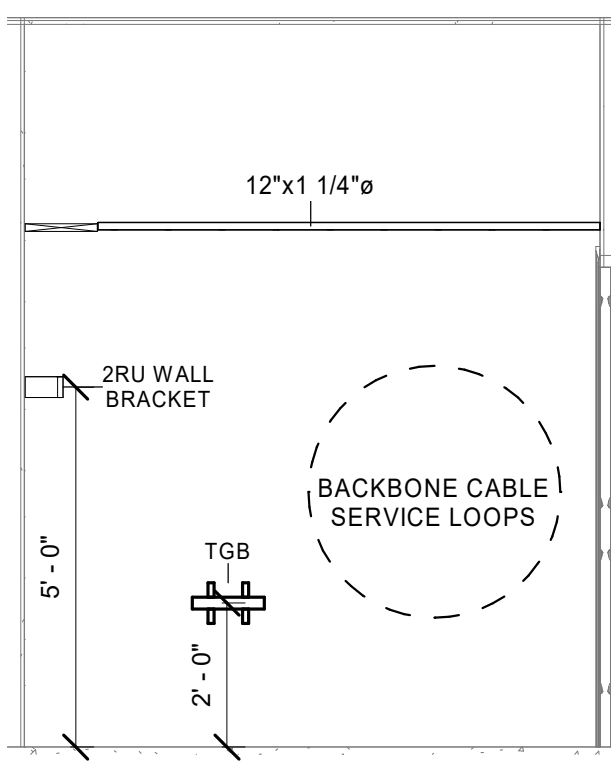
11 I.T. #1038 - SOUTH ELEV.
SCALE: 3/8" = 1'-0"



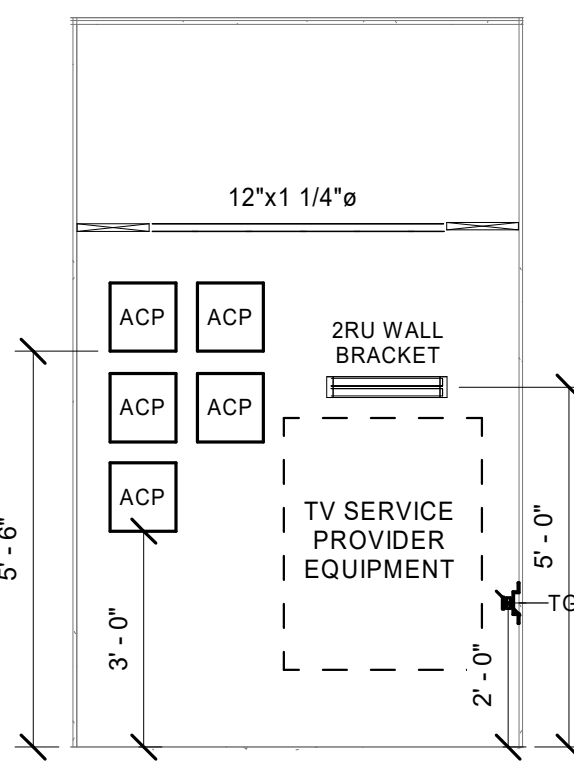
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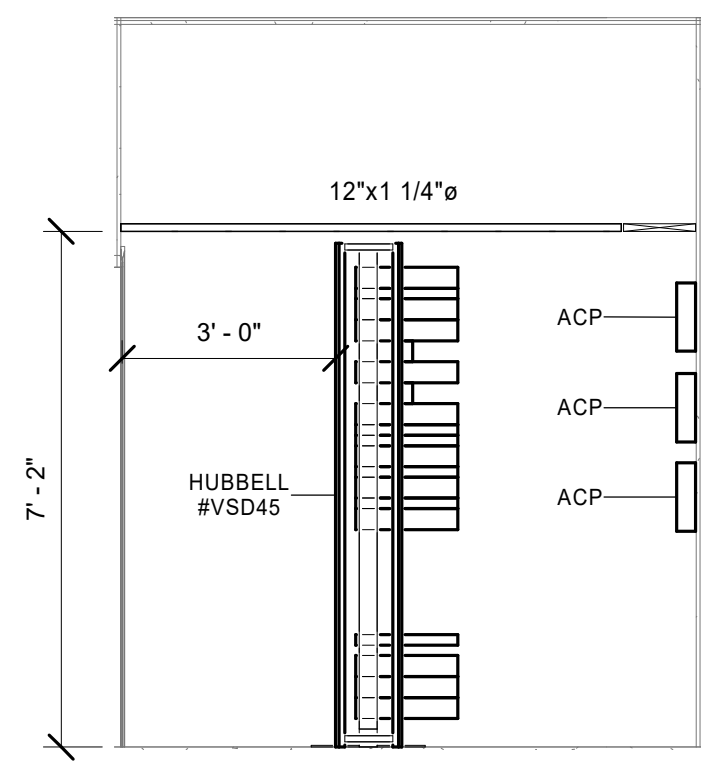
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SCALE: 3/8" = 1'-0"



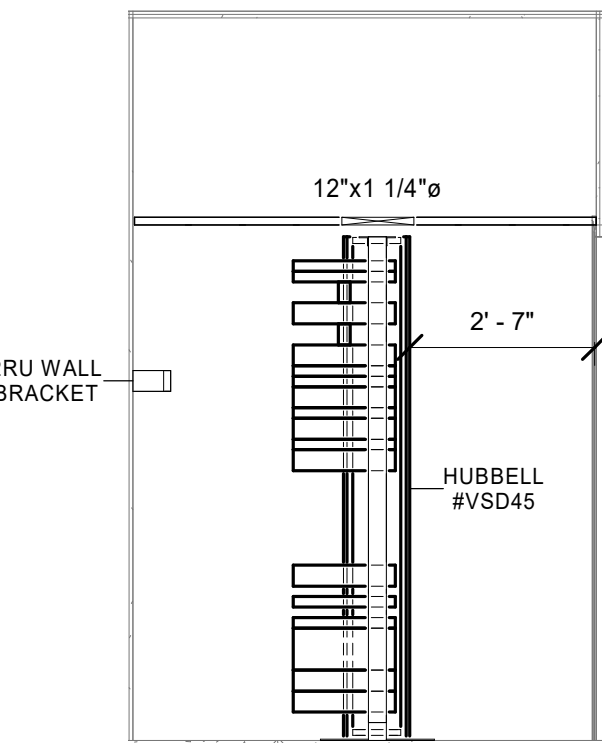
8 I.T. #170 - SOUTH ELEV.
SCALE: 3/8" = 1'-0"



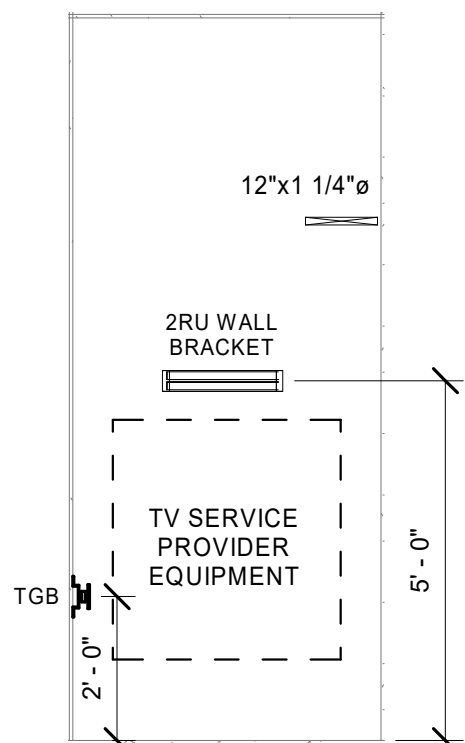
7 I.T. #170 - EAST ELEV.
SCALE: 3/8" = 1'-0"



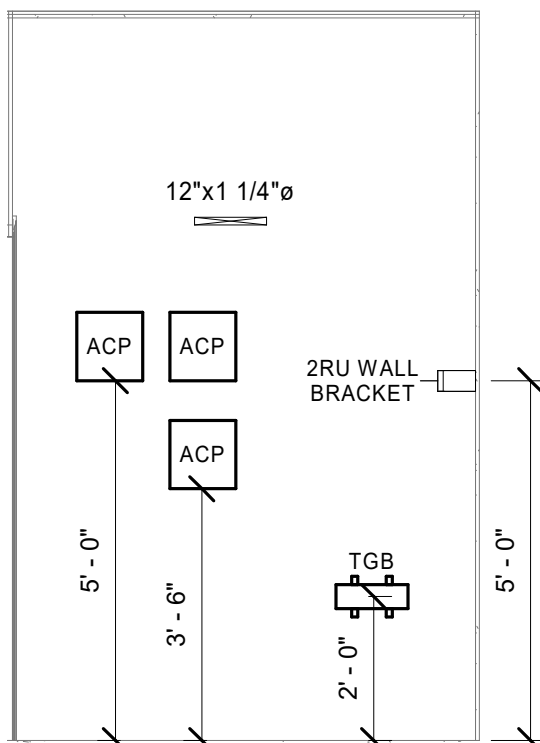
6 I.T. #170 - NORTH ELEV.
SCALE: 3/8" = 1'-0"



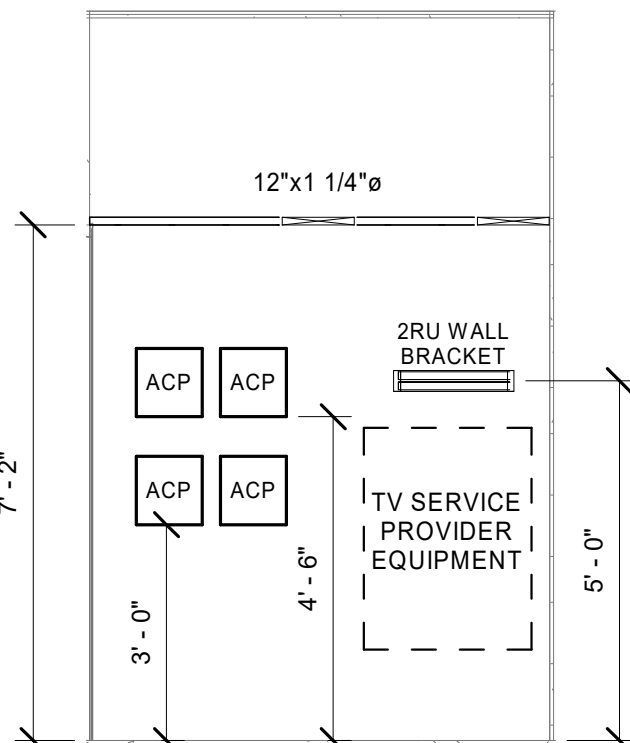
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SCALE: 3/8" = 1'-0"



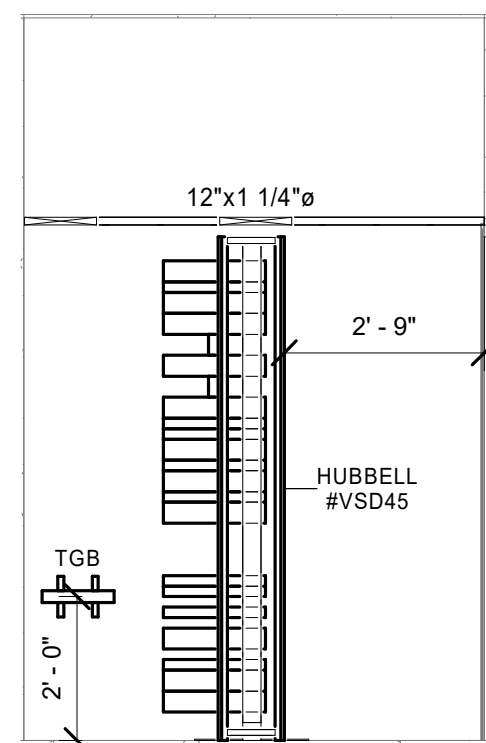
4 AV #157A - SOUTH ELEV.
SCALE: 3/8" = 1'-0"



3 AV #157A - EAST ELEV.
SCALE: 3/8" = 1'-0"



2 I.T. #70 - WEST ELEV.
SCALE: 3/8" = 1'-0"



1 I.T. #30 - EAST ELEV.
SCALE: 3/8" = 1'-0"



GENERAL NOTES

1. ALL I.T. ROOM WALLS SHALL HAVE 3/4" TREATED PLYWOOD INSTALLED TO 8FT AFF. AT MINIMUM INSTALL PLYWOOD ON WALLS IN ALL AREAS WHERE COMMUNICATIONS EQUIPMENT IS SHOWN AS BEING INSTALLED.
2. COORDINATE FINAL DEVICE PLACEMENT WITH ALL TRADES, USING THE SHOWN LOCATIONS AS GUIDELINES.

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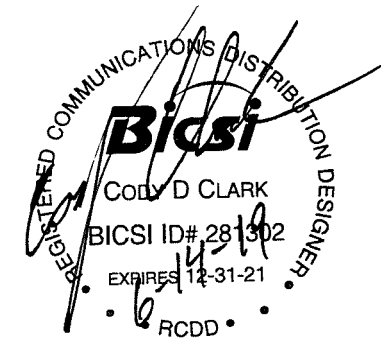
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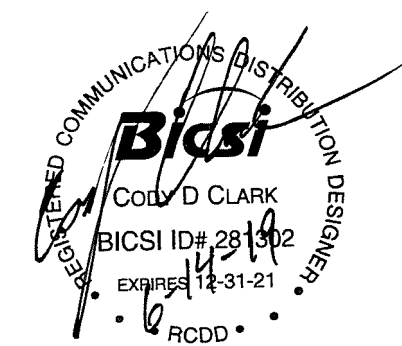
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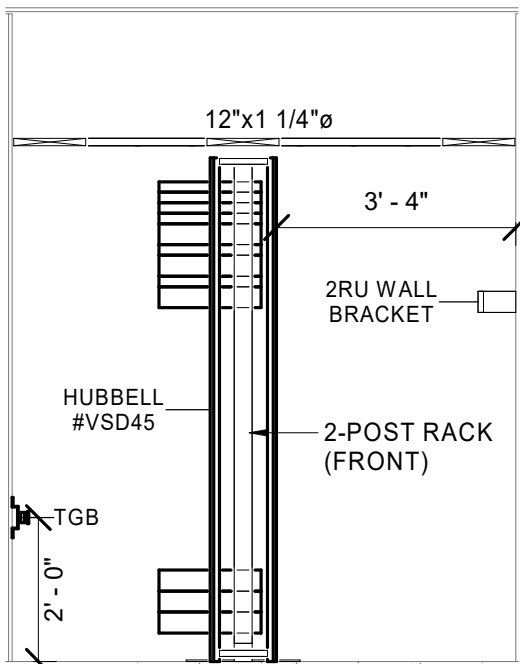
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	DESCRIPTION	

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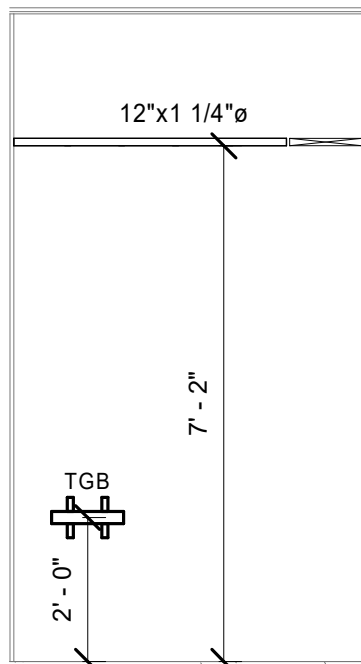
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T6.3

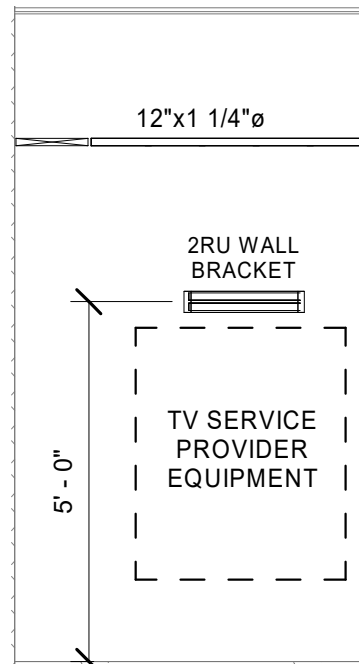
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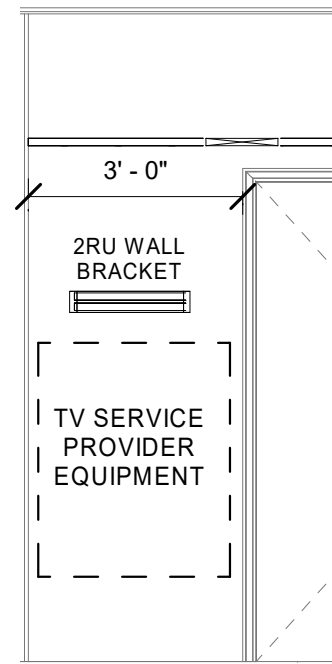
9 I.T. #3046 - WEST ELEV.
SCALE: 3/8" = 1'-0"



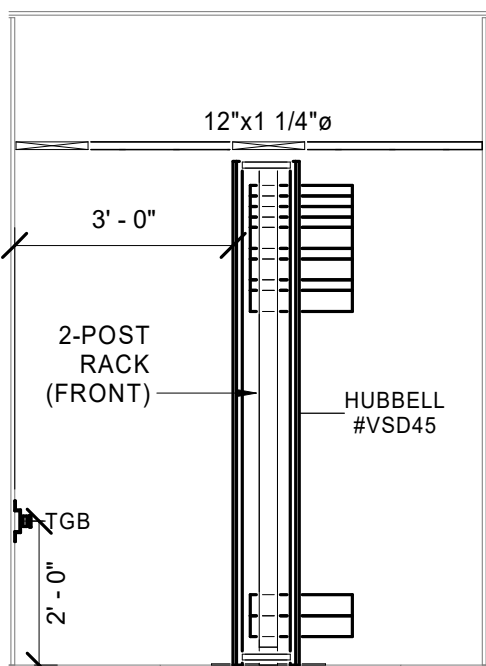
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SCALE: 3/8" = 1'-0"



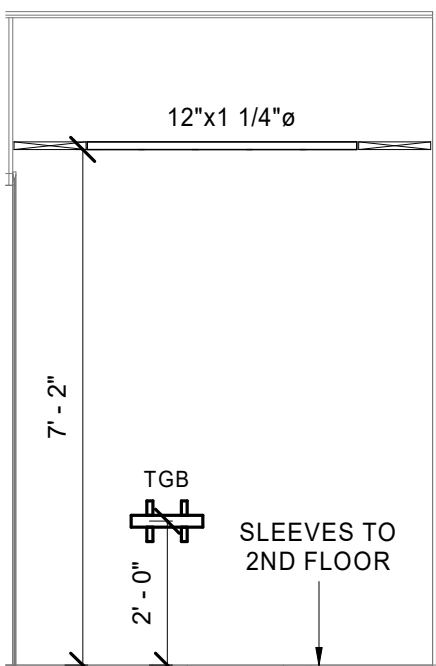
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SCALE: 3/8" = 1'-0"



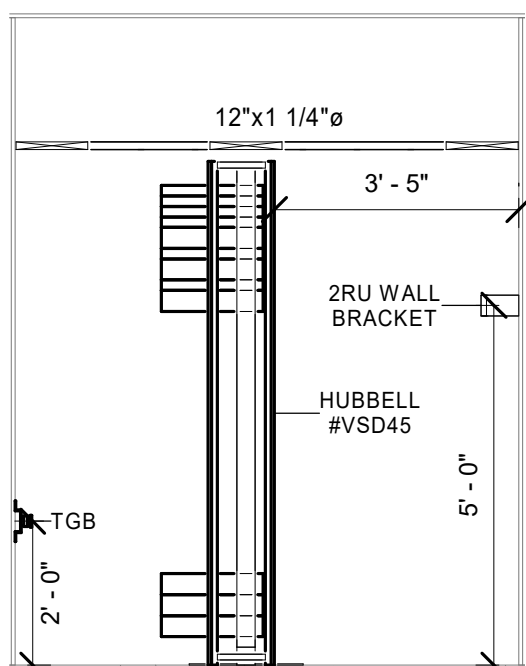
6 I.T. #3037 - WEST ELEV.
SCALE: 3/8" = 1'-0"



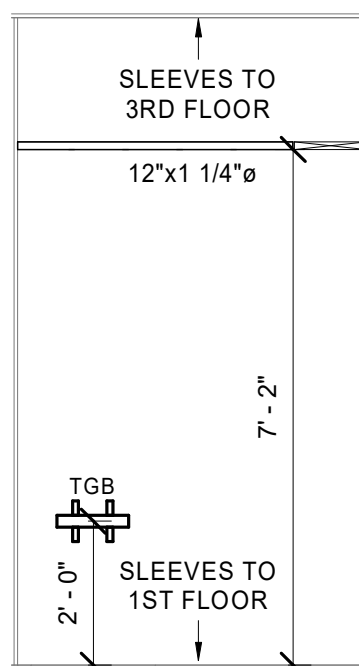
5 I.T. #3037 - EAST ELEV.
SCALE: 3/8" = 1'-0"



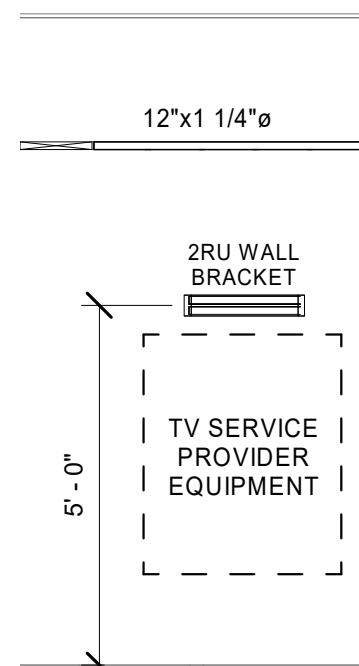
4 I.T. #3037 - NORTH ELEV.
SCALE: 3/8" = 1'-0"



3 I.T. #2046 - WEST ELEV.
SCALE: 3/8" = 1'-0"



2 I.T. #2046 - SOUTH ELEV.
SCALE: 3/8" = 1'-0"



1 I.T. #2046 - NORTH ELEV.
SCALE: 3/8" = 1'-0"