TECHNOLOGY ABBREVIATIONS

GENERAL

_____ A _____	
&	AND
+18"	MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE ABOVE FINISHED FLOOR OR FINISHED GRADE
@	AT
AC	ALTERNATING CURRENT
ACT	ACOUSTIC CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECT OR ARCHITECTURAL
AV	AUDIOVISUAL
AVC	AUDIOVISUAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE
_____ B _____	
B	BURIED
BD	BLACK DROP
BET	BUILDING ENTRANCE TERMINAL
BLDG	BUILDING
BLKG	BLOCKING
_____ C _____	
C	CONDUIT
CA	CABLE
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TLEVISION
CD	CASE DEPTH
CH	CASE HEIGHT
CL	CENTER LINE
CLG	CEILING
CR	CREDENZA
CW	CASE WIDTH
_____ D _____	
DWG	DRAWING
_____ E _____	
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRIC METALLIC TUBING
EQUIP	EQUIPMENT
EST	ESTIMATE
EXIST, (E)	EXISTING
_____ F _____	
FACP	FIRE ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FPD	FLAT PANEL DISPLAY
_____ G _____	
GC	GENERAL CONTRATOR
_____ H _____	
HH	HANDHOLE
_____ I _____	
IH	IMAGE HEIGHT
IHAF	BOTTOM OF IMAGE HEIGHT ABOVE FINISHED FLOOR
IO	INPUT/OUTPUT
IW	IMAGE WIDTH
_____ J _____	
JB	JUNCTION BOX
_____ K _____	
KO	KNOCK OUT
_____ L _____	
LV	LOW VOLTAGE
_____ M _____	
M, MIC	MICROPHONE
MAX	MAXIMUM
MFR	MANUFACTURE
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
_____ N _____	
NA	NOT APPLICABLE
NEC	NETWORK ELECTRONICS CONTRACTOR
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
_____ O _____	
O	OWNER
OC	ON CENTER
OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OTHER INSTALLED
OH	OVERHEAD
_____ P _____	
PLYWD	PLYWOOD
_____ Q _____	
QTY	QUANTITY
_____ R _____	
RCP	REFLECTED CEILING PLAN
REF	REFER / REFERENCE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RHAFF	BOTTOM OF ROLLER HOUSING ABOVE FINISHED FLOOR
RM	ROOM
_____ S _____	
SCC	STRUCTURED CABLE CONTRACTOR
_____ T _____	
TYP	TYPICAL
_____ U _____	
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED-PAIR
_____ V _____	
VIF	VERIFY IN FIELD
_____ W _____	
W/	WITH
W/O	WITHOUT
WP	WATERPROOF(ING)
_____ X _____	
XP	EXPLOSION PROOF

TECHNOLOGY SPECIFIC

J#	AV JUNCTION BOX	F#(P#)	FLOOR BOX W/ AV AND POWER
N#	TELECOM JUNCTION BOX	F#(N#,P#)	FLOOR BOX W/ AV, TELECOM AND POWER
P#	POWER OUTLET	PT#	FLOOR POKE-THRU DEVICE
J#(N#)	JUNCTION BOX W/ AV AND TELECOM	PT#(N#)	FLOOR POKE-THRU DEVICE W/ TELECOM
J#(P#)	JUNCTION BOX W/ AV AND POWER	PT#(P#)	FLOOR POKE-THRU DEVICE W/ AV AND POWER
J#(N#,P#)	JUNCTION BOX W/ AV, TELECOM AND POWER	PT#(N#,P#)	FLOOR POKE-THRU DEVICE W/ AV, TELECOM AND POWER
F#	FLOOR BOX		
F#(N#)	FLOOR BOX W/ TELECOM	FS#	FLOOR CONDUIT STUB

(JUNCTION BOX "J#" LETTER CODE MAY VARY BY BOX JUNCTION)

TECHNOLOGY SYMBOLS LEGEND

(THIS IS A MASTER LEGEND, NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.)

GENERAL

SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING WORK TO REMAIN
	EXISTING WORK TO BE REMOVED (DEMO)
	BELOW FLOOR OR GRADE
#/T### RISER	CONDUIT RISER - DETAIL # / SHEET #
# T###	CALLOUT SYMBOL - DETAIL # / SHEET #
T### #	ELEVATION SYMBOL - DETAIL # / SHEET #
# T###	SECTION SYMBOL - DETAIL # / SHEET #

TECHNOLOGY TAG DESIGNATIONS

DISPLAY TYPE

NUMBER DESIGNATES THE DISPLAY TYPE

(REFER TO THE DISPLAY TYPE LEGEND FOR MORE INFORMATION)

PROJECTION TYPE

LETTER DESIGNATES THE PROJECTION SCREEN TYPE

(REFER TO THE PROJECTION SCREEN TYPE LEGEND FOR MORE INFORMATION)

TELECOM DESIGNATORS

SYMBOL DESIGNATES FLOOR, WALL OR CEILING

N-NUMBER DESIGNATES BOX-TYPE & MOUNTING STYLE — N2A — LETTER DESIGNATES CABLE PULL TYPE

(REFER TO THE TELECOM CABLING LEGEND FOR MORE INFORMATION)

VERTICAL PLACEMENT

J#,J# OR J#N# OR N#N#

(DENOTES DEVICES WHICH FALL ON THE SAME VERTICAL PLANE)

TECHNOLOGY DEVICES

SYMBOL	DESCRIPTION
	FLOOR BOX / FLOOR POKE-THRU DEVICE / FLOOR CONDUIT STUB
	WALL JUNCTION BOX
	CEILING JUNCTION BOX
	FLOOR TELECOM OUTLET
	WALL TELECOM OUTLET
	CEILING TELECOM OUTLET
	FLOOR POWER CIRCUIT
	FLOOR POWER DUPLEX RECEPTACLE
	FLOOR POWER DOUBLE DUPLEX RECEPTACLE
	WALL POWER CIRCUIT
	WALL POWER DUPLEX RECEPTACLE
	WALL POWER DOUBLE DUPLEX RECEPTACLE
	CEILING POWER CIRCUIT
	CEILING DUPLEX RECEPTACLE
	CEILING DOUBLE DUPLEX RECEPTACLE
S	CEILING LOUDSPEAKER BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO BE COORDINATED BY THE AV CONTRACTOR. SUBSCRIPT NUMBER DESIGNATES THE SPEAKER ZONE.
C	CEILING AV CAMERA BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO BE COORDINATED BY THE AV CONTRACTOR.
M	CEILING AV MICROPHONE BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. EXACT LOCATION TO BE COORDINATED BY THE AV CONTRACTOR.
	FLAT PANEL DISPLAY BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO DETAIL SHEETS FOR MORE INFORMATION.
	PROJECTOR BY AV CONTRACTOR - SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO DETAIL SHEETS FOR MORE INFORMATION.
	PROJECTION SCREEN - REFER TO THE PROJECTION SCREEN TYPE LEGEND AND NOTES FOR MORE INFORMATION.

TECHNOLOGY DEVICES

SYMBOL	DESCRIPTION
	ACCESS PANEL
	LARGE JUNCTION BOX
	CABLE BASKET - REFER TO PLANS FOR SIZE
	CABLE RUNWAY - REFER TO PLANS FOR SIZE
	CONDUIT - REFER TO PLANS FOR QUANITY & SIZE
	J-HOOK - REFER TO SPECIFICATIONS FOR DETAILS
FB	CONDUIT - RESERVED FOR FIBER BACKBONE
CB	CONDUIT - RESERVED FOR COPPER BACKBONE
HC	CONDUIT - RESERVED FOR HORIZONTAL CABLING
FC	CONDUIT - RESERVED FOR FUTURE
SC	CONDUIT - RESERVED FOR SECURITY
/	FIRE RATED ASSEMBLY
	BUILDING ENTRANCE TERMINAL
	CATV TAP
	GROUNDING BUSBAR
	MAIN GROUNDING BUSBAR
	ELECTRICAL / SECURITY PANEL
	TERMINATION BLOCK - 66 STYLE
	TERMINATION BLOCK - 110 STYLE
	VERTICAL CABLE MANAGER
or	RACK - 2 POST
	RACK - 4 POST
	EQUIPMENT RACK
	PLYWOOD BACKBOARD

TELECOM BUILDING RISER

SYMBOL	DESCRIPTION
COPPER	48 - PORT COPPER PATCH PANEL, RACK MOUNT
OPTICAL	48 - PORT OPTICAL FIBER PANEL, RACK MOUNT
	110 - STYLE PUNCHDOWN BLOCK, WALL MOUNT
TMGB	TELECOM MAIN GROUNDING BUSBAR (TMGB), WALL MOUNT
TGB	TELECOM GROUNDING BUSBAR (TGB), WALL MOUNT
	PRIMARY CABLE PROTECTION, WALL MOUNT
	CATV HEAD END EQUIPMENT
	CATV TAP
	CONDUIT - REFER TO PLANS FOR SIZE

ERRCS - DAS

SYMBOL	DESCRIPTION
	ERRCS - DAS ANTENNA J-BOX
	ERRCS - DAS SPLITTER J-BOX
	ERRCS - DAS ANTENNA
	ERRCS - DAS SPLITTER

AUDIOVISUAL ROOM RISERS

SYMBOL	DESCRIPTION
N A	AN AUDIOVISUAL DEVICE WHICH CONTAINS A POWER RECEPTACLE AND A TELECOM OUTLET
A	AUDIOVISUAL JUNCTION BOX
N	TELECOM JUNCTION BOX
	POWER DESIGNATIONS
	CONDUIT STUB
	FLEXIBLE CONDUIT RUN
	J-HOOK

TECHNOLOGY SHEET INDEX

ISSUE: 2026-10-12 BID AND PERMIT SET	2026-09-21 CD PEER REVIEW	2026-09-09 CD TEAM REVIEW	2026-08-10 CD 50% PROGRESS	2026-06-22 DD OWNER REVIEW	SHEET NUMBER	SHEET DESCRIPTION
•	•	•	•	•	T001	TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
•	•	•	•	•	T002	TECHNOLOGY INFRASTRUCTURE LEGENDS AND NOTES
•	•	•	•	•	T003	TECHNOLOGY INFRASTRUCTURE LEGENDS AND SCHEDULES
•	•				T100	TELECOM SITE PLAN
•	•	•	•	•	T101A	TECHNOLOGY INFRASTRUCTURE PLAN - FLOOR AREA A
•	•	•	•	•	T101B	TECHNOLOGY INFRASTRUCTURE PLAN - FLOOR AREA B
•	•	•	•	•	T201A	TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - FLOOR AREA A
•	•	•	•	•	T201B	TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - FLOOR AREA B
•	•	•	•	•	T301A	TELECOM PLAN - FLOOR AREA A
•	•	•	•	•	T301B	TELECOM PLAN - FLOOR AREA B
•	•	•	•	•	T401	TELECOM ENLARGED PLANS AND ELEVATIONS
•	•	•	•	•	T501	AUDIOVISUAL INFRASTRUCTURE ROOM RISERS
•	•	•	•	•	T502	AUDIOVISUAL INFRASTRUCTURE ROOM RISERS
•	•	•	•	•	T503	AUDIOVISUAL INFRASTRUCTURE ROOM RISERS
•	•	•	•	•	T601	TYPICAL TELECOM BUILDING RISER
•	•	•	•	•	T602	TYPICAL TELECOM RISER
•	•	•			T701	TECHNOLOGY INFRASTRUCTURE ELEVATIONS
•	•	•	•	•	T801	TECHNOLOGY INFRASTRUCTURE DETAILS
•	•	•	•	•	T802	TECHNOLOGY INFRASTRUCTURE DETAILS
•	•	•	•		T901	TYPICAL TELECOM DETAILS

TECHNOLOGY GENERAL NOTES

DRAWINGS:
NOTIFY THE DESIGNER OF ANY DISCREPANCIES BETWEEN THESE CONTRACT DRAWINGS AND FIELD CONDITIONS.

INSTALLATION:
INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES.

SUBSTITUTIONS:
THE MAKE AND MODEL OF LOW VOLTAGE INFRASTRUCTURE DEVICES IN THE TECHNOLOGY LEGENDS HAVE BEEN LISTED TO ESTABLISH THE DESIRED LEVEL OF QUALITY AND PERFORMANCE FOR EACH DEVICE. UNLESS OTHERWISE INDICATED, THE INSTALLING CONTRACTOR MAY SUBSTITUTE THESE DEVICES WITH EQUIVALENT APPROVED PRODUCT BY OTHER MANUFACTURERS.

DEVICE MOUNTING:
DEVICE SPECIFIED MOUNTING ELEVATIONS ARE "ON CENTER" UNLESS OTHERWISE NOTED. ALL DEVICE HEIGHTS SHALL COMPLY WITH ANSI 117.1 CHAPTER 3, SECTION 307, PROTRUDING OBJECTS AND CHAPTER 3, SECTION 308, REACH RANGES. IF ANY DEVICE OR BOX SPECIFIED WITHIN IS FOUND TO BE IN CONFLICT WITH ABOVE SECTIONS A CONFIRMING RFI SHOULD BE PLACED PRIOR TO RELOCATING.

FLOOR BOX, JUNCTION BOX, AND PULL BOX COVERS:
UNLESS OTHERWISE DIRECTED, ALL FLOOR BOXES, JUNCTION BOXES, AND PULL BOXES MUST BE PROVIDED WITH A COVER. WHERE SINGLE OR MULTI-DEVICE RAISED DEVICE COVERS ARE SPECIFIED IN THE SCHEDULE, MATCH THE RAISED COVER DEPTH TO THE WALL THICKNESS. PROVIDE ALL FLOOR BOXES, JUNCTION BOXES, AND PULL BOXES WITH APPROPRIATE KNOCKOUTS TO MATCH CONDUIT REQUIREMENTS. WHERE JUNCTION BOXES AND PULL BOXES ARE MOUNTED AT OR ABOVE FINISHED CEILING HEIGHT, INSTALL BOXES WITH OPEN SIDE FACING DOWN.

FIRE STOPPING:
THE FIRE STOP SYSTEM SHALL COMPLY WITH THE IBC, NEC AND WITH NFPA 101-LIFE SAFETY CODE (LATEST EDITION) AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE LOCAL INSPECTION AUTHORITIES PRIOR TO CABLE SYSTEM ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS HAVING PENETRATIONS. COORDINATE SEALANT INSTALLATION WITH WORK OF OTHER TRADES. REFER TO GENERAL AND / OR ELECTRICAL SPECIFICATION SECTIONS FOR FURTHER MATERIAL AND INSTALLATION PARAMETERS.

EMERGENCY COMMUNICATIONS:
CONTRACTOR TO VERIFY ALL CODE AND TELECOMMUNICATIONS REQUIREMENTS FOR AEDS, EMERGENCY PHONES, AND AREA OF REFUGE SYSTEMS AND SIGNAGE PER THE AHJ. REFERENCE ARCHITECTURAL DRAWINGS FOR EMERGENCY COMMUNICATIONS SIGNAGE AND ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR EMERGENCY COMMUNICATIONS REQUIREMENTS.

GROUNDING:
GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH THE ANSI/TIA-607-(LATEST EDITION) GROUNDING STANDARD AND APPLICABLE NEC REQUIREMENTS EXCEPT WHERE THE DRAWINGS OR SPECIFICATIONS EXCEED NEC REQUIREMENTS. ALL RACKS, METALLIC BACKBOARDS, CABLE SHEATHS, METALLIC STRENGTH MEMBERS, SPLICE CASES, CABLE TRAYS, ETC. ENTERING OR RESIDING IN TECHNICAL EQUIPMENT SPACES SHALL BE GROUNDED TO THEIR RESPECTIVE GROUND SYSTEM USING A MINIMUM #6 AWG STRANDED COPPER BONDING CONDUCTOR AND COMPRESSION CONNECTORS. ALL WIRES USED FOR TECHNICAL POWER SYSTEMS GROUNDING PURPOSES SHALL BE IDENTIFIED WITH GREEN INSULATION OR IDENTIFIED AT EACH TERMINATION POINT WITH A WRAP OF GREEN TAPE. ALL CABLES AND BUS BARS SHALL BE IDENTIFIED AND LABELED "TECHNICAL POWER SYSTEM GROUND".

TECHNICAL POWER & GROUNDING SYSTEM:
DUE TO THE SENSITIVE NATURE OF ELECTRONIC EQUIPMENT THAT IS BEING USED, POWER QUALITY MUST BE ASSURED. POWER FOR TECHNOLOGY SYSTEMS SHOULD BE DERIVED FROM DEDICATED TECHNICAL POWER PANELS WHICH DO NOT SHARE CIRCUITS WITH EQUIPMENT LOADS THAT GENERATE ELECTRICAL NOISE ON THE POWER LINE. THIS MIGHT INCLUDE: AIR CONDITIONING EQUIPMENT, MOTORS, HEAVY INDUSTRIAL EQUIPMENT, OR DIMMED LIGHTING LOADS; ALL OF WHICH CREATE TRANSIENTS, HARMONICS, SURGES AND SPIKES. FOR ADDITIONAL GUIDELINES REFER TO THE IEEE STD. 1100 (2005) EMERALD BOOK "RECOMMENDED PRACTICE FOR POWERING AND GROUNDING ELECTRONIC EQUIPMENT". WHERE PRACTICAL, ALL TECHNICAL POWER CIRCUITS FOR EQUIPMENT WITHIN A ROOM SHOULD BE ON THE SAME PHASE TO ENSURE PROPER EQUIPMENT TIMING WITHIN THE SYSTEM TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) DEVICES SHOULD BE PROVIDED AT POWER DISTRIBUTION PANELS SERVING TECHNICAL POWER CIRCUITS. THESE TVSS DEVICES MUST BE INSTALLED ACCORDING TO NEC ARTICLE 285. ALL DEVICES MUST BE UL 1449 COMPLIANT. IN BROADCAST APPLICATIONS OR IN LARGE SYSTEMS, A SEPARATELY DERIVED TECHNICAL POWER SOURCE PROVIDED BY AN ELECTROSTATIC SHIELDED ISOLATION TRANSFORMER MAY BE REQUIRED.

ALL TECHNICAL POWER OUTLETS MUST BE WIRED AS "ALWAYS ON". NO OUTLETS SERVING TECHNOLOGY SYSTEMS SHALL BE ON SWITCHED, TIME OF DAY, OR OCCUPANCY CONTROLLED OUTLETS.

TECHNICAL GROUND SYSTEM (TGS)
TECHNICAL GROUND SHALL CONSIST OF AN INSULATED GROUND CONDUCTOR FROM THE PANEL BOARD TO EACH TECHNICAL GROUND RECEPTACLE. AT THE RECEPTACLE, THE GROUND CONDUCTOR SHALL BE ELECTRICALLY ISOLATED FROM THE ELECTRICAL BOX AND CONDUIT SYSTEM.

TECHNICAL ELECTRICAL SUPPLY GROUNDING SHALL BE VIA A GROUNDING ELECTRODE AND MEET NEC ARTICLE 250 REQUIREMENTS. A TECHNICAL POWER SYSTEM IS FURTHER DEFINED IN NEC ARTICLE 640 AS "AN ELECTRICAL DISTRIBUTION SYSTEM WITH GROUNDING IN ACCORDANCE WITH 250.146(D), WHERE THE EQUIPMENT GROUNDING CONDUCTOR IS ISOLATED FROM THE PREMISES GROUNDING CONDUCTOR EXCEPT AT A SINGLE GROUNDED TERMINATION POINT WITHIN A BRANCH-CIRCUIT PANEL BOARD, AT THE ORIGINATING (MAIN BREAKER) BRANCH-CIRCUIT PANEL BOARD, OR AT THE PREMISES GROUNDING ELECTRODE".

INSULATED GROUNDING CONDUCTORS FROM THE BREAKER PANEL BOARDS SHALL BE IN A "STAR" CONFIGURATION AND NOT LOOP FROM ONE PANEL TO THE NEXT PANEL. AT EACH BREAKER PANEL, PROVIDE AN INSULATED GROUND BUS BAR FOR CONNECTIONS OF ALL TGS INSULATED GROUND CONDUCTORS AND NO OTHERS. THE GREEN SAFETY GROUND WIRES FROM EACH TGS RECEPTACLE OR CIRCUIT ARE BROUGHT TO THIS BUS. EACH TECHNICAL POWER RECEPTACLE SHALL BE OF A UNIQUE COLOR AND / OR CLEARLY AND PERMANENTLY LABELED "TECHNICAL POWER".

CONTRACTOR RESPONSIBILITY MATRIX

ALL ITEMS AND TASKS LISTED ARE THE RESPONSIBILITY OF THE NOTED CONTRACTOR

#	ITEM /TASK	FURNISH	INSTALL
1	UNISTRUT, THREADED ROD, SUPPORT CABLE, FASTENERS OR OTHER HARDWARE REQUIRED TO ATTACH AUDIOVISUAL WALL OR CEILING MOUNTS TO STRUCTURE	GC	GC
2	ROUGH OR FINISHED TRIM, CASEWORK AND MILLWORK	GC	GC
3	STRUCTURAL BACKING ("BLOCKING") AS REQUIRED TO SUPPORT WALL MOUNTED AUDIOVISUAL COMPONENTS AND STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
4	AC POWER SYSTEMS, CONDUIT, RACEWAYS, ELECTRICAL BACK BOXES, JUNCTION BOXES, PULL BOXES, FLOOR BOXES AND OTHER INFRASTRUCTURE	GC	GC
5	LIGHTING FIXTURES, DIMMING SYSTEMS AND WALL CONTROLLERS	GC	GC
6	LOW VOLTAGE AV CONTROL INTERFACE FOR LIGHTING SYSTEM (DIMMER SIDE) AND PATHWAY TO AUDIOVISUAL CONTROL SYSTEM EQUIPMENT RACK	GC	GC
7	LOW VOLTAGE AV CONTROL INTERFACE FOR MOTORIZED WINDOW SHADES AND PATHWAY TO AUDIOVISUAL CONTROL SYSTEM EQUIPMENT RACK	GC	GC
8	TELECOMMUNICATIONS STRUCTURED CABLING SYSTEMS, HORIZONTAL AND BACKBONE CABLING AND TERMINATION, ASSOCIATED CABINETS, RACKS, RACEWAYS AND CABLE MANAGEMENT SYSTEMS	SCC	SCC
9	TELECOMMUNICATIONS CONNECTOR INSERT PLATES FOR FLOOR BOXES AND / OR WALL BOXES	SCC	SCC
10	PROJECTION SCREENS - WALL MOUNTED, CEILING MOUNTED, OR FIXED FRAME	GC	GC
11	AUDIOVISUAL CONNECTOR INSERT PLATES FOR FLOOR BOXES AND / OR WALL BOXES	AVC	AVC
12	AUDIOVISUAL CABLING AND TERMINATIONS FOR AUDIOVISUAL SYSTEMS	AVC	AVC
13	PROJECTORS, FLAT PANEL DISPLAYS, CONTROL PANELS, MICROPHONES, SPEAKERS AND OTHER AUDIOVISUAL EQUIPMENT	AVC	AVC
14	MOTORIZED PROJECTOR LIFTS	GC	GC
15	LECTERNS / SPECIALTY TECHNICAL FURNITURE	AVC	AVC
16	AUDIOVISUAL EQUIPMENT RACKS	AVC	AVC
17	ELECTRONIC SECURITY SYSTEMS EQUIPMENT AND SECURITY CABLING FOR ACCESS CONTROL, INTRUSION ALARM, DURESS, AND OTHERS AS SPECIFIED	SC	SC
18	WIRELESS ACCESS POINT ENCLOSURE BACKBOX	GC	GC
19	WIRELESS ACCESS POINT ENCLOSURES	SCC	SCC
20	WIRELESS ACCESS POINT DEVICES	O	SCC
21	NETWORK SWITCHES AND EQUIPMENT	O	O
22	EMERGENCY PHONES	SC	SC
23	EQUIPMENT PATCH CORDS - (IF EQUIPMENT ROOM PATCH CORDS ARE INSTALLED BY SCC THEN THEY SHALL BE RESPONSIBLE FOR COORDINATING AND CONFIGURING PACTHING TO NETWORK SWITCHES WITH OWNER)	SCC	SCC
24	STATION PATCH CORDS	SCC	SCC
25	FIBER PATCH CORDS	O	O
26	RACK MOUNTED UPS	O	O

TECHNOLOGY RISER GENERAL NOTES

RISER DRAWINGS AND CONDUIT ROUTING
THE ROOM RISER DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONDUIT PATHS SHOWN ON THE ROOM RISERS ARE INTENDED TO CONVEY REQUIRED DEVICE INTERCONNECTION AND SIZES ONLY. ACTUAL CONDUIT ROUTING IN THE FIELD MAY BE REQUIRED TO FOLLOW ROUTING CONTRARY TO THAT IMPLIED BY THE ROOM RISER. CONDUIT ROUTING IS AT CONTRACTOR'S DISCRETION, BUT THE CONTRACTOR SHALL PROVIDE A PULL BOX IMMEDIATELY BEFORE AND AFTER ANY CONDUIT RUN SECTION CONTAINING TWO NINETY-DEGREE TURNS, OR ANY SINGLE RUN EXCEEDING FIFTY FEET IN LENGTH REGARDLESS OF WHETHER PULL BOXES ARE SHOWN ON THE DRAWINGS OR NOT. IN ALL CASES, CONDUIT ROUTES SHALL FOLLOW THE SHORTEST PATH POSSIBLE WHILE COMPLYING WITH INDUSTRY STANDARDS AND BEST PRACTICES.

CONDUIT RUNS:
ALL CONDUIT RUNS SHALL BE STEEL, THIN-WALL ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE INDICATED. THE USE OF FLEXIBLE CONDUIT IS NOT PERMISSIBLE EXCEPT WHERE INDICATED ON THE DRAWINGS. CONDUIT SIZES AND INTERCONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS.

CONDUIT STUBS
TERMINATE CONDUIT STUBS INTO CLEAR SPACE 18 INCHES ABOVE ACCESSIBLE CEILING IN ROOM INDICATED.

NYLON BUSHINGS
PROVIDE A NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATING CONDUIT ENDS TO PROTECT WIRE PULLS.

PULL STRINGS
ALL CONDUIT RUNS SHALL BE PROVIDED WITH A #12 PULL STRING OR EQUAL.

POWER DESIGNATORS AND RECEPTACLES
POWER DESIGNATORS AND RECEPTACLES WHICH APPEAR ON THE ROOM RISER DRAWINGS ARE SHOWN TO INDICATE THEIR ASSOCIATION WITH AND REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS. NOTE THAT NOT ALL POWER RECEPTACLES REQUIRED TO SUPPORT THE AUDIOVISUAL SYSTEMS ARE SHOWN ON THE ROOM RISER DIAGRAMS; ONLY THOSE THAT ARE PART OF OR INTERFACE WITH THE AUDIOVISUAL JUNCTION BOXES ARE SHOWN. REFER TO THE AUDIOVISUAL INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL GUIDANCE REGARDING AUDIOVISUAL POWER LOCATIONS. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

TELECOM OUTLETS
JUNCTION BOXES FOR TELECOM OUTLETS WHICH APPEAR ON THE ROOM RISER DRAWINGS ARE SHOWN TO INDICATE THEIR ASSOCIATION WITH AND REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS.

AV SPECIFIC ROOM RISERS
NOT ALL TELECOM OUTLETS REQUIRED TO SUPPORT THE AUDIOVISUAL SYSTEMS ARE SHOWN ON THE ROOM RISER DIAGRAMS; ONLY THOSE THAT ARE PART OF OR INTERFACE WITH AUDIOVISUAL JUNCTION BOXES ARE SHOWN. REFER TO THE AUDIOVISUAL INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL GUIDANCE REGARDING AUDIOVISUAL TELECOM OUTLET LOCATIONS. REFER TO THE STRUCTURED CABLING DRAWINGS FOR COMPLETE TELECOMMUNICATIONS PATHWAYS, OUTLETS AND CABLING REQUIREMENTS.

CONDUITS SHOWN ON THE ROOM RISER DRAWINGS ARE FOR AV ONLY AND SHALL NOT BE USED FOR TELECOM CABLES.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
T001

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TECHNOLOGY JUNCTION BOX LEGEND

TYPE		FUNCTION	ENCLOSURE DIMENSIONS			ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE		LENGTH	WIDTH	DEPTH					
F2	FLOOR	FLOOR BOX W/ AV TELECOM AND POWER	11 5/16"	15 1/8"	6"	FLOOR BOX	WIREMOLD EFB8S	FLUSH WITH FINISHED FLOOR	2/T801	A, B
C1	WALL	CAMERA PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	96" AFF - FLUSH (UNO)	1/T801	-
D8	WALL	DISPLAY BOX W/ AV TELECOM AND POWER	10 7/8"	11 1/4"	3 7/8"	DISPLAY BOX	WIREMOLD EFSB4	FLUSH (UNO) - REFER TO ROOM DISPLAY SCHEDULE AND ELEVATIONS	3, 4/T801	C
L2	WALL	OUTDOOR LOUDSPEAKER PULL BOX	4 11/16"	4 11/16"	2 1/8"	OUTDOOR RATED PULL BOX	OUTDOOR RATED	90" AFF - FLUSH (UNO)	-	-
PS2	WALL	PARTITION SENSOR WALL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	120" AFF - FLUSH (UNO)	-	-
R8	WALL	EQUIPMENT RACK PULL BOX W/ AV TELECOM AND POWER	12 3/8"	12 3/8"	4"	PULL BOX W/ PAINTED SCREW COVER	FSR WB-X2-GNG	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	5, 6/T801	D
S2	WALL	PROJECTION SCREEN CONTROL SWITCH (DUAL)	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	E, G
TP2	WALL	CONTROL PANEL W/ AV AND TELECOM	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	-
W17	WALL	AV IO PANEL W/ AV TELECOM AND POWER	4 11/16"	10 7/16"	2 1/2"	PULL BOX W/ RAISED FOUR-DEVICE COVER	RACO 943	36" AFF - FLUSH (UNO)	7/T801	-
D41-1	CEILING	DISPLAY PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	-
IS1-3	CEILING	OCCUPANCY SENSOR	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	SUSPENDED FROM DECK - FLUSH WITH CEILING	-	-
J6	CEILING	CONDUIT CONSOLIDATION PULL BOX	18"	18"	6"	PULL BOX (PUNCHED AS REQUIRED) W/ PAINTED SCREW COVER	HOFFMAN A-SE18X18X6NK	18" ABOVE ACCESSIBLE CEILING	-	-
L11-1	CEILING	LOUDSPEAKER PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	1/T802	-
M1-1	CEILING	MICROPHONE PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	-
PJ1	CEILING	PROJECTOR LIFT	20"	36 9/32"	37 11/16"	MOTORIZED PROJECTOR LIFT ASSEMBLY	DRAPER SCISSOR SLX	SUSPENDED FROM DECK - FLUSH WITH CEILING	2/T802	E, F

TECHNOLOGY TELECOM JUNCTION BOX LEGEND

TYPE		FUNCTION	ENCLOSURE DIMENSIONS			ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE		LENGTH	WIDTH	DEPTH					
N1	FLOOR	TELECOM OUTLET - FLOOR	-	-	-	FLOOR DEVICE INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED FLOOR DEVICE	INSTALL IN FLOOR DEVICE PER MFR DIRECTIONS	2/T801	A, B, H
N2	WALL	TELECOM OUTLET - DISPLAY	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED DISPLAY BOX	INSTALL IN DISPLAY BOX PER MFR DIRECTIONS	3, 4/T801	C, H
N3	WALL	TELECOM OUTLET - EQUIPMENT RACK	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED EQUIPMENT RACK BOX	INSTALL IN EQUIPMENT RACK BOX PER MFR DIRECTIONS	5, 6/T801	D, H
N4	WALL	TELECOM OUTLET - STANDARD	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	H, I
N6	WALL	TELECOM OUTLET - ABOVE COUNTER	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD COUNTER OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	H
N9	WALL	TELECOM OUTLET - IN RACEWAY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	H
N10	WALL	TELECOM OUTLET - WAP	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	-
N11	WALL	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	H
N13	WALL	TELECOM OUTLET - UTILITY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	COORDINATE WITH APPLICABLE TRADE	-	H
N14	WALL	TELECOM PULL BOX - TOUCH OR SCHEDULING PANEL	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED TOUCH OR SCHEDULING PANEL BOX	INSTALL NETWORK JACK WITHIN ASSOCIATED TOUCH OR SCHEDULING PANEL BOX	-	H
N15	WALL	TELECOM OUTLET - AV IO PANEL	-	-	-	AV IO PANEL INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED AV IO PANEL	INSTALL IN AV IO PANEL PER MFR DIRECTIONS	7/T801	H
N16	WALL	TELECOM OUTLET - POLE-MOUNT CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX	RACO 258 259 OR 265	REFER TO ARCH. DRAWINGS	-	-
N21-1	CEILING	TELECOM OUTLET - DISPLAY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N23-1	CEILING	TELECOM OUTLET - WAP	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N24-1	CEILING	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N24-3	CEILING	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	SUSPENDED FROM DECK - FLUSH WITH CEILING	-	H

TECHNOLOGY POWER LEGEND

TYPE		FUNCTION	VOLTS	AMPS	NEMA	DESCRIPTION	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE									
P1	FLOOR	POWER RECEPTACLE - FLOOR DEVICE	120	20	5-20R	DUPLEX RECEPTACLE INSIDE FLOOR DEVICE	-	INSTALL IN FLOOR DEVICE PER MFR DIRECTIONS	2/T801	A, B, J
P2	WALL	POWER RECEPTACLE - DISPLAY	120	20	5-20R	DUPLEX RECEPTACLE INSIDE DISPLAY BOX	-	INSTALL IN DISPLAY BOX PER MFR DIRECTIONS	3, 4/T801	C, J
P3	WALL	POWER RECEPTACLE - EQUIPMENT RACK	120	20	5-20R	DUPLEX RECEPTACLE INSIDE EQUIPMENT RACK BOX	-	INSTALL IN EQUIPMENT RACK BOX PER MFR DIRECTIONS	5, 6/T801	D, J
P7	WALL	POWER RECEPTACLE - TECHNOLOGY RACK	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE (DUAL CIRCUIT)	TWO DEDICATED CIRCUITS	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	J
P15	WALL	POWER RECEPTACLE - AV IO PANEL	120	20	5-20R	DUPLEX RECEPTACLE INSIDE AV IO PANEL	-	INSTALL IN AV IO PANEL PER MFR DIRECTIONS	7/T801	J
P16	WALL	POWER CIRCUIT - ACCESS CONTROL PANEL	120	20	-	HARDWIRED POWER CIRCUIT DIRECT TO ACCESS CONTROL PANEL	DEDICATED CIRCUIT	REFER TO PLANS & ELEVATIONS	-	J
P17	WALL	POWER RECEPTACLE - CONVENIENCE DUPLEX	120	20	5-20R	DUPLEX RECEPTACLE	-	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	J
P18	WALL	POWER RECEPTACLE - TELECOM RACK	208	30	L6-30R	TWIST-LOCK RECEPTACLE	DEDICATED CIRCUIT	MOUNT TO CABLE RUNWAY ABOVE EQUIPMENT RACK	-	J
P22	CEILING	POWER CIRCUIT - MOTORIZED PROJECTION SCREEN	120	20	-	WORKBOX W/ POWER CIRCUIT	-	TERMINATE AT PROJECTION SCREEN PER MFR INSTRUCTIONS	-	G, J
P23	CEILING	POWER CIRCUIT - MOTORIZED PROJECTOR LIFT	120	20	-	WORKBOX W/ POWER CIRCUIT	DEDICATED CIRCUIT	TERMINATE AT PROJECTOR LIFT PER MFR INSTRUCTIONS	2/T802	E, G, J

TELECOM CABLING LEGEND

TYPE	CAT6A	FIBER	COAX	REFERENCE DETAIL	NOTES
A	1	0	0	1/T901	-
B	2	0	0	1/T901	-
C	3	0	0	1/T901	-
D	4	0	0	1/T901	-
E	6	0	0	1/T901	-
G	1	0	0	1/T901	DIRECT CONNECT

TECHNOLOGY LEGEND NOTES

[A] FLOOR BOXES AND FLOOR PENETRATIONS:
VERIFY EXACT LOCATION, COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE ON-GRADE OR FIRE-RATED VERSION FLOOR BOXES AS REQUIRED.

[B] F2(N1, P1) FLOOR BOX CONFIGURATION:
WIREMOLD EVOLUTION SERIES EFB8S/-OG FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

[C] D8(N2, P2) FLAT PANEL DISPLAY BOX CONFIGURATION:
WIREMOLD EVOLUTION SERIES EFSB4 FLAT PANEL DISPLAY WALL BOX. VERIFY COVER COLOR WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TUNNEL, DEVICE MODULES, TRIM FLANGE, AND DECORATIVE COVER. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, DEVICE PLATES, BLANK DEVICE PLATES, KNOCKOUT PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[D] R8(N3, P3) LARGE CAPACITY WALL BOX CONFIGURATION:
FSR WB-X2-GNG LARGE CAPACITY WALL BOX WITH LOCKING COVER. VERIFY COVER COLOR AND STYLE WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: INTERNAL BRACKETS, CENTER DIVIDERS, AND MOUNTING BRACKETS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, DEVICE PLATES, DEVICE BLANK PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[E] PROJECTOR LIFT:
DRAPER SCISSOR LIFT SLX SCISSOR LIFT WITH ENOUGH TRAVEL TO EXTEND TO 6' AFF. PROVIDE OPTIONAL CEILING CLOSURE PANEL OR OPTIONAL ENVIRONMENTAL AIR SPACE HOUSING AS REQUIRED, AS WELL AS CEILING FINISH KIT. COORDINATE FINISH WITH ARCHITECT PRIOR TO ORDERING.

[F] CEILING SUSPENDED VIDEO PROJECTOR:
THE LOCATION OF THE AUDIOVISUAL, POWER AND TELECOM JUNCTION BOXES IN RELATION TO THE PROJECTION SCREEN IS CRITICAL. FOR VIDEO PROJECTOR INFRASTRUCTURE LAYOUT INFORMATION REFER TO THE "TYPICAL PROJECTION SCREEN DETAIL " AND OTHER REFERENCED DETAILS.

[G] PROJECTION SCREEN LOW VOLTAGE CONTROL SYSTEM:
PROVIDE AC LINE VOLTAGE CONNECTION TO SCREEN CONTROL INTERFACE BUILT INTO MOTORIZED PROJECTION SCREEN HOUSING PER MANUFACTURER'S INSTRUCTION. PROVIDE LOW VOLTAGE WIRING CONNECTION FROM SCREEN CONTROL INTERFACE TO WALL MOUNTED PROJECTION SCREEN WALL SWITCH PER MANUFACTURER'S INSTRUCTION.

[H] TELECOM OUTLETS AND ASSOCIATED CONDUITS:
CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE. REFER TO THE TELECOM PLANS FOR THE LOCATIONS OF JUNCTION BOXES AND FLOOR BOXES, AND THE "TELECOM CABLING LEGEND" FOR OUTLET CONFIGURATION REQUIREMENTS. TELECOM CABLING, OUTLETS AND COVER PLATES PROVIDED BY THE STRUCTURED CABLING SYSTEMS CONTRACTOR.

[I] POWER RECEPTACLES ADJACENT TO INDICATED TELECOM WALL OUTLETS:
INDICATED TELECOM WALL OUTLETS SHALL HAVE A DUPLEX POWER RECEPTACLE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET. IDEALLY, THE TELECOM OUTLET BOX WILL BE MOUNTED TO ONE SIDE OF A STUD, AND THE POWER BOX TO THE OPPOSITE SIDE OF THE STUD.

[J] POWER RECEPTACLES AND DIRECT CIRCUIT CONNECTIONS:
TECHNICAL POWER RECEPTACLES AND DIRECT CIRCUIT CONNECTIONS, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. TECHNICAL POWER APPEARS ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS FOR COORDINATION AND LOCATION PURPOSES. THE LOCATION OF TECHNICAL POWER IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

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The Lakeside Park

REVISIONS

10/12/2026	BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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PROJECTION SCREEN TYPE LEGEND

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

TYPE	IMAGE SIZE		CASE SIZE			WEIGHT (lbs)	INSTALLATION	OPERATION	MAKE & MODEL	IMAGE SURFACE MATERIAL	CONTROL	CASE PROVIDED BY	FABRIC & ROLLER PROVIDED BY	REFERENCE DETAIL
	HEIGHT (IH)	WIDTH (IW)	HEIGHT (CH)	WIDTH (CW)	DEPTH (CD)									
A	65"	116"	7 15/16"	132 1/2"	7 3/4"	100	CEILING MOUNTED - FLUSH	MOTORIZED	DA-LITE TENSIONED ADVANTAGE WITH SIGHTLINE	PARALLAX STRATOS 1.0	INTERNAL LVC	GENERAL CONTRACTOR	GENERAL CONTRACTOR	1/T003, 3/T802

DISPLAY TYPE LEGEND

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

TYPE	NOMINAL IMAGE DIAGONAL	NOMINAL CASE SIZE			NOMINAL WEIGHT (lbs)	BACKING	
		HEIGHT (H)	WIDTH (W)	DEPTH (D)		HEIGHT (H)	WIDTH (W)
55	55"	29"	50"	4"	60	24"	48"
65	65"	34"	59"	4"	77	24"	48"
98	98"	49"	87"	4"	183	48"	96"

ROOM PROJECTION SCREEN SCHEDULE

PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP IS CRITICAL (SEE GRAPHIC - TYPICAL PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP)

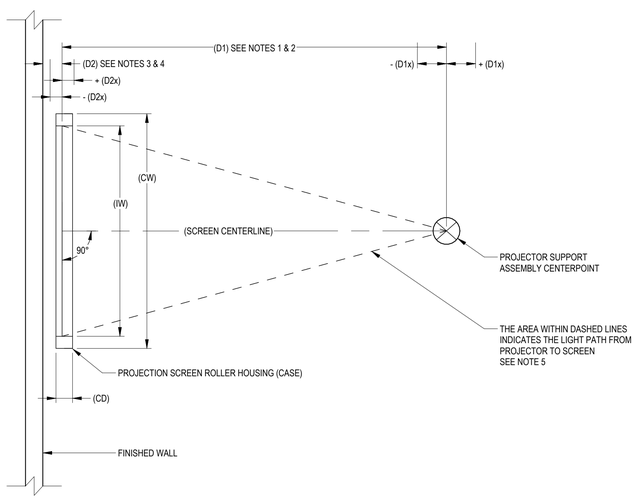
ROOM NUMBER	QTY	SCREEN TYPE	SCREEN				PROJECTOR MOUNT	
			BOTTOM OF IMAGE AFF	BLACK DROP (EST)	DISTANCE [D2]	DISTANCE [D2x]	DISTANCE [D1]	DISTANCE [D1x]
	2	A	54"	6"	7"	0"	201"	18"

ROOM DISPLAY SCHEDULE

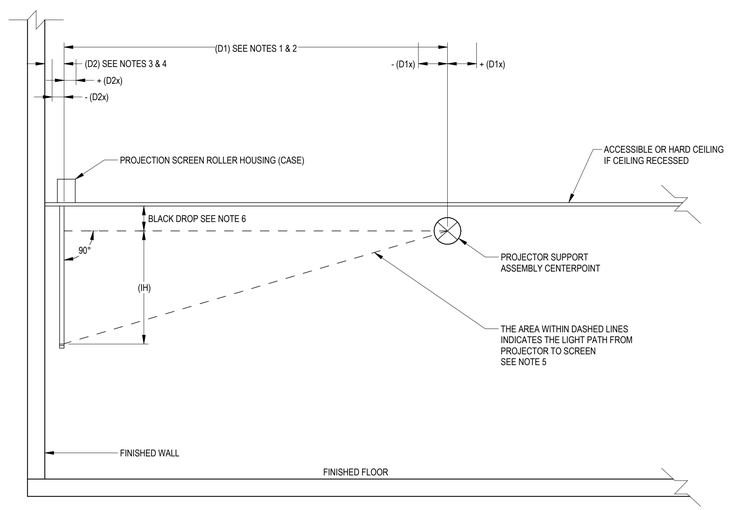
VERTICAL AND HORIZONTAL CENTERLINE OF THE DISPLAY AND BACK BOX MAY DIFFER. REFER TO ELEVATIONS.

ROOM NUMBER	DISPLAY QTY	DISPLAY TYPE	ELEV AFF OC	COMMENTS
104	1	55	80"	
105	2	98	72"	
118	1	65	66"	

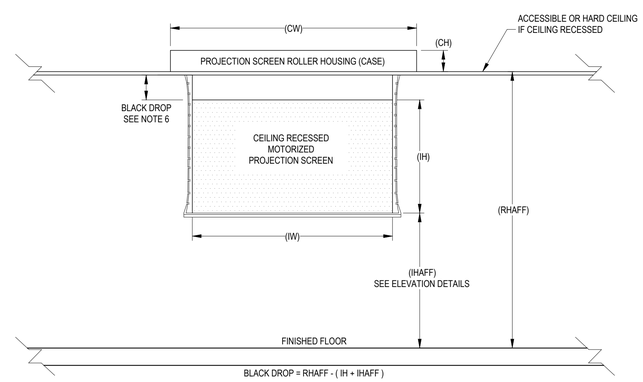
CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTOR LAYOUT (TYP) - PLAN VIEW



CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTION LAYOUT (TYP) - SECTION



CEILING MOUNTED VIDEO PROJECTION SCREEN (TYP)
(AUDIENCE VIEW)



PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP NOTES

1. [D1] – CRITICAL DISTANCE: D1 IS THE DISTANCE FROM THE PROJECTION SCREEN SURFACE TO THE CENTER OF THE PROJECTOR CEILING MOUNT ASSEMBLY.
   - IMPORTANT: IF DISTANCE D2 IS ADJUSTED, D1 MUST REMAIN CONSTANT.
2. [D1X] – ALLOWABLE D1 VARIANCE: D1X DEFINES THE PERMISSIBLE ± VARIANCE FOR D1 TO ACCOMMODATE STRUCTURAL OR OTHER OBSTRUCTIONS.
   - EXAMPLE: IF D1 = 300" AND D1X = 10", THE PROJECTOR CEILING MOUNT CENTER MAY BE LOCATED BETWEEN 290" AND 310" FROM THE SCREEN SURFACE ALONG THE SCREEN CENTERLINE.
3. [D2] – MINIMUM PROJECTION WALL CLEARANCE: D2 IS THE MINIMUM DISTANCE FROM THE PROJECTION WALL TO THE PROJECTION SCREEN SURFACE.
   - IF D2 MUST INCREASE BEYOND D2 + D2X TO AVOID OBSTRUCTIONS, CONTACT THE CONSULTANT FOR DIRECTION.
4. [D2X] – ALLOWABLE D2 VARIANCE: D2X DEFINES THE PERMISSIBLE ± VARIANCE FOR D2.
   - EXAMPLE: IF D2 = 6" AND D2X = 2", THE SCREEN SURFACE MAY BE LOCATED BETWEEN 4" AND 8" FROM THE PROJECTION WALL ON THE SCREEN CENTERLINE.
5. CLEAR PROJECTION PATH: THE PROJECTOR MUST HAVE AN UNOBSTRUCTED VIEW OF THE ENTIRE SCREEN IMAGE AREA AT ALL TIMES.
6. [BLACK DROP] – FIELD VERIFICATION REQUIRED: THE BLACK DROP AMOUNT LISTED IN THE ROOM PROJECTION SCREEN SCHEDULE IS A DESIGN ESTIMATE.
   - FIELD-VERIFY EACH SCREEN PRIOR TO SUBMITTAL.
   - REQUIRED BLACK DROP (BD) = (RHAFF) – (IHAFF + IH)
   - RHAFF: ROLLER HOUSING ELEVATION ABOVE FINISHED FLOOR
   - IHAFF: BOTTOM OF IMAGE HEIGHT ABOVE FINISHED FLOOR
   - IH: IMAGE HEIGHT
   - EXCESS BLACK DROP REMAINING ON THE ROLLER WHEN THE SCREEN IS DEPLOYED SHOULD NOT EXCEED ONE WRAP.
   - IF ACTUAL CEILING HEIGHT DIFFERS FROM DRAWINGS, THE SPECIFIED IMAGE HEIGHT ABOVE FINISHED FLOOR (IHAFF) GOVERNS.
7. POWER JUNCTION BOX LOCATION: LOCATE THE PROJECTION SCREEN POWER JUNCTION BOX ON THE SAME SIDE AS THE SCREEN `S ELECTRICAL CONNECTIONS (VARIES BY SCREEN TYPE). VERIFY LOCATION PRIOR TO INSTALLATION.

1 / T003 TYPICAL PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP
NTS

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Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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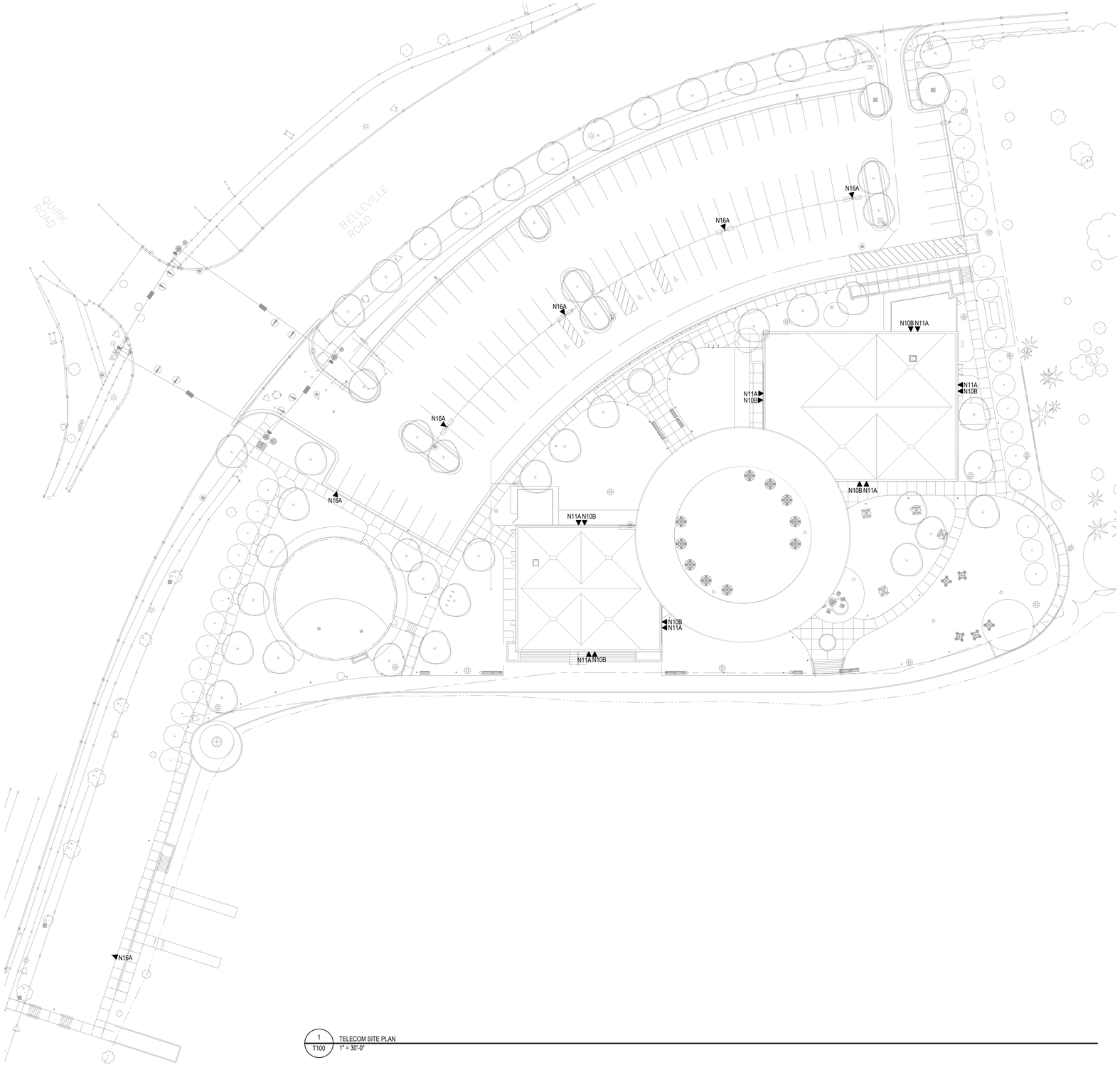
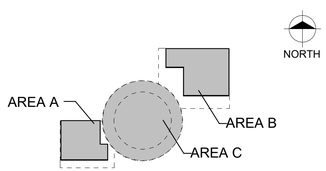


1 / T100 TELECOM SITE PLAN
1" = 30'-0"

KEY PLAN



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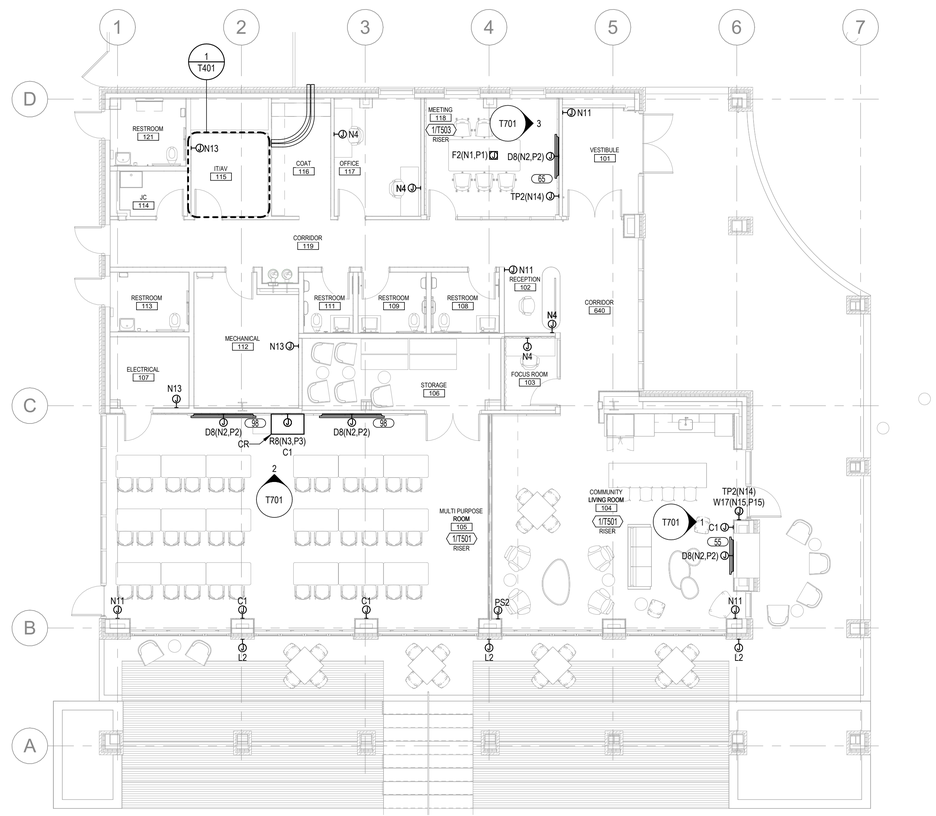
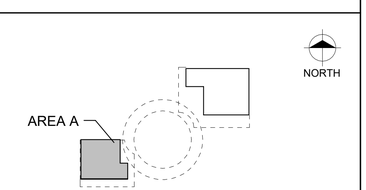
SHEET NOTES - INFRASTRUCTURE

1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS



1 / T101A TECHNOLOGY INFRASTRUCTURE PLAN - FLOOR AREA A
1/8" = 1'-0"

KEY PLAN



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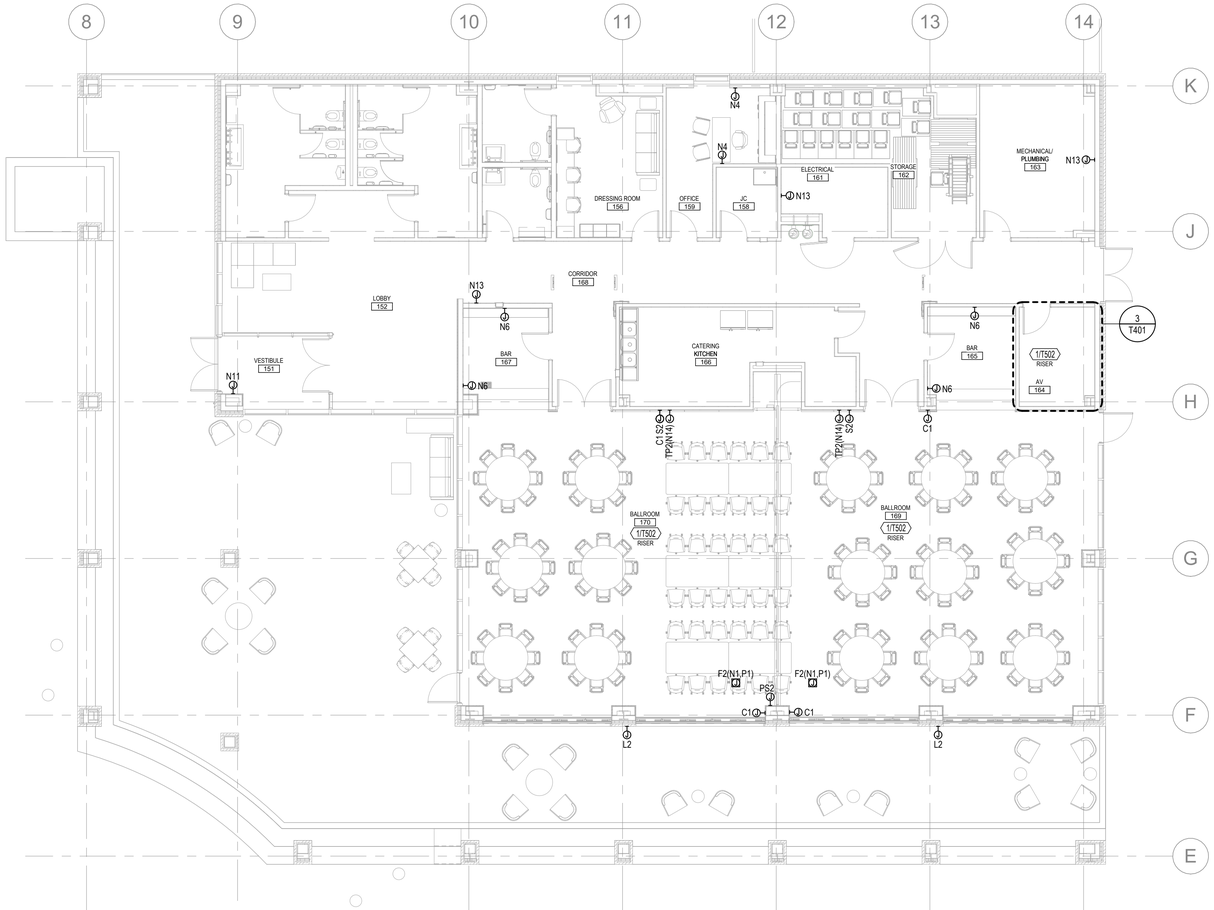
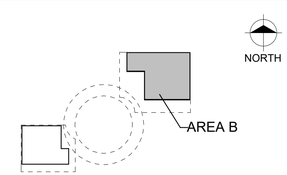
SHEET NOTES - INFRASTRUCTURE

1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS



1 / T101B TECHNOLOGY INFRASTRUCTURE PLAN - FLOOR AREA B
1/8" = 1'-0"

KEY PLAN



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REVISIONS

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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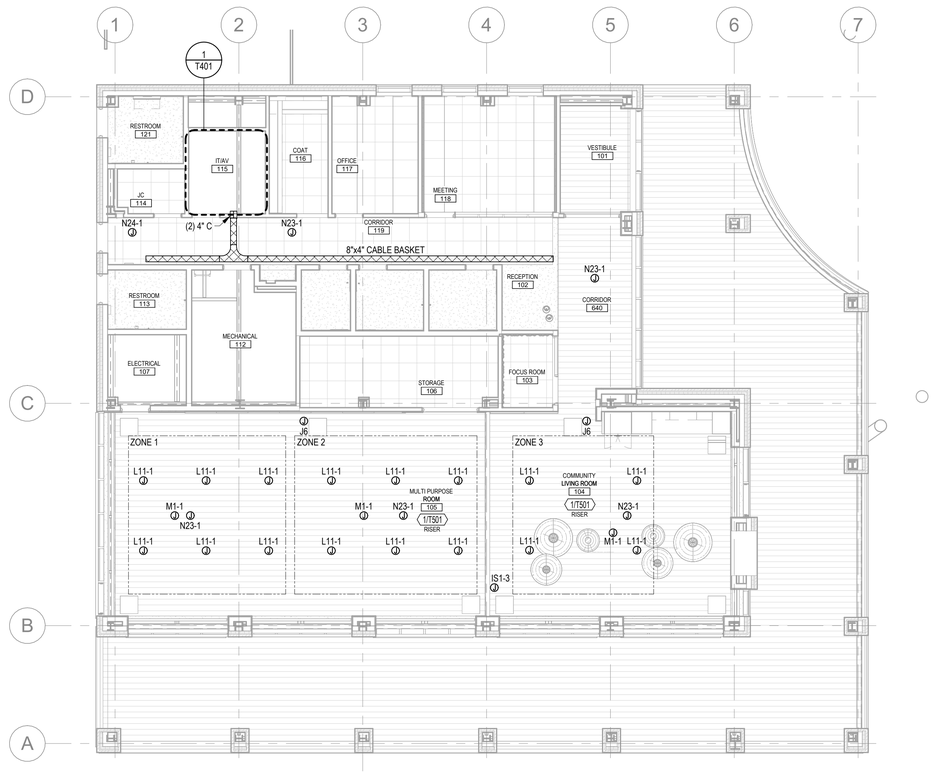
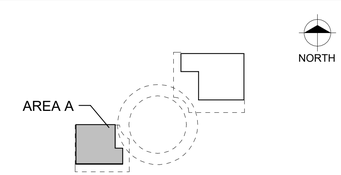
SHEET NOTES - INFRA RCP

1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS



1 / T201A TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - FLOOR AREA A
1/8" = 1'-0"

KEY PLAN



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REVISIONS

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Drawn By	TGAUNTNER
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Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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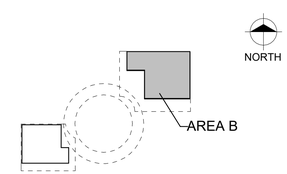
SHEET NOTES - INFRA RCP

1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS

1 / T201B TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - FLOOR AREA B
1/8" = 1'-0"

KEY PLAN



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Manager	CKRETOVIC

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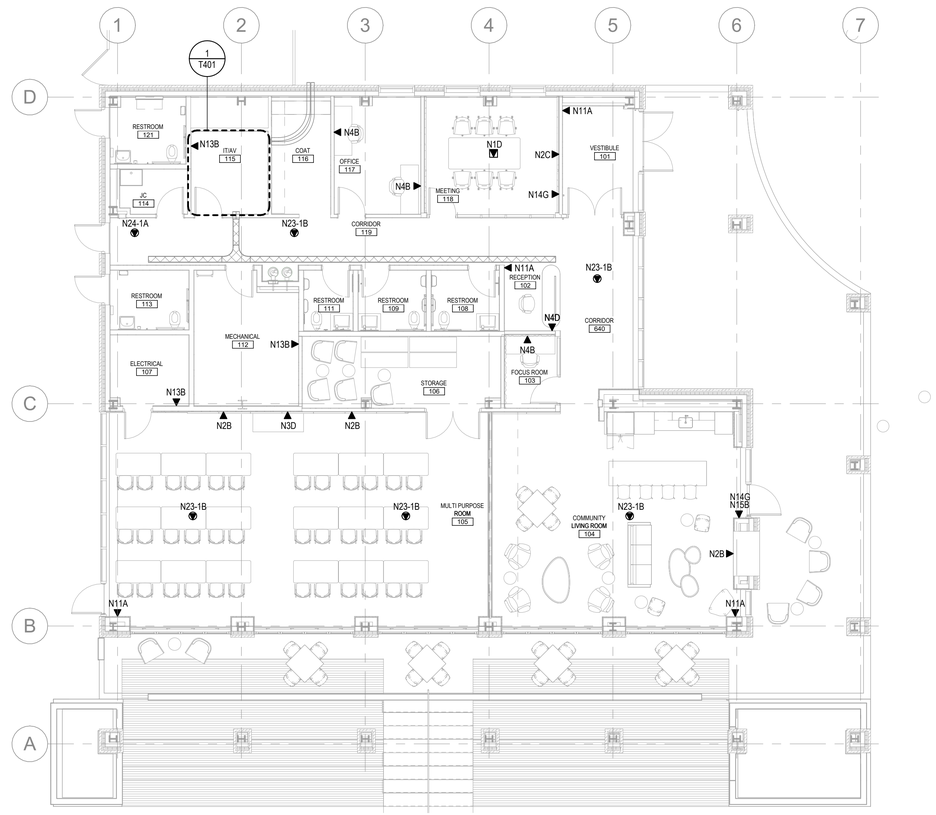
SHEET NOTES - TELECOM

1	REFER TO SHEET T001 FOR ALL TELECOM GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL TELECOM SCHEDULES AND LEGENDS

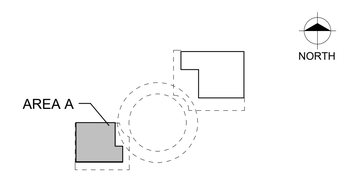
TELECOM CABLING LEGEND

TYPE	CAT6A	FIBER	COAX	REFERENCE DETAIL	NOTES
A	1	0	0	1/T901	-
B	2	0	0	1/T901	-
C	3	0	0	1/T901	-
D	4	0	0	1/T901	-
E	6	0	0	1/T901	-
G	1	0	0	1/T901	DIRECT CONNECT



1 / T301A TELECOM PLAN - FLOOR AREA A
1/8" = 1'-0"

KEY PLAN



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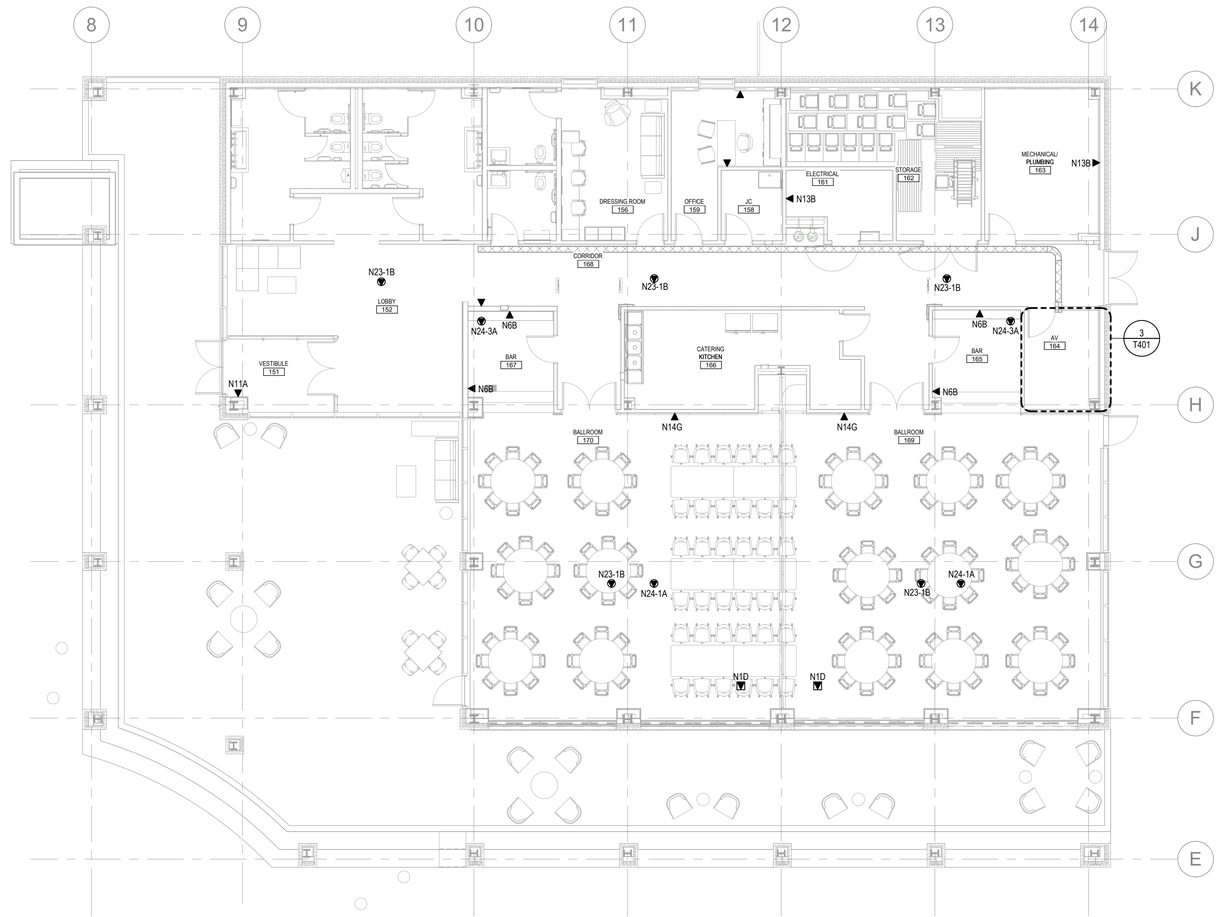
SHEET NOTES - TELECOM

1 REFER TO SHEET T001 FOR ALL TELECOM GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.

2 REFER TO SHEET T002 & T003 FOR ALL TELECOM SCHEDULES AND LEGENDS

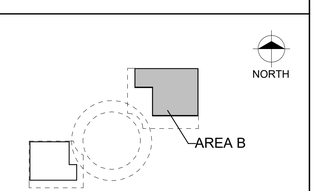
TELECOM CABLING LEGEND

TYPE	CAT6A	FIBER	COAX	REFERENCE DETAIL	NOTES
A	1	0	0	1/T901	-
B	2	0	0	1/T901	-
C	3	0	0	1/T901	-
D	4	0	0	1/T901	-
E	6	0	0	1/T901	-
G	1	0	0	1/T901	DIRECT CONNECT



1 / T301B TELECOM PLAN - FLOOR AREA B
1/8" = 1'-0"

KEY PLAN



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Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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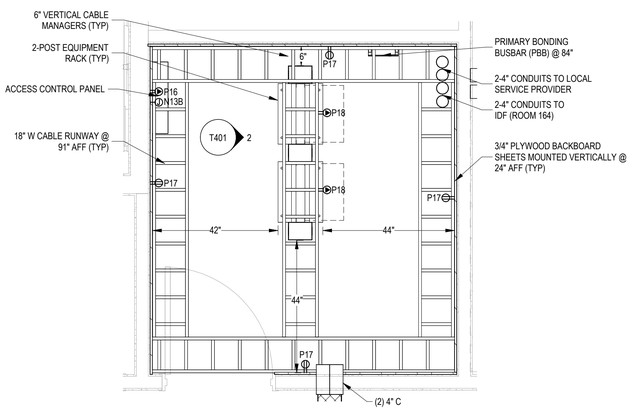
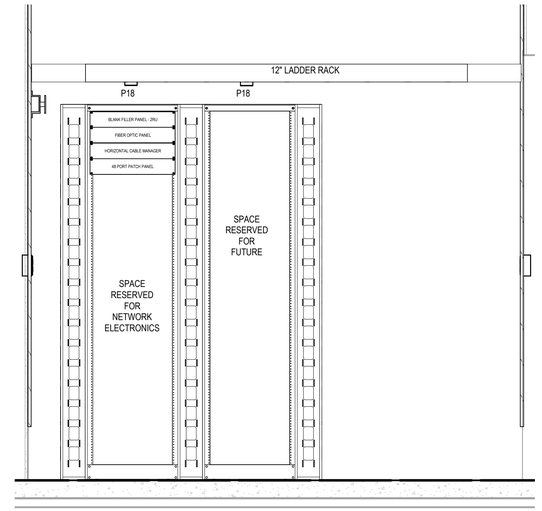
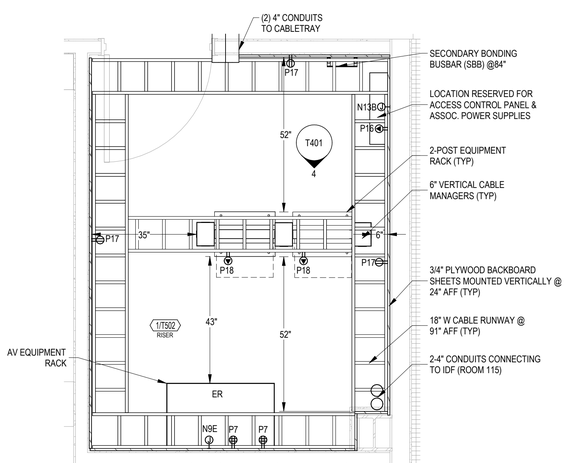


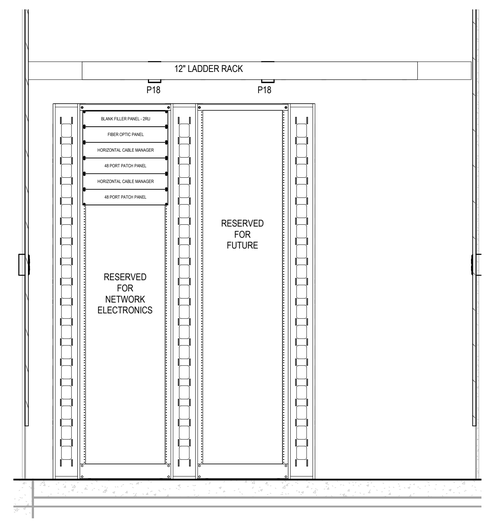
1 / T401 IT/AV 115 ENLARGED PLAN
1/2" = 1'-0"



2 / T401 IT/AV RACK ELEVATION
3/4" = 1'-0"



3 / T401 AV 164 ENLARGED PLAN
1/2" = 1'-0"



4 / T401 AV 164 RACK ELEVATION
3/4" = 1'-0"

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Van Buren Township, MI

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Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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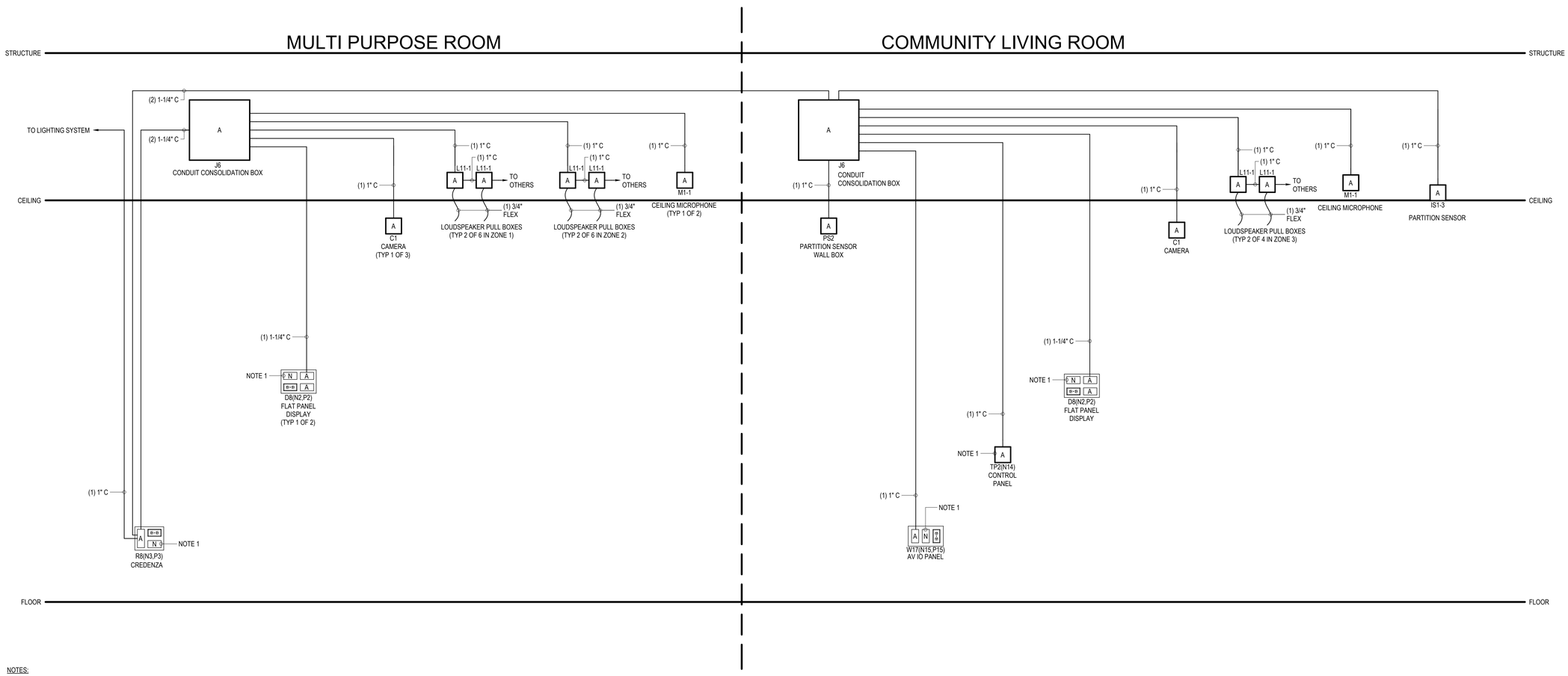

NOTES:

1. JUNCTION BOXES THAT ARE SHARED BY AV AND TELECOM, REFER TO TELECOM RISER DIAGRAM FOR ASSOCIATED CONDUIT SIZE AND PATHWAY REQUIREMENTS.

1 / T501 MULTI PURPOSE ROOM / COMMUNITY LIVING ROOM
NTS

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Reviewer	DCHITTY, KKERSTETTER
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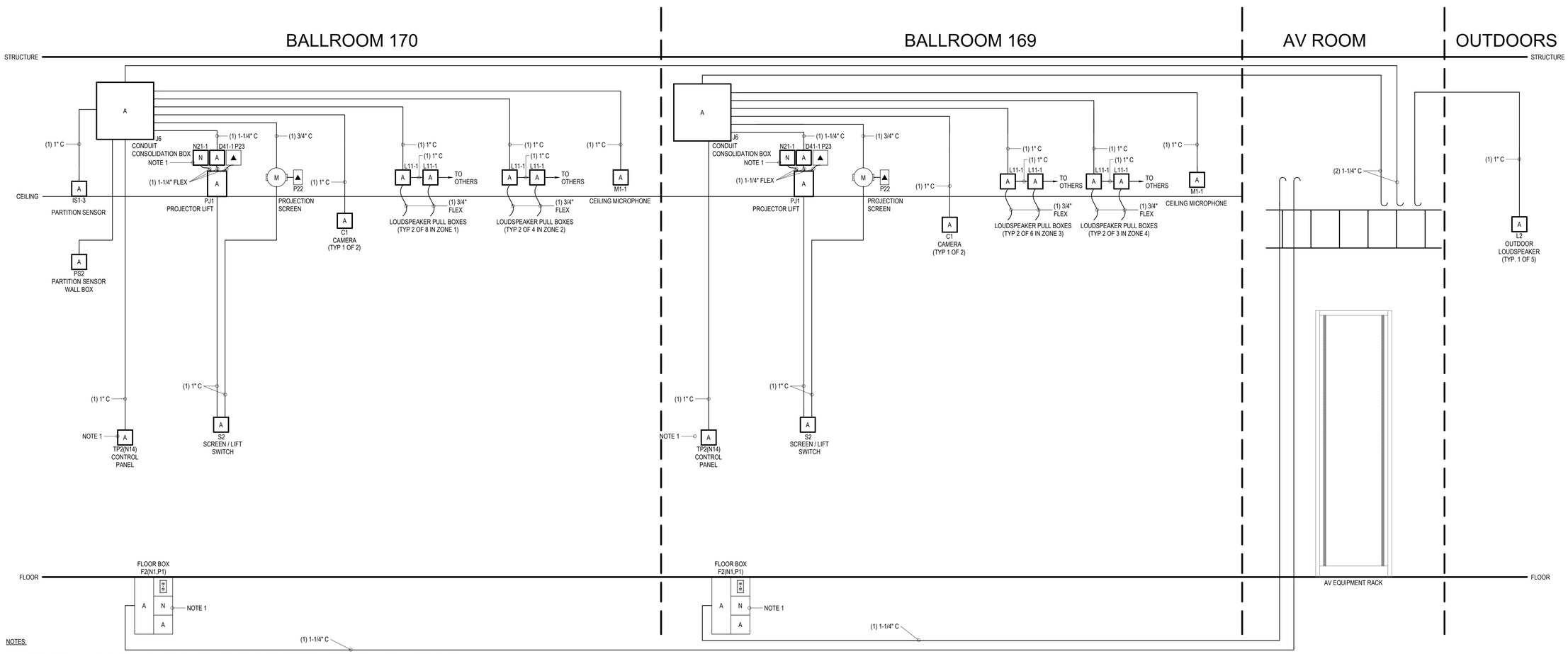

NOTES:

1. JUNCTION BOXES THAT ARE SHARED BY AV AND TELECOM, REFER TO TELECOM RISER DIAGRAM FOR ASSOCIATED CONDUIT SIZE AND PATHWAY REQUIREMENTS.

1 / T502 BALLROOM / AV ROOM
NTS

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Reviewer	DCHITTY, KKERSTETTER
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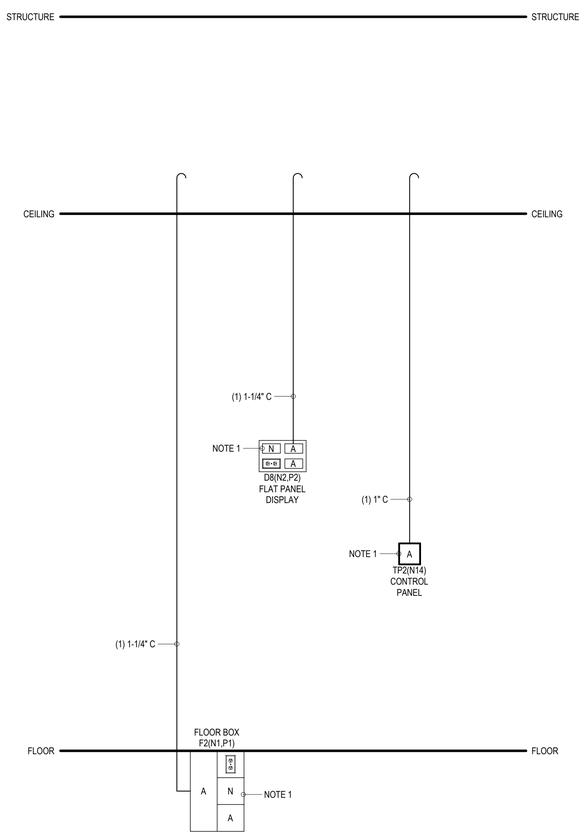
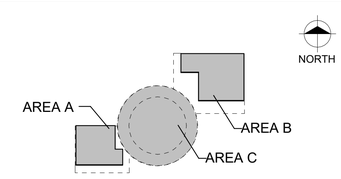


NOTES:

1. JUNCTION BOXES THAT ARE SHARED BY AV AND TELECOM, REFER TO TELECOM RISER DIAGRAM FOR ASSOCIATED CONDUIT SIZE AND PATHWAY REQUIREMENTS.

1 / T503 MEETING ROOM
NTS

KEY PLAN



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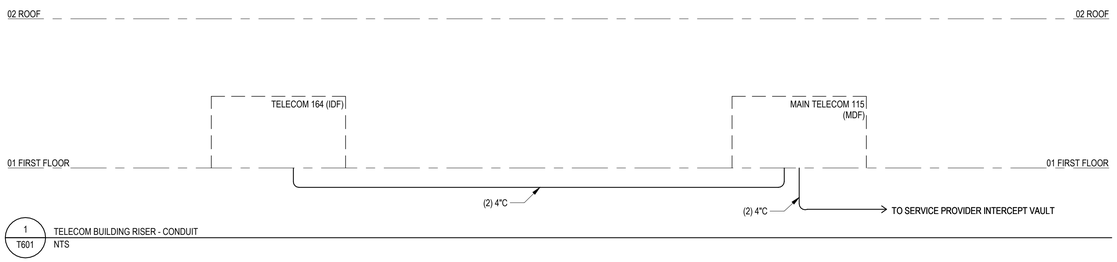
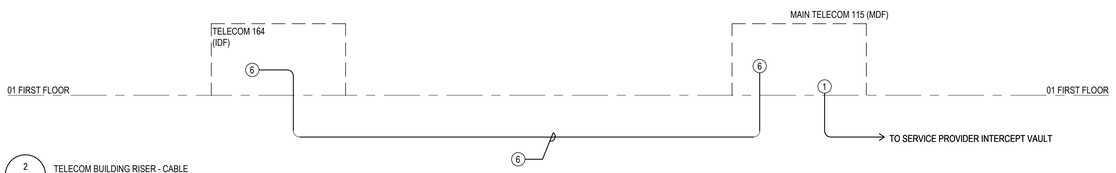
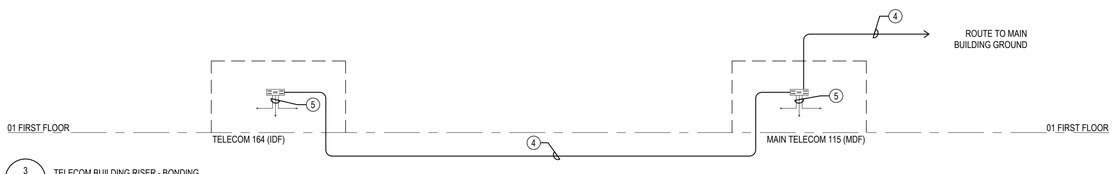


1 / T601 TELECOM BUILDING RISER - CONDUIT
NTS



2 / T601 TELECOM BUILDING RISER - CABLE
NTS



3 / T601 TELECOM BUILDING RISER - BONDING
NTS

SHEET NOTES - TELECOM

1 ALL CABLE BASKET AND CONDUIT FOR TELECOM SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.

1 REFER TO SHEET T001 FOR ALL GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.

2 TELECOM BONDING BACKBONE (TBB) CONDUCTORS SHALL BE AS SIZED BY THE ELECTRICAL ENGINEER AND SHALL BE FURNISHED AND INSTALLED BY DIVISION 26.

3 6 AWG TBB CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY DIVISION 27. INDIVIDUAL "HOME" RUNS SHALL BE MADE FROM THE TMGB/TGB TO EACH OPEN FRAME EQUIPMENT RACK. RACKS SHALL NOT BE DAISY CHAINED.

4 CABLE RUNWAY WITHIN MDF AND TELECOM ROOM SPACES SHALL BE FURNISHED AND INSTALL BY DIVISION 27. 6 AWG GROUND CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY DIVISION 27. EACH CABLE RUNWAY ASSEMBLY SHALL HAVE A MINIMUM OF ONE "HOME" RUN BACK TO THE TGB. ALL CONTIGUOUS CABLE RUNWAY SEGMENTS SHALL BE BONDED TOGETHER USING 6 AWG STRAPS AND GROUNDED ACCORDING TO SPECIFICATIONS.

BUILDING RISER CABLE SCHEDULE

(#) X (CABLES)

DESIGNATION	CABLE TYPE	CABLE CONFIGURATION
1	OPTICAL	FIBER SERVICE ENTRANCE (NOT IN CONTRACT)
2	NOT USED	REFER O SHEET T002 & T003 FOR ALL TECHNOLOGY INFRASTRUCTURE SCHEDULES AND LEGENDS
3	NOT USED	UNPROTECTED COPPER. SRVICE ENTRANCE (NOT IN CONTRACT)
4	COPPER	TELECOM BONDING BACKBONE (TBB) INCLUDING ASSOCIATED PATHWAYS BY DIVISION 26
5	COPPER	6 AWG STRANDED GROUND CONDUCTOR BY DIVISION 27 (WITHIN MDF AND TELE/DATA SPACES)
6	OPTICAL	(12) FOSM + (24) FOMM, MDF TO IDF

TBB/BCC CONDUCTOR SIZE VS LENGTH

TBB/BCC LINEAR LENGHT M (FT)	CONDUCTOR SIZE (AWG)
LESS THAN 4 (13)	6
4-6 (14-20)	4
6-8 (21-26)	3
8-10 (27-33)	2
10-13 (34-41)	1
13-16 (42-52)	1/0
16-20 (53-66)	2/0
20-26 (67-84)	3/0
26-32 (85-105)	4/0
32-38 (106-125)	250 KCMIL
38-46 (126-150)	300 KCMIL
48-53 (151-175)	350 KCMIL
53-76 (176-250)	500 KCMIL
76-91 (251-300)	600 KCMIL
GREATER THAN 91 (301)	750 KCMIL

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REVISIONS

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Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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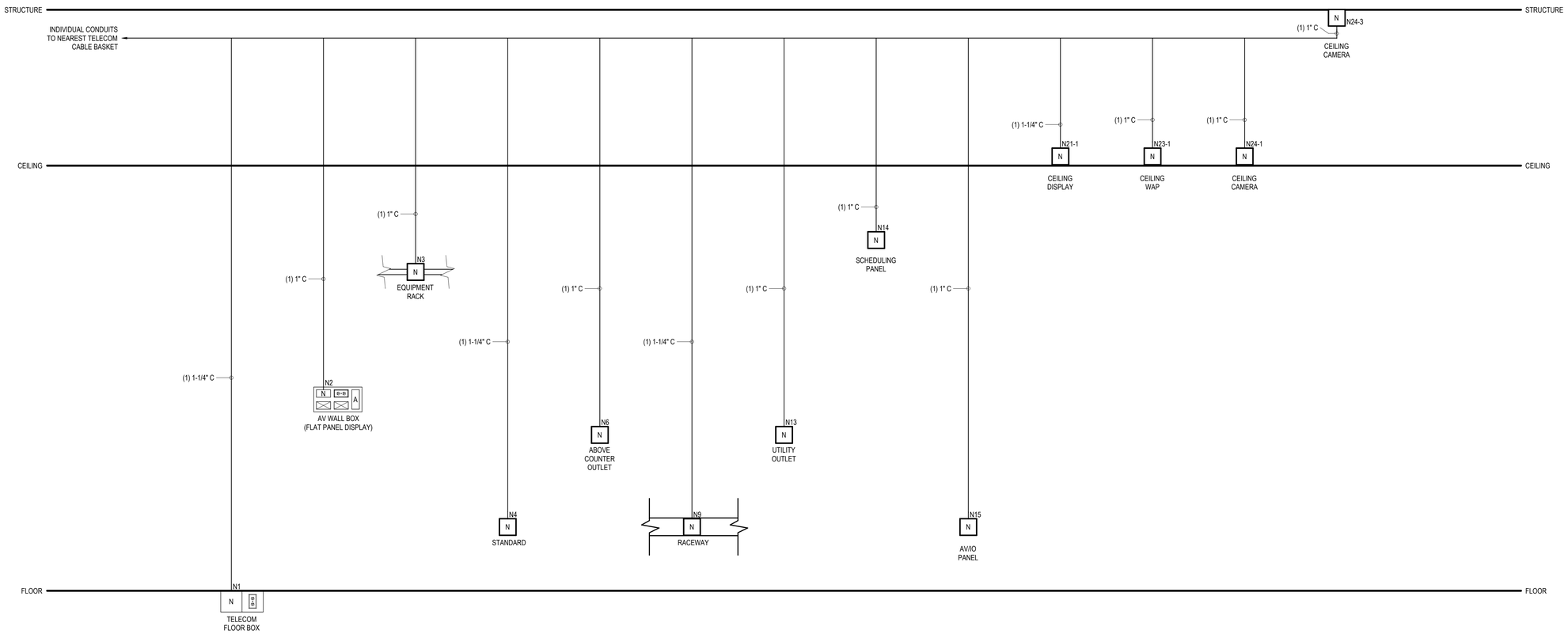

NOTES:

1. JUNCTION BOXES THAT ARE SHARED BY AV AND TELECOM, REFER TO AUDIOVISUAL INFRASTRUCTURE ROOM RISERS FOR ASSOCIATED CONDUIT SIZE AND PATHWAY REQUIREMENTS.

2 / T602 TELECOM TYPICAL CONDUIT RISER
NTS

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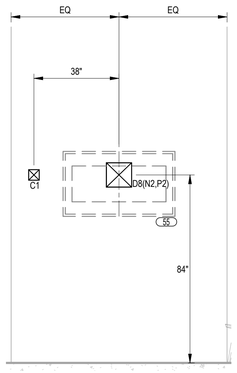
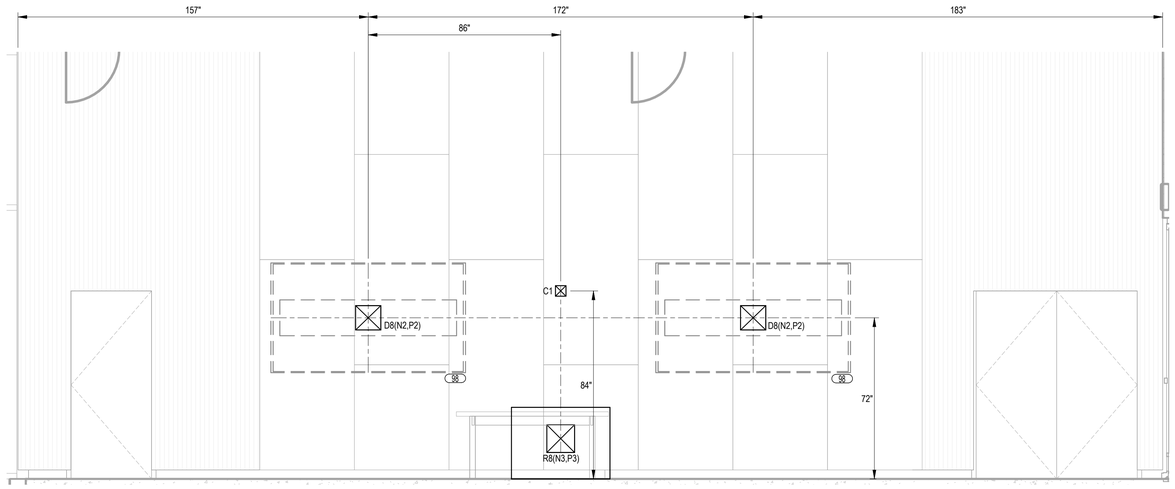
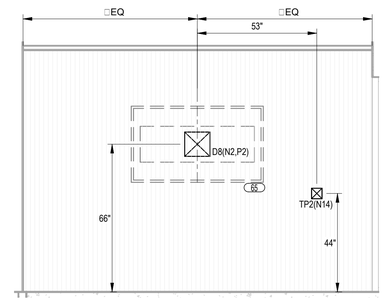


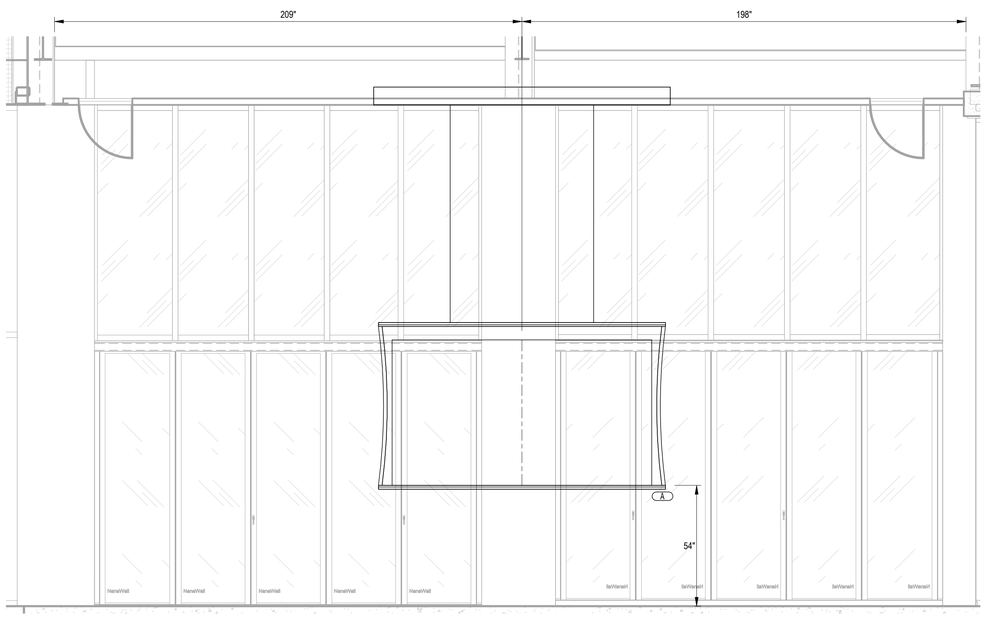
1 / T701 104 - COMMUNITY LIVING ROOM
3/8" = 1'-0"



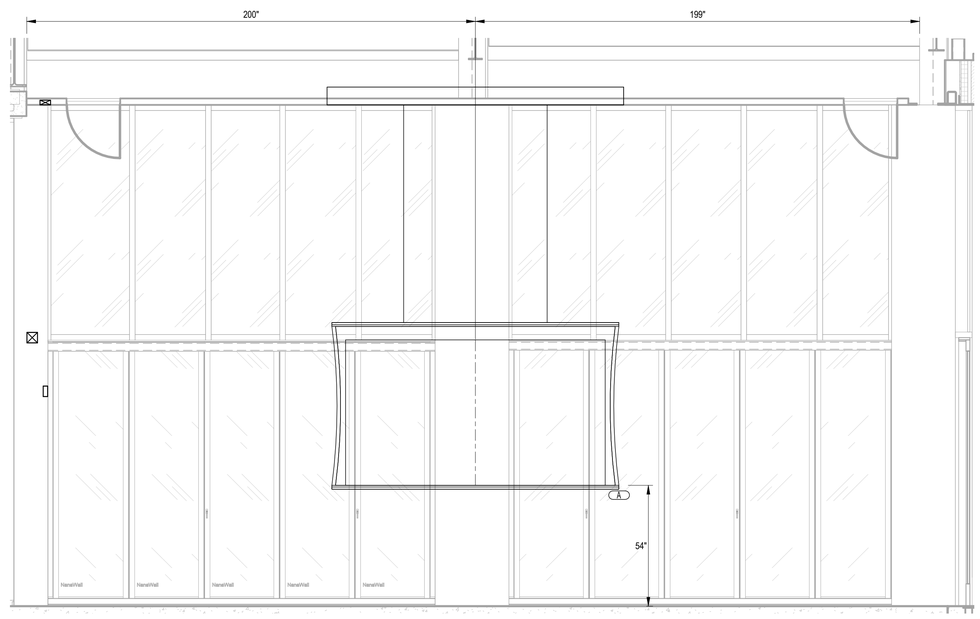
2 / T701 105 - MULTI PURPOSE ROOM
3/8" = 1'-0"



3 / T701 118 - MEETING
3/8" = 1'-0"



4 / T701 169 - BALLROOM
3/8" = 1'-0"



5 / T701 170 - BALLROOM
3/8" = 1'-0"

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Van Buren Township, MI

The Lakeside Park

REVISIONS

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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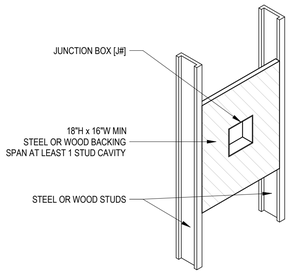
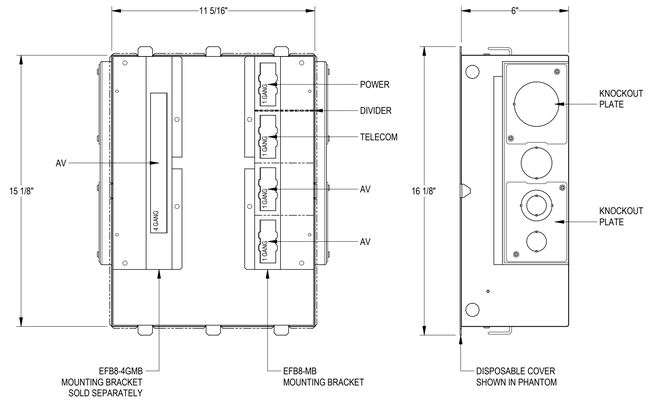


NOTES:

1. BACKING TO SPAN AT LEAST 1 STUD CAVITY.
2. SEE ARCHITECTURAL DRAWINGS FOR STUD SIZE AND TYPE.
3. VERIFY LOCATIONS OF BACKING PLATES WITH TECHNOLOGY DRAWINGS.

1 / T801 WALL MOUNTED JUNCTION BOX BACKING
NTS

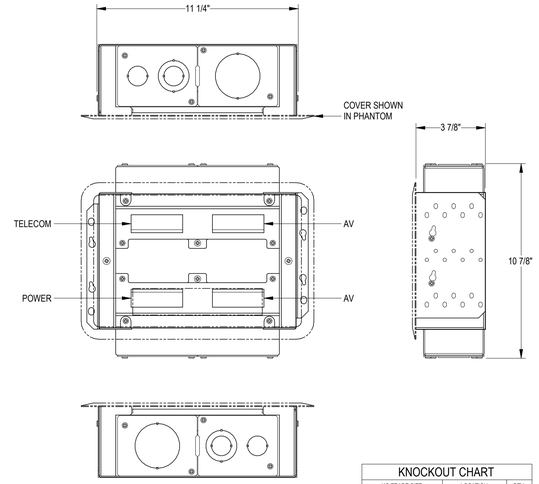


NOTES:

1.KNOCKOUT PLATES SHOWN COME WITH THE BOX. ADDITIONAL KNOCKOUT PLATES SHALL BE ORDERED AS NECESSARY TO MEET THE CONDUIT REQUIREMENTS FROM THE AUDIOVISUAL INFRASTRUCTURE ROOM RISERS AND THE TELECOM TYPICAL CONDUIT RISER.
2.(2) EFB8-MB MOUNTING BRACKETS COME WITH THE BOX. (1) EFB8-4GMB MOUNTING BRACKET SHALL BE ORDERED SEPARATELY.

KNOCKOUT CHART		
KO TRADE SIZE	LOCATION	QTY.
1-1/4"	FRONT & BACK	4
1"	BOTTOM	8
2"	SIDES	2
3/4", 1-1/4"	SIDES	2
1-1/4"	SIDES	2
3/4"	SIDES	2

2 / T801 WIREMOLD EFB8S 8-GANG FLOOR BOX W/ EFB8-4GMB
NTS

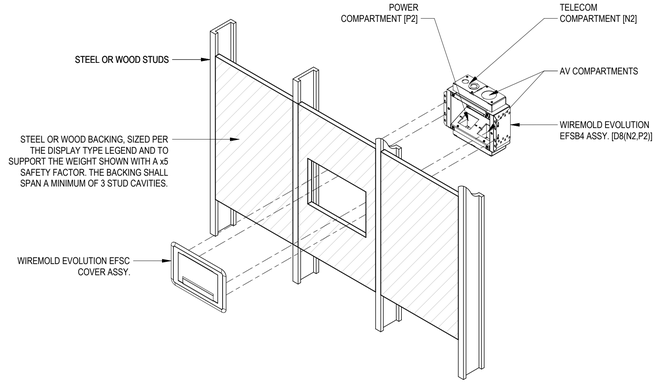


NOTES:

1.BOX IS SUPPLIED WITH (2) 3/4, 1-1/4" KNOCKOUT PLATES AND (2) 2" KNOCKOUT PLATES. ADDITIONAL KNOCKOUT PLATES SHALL BE ORDERED AS NECESSARY TO MEET THE CONDUIT REQUIREMENTS FROM THE AUDIOVISUAL INFRASTRUCTURE ROOM RISERS AND THE TELECOM TYPICAL CONDUIT RISER.

KNOCKOUT CHART		
KO TRADE SIZE	LOCATION	QTY.
3/4"	TOP	1
3/4", 1-1/4"	TOP	1
2"	TOP	1
3/4"	BOTTOM	1
3/4", 1-1/4"	BOTTOM	1
2"	BOTTOM	1

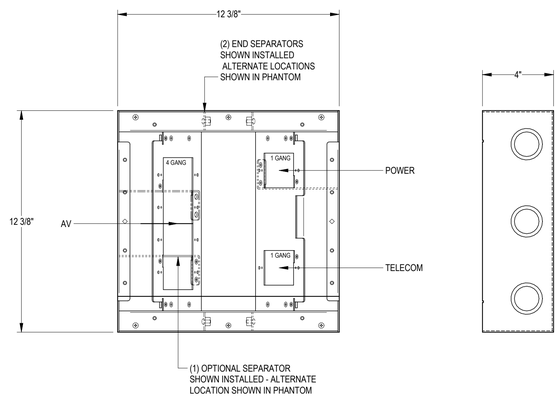
3 / T801 WIREMOLD EVOLUTION EFSB4 FLAT PANEL DISPLAY WALL BOX
NTS



NOTES:

1. BACKING CENTERED AT LOCATION OF FLAT PANEL DISPLAY.
2. ALWAYS SPAN BETWEEN AT LEAST THREE STUD CAVITIES.
3. SEE PARTITION TYPES FOR STUD SIZE AND MATERIAL.
4. VERIFY LOCATIONS OF BACKING WITH PLANS & ROOM ELEVATIONS.
5. FLAT PANEL DISPLAYS AND MOUNTING BRACKETS BY AV CONTRACTOR.

4 / T801 WIREMOLD EVOLUTION EFSB4 FLAT PANEL DISPLAY AND WALL BOX BACKING
NTS

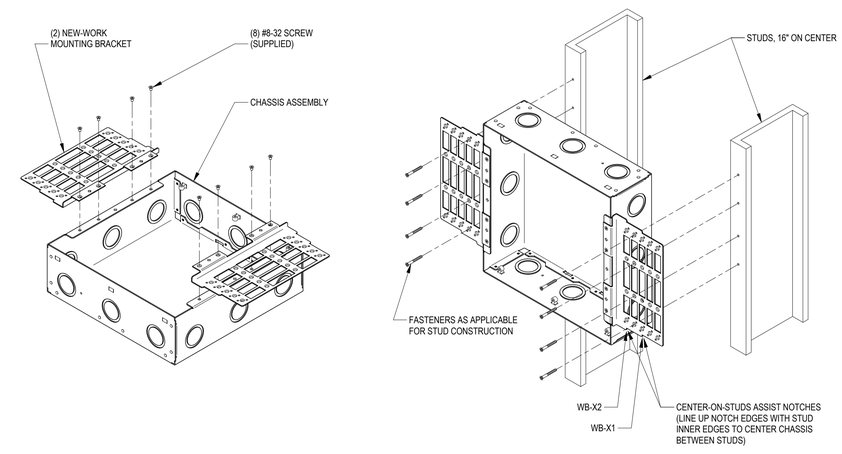


NOTES:

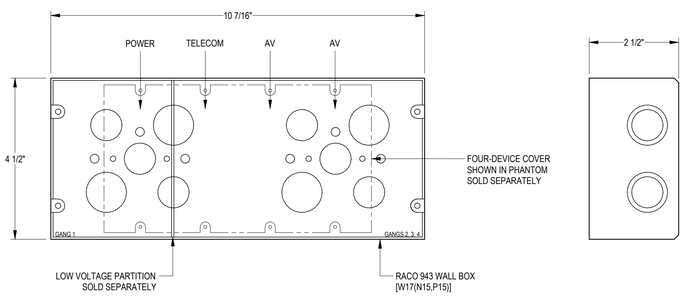
1. KNOCKOUTS (KO'S) ARE SYMMETRICAL ABOUT THE BOX.

KNOCKOUT CHART		
KO TRADE SIZE	LOCATION	QTY.
1", 1-1/4"	TOP & BOTTOM	6
1", 1-1/4"	SIDES	6

5 / T801 FSR WB-X2-GNG WALL BOX
NTS



6 / T801 FSR WB-X1/WB-X2 WALL BOX INSTALLATION
NTS



7 / T801 RACO 943 WALL BOX
NTS

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Van Buren Township, MI

The Lakeside Park

REVISIONS

10/12/2026 BID AND PERMIT SET

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Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

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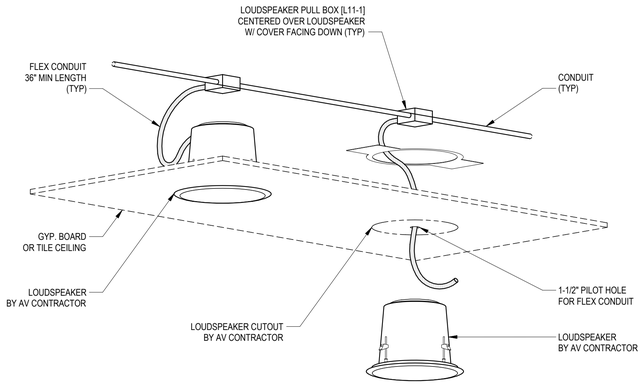
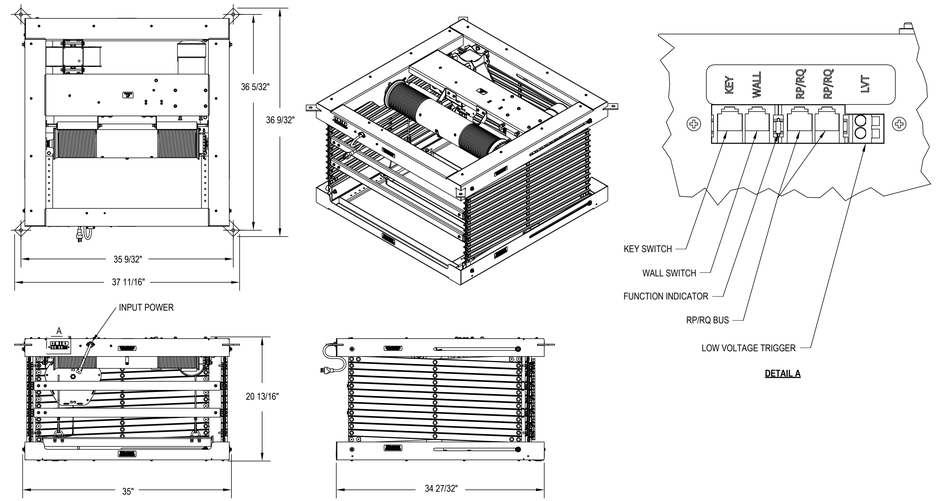


NOTES:

1. UNLESS OTHERWISE INDICATED GENERAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. GENERAL CONTRACTOR TO PROVIDE PULL STRINGS IN ALL CONDUITS.

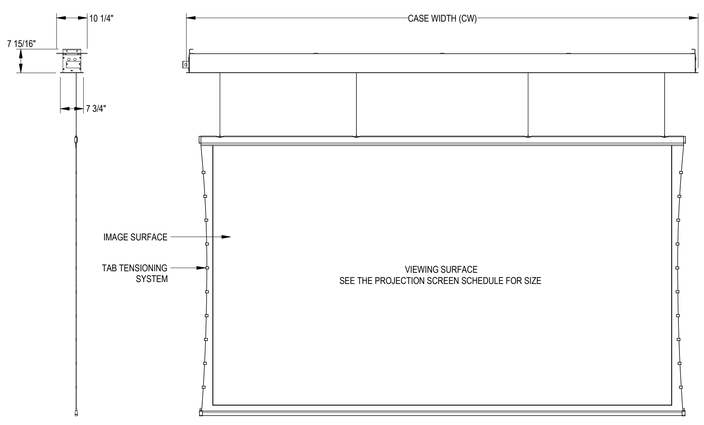
1 / T802 LOUDSPEAKER INSTALLATION FOR LAY-IN OR GYP. BOARD CEILING
NTS



NOTES:

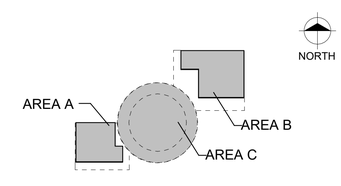
1. PROVIDE MODEL WITH EXTENDED HEIGHT THAT ALLOWS FOR MAINTENANCE POSITION OF 6' AFF.
2. CONTRACTOR TO HARDWIRE ELECTRICAL TO THE LIFT AND ENSURE A RECEPTACLE IS INCLUDED WITHIN. REFER TO MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE FINISH PER NOTES ON T002 WITH RS-232 CONTROL MODULE, RS-232 CABLE HARNESS, AND HDMI CABLE HARNESS.

2 / T802 DRAPER SLX SCISSOR PROJECTOR LIFT
NTS



3 / T802 DA-LITE TENSIONED ADVANTAGE SIGHTLINE PROJECTION SCREEN
1/2" = 1'-0"

KEY PLAN



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The Lakeside Park

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Reviewer	DCHITTY, KKERSTETTER
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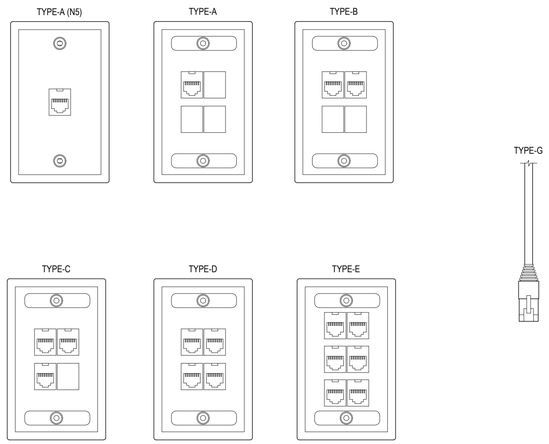
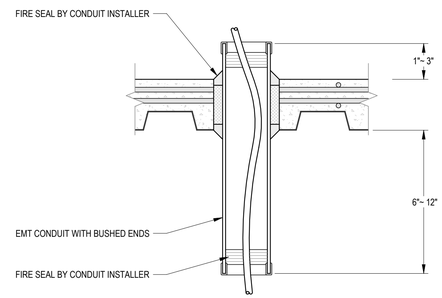


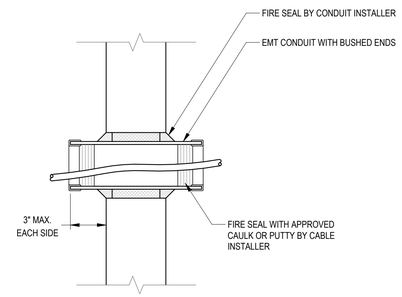
NOTES:

1. CONTRACTOR MUST PROVIDE THE NECESSARY SPECIALTY TERMINATION PLATES AND / OR ADAPTERS FOR FLOOR BOXES, POKE-THRUS, SPECIALTY BOXES. REFER TO TECHNOLOGY LEGEND NOTES, DETAILS, AND MANUFACTURER FOR MORE INFORMATION.

1 / T901 TELECOM FACEPLATES
NTS

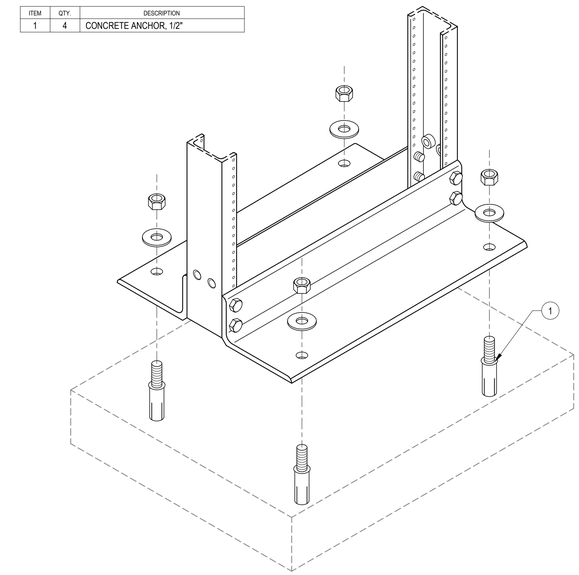


2 / T901 CONDUIT SLEEVE SECTION - THRU FLOOR SLAB
NTS

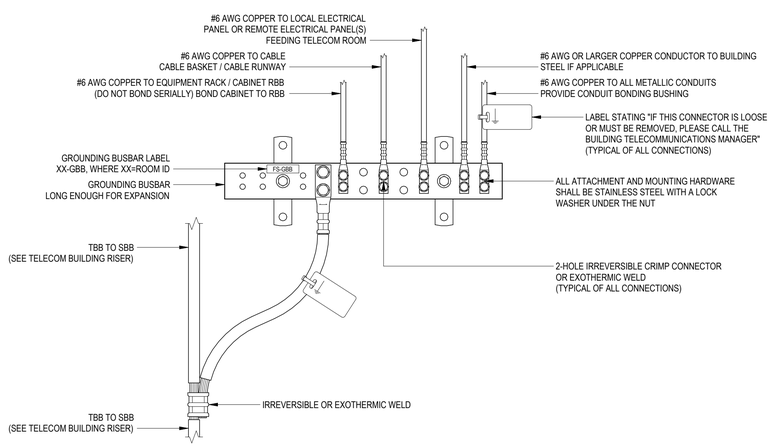


3 / T901 CONDUIT SECTION - THRU FIRE RATED WALL
NTS

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



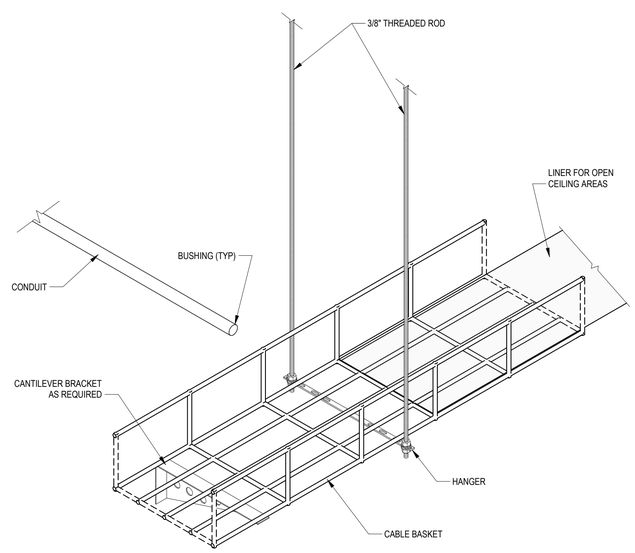
5 / T901 FLOOR STANDING RACK MOUNT ASSEMBLY (2-POST)
NTS



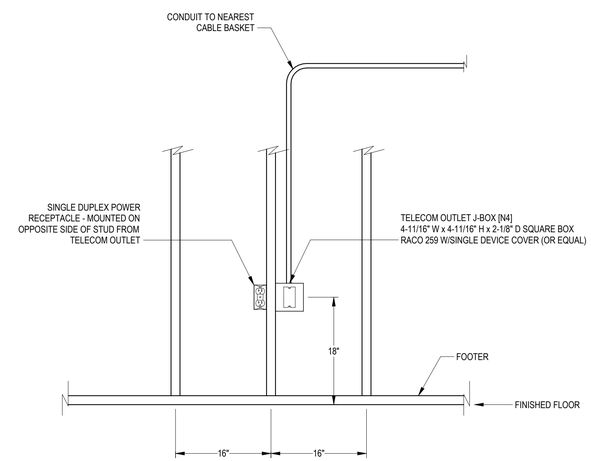
NOTES:

1. REFER TO ANSI/TIA-607-D FOR GROUNDING AND BONDING SPECIFICATIONS.
2. ALL BONDING CONDUCTORS SHALL BE IRREVERSIBLE CRIMP OR EXOTHERMIC WELD WHERE ACCESSIBLE, AND EXOTHERMIC WELD ONLY WHERE INSPECTION IS IMPRACTICAL.
3. REFER TO THE TELECOM BUILDING RISER FOR TBB AND BBC SIZES.
4. WHERE INSULATED, BONDING CONDUCTORS SHALL BE GREEN, GREEN WITH A YELLOW STRIPE OR MARKED WITH A DISTINCTIVE GREEN COLOR.
5. DO NOT SPLICE THE TBB OR BBC UNLESS NECESSARY, AND THE BUSBAR SHALL NOT BE USED TO JOIN SECTIONS OF THE TBB.
6. BUSBAR CONNECTIONS SHALL BE CLEANED AND ANTIOXIDANT GREASE SHOULD BE APPLIED PRIOR TO MATING SURFACES PRIOR TO FASTENING CONNECTORS TO THE BUSBAR.
7. THE INSIDE BEND RADIUS OF ALL BONDING CONDUCTORS ATTACHED TO THE PBB SHALL HAVE AN INSIDE BEND RADIUS OF 8 IN, 200 MM. AT OTHER LOCATIONS, BENDS IN THE BONDING CONDUCTORS SHOULD BE LIMITED TO THE GREATEST PRACTICAL INSIDE BEND RADIUS WITH A MINIMUM BEND RADIUS OF 10 TIMES THE BONDING CONDUCTOR DIAMETER RECOMMENDED. IN ALL CASES, THE MINIMUM BEND RADIUS ANGLE SHALL BE 90° OR GREATER.
8. MAINTAIN A MINIMUM OF 2" OF SEPARATION FROM ALL ELECTRICAL CONDUCTORS.

4 / T901 GROUNDING BUSBAR
NTS



6 / T901 SUPPORT - SINGLE CABLE BASKET
NTS



NOTES:

1. LOCATE POWER RECEPTACLE ON SIDE OF STUD CLOSEST TO ROOM ENTRANCE.
2. POWER RECEPTACLE TO BE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET.
3. SEE THE "TELECOM TYPICAL CONDUIT RISER" 1/T602 FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE.

7 / T901 TELECOM OUTLET LOCATION WITH SINGLE DUPLEX POWER RECEPTACLE
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