

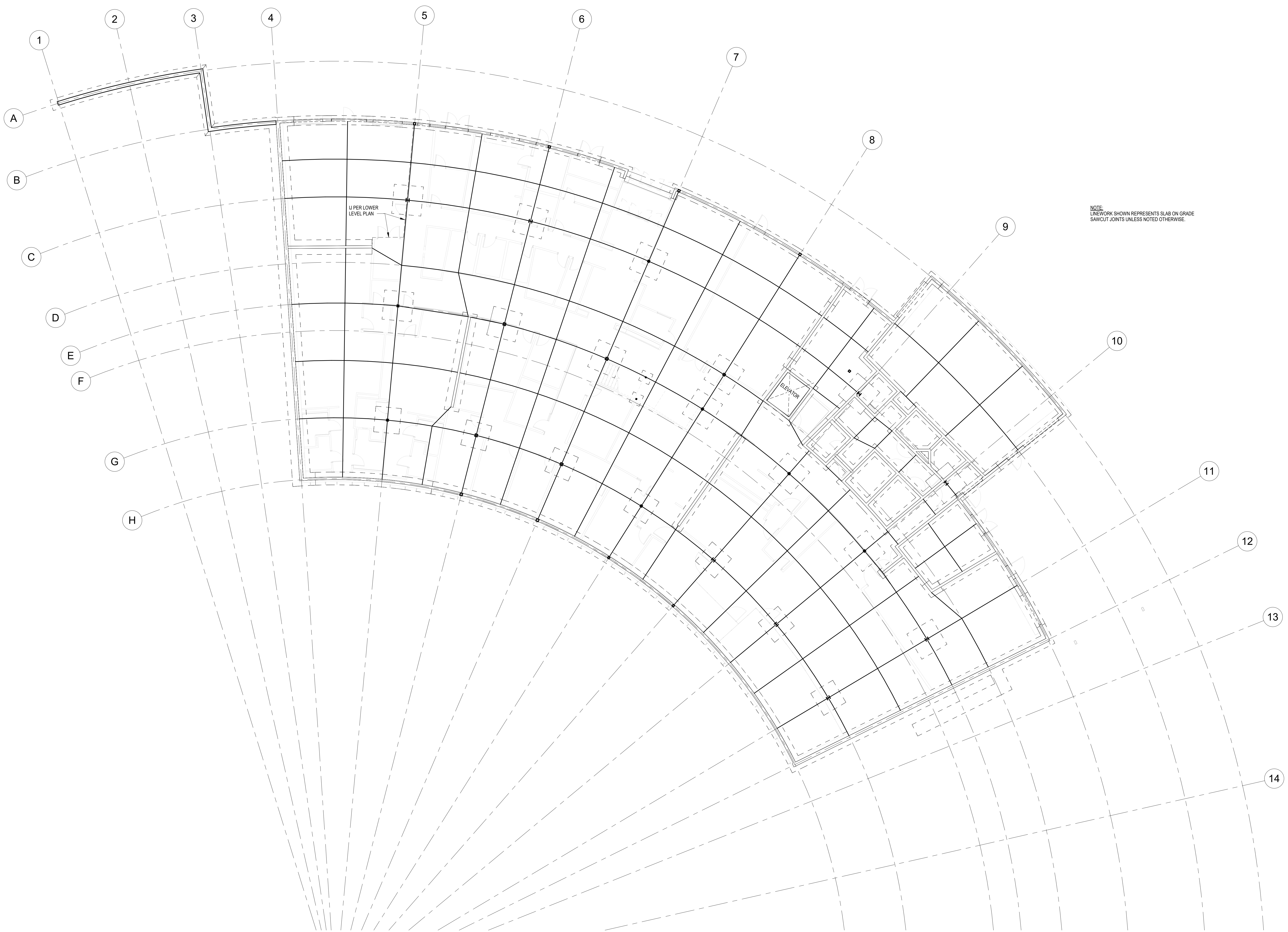


**NEW POLICE STATION**  
**CITY OF LACEY**  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21  
REVISIONS:  
ADDENDUM NO. 03 10.26.2023

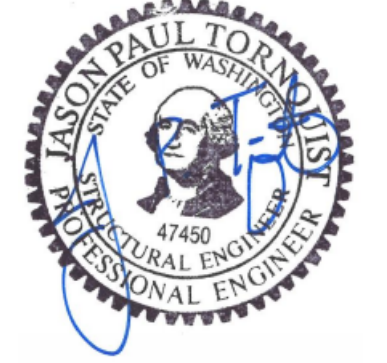
DATE:  
09.14.2023  
100% DESIGN

SHEET NO.  
**S-106**  
LOWER LEVEL PLAN - SLAB  
ON GRADE JOINT PLAN



**1 LOWER LEVEL - SLAB ON GRADE JOINT PLAN**  
SCALE: 3/32" = 1'-0"





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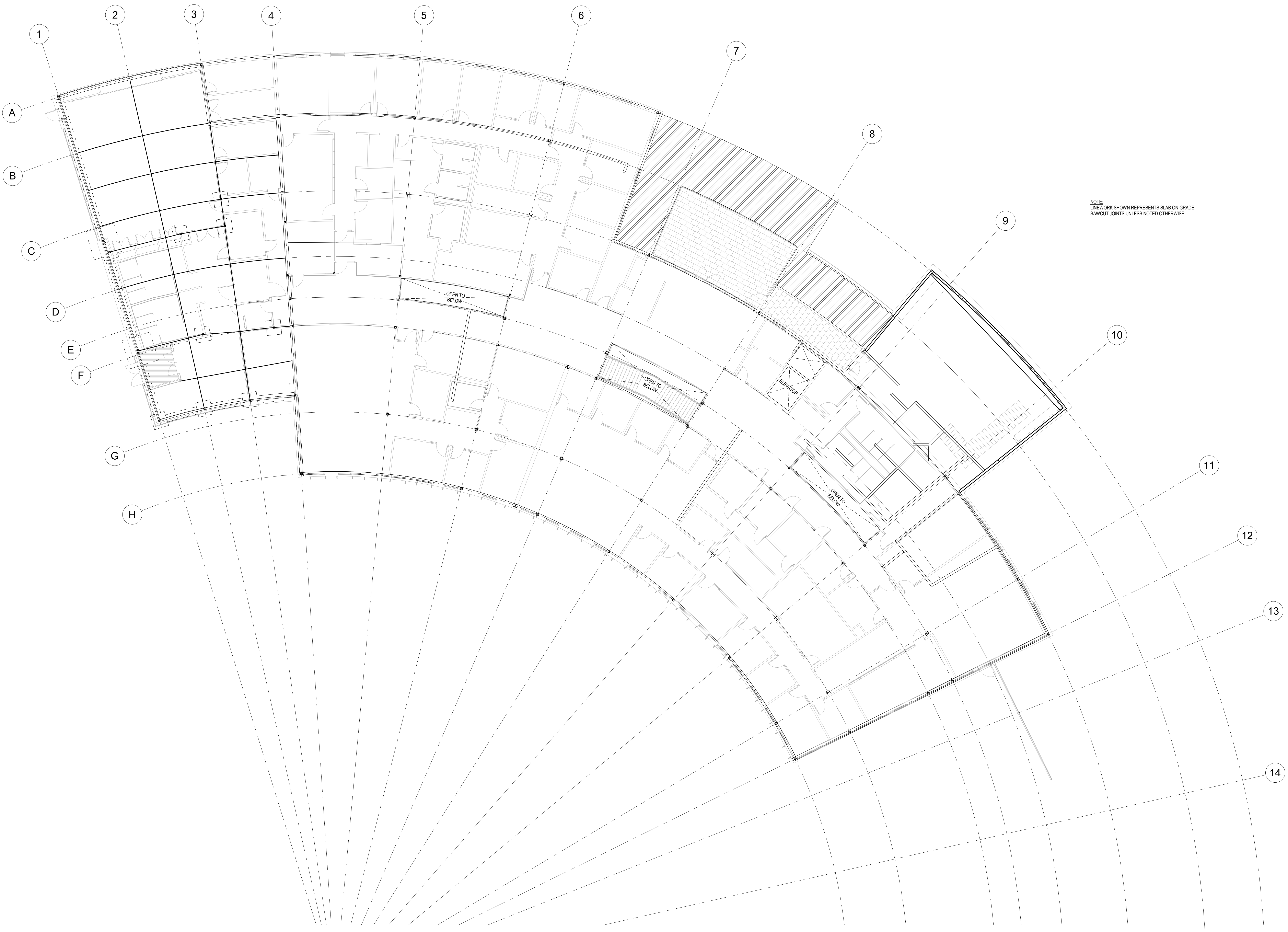
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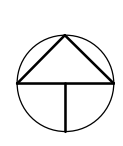
SHEET NO.  
**S-107**  
UPPER LEVEL - SLAB ON  
GRADE JOINT PLAN

SHEET 83.2 OF 314



NOTE:  
LINEWORK SHOWN REPRESENTS SLAB ON GRADE  
SAWCUT JOINTS UNLESS NOTED OTHERWISE.

**1 UPPER LEVEL - SLAB ON GRADE JOINT PLAN**  
SCALE: 3/32" = 1'-0"







## KEYNOTES

- 1' THICK SLAB ON GRADE, REINFORCE WITH #4 AT 16" OC EACH WAY AT SLAB MID-DEPTH. SEE TYPICAL DETAILS FOR CONSTRUCTION.
- 8" THICK SLAB ON GRADE, REINFORCE WITH #4 AT 16" OC EACH WAY, TOP AND BOTTOM. SEE TYPICAL DETAILS FOR CONSTRUCTION - TYPICAL AT HATCHED SLAB AREA(S).
- THICKENED SLAB BELOW STAIR - SEE DETAIL 1 / S-302
- STEEL FRAMED STAIR: HSS 12x4 STRINGERS WITH PRECAST TREADS. SEE DETAIL 5 / S-505
- TURNED DOWN SLAB EDGE AT EDGE OF EXTERIOR SLAB ON GRADE. SEE DETAIL 7 / S-301
- BLOCKOUT AT COLUMN, SEE TYPICAL DETAILS
- ISOLATION JOINT IN SLAB ON GRADE.
- PROVIDE SLAB U AT FACE OF WALL PER TYPICAL DETAILS
- 3" TALL HOUSEKEEPING PAD, CONSTRUCT PER TYP DETAILS. COORDINATE EXACT SIZE AND LOCATION WITH AFFECTED TRADES.
- INTEGRAL 14"x8" PIER BELOW HSS COLUMN ABOVE: (4) #5 CORNER BARS AND #3 CLOSED HOOP TIES AT 12" OC, FULL HEIGHT OF PIER. PLACE BARS TO PROVIDE CLEARANCE PER SGNs PER TO EXTEND TO TOP OF WALL / BOTTOM OF COLUMN BASE PLATE. SEE DETAIL 10 / S-310
- PROVIDE PEDESTAL BELOW COLUMN AT THIS LOCATION - SEE DETAIL 6 / S-303

## GENERAL NOTES

- LOWER LEVEL FINISHED FLOOR ELEVATION EQUALS 178.50' AND UPPER FINISHED FLOOR ELEVATION EQUALS 183.00'. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING DATUM AND ELEVATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- TOP OF EXTERIOR FOOTING ELEVATION TO BE 18" BELOW FINISHED FLOOR AT THE ADJACENT LEVEL, TYPICAL UNLESS NOTED OTHERWISE.
- TOP OF INTERIOR FOOTING ELEVATION TO BE 12" BELOW FINISHED FLOOR AT THE ADJACENT LEVEL, TYPICAL UNLESS NOTED OTHERWISE.
- SEE CIVIL AND/OR LANDSCAPE DRAWINGS FOR ALL SITEWORK FOUNDATIONS, PAVING, AND SLABS.
- REFER TO PROJECT SPECIFICATIONS OR GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS.
- FOR GENERATOR FOUNDATION, SEE 15 / S-301
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF THICKENED, SLOPED, RAISED, OR DEPRESSED SLABS. LOCATIONS OF THESE ITEMS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
- SEE DETAIL 3 / S503 FOR SUPPORT OF ORNAMENTAL FINIS.
- UNLESS NOTED OTHERWISE, ALL MASONRY WALLS ARE MW-8A.

### CONTINUOUS FOOTING SCHEDULE

MARK	SIZE	REINFORCING
CF1.5	18"x8"	(2) #4 CONT AND #4 AT 32" TRANS
CF2.0	24"x8"	#5 BARS AT 12" OC EW, BOT
CF2.5	30"x12"	(3) #5 CONT AND #4 AT 24" OC TRANS
CF3	36"x12"	(4) #5 CONT AND #4 AT 24" OC TRANS
CF4	48"x12"	(5) #5 CONT AND #4 AT 24" OC TRANS
CF3.5	42"x12"	(4) #5 CONT AND #4 AT 24" OC TRANS
CF-6	60"x12"	(5) #5 CONT AND #4 AT 24" OC TRANS

### SPREAD FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F3	3'x3'x12"	(4) #5 EW
F4	4'x4'x14"	(5) #5 EW
F5	5'x5'x15"	(6) #5 EW
F7	7'x7'x18"	(8) #7 EW
F8	8'x8'x20"	(8) #7 EW

### COLUMN SCHEDULE

MARK	SIZE	BASE PLATE
C3	HSS3X3X1/4	9'x9'x5/8" UNO
C4	HSS4X4X1/4	12'x12'x3/4"
CS.A	HSS5X5X5/16	13'x13'x3/4"
CS.B	HSS5X5X1/4	13'x13'x3/4"
C6.2	HSS6X6X1/2	14'x14'x1"
C6.A	HSS6X6X3/8	14'x14'x1"
C6.B	HSS6X6X1/4	14'x14'x3/4"
C6.C	HSS6X6X5/16	14'x14'x3/4"
C7	HSS7X7X1/2	15'x15'x1"
C8	HSS8X8X3/8	16'x16'x1"
C10.W	W10X49	24'x24'x1 1/2"

### MASONRY WALL SCHEDULE

MARK	WIDTH	VERT. REINF.	HORIZ. REINF.
MW-8A	0' - 7' 5/8"	#6 AT 48" OC	(2) #6 AT 48" OC
MW-8B	0' - 7' 5/8"	#6 AT 16" OC	#6 AT 16" OC

## 1 LOWER LEVEL FOUNDATION PLAN - WEST

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

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**S-111**  
LOWER LEVEL PLAN - WEST







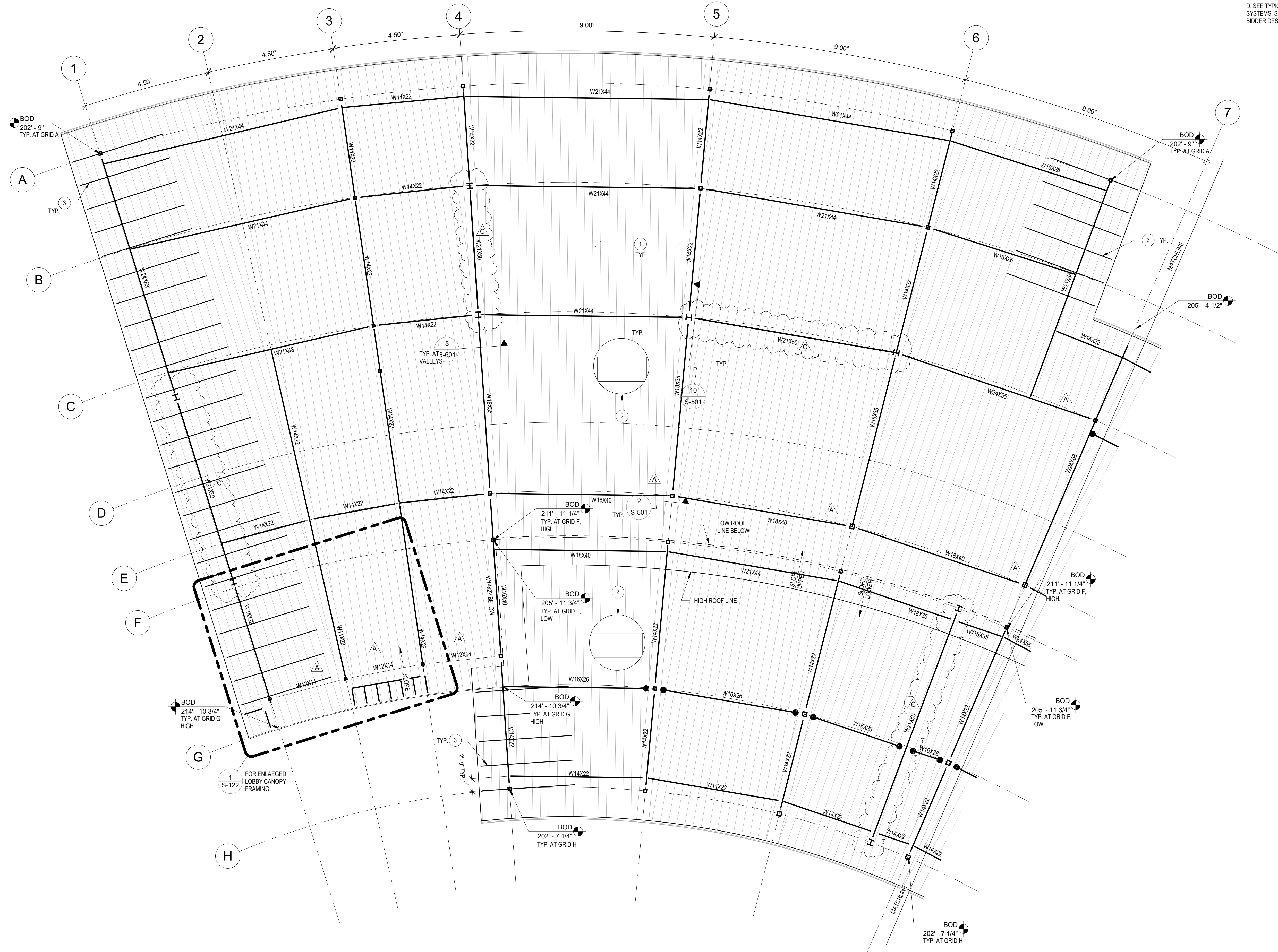


### KEYNOTES

1. 5-PLY CLT ROOF DECKING. SEE CLT PANEL LAYOUT PLANS FOR ORIENTATION.
2. OVER-SHEATH CLT PANELS WITH 5/8" PLYWOOD DECKING. STAGGER PANEL JOINTS AND NAIL TO CLT BELOW WITH 10d NAILS AT 4" OC AT PANEL EDGES AND 12" OC IN FIELD TYPICAL.
3. "OUTRIGGER" SUPPORT FOR CLT PANELS AT UNSUPPORTED EAVES. SEE DETAIL 11 / S-401 FOR SPACING, EXTENTS, AND ATTACHMENT TO PLANK.

### GENERAL NOTES

- A. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. "DBL" ON PLAN INDICATES A DOUBLE MEMBER OF SIZE INDICATED. "TPL" INDICATES A TRIPLE MEMBER OF THE SIZE INDICATED.
- C. SEE TYPICAL PARTITION DETAILS FOR REQUIRED BRACING OF ALL NON-STRUCTURAL PARTITION WALLS.
- D. SEE TYPICAL DETAILS FOR SUPPORT OF ALL SUSPENDED MEP DISTRIBUTION SYSTEMS. SEISMIC BRACING OF DISTRIBUTION SYSTEMS, IF REQUIRED, IS TO BE BIDDER DESIGNED.



**1 ROOF FRAMING PLAN - WEST**  
SCALE: 1/8" = 1'-0"

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SHEET NO.

**S-115**  
ROOF FRAMING PLAN - WEST





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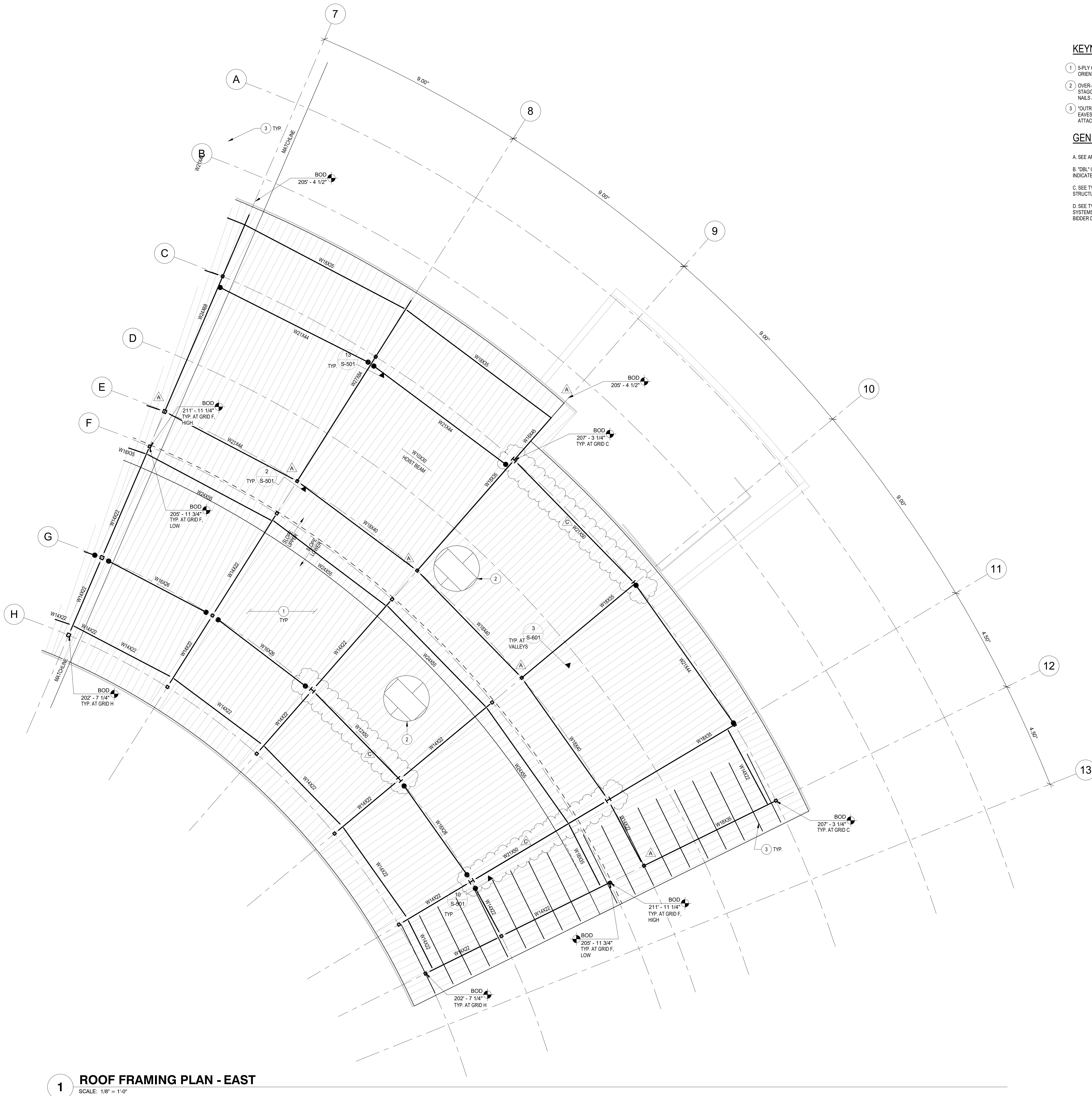
**S-116**  
ROOF FRAMING PLAN - EAST

**KEYNOTES**

- 1 5-PLY CLT ROOF DECKING. SEE CLT PANEL LAYOUT PLANS FOR ORIENTATION.
- 2 OVER-SHEATH CLT PANELS WITH 5/8" PLYWOOD DECKING. STAGGER PANEL JOINTS AND NAIL TO CLT BELOW WITH 10d NAILS AT 4" OC AT PANEL EDGES AND 12" OC IN FIELD TYPICAL.
- 3 "OUTRIGGER" SUPPORT FOR CLT PANELS AT UNSUPPORTED EAVES. SEE DETAIL 11 / S-601 FOR SPACING, EXTENTS, AND ATTACHMENT TO PLANK.

**GENERAL NOTES**

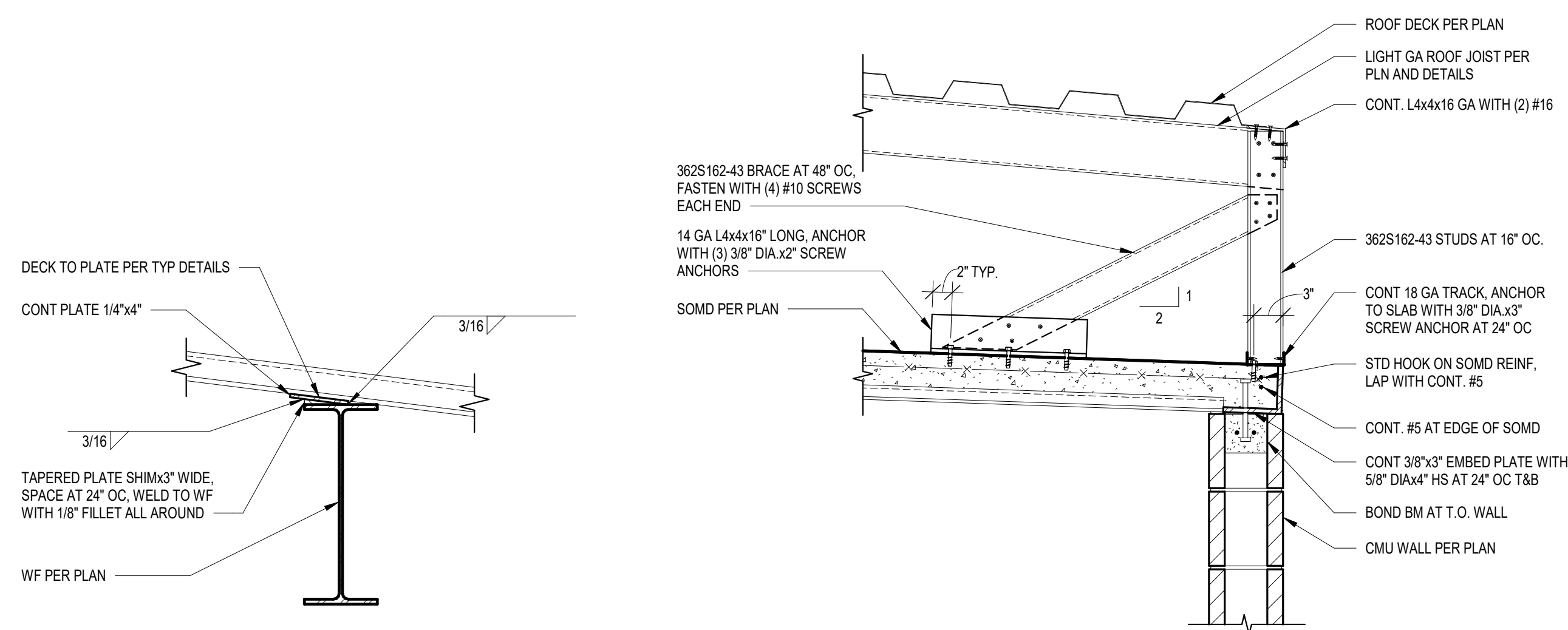
- A. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. "DBL" ON PLAN INDICATES A DOUBLE MEMBER OF SIZE INDICATED. "TPL" INDICATES A TRIPLE MEMBER OF THE SIZE INDICATED.
- C. SEE TYPICAL PARTITION DETAILS FOR REQUIRED BRACING OF ALL NON-STRUCTURAL PARTITION WALLS.
- D. SEE TYPICAL DETAILS FOR SUPPORT OF ALL SUSPENDED MEP DISTRIBUTION SYSTEMS. SEISMIC BRACING OF DISTRIBUTION SYSTEMS, IF REQUIRED, IS TO BE BIDDER DESIGNED.



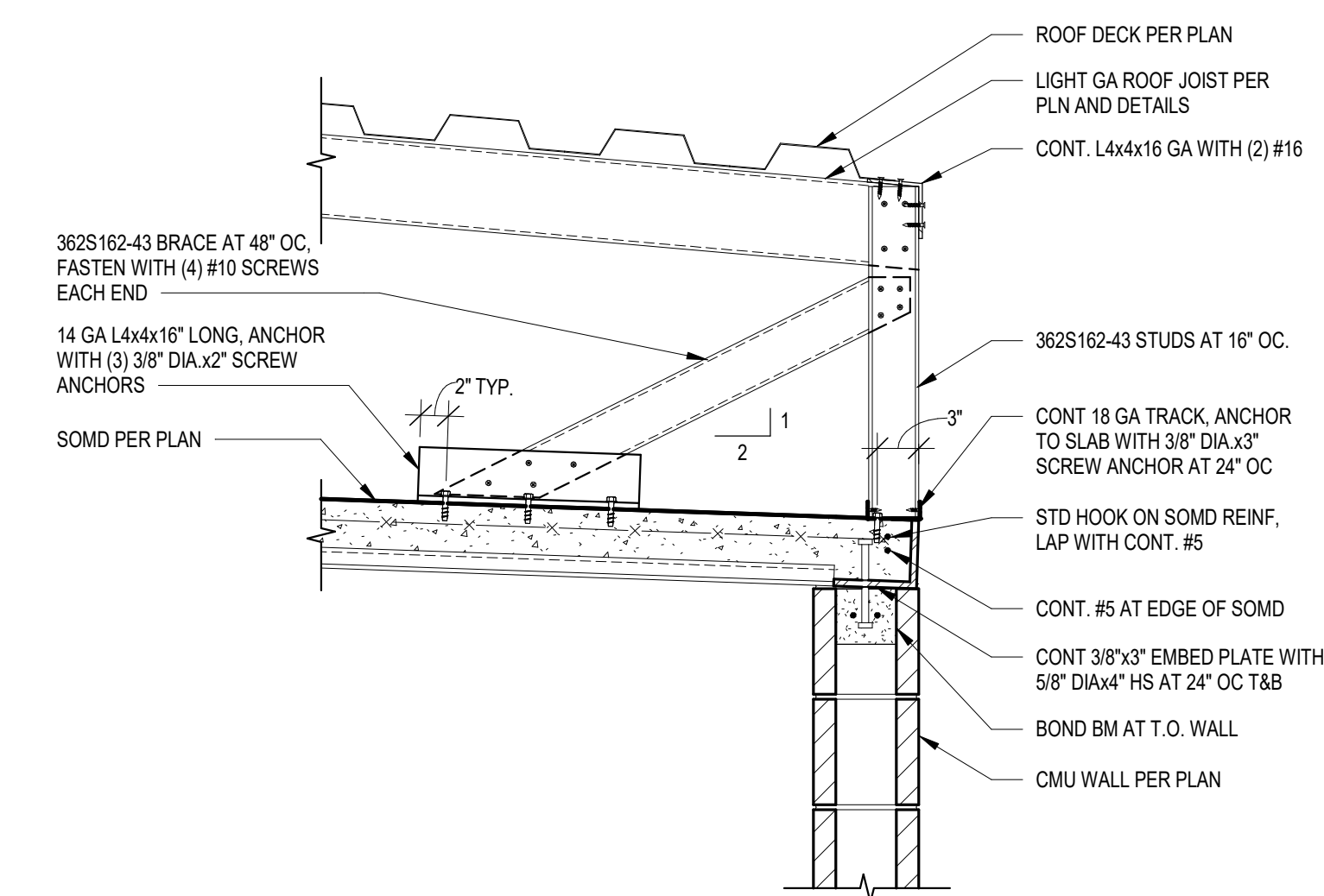




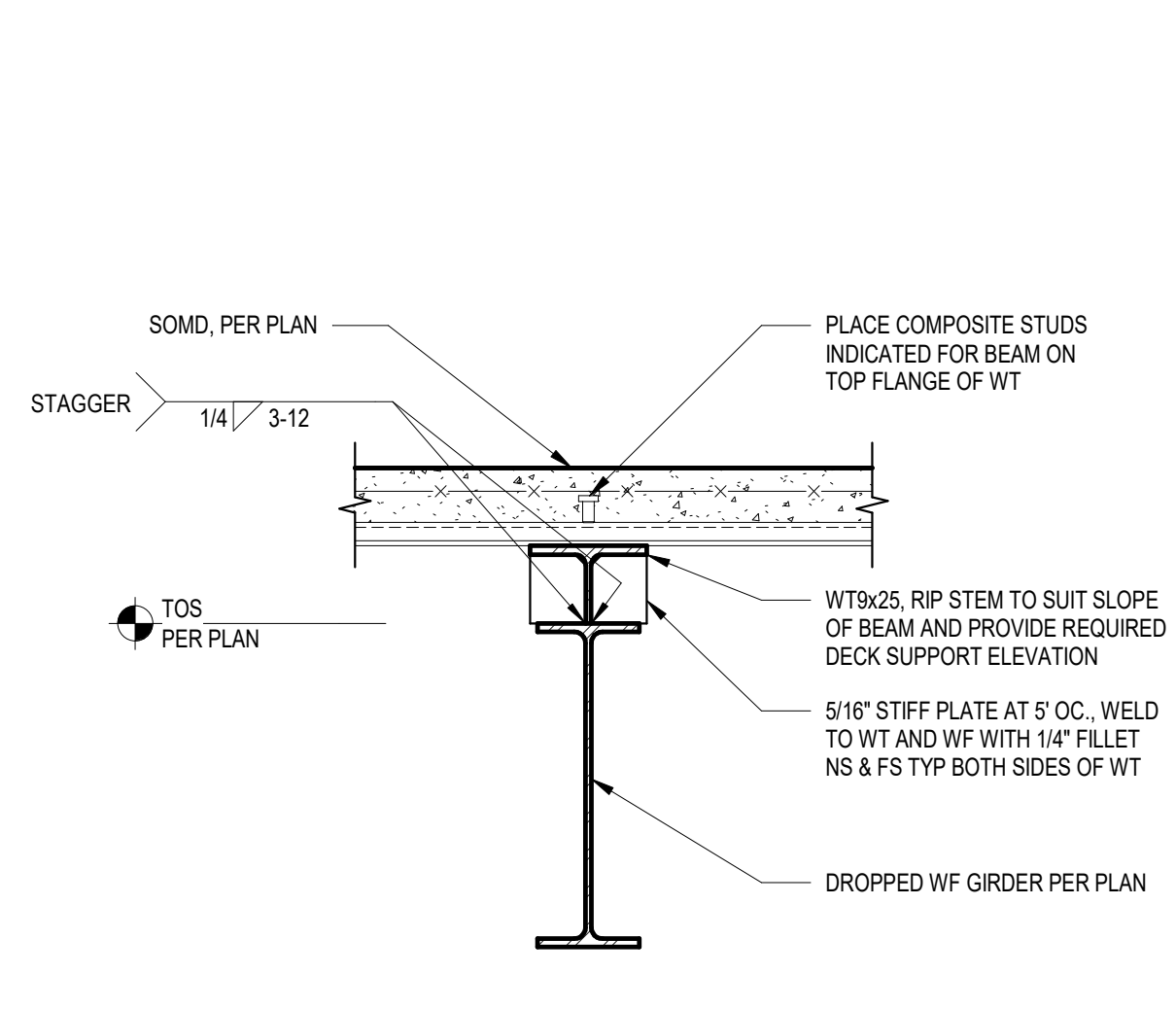




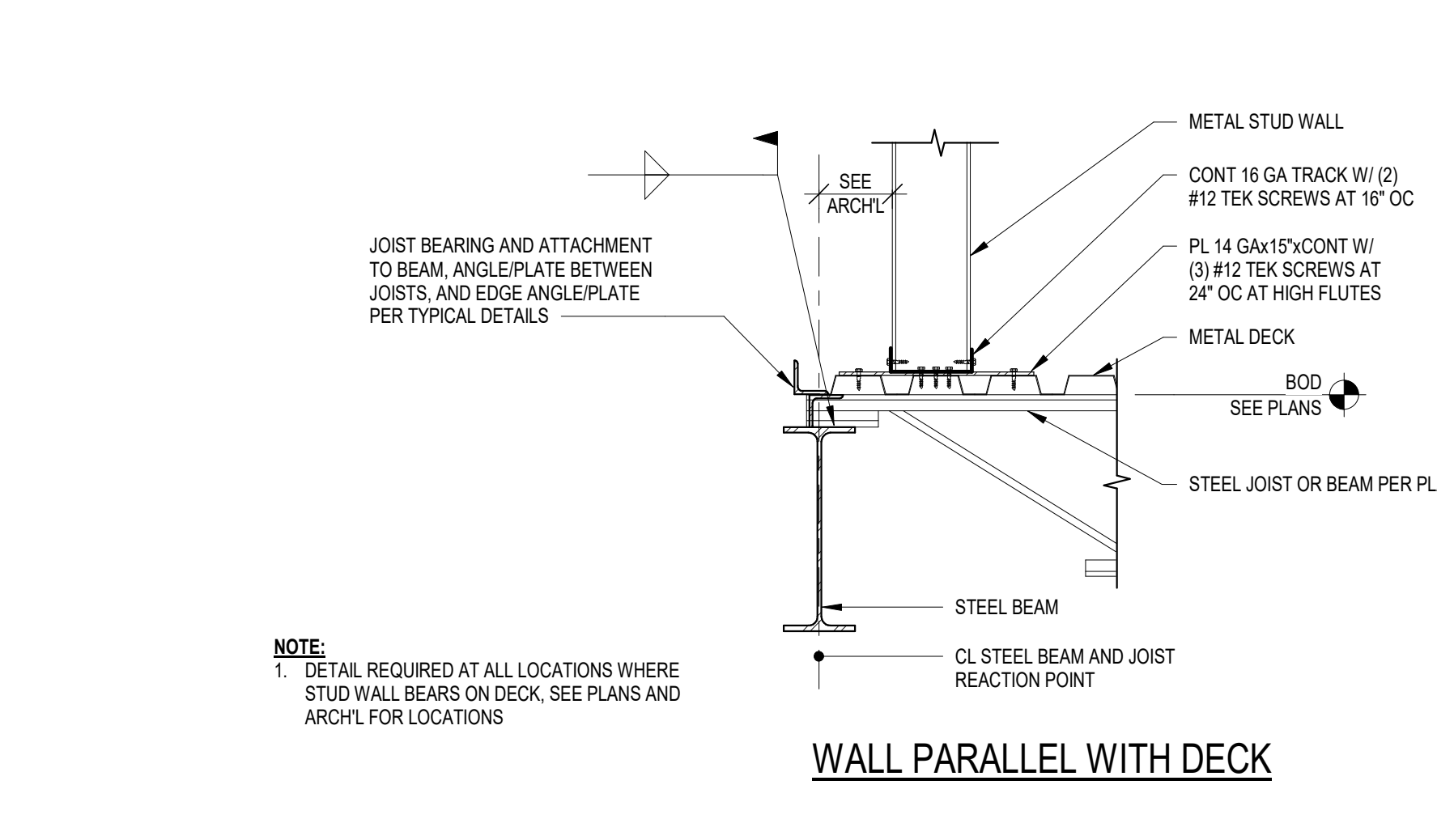
**17 DECK BEARING PL AT SLOPE**  
SCALE: 1 1/2" = 1'-0"



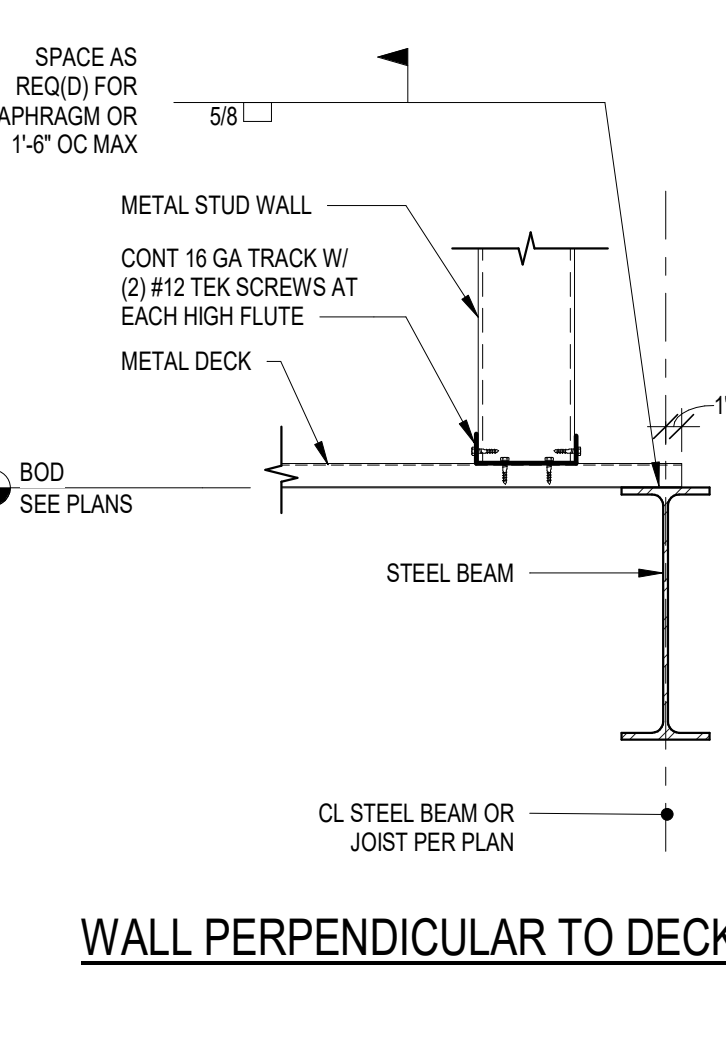
**13 LOW ROOF EDGE**  
SCALE: 1" = 1'-0"



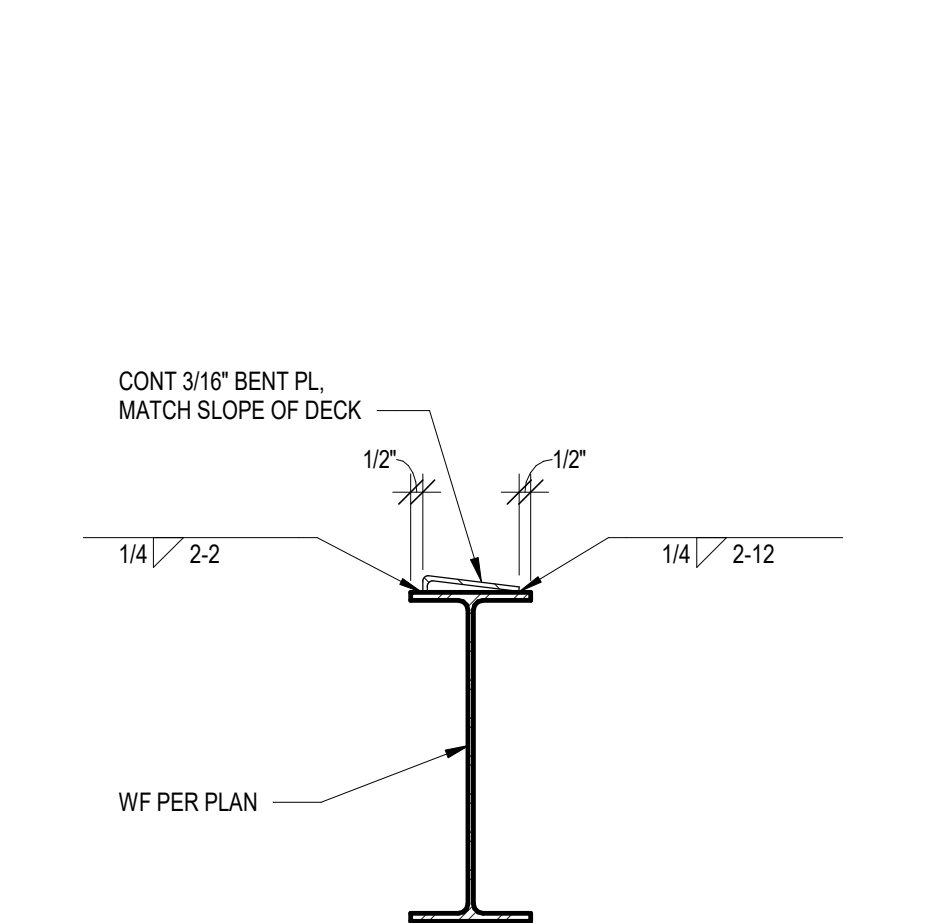
**9 WT OVER GIRDER**  
SCALE: 1" = 1'-0"



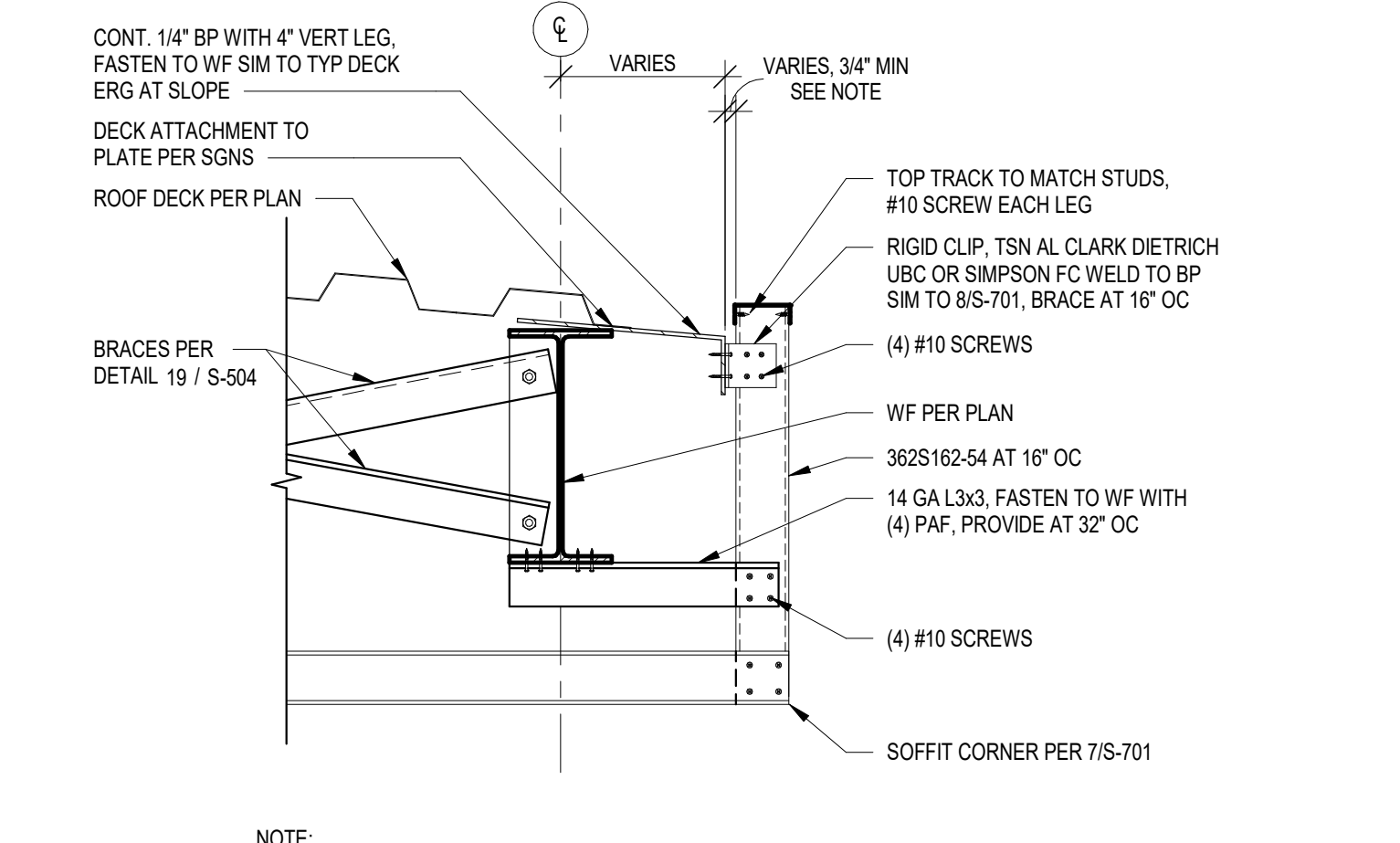
**5 TYP STUD WALL AT METAL DECK**  
SCALE: 1" = 1'-0"



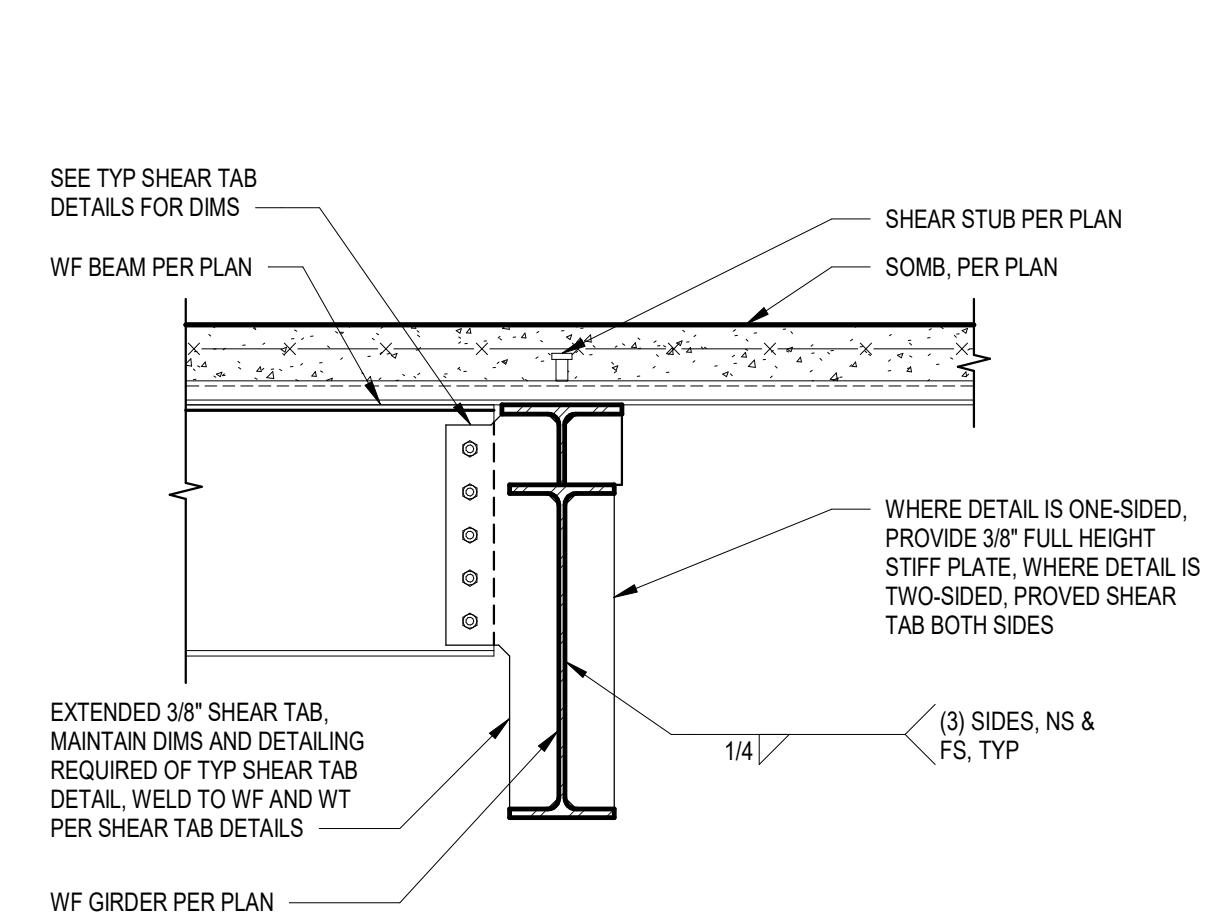
**WALL PERPENDICULAR TO DECK**



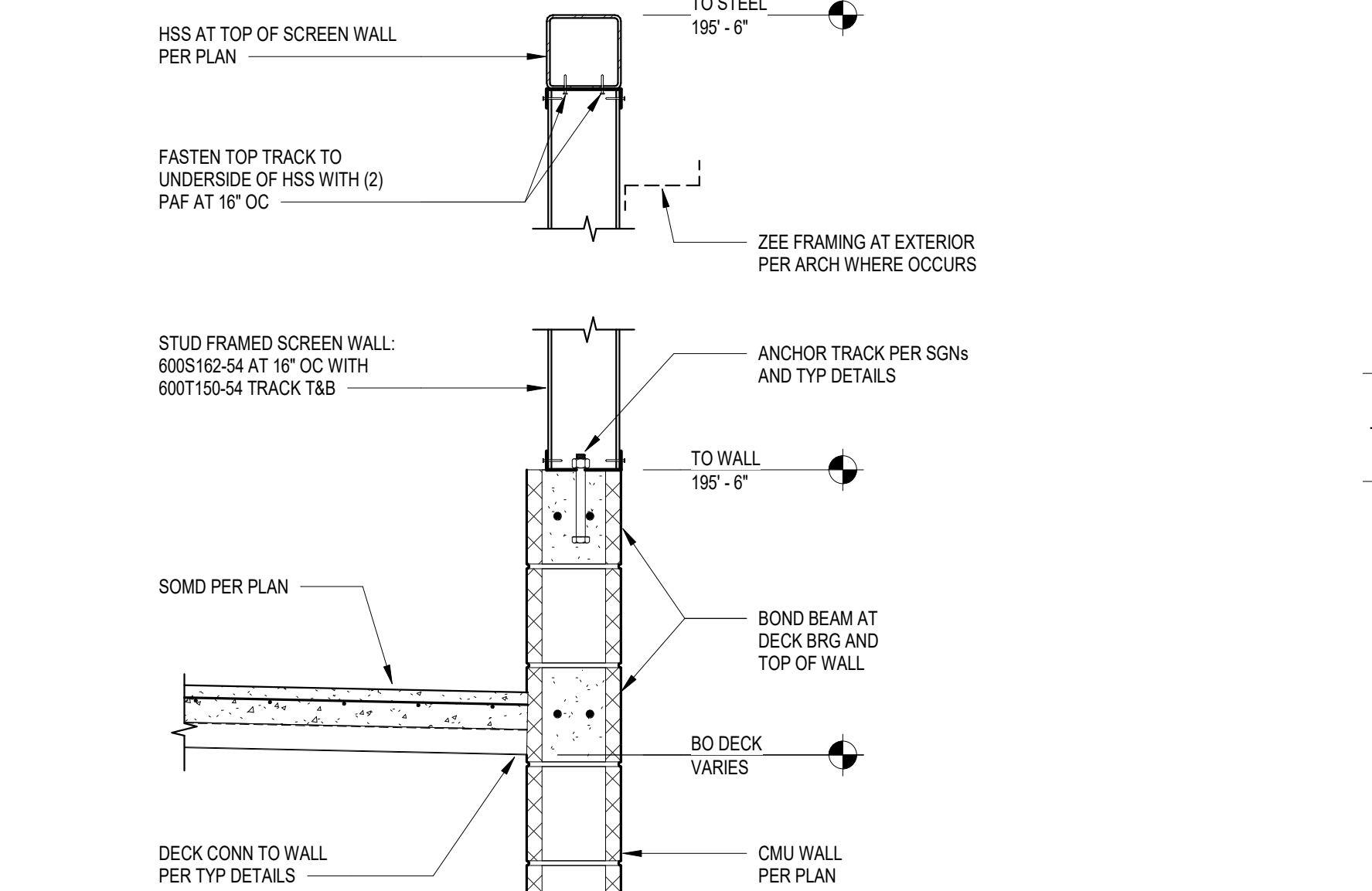
**18 DECK BEARING PL AT SLOPE**  
SCALE: 1 1/2" = 1'-0"



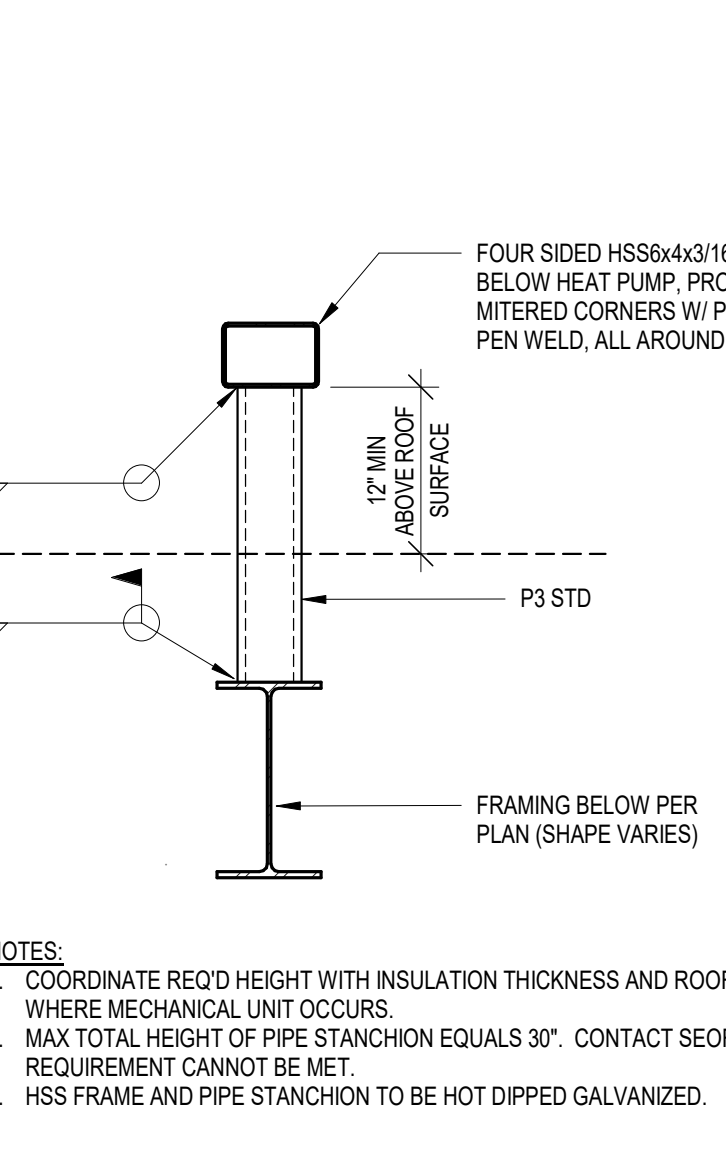
**14 ROOF EDGE AT SOFFIT**  
SCALE: 1" = 1'-0"



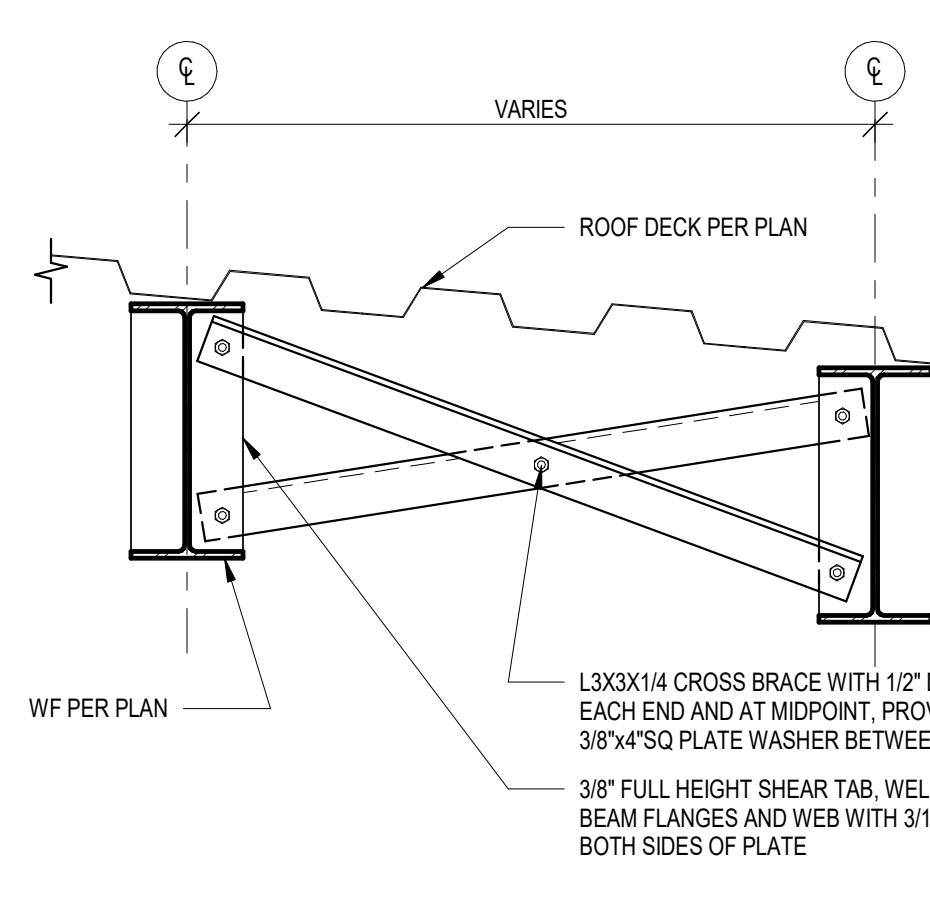
**10 W16 AT DROPPED GIRDER**  
SCALE: 1" = 1'-0"



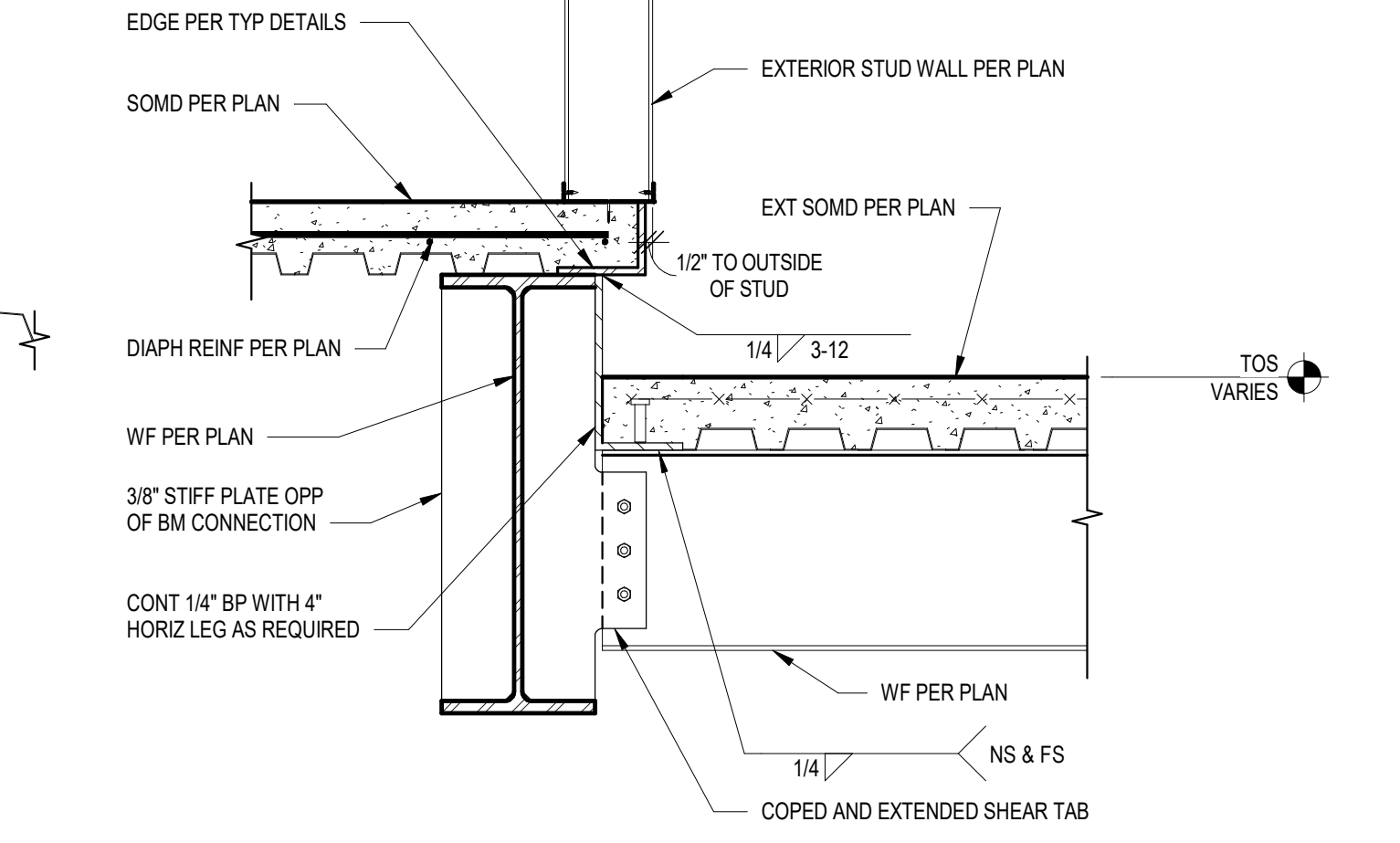
**6 SALLYPORT ROOF EDGE & SCREEN WALL**  
SCALE: 1" = 1'-0"



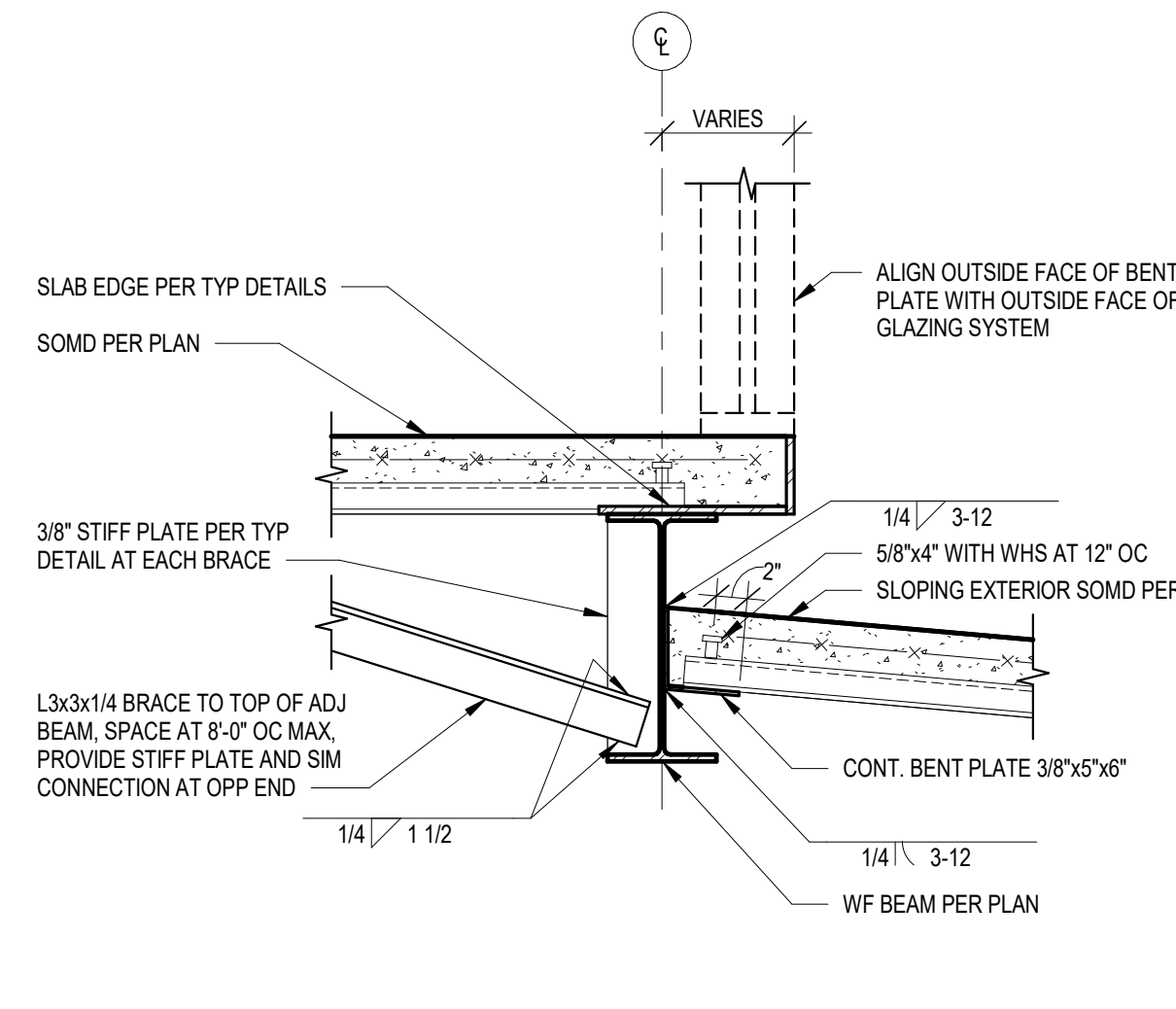
**2 ROOFTOP HEAT PUMP SUPPORT**  
SCALE: 1" = 1'-0"



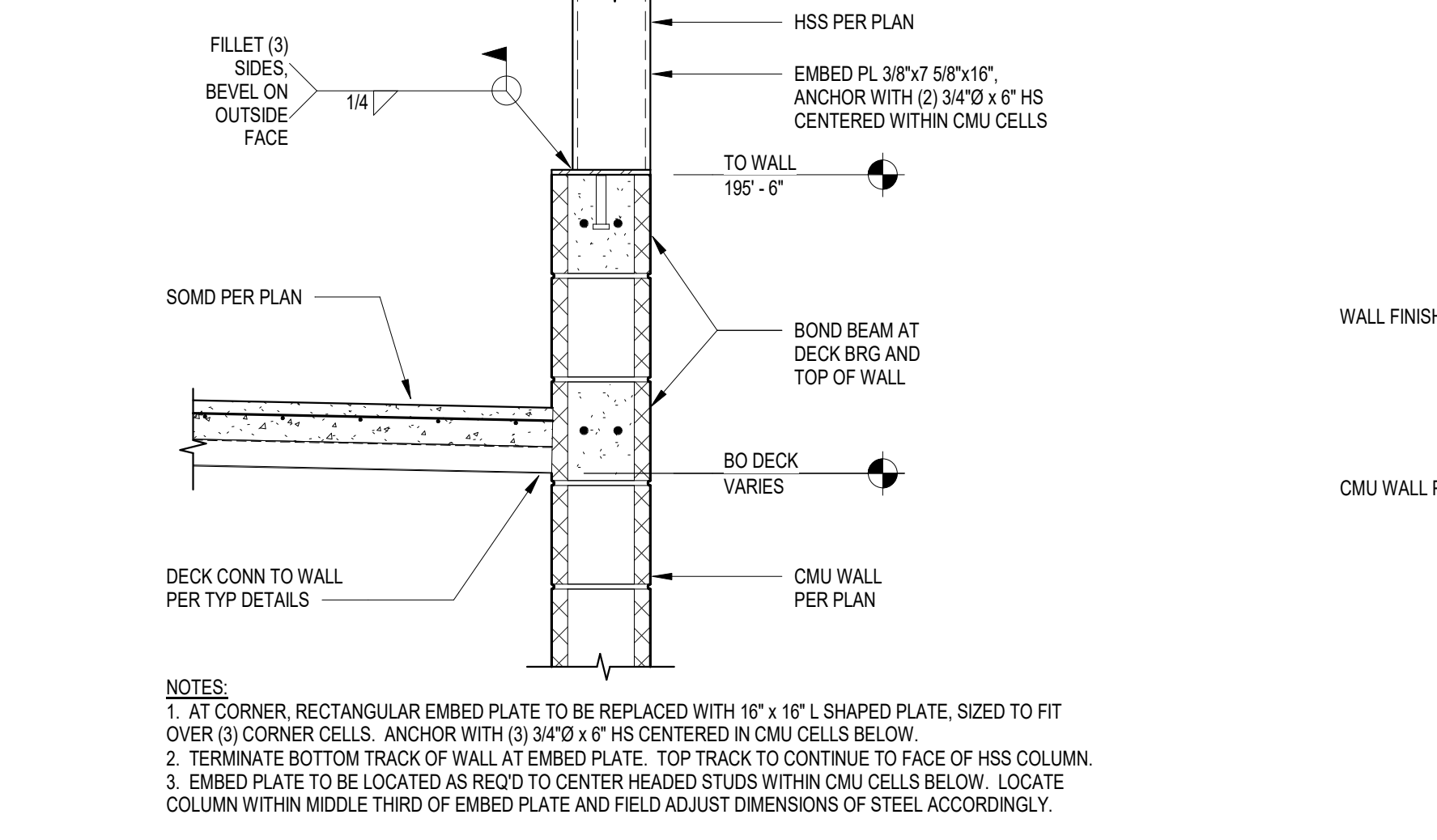
**19 BEAM TO BEAM CROSS BRACING**  
SCALE: 1" = 1'-0"



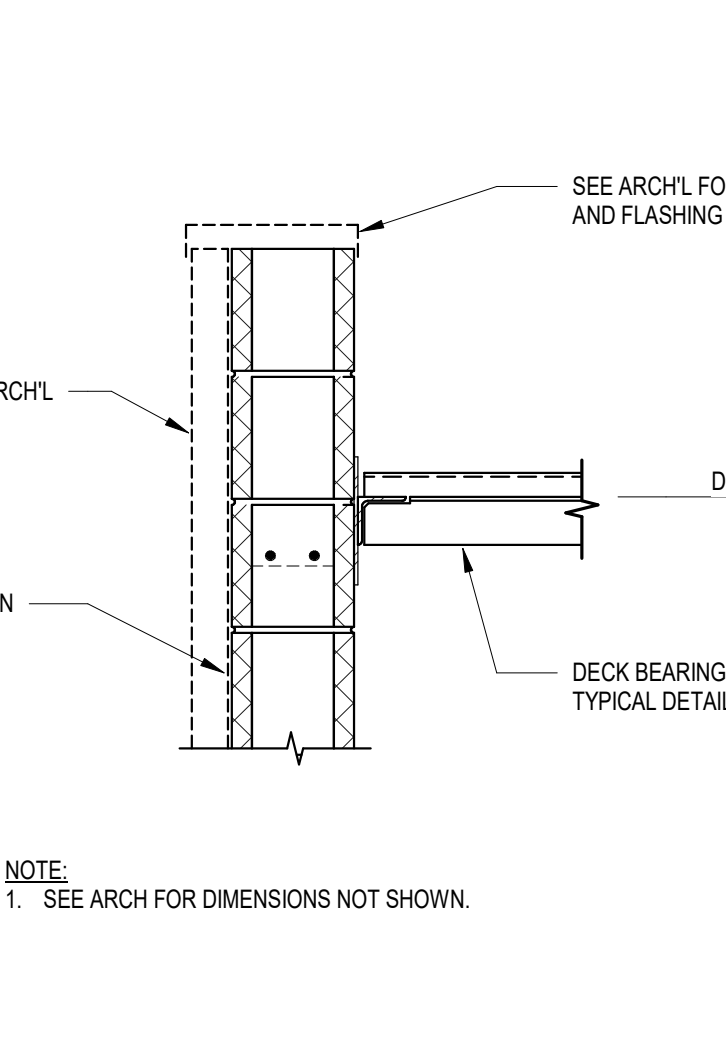
**15 SLAB AT WALL EDGE**  
SCALE: 1" = 1'-0"



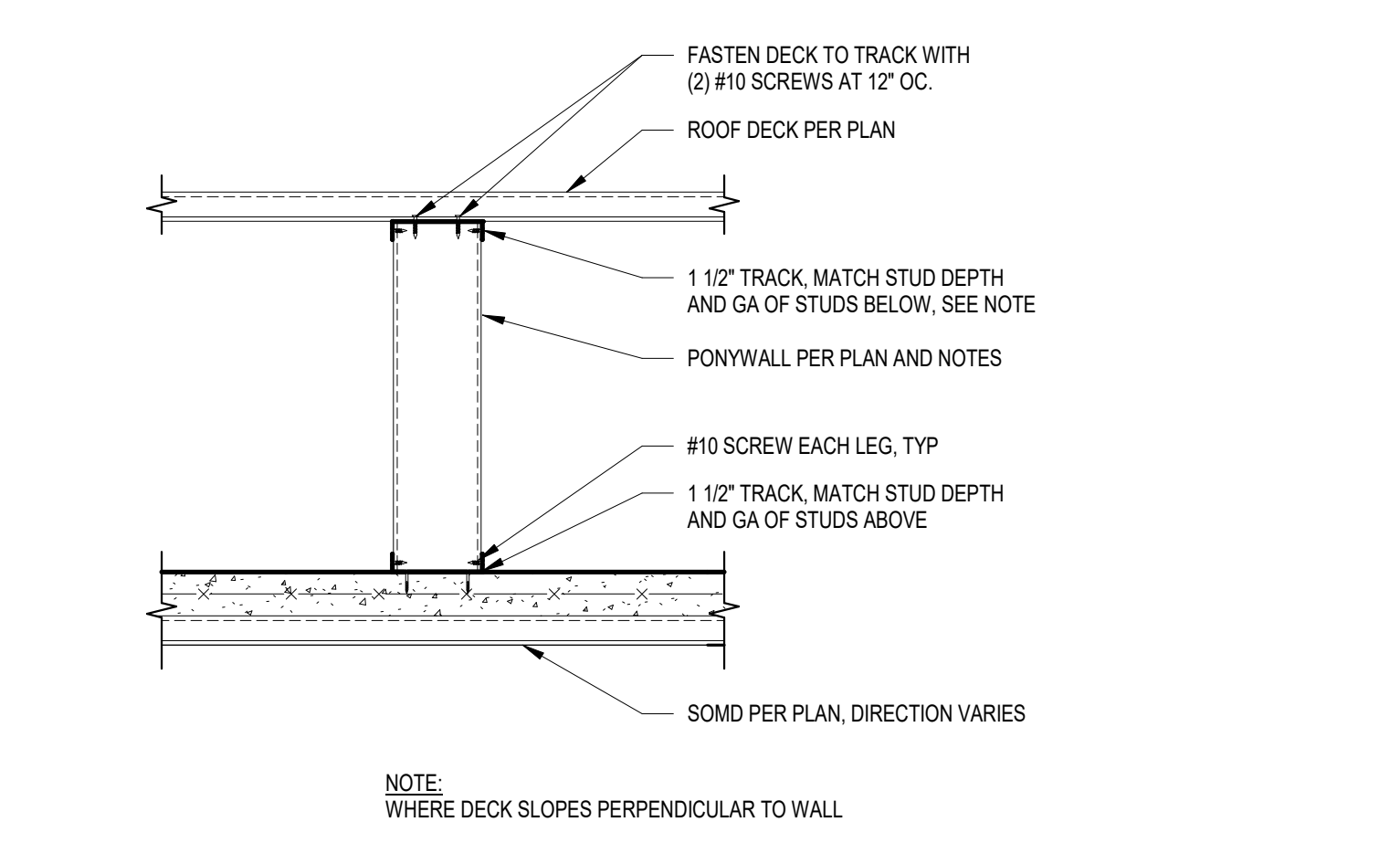
**11 SLAB STEP AT BALCONY**  
SCALE: 1" = 1'-0"



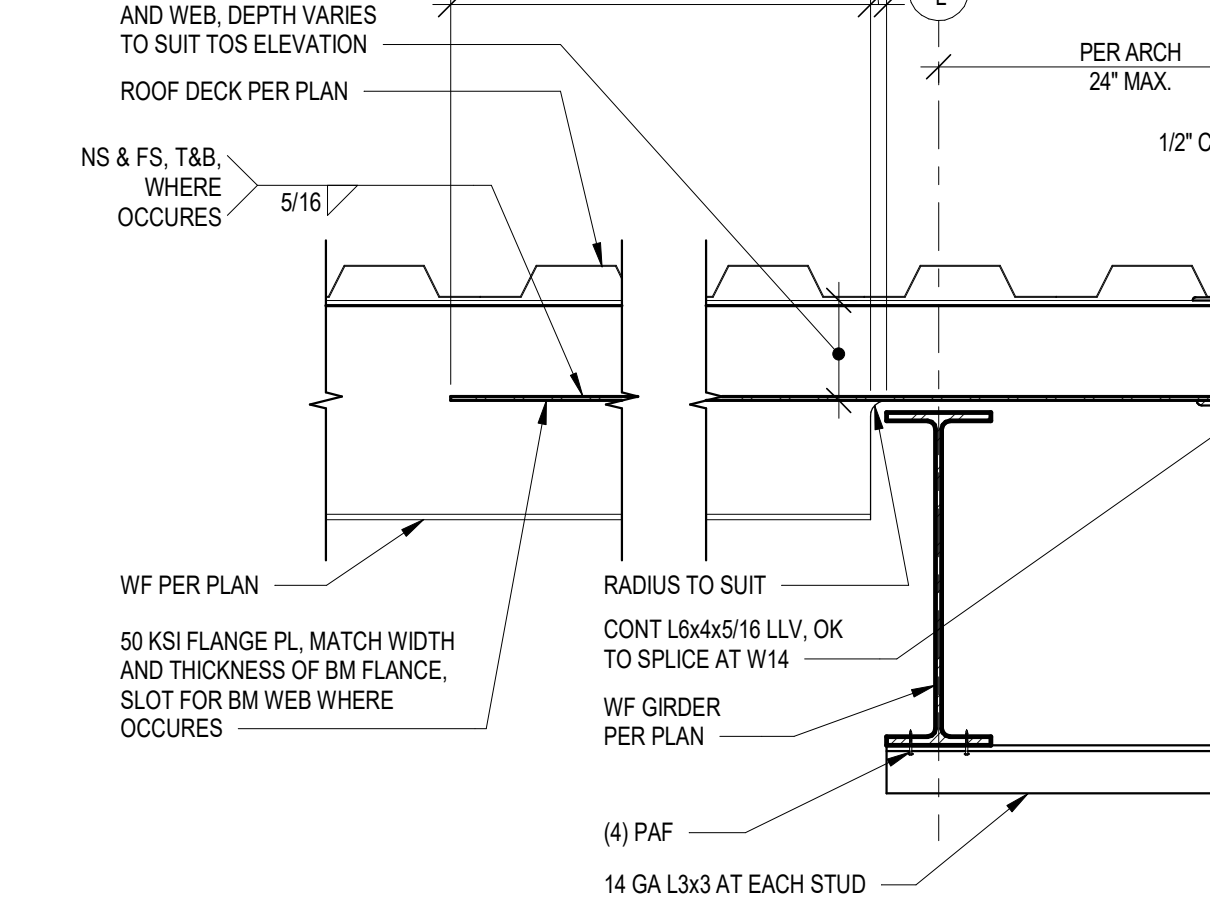
**7 COLUMN TO SALLYPORT WALL**  
SCALE: 1" = 1'-0"



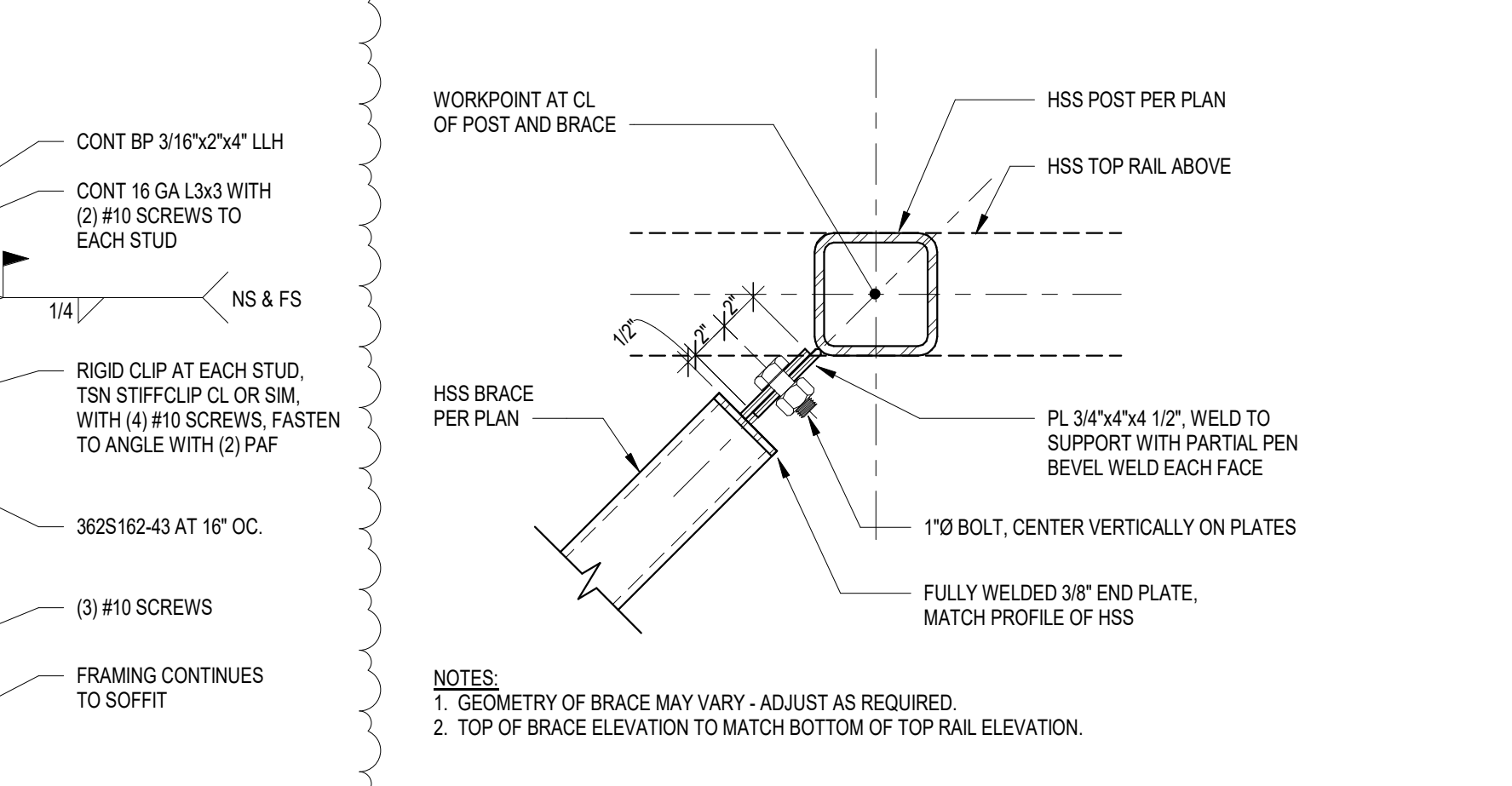
**3 SALLYPORT ROOF EDGE**  
SCALE: 1" = 1'-0"



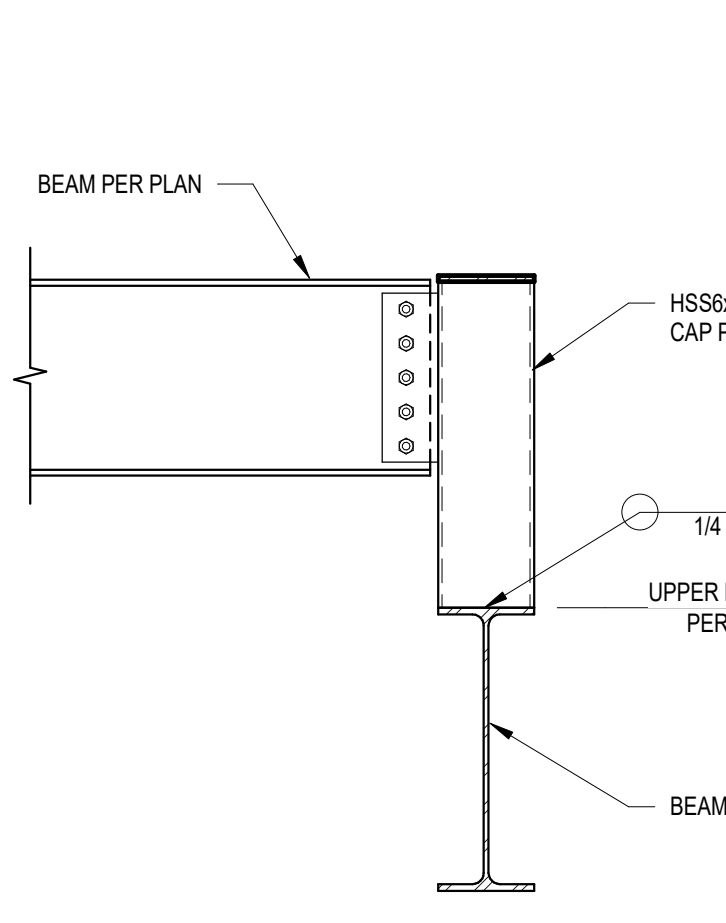
**16 TYP OVERFRAMING WALL**  
SCALE: 1" = 1'-0"



**12 LOW ROOF RAKE**  
SCALE: 1" = 1'-0"



**8 SCREENWALL BRACE CONN**  
SCALE: 1 1/2" = 1'-0"



**4 DETAIL**  
SCALE: 1" = 1'-0"



SYSTEMS LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
NETWORK INFRASTRUCTURE		ACCESS CONTROL SYSTEM	
	TELECOMMUNICATIONS OUTLET - WALL MOUNT WITH (2) ACTIVE DATA PORTS AND (2) CAT6 CABLES (4/S BOX WITH SINGLE-GANG MUDRING AND COVER PLATE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +18" AFF UNLESS NOTED OTHERWISE. (1"C" INDICATES ABOVE COUNTER) - MOUNT OUTLETS IN CASEWORK/FURNITURE AND COORDINATE WITH THE CASEWORK INSTALLER PRIOR TO ROUGH-IN ("TV" INDICATES (4) ACTIVE DATA PORTS AND (4) CAT6 CABLES MOUNTED IN THE RECESSED AV BACKBOX BEHIND MONITOR. SEE AV ELEVATIONS FOR HEIGHTS AND LOCATIONS) (# INDICATES QUANTITY OF DATA PORTS AND CABLES. IF DIFFERENT THAN 2), REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.		ACCESS CONTROL PANEL - SURFACE MOUNT +48" AFF IN CENTRAL LOCATIONS AS SHOWN ON PLANS. SIZE EACH COMBINATION ACP/POWER SUPPLY AS REQUIRED FOR THE QUANTITY OF DOORS AND CONTROL BOARD DEVICES.
	TELECOMMUNICATIONS COMBINATION OUTLET - WALL MOUNT WITH (6) ACTIVE DATA PORTS, (2) CAT6A CABLES, (4) CAT6 CABLES ("TV" INDICATES MOUNTED IN THE RECESSED AV BACKBOX BEHIND MONITOR. SEE AV ELEVATIONS FOR HEIGHTS AND LOCATIONS). REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.		ACCESS CONTROL POWER SUPPLY OR ALL IN ONE SOLUTION. COORDINATE WITH EC FOR POWER LOCATION.
	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - WALL MOUNT OFCI WAP AND ENCLOSURE (EXTERIOR AND GYM ONLY) AT HEIGHT SHOWN. PROVIDE (1) 1" CONDUIT TO THE NEAREST ACCESSIBLE CEILING WITH (2) ACTIVE DATA PORTS AND (2) CAT6A CABLES. SEE THE TELECOMMUNICATIONS /SYSTEMS DETAILS FOR ADDITIONAL REQUIREMENTS. (W INDICATES WEATHER PROOF). EXTERIOR WAP ENCLOSURES ARE OFCI. INTERIOR GYM WAP ENCLOSURES ARE OFCI. PROVIDE (1) 4-11/16 BACK BOX AT INTERIOR WALL MOUNT WAP LOCATIONS FOR CONCEALING THE PORTS AND PATCH CABLES.		CARD READER - WALL MOUNT TO SINGLE-GANG BOX FLUSH TO WALL SURFACE. MOUNT AT +48" TO TOP UNLESS NOTED. (M" INDICATED MULLION MOUNT VERSION) (KP" INDICATES COMBINATION CARD READER-KEYPAD VERSION).
	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - CEILING MOUNT. LOCATE (2) CAT6A CABLES ABOVE ACCESSIBLE CEILING. SEE THE TELECOMMUNICATIONS/SYSTEMS DETAILS FOR ADDITIONAL REQUIREMENTS.		PANIC BUTTON WITH CUSTOM TEXT LABEL - PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING AND (1) 3/4"C. TO THE NEAREST ACCESSIBLE CEILING.
	COMBINATION FLOOR BOX. FOURPLEX RECEPTACLE AND DATA JUNCTION BOX WITH (1) SEPARATE 1-1/4" CONDUIT FOR TELECOMMUNICATIONS OUTLET ROUTED UP TO THE ACCESSIBLE CEILING SPACE. UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. FLOOR BOXES ON THE GROUND FLOOR SHALL HAVE WET LOCATION RATED DATA CABLES ROUTED DIRECTLY TO THE TELECOMMUNICATIONS ROOM UNDER SLAB. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.		DOOR RELEASE - PROVIDE SINGLE GANG BACK BOX AND (1) 1/2"C. TO ACCESSIBLE CEILING. COORDINATE WITH FURNITURE INSTALLER FOR DESK INTEGRATION.
	TELECOMMUNICATIONS TELEPHONE OUTLET - WALL MOUNT WITH (1) PHONE JACK AND (1) CAT6 CABLE (4/S BOX WITH SINGLE GANG MUDRING AND STAINLESS STEEL COVER PLATE WITH MOUNTING STUDS FOR WALL MOUNT TELEPHONE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +48" AFF, UNLESS NOTED OTHERWISE. (S INDICATES SURFACE MOUNT)		DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN (FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM)). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING VENDOR. COORDINATE WITH ALL TRADES, AS REQUIRED.
	CABLE TRAY - 18"W LADDER STYLE - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		ELECTRIFIED EXIT DEVICE BY DIVISION 8. DIVISION 28 TO PROVIDE WIRING AND CONNECTIONS.
	BUILDING ENTRANCE TERMINAL (PROTECTED/FUSED). PROVIDE AS SHOWN ON THE RISER, ENLARGED PLANS, AND DETAILS. TELECOMMUNICATIONS MAIN GROUNDING BAR - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		ELECTRIFIED EXIT DEVICE POWER SUPPLY OR ALL IN ONE SOLUTION. BY DIVISION 28. COORDINATE WITH EC FOR POWER.
	TELECOMMUNICATIONS GROUNDING BAR - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		REQUEST TO EXIT BUTTON - WALL MOUNT +48" AFF TO TOP. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
	BI-DIRECTIONAL AMPLIFIER - FOR D.A.S. EMERGENCY RESPONDER RADIO. LOCATE AS SHOWN ON ENLARGED FLOOR PLANS.		2-WAY AUDIO/VIDEO INTERCOM DOOR STATION - WALL MOUNT AT +48" TO TOP. PROVIDE SINGLE GANG WEATHER-PROOF BACKBOX AND WEATHER PROOF COVER WITH (1) 1/2" CONDUIT TO NEAREST ACCESSIBLE CEILING. PAINT TO MATCH ADJACENT SURFACE.
	SERVICE PROVIDER ENTRY DEMARCATION POINT. LOCATE AS SHOWN ON THE ENLARGED PLANS AND TELECOM RISER DIAGRAM.		INTERCOM BASE STATION - OFCI VOIP VIDEO PHONE.
EQUIPMENT AND WIRING			ELECTRONIC LOCKDOWN BUTTON - WALL MOUNT AT +48" AFF TO TOP. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING WITH CLEAR LEXAN COVER AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
	RACEWAY CONCEALED IN WALL OR CEILING		ROOM IN-USE NOTIFICATION LIGHT - WALL MOUNT AT +8'-0" AFF. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING WITH AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB		INTERCOM DOOR STATION - PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH INTERCOM SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE>
	GROUNDING SYSTEM PER CODE		OPTICOM DUAL HEAD SENSOR. PROVIDE POLE MOUNT BRACKET, ASSOCIATED CONTROL EQUIPMENT, AND WIRING TO GATE MOTOR
	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)	INTRUSION ALARM SYSTEM	
	4-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)		INTRUSION ALARM CONTROL PANEL
	2-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)		INTRUSION ALARM POWER SUPPLY
CATV SYSTEM			DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN (FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM)). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING. COORDINATE WITH ALL TRADES AS REQUIRED.
	TELEVISION OUTLET - WALL MOUNT AT + 72" AFF (UNLESS NOTED OTHERWISE) PROVIDE SINGLE-GANG MUD-RING WITH SINGLE-GANG FACEPLATE. PROVIDE THE FACEPLATE WITH THE FOLLOWING CONNECTORS AND ASSOCIATED CABLING: (1) F-CONNECTOR OUTPUT		KEY PAD - WALL MOUNT AT +48" AFF UNLESS NOTED OTHERWISE - PROVIDE SINGLE-GANG BACKBOX WITH SINGLE-GANG BLANK COVER PLATE, WITH (1) 1"C. TO ACCESSIBLE CEILING SPACE.
	CABLE TELEVISION SPLITTER INFRASTRUCTURE. COORDINATE WITH OWNER AND SERVICE PROVIDER FOR OFCI COAX DISTRIBUTION AND TERMINATION LOCATION IN EQUIPMENT ROOM.	CCTV SYSTEM	
AUDIO VISUAL SYSTEMS			INTERIOR CCTV CAMERA - CEILING MOUNT. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT REQUIREMENTS. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE NEAREST ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
	SYSTEM INPUT/OUTPUT PLATE FOR SOUND SYSTEM - WALL MOUNT - 18" AFF. PROVIDE 4-11/16" BACKBOX AND (1) 1" CONDUIT TO SOUND SYSTEM RACK JUNCTION BOX OR ROOM (# INDICATES PLATE CONFIGURATION AS SHOWN ON THE DETAILS).		INTERIOR CCTV CAMERA - WALL MOUNT AT HEIGHT SHOWN. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT REQUIREMENTS. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE NEAREST ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
	SUBWOOFER COMPONENT - PROVIDE 4S BACK BOX ON WALL AT +18" AFF, SINGLE GANG MUDRING, AND ROUTE CONDUIT (1) 3/4" CONDUIT TO THE ACCESSIBLE CEILING.		EXTERIOR CCTV CAMERA - WALL MOUNT AT HEIGHT SHOWN, UNLESS NOTED OTHERWISE. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT INFORMATION. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
	2-WAY LOUDSPEAKER - WALL MOUNT AT HEIGHT SHOWN. PROVIDE 4S BACK BOX, SINGLE GANG MUDRING, AND ROUTE CONDUIT (1) 3/4" CONDUIT TO THE ACCESSIBLE CEILING.	DAS SYSTEM	
	2-WAY LOUDSPEAKER - PENDANT MOUNT. PROVIDE (1) 1/2" CONDUIT BETWEEN SPEAKERS AND (1) 1/2" HOME RUN CONDUIT TO SOUND SYSTEM RACK ROOM.		DAS BI-DIRECTION AMPLIFIER (BDA) AND BATTERY SYSTEM FOR FIRST RESPONDER RADIO. LOCATE IN MDF (LEVEL 2) AS SHOWN. CONNECT TO FIRE ALARM SYSTEM MONITORING POINTS AS REQUIRED BY CODES AND LOCAL AHJ.
	SUBWOOFER - PENDANT MOUNT. PROVIDE A DEDICATED (1) 1/2" CONDUIT TO SOUND SYSTEM RACK ROOM.		DAS BDA REMOTE ANNUNCIATOR FOR STATUS MONITORING. LOCATE AS SHOWN OR AS REQUIRED BY CODES AND LOCAL AHJ.
	2-WAY LOUDSPEAKER - CEILING/FLUSH MOUNT. PROVIDE (1) 1/2" CONDUIT BETWEEN SPEAKERS AND (1) 1/2" CONDUIT HOME RUN TO SOUND SYSTEM RACK ROOM.	INTERVIEW SYSTEM	
	7" TOUCH SCREEN CONTROL PANEL FOR VIDEO AND SOUND SYSTEM - WALL MOUNT +48" AFF TO TOP OF CONTROL PANEL. PROVIDE CONDUIT SHOWN TO SOUND SYSTEM RACK. PROVIDE MANUFACTURER BACK BOX PRIOR TO ROUGH IN UNLESS SPECIFIED OTHERWISE. PROVIDE RECESSED BOX AND COVER WHERE NOTED ON PLANS. CAT6 BY A/V CONTRACTOR.		INTERVIEW MICROPHONE - WALL MOUNT AT +48" AFF.
	BUTTON/ENCODER CONTROL PANEL FOR SOUND SYSTEM - WALL MOUNT +48" AFF TO TOP OF CONTROL PANEL. PROVIDE CONDUIT SHOWN TO SOUND SYSTEM RACK. PROVIDE MANUFACTURER BACK BOX PRIOR TO ROUGH IN UNLESS SPECIFIED OTHERWISE. PROVIDE RECESSED BOX AND COVER WHERE NOTED ON PLANS. CAT6 BY A/V CONTRACTOR.		INTERVIEW SWITCH - WALL MOUNT AT +48" AFF.
	CEILING ARRAY MICROPHONE LOCATION FOR SOUND SYSTEM - CEILING MOUNT. WHERE CEILING IS NOT ACCESSIBLE: PROVIDE SINGLE GANG BACKBOX AND (1) 1/2" CONDUIT TO THE ACCESSIBLE CEILING SPACE OR RACK ROOM.		INTERVIEW LIGHT - WALL MOUNT AT +96" AFF.
	TELECONFERENCE PTZ (PAN/TILT/ZOOM) IP CAMERA	INFORMATION DISPLAY SYSTEM	
	FLOOR-MOUNT 19" RACK/ENCLOSURE FOR VIDEO AND/OR SOUND SYSTEM WHERE NOTED (ARROW INDICATES AIRFLOW AT FRONT OF RACK).		OFCI INFORMATION DISPLAY VIDEO WALL SYSTEM WITH MONITORS AND CFCl MOUNTS - WALL MOUNT AT HEIGHT SHOWN ON PLANS. COORDINATE OUTLET WITH TV MOUNT MODEL. PROVIDE CHIEF PACS26FWP6 RECESSED BACKBOX AND CONDUIT AS SHOWN. LOCATE 120V RECEPTACLES IN BACKBOX KNOCK OUTS. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. MONITORS, MOUNTS, VIDEO EXTENDERS, AND CAT6 BY A/V CONTRACTOR. PROVIDE CHIEF PNR SERIES MONITOR MOUNT & PSBU VESA BRACKET.
	CFCl DIGITAL LASER PROJECTOR LOCATION. MOUNT PROJECTOR AS SHOWN ON FLOOR PLANS AND AS DESCRIBED IN SPECIFICATIONS.	MISCELLANEOUS	
	ASSISTED LISTENING TRANSMITTER ANTENNA -WALL MOUNT ABOVE BACKBOX/BNC PLATE. PROVIDE 4S BACKBOX WITH SINGLE GANG MUDRING AND COVER PLATE PAINTED TO MATCH SURFACE. ROUTE (1) 1" CONDUIT SHOWN TO AV RACK LOCATION.		CONSTRUCTION NOTES
	WIRELESS MICROPHONE RECEIVER ANTENNA - WALL MOUNT ON BNC PLATE. PROVIDE 4S BACKBOX WITH SINGLE GANG MUDRING AND COVER PLATE PAINTED TO MATCH SURFACE. ROUTE (1) 1" CONDUIT SHOWN TO AV RACK LOCATION.		DOOR NUMBER
	INTERCOM WALL PANEL - WALL MOUNT AT +4" AFF UNLESS NOTED OTHERWISE. PROVIDE BACKBOX PER MANUFACTURER REQUIREMENTS. ROUTE (1) 1/2" CONDUIT SHOWN TO THE ACCESSIBLE CEILING.		DETAIL CALL OUT - "1" INDICATES DETAIL IDENTIFICATION, "A101" INDICATES SHEET DRAWN ON
	ON AIR SIGN (12VDC) - WALL MOUNT AT +9" AFF. PROVIDE BACKBOX PER MANUFACTURER REQUIREMENTS. ROUTE (1) 1/2" CONDUIT SHOWN TO THE ACCESSIBLE CEILING.		FIRE RATED WALL - ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE MADE WITH A UL LISTED MECHANICAL ASSEMBLY (STI FIRESTOP E.Z. PATH OR APPROVED EQUAL) PROVIDED WITH 50% SPARE CAPACITY, EXCEPT WHERE CONDUIT SLEEVES ARE SPECIFICALLY SHOWN.
	CATV OUTLET - WALL MOUNT AT HEIGHT SHOWN. PROVIDE 4S BACKBOX, SINGLE GANG MUDRING, (1) 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING, (1) RG-6 CABLE, TERMINATED WITH F-CONNECTOR ON BOTH ENDS, AND F-CONNECTOR PLATE. HOMERUN CABLE TO THE TELECOM BACKING BOARD, PROVIDE 10' SERVICE LOOP, AND PROVIDE SPLITTER/AMPLIFIER INFRASTRUCTURE.		TELECOMMUNICATIONS ROOM TERMINATION (TR) INDICATOR (WHERE SHOWN) ALL HORIZONTAL CABLING SHALL TERMINATE AT THE TR INDICATED, UNLESS NOTED OTHERWISE. WHERE ONLY ONE TR IS SHOWN, ALL HORIZONTAL CABLING SHALL TERMINATE TO THAT TR, UNLESS NOTED OTHERWISE.
	OFCl DISPLAY MONITOR AND CFCl ARTICULATING SWIVEL/TILT WALL MOUNT - SEE PLANS FOR SIZES AND LOCATIONS.		ELECTRICAL POWER PANELS SHOWN FOR REFERENCE ON TELECOMM/ SYSTEMS DRAWINGS



ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BAS	BUILDING AUTOMATION SYSTEM
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BET	BUILDING ENTRANCE TERMINAL
BMS	BUILDING MANAGEMENT SYSTEM
BOT	BOTTOM OF TRAY
C	MOUNT ABOVE COUNTER
C.	CONDUIT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
TEF	TELECOMMUNICATIONS ENTRANCE FACILITY (MDF)
ER	TELECOMMUNICATIONS EQUIPMENT ROOM (MDF)
FOC	FIBER OPTIC CABLE
G	GROUND FAULT CIRCUIT INTERRUPTER
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER
HSS	HIGH SECURITY SWITCH
IDF	INTERMEDIATE DISTRIBUTION FRAME (TR/TE)
LIU	LIGHT INTERFACE UNIT (INCLUDES FIBER SPLICE TRAY AND PATCH PANEL)
MDF	MAIN DISTRIBUTION FRAME (ER/EF)
MM	MULTI MODE (FOC)
REQ'D	REQUIRED
SBG	SUPPLEMENTARY BONDING GRID
SM	SINGLE MODE (FOC)
SPD	SURGE PROTECTIVE DEVICE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE (IDF)
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TR	TELECOMMUNICATIONS ROOM (IDF)
UC	UNDER COUNTER
UG	UNDERGROUND
W	WEATHERPROOF (PROVIDE WEATHERPROOF COVER/DEVICE WHERE SHOWN ON PLANS)
WAP	WIRELESS ACCESS POINT
XMFR	TRANSFORMER

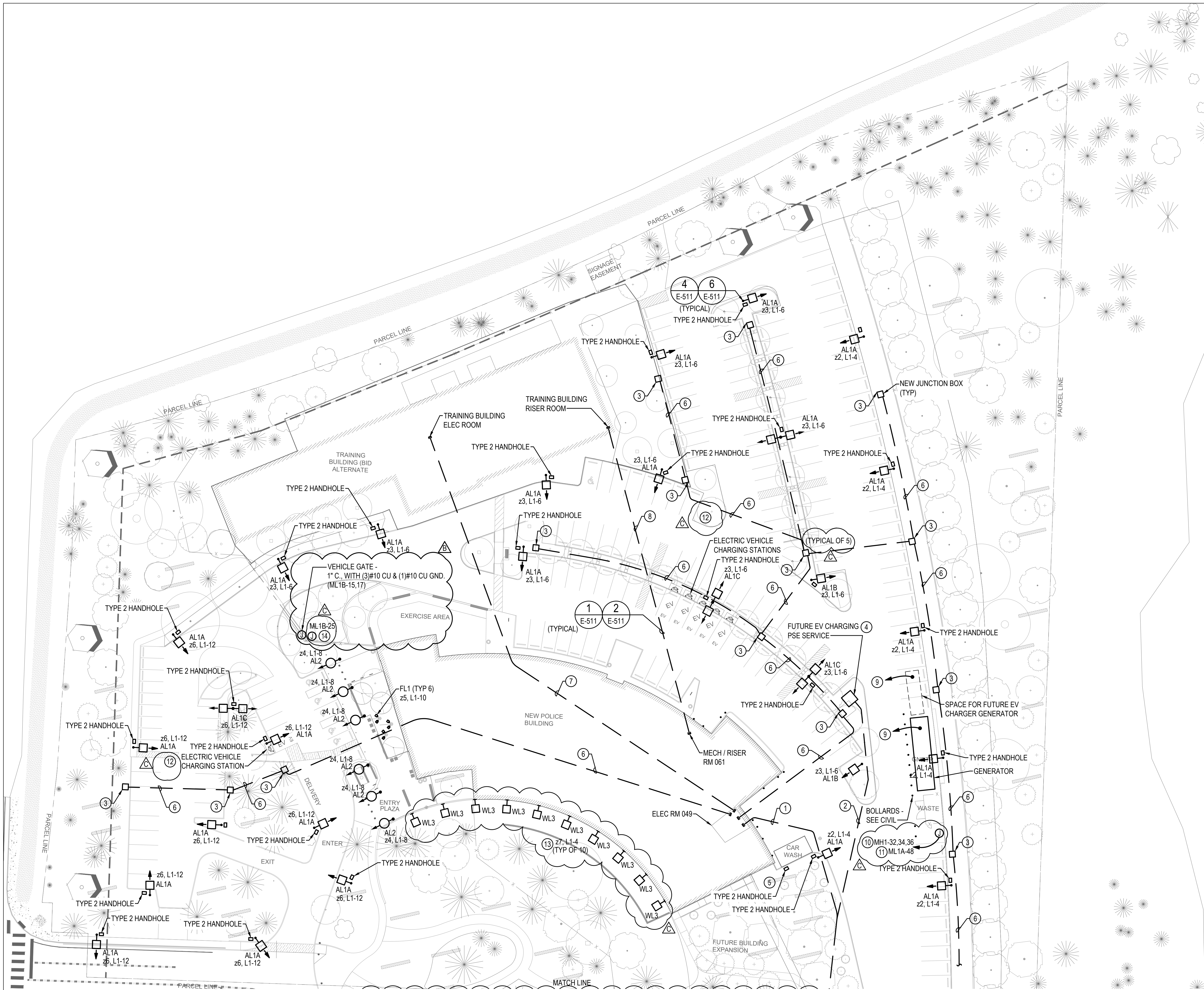
GENERAL ELECTRICAL NOTES (APPLY TO ALL DRAWINGS)

1. SEE EACH SHEET FOR ADDITIONAL GENERAL NOTES THAT ARE SPECIFIC TO AN AREA OR SHEET.
2. THE CONTRACTOR/INSTALLING VENDOR IS RESPONSIBLE TO VERIFY ALL CMU/CONCRETE WALLS, BRICK WALLS, CABLE ROUTING AND ALL WORK REQUIRED TO FACILITATE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
3. THE CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR BRACE FRAMED OR SHEAR WALLS. CONTRACTOR SHALL MOUNT DEVICES AND ROUTE CONDUIT SO AS NOT TO INTERFERE WITH THE STRUCTURAL INTEGRITY OF THE WALL.
4. ALL CONDUITS MUST BE A MINIMUM OF 6'-6" ABOVE ALL MECHANICAL EQUIPMENT AND MECHANICAL CLEARANCE SPACES. E.C. WILL BE RESPONSIBLE TO MOVE ANY CONDUITS WHICH DO NOT COMPLY.
5. CONDUITS ARE NOT ALLOWED TO BE ROUTED IN ANY CONCRETE SLAB. CONDUITS MAY BE ROUTED UNDER THE SLAB ONLY. A MINIMUM OF 2" OF SEPARATION SHALL BE PROVIDED BETWEEN BOTTOM OF SLAB AND TOP OF CONDUIT.
6. CONDUIT SHALL NOT BE SURFACE MOUNTED IN ANY FINISHED AREAS WITHOUT SPECIAL PERMISSION FROM THE ENGINEER. CONTRACTOR SHALL TAKE SPECIAL CARE AND COORDINATE WITH OTHER DISCIPLINES TO INSURE CONDUIT IS HIDDEN. SURFACE MOUNTED CONDUITS SHALL NOT BE UTILIZED IN OCCUPIED SPACES. CONCEAL CONDUITS WITHIN CEILING (ABOVE CEILING / BELOW ROOF) IN OCCUPIED SPACES WHERE NO ACCESSIBLE CEILING SPACE IS AVAILABLE AND CLT CEILING IS USED PER STRUCTURAL PLANS.
7. NO CONDUITS ARE ALLOWED TO BE ROUTED ON TOP OF THE ROOF.
8. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF AREAS WITH ACCESSIBLE CEILING SPACES, HARD LID CEILINGS, AND AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PROVIDE SURFACE-MOUNTED DEVICES AND THEIR RELATED SURFACE MOUNT BACK BOXES IN AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PAINT EACH BACKBOX TO MATCH THE ADJACENT SURFACE.
9. PANEL DESIGNATIONS AND CIRCUIT NUMBERS ARE ONLY INDICATED ON THE DRAWINGS FOR REFERENCE BY THE ELECTRICAL CONTRACTOR. THE E.C. IS RESPONSIBLE TO PROVIDE ALL CONDUIT, WIRING, JUNCTION BOXES AND MISCELLANEOUS ACCESSORIES TO ACCOMMODATE INSTALLATION AND CONNECTION OF ALL DEVICES INDICATED ON THE CONTRACT DOCUMENTS. ALL WIRING HOMERUNS SHALL BE IN HARD CONDUIT BACK TO THE DESIGNATED PANELBOARD. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING THE PANELBOARD AND CIRCUIT CONTAINED WITHIN. THERE SHALL BE NO MORE THAN (3) CIRCUITS PER HOMERUN. MULTI-WIRE CIRCUITS ARE NOT ALLOWED. EACH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER. ALL WIRING SHALL BE SIZED ACCORDING TO THE AMPACITY OF THE CIRCUIT BREAKER INDICATED ON THE PANEL SCHEDULE. ALL CONDUITS SHALL BE SIZED PER NEC CODE BASED ON THE CONDUCTOR SIZE, TYPE, QUANTITY AND MINIMUM FILL REQUIREMENTS. CIRCUITS OVER 120' FOR 120V AND 250' FOR 277V SHALL BE UPSIZED ONE WIRE SIZE TO ACCOUNT FOR VOLTAGE DROP. E.C. IS RESPONSIBLE TO SHOW ALL JUNCTION BOX LOCATIONS, CONDUIT ROUTING AND HOMERUNS ON THE OF AS-BUILT DRAWINGS.
10. FEED THROUGH GFCI RECEPTACLES SHALL NOT BE USED.
11. CIRCUIT BREAKER HANDLE TIES SERVING MULTI-WIRE BRANCH CIRCUITS IS NOT ALLOWED. PROVIDE DEDICATED NEUTRALS FOR EACH CIRCUIT.
12. ALL SPARE CONDUITS (FOR FUTURE USE) SHALL BE LABELED "SPARE/FUTURE CONDUIT" AT EACH END OF THE CONDUIT WITH 1/2" TALL LETTERS, USING A PERMANENT MARKER.
13. ALL TYPICAL DEVICES SHALL BE MOUNTED AT CONSISTENT LOCATIONS AND HEIGHTS THROUGHOUT THIS PROJECT, UNLESS NOTED OTHERWISE.
14. SEE ALL DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL WORK. ALL DETAILS AND RISERS ARE APPLICABLE TO THIS PROJECT WHETHER REFERENCED OR NOT.
15. COORDINATE THE EXACT LOCATIONS OF EQUIPMENT WITH THE ARCHITECT, MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR AND ALL OTHER TRADES, PRIOR TO ROUGH IN.
16. GROUNDING SHALL CONFORM TO NEC 250.
17. SEE ARCHITECTURAL LIFE SAFETY PLANS FOR FIRE RATED WALL LOCATIONS. PROVIDE FIRE RATED MECHANICAL PENETRATIONS (STI EZ-PATH OR EQUAL) FOR ALL CABLES TRANSITIONING THROUGH RATED WALLS. EC SHALL FIRE SEAL AROUND ALL CONDUITS PENETRATING THROUGH FLOORS, ROOF, AND FIRE RATED WALLS.
18. ALL OUTLETS, SWITCHES AND DEVICES SHALL NOT BE MOUNTED BACK TO BACK IN A WALL. LOCATE IN SEPARATE STUD BAYS, OR FURNISH WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS.
19. REVIEW ALL EXTERIOR MOUNTED EQUIPMENT FOR AIR BARRIER PENETRATIONS. SEE ARCHITECTURAL DETAILS FOR REQUIREMENTS ON MAINTAINING THE BUILDING'S ENVELOPE.
20. COMMISSIONING SHALL BE PROVIDED PER WASHINGTON STATE ENERGY CODE C103.6, C405, AND C408 AS REQUIRED. COORDINATE ALL WORK WITH COMMISSIONING CONTRACTOR.
21. ALL INTERVIEW ROOM PENETRATIONS FOR DEVICES, CONDUITS, AND BLACK BOXES SHALL BE FURNISHED WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS. ROOMS INCLUDE 053, 054, 055, 056, 109, 110, 132, 157, 158, AND 159. DO NOT ROUTE CABLE TRAY OR BUNDLES OF CABLES THAT SERVE OTHER AREAS THROUGH INTERVIEW ROOMS.

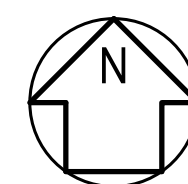
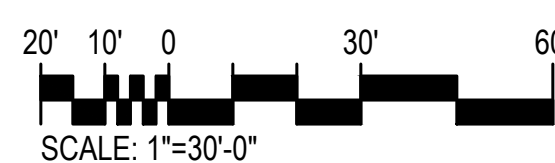
GENERAL LOW VOLTAGE SYSTEMS NOTES (APPLY TO ALL DRAWINGS)

1. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF AREAS WITH ACCESSIBLE CEILING SPACES, HARD LID CEILINGS, AND AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PROVIDE SURFACE-MOUNTED DEVICES AND THEIR RELATED SURFACE MOUNT BACK BOXES IN AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PAINT EACH BACKBOX TO MATCH THE ADJACENT SURFACE.
2. ROOMS AND/OR AREAS WITH EXPOSED CEILINGS SHALL HAVE ALL CABLES ROUTED IN CONDUIT. CONDUIT SHALL BE TIGHT TO STRUCTURE, ROUTED PARALLEL AND ADJACENT TO STRUCTURE, AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE. SURFACE MOUNTED CONDUITS SHALL NOT BE UTILIZED IN OCCUPIED SPACES. CONCEAL CONDUITS WITHIN CEILING (ABOVE CEILING / BELOW ROOF) IN OCCUPIED SPACES WHERE NO ACCESSIBLE CEILING SPACE IS AVAILABLE AND CLT CEILING IS USED PER STRUCTURAL PLANS.
3. FIRE WALLS SHOWN ARE DIAGRAMMATIC, REFER TO FINAL ARCHITECTURAL DRAWINGS FOR RATED WALLS, AND PROVIDE FIRE RATED PENETRATIONS FOR ALL LOW VOLTAGE CABLES TRANSITIONING THROUGH RATED WALLS. EC SHALL FIRE SEAL AROUND ALL CONDUITS PENETRATING THROUGH FLOORS, ROOF, AND FIRE RATED WALLS.
4. WHERE OPEN CABLING IS PERMITTED BY CODE, EACH LOW VOLTAGE SYSTEM SHALL HAVE THEIR CABLES SUSPENDED SEPARATE FROM OTHER LOW VOLTAGE SYSTEMS (I.E. FIRE ALARM CABLES IN ONE J-HOOK, INTRUSION ALARM IN ANOTHER J-HOOK, AND SO ON). ALL CABLES MUST BE ROUTED IN CONDUIT IN AREAS WITH EXPOSED CEILINGS.
5. ALL OUTLETS, SWITCHES AND DEVICES MOUNTED BACK TO BACK IN A WALL, MUST LOCATED IN SEPARATE STUD BAYS, OR FURNISHED WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS.
6. CAMERAS SHALL BE LOCATED AS SUCH TO AVOID RESTRICTING THE CAMERAS FIELD OF VIEW FROM: EXIT SIGNS, LIGHTING, DOOR HEADERS, BUILDING FEATURES, BANNERS, OR OTHER (ART) ITEMS HANGING FROM THE CEILING. COORDINATE WITH ALL TRADES AS REQUIRED PRIOR TO ROUGH-IN.
7. SEE THE ACCESS CONTROL SYSTEM RISER DIAGRAM, RELATED DETAIL SHEETS, AND THE ELECTRICAL LEGEND, FOR EQUIPMENT THAT IS NOT SHOWN ON THE FLOOR PLANS, BUT SHALL BE PROVIDED AND INSTALLED FOR THIS PROJECT.
8. ALL TELECOMMUNICATIONS OUTLETS HORIZONTAL CABLING SHALL BE ROUTED TO THE CLOSEST TELECOMMUNICATIONS ROOM AS REQUIRED BY SECTION 272000.
9. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.





1 ELECTRICAL SITE PLAN - NORTH  
SCALE: 1" = 30' - 0"



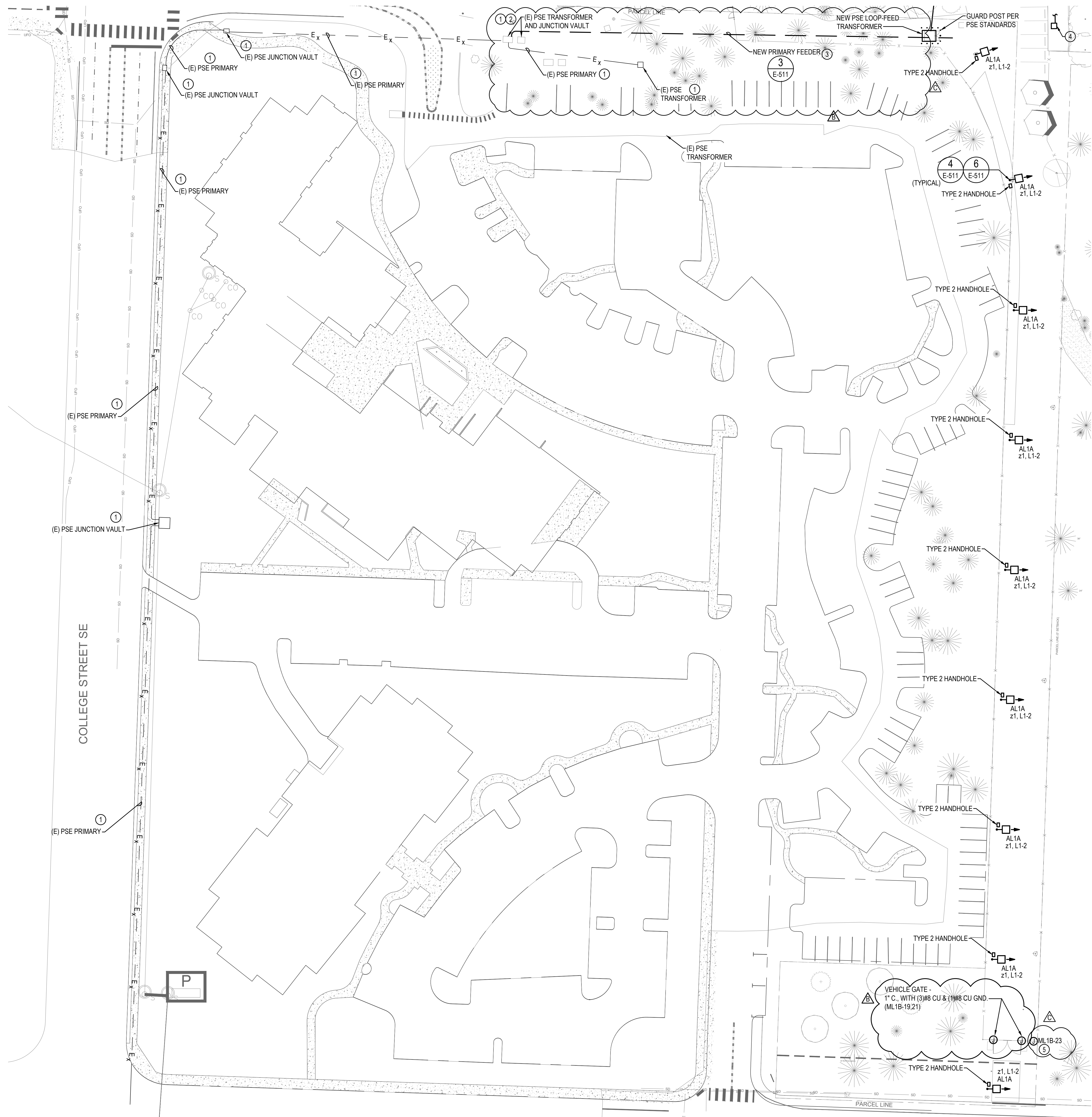
#### GENERAL NOTES

- ELECTRICAL POWER SERVICE INSTALLATION SHALL BE PROVIDED AND INSTALLED PER PSE STANDARDS. COORDINATE ALL REQUIREMENTS WITH PSE PRIOR TO STARTING WORK.
- PROVIDE NYLON PULL STRING IN ALL SPARE OR EMPTY CONDUITS.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL HANDHOLES/VAULTS TO MEET ALLOWABLE BEND REQUIREMENTS. DEPENDING ON THE ACTUAL CONDUIT ROUTING, ADDITIONAL HANDHOLES/VAULTS MAY BE NECESSARY.
- CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK. COORDINATE ALL ROUTING OF UNDERGROUND CONDUITS WITH OTHER EXISTING AND NEW UTILITIES. COORDINATE LOCATIONS WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND LANDSCAPE PLANS.
- PROVIDE A MINIMUM OF 1" C. #10 CU WIRING, TRENCHING, AND BACKFILL FOR ALL EXTERIOR LIGHTING AND DEVICE CIRCUITS.
- FOR EXTERIOR LIGHTING FIXTURE CIRCUITING, WHERE "2#L1-# " IS SHOWN, "2#" INDICATES LIGHTING ZONE/GROUPING, AND "L1-# " INDICATES CIRCUIT NUMBER.

#### CONSTRUCTION NOTES

- SECONDARY SERVICE CONDUIT AND CONDUCTORS. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE (2) 4" PVC CONDUITS WITH PULLSTRINGS FOR FUTURE EV CHARGING INFRASTRUCTURE.
- PROVIDE 444-LA VAULT WITH LID AND SLIP RESISTANT HATCH.
- PROVIDE 776-LA VAULT AND CONCRETE COVER FOR FUTURE PSE EV CHARGING SERVICE.
- ADD ALTERNATE NO. 2:  
BASE:  
ROUTE 1" CONDUIT FROM TYPE 2 HANDHOLE, LOCATED ADJACENT TO FUTURE CAR PORT TO MAIN ELECTRICAL ROOM, PANEL "P1A". IN BASE BID, POWER FOR CAR WASH TO BE SUPPORTED BY EXTERIOR RECEPTACLE MOUNTED TO WALL (SEE SHEET E-132).  
ALTERNATE:  
PROVIDE #12 CONDUCTORS FOR CONNECTION TO CAR PORT POWER AND LIGHTING. PROVIDE (3) SL3 LIGHTING FIXTURES AND GFCI RECEPTACLE MOUNTED IN WEATHERPROOF, WHILE-IN-USE BOX. SURFACE MOUNT LIGHTING FIXTURES EVENLY SPACED TO ROOF DECKING. MOUNT RECEPTACLE AND LIGHT SWITCH TO POST.
- (2) 2" CONDUIT WITH PULLSTRING.
- FEEDER FOR TRAINING BUILDING - SEE ONE-LINE DIAGRAM.
- (1) 2" CONDUIT FOR FIRE ALARM PANEL CONNECTION. (1) 1" CONDUIT FOR CONNECTION TO EMCS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH INSTALLING VENDOR PRIOR TO STARTING WORK.
- PROVIDE CONDUIT AND CONDUCTORS FOR POWER, BATTERY CHARGER, AND BLOCK HEATER. SEE ONE-LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE STUB UP LOCATIONS WITH MANUFACTURER SHOP DRAWINGS PRIOR TO STARTING UNDERGROUND WORK.
- PROVIDE 1" C. WITH (3) #12 CU & (1) #12 CU GND FOR CONNECTION TO SEWER LIFT STATION. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH LIFT STATION INSTALLING VENDOR PRIOR TO ROUGH IN.
- PROVED 1" C. WITH (2) #12 CU & (1) #12 CU GND AND CONNECTION TO LIFT STATION CONTROL PANEL.
- ADD ALTERNATIVE NO. 3  
BASE BID:  
PROVIDE CHARGEPOINT CT4000 SERIES, DUAL-PORT LEVEL 2 EV CHARGING STATION. PROVIDE 2" C. WITH (3) #8 CU & (1) #10 CU GND. INCLUDES ALL MATERIALS, LABOR, COMMISSIONING, WARRANTIES, AND 5-YEAR SERVICE AGREEMENT. REFER TO ONE-LINE AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.  
ALTERNATE:  
PROVIDE CHARGEPOINT CPE250 SERIES 480V DC FAST CHARGER. PROVIDE 2" C. WITH (4) #2 CU AND (1) #8 CU GND. INCLUDES ALL MATERIALS, LABOR COMMISSIONING, WARRANTIES, AND 5-YEAR SERVICE AGREEMENT. REFER TO ONE-LINE AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- MOUNT LIGHTS AT 12'-6" ABOVE FIRST FLOOR.
- PROVIDE CONNECTION TO MOTORIZED GATE CONTROLLER. COORDINATE LOCATION WITH GATE INSTALLING VENDOR.





GENERAL NOTES

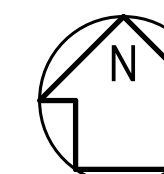
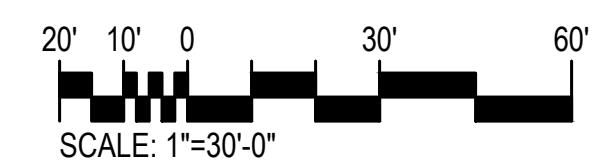
- ELECTRICAL POWER SERVICE INSTALLATION SHALL BE PROVIDED AND INSTALLED PER PSE STANDARDS. COORDINATE ALL REQUIREMENTS WITH PSE PRIOR TO STARTING WORK.
- PROVIDE NYLON PULL STRING IN ALL SPARE OR EMPTY CONDUITS.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL HANDHOLES/VAULTS TO MEET ALLOWABLE BEND REQUIREMENTS. DEPENDING ON THE ACTUAL CONDUIT ROUTING, ADDITIONAL HANDHOLES/VAULTS MAY BE NECESSARY.
- CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK. COORDINATE ALL ROUTING OF UNDERGROUND CONDUITS WITH OTHER EXISTING AND NEW UTILITIES. COORDINATE LOCATIONS WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND LANDSCAPE PLANS.
- PROVIDE A MINIMUM OF 1\"C. #10 CU WIRING. TRENCHING, AND BACKFILL FOR ALL EXTERIOR LIGHTING AND DEVICE CIRCUITS.
- FOR EXTERIOR LIGHTING FIXTURE CIRCUITING, WHERE \"z#\" L1-#\" IS SHOWN, \"z#\" INDICATES LIGHTING ZONE/GROUPING, AND \"L1-#\" INDICATES CIRCUIT NUMBER.

CONSTRUCTION NOTES

- COORDINATE WITH PSE FOR INTERCEPTION AND EXTENSION OF EXISTING CONDUIT TO NEW LOCATION.
- NEW PSE SERVICE CONNECTION - COORDINATE WITH PSE FOR UNDERGROUND LINE EXTENSION.
- PROVIDE (2) 4\" PVC CONDUITS - COORDINATE WITH PSE FOR CONDUIT, WIRE, AND TRENCHING REQUIREMENTS.
- PROVIDE 444-LA VAULT WITH LID AND SLIP RESISTANT HATCH.
- PROVIDE CONNECTION TO MOTORIZED GATE CONTROLLER. COORDINATE LOCATION WITH GATE INSTALLING VENDOR.

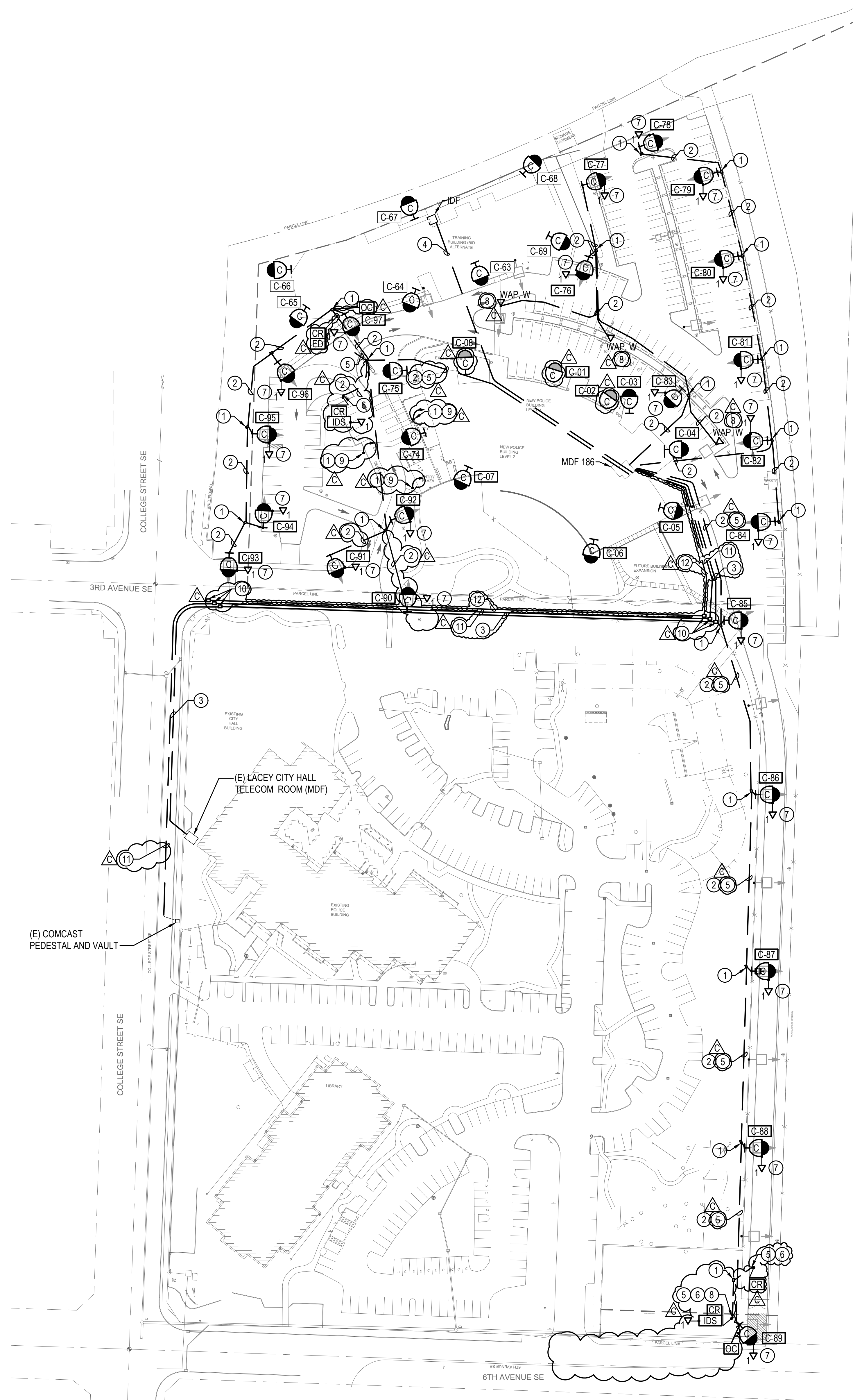
ELECTRICAL SITE PLAN - SOUTH

SCALE: 1\" = 30' - 0\"

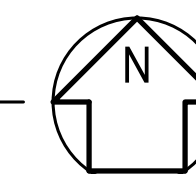
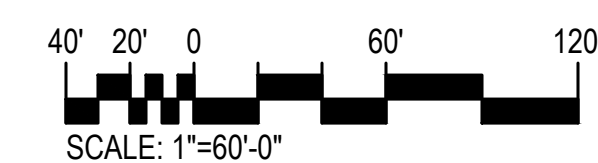




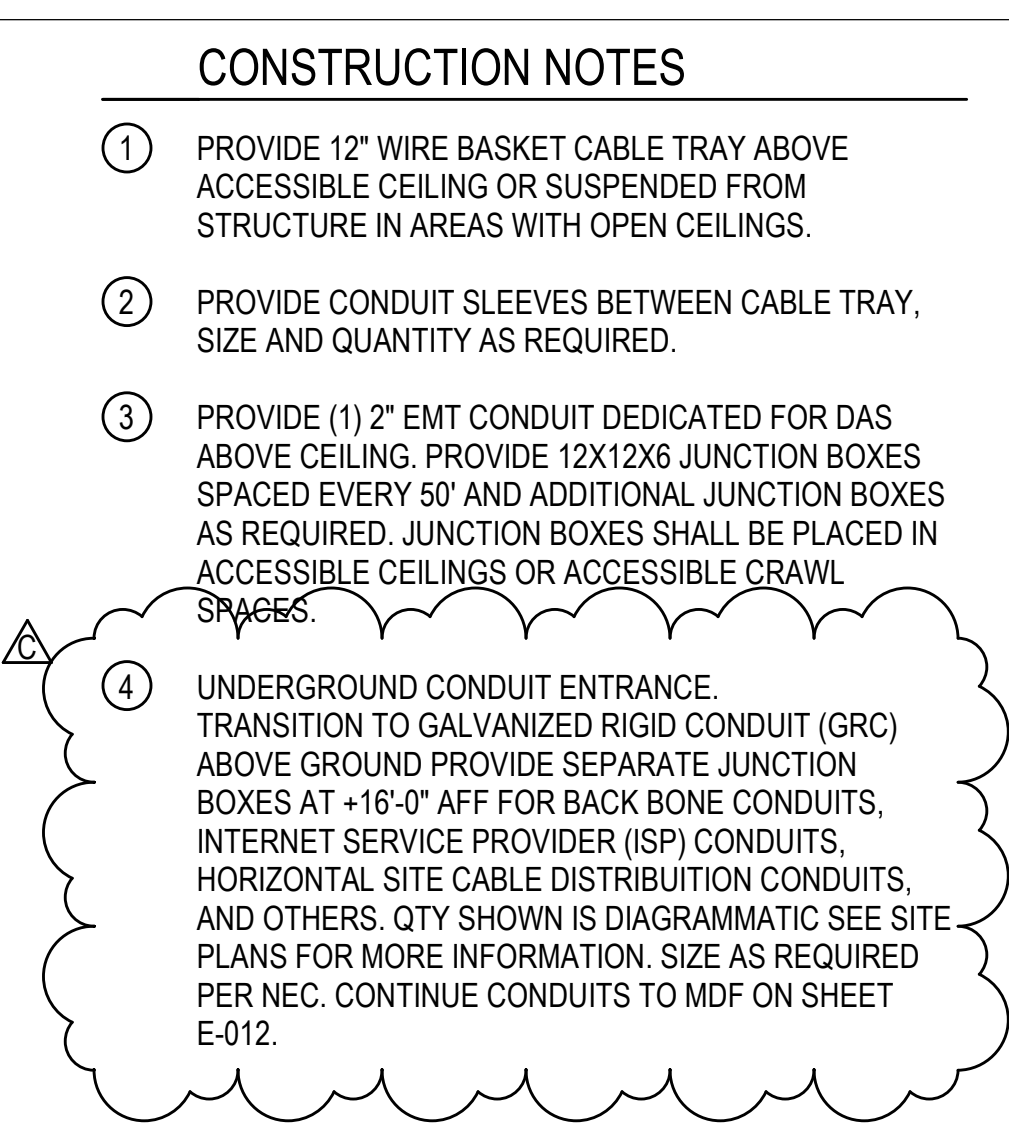
- ① PROVIDE ~~ROUTE~~ CONDUIT 1" TYPE 2H AND HOLE DEEPER TO LOW VOLTAGE AND SECURITY SYSTEMS AND (1) 1" TO POLE BASE.
- ② PROVIDE (1) 2-STRAND SINGLE MOE FIBER TO EACH POLE ENCLOSURE PER TELECOM AND CCTV DETAILS.
- ③ NEW FIBER AND COPPER BACK BONE CONDUIT FROM CITY HALL MD TO LACEY PD MDF. ~~PROVIDE~~ (2) 4" CONDUITS WITH 3-CELL MAXCELL INNER-DUCT IN EACH, 96-STRAND OS2 SM FIBER (12 STRANDS ~~TERMINATED ONLY~~) AND 25-PAIR CAT5E COPPER. RESERVE THE SECOND CONDUIT AND MAXCELL AS SPARE.
- ④ NEW FIBER AND COPPER BACK BONE CONDUIT FROM LACEY PD MDF TO PD TRAINING IDF. (2) 4" CONDUITS WITH 3-CELL MAXCELL INNER-DUCT IN EACH, 24-STRAND OS2 SM FIBER (12-STRANDS ~~TERMINATED ONLY~~) AND 25-PAIR CAT5E COPPER. PROVIDE AN ADDITIONAL (3) 2" CONDUITS FOR FIRE ALARM BUILDING CONTROLS, AND ONE SPARE BACKBONE CONDUIT.
- ⑤ VEHICLE GATE ACCESS CONTROL CONNECTION GATE MOTOR. PROVIDE (1) 1" CONDUIT AS SHOWN. CONFIRM EXACT LOCATION OF GATE MOTOR PRIOR TO ROUGH-IN.
- ⑥ VEHICLE GATE ACCESS CONTROL CARD READER/KEYPAD AND ~~VIDEO~~ AUDIO/VIDEO INTERCOM DOOR STATION ON PEDESTAL. PROVIDE (1) 1" CONDUIT AS SHOWN. CONFIRM EXACT LOCATION OF PEDESTAL BASE PRIOR TO ROUGH-IN.
- ⑦ PROVIDE 2-STRAND FIBER OPTIC CABLE FROM MDL POLE MOUNT ENCLOSURE, MEDIA CONVERTER, POWER SUPPLIES, AND CAT6 TO CAMERA FROM ENCLOSURE. SEE TELECOM RISER DIAGRAM AND CCTV DETAILS FOR MORE INFORMATION.
- ⑧ ROUTE CABLE FROM TELECOM ENCLOSURE AND MEDIA CONVERTER TO POLE MOUNT WIRELESS ACCESS POINT OR INTERCOM DOOR STATION FROM GATE PEDESTAL.
- ⑨ ROUTE (1) 1"C. TO IDF 107. ROUGH-IN ONLY FOR FUTURE BLUE PHONE HELP STATION.
- ⑩ PROVIDE NEW 2537A VAULT.
- ⑪ PROVIDE NEW COMCAST (1) 4" CONDUIT FOR ISP CABLE ROUTING.
- ⑫ PROVIDE NEW SPARE ISP (1) 4" CONDUIT FOR FUTURE USE.



1 OVERALL SYSTEMS SITE PLAN  
SCALE: 1" = 60' - 0"





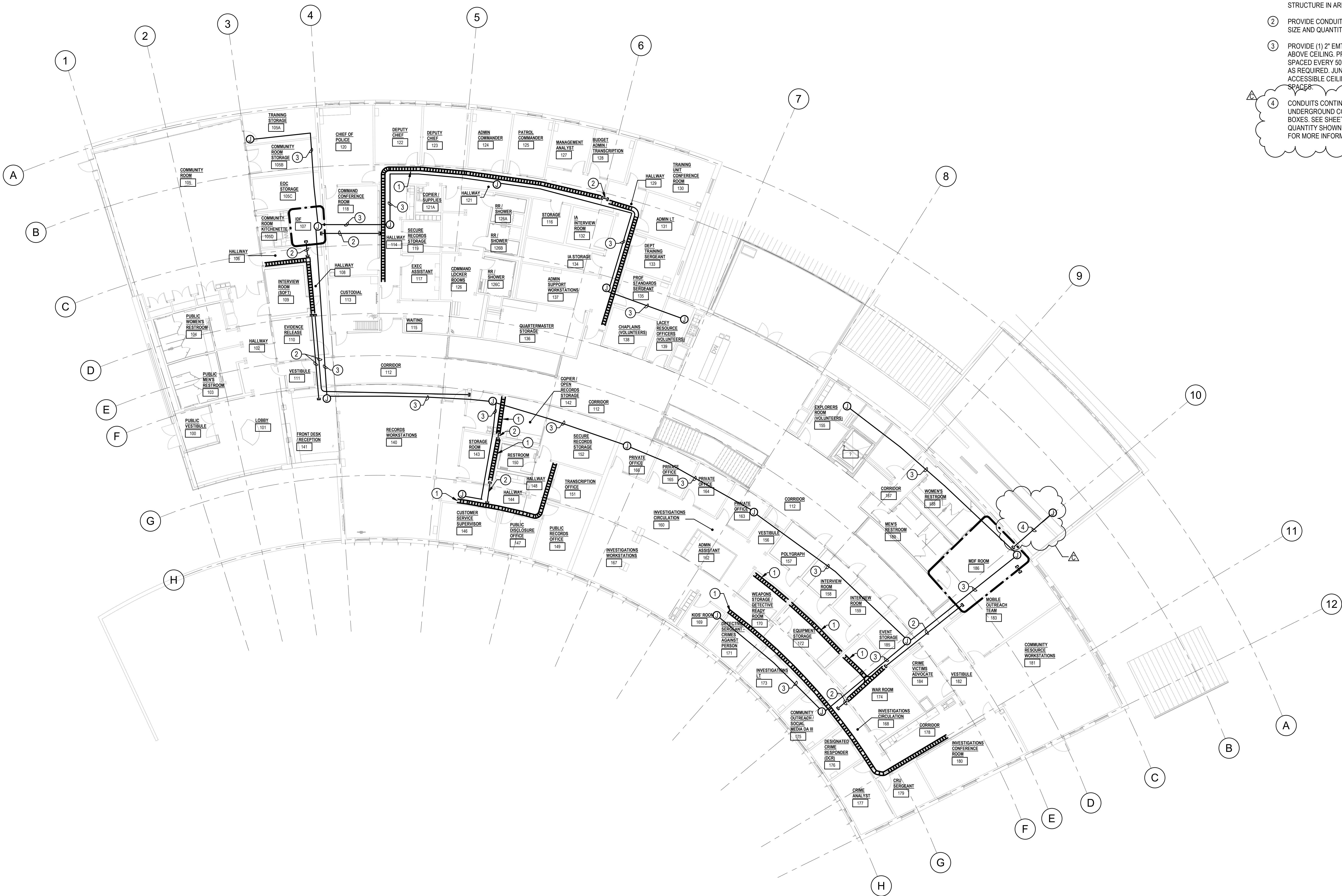




## CONSTRUCTION NOTES

- 1 PROVIDE 12" WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING OR SUSPENDED FROM STRUCTURE IN AREAS WITH OPEN CEILINGS.
- 2 PROVIDE CONDUIT SLEEVES BETWEEN CABLE TRAY, SIZE AND QUANTITY AS REQUIRED.
- 3 PROVIDE (1) 2" EMT CONDUIT DEDICATED FOR DAS ABOVE CEILING. PROVIDE 12X12X6 JUNCTION BOXES SPACED EVERY 50' AND ADDITIONAL JUNCTION BOXES AS REQUIRED. JUNCTION BOXES SHALL BE PLACED IN ACCESSIBLE CEILINGS OR ACCESSIBLE CRAWL SPACES.

- 4 CONDUITS CONTINUED FROM SALLY PORT UNDERGROUND CONDUIT RISER AND JUNCTION BOXES. SEE SHEET E-011 FOR MORE INFORMATION. QUANTITY SHOWN IS DIAGRAMMATIC. SEE SITE PLAN FOR MORE INFORMATION.



## OVERALL UPPER LEVEL - SYSTEMS CONDUIT ROUTING PLAN

SCALE: 3/32" = 1'-0"

**NEW POLICE STATION**  
**CITY OF LACEY**  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21REVISIONS:  
C ADDENDUM 03 10/26/2023DATE:  
09.14.2023

100% DESIGN

SHEET NO.

**E-012**OVERALL UPPER LEVEL -  
SYSTEMS CONDUIT  
ROUTING PLAN

SHEET \_\_\_\_\_ OF \_\_\_\_\_



## ROOM SCHEDULE - LOWER LEVEL WEST

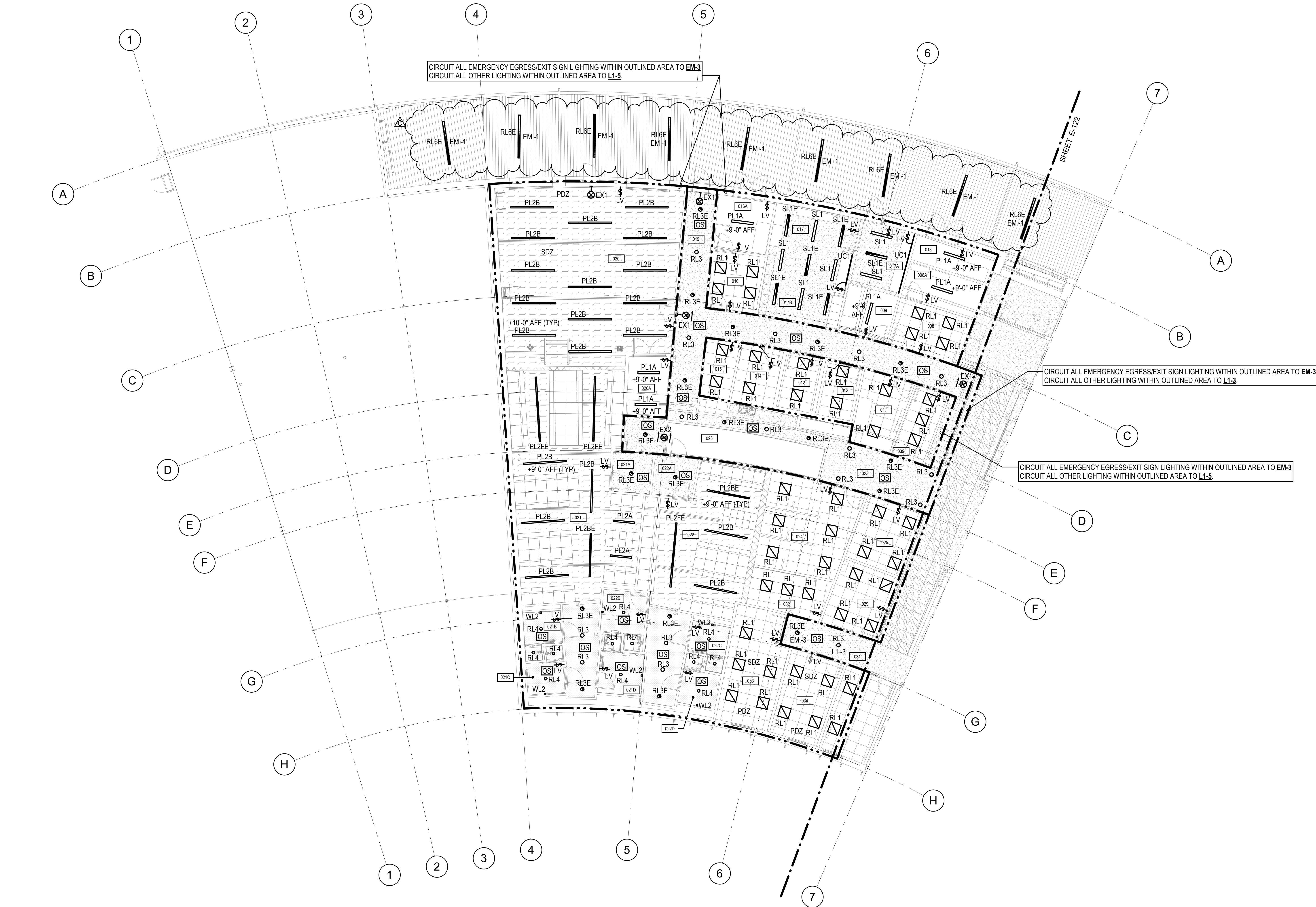
NUMBER	NAME
007	HALLWAY
008	IS OFFICE
008A	IS STORAGE
009	K-9 STORAGE
011	LIDAR STORAGE
012	MEN'S DECOMPR. ROOM
013	WOMEN'S DECOMPR. ROOM
014	LACTATION ROOM
015	LAUNDRY DROP-OFF RETURN
016	FACILITIES / MAINTENANCE OFFICE
016A	STORAGE / LOADING BAY
017	ARMORY
017A	GUN CLEANING STATIONS
017B	TARGET AND AMMUNITION STORAGE
018	SWAT STORAGE
019	HALLWAY
020	FITNESS ROOM
020A	DT STORAGE
021	MEN'S LOCKER ROOM
021A	MEN'S VESTIBULE
021B	MEN'S RR / SHOWERS
021C	MEN'S RR / SHOWERS
021D	MEN'S ADA RR/SHOWERS
022	WOMEN'S LOCKER ROOM
022A	WOMEN'S VESTIBULE
022B	WOMEN'S ADA RR/SHOWERS
022C	WOMEN'S RR / SHOWERS
022D	WOMEN'S RR / SHOWERS
023	OPERATIONS CORRIDOR
024	FTO OFFICE
025	FTO SERGEANT
027	COFFEE ALCOVE
029	TRAFFIC OFFICE
031	HALLWAY
032	COPY / PRINTER / SUPPLIES
033	PATROL ANALYSTS / SROs
034	PATROL LT
039	RIFLE STORAGE

## NEW POLICE STATION

## CITY OF LACEY

222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21REVISIONS:  
1 PERMIT 8-31-2023  
REVISION  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023DATE:  
09.14.2023  
100% DESIGNSHEET NO.  
**E-121**  
LOWER LEVEL - LIGHTING  
PLAN - WEST

SHEET \_\_\_\_ OF \_\_\_\_



## LOWER LEVEL - LIGHTING PLAN - WEST

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



## CONSTRUCTION NOTES

- ELEVATOR LANDING LIGHT TO BE WIRED TO CONSTANT HOT FOR 24/7 ILLUMINATION.
- 3-WAY SWITCH FOR ELEVATOR PIT AND ELEVATOR SHAFT LIGHTING.
- PROVIDE LIGHTING CONTROL INTEGRATION WITH THE AV SYSTEM TOUCH SCREEN. SEE AV SYSTEM DETAILS AND LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- PROVIDE OCCUPANCY SENSORS WITH DRY CONTACT OUTPUT FOR HVAC INTEGRATION.

## ROOM SCHEDULE - LOWER LEVEL EAST

NUMBER	NAME
002	MAIN SECURE ENTRYWAY
002A	DUTY BAG LOCKERS
002B	DUTY BAG LOCKERS
003	BRIEFING ROOM
004	REPORT WRITING
004A	WALL OF HONOR
005	VESTIBULE
007	HALLWAY
023	OPERATIONS CORRIDOR
026	JUVENILE
028	HALLWAY
030	PATROL CONFERENCE ROOM
031	HALLWAY
031A	MAIL
035	PATROL LT
036	PATROL SERGEANTS
037	PATROL SERGEANTS
038	HALLWAY
038A	RIOT GEAR ALCOVE
040	LESS-THAN-LETHAL STORAGE
041	RESTROOM
042	EVIDENCE PACKAGING
043	LARGE EVIDENCE DROP
044	EVIDENCE PROCESSING
045	EVIDENCE SUPPLY STORAGE
046	EVIDENCE TECHNICIAN
047	BULK EVIDENCE STORAGE
047A	DRUG / MONEY STORAGE
047B	WEAPON EVIDENCE STORAGE
048	VEHICLE STORAGE / PROCESSING BAY
049	ELECTRICAL ROOM
050	VESTIBULE
052	HOLDING CIRCULATION
052A	PLUMBING CHASE
053	INTERVIEW
054	SINGLE HOLDING (ADA)
055	INTERVIEW
056	SINGLE HOLDING
057	UNISEX RESTROOM
058	FINGERPRINT
059	DUI PROCESSING / INTOXILYZER
060	SALLY PORT
061	MECHANICAL / RISER ROOM

## NEW POLICE STATION

## CITY OF LACEY

222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"REVISIONS:  
1 PERMIT 8-31-2023  
REVISION  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023DATE  
09.14.2023  
100% DESIGNSHEET NO.  
**E-122**  
LOWER LEVEL - LIGHTING  
PLAN - EAST

SHEET \_\_\_\_\_ OF \_\_\_\_\_





## CONSTRUCTION NOTES

1. INSTALL CL1 ABOVE ENTRY VESTIBULE AND AIM FIXTURE FOR ILLUMINATION OF LOBBY 101 CEILING.
2. PROVIDE LIGHTING CONTROL INTEGRATION WITH THE AV SYSTEM TOUCH SCREEN. SEE AV SYSTEM DETAILS AND LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
3. INSTALL FIXTURE ABOVE CANOPY - POSITION AND AIM LIGHT FOR EVEN ILLUMINATION OF LACEY POLICE DEPARTMENT SIGNAGE.
4. PROVIDE OCCUPANCY SENSORS WITH DRY CONTACT OUTPUT FOR HVAC INTEGRATION.

## ROOM SCHEDULE - UPPER LEVEL WEST

NUMBER	NAME
100	PUBLIC VESTIBULE
101	LOBBY
102	HALLWAY
103	PUBLIC MEN'S RESTROOM
104	PUBLIC WOMEN'S RESTROOM
105	COMMUNITY ROOM
105A	TRAINING STORAGE
105B	COMMUNITY ROOM STORAGE
105C	EOC STORAGE
105D	COMMUNITY ROOM KITCHENETTE
105E	ALCOVE 3
105F	ALCOVE 2
105G	ALCOVE 1
106	HALLWAY
107	IDF
108	HALLWAY
109	INTERVIEW ROOM (SOFT)
110	EVIDENCE RELEASE
111	VESTIBULE
112	CORRIDOR
113	CUSTODIAL
114	HALLWAY
114A	COFFEE ALCOVE
115	WAITING
116	STORAGE
117	EXEC ASSISTANT
118	COMMAND CONFERENCE ROOM
119	SECURE RECORDS STORAGE
120	CHIEF OF POLICE
121	HALLWAY
121A	COPIER / SUPPLIES
122	DEPUTY CHIEF
123	DEPUTY CHIEF
124	ADMIN COMMANDER
125	PATROL COMMANDER
126	COMMAND LOCKER ROOMS
126A	RR / SHOWER
126B	RR / SHOWER
126C	RR / SHOWER
127	MANAGEMENT ANALYST
128	BUDGET ADMIN / TRANSCRIPTION
129	HALLWAY
130	TRAINING UNIT CONFERENCE ROOM
131	ADMIN LT
132	IA INTERVIEW ROOM
133	DEPT TRAINING SERGEANT
134	IA STORAGE
135	PROF STANDARDS SERGEANT
136	QUARTERMASTER STORAGE
137	ADMIN SUPPORT WORKSTATIONS
138	CHAPLAINS (VOLUNTEERS)
140	RECORDS WORKSTATIONS
141	FRONT DESK / RECEPTION
142	COPIER / OPEN RECORDS STORAGE
143	STORAGE ROOM
144	HALLWAY
145	COFFEE ALCOVE
146	CUSTOMER SERVICE SUPERVISOR
147	PUBLIC DISCLOSURE OFFICE
148	HALLWAY
149	PUBLIC RECORDS OFFICE
150	RESTROOM
151	TRANSCRIPTION OFFICE
152	SECURE RECORDS STORAGE

## NEW POLICE STATION

## CITY OF LACEY

222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"REVISIONS:  
1 PERMIT 8-31-2023  
2 REVISION  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023DATE:  
09.14.2023

100% DESIGN

SHEET NO.

E-123

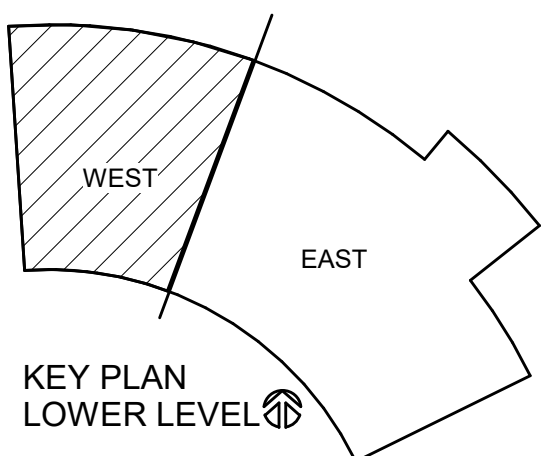
UPPER LEVEL - LIGHTING  
PLAN - WEST

SHEET \_\_\_\_\_ OF \_\_\_\_\_

CIRCUIT ALL EMERGENCY EGRESS/EXIT SIGN LIGHTING WITHIN OUTLINED AREA TO EM-5  
CIRCUIT ALL OTHER LIGHTING WITHIN OUTLINED AREA TO L1-15CIRCUIT ALL EMERGENCY EGRESS/EXIT SIGN LIGHTING WITHIN OUTLINED AREA TO EM-5  
CIRCUIT ALL OTHER LIGHTING WITHIN OUTLINED AREA TO L1-11CIRCUIT ALL EMERGENCY EGRESS/EXIT SIGN LIGHTING WITHIN OUTLINED AREA TO EM-5  
CIRCUIT ALL OTHER LIGHTING WITHIN OUTLINED AREA TO L1-15CIRCUIT ALL EMERGENCY EGRESS/EXIT SIGN LIGHTING WITHIN OUTLINED AREA TO EM-5  
CIRCUIT ALL OTHER LIGHTING WITHIN OUTLINED AREA TO L1-13

## MAIN LEVEL - LIGHTING PLAN - WEST

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

KEY PLAN  
LOWER LEVEL



CONSTRUCTION NOTES

- ALL CL1 IN WAR ROOM: INSTALL LIGHT FIXTURE ABOVE CEILING CLOUD FOR ILLUMINATION OF CEILING ABOVE.
- ELEVATOR LANDING LIGHT TO BE WIRED TO CONSTANT HOT FOR 24/7 ILLUMINATION.
- BREAK ROOM UNDER COUNTER LIGHTING CONTROL DIMMING OVERRIDE WALL SWITCH. LIGHTING OPERATION TO BE PROGRAMMED TO MATCH ADJACENT CORRIDOR SCHEDULE PER E-622.
- 3-WAY SWITCH FOR ELEVATOR PIT AND ELEVATOR SHAFT LIGHTING. INSTALL LIGHT FIXTURES AND SWITCH AT TOP OF SHAFT.
- PROVIDE LIGHTING CONTROL INTEGRATION WITH THE AV SYSTEM TOUCH SCREEN. SEE AV SYSTEM DETAILS AND LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- PROVIDE OCCUPANCY SENSORS WITH DRY CONTACT OUTPUT FOR HVAC INTEGRATION.

ROOM SCHEDULE - UPPER LEVEL EAST

NUMBER	NAME
112	CORRIDOR
139	LACEY RESOURCE OFFICERS (VOLUNTEERS)
154	BREAK ROOM
155	EXPLORERS ROOM (VOLUNTEERS)
156	VESTIBULE
157	POLYGRAPH
158	INTERVIEW ROOM
159	INTERVIEW ROOM
160	INVESTIGATIONS CIRCULATION
162	ADMIN ASSISTANT
163	PRIVATE OFFICE
164	PRIVATE OFFICE
165	PRIVATE OFFICE
166	PRIVATE OFFICE
167	INVESTIGATIONS WORKSTATIONS
168	INVESTIGATIONS CIRCULATION
169	KIDS' ROOM
170	WEAPONS STORAGE / DETECTIVE READY ROOM
171	DETECTIVE SERGEANT - CRIMES AGAINST PERSON
172	EQUIPMENT STORAGE
173	INVESTIGATIONS LT
174	WAR ROOM
175	COMMUNITY OUTREACH / SOCIAL MEDIA DA III
176	DESIGNATED CRIME RESPONDER (DCR)
177	CRIME ANALYST
178	CORRIDOR
178A	COPIER / SUPPLIES
178B	COFFEE ALCOVE
179	CRU SERGEANT
180	INVESTIGATIONS CONFERENCE ROOM
181	COMMUNITY RESOURCE WORKSTATIONS
182	VESTIBULE
183	MOBILE OUTREACH TEAM
184	CRIME VICTIMS ADVOCATE
185	EVENT STORAGE
186	MDF ROOM
186A	DAS
187	CORRIDOR
188	WOMEN'S RESTROOM
189	MEN'S RESTROOM
190	ELECTRICAL ROOM
191	BREAK ROOM PATIO

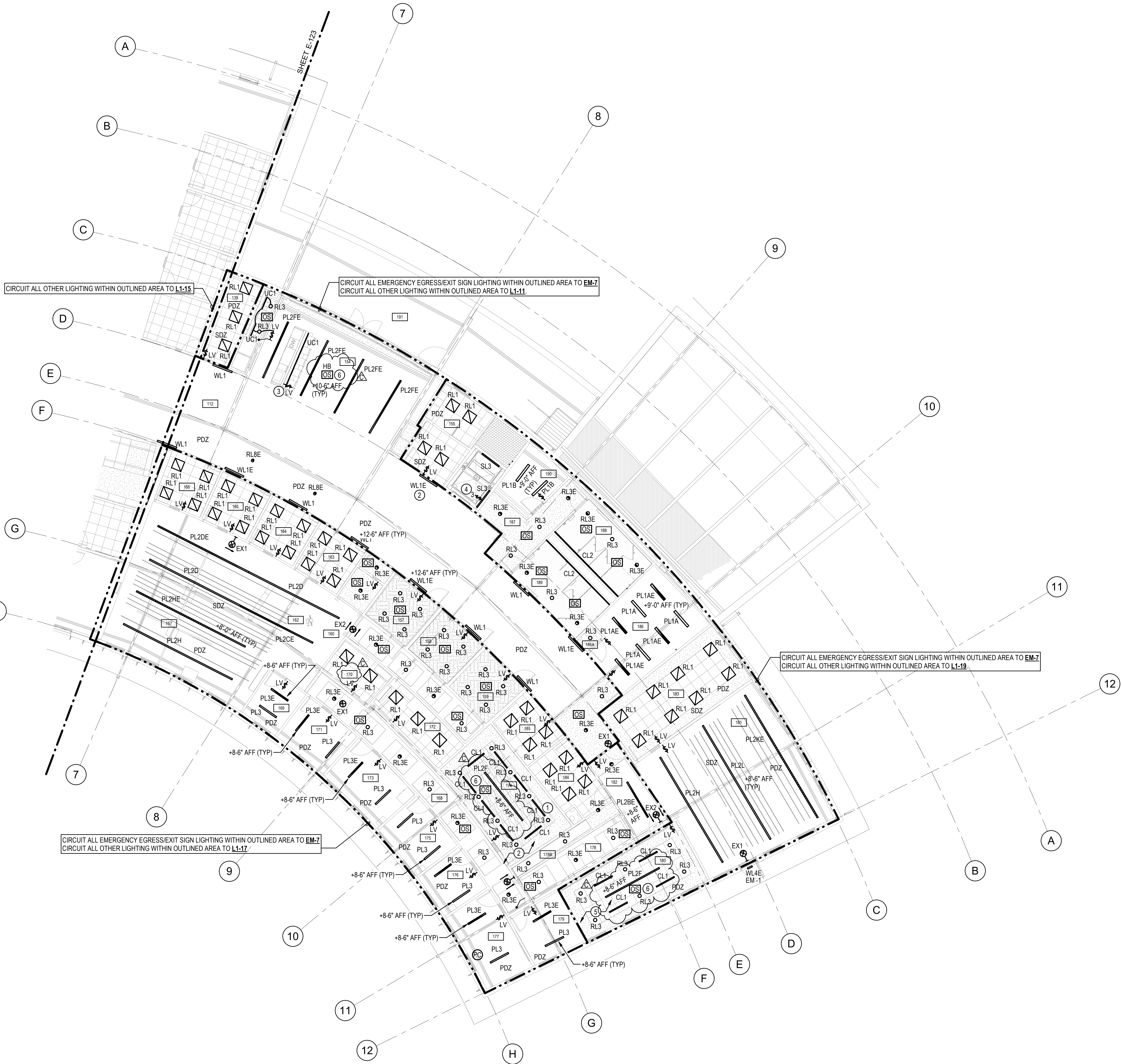
NEW POLICE STATION  
CITY OF LACEY  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"

REVISIONS:  
1 PERMIT 8-31-2023  
2 REVISION  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023

DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
E-124  
UPPER LEVEL - LIGHTING  
PLAN - EAST

SHEET \_\_\_\_\_ OF \_\_\_\_\_



TRUE NORTH  
MAIN LEVEL - LIGHTING PLAN - EAST  
SCALE: 1/8" = 1'-0"



## GENERAL NOTES

1. REFER TO SHEETS E-151-E-154 AND E-631-E-632 FOR MECHANICAL EQUIPMENT LOCATIONS AND CONNECTION DETAILS.
2. PROVIDE CONNECTION(S) FOR POWERED FURNITURE CIRCUITS NOTED WITH AN "(S)" REPRESENT CIRCUITS FOR CONTROLLED RECEPTACLES. PROVIDE POWER PACKS AS REQUIRED TO INTEGRATE CONTROLLED RECEPTACLES WITH THE LIGHTING CONTROL SYSTEM. CIRCUITING IS BASED ON A 2+2 WIRING HARNESS CONFIGURATION. IF A DIFFERENT WIRING HARNESS IS PROVIDED BY THE MANUFACTURER, MODIFICATIONS TO THE CIRCUITING SHOWN MAY NEED TO BE MADE IN THE FIELD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.

## CONSTRUCTION NOTES

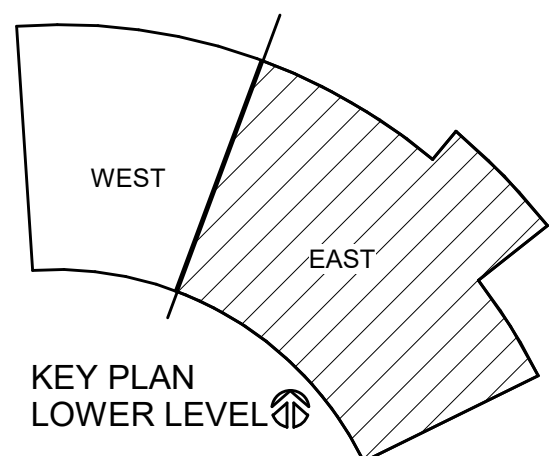
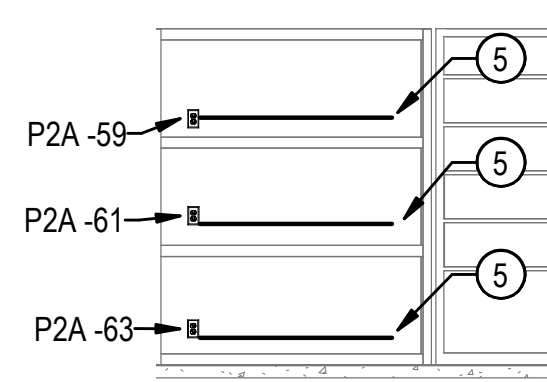
1. PROVIDE DEDICATED POWER CONNECTION FOR BOTTLE FILLER. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. FEED FROM GFCI BREAKER.
2. PROVIDE CONNECTION FOR FLUSH / FAUCET VALVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
3. PROVIDE COONNECTION FOR COPIER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
4. PROVIDE CONNECTION TO MOTORIZED WINDOW SHADES. PROVIDE CONCEALED RACEWAY, CONTROL SWITCH, JUNCTION BOXES, AND ALL MOTOR CONNECTIONS AS REQUIRED FOR A COMPLETE SYSTEM. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE FOR INTEGRATION WITH THE AV SYSTEM CONTROLS.
5. PROVIDE DUPLEX RECEPTACLES AND 4FT POWER STRIPS MOUNTED AT 9", 36", AND 52" AFF FOR DEVICE CHARGING. OUTLET SPACING ON POWER STRIP TO BE 6" MAXIMUM. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS WITH ARCHITECT AND FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.
6. PROVIDE CONNECTION FOR INTRUSION ALARM CONTROL PANEL. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
7. PROVIDE CONNECTION FOR INTRUSION ALARM POWER SUPPLY. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
8. PROVIDE CONNECTION FOR ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
9. PROVIDE CONNECTION FOR ACCESS CONTROL POWER SUPPLY. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
10. PROVIDE DEDICATED POWER CONNECTION FOR VENDING MACHINE AT + 3'-6" AFF. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. FEED FROM GFCI BREAKER.
11. PROVIDE FUSED SHUNT-TRIP DISCONNECT FOR ELEVATOR SUPPLY POWER. MOUNT ENCLOSURE SUCH THAT THE DISCONNECT HANDLE IS LOCATED NO MORE THAN 24" FROM THE DOOR OPENING ON THE LOCK-JAMB SIDE. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER. SEE DETAIL E7.01 FOR ADDITIONAL INFORMATION.
12. PROVIDE CONNECTION TO FIRE SMOKE DAMPER. COORDINATE EXACT REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN. EC TO PROVIDE DUCT SMOKE DETECTOR, MC TO INSTALL IN DUCTWORK.
13. PROVIDE POWER CONNECTION FOR SYSTEM CONTROLS. COORDINATE EXACT LOCATION WITH SYSTEMS INSTALLER PRIOR TO ROUGH-IN. SEE SHEET E-411 FOR MORE INFORMATION.
14. MOUNT RECEPTACLES IN CASEWORK BOOTH. COORDINATE WITH CASEWORK INSTALLER AND ARCHITECT FOR EXACT LOCATION AND ORIENTATION PRIOR TO ROUGH-IN. SEE ARCHITECTURAL DETAIL 18 ON SHEET A-251a AND DETAIL 19 ON SHEET A-583a FOR MORE INFORMATION.
15. FLOORBOXES LOCATED IN INVESTIGATIONS CONFERENCE ROOM 180 FED BY CENTRALIZED UPS.

## ROOM SCHEDULE - UPPER LEVEL EAST

NUMBER	NAME
112	CORRIDOR
139	LACEY RESOURCE OFFICERS (VOLUNTEERS)
154	BREAK ROOM
155	EXPLORERS ROOM (VOLUNTEERS)
156	VESTIBULE
157	POLYGRAPH
158	INTERVIEW ROOM
159	INTERVIEW ROOM
160	INVESTIGATIONS CIRCULATION
162	ADMIN ASSISTANT
163	PRIVATE OFFICE
164	PRIVATE OFFICE
165	PRIVATE OFFICE
166	PRIVATE OFFICE
167	INVESTIGATIONS WORKSTATIONS
168	INVESTIGATIONS CIRCULATION
169	KIDS' ROOM
170	WEAPONS STORAGE / DETECTIVE READY ROOM
171	DETECTIVE SERGEANT - CRIMES AGAINST PERSON
172	EQUIPMENT STORAGE
173	INVESTIGATIONS LT
174	WAR ROOM
175	COMMUNITY OUTREACH / SOCIAL MEDIA DA III
176	DESIGNATED CRIME RESPONDER (DCR)
177	CRIME ANALYST
178	CORRIDOR
178A	COPIER / SUPPLIES
178B	COFFEE ALCOVE
179	CRU SERGEANT
180	INVESTIGATIONS CONFERENCE ROOM
181	COMMUNITY RESOURCE WORKSTATIONS
182	VESTIBULE
183	MOBILE OUTREACH TEAM
184	CRIME VICTIMS ADVOCATE
185	EVENT STORAGE
186	MDF ROOM
186A	DAS
187	CORRIDOR
188	WOMEN'S RESTROOM
189	MEN'S RESTROOM
190	ELECTRICAL ROOM
191	BREAK ROOM PATIO

## SECTION VIEW POWER PLAN - EQUIPMENT STORAGE 172

1/4" = 1'-0"



## MAIN LEVEL - POWER PLAN - EAST

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



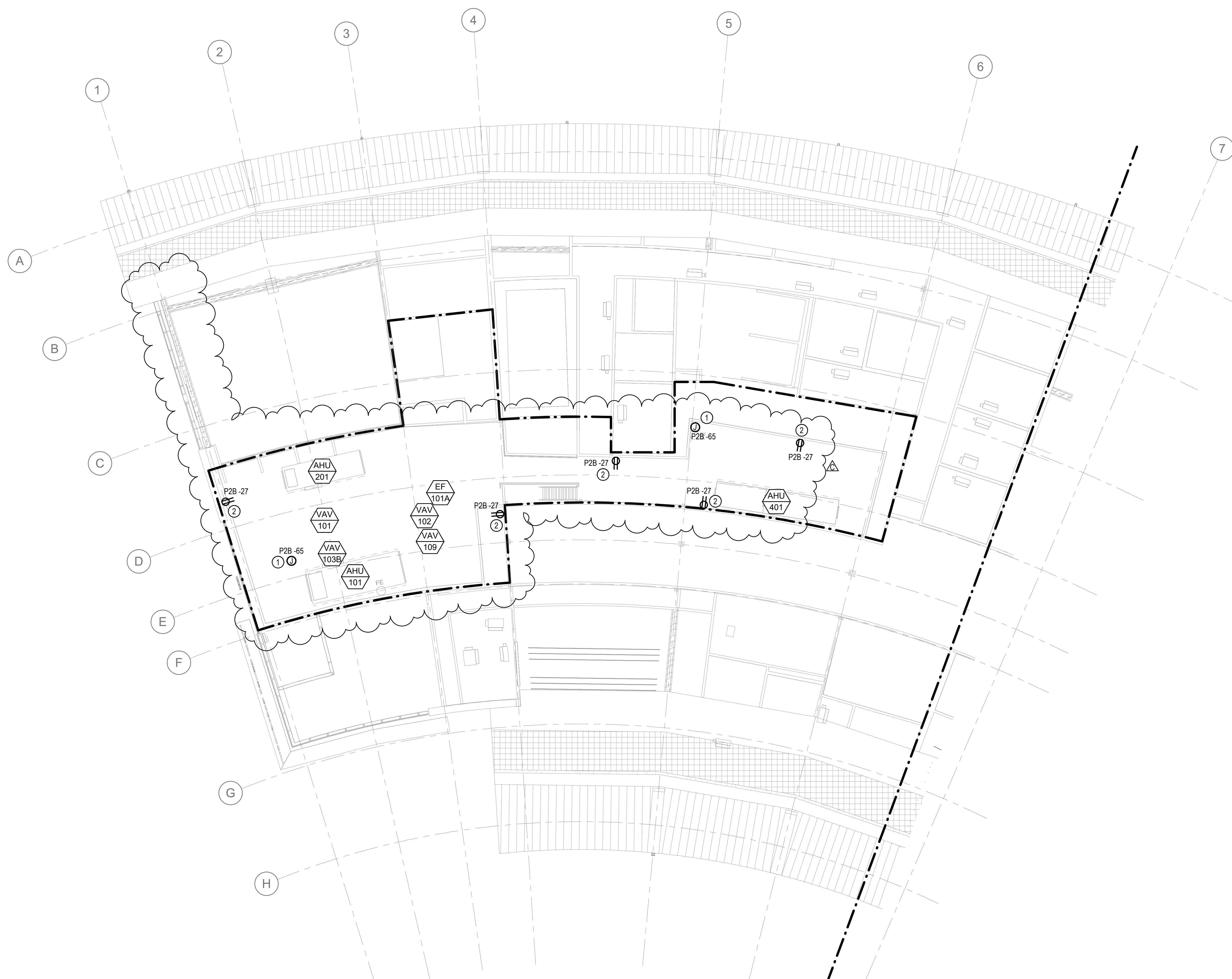


GENERAL NOTES

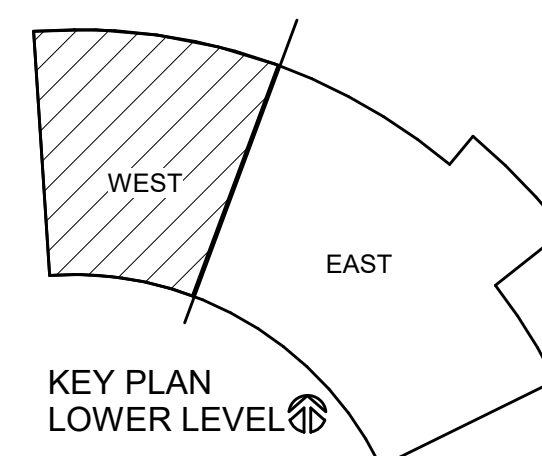
1. REFER TO SHEETS E-151-E154 AND E-631-E632 FOR MECHANICAL EQUIPMENT LOCATIONS AND CONNECTION DETAILS.

CONSTRUCTION NOTES

- 1 PROVIDE CONNECTION FOR TRAP PRIMER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
- 2 COORDINATE EXACT RECEPTACLE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



MECHANICAL MEZZANINE - POWER PLAN - WEST  
SCALE: 1/8" = 1'-0"





CONSTRUCTION NOTES

- 1 PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA LOCATION.
- 2 WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 3 WALL MOUNTED 86" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 4 MOUNT CAMERA TO CEILING OF OVERHANG. ROUTE CONDUIT RECESSED ABOVE CEILING TO THE NEAREST CABLE TRAY.

ROOM SCHEDULE - LOWER LEVEL WEST

NUMBER	NAME
007	HALLWAY
008	IS OFFICE
008A	IS STORAGE
009	K-9 STORAGE
011	LIDAR STORAGE
012	MENS DECOMPR. ROOM
013	WOMENS DECOMPR. ROOM
014	LACTATION ROOM
015	LAUNDRY DROP-OFF RETURN
016	FACILITIES / MAINTENANCE OFFICE
016A	STORAGE / LOADING BAY
017	ARMORY
017A	GUN CLEANING STATIONS
017B	TARGET AND AMMUNITION STORAGE
018	SWAT STORAGE
019	HALLWAY
020	FITNESS ROOM
020A	DT STORAGE
021	MENS LOCKER ROOM
021A	MENS VESTIBULE
021B	MENS RR / SHOWERS
021C	MENS RR / SHOWERS
021D	MENS ADA RR/SHOWERS
022	WOMENS LOCKER ROOM
022A	WOMENS VESTIBULE
022B	WOMENS ADA RR/SHOWERS
022C	WOMENS RR / SHOWERS
022D	WOMENS RR / SHOWERS
023	OPERATIONS CORRIDOR
024	FTO OFFICE
025	FTO SERGEANT
027	COFFEE ALCOVE
029	TRAFFIC OFFICE
031	HALLWAY
032	COPY / PRINTER / SUPPLIES
033	PATROL ANALYSTS / SROs
034	PATROL LT
039	RIFLE STORAGE

NEW POLICE STATION  
CITY OF LACEY  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21

REVISIONS:  
A ADDENDUM 01 10/12/2023  
C ADDENDUM 03 10/26/2023

DATE:  
09.14.2023  
100% DESIGN

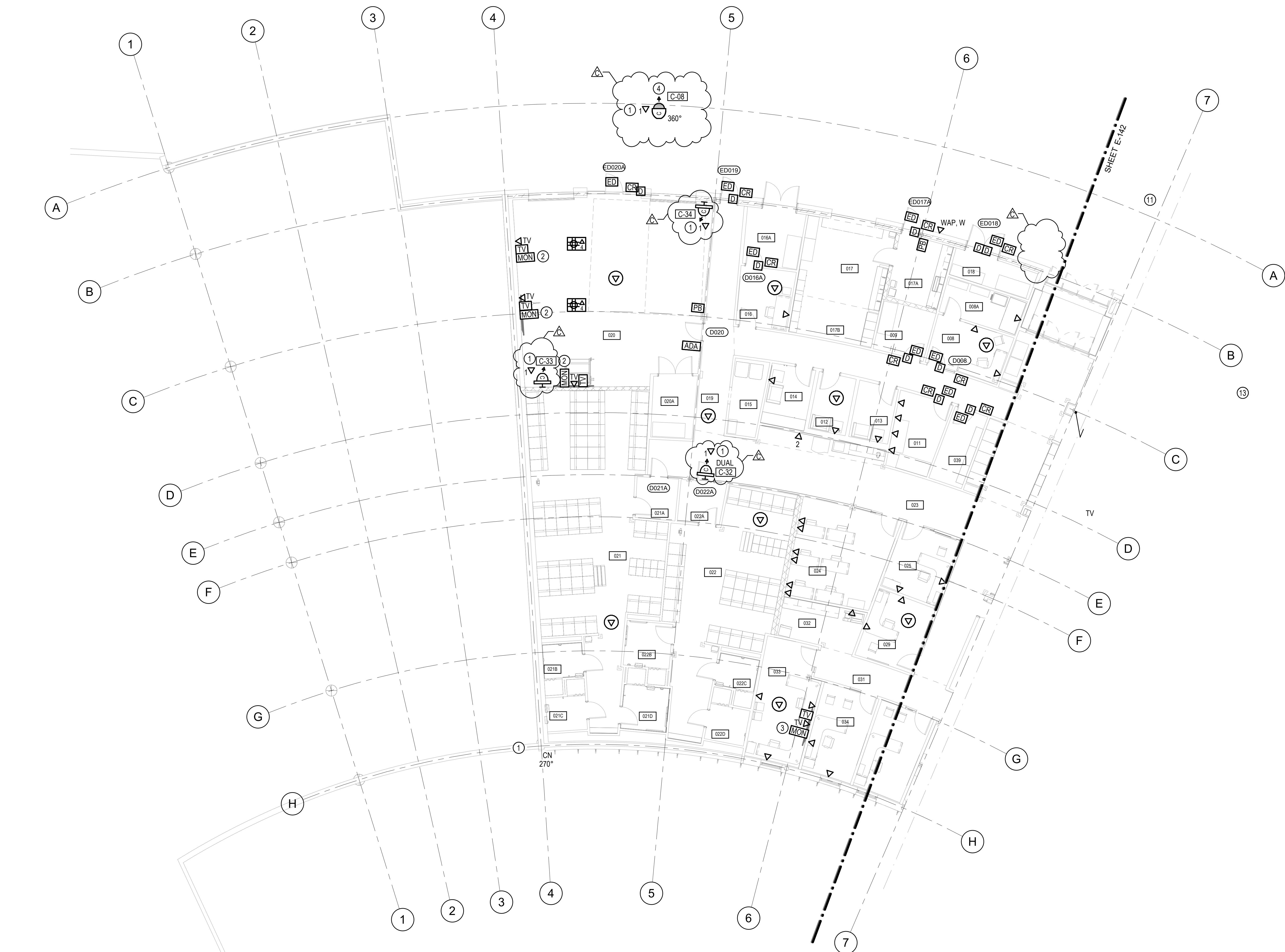
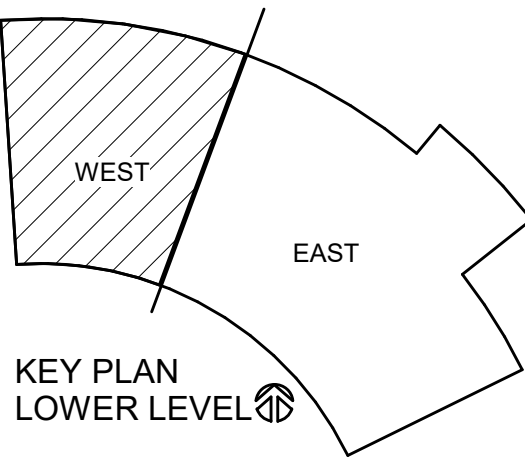
SHEET NO.

E-141

LOWER LEVEL - SYSTEMS

PLAN - WEST

SHEET \_\_\_\_\_ OF \_\_\_\_\_



TRUE NORTH  
SCALE: 1/8" = 1'-0"  
LOWER LEVEL - SYSTEMS PLAN - WEST



CONSTRUCTION NOTES

- 1 PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA, ACCESS CONTROL, AND AV DEVICE LOCATION.
- 2 WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 3 WALL MOUNTED 75" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 4 PEDESTAL MOUNTED CARD READER/KEYPAD. ROUTE (1) 1" CONDUIT TO CEILING SPACE.
- 5 ROLLING PODIUM W/ INTERNAL 19" AV RACK & EQUIPMENT. CONNECTS TO ANY S11 PLATE IN FLOOR BOX.
- 6 MONITORS ROUGH-IN ONLY
- 7 WALL MOUNTED 98" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 8 43" MONITOR C.A.D. COMPUTER AIDED DISPATCH DISPLAY - CLEAR OF HEAD HEIGHT IN WALKWAY.
- 9 WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 10 PROVIDE SURFACE MOUNT CONDUIT TO ACCESS CONTROL DEVICES AND BACK BOXES ON SECURE SIDE OF CAGE ENCLOSURE
- 11 MOUNT CAMERA TO CEILING OF OVERHUNG. ROUTE CONDUIT RECESSED ABOVE CEILING TO THE NEAREST CABLE TRAY
- 12 UTILIZE EXTENDER FOR IP-POE OVER COAXIAL CABLE PER 272000 SPECIFICATIONS AND CCTV RISER DIAGRAM. COORDINATE EXACT OUTLET LOCATION WITH ELEVATOR CONTRACTOR.
- 13 PROVIDE (4) CAT6A FROM THE MDF TO THE INDICATED FLOOR BOXES.

ROOM SCHEDULE - LOWER LEVEL EAST

NUMBER	NAME
002	MAIN SECURE ENTRYWAY
002A	DUTY BAG LOCKERS
002B	DUTY BAG LOCKERS
003	BRIEFING ROOM
004	REPORT WRITING
004A	WALL OF HONOR
005	VESTIBULE
007	HALLWAY
023	OPERATIONS CORRIDOR
026	JUVENILE
028	HALLWAY
030	PATROL CONFERENCE ROOM
031	HALLWAY
031A	MAIL
035	PATROL LT
036	PATROL SERGEANTS
037	PATROL SERGEANTS
038	HALLWAY
038A	RIOT GEAR ALCOVE
040	LESS-THAN-LETHAL STORAGE
041	RESTROOM
042	EVIDENCE PACKAGING
043	LARGE EVIDENCE DROP
044	EVIDENCE PROCESSING
045	EVIDENCE SUPPLY STORAGE
046	EVIDENCE TECHNICIAN
047	BULK EVIDENCE STORAGE
047A	DRUG / MONEY STORAGE
047B	WEAPON EVIDENCE STORAGE
048	VEHICLE STORAGE / PROCESSING BAY
049	ELECTRICAL ROOM
050	VESTIBULE
052	HOLDING CIRCULATION
052A	PLUMBING CHASE
053	INTERVIEW
054	SINGLE HOLDING (ADA)
055	INTERVIEW
056	SINGLE HOLDING
057	UNISEX RESTROOM
058	FINGERPRINT
059	DUI PROCESSING / INTOXILYZER
060	SALLY PORT
061	MECHANICAL / RISER ROOM

NEW POLICE STATION  
CITY OF LACEY  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

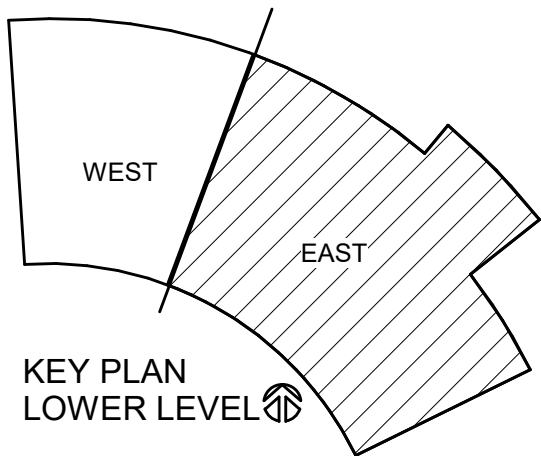
ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21  
REVISIONS:  
A ADDENDUM 01 10/12/2023  
C ADDENDUM 03 10/26/2023

DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
E-142  
LOWER LEVEL - SYSTEMS  
PLAN - EAST

SHEET \_\_\_\_\_ OF \_\_\_\_\_



LOWER LEVEL - SYSTEMS PLAN - EAST  
SCALE: 1/8" = 1'-0"





## CONSTRUCTION NOTES

- 1 PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA, ACCESS CONTROL, AND AV DEVICE LOCATION.
- 2 LOCATE INTERVIEW ROOM CONTROLS FOR INTERVIEW 109.
- 3 LOCATE INTERVIEW ROOM CONTROLS FOR EVIDENCE 110.
- 4 LOCATE INTERVIEW ROOM CONTROLS FOR IA INTERVIEW 132.
- 5 MOTORIZED PROJECTOR AND SCREEN BY DIV 27.
- 6 CEILING / POLE MOUNTED PROJECTOR.
- 7 ROUTE CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
- 8 FUTURE VIDEO DISPLAY FOR EMERGENCY OPERATIONS CENTER (E.O.C.) - X8 55" UHD SLIM BEZEL SCREENS - ROUGH IN ONLY (POWER AND DATA)
- 9 ROLLING PODIUM W/ INTERNAL 19" AV RACK & EQUIPMENT. CONNECTS TO ANY S11 PLATE IN FLOOR BOX.
- 10 FUTURE EOC AV RACK CABINET LOCATION (OFOI).
- 11 WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 12 WALL MOUNTED 86" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 13 WALL MOUNTED 75" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 14 PROVIDE 2" C. ROUTED UNDERGROUND FROM FLOOR BOX TO IDF 107.
- 15 PROVIDE 1-1/2" C. ROUTED UNDERGROUND BETWEEN FLOOR BOXES.
- 16 PANIC BUTTON LOCKS DOORS D100 AND ED100.
- 17 THIS DOOR RELEASE BUTTON UNLOCKS DOOR D111A.
- 18 THIS DOOR RELEASE BUTTON UNLOCKS DOOR D111B.
- 19 THIS DOOR RELEASE BUTTON UNLOCKS DOOR D100.
- 20 PROVIDE AUDIO-ONLY TWO-WAY DOOR INTERCOM STATION.
- 21 PROVIDE AUDIO AND VIDEO TWO-WAY DOOR INTERCOM STATION. CALL SHALL BE ROUTED TO FRONT DESK INITIALLY. PATROL PHONE IF NO ONE ANSWERS AT FRONT DESK, AND DISPATCH PHONE IF NO ONE ANSWERS AT PATROL.
- 22 WALL MOUNT CAMERA CENTERED WITH AND ABOVE AV TELECONFERENCE PTZ CAMERA
- 23 MOUNT CONDUIT UNDER ENTRY CANOPY. ROUTE CONCEALED CONDUIT SHOWN TO ACCESSIBLE CEILING OF FRONT DESK / RECEPTION 141.
- 24 PROVIDE (4) CAT6A FROM THE MDF TO THE INDICATED FLOOR BOXES.

## ROOM SCHEDULE - UPPER LEVEL WEST

NUMBER	NAME
100	PUBLIC VESTIBULE
101	LOBBY
102	HALLWAY
103	PUBLIC MEN'S RESTROOM
104	PUBLIC WOMEN'S RESTROOM
105	COMMUNITY ROOM
105A	TRAINING STORAGE
105B	COMMUNITY ROOM STORAGE
105C	EOC STORAGE
105D	COMMUNITY ROOM KITCHENETTE
105E	ALCOVE 3
105F	ALCOVE 2
105G	ALCOVE 1
106	HALLWAY
107	IDF
108	HALLWAY
109	INTERVIEW ROOM (SOFT)
110	EVIDENCE RELEASE
111	VESTIBULE
112	CORRIDOR
113	CUSTODIAL
114	HALLWAY
114A	COFFEE ALCOVE
115	WAITING
116	STORAGE
117	EXEC ASSISTANT
118	COMMAND CONFERENCE ROOM
119	SECURE RECORDS STORAGE
120	CHIEF OF POLICE
121	HALLWAY
121A	COPIER / SUPPLIES
122	DEPUTY CHIEF

## ROOM SCHEDULE - UPPER LEVEL WEST

NUMBER	NAME
123	DEPUTY CHIEF
124	ADMIN COMMANDER
125	PATROL COMMANDER
126	COMMAND LOCKER ROOMS
126A	RR / SHOWER
126B	RR / SHOWER
126C	RR / SHOWER
127	MANAGEMENT ANALYST
128	BUDGET ADMIN / TRANSCRIPTION
129	HALLWAY
130	TRAINING UNIT CONFERENCE ROOM
131	ADMIN LT
132	IA INTERVIEW ROOM
133	DEPT TRAINING SERGEANT
134	IA STORAGE
135	PROF STANDARDS SERGEANT
136	QUARTERMASTER STORAGE
137	ADMIN SUPPORT WORKSTATIONS
138	CHAPLAINS (VOLUNTEERS)
140	RECORDS WORKSTATIONS
141	FRONT DESK / RECEPTION
142	COPIER / OPEN RECORDS STORAGE
143	STORAGE ROOM
144	HALLWAY
145	COFFEE ALCOVE
146	CUSTOMER SERVICE SUPERVISOR
147	PUBLIC DISCLOSURE OFFICE
148	HALLWAY
149	PUBLIC RECORDS OFFICE
150	RESTROOM
151	TRANSCRIPTION OFFICE
152	SECURE RECORDS STORAGE

## NEW POLICE STATION CITY OF LACEY 222 COLLEGE STREET SE, LACEY, WA 98503 CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21

REVISIONS:  
A ADDENDUM 01 10/12/2023  
C ADDENDUM 03 10/26/2023

DATE:  
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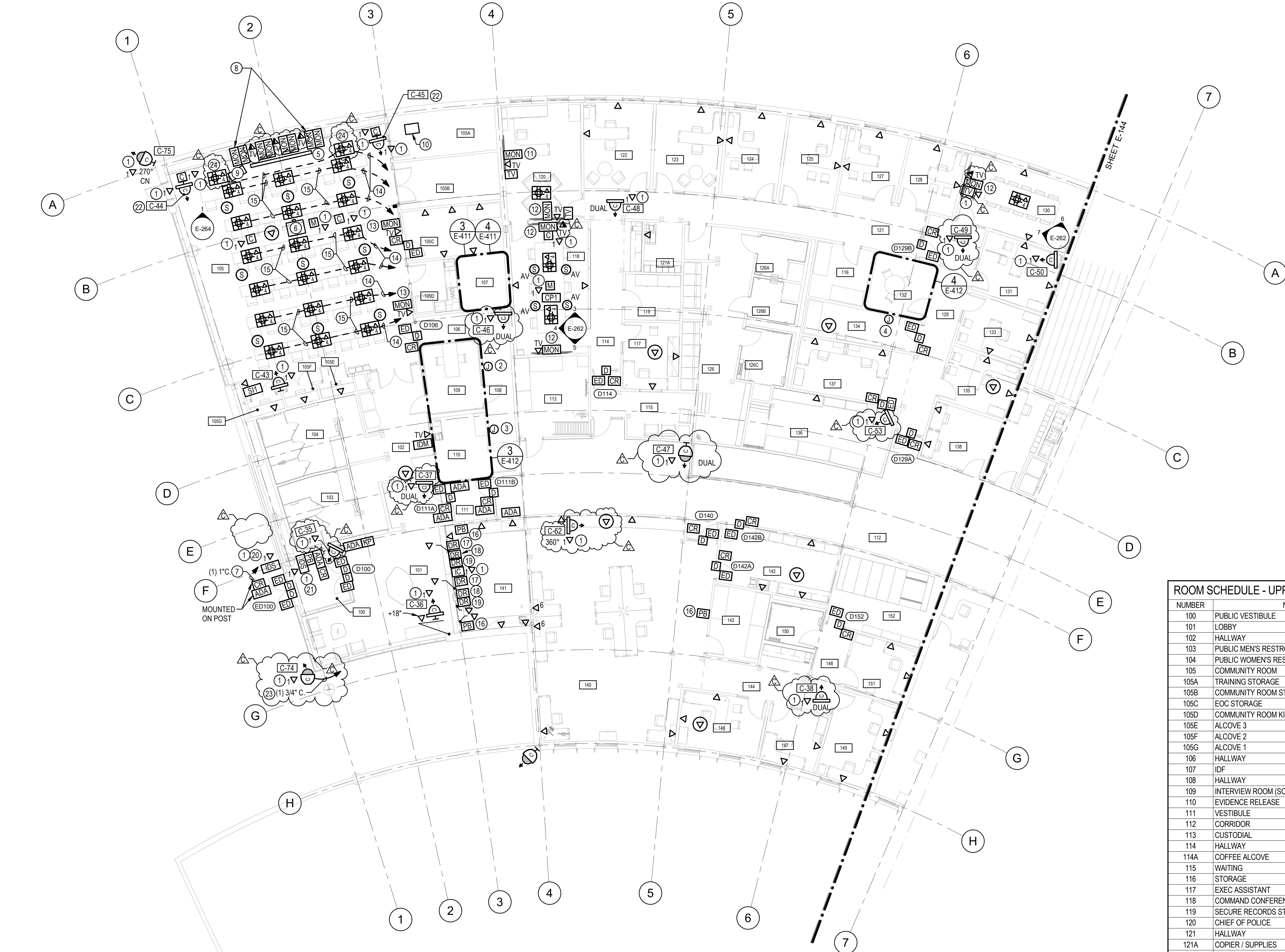
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SHEET NO.

E-143

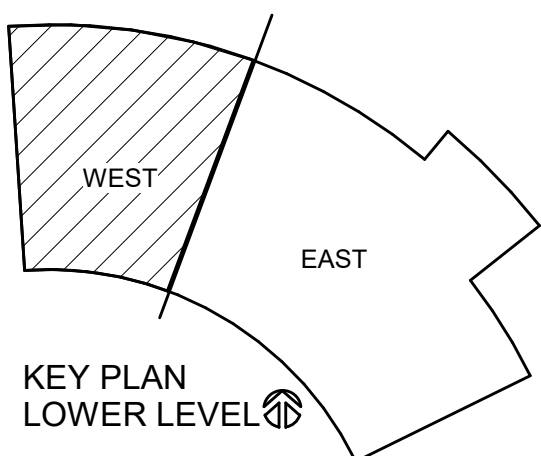
UPPER LEVEL - SYSTEMS  
PLAN - WEST

SHEET \_\_\_\_\_ OF \_\_\_\_\_



## UPPER LEVEL - SYSTEMS PLAN - WEST

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





CONSTRUCTION NOTES

- 1 PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA AND AV DEVICE LOCATION.
- 2 WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 3 WALL MOUNTED 86" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- 4 LOCATE INTERVIEW ROOM CONTROLS FOR POLYGRAPH 157.
- 5 LOCATE INTERVIEW ROOM CONTROLS FOR INTERVIEW 158.
- 6 LOCATE INTERVIEW ROOM CONTROLS FOR INTERVIEW 159.
- 7 43" MONITOR C.A.D. COMPUTER AIDED DISPATCH DISPLAY - CLEAR OF HEAD HEIGHT IN WALKWAY.

ROOM SCHEDULE - UPPER LEVEL EAST

NUMBER	NAME
112	CORRIDOR
139	LACEY RESOURCE OFFICERS (VOLUNTEERS)
154	BREAK ROOM
155	EXPLORERS ROOM (VOLUNTEERS)
156	VESTIBULE
157	POLYGRAPH
158	INTERVIEW ROOM
159	INTERVIEW ROOM
160	INVESTIGATIONS CIRCULATION
162	ADMIN ASSISTANT
163	PRIVATE OFFICE
164	PRIVATE OFFICE
165	PRIVATE OFFICE
166	PRIVATE OFFICE
167	INVESTIGATIONS WORKSTATIONS
168	INVESTIGATIONS CIRCULATION
169	KIDS' ROOM
170	WEAPONS STORAGE / DETECTIVE READY ROOM
171	DETECTIVE SERGEANT - CRIMES AGAINST PERSON
172	EQUIPMENT STORAGE
173	INVESTIGATIONS LT
174	WAR ROOM
175	COMMUNITY OUTREACH / SOCIAL MEDIA DA III
176	DESIGNATED CRIME RESPONDER (DCR)
177	CRIME ANALYST
178	CORRIDOR
178A	COPIER / SUPPLIES
178B	COFFEE ALCOVE
179	CRU SERGEANT
180	INVESTIGATIONS CONFERENCE ROOM
181	COMMUNITY RESOURCE WORKSTATIONS
182	VESTIBULE
183	MOBILE OUTREACH TEAM
184	CRIME VICTIMS ADVOCATE
185	EVENT STORAGE
186	MDF ROOM
186A	DAS
187	CORRIDOR
188	WOMEN'S RESTROOM
189	MEN'S RESTROOM
190	ELECTRICAL ROOM
191	BREAK ROOM PATIO

NEW POLICE STATION

CITY OF LACEY

222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

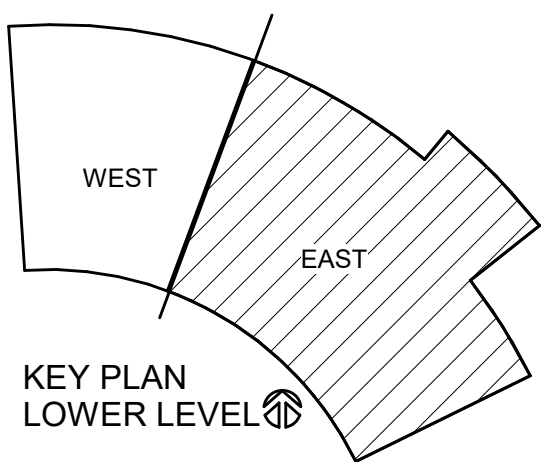
ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"

REVISIONS:  
A ADDENDUM 01 10/12/2023  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023

DATE:  
09.14.2023  
100% DESIGN

SHEET NO.  
E-144  
UPPER LEVEL - SYSTEMS  
PLAN - EAST

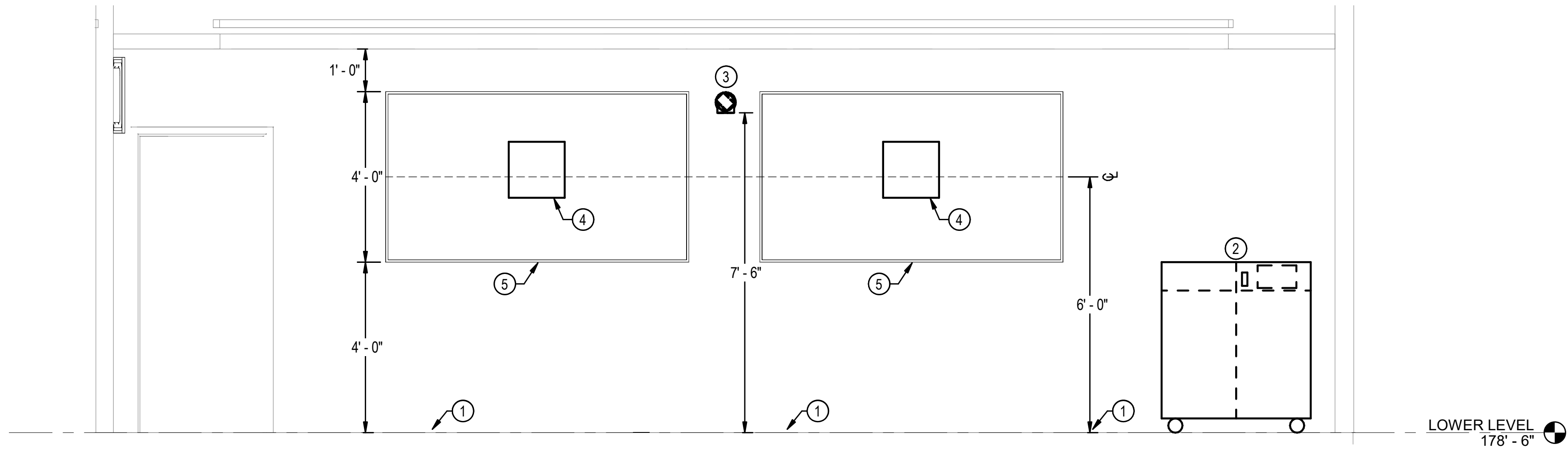
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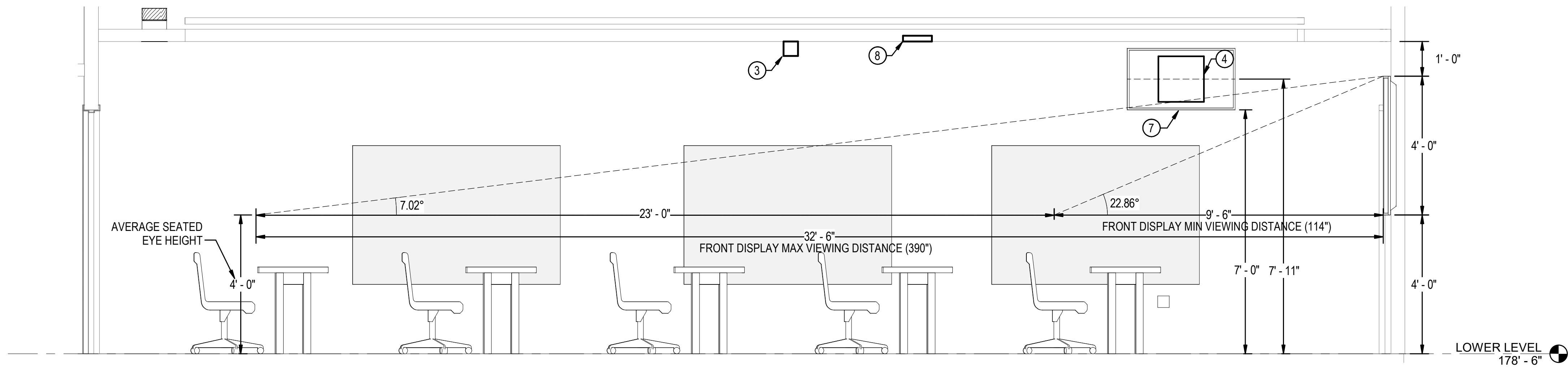
UPPER LEVEL - SYSTEMS PLAN - EAST

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

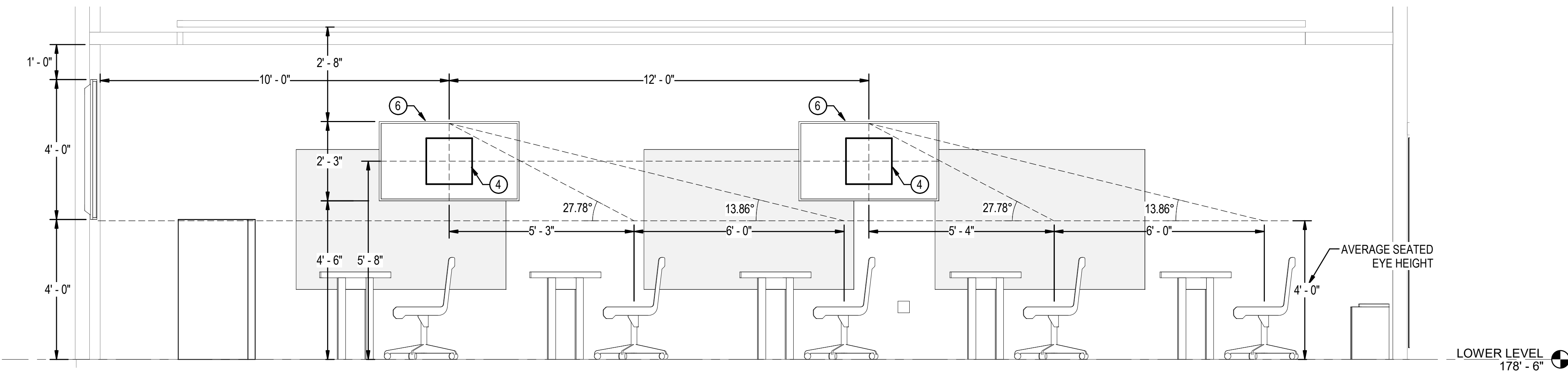




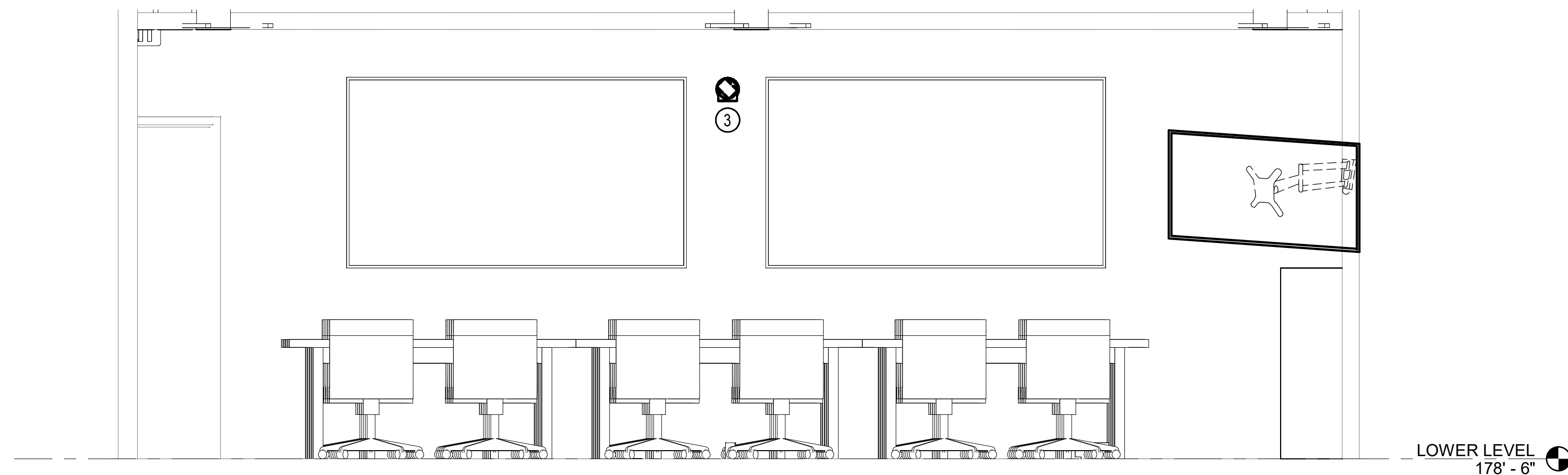
1 BRIEFING ROOM 003 NORTH WALL ELEVATION  
1/2" = 1'-0"



2 BRIEFING ROOM 003 WEST WALL ELEVATION  
1/2" = 1'-0"



3 BRIEFING ROOM 003 EAST WALL ELEVATION  
1/2" = 1'-0"

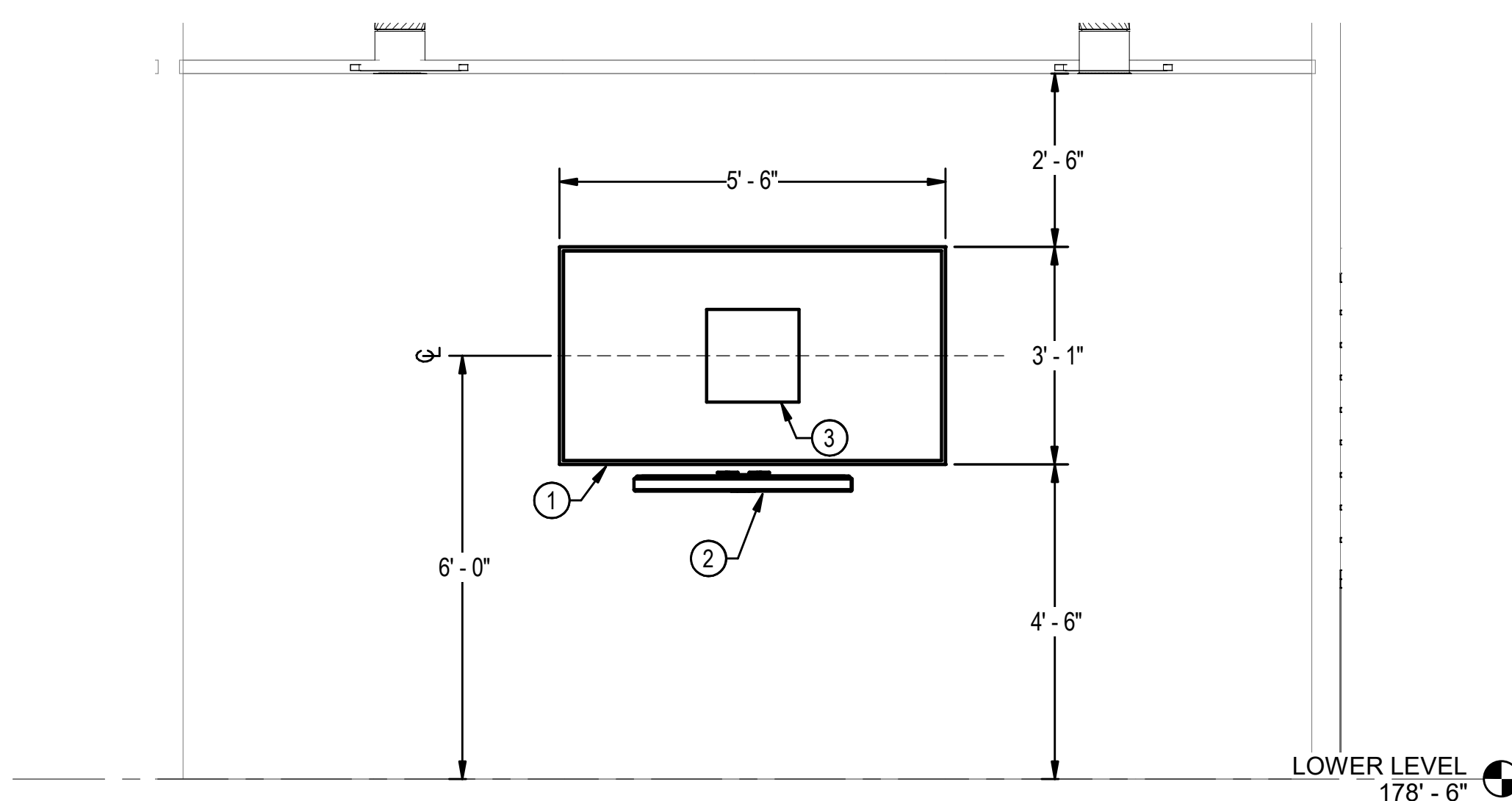


4 BRIEFING ROOM 003 NORTH WALL ELEVATION SHOWN FROM BACK OF ROOM  
1/2" = 1'-0"

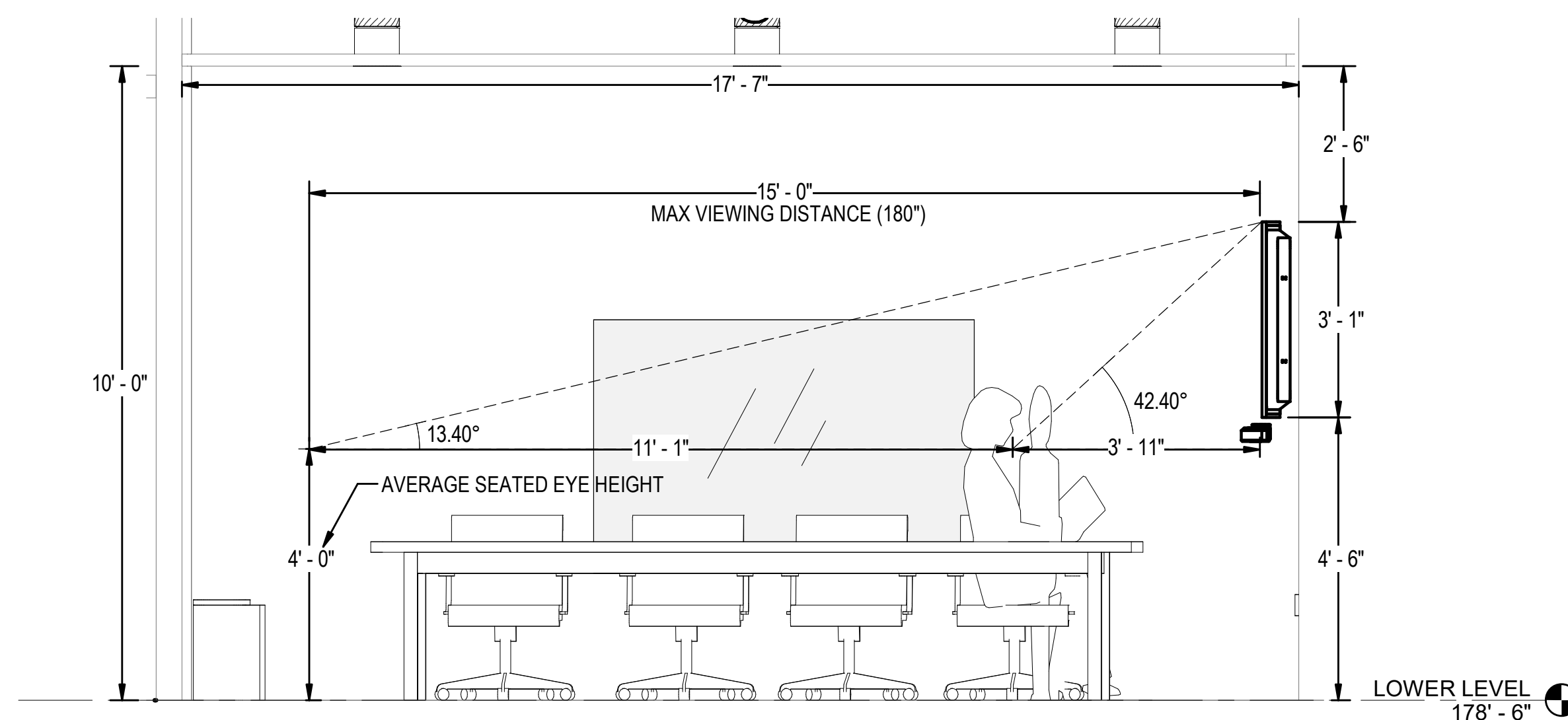
#### CONSTRUCTION NOTES

- POWER, BUILDING NETWORK, AND AV NETWORK OUTLETS IN FLOOR BOX FOR ROLLING PRESENTATION PODIUM.
- PRESENTER PODIUM WITH AV TOUCH SCREEN FOR ROOM CONTROLS, GUEST LAPTOP VIDEO CONNECTION (VIA OWNER PROVIDED DOCK), CONFERENCE PRESENTATION MONITOR, AND IN-ROOM PC. LEGITIMATE PODIUM PROVIDED BY AV CONTRACTOR.
- CFCI PTZ CONFERENCING CAMERA AND MOUNT.
- CFCI RECESSED MONITOR BACKBOX. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CFCI 98" MONITOR AND CFCI MONITOR MOUNT.
- CFCI 55" MONITOR AND CFCI MONITOR MOUNT.
- CFCI 43" MONITOR AND CFCI MONITOR MOUNT FOR COMPUTER AIDED DISPATCH.
- NETWORK (POE) CEILING MICROPHONE ARRAY FOR TELECONFERENCE.

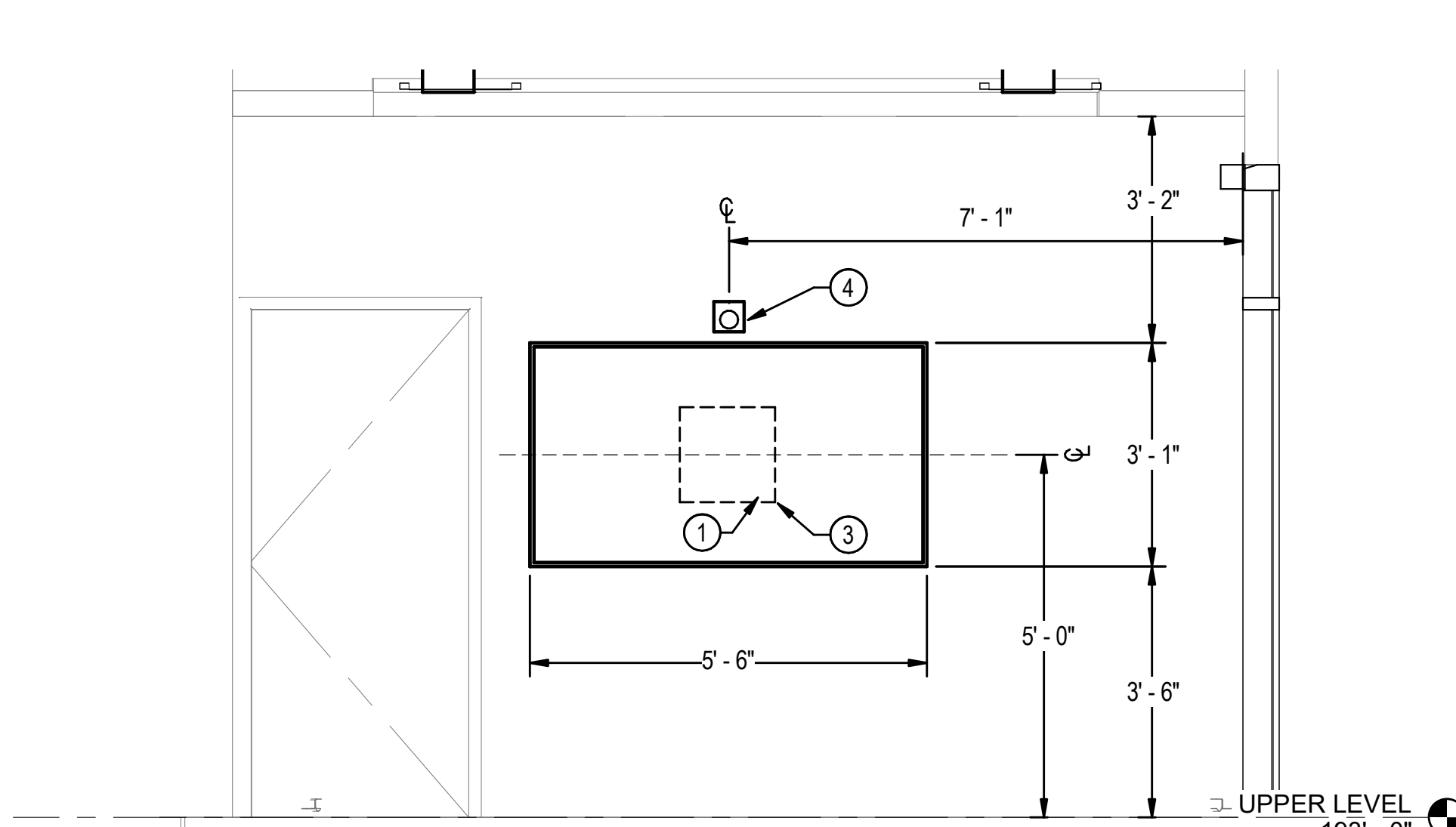




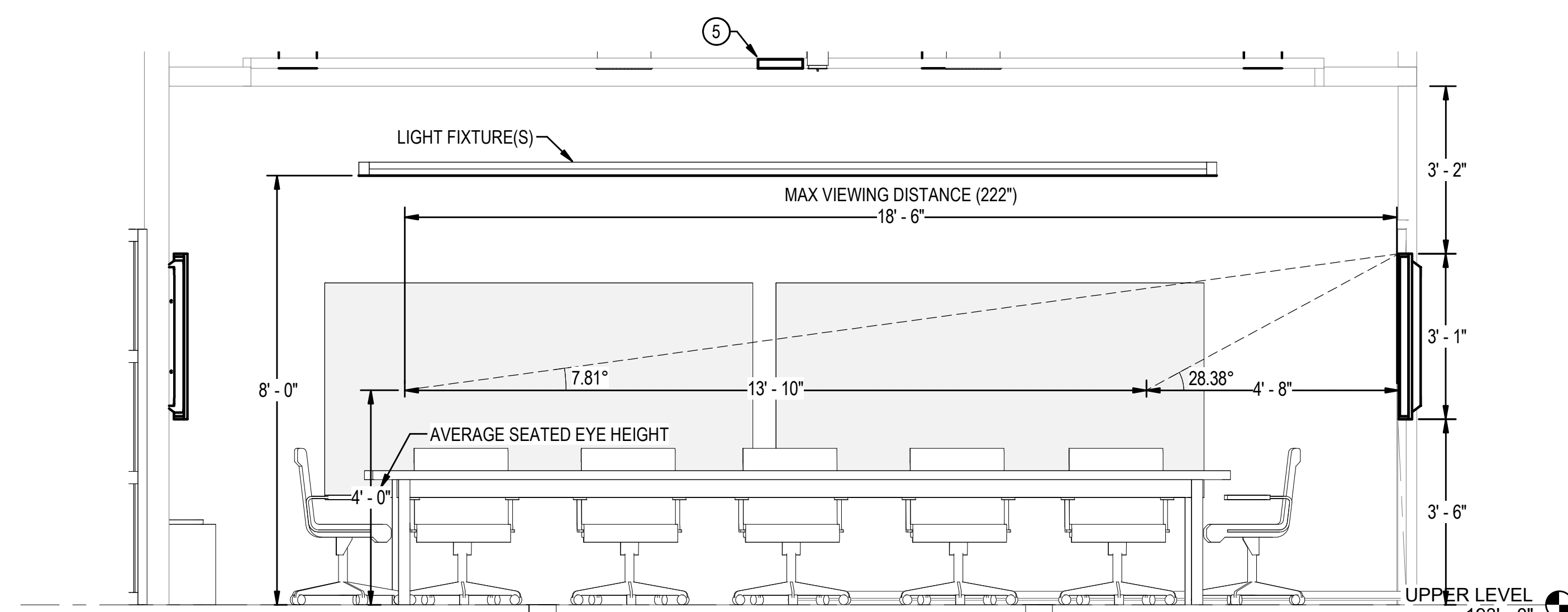
1 CONFERENCE ROOM 030 NORTH WALL ELEVATION  
1/2" = 1'-0"



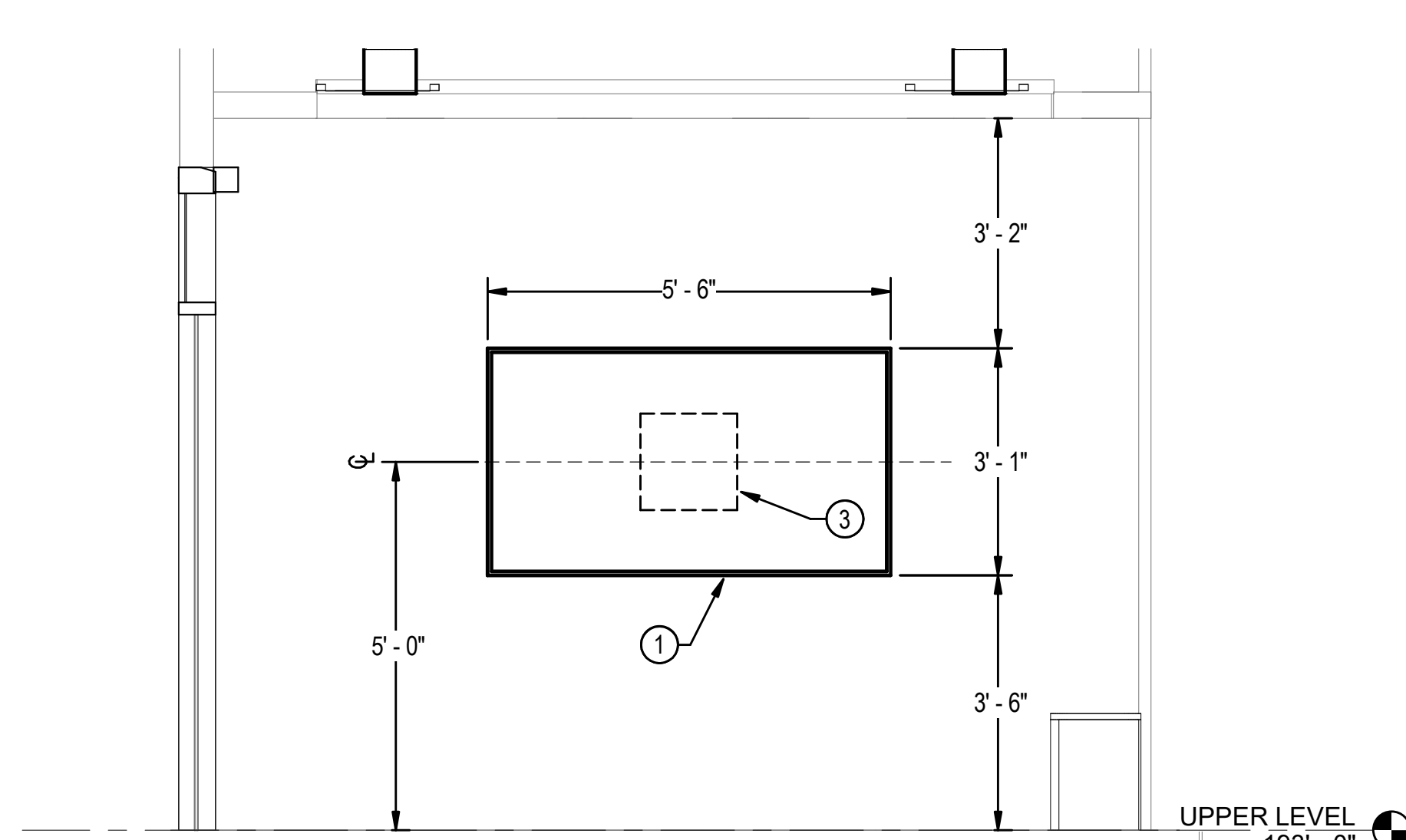
2 CONFERENCE ROOM 030 WEST WALL ELEVATION  
1/2" = 1'-0"



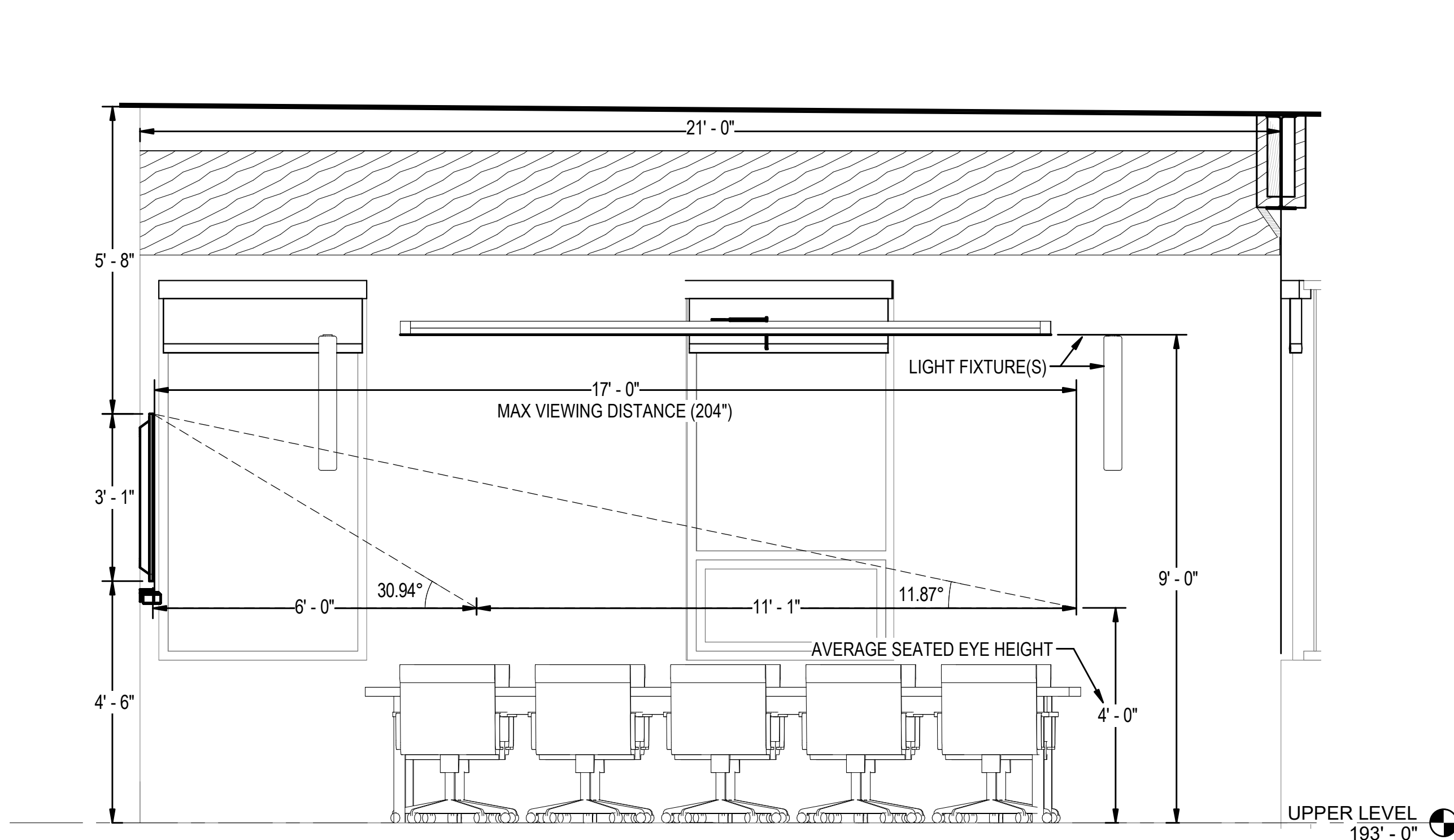
3 CONFERENCE ROOM 118 NORTH WALL ELEVATION  
1/2" = 1'-0"



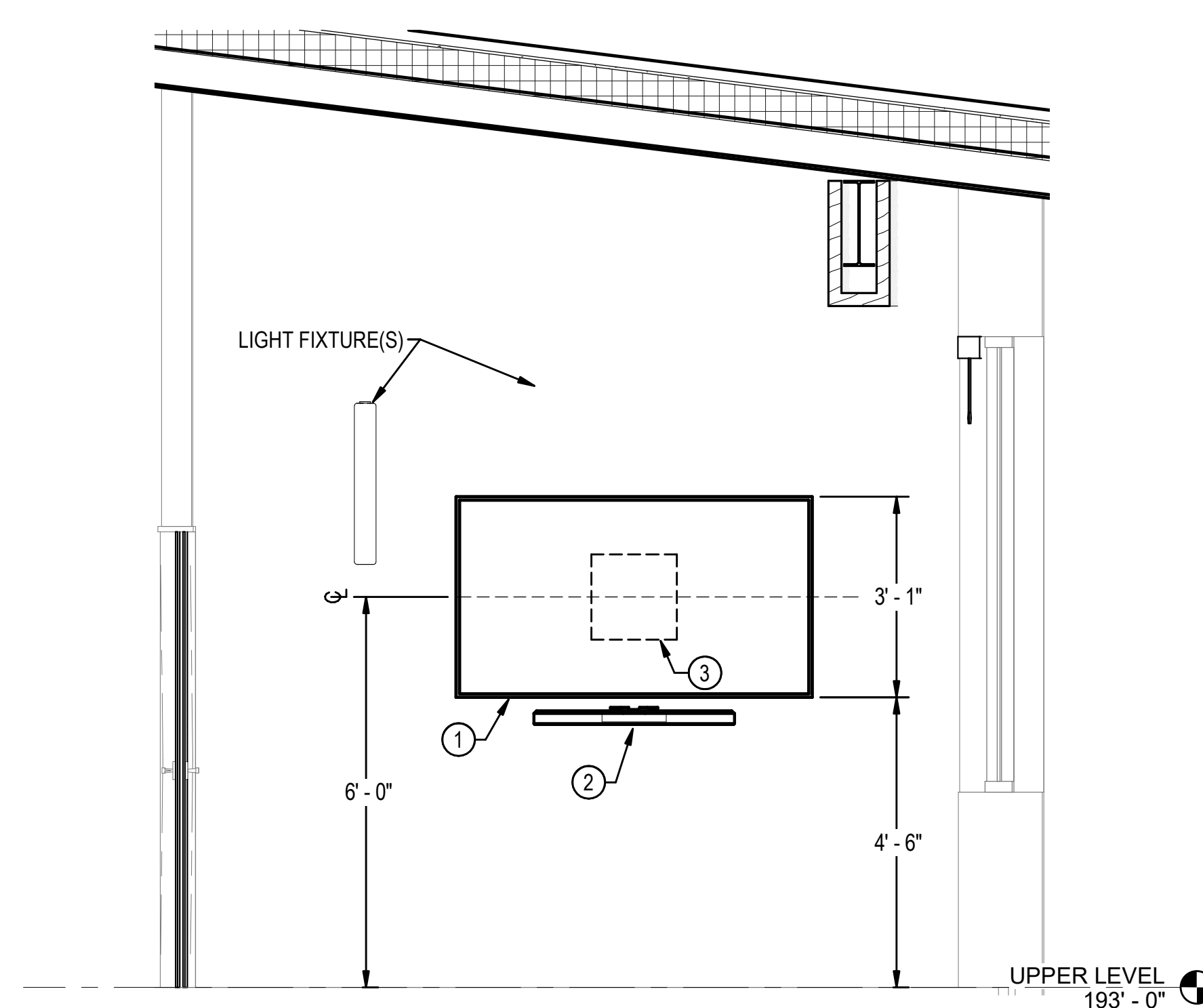
4 CONFERENCE ROOM 118 WEST WALL ELEVATION  
1/2" = 1'-0"



5 CONFERENCE ROOM 118 - SOUTH WALL ELEVATION  
1/2" = 1'-0"



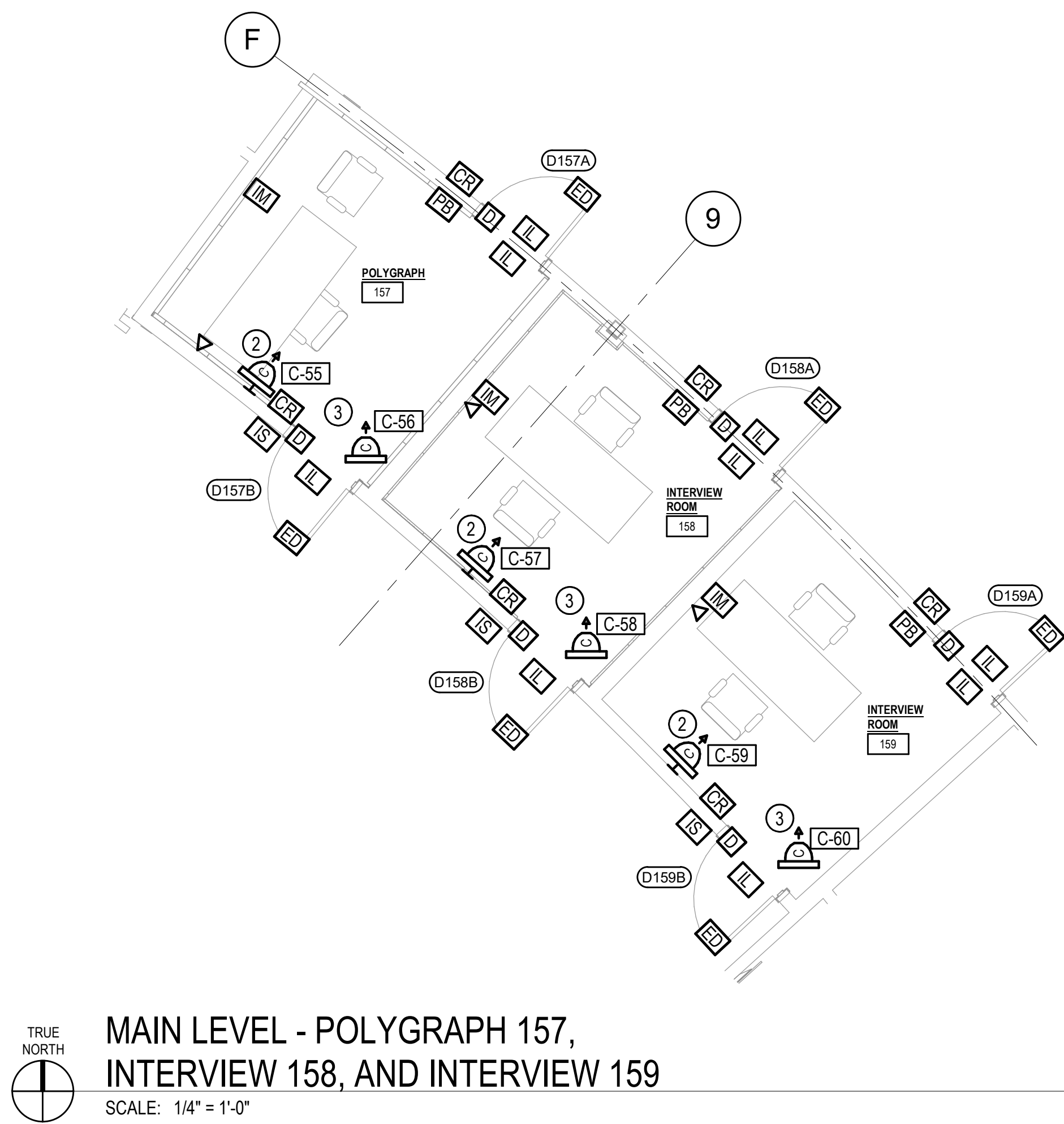
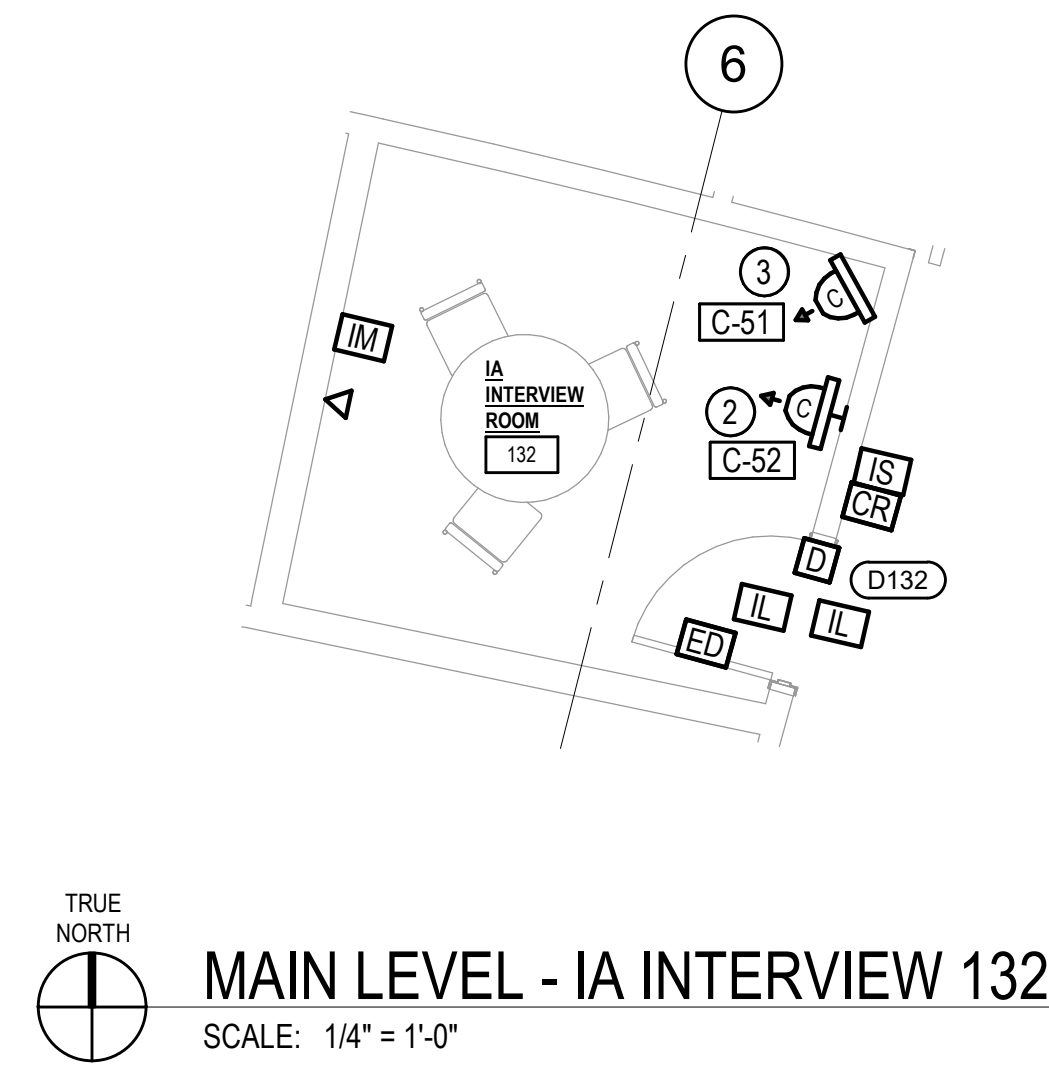
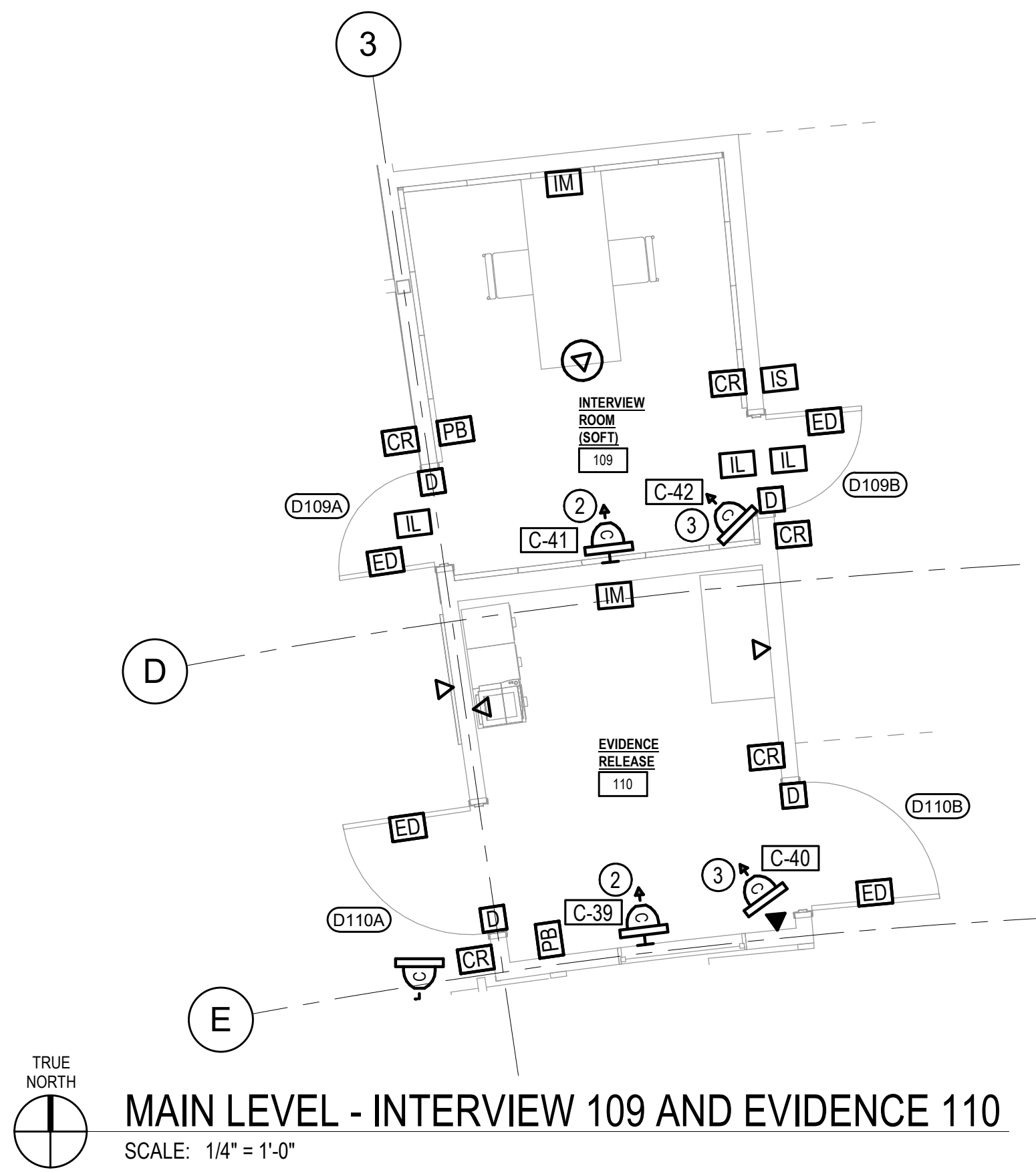
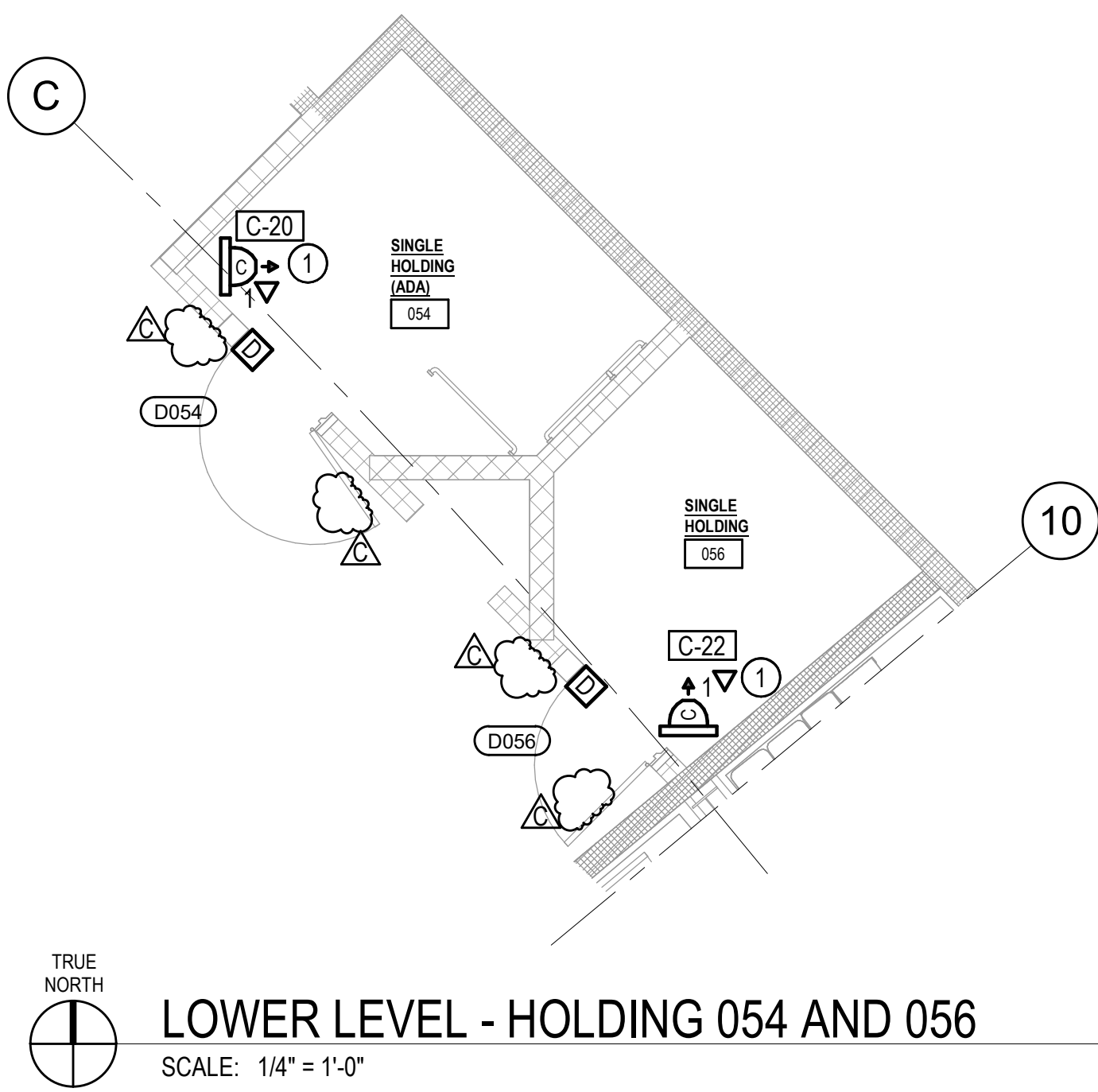
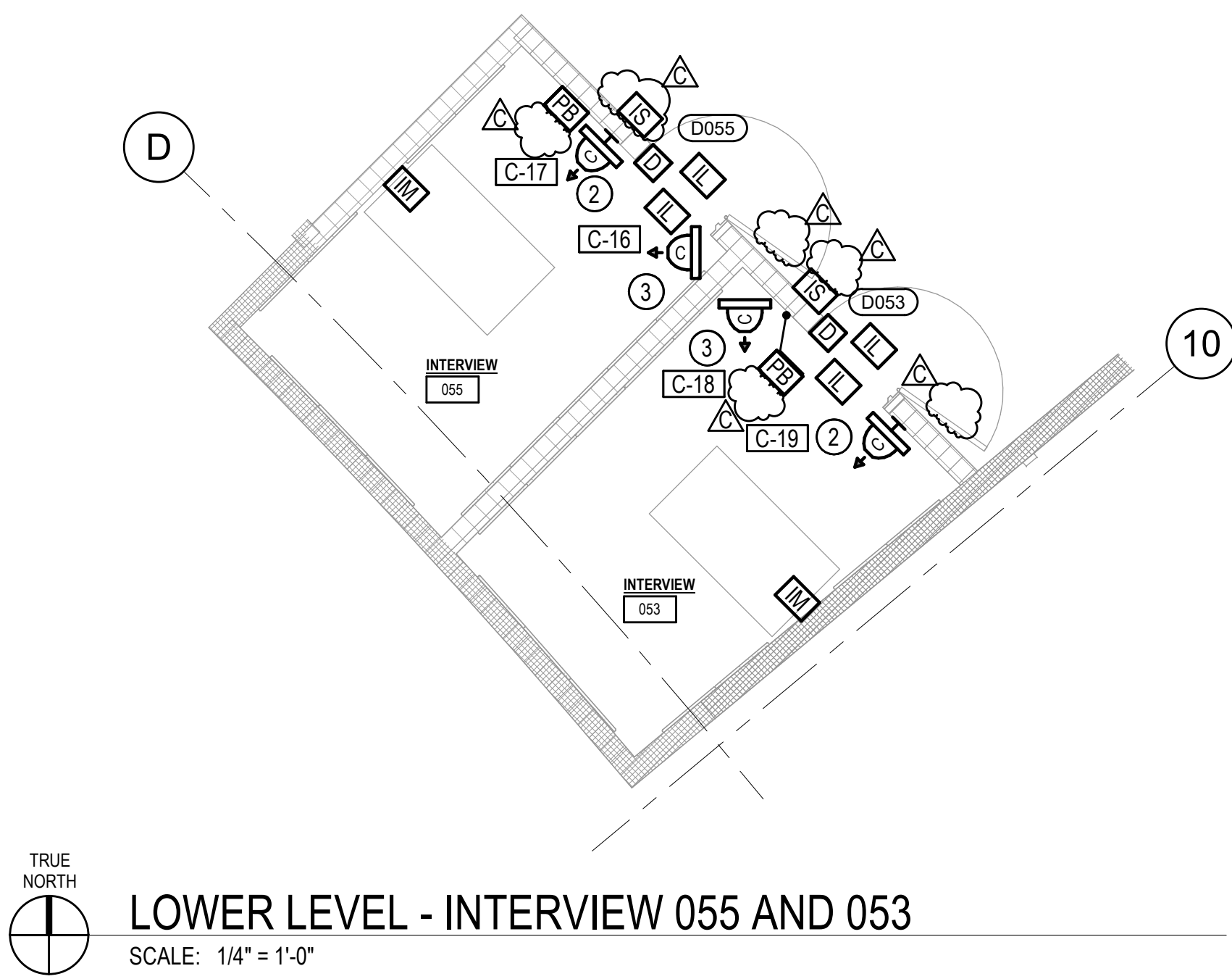
6 CONFERENCE ROOM 130 NORTH WALL ELEVATION  
1/2" = 1'-0"



7 CONFERENCE ROOM 130 WEST WALL ELEVATION  
1/2" = 1'-0"

- CONSTRUCTION NOTES**
- 1 OFCI 86" MONITOR AND OFCI MONITOR MOUNT.
  - 2 OFCI ALL-IN-ONE TELECONFERENCE SOUND BAR.
  - 3 OFCI RECESSED MONITOR BACKBOX. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - 4 OFCI PTZ CONFERENCING CAMERA AND MOUNT.
  - 5 NETWORK (POE) CEILING MICROPHONE ARRAY FOR TELECONFERENCE.





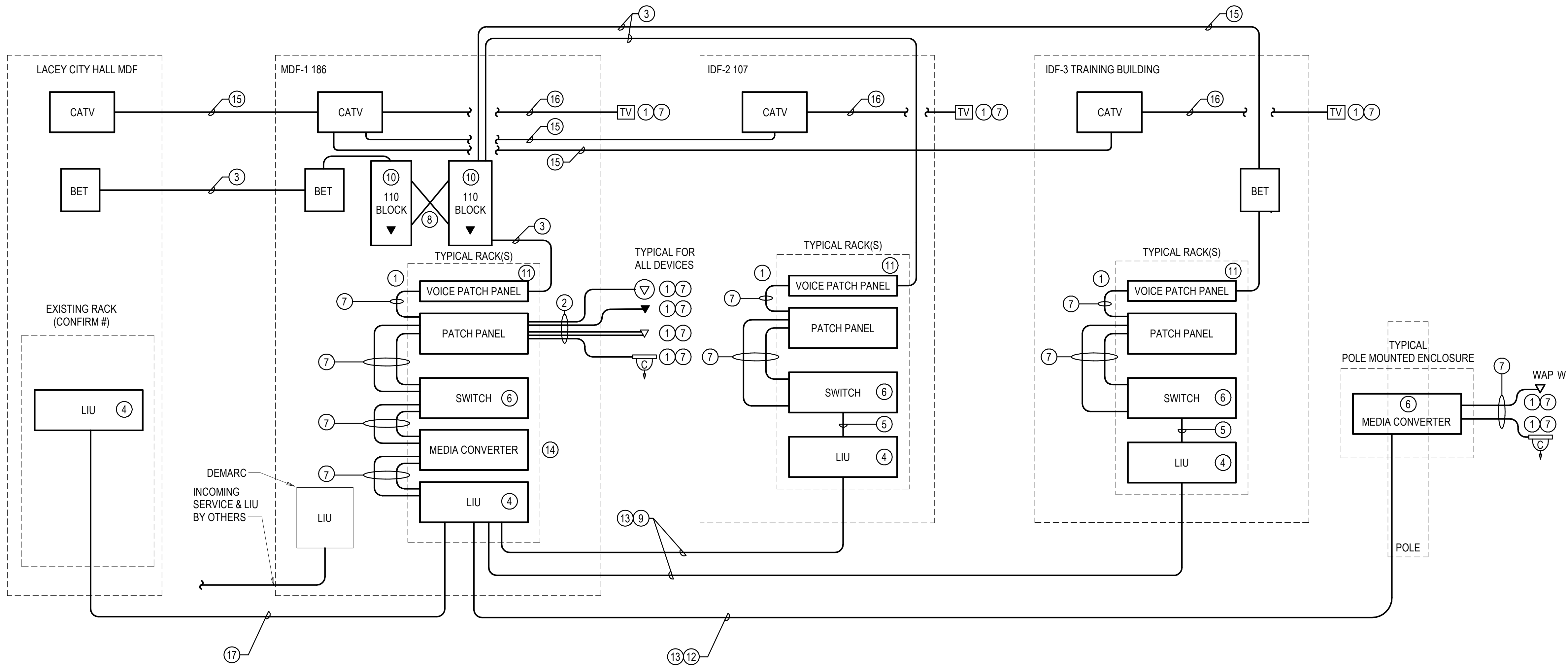
CONSTRUCTION NOTES

- 1 PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA LOCATION.
- 2 DISCRETE CAMERA LOCATED BEHIND BLANK PLATE WITH PINHOLE. ROUTE SPECIALTY CABLE TO INTERVIEW ROOM CONTROLS ENCLOSURE SHOWN ON PLANS AND PER SPECIFICATIONS.
- 3 CAMERA LOCATED ON CEILING. ROUTE SPECIALTY CABLE TO INTERVIEW ROOM CONTROLS ENCLOSURE SHOWN ON PLANS AND PER SPECIFICATIONS.



PLOT DATE: 10/05/2023 3:44:30 PM

1 TELECOMMUNICATIONS RISER DIAGRAM  
N.T.S



GENERAL NOTES

1. THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.
2. THE PATCH PANELS ARE ONLY SHOWN ONCE. IN ORDER TO SIMPLIFY THIS DIAGRAM, PROVIDE ALL CABLING AND EQUIPMENT AS SPECIFIED, AS REQUIRED BASED ON THE QUANTITIES OF DEVICES SHOWN ON THE FLOOR PLANS).
3. FOR THE SAKE OF ILLUSTRATION, ACTUAL LOCATION OF PATCH PANELS IN THE RACK IS DIAGRAMMATIC, AND NOT NECESSARILY WHERE THE DEVICES ARE TO BE MOUNTED.
4. CABLING AND EQUIPMENT PROVIDED BY THE "DATA AND VOICE INFRASTRUCTURE" INSTALLING VENDOR, UNLESS NOTED OTHERWISE.
5. RACKS, BALANCED TWISTED PAIR CABLING, PATCH PANELS, PUNCH DOWN BLOCKS, AND OTHER RELATED APPURTENANCES SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY THE TELECOMMUNICATIONS INSTALLING CONTRACTOR
6. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

CONSTRUCTION NOTES

1. SEE THE ELECTRICAL LEGEND, DETAIL SHEETS, AND FLOOR PLANS FOR TYPES AND QUANTITIES.
2. PROVIDE HORIZONTAL CABLE TYPES AND QUANTITIES AS SPECIFIED, AS SHOWN ON THE LEGEND, AND AS SHOWN ON OUTLET DETAILS.
3. PROVIDE (1) 25-PAIR CATSE COPPER BACKBONE CABLE FROM DEMARC 110 WALL FIELD TO EACH MDF/IDF 24-PORT ANALOG VOICE PATCH PANEL. TERMINATE ONE PAIR PER PORT WITH ONE SPARE PAIR REMAINING. PROVIDE WET-RATED OSP CABLE AND CONNECT TO BUILDING ENTRANCE TERMINAL ON BOTH ENDS FOR BACKBONE CABLE.
4. PROVIDE LIGHT INTERFACE UNIT(S) (AKA FIBER OPTIC PATCH PANELS), AS SPECIFIED.
5. PROVIDE FIBER OPTIC PATCH CORDS, AS SPECIFIED.
6. PROVIDE HARDENED MEDIA CONVERTER AND POWER SUPPLY CONNECTED TO AC OUTLET IN ENCLOSURE.
7. PROVIDE PATCH CORDS AS SPECIFIED.
8. CROSS-CONNECTS BY TELECOMMUNICATIONS INSTALLING CONTRACTOR
9. PROVIDE (1) 24-STRAND SINGLE MODE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE FROM THE MDF TO EACH IDF IN THE BUILDING AS SHOWN ON THE RISER DIAGRAM. TERMINATE BOTH ENDS TO LIU WITH LC STYLE CONNECTORS.
10. PROVIDE 110 BLOCK FOR ANALOG VOICE BACKBONE CABLING. TERMINATE WITH C5 CLIPS.
11. PROVIDE 25 PORT CATSE VOICE PATCH PANEL.
12. PROVIDE (1) 2 STRAND SINGLE MODE OS2 OUTSIDE PLANT / O.S.P. FIBER OPTIC CABLE FROM THE MDF TO EACH POLE MOUNTED ENCLOSURE SHOWN ON THE SITE PLANS. TERMINATE MDF END WITH LC AND CONNECT TO LIU. TERMINATE POLE END WITH LC DUPLEX CONNECTORS.
13. PROVIDE A 15FT SERVICE LOOP IN EACH HAND HOLE, VAULT AND TELECOMMUNICATIONS ROOM.
14. PROVIDE MEDIA CONVERTERS AND CARD CARD FOR EXTENDING NETWORK TO POLE ENCLOSURES.
15. PROVIDE RG11 BACKBONE CABLE. PROVIDE WET-RATED OSP FOR UNDERGROUND RUNS AND SURGE ARRESTERS.
16. PROVIDE RG-6 HORIZONTAL TO CATV FIELD OUTLETS. LEAVE COILED AT MDF/IDF WITH SERVICE LOOP.
17. PROVIDE 96-STRAND SINGLE-MODE OS2 OUTSIDE PLANT (OSP) CABLE BETWEEN EXISTING LACEY CITY HALL AND NEW LACEY POLICE STATION IN NEW LIUS. TERMINATE 12 STRANDS WITH LC DUPLEX CONNECTIONS.

KMB  
architects

906 Columbia Street SW, Suite 400  
Olympia, Washington 98501  
811 First Avenue, Suite 220  
Seattle, Washington 98104  
www.KMB-architects.com  
360.352.8883

KMB Project No. 22022

BCE  
engineers, inc.

6021 12th Street East, Suite 200  
Fife, Washington 98424  
T: 253.922.0446  
F: 253.922.0996

BCE Project No. 222-055

NEW POLICE STATION  
CITY OF LACEY  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21

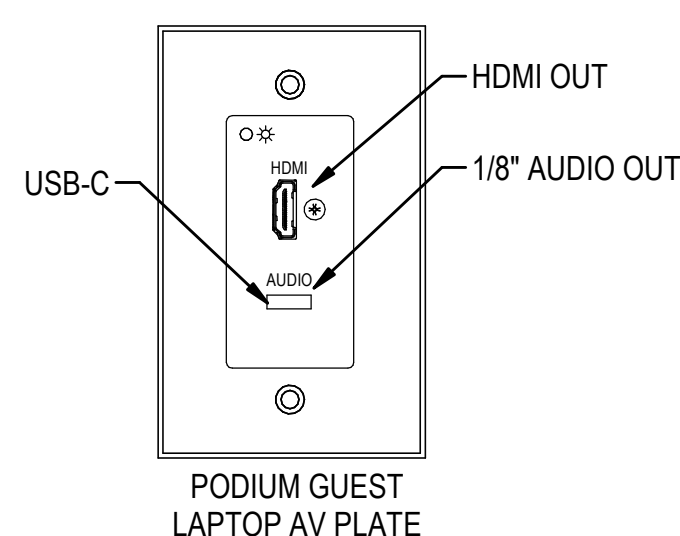
REVISIONS:

DATE:  
09.14.2023  
100% DESIGN

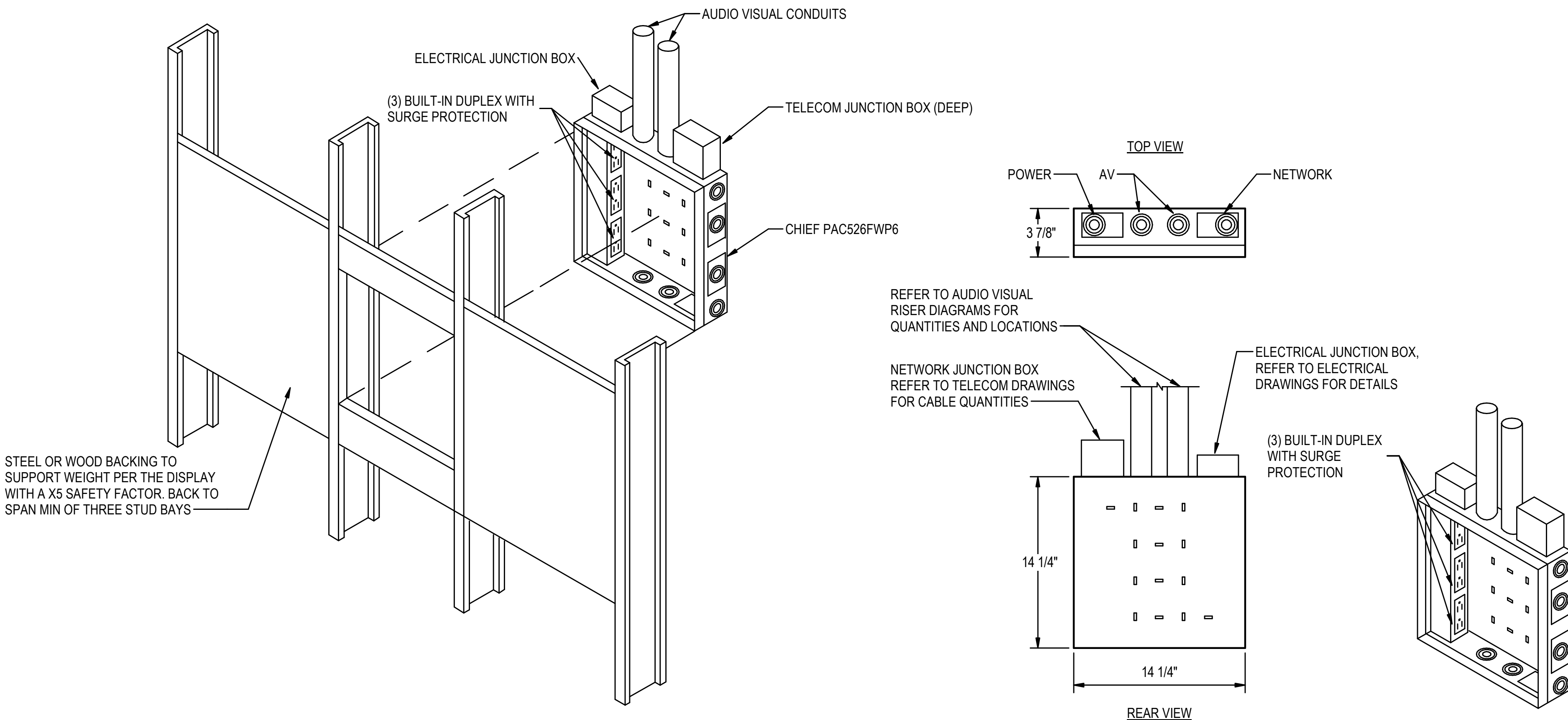
SHEET NO.  
E-523  
TELECOM RISER DIAGRAM

SHEET \_\_\_\_\_ OF \_\_\_\_\_

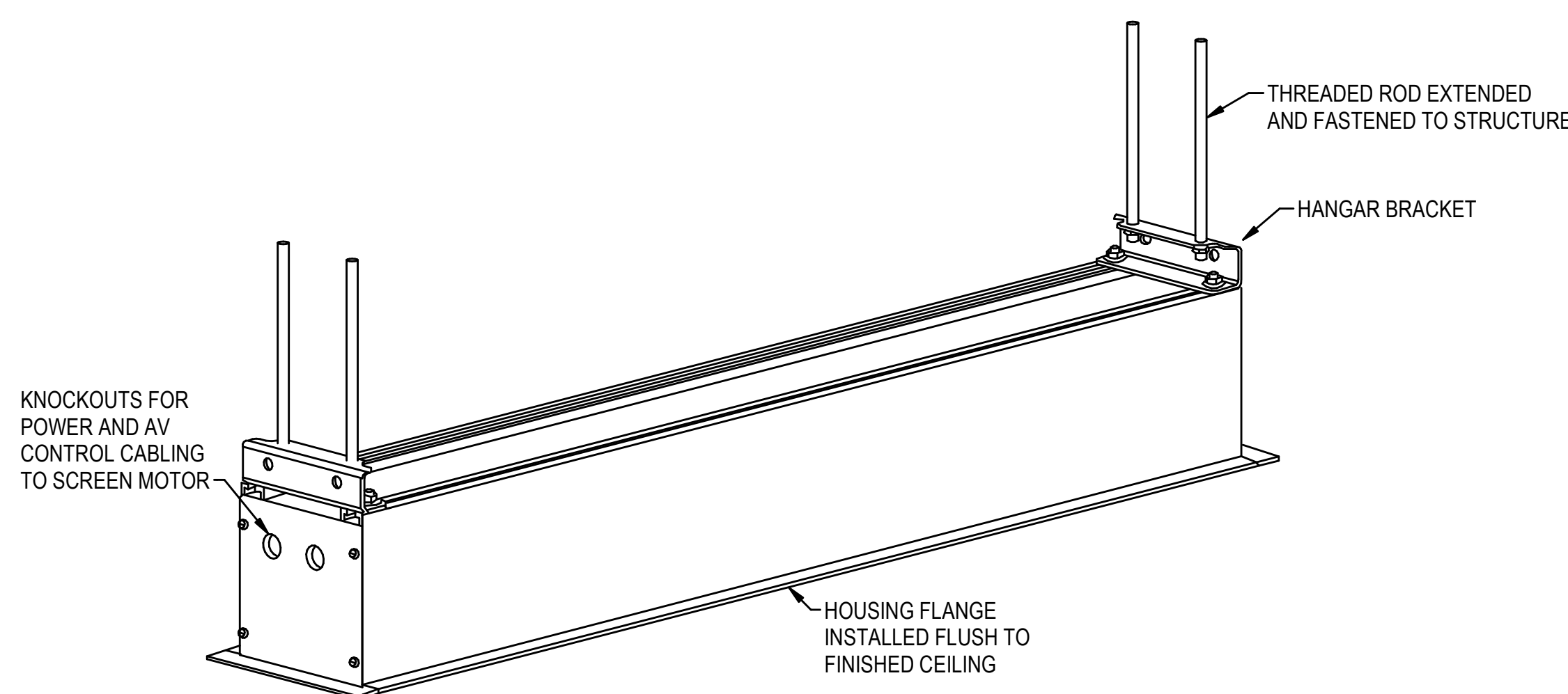




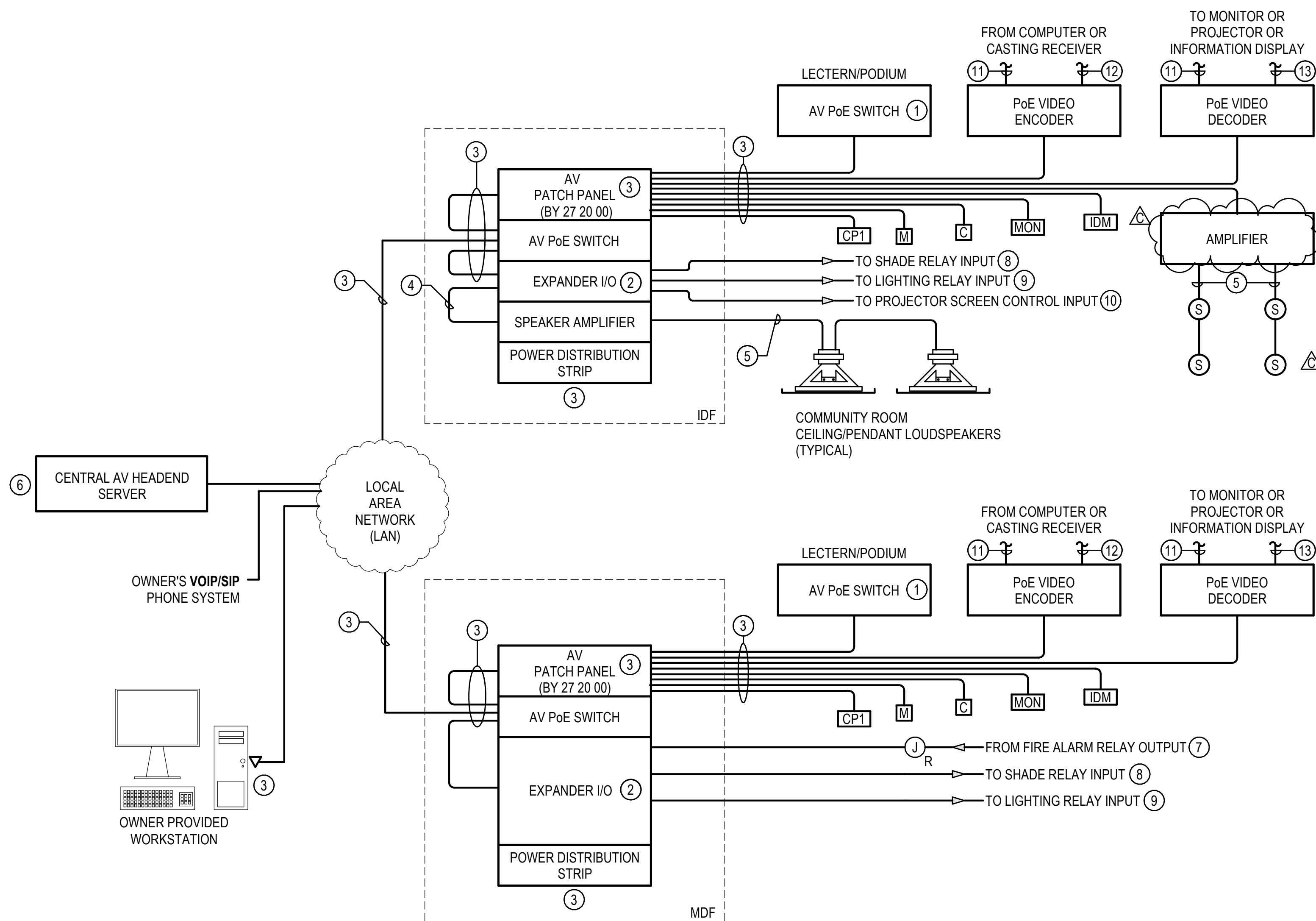
AV SYSTEM(S)  
1 DEVICES PLATE DETAILS  
N.T.S



2 TYPICAL MOUNTING DETAIL - RECESSED BACK BOX BEHIND MONITOR  
N.T.S



3 PROJECTION SCREEN HOUSING DETAIL  
N.T.S



4 AV INFRASTRUCTURE RISER DIAGRAM  
N.T.S

#### IP INTERCOM RISER DIAGRAM GENERAL NOTES

1. ALL AV AND RELATED EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE AV CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

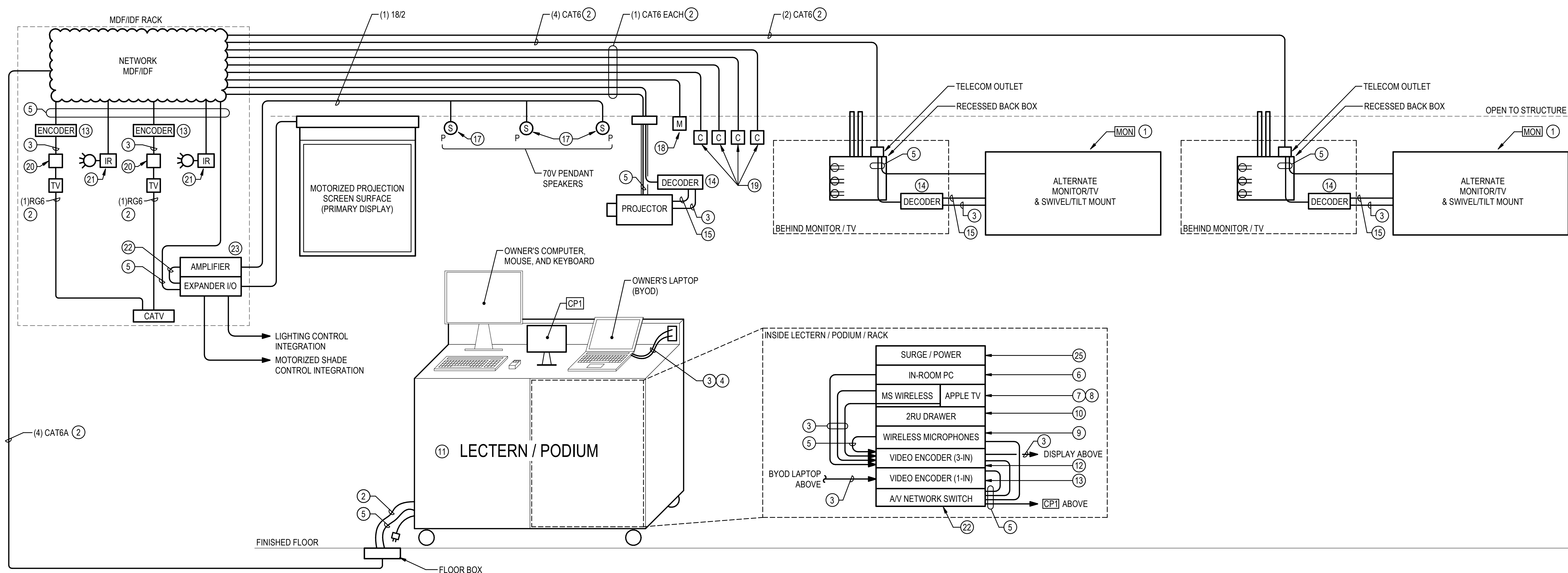
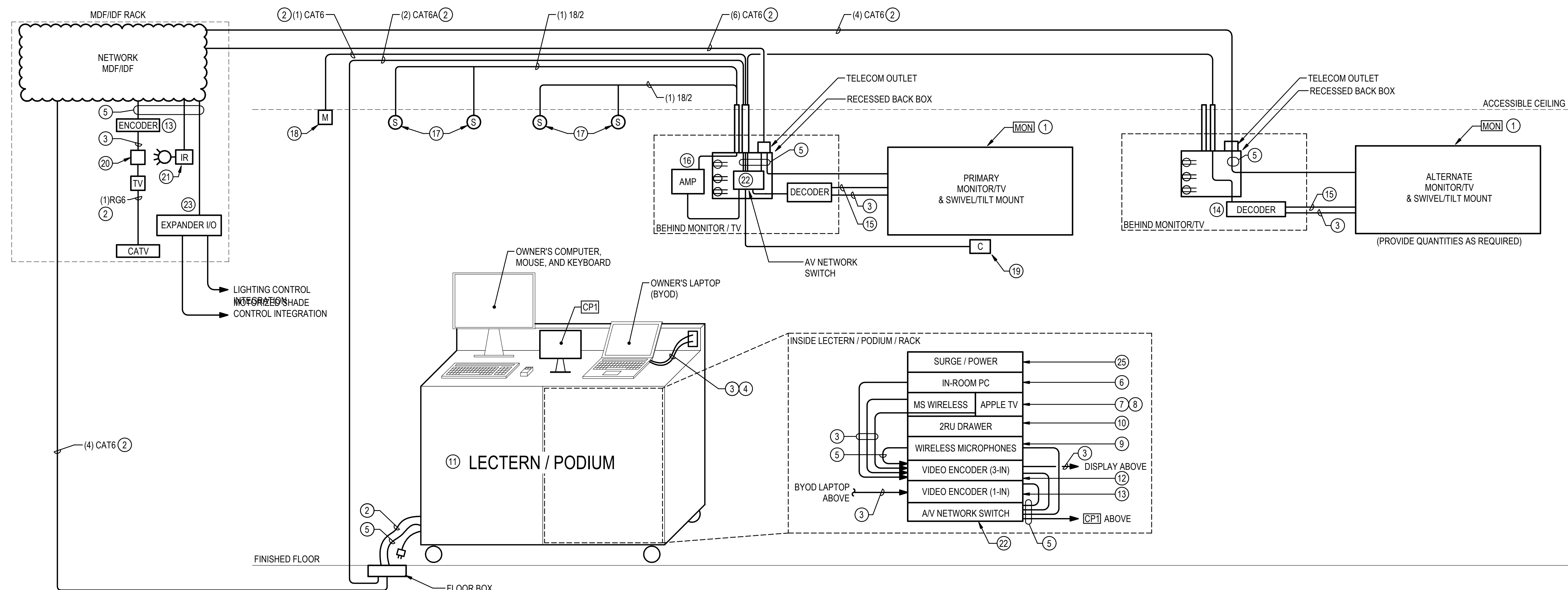
#### IP INTERCOM RISER DIAGRAM CONSTRUCTION NOTES

1. CONNECT LECTERN/PODIUM TO FLOOR BOX DATA AND POWER FOR INTERNAL AV SWITCH, AV EQUIPMENT IN RACK, AND POWER CONDITIONER.
2. EXPANDER / CONTROLLER, FOR INPUT / OUTPUT RELAYS AND INTEGRATION WITH OTHER SYSTEMS. PROVIDE MODEL AND QUANTITY AS REQUIRED.
3. SECTION 27 20 00 SHALL PROVIDE AND INSTALL ALL: DATA CABLING, PATCH PANELS, RACKS AND CAT 6/6A CABLES AS REQUIRED. TERMINATE AND TEST AS REQUIRED, UNLESS OTHERWISE NOTED. SECTION 27 20 00 SHALL PROVIDE RACKS AND POWER DISTRIBUTION UNITS (PDU) FED BY UPS-BACKED OUTLETS.
4. BALANCED LINE-LEVEL AUDIO
5. SPEAKER LEVEL AUDIO
6. PROGRAM CENTRAL AV HEADEND PROCESSOR AND CONTROLS FOR EACH ROOM WITH IP BASED AUDIO VISUAL DEVICES IN SEGREGATED DESIGNS ON THE SAME SERVER.
7. FIRE ALARM RELAY OUTPUT TO AV SERVER. WHEN THE FIRE ALARM SYSTEM IS IN GENERAL ALARM, THE SOUND SYSTEM(S) SHALL BE MUTED BUT MAY DISPLAY VISUAL FIRE ALARM ALERTS. WHEN THE FACP IS RESET, THE SOUND SYSTEM(S) MAY RETURN TO THEIR PREVIOUS OPERATIONAL STATUS. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) ADDRESSABLE CONTROL MODULE AT SERVER RACK LOCATION SHOWN ON THE DRAWINGS INCLUDING THE MDF AS SHOWN ON FA SHEETS. PROGRAM THE FACP AND RELATED EQUIPMENT AS REQUIRED. SEE SECTION SPECIFICATIONS FOR INTEGRATION REQUIREMENTS.
8. COORDINATE EXACT SHADE CONTROL LOCATION(S) WITH ELECTRICAL CONTRACTOR AND PROVIDE CABLING AS REQUIRED FOR TRIGGERING UP/DOWN PRESETS VIA PRESENTATION MODE SELECTION.
9. COORDINATE EXACT LIGHTING CONTROL LOCATION(S) WITH ELECTRICAL CONTRACTOR AND PROVIDE CABLING AS REQUIRED FOR TRIGGERING BASIC PRESETS VIA PRESENTATION MODE SELECTION.
10. PROVIDE CONTROL (RS-232) TO PROJECTOR SCREEN CONTROL MODULE FOR TRIGGERING PRESETS VIA PRESENTATION MODE SELECTION.
11. HDMI 2.1
12. USB 3.0 OR USB C
13. RS-232/SERIAL

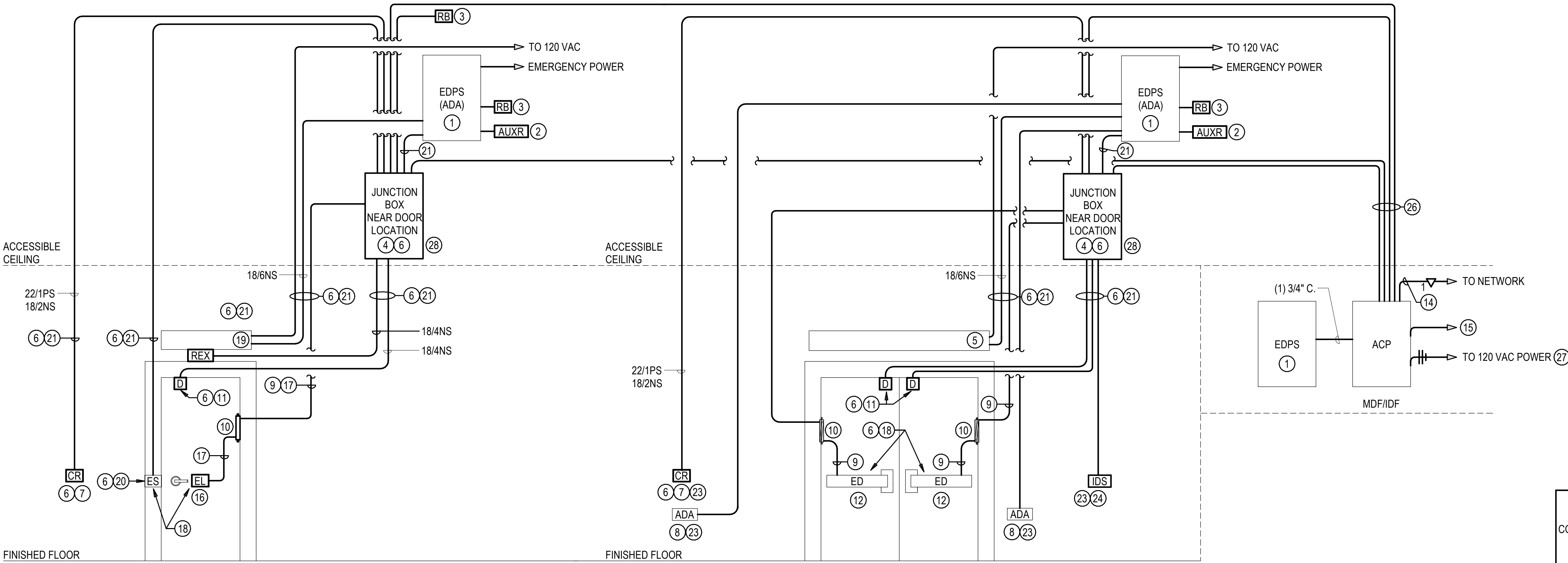






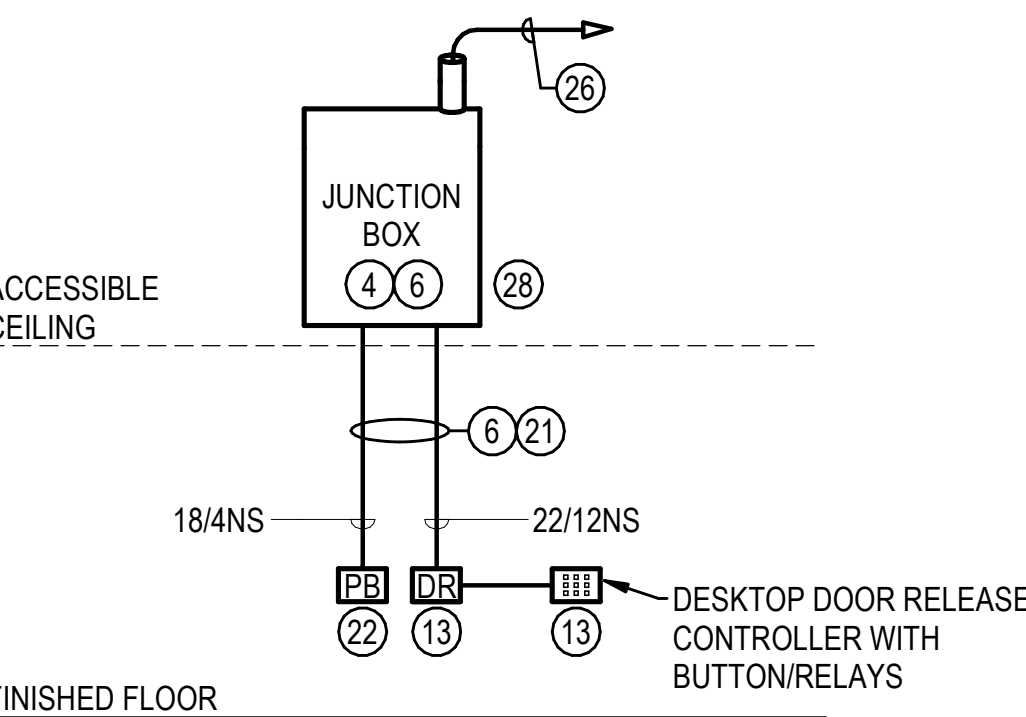




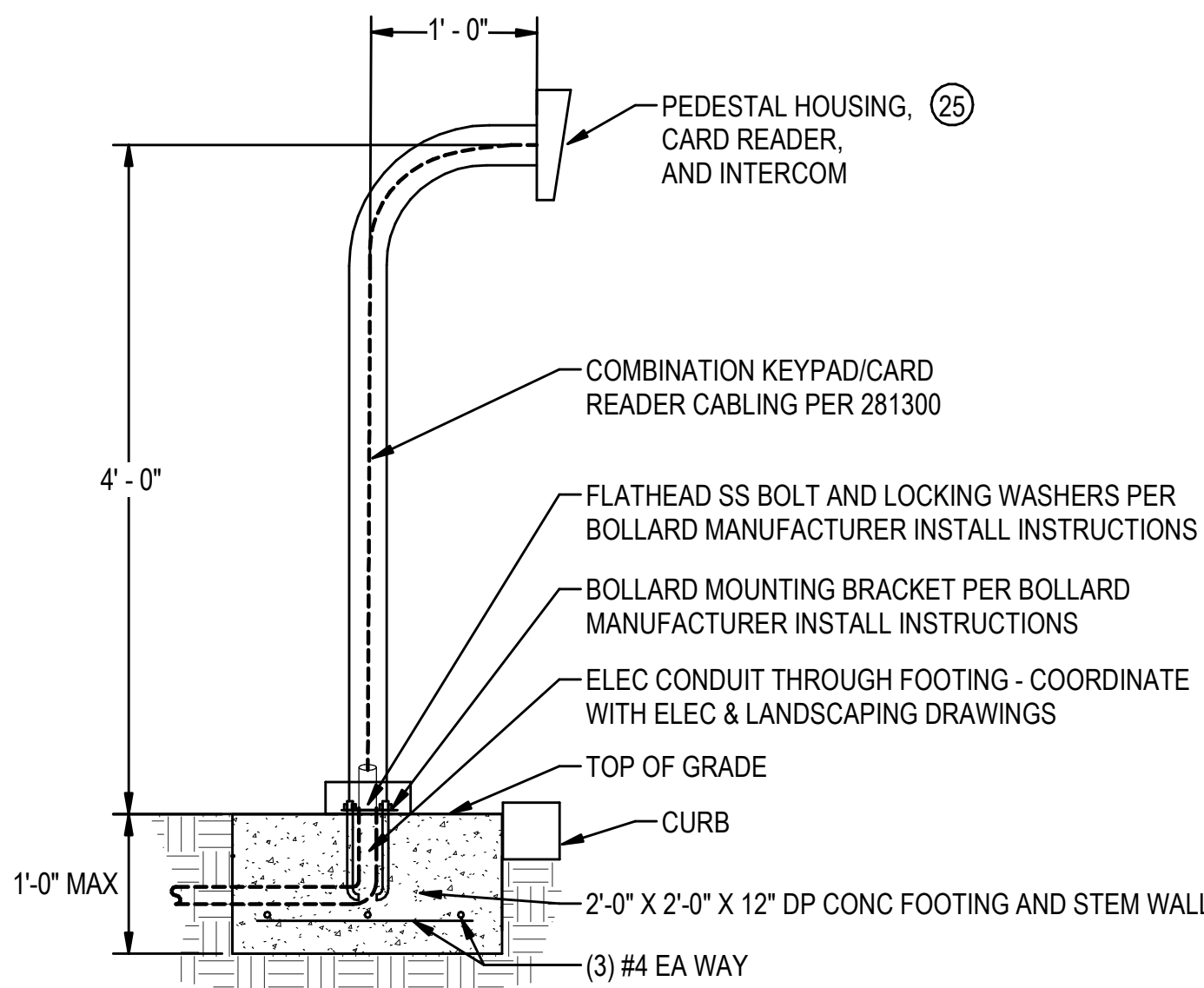


ACCESS CONTROL SYSTEM  
DOOR HARDWARE DIAGRAM  
TYPICAL FOR ELECTRIC STRIKES  
OR ELECTRIC LOCKS

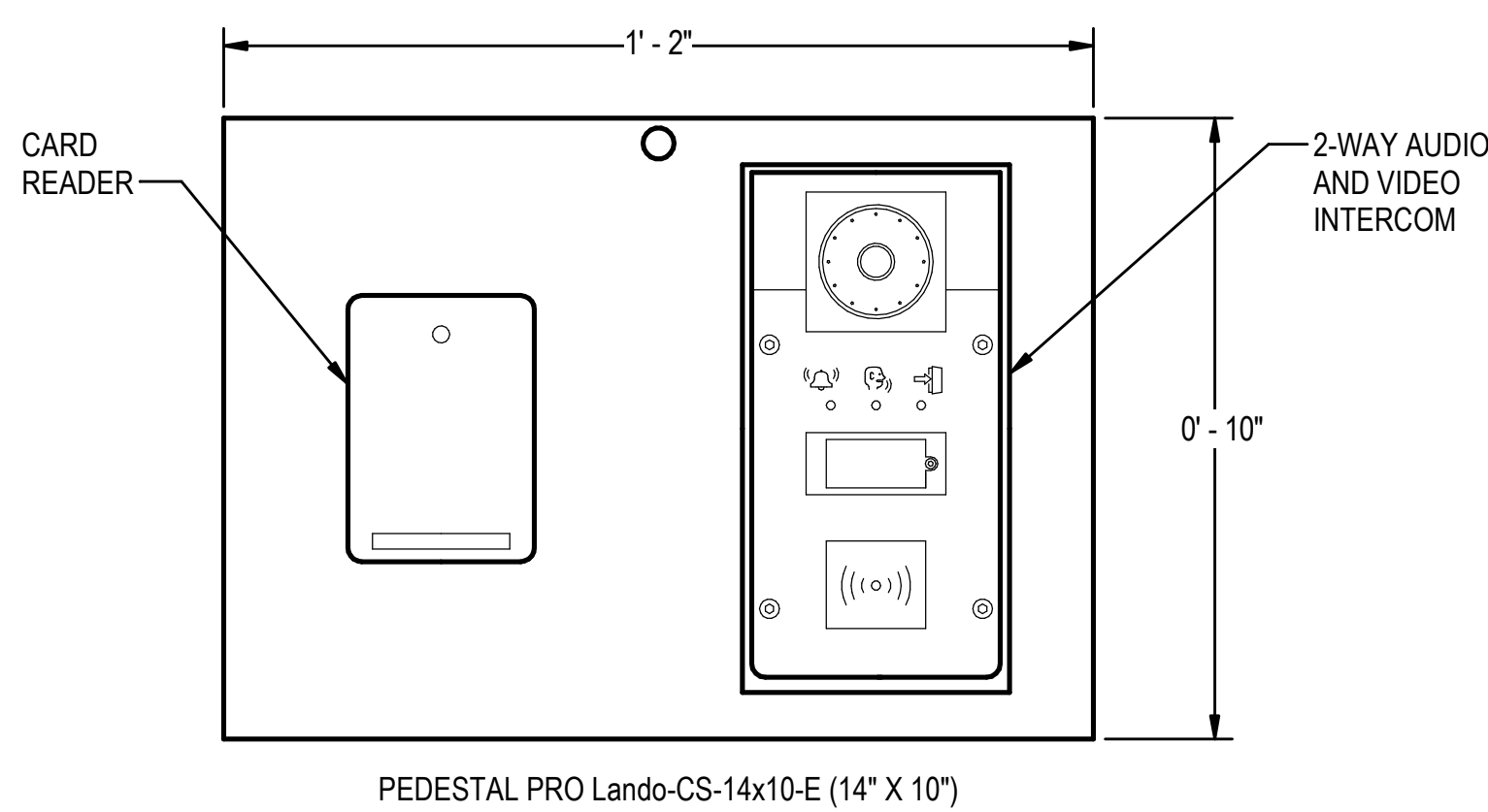
ACCESS CONTROL SYSTEM  
DOOR HARDWARE DIAGRAM  
TYPICAL FOR ELECTRIFIED  
EXIT DEVICES



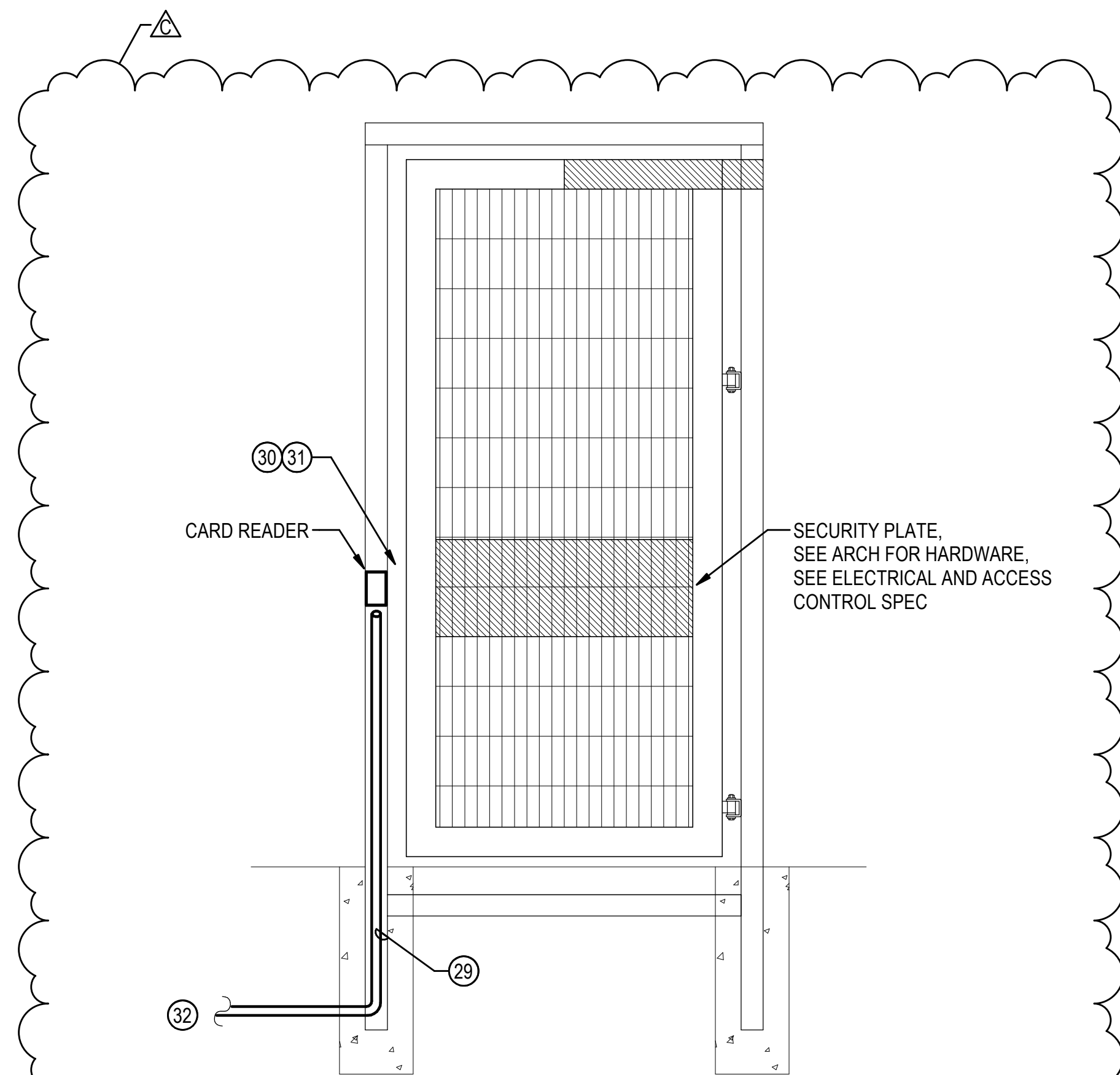
ACCESS CONTROL SYSTEM  
PANIC BUTTON DIAGRAM



GATE PEDESTAL BASE DETAIL



GATE PEDESTAL HOUSING MOUNTING DETAIL



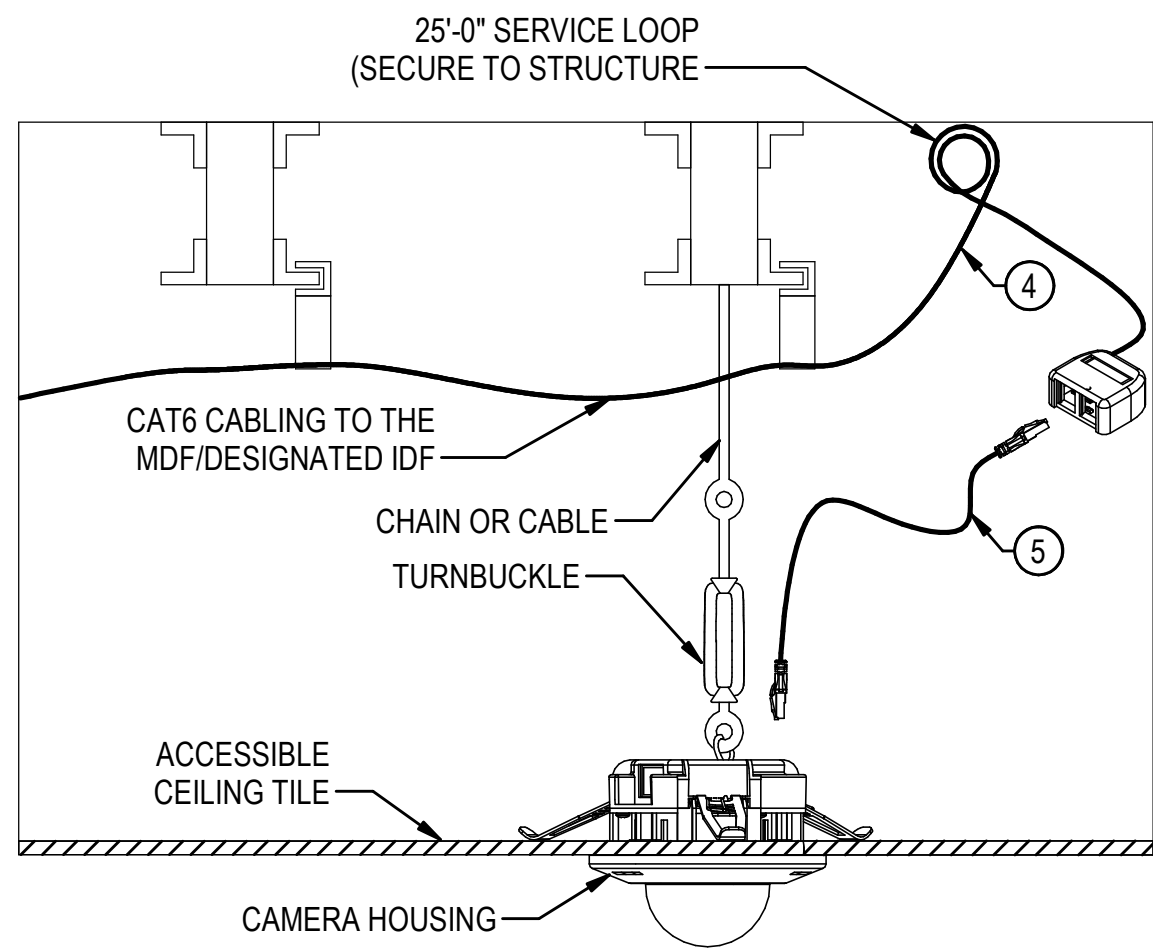
GATE ACCESS CONTROL DETAIL

## GENERAL NOTES

- PROVIDE CENTRALIZED ACCESS CONTROL SYSTEM WITH POWER SUPPLIES LOCATED NEAR EXTERIOR DOORS EXCEPT FOR CENTRALIZED CLASSROOM LOCKDOWN DOOR POWER SUPPLIES WHERE SHOWN.
- SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS.
- COORDINATE WITH THE DIVISION 8 AND DIVISION 26 INSTALLING VENDORS PRIOR TO ROUGH IN OFF ALL ACCESS CONTROL DEVICES.
- ELECTRIC STRIKES AND ELECTRIC LOCKS AND ELECTRIFIED EXIT DEVICES ARE SHOWN ON FLOOR PLANS AS (ED). SEE THE DOOR HARDWARE SCHEDULE FOR ACTUAL DEVICE USED AND PROVIDE CONDUIT AND CABLE AS REQUIRED TO SUPPORT DEVICE FOR EACH DOOR THAT ACCESS CONTROL IS INSTALLED ON.
- REFER TO ELECTRICAL AND SYSTEMS FLOOR PLANS AND SHEET E5.03 FOR ADDITIONAL INFORMATION.
- THE G.C. IS REQUIRED TO CONDUCT A MANDATORY ACCESS CONTROL PRE-CONSTRUCTION MEETING PER SPECIFICATIONS TO COORDINATE ALL DOOR HARDWARE, KEYS, ACCESS CONTROL DEVICES AND CABLING, CARD READERS, POWER, CABLE PATHWAYS, AND FINAL SCOPE COORDINATION.
- DIV. 28 CONTRACTOR SHALL PROVIDE ADDITIONAL OUTPUT EXPANSION AND ACP BOARDS AS REQUIRED TO INTERFACE WITH EACH ELEVATOR AND PROVIDE PROGRAMMING THAT LIMITS CREDENTIAL ACCESS TO SPECIFIC FLOORS. COORDINATE WITH OWNER FOR FLOOR ACCESS AND CREDENTIAL PROGRAMMING GUIDELINES.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

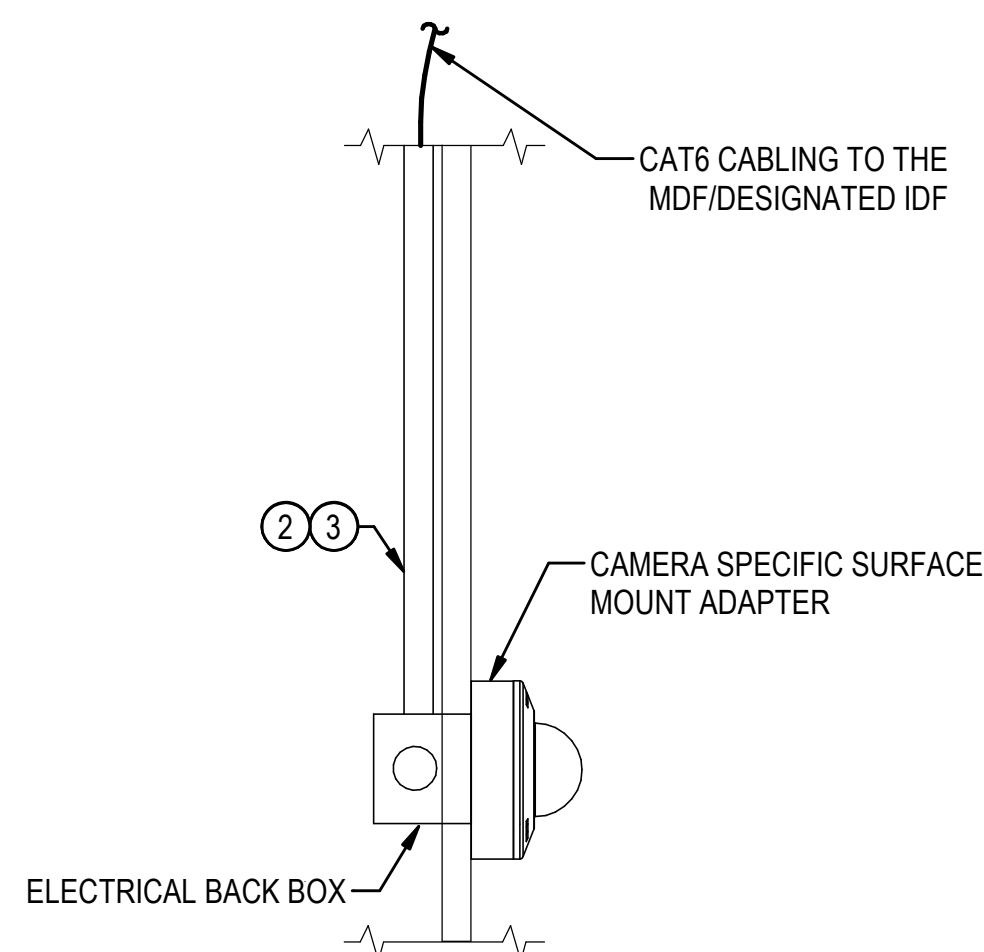
PLEASE NOTE: CONDUIT, WIRING, AND TERMINATIONS BY DIVISION 28		PROVIDED BY	INSTALLED BY	ACCESS CONTROL SYSTEM CONSTRUCTION NOTES
DIVISION	28	28	28	(1) (EDPS) ELECTRIFIED EXIT DEVICE POWER SUPPLY PER DIV 28 SPECIFICATIONS. ONLY ADA AUTO-OPERATOR POWER SUPPLIES AND RELAYS ARE PROVIDED BY DIV 8 AT THE DOOR LOCATION.
DIVISION	8	28	28	(2) (AUXR) PROVIDE AUXILIARY RELAY(S), WHERE REQUIRED
DIVISION	8	28	28	(3) (RB) RELAY BOX TO LOCK/UNLOCK THE DOOR, VIA THE EDPS
DIVISION	26	26	26	(4) JUNCTION BOX
DIVISION	8	8	8	(5) AUTO OPERATOR
DIVISION	28	28	28	(6) SEE SECTION 281300 ACCESS CONTROL SYSTEM AND INTRUSION ALARM SYSTEM FOR CABLING AND MOUNTING REQUIREMENTS
DIVISION	28	28	28	(CR) EXTERIOR CARD READER WITH RED AND GREEN LED'S. EACH CARD READER SHALL BE WIRED TO HAVE THE CARD READER LED'S ILLUMINATED, BASED UPON POWER BEING APPLIED TO THE ELUD. THE STANDARD IS RED LED = LOCKED, AND GREEN LED = UNLOCKED. MOUNT AT +4'-0" AFF ON CENTER. WIRE WITH OSDP.
DIVISION	8	8	8	(8) (ADA) ADA PUSH BUTTON. MOUNT AT +36" AFF ON CENTER. MOUNT BELOW CARD READER WHERE SHOWN.
DIVISION	28	28	28	CABLING FOR THE ELECTRIFIED EXIT DEVICE (ED), ELECTRIC STRIKE, OR ELECTRIC LOCK. USE THE ENTIRE CABLE RUN DISTANCE TO DETERMINE THE CONDUCTOR SIZE REQUIRED FOR EACH DOOR: 50'-0" OR LESS=14AWG, 100'-0" OR LESS=12AWG. FOUR (4) CONDUCTORS ARE REQUIRED TO EACH LOCATION.
DIVISION	8	8	8	(10) POWER TRANSFER HINGE
DIVISION	28	28	28	(11) DOOR POSITION SWITCH
DIVISION	8	8	8	(12) (ED) ELECTRIFIED EXIT DEVICE
DIVISION	8	8	8	(13) (OR) DOOR RELEASE BUTTON & DESK CONTROLLER WITH INCLUDED EXTENSION CORD & RJXX CONNECTOR. TERMINATE AT DEDICATED WALL OUTLET WITH PLATE AND COMPATIBLE MATING RJXX JACK.
DIVISION	27	27	27	(14) CAT6 CABLE TO CLOSEST TELECOM CLOSET
DIVISION	28	28	28	(15) ACCESS CONTROL SYSTEM AND RELAY INTERFACE FOR FIRE ALARM CONTROL PANEL LOCATED IN THE RISER ROOM.
DIVISION	8	8	8	(16) (EL) ELECTRIC LOCK
DIVISION	28	28	28	(17) CABLING FOR EACH ELECTRIC LOCK SHALL MEET THE MANUFACTURERS CABLING REQUIREMENTS.
DIVISION	8	8	8	(18) (REX) REQUEST TO EXIT SENSOR. INTEGRATED EXIT DEVICE REX (WIRING BY 28). MOTION SENSOR REX FOR ELECTRIC STRIKE LOCATIONS
DIVISION	8	8	8	(19) ELECTRONIC DOOR HOLDER/DOOR CLOSER
DIVISION	8	8	8	(20) (ES) ELECTRIC STRIKE
DIVISION	26	26	26	(21) PROVIDE 3/4" CONDUIT(S), QUANTITIES AS REQUIRED.
DIVISION	28	28	28	(22) PANIC BUTTON/PUSH BUTTON (PB).
DIVISION	28	28	28	(23) MOUNT TO BOLLARD WHERE SHOWN ON FLOOR PLANS.
DIVISION	28	28	28	(24) PROVIDE MANUFACTURER RECESSED BACK BOX FOR VIDEO INTERCOM DOOR STATIONS.
DIVISION	26	26	26	(25) SURFACE MOUNT SECURITY DEVICES TO PEDESTAL ENCLOSURE COVER. CONCEAL TERMINATION AND WIRING BEHIND LOCKING HINGING COVER.
DIVISION	28	28	28	(26) MULTI-CONDUCTOR COMPOSITE CABLE FROM JUNCTION BOX TO ACCESS CONTROL PANELS. SIZE CONDUCTORS AS REQUIRED FOR DISTANCE AND HARDWARE.
DIVISION	26	26	26	(27) COORDINATE WITH E.C. FOR ADDITIONAL POWER CONNECTIONS AS REQUIRED.
DIVISION				(28) COORDINATE WITH THE ARCHITECT FOR JUNCTION BOX AND EDPS LOCATION NEAR DOOR AND ACCESS HATCH AS REQUIRED FOR LOCATIONS WITHIN HARBOR.
DIVISION	26	26	26	(29) PROVIDE 1" RACEWAY(S), QUANTITIES AS REQUIRED. PROVIDE RIGID GALVANIZED 90°S PER SPEC.
				(30) DOOR POSITION AND LATCH MONITORING BUILT INTO ELECTRIC STRIKE HARDWARE.
				(31) (ES) ELECTRIC STRIKE - SURFACE MOUNT RIM PLATE. INSTALL PER MANUFACTURER'S INSTRUCTIONS
				(32) SEE SITE AND ENLARGED PLANS FOR CONDUIT AND CABLE ROUTING INFORMATION.





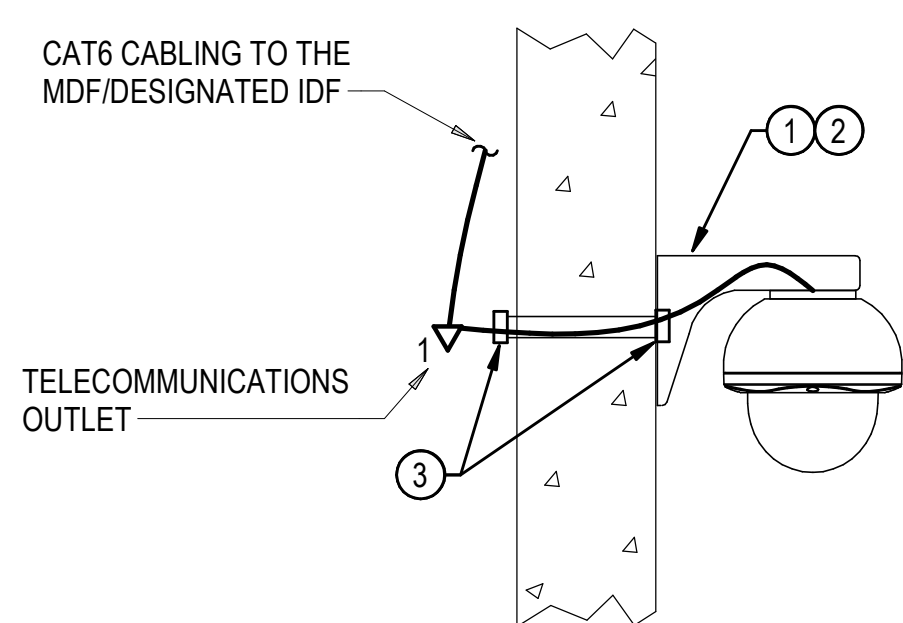
1 RECESSED MOUNT CCTV CAMERA  
(ACCESSIBLE CEILING TILE)

N.T.S



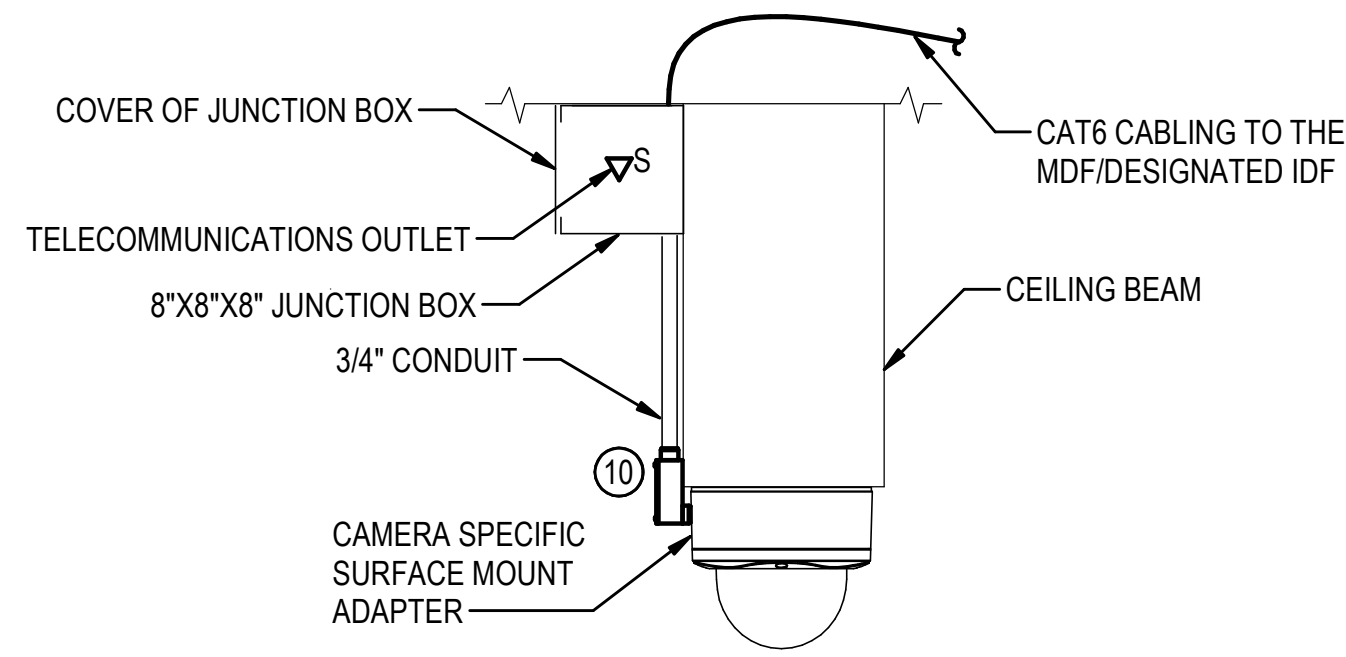
4 WALL MOUNT CCTV CAMERA  
(WALL MOUNTING DETAIL)

N.T.S



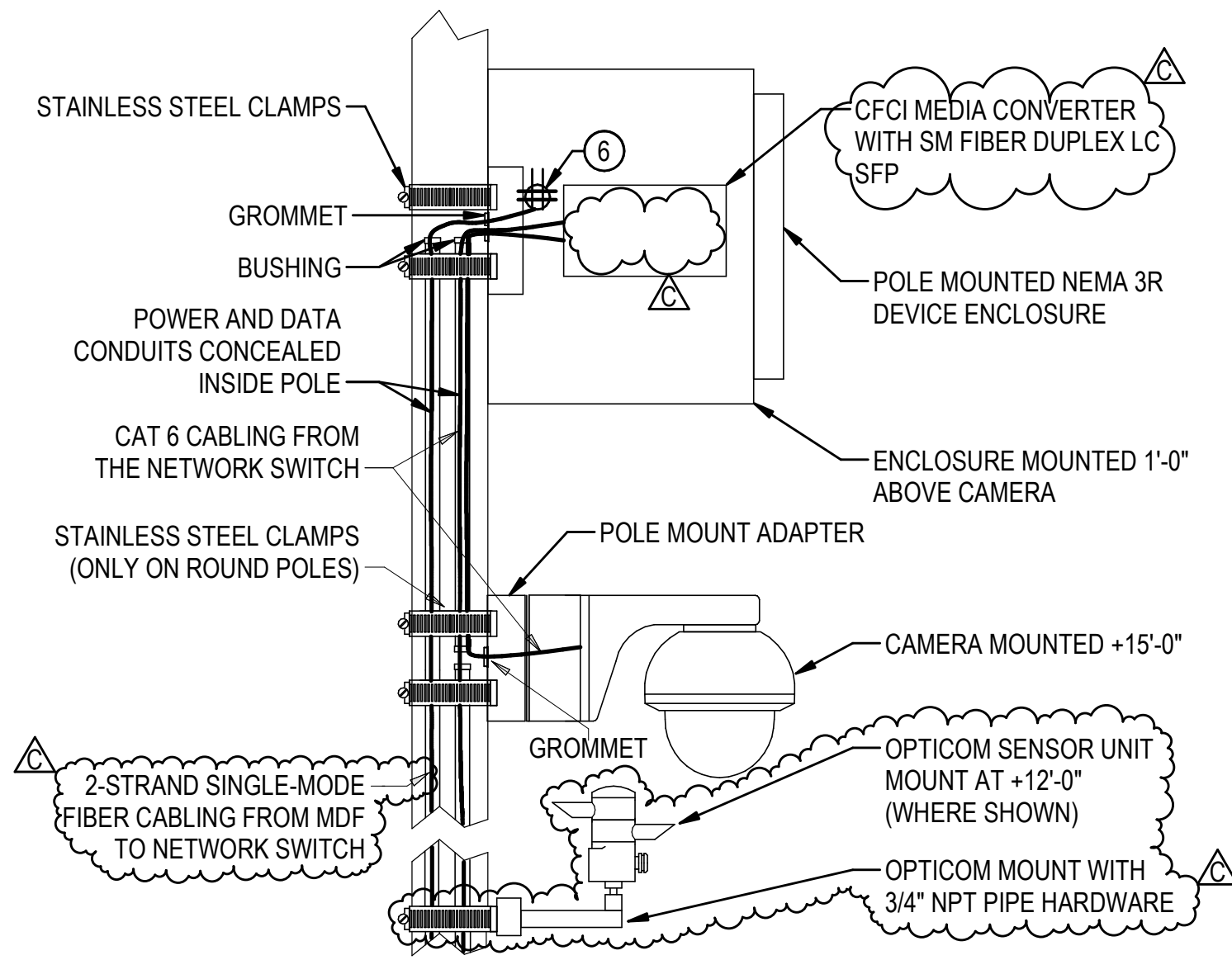
7 TYPICAL WALL MOUNT CCTV CAMERA

N.T.S



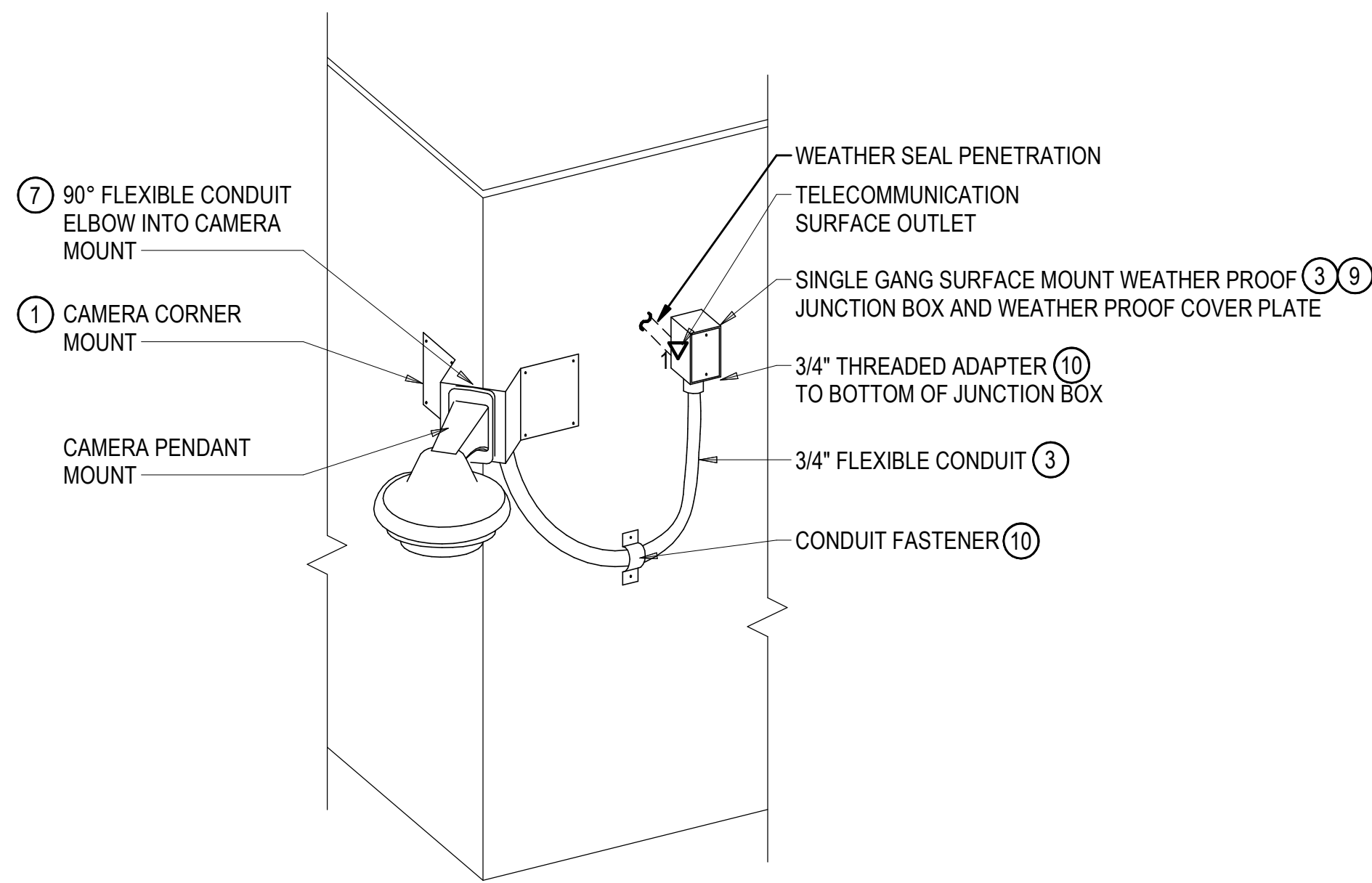
2 SURFACE MOUNT CCTV CAMERA  
(CEILING BEAM)

N.T.S



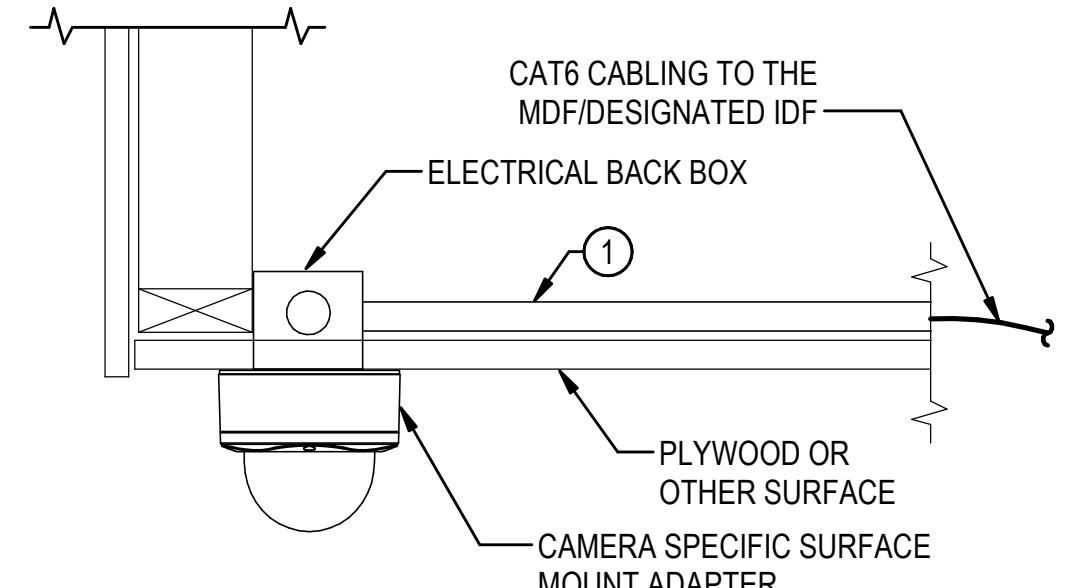
5 TYPICAL POLE MOUNT CCTV CAMERA  
(WITH ENCLOSURE)

N.T.S



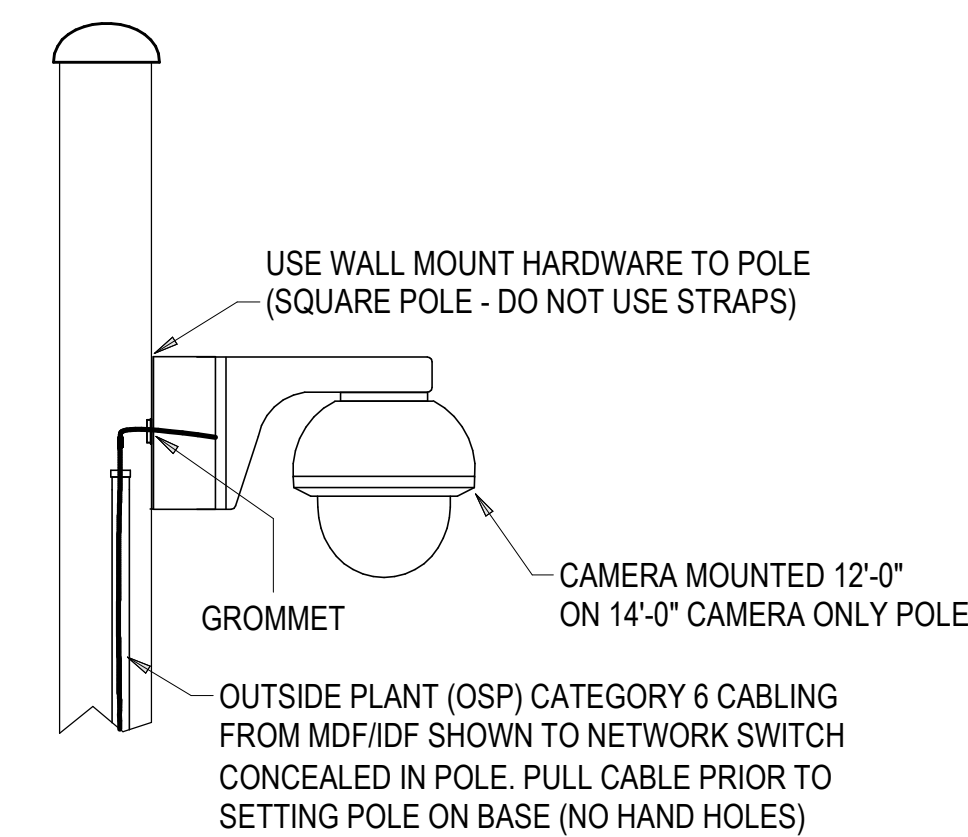
8 TYPICAL CORNER MOUNT CCTV CAMERA

N.T.S



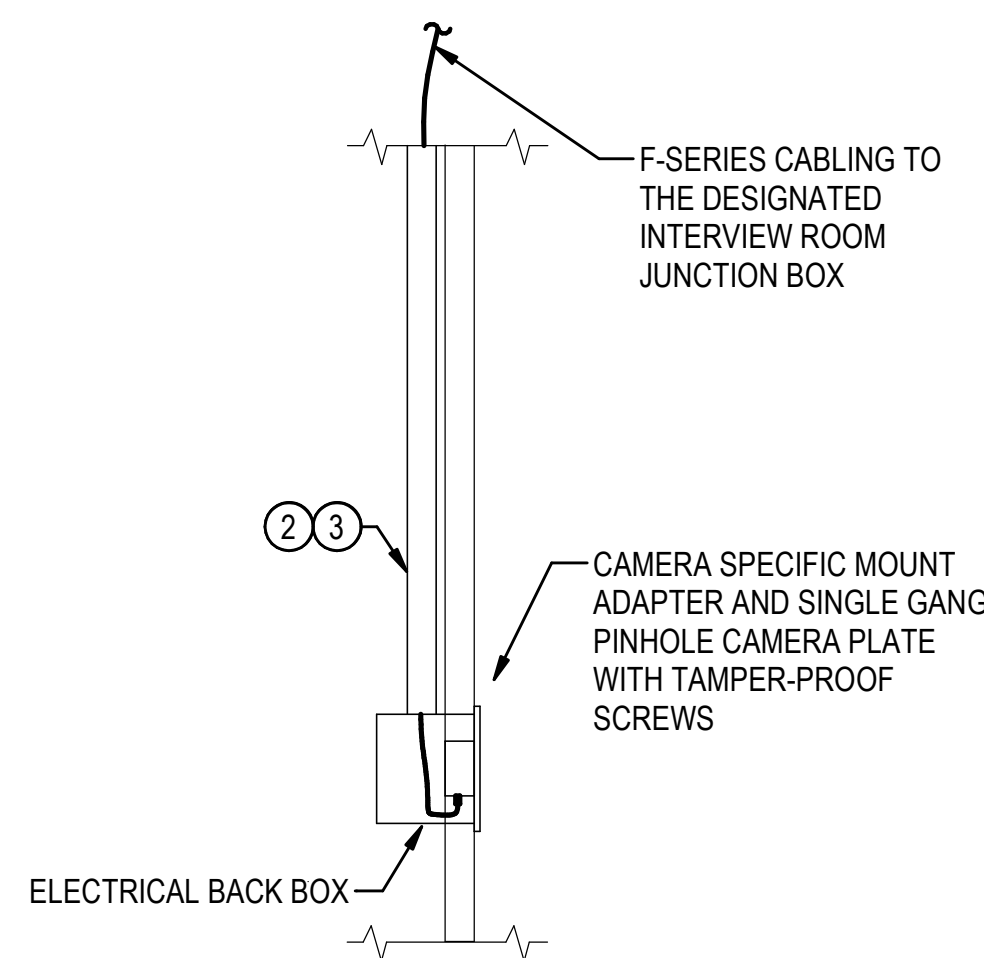
3 CEILING MOUNT CCTV CAMERA  
(INACCESSIBLE CEILING)

N.T.S



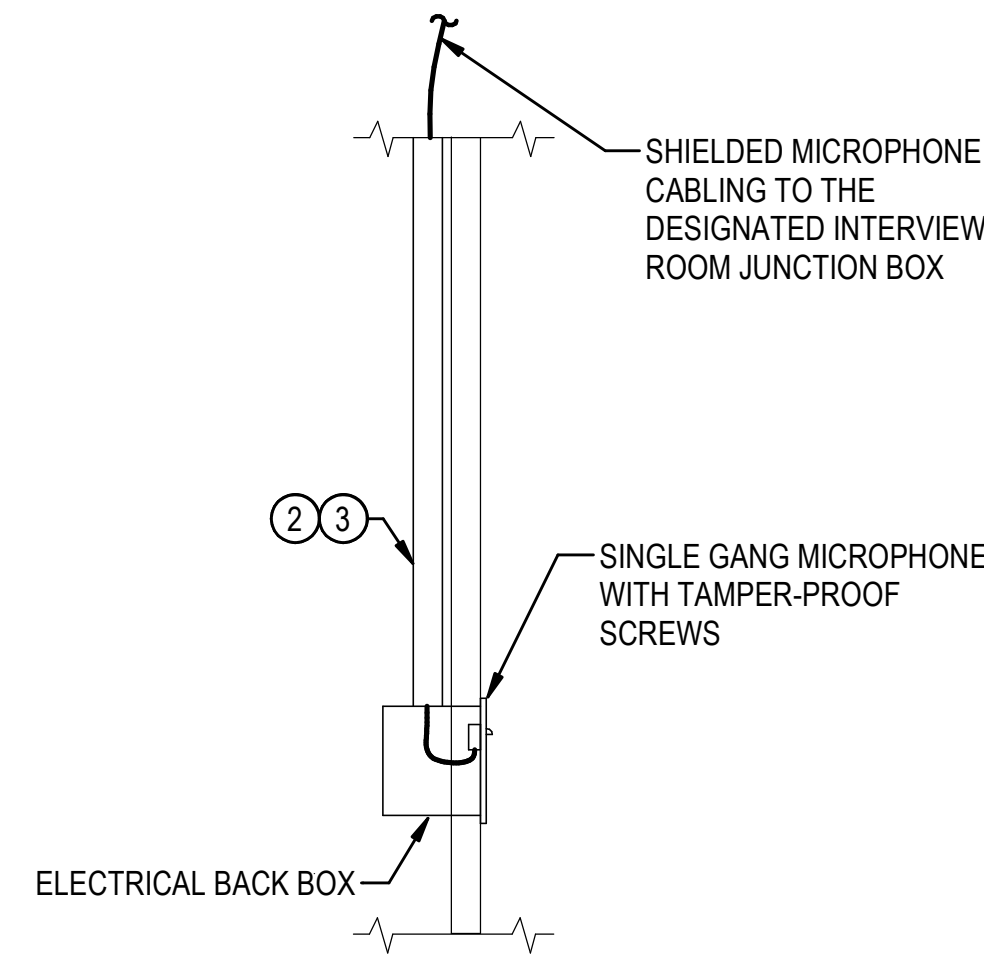
6 TYPICAL POLE MOUNT CCTV CAMERA  
(NO ENCLOSURE)

N.T.S



9 TYPICAL DISCRETE/PINHOLE CAMERA  
MOUNTING DETAIL

N.T.S



10 TYPICAL DISCRETE MICROPHONE  
MOUNTING DETAIL

N.T.S

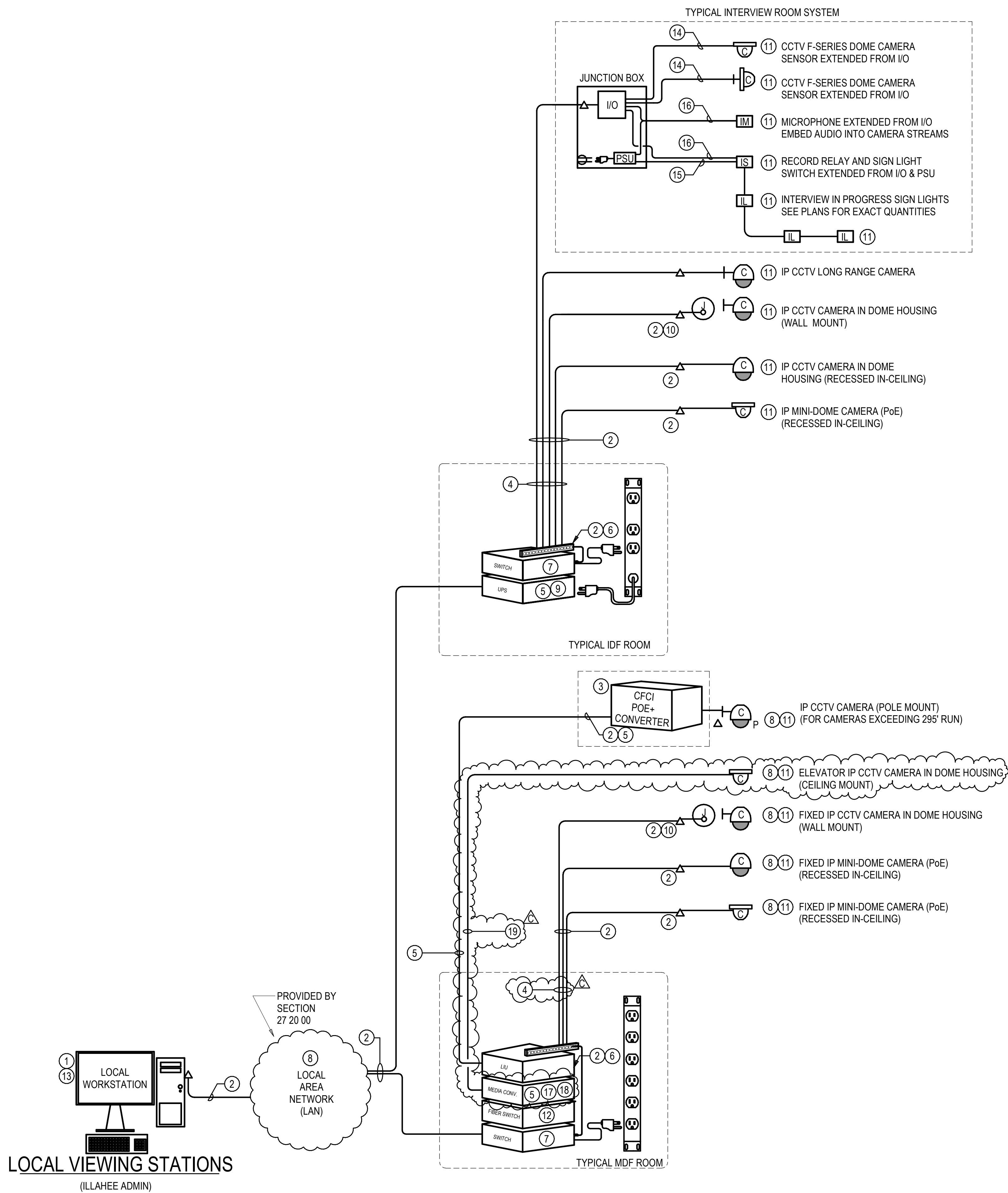
## GENERAL NOTES

- COORDINATE WITH THE DIVISION 8 AND DIVISION 27 INSTALLING CONTRACTORS PRIOR TO ROUGH IN OF ALL ACCESS CONTROL DEVICES.
- FOR CLARITY, CONDUITS ARE NOT SHOWN, EXCEPT WHERE NOTED. SEE FLOOR PLANS FOR CONDUIT REQUIREMENTS.
- SECTION 27 20 00 SHALL PROVIDE THE TELECOMMUNICATION OUTLETS AND THE PATCH CABLES (SIZED TO FIT).
- CAMERAS SHALL BE LOCATED AS SUCH TO AVOID RESTRICTING THE CAMERA'S FIELD OF VIEW FROM: EXIT SIGNS, LIGHTING, DOOR HEADERS, BUILDING FEATURES, BANNERS, OR OTHER (ART) ITEMS HANGING FROM THE CEILING. COORDINATE WITH ALL TRADES AS REQUIRED PRIOR TO ROUGH-IN.
- CAMERAS TO BE MOUNTED AS RECOMMENDED BY THE MANUFACTURER AND AS SHOWN.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

## CONSTRUCTION NOTES

- REINFORCE THE WALL AND WALL SURFACE FOR CAMERA MOUNTING, AS REQUIRED. SECURE CAMERA HOUSING TO THE WALL SURFACE/STRUCTURE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE WEATHER-PROOF SEALANT TO PREVENT MOISTURE PENETRATION.
- EXPOSED CONDUITS ARE NOT ALLOWED.
- PROVIDE (1) 3/4" CONDUIT CABLE PATHWAY FROM JUNCTION BOX TO THE ACCESSIBLE CEILING SPACE AS REQUIRED. PROVIDE SUPPORT AS REQUIRED FOR BOX TO BE FLUSH TO FINISHED SURFACE. PROVIDE FLASHING PAINTED TO MATCH FINISHED SIDING MATERIAL AS REQUIRED.
- ROUTE THE CAT6 CABLE TO THE NEAREST TELECOMMUNICATIONS ROOM (MDF OR DESIGNATED IDF).
- PATCH CABLE (SIZED AS REQUIRED FOR EACH LOCATION).
- ELECTRICAL CONTRACTOR TO PROVIDE CONNECTION TO INTEGRAL FOURPLEX RECEPTACLE IN NEMA 3R ENCLOSURE. PROVIDE CONDUITS INTO BASE OF POLE AND INSIDE OF POLE PER POLE BASE DETAIL AND CIRCUITING AS INDICATED ON THE SITE PLAN(S).
- INSTALL FLEXIBLE CONDUIT 90° ELBOW BEHIND CORNER MOUNT WHERE POSSIBLE, OR INTO BOTTOM OF CAMERA MOUNT IF NOT.
- THE CONDUIT, FASTENERS, JUNCTION BOX, AND CUSTOM MOUNTING PLATE SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE.
- PROVIDE JUNCTION BOX MOUNTED TIGHT TO CORNER STRUCTURE. PROVIDE SHORTEST POSSIBLE FLEXIBLE CONDUIT PATHWAY FROM THE JUNCTION BOX TO THE CAMERA, AS REQUIRED AND AS RECOMMENDED BY THE FLEXIBLE CONDUIT MANUFACTURER.
- INSTALL FLEXIBLE CONDUIT AS RECOMMENDED BY THE MANUFACTURER.





1 CCTV RISER DIAGRAM  
N.T.S.

28 23 00 CCTV CAMERA MATRIX						
CAMERA NO.	FIELD OF VIEW	MOUNT	LEVEL	LOCATION	ELEVATION	AXIS MODEL
C-01	MULTI-SENSOR	CEILING	LOWER LEVEL	EXTERIOR	10' - 6"	P3719-PL
C-02	DUAL-SENSOR	WALL	LOWER LEVEL	EXTERIOR	11' - 0"	P4707-PL
C-03	MULTI-SENSOR	CORNER	LOWER LEVEL	EXTERIOR	12' - 0"	P3719-PL
C-04	MULTI-SENSOR	CORNER	LOWER LEVEL	EXTERIOR	12' - 0"	P3719-PL
C-05	MULTI-SENSOR	CORNER	LOWER LEVEL	EXTERIOR	12' - 0"	P3719-PL
C-06	MULTI-SENSOR	CORNER	LOWER LEVEL	EXTERIOR	12' - 0"	P3719-PL
C-07	MULTI-SENSOR	CEILING	UPPER LEVEL	EXTERIOR	10' - 0"	P3719-PL
C-08	MULTI-SENSOR	CEILING	LOWER LEVEL	EXTERIOR	10' - 6"	P3719-PL
C-09	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	9' - 0"	P3267-LV
C-10	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	P3719-PL
C-11	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	9' - 6"	P3719-PL
C-12	SINGLE-SENSOR	CEILING	LOWER LEVEL	ELEVATOR	8' - 0"	P3267-LV
C-13	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	9' - 0"	P3267-LV
C-14	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	9' - 6"	P3719-PL
C-15	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	P3719-PL
C-16	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-17	RECESSED PINHOLE SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-18	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-19	RECESSED PINHOLE SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-20	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-21	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	8' - 6"	P3267-LV
C-22	SINGLE-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-23	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	8' - 6"	P3267-LV
C-24	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	10' - 0"	P3267-LV
C-25	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	10' - 0"	P3267-LV
C-26	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	12' - 0"	P3267-LV
C-27	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	12' - 0"	P3267-LV
C-28	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	11' - 0"	P3719-PL
C-29	MULTI-SENSOR	PENDANT	LOWER LEVEL	INTERIOR	10' - 0"	P3719-PL
C-30	MULTI-SENSOR	CEILING	LOWER LEVEL	INTERIOR	11' - 0"	P3719-PL
C-31	DUAL-SENSOR	CEILING	LOWER LEVEL	INTERIOR	10' - 0"	P4707-PL
C-32	DUAL-SENSOR	CEILING	LOWER LEVEL	INTERIOR	8' - 0"	P4707-PL
C-33	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	9' - 0"	P3267-LV
C-34	SINGLE-SENSOR	WALL	LOWER LEVEL	INTERIOR	9' - 0"	P3267-LV
C-35	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	12' - 0"	P3267-LV
C-36	SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	10' - 0"	P3267-LV
C-37	DUAL-SENSOR	CEILING	UPPER LEVEL	INTERIOR	8' - 0"	P4707-PL
C-38	DUAL-SENSOR	CEILING	UPPER LEVEL	INTERIOR	9' - 0"	P4707-PL
C-39	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-40	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-41	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-42	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-43	SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	9' - 6"	P3267-LV
C-44	SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	9' - 6"	P3267-LV
C-45	SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	9' - 6"	P3267-LV
C-46	DUAL-SENSOR	CEILING	UPPER LEVEL	INTERIOR	8' - 0"	P4707-PL
C-47	DUAL-SENSOR	WALL	UPPER LEVEL	INTERIOR	12' - 6"	P4707-PL
C-48	DUAL-SENSOR	CEILING	UPPER LEVEL	INTERIOR	9' - 0"	P4707-PL
C-49	DUAL-SENSOR	CEILING	LOWER LEVEL	INTERIOR	9' - 0"	P4707-PL
C-50	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	P3267-LV
C-51	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-52	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-53	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	8' - 0"	P3267-LV
C-54	MULTI-SENSOR	WALL	UPPER LEVEL	INTERIOR	12' - 6"	P3719-PL
C-55	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-56	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-57	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-58	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-59	RECESSED PINHOLE SINGLE-SENSOR	WALL	UPPER LEVEL	INTERIOR	4' - 0"	F7225-RE
C-60	SINGLE-SENSOR	CEILING	UPPER LEVEL	INTERIOR	10' - 0"	F4105-LR
C-61	DUAL-SENSOR	CEILING	UPPER LEVEL	INTERIOR	9' - 0"	P4707-PL
C-62	MULTI-SENSOR	CEILING	UPPER LEVEL	INTERIOR	8' - 0"	P3719-PL
C-74	SINGLE-SENSOR	CEILING	UPPER LEVEL	EXTERIOR	12' - 6"	P3267-LV
C-75	MULTI-SENSOR	CORNER	UPPER LEVEL	EXTERIOR	10' - 0"	P3719-PL
C-77	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-78	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-79	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-80	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-81	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-82	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-83	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-84	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-85	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-86	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-87	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-88	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-89	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-90	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-91	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-92	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-93	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-94	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-95	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-96	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL
C-97	MULTI-SENSOR	POLE	LOWER LEVEL	EXTERIOR	15' - 0"	P3719-PL

TOTAL CAMERAS: 85

## GENERAL NOTES

- THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.
- ALL EQUIPMENT SHOWN IS TYPICAL. SEE FLOOR PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE QUANTITIES AS REQUIRED.
- ALL CAMERAS, CCTV SYSTEM CABLING AND PROGRAMMING, SHALL BE THE RESPONSIBILITY OF (1) INSTALLING VENDOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. CLARIFICATION OF SCOPE OF WORK AND DEMARCATION POINT:
  - THE SECTION 27 20 00 DATA AND VOICE INFRASTRUCTURE INSTALLING VENDOR SHALL PROVIDE ALL CABLING AND EQUIPMENT AS IDENTIFIED IN CONSTRUCTION NOTE 2 (ON THIS SHEET), THE PATCH PANEL(S) AND DATA OUTLET(S) SHALL BE DEEMED THE DEMARCATION POINT.
  - THE SECTION 28 23 00 CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) INSTALLING VENDOR SHALL PROVIDE ALL OTHER CABLING AND EQUIPMENT.
  - CCTV SERVER, STORAGE AND LICENSES WILL BE OWNER-PROVIDED AND CONTRACTOR INSTALLED (OFCI).
- NOT ALL PARTS ARE CALLED OUT IN SPECIFICATIONS. PROVIDE ALL PARTS AS REQUIRED FOR A FULLY FUNCTIONAL CAMERA SYSTEM.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

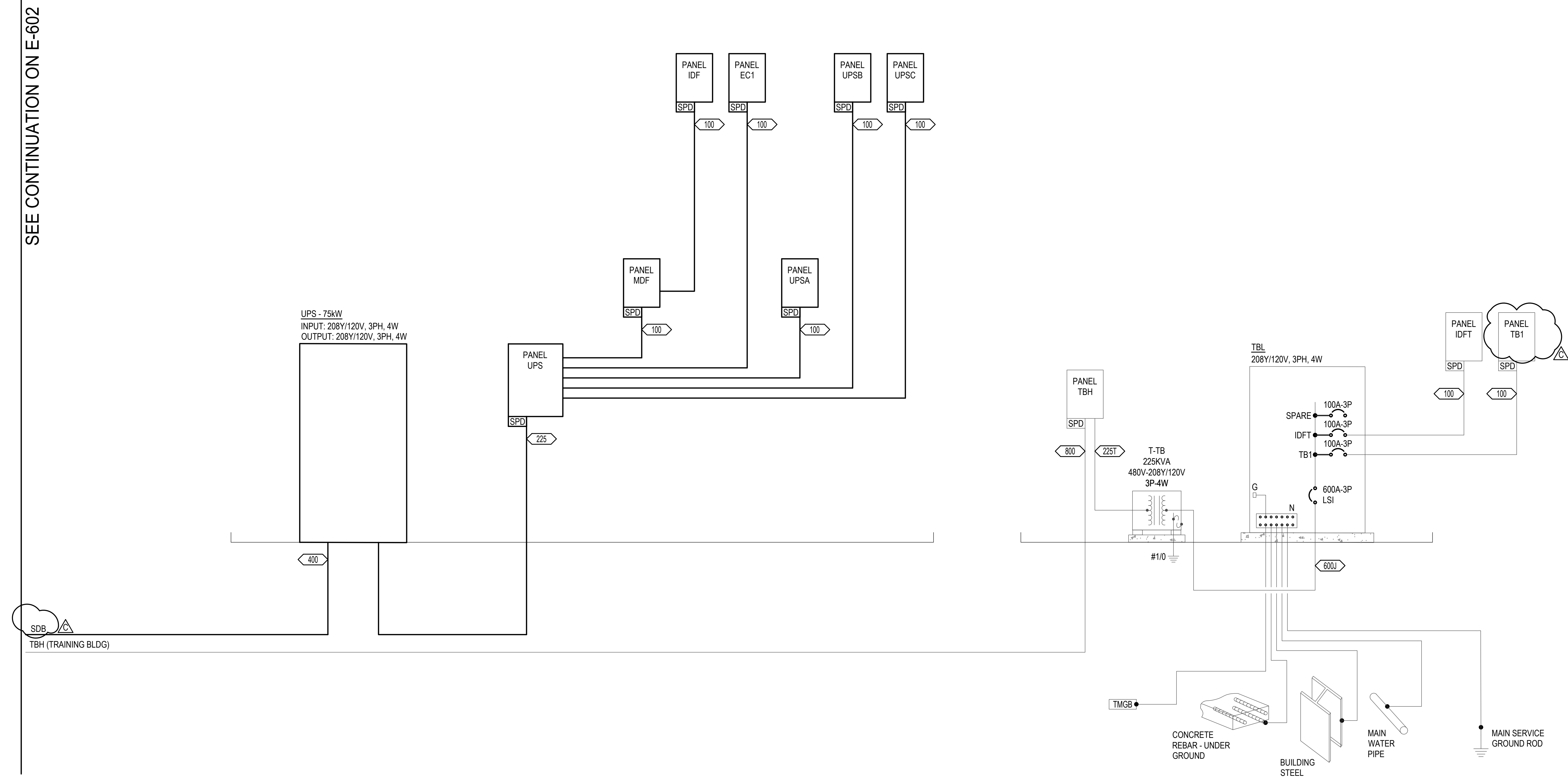
## CONSTRUCTION NOTES

- WORKSTATION PC(S) SHALL BE PROVIDED BY THE OWNER. PROVIDE, INSTALL AND CONFIGURE THE REMOTE VIEWING SOFTWARE AT THE LOCATIONS DESCRIBED IN THE SPECIFICATIONS.
- DATA CABLES, PATCH PANELS, PATCH CORDS FOR PATCH PANELS, PATCH CORDS FOR EACH CAMERA (SIZED TO FIT), PATCH PANEL LABELING, CAT6 CABLE LABELING, AND UPS SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY SECTION 27 20 00.
- OFCI 8-PORT POE+ NETWORK SWITCH. LOCATE IN OFCI POLE MOUNT ENCLOSURE PER SPECS.
- PROVIDE PLENUM RATED CABLES AND WET RATED CABLES, AS REQUIRED BY CODE AND THE AHJ.
- PROVIDE (1) 2-STRAND SINGLE MODE FIBER FROM MDF OFCI NETWORK MEDIA CONVERTER IN POLE MOUNTED NEMA 3R ENCLOSURE. TERMINATE WITH LC CONNECTORS ON BOTH ENDS. PROVIDED BY SECTION 27 20 00.
- PROVIDE SPECIFIED COLOR JACKS FOR THE CCTV SYSTEM CABLING.
- OWNER-PROVIDED POE NETWORK SWITCH.
- PROGRAM CAMERAS INTO OFCI NVR SERVERS LOCATED IN MDF. USE OFCI CAMERA LICENSES FOR EACH CAMERA INSTALLED AT THE BUILDINGS AND CAMERAS LOCATED ON POLES.
- THE UPS SHALL BE CENTRALIZED IN MAIN BUILDING (BY DIVISION 26). RACK PDU'S (BY DIVISION 27) CONNECT TO RACK OUTLETS BACK BY UPS.
- LOCATE THE SURFACE MOUNT TELECOMMUNICATIONS OUTLET IN THE CAMERA HOUSING OR JUNCTION BOX, UNLESS OTHERWISE NOTED. REVIEW THE SPECIFICATIONS AND MOUNTING DETAILS FOR INSTALLATION REQUIREMENTS.
- SEE THE CAMERA INSTALLATION DETAILS FOR ROUGH-IN AND TYPICAL INSTALLATION. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS.
- OFCI FIBER SWITCH AND SFP'S.
- COORDINATE WITH OWNER TO PROGRAM THE DESIRED CAMERAS TO BE ACCESSIBLE IN THEIR CLIENT/USER INTERFACE APPLICATION.
- PROVIDE F-SERIES CAMERA SENSOR CABLING PER SPECIFICATIONS.
- PROVIDE 12AWG 2-CONDUCTOR (12/2) CABLING FOR SIGN LIGHT SWITCH AND 12VDC SIGN LIGHTS.
- PROVIDE SHIELDED PAIR MIC/LINE CABLING FOR MICROPHONE AND SWITCH RELAYS.
- PROVIDE MEDIA CONVERTERS AND 19" RACK MOUNT CARD CAGE FOR EXTENDING NETWORK TO POLE ENCLOSURES.
- UTILIZE EXTENDER FOR IP-POE OVER COAXIAL CABLE. PROVIDED BY 27 20 00. COORDINATE EXACT OUTLET LOCATION WITH ELEVATOR CONTRACTOR.
- RG-59U CABLE EXTENDED FROM MDF TO ELEVATOR MACHINE CONTROLS BY 27 20 00 FOR CONNECTION TO TRAVEL CABLE.



## GENERAL NOTES

1. SEE SHEET E-611 FOR FEEDER SCHEDULE AND ADDITIONAL GENERAL NOTES.
2. ALL SPDs THIS SHEET: PROVIDE (4) #10 CU AND (1) #10 CU GND TO SPD. ENSURE SPD IS LOCATED WITHIN MANUFACTURER'S RECOMMENDED DISTANCE FROM BREAKER.
3. SEE PANEL SCHEDULES FOR SPECIFIC PANEL INFORMATION.



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### ELECTRICAL ONE-LINE DIAGRAM

SCALE: DIAGRAMMATIC



LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MFR.	MODEL	CATALOG #	LUMENS	VOLTS		LAMP PROPERTIES		INDIVIDUALLY ADDRESSABLE	INTEGRAL OCCUPANCY / PHOTOCELL SENSOR	INSTALLATION NOTES
						W	V	TYPE	TEMP.			
AL1A	POLE MOUNTED SINGLE HEAD - TYPE 3	LITHONIA	DSX1	DSX1-P6-40K-BLC3-MVOLT-RPA-NLTAIR2-PIRH1FC3V-DBLBXD	18492	163 W	277 V	LED	4000 K			
AL1B	POLE MOUNTED SINGLE HEAD - TYPE 5	LITHONIA	DSX1	DSX1-P6-40K-T3M-MVOLT-RPA-NLTAIR2-PIRH1FC3V-DBLBXD	19766	163 W	277 V	LED	4000 K			
AL1C	POLE MOUNTED DOUBLE HEAD - TYPE 5	LITHONIA	DSX1	DSX1-P6-40K-T3M-MVOLT-RPA-NLTAIR2-PIRH1FC3V-DBLBXD	36984	326 W	277 V	LED	4000 K			
AL2	PEDESTRIAN LIGHT COLUMN	BEGA	88 064	88 064-BLK-4000K	3370	36 W	277 V	LED	4000 K			
CL1	LINEAR COVE LIGHT	ELLIPTIPAR	S315	S315-R04G-S-00-M-00-Q-835-EL	1885	14 W	277 V	LED	3500 K			
CL2	RECESSED RESTROOM COVE LIGHT	LUMENWERX	VIA 3 SEAL	V3SEALPERD-EPDO-SW-80-500-35-XX	500 LM/FT	<varies>	277 V	LED	3500 K			5W, 500 LUMENS PER 1'. FIXTURE SHALL BE 2" SHORTER THAN WALL. REFER TO ARCHITECTURAL DIMENSIONS FLOOR PLANS.
EX1	EXIT LIGHT FIXTURE	ISOLITE	ELT	ELT-AC-G-AG-BA	N/A	2 W	UNV	LED				PROVIDE DIRECTION ARROWS AS INDICATED. PROVIDE UNSWITCHED HOT LEG.
EX2	EXIT LIGHT FIXTURE	NEW STAR	620	620-LED-UN-GW	N/A	2 W	UNV	LED				PROVIDE DIRECTION ARROWS AS INDICATED. PROVIDE UNSWITCHED HOT LEG.
EX3	EXIT LIGHT FIXTURE	ISOLITE	ELT	ELT-AC-G-AG-BA-CW 'IN USE'	N/A	2 W	277 V	LED				PROVIDE DIRECTION ARROWS AS INDICATED. PROVIDE UNSWITCHED HOT LEG.
FL1	LED FLOOD LIGHT	BEGA	84 504	84 504	2306	32 W	277 V	LED	4000 K			
FL2	LED WALL LUMINAIRE	BEGA	33 341	33 341	<varies>	6 W	277 V	LED	3000 K			
PL1A	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-48L-SDS-LP835	4871	40 W	277 V	LED	3500 K	X	X	
PL1AE	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-48L-SDS-LP835	4871	40 W	277 V	LED	3500 K	X	X	
PL1B	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-30L-SDS-LP835	2914	25 W	UNV	LED	3500 K	X	X	
PL1BE	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-30L-SDS-LP835	2914	25 W	277 V	LED	3500 K	X	X	
PL1C	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-60L-SDS-LP835	5965	49 W	277 V	LED	3500 K	X	X	
PL1CE	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP	BLWP-60L-SDS-LP835	5965	49 W	277 V	LED	3500 K	X	X	
PL2A	4' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U4-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	3458	29 W	277 V	LED	3500 K	X	X	
PL2AE	4' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U4-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	3458	29 W	277 V	LED	3500 K	X	X	
PL2B	8' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U8-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	6916	58 W	277 V	LED	3500 K	X	X	
PL2BE	8' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U8-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	6916	58 W	277 V	LED	3500 K	X	X	
PL2C	16' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U16-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	13831	116 W	277 V	LED	3500 K	X	X	
PL2CE	16' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U16-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	13831	116 W	277 V	LED	3500 K	X	X	
PL2D	20' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U20-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	17289	145 W	277 V	LED	3500 K	X	X	
PL2DE	20' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U20-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	17289	145 W	277 V	LED	3500 K	X	X	
PL2F	12' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U12-80CRI-35K-800LMF-DBW-400LMF-ISTD-FLLC	10373	87 W	277 V	LED	3500 K	X	X	
PL2FE	12' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U12-80CRI-35K-800LMF-DBW-400LMF-ISTD-FLLC	10373	87 W	277 V	LED	3500 K	X	X	
PL2G	22' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U22-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	19018	160 W	277 V	LED	3500 K	X	X	
PL2H	24' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U24-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	20747	174 W	277 V	LED	3500 K	X	X	
PL2HE	24' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U24-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	20747	174 W	277 V	LED	3500 K	X	X	
PL2KE	28' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U28-80CRI-35K-600LMF-DBW-400LMF-ISTD-FLLC	24205	203 W	277 V	LED	3500 K	X	X	
PL2L	26' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U26-80CRI-35K-800LMF-DBW-400LMF-ISTD-FLLC	22476	189 W	277 V	LED	3500 K	X	X	
PL2LE	26' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U26-80CRI-35K-800LMF-DBW-400LMF-ISTD-FLLC	22476	189 W	277 V	LED	3500 K	X	X	
PL2ME	30' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U26-80CRI-35K-800LMF-DBW-400LMF-ISTD-FLLC	25934	218 W	277 V	LED	3500 K	X	X	
PL3	4' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U4-80CRI-35K-1200LMF-DBW-400LMF-ISTD-FLLC	5430	50 W	277 V	LED	3500 K	X	X	
PL3E	4' PENDANT MOUNT DIRECT/INDIRECT FIXTURE	MARK	SLOT 4	S4PID-U4-80CRI-35K-1200LMF-DBW-400LMF-ISTD-FLLC	5430	50 W	277 V	LED	3500 K	X	X	
PL4	DECORATIVE DIRECT/INDIRECT PENDANT MOUNT FIXTURE	METEOR	DUO 4	DUO4-30-358-XXX-XXX-60WD-XXX	2576	30 W	277 V	LED	3500 K			
RL1	RECESSED 2'X2' PANEL	MARK	WHISPER LED	WHSPR-2x2-3300LM-35K-80CRI-SWC	3370	30 W	277 V	LED	3500 K	X	X	
RL1E	RECESSED 2'X2' PANEL	MARK	WHISPER LED	WHSPR-2x2-3300LM-35K-80CRI-SWC	3370	30 W	277 V	LED	3500 K	X	X	
RL3	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-15-LO4AR-MVOLT-GZ1-NLTAIR2	1572	18 W	277 V	LED	3500 K	X	X	
RL3E	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-15-LO4AR-MVOLT-GZ1-NLTAIR2	1572	18 W	277 V	LED	3500 K	X		
RL4	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-10-LO4AR-MVOLT-GZ1-NLTAIR2	1086	11 W	277 V	LED	3500 K	X		
RL4E	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-10-LO4AR-MVOLT-GZ1-NLTAIR2	1086	11 W	277 V	LED	3500 K	X		
RL5	RECESSED ACCENT LIGHT	LUMENWERX	VIA 1.5	VIA1.5R-D-WRO-NA-SW-90-500-30-UNV-D1	2000	18 W	277 V	LED	3500 K			
RL6E	RECESSED DIRECT LINEAR FIXTURE	LUMENWERX	VIA 3 SEAL	V3SEALPERD-EPDO-SW-80-500-35-4FT	4000	42 W	277 V	LED	3500 K			
RL7E	RECESSED HIGH SECURITY CONFINEMENT FIXTURE	LUMINAIRE LED	SUPER MAX RMQ	RMQ-Q11-25W-40K-ALS-4ES	2044	25 W	277 V	LED	3500 K			
RL8	6" RECESSED DOWNLIGHT	METEOR	REV 6	RS6N-80-358-277-STV-60-WHT-SCA610	8040	80 W	277 V	LED	3500 K			
RL8E	6" RECESSED DOWNLIGHT	METEOR	REV 6	RS6N-80-358-277-STV-60-WHT-SCA610	8040	80 W	277 V	LED	3500 K			
SL1	4' SURFACE MOUNT STRIP LIGHT FIXTURE	LITHONIA	BLWP	BLWP4-40L-SDSM-EZ1-LP835	3964	35 W	277 V	LED	3500 K	X	X	
SL1E	4' SURFACE MOUNT STRIP LIGHT FIXTURE	LITHONIA	BLWP	BLWP4-40L-SDSM-EZ1-LP835	3964	35 W	277 V	LED	3500 K	X	X	
SL3	4' VANDAL RESISTANT WRAPAROUND FIXTURE	LUMINAIRE LED	VISION VPF	VPF4-4FT-MIN10-40K-MVOLT-OP-WHT	4272	42 W	277 V	LED	4000 K			
UC1	UNDERCABINET FIXTURE	Q TRAN	SW-HE24	DRIVER: SW-HE24/3 0-DRY 35 EXTRUSION: WIDE-ST-SST-CL-S1-X'	<varies>	<varies>	277 V	LED	3500 K			3 W/FT. SEE PLANS FOR FIXTURE RUN LENGTHS.
WL1	DIRECT/INDIRECT WALL MOUNT FIXTURE	MARK	SLOT 4	S4LWID-4FT-80CRI-35K-1000LMF-400LMF-600LMF	6400	54 W	277 V	LED	3500 K	X	X	
WL1E	DIRECT/INDIRECT WALL MOUNT FIXTURE	MARK	SLOT 4	S4LWID-4FT-80CRI-35K-1000LMF-400LMF-600LMF	6400	54 W	277 V	LED	3500 K	X	X	
WL2	RESTROOM VANITY FIXTURE	KUZZCO	VEGA MINOR	VL18224-WH	992	17 W	277 V	LED	3500 K			
WL3	VARIABLE STRIP LIGHT FIXTURE	BOCA FLASHER	HPNLS-HO	HPNLS-HO-SW-3500K-30"-277V-W-W-C	1600	20 W	277 V	LED	3500 K			
WL4	LED WALL LUMINAIRE	BEGA	33 341	33 341	518	6 W	277 V	LED	3000 K			
WL4E	LED WALL LUMINAIRE	BEGA	33 341	33 341	518	6 W	277 V	LED	3000 K			
WL5	LED WALL LUMINAIRE	LITHONIA	D-SERIES SIZE 1	DSXW1-LED-20C-700mA-40K-T3M-MVOLT-RPA-NLTAIR2-PIRH1FC3V-DBLBXD	5078	46 W	277 V	LED	4000 K			

GENERAL NOTES

- ALL LIGHTING FIXTURES SHALL BE NETWORK COMPATIBLE
- FIXTURES NOTED ON THE FIXTURE SCHEDULE AS INDIVIDUALLY ADDRESSABLE SHALL BE PROVIDED WITH ALL CONTROLS COMPONENTS NECESSARY TO MEET WSEC C406.4.
- FIXTURE TYPES LISTED INDICATE THE TYPE, STYLE, CHARACTERISTICS, AND MOUNTING REQUIRED TO FACILITATE THIS DESIGN. OTHER FIXTURE MANUFACTURERS MEETING THE LIGHTING FIXTURE CRITERIA ARE ACCEPTABLE UPON APPROVAL BY THE ARCHITECT, OWNER, AND ENGINEER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE FINISH COLORS WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND MOUNTING HARDWARE FOR A COMPLETE SYSTEM. COORDINATE LOCATION OF ALL REMOTE LED DRIVES - LOCATION SHALL BE CONCEALED AND READILY ACCESSIBLE.
- REFER TO FLOORPLAN SHEETS FOR ADDITIONAL MOUNTING HEIGHT DETAILS.
- EMERGENCY FIXTURES IDENTIFIED WITH HATCHING OR "E" SYMBOL PER THE LEGEND SHALL BE PROVIDED WITH NORMAL CIRCUIT AS INDICATED, WITH UL924 DEVICE, AND CONNECTION VIA UNSWITCHED HOT LEG. PROVIDE CONNECTION TO EMERGENCY POWER VIA NEAREST UNSWITCHED EMERGENCY CIRCUIT.

COMMISSIONING REQUIREMENTS FOR THE  
LIGHTING CONTROL SYSTEM

TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN THE PROPER WORKING CONDITION IN MANUFACTURER'S INSTALLATION INSTRUCTIONS. WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE OR ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS, AND ANY PERTINENT DISCUSSION SHALL BE FOLLOWED. AT A MINIMUM, TESTING SHALL AFFIRM OPERATION DURING NORMALLY OCCUPIED DAYLIGHT CONDITIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. ALL TESTING AND DOCUMENTATION SHALL COMPLY WITH C408.3 OF THE WASHINGTON STATE ENERGY CODE. FOR OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTO-SENSORS OR DAYLIGHT CONTROLS, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIMEOUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
- CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
- CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTO-SENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

NEW POLICE STATION  
CITY OF LACEY  
222 COLLEGE STREET SE, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"

REVISIONS:  
B ADDENDUM 02 10/19/2023  
C ADDENDUM 03 10/26/2023

DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
E-621  
LIGHT FIXTURE SCHEDULE

SHEET \_\_\_\_\_ OF \_\_\_\_\_

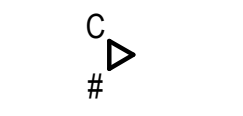



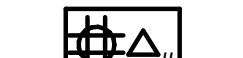











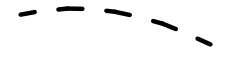

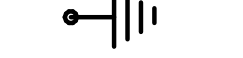












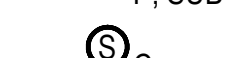







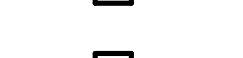









SHEET \_\_\_\_\_ OF \_\_\_\_\_



LIGHTING AND RECEPTACLE CONTROL SCHEDULE 2/2																							
ROOM NAME	ROOM NUMBER	LIGHTING CONTROL SYSTEM TYPE (NLC, SA)	CONTROLLED RECEPTACLE (C405.10)				DAYLIGHT ZONE	DAYLIGHT ZONE INFORMATION (C405.2.4)			HYBRID NETWORKED LIGHTING CONTROL (NLC) SYSTEM				STAND-ALONE (SA) LINE VOLTAGE LIGHTING CONTROL							COMMENTS	
			SWITCHED (CONTROLLED) DUPLEX RECEPTACLE	# OF SWITCH DUPLEX RECEPTACLE	# OF UNSWITCHED DUPLEX RECEPTACLE	# OF EXEMPTED DEDICATED EQUIPMENT DUPLEX RECEPTACLE		C405.2.4) DAYLIGHT ZONE AREAS EXCEEDING 2,500SF.	(C405.2.4) # OF DEDICATED DAYLIGHT SENSORS	LV SWITCH	LV OCCUPANCY OR VACANCY SENSOR (INTEGRAL OR CEILING)	LV DAYLIGHT HARVESTING PHOTOSENSOR (INTEGRAL OR CEILING)	TIME SCHEDULE	UNDER CABINET LIGHTING	COMBINATION WALL SWITCH / VACANCY SENSOR	COMBINATION WALL SWITCH / OCCUPANCY SENSOR	WALL SWITCH CONTROL (SINGLE, DOUBLE OR FOUR-WAY)	CEILING MOUNTED OCCUPANCY SENSOR	WALL SWITCH CONTROL (MOMENTARY SWITCH FOR VS)	CEILING MOUNTED VACANCY SENSOR			
MAIN SECURE ENTRYWAY	002	NLC	NO	--	--	2	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
DUTY BAG LOCKERS	002A	NLC	NO	--	--	--	NO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DUTY BAG LOCKERS	002B	NLC	NO	--	--	--	NO	--	--	--	--	--	--	--	YES	--	--	--	--	--	--	--	
BRIEFING ROOM	003	NLC	YES	15	15	5	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
REPORT WRITING	004	NLC	YES	9	9	2	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WALL OF HONOR	004A	NLC	NO	--	--	--	NO	--	--	--	--	--	--	--	YES	--	--	--	--	--	--	--	
VESTIBULE	005	NLC	NO	--	--	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
HALLWAY	007	NLC	NO	--	2	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
IS OFFICE	008	NLC	YES	4	4	--	NO	--	--	--	--	YES	--	--	--	--	--	--	--	--	--	--	
IS STORAGE	008A	NLC	NO	--	3	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
K-9 STORAGE	009	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
LIDAR STORAGE	011	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
MEN'S DECOMPR. ROOM	012	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WOMEN'S DECOMPR. ROOM	013	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
LACTATION ROOM	014	NLC	NO	--	3	1	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
LAUNDRY DROP-OFF RETURN	015	NLC	NO	--	2	1	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
FACILITIES / MAINTENANCE OFFICE	016	NLC	YES	4	4	1	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
STORAGE / LOADING BAY	016A	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
ARMORY	017	NLC	NO	--	5	--	NO	--	--	--	--	YES	YES	--	--	YES	--	--	--	--	--	--	
GUN CLEANING STATIONS	017A	NLC	NO	--	7	--	NO	--	--	--	--	YES	YES	--	--	YES	--	--	--	--	--	--	
TARGET AND AMMUNITION STORAGE	017B	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
SWAT STORAGE	018	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
HALLWAY	019	NLC	NO	--	2	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
FITNESS ROOM	020	NLC	NO	--	20	10	YES	SIDE	NO	1	YES	YES	YES	--	--	--	--	--	--	--	--	--	
DT STORAGE	020A	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
MEN'S LOCKER ROOM	021	NLC	NO	--	9	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
MENS VESTIBULE	021A	NLC	NO	--	1	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
MEN'S RR / SHOWERS	021B	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
MEN'S RR / SHOWERS	021C	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
MEN'S ADA RR/SHOWERS	021D	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WOMEN'S LOCKER ROOM	022	NLC	NO	--	7	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WOMENS VESTIBULE	022A	NLC	NO	--	1	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
WOMEN'S ADA RR/SHOWERS	022B	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WOMEN'S RR / SHOWERS	022C	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WOMEN'S RR / SHOWERS	022D	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
OPERATIONS CORRIDOR	023	NLC	NO	--	2	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
FTO OFFICE	024	NLC	YES	6	6	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
FTO SERGEANT	025	NLC	YES	4	4	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
JUVENILE	026		NO	--	--	--	NO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
COFFEE ALCOVE	027	NLC	NO	--	1	5	NO	--	--	--	--	--	--	--	YES	--	--	--	--	--	--	--	
HALLWAY	028	NLC	NO	--	2	--	NO	--	--	--	--	--	--	--	YES	--	--	--	--	--	--	--	
TRAFFIC OFFICE	029	NLC	YES	4	4	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
PATROL CONFERENCE ROOM	030	NLC	YES	5	5	1	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
HALLWAY	031	NLC	NO	--	2	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
MAIL	031A	NLC	NO	--	1	--	NO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
COPY / PRINTER / SUPPLIES	032	NLC	YES	5	5	2	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
PATROL ANALYSTS / SROs	033	NLC	YES	5	5	1	YES	SIDE	NO	1	YES	YES	YES	--	--	--	--	--	--	--	--	--	
PATROL LT	034	NLC	YES	4	4	--	YES	SIDE	NO	1	YES	YES	YES	YES	--	--	--	--	--	--	--	--	
PATROL LT	035	NLC	YES	4	4	--	YES	SIDE	NO	1	YES	YES	YES	YES	--	--	--	--	--	--	--	--	
PATROL SERGEANTS	036	NLC	YES	7	7	--	YES	SIDE	NO	1	YES	YES	YES	YES	--	--	--	--	--	--	--	--	
PATROL SERGEANTS	037	NLC	YES	7	7	--	YES	SIDE	NO	1	YES	YES	YES	YES	--	--	--	--	--	--	--	--	
HALLWAY	038	NLC	NO	--	--	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
RIOT GEAR ALCOVE	038A	NLC	NO	--	--	--	NO	--	--	--	--	--	YES	--	YES	--	--	--	--	--	--	--	
RIFLE STORAGE	039	NLC	NO	--	1	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
LESS-THAN-LETHAL STORAGE	040	NLC	NO	--	3	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
RESTROOM	041	NLC	NO	--	1	--	NO	--	--	--	--	--	--	--	--	--	YES	--	--	--	--	--	
EVIDENCE PACKAGING	042	NLC	NO	--	6	1	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
LARGE EVIDENCE DROP	043	NLC	NO	--	1	--	NO	--	--	--	--	--	YES	--	--	--	--	--	--	--	--	--	
EVIDENCE PROCESSING	044	NLC	NO	--	10	1	NO	--	--	--	--	YES	YES	--	--	YES	--	--	--	--	--	--	
EVIDENCE SUPPLY STORAGE	045	NLC	NO	--	11	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
EVIDENCE TECHNICIAN	046	NLC	YES	10	10	--	YES	SIDE	NO	1	YES	YES	YES	YES	--	--	--	--	--	--	--	--	
BULK EVIDENCE STORAGE	047	NLC	NO	--	3	3	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
DRUG / MONEY STORAGE	047A	NLC	NO	--	2	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
WEAPON EVIDENCE STORAGE	047B	NLC	NO	--	--	--	NO	--	--	--	--	YES	YES	--	--	--	--	--	--	--	--	--	
VEHICLE STORAGE / PROCESSING BAY	048	NLC	NO	--	16	--	NO	--</															



SYSTEMS LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
NETWORK INFRASTRUCTURE		ACCESS CONTROL SYSTEM	
	TELECOMMUNICATIONS OUTLET - WALL MOUNT WITH (2) ACTIVE DATA PORTS AND (2) CAT6 CABLES (4/S BOX WITH SINGLE-GANG MUDRING AND COVER PLATE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +18" AFF UNLESS NOTED OTHERWISE. ("C" INDICATES ABOVE COUNTER) - MOUNT OUTLETS IN CASEWORK/FURNITURE AND COORDINATE WITH THE CASEWORK INSTALLER PRIOR TO ROUGH-IN ("TV" INDICATES (4) ACTIVE DATA PORTS AND (4) CAT6 CABLES MOUNTED IN THE RECESSED AV BACKBOX BEHIND MONITOR. SEE AV ELEVATIONS FOR HEIGHTS AND LOCATIONS) (# INDICATES QUANTITY OF DATA PORTS AND CABLES, IF DIFFERENT THAN 2). REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.		ACCESS CONTROL PANEL - SURFACE MOUNT +48" AFF IN CENTRAL LOCATIONS AS SHOWN ON PLANS. SIZE EACH COMBINATION ACP/POWER SUPPLY AS REQUIRED FOR THE QUANTITY OF DOORS AND CONTROL BOARD DEVICES.
	TELECOMMUNICATIONS COMBINATION OUTLET - WALL MOUNT WITH (6) ACTIVE DATA PORTS, (2) CAT6A CABLES, (4) CAT6 CABLES ("TV" INDICATES MOUNTED IN THE RECESSED AV BACKBOX BEHIND MONITOR. SEE AV ELEVATIONS FOR HEIGHTS AND LOCATIONS). REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.		ACCESS CONTROL POWER SUPPLY OR ALL IN ONE SOLUTION. COORDINATE WITH EC FOR POWER LOCATION.
	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - WALL MOUNT OFCI WAP AND ENCLOSURE (EXTERIOR AND GYM ONLY) AT HEIGHT SHOWN. PROVIDE (1) 1" CONDUIT TO THE NEAREST ACCESSIBLE CEILING WITH (2) ACTIVE DATA PORTS AND (2) CAT6A CABLES. SEE THE TELECOMMUNICATIONS /SYSTEMS DETAILS FOR ADDITIONAL REQUIREMENTS. (W INDICATES WEATHER PROOF). EXTERIOR WAP ENCLOSURES ARE OFCI. INTERIOR GYM WAP ENCLOSURES ARE CFCL.		CARD READER - WALL MOUNT TO SINGLE-GANG BOX FLUSH TO WALL SURFACE. MOUNT AT +48" TO TOP UNLESS NOTED.
	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - CEILING MOUNT. LOCATE (2) CAT6A CABLES ABOVE ACCESSIBLE CEILING. SEE THE TELECOMMUNICATIONS/SYSTEMS DETAILS FOR ADDITIONAL REQUIREMENTS.		DOOR PUSH BUTTON WITH CUSTOM TEXT LABEL - PROGRAM TO TOGGLE TO LOCK/UNLOCK STATUS WITH RED/GREEN LED FEEDBACK. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING AND (1) 1/2" C. TO THE NEAREST ACCESSIBLE CEILING. ("M" INDICATES MULLION MOUNT).
	COMBINATION FLOOR BOX, FOURPLEX RECEPTACLE AND DATA JUNCTION BOX WITH (1) SEPARATE 1-1/4" CONDUIT FOR TELECOMMUNICATIONS OUTLET ROUTED UP TO THE ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. FLOOR BOXES ON THE GROUND FLOOR SHALL HAVE WET LOCATION RATED DATA CABLES ROUTED DIRECTLY TO THE TELECOMMUNICATIONS ROOM UNDER SLAB. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.		DOOR RELEASE - PROVIDE SINGLE GANG BACK BOX AND (1) 1/2" C. TO ACCESSIBLE CEILING. COORDINATE WITH FURNITURE INSTALLER FOR DESK INTEGRATION.
	TELECOMMUNICATIONS TELEPHONE OUTLET - WALL MOUNT WITH (1) PHONE JACK AND (1) CAT6 CABLE (4/S BOX WITH SINGLE GANG MUDRING AND STAINLESS STEEL COVER PLATE WITH MOUNTING STUDS FOR WALL MOUNT TELEPHONE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +48" AFF, UNLESS NOTED OTHERWISE. (S INDICATES SURFACE MOUNT)		DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN [FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM]). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING VENDOR. COORDINATE WITH ALL TRADES, AS REQUIRED.
	CABLE TRAY - 18"W LADDER STYLE - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		ELECTRIFIED EXIT DEVICE BY DIVISION 8. DIVISION 28 TO PROVIDE WIRING AND CONNECTIONS.
	BUILDING ENTRANCE TERMINAL (PROTECTED/FUSED), PROVIDE AS SHOWN ON THE RISER, ENLARGED PLANS, AND DETAILS.		ELECTRIFIED EXIT DEVICE POWER SUPPLY OR ALL IN ONE SOLUTION. BY DIVISION 28. COORDINATE WITH EC FOR POWER.
	TELECOMMUNICATIONS MAIN GROUNDING BAR - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		REQUEST TO EXIT BUTTON - WALL MOUNT +48" AFF TO TOP. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
	TELECOMMUNICATIONS GROUNDING BAR - PROVIDE AS SHOWN ON THE FLOOR PLANS, ENLARGED PLANS, AND DETAILS.		FUTURE 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION - WALL MOUNT AT +48" TO TOP. PROVIDE SINGLE GANG WEATHER-PROOF BACKBOX AND WEATHER PROOF COVER WITH (1) 1/2" CONDUIT TO NEAREST ACCESSIBLE CEILING. PAINT TO MATCH ADJACENT SURFACE.
	BI-DIRECTIONAL AMPLIFIER - FOR D.A.S. EMERGENCY RESPONDER RADIO. LOCATE AS SHOWN ON ENLARGED FLOOR PLANS.		ELECTRONIC LOCKDOWN BUTTON - WALL MOUNT AT +48" AFF TO TOP. PROVIDE 4S BACK BOX WITH SINGLE GANG MUDRING WITH CLEAR LEXAN COVER AND (1) 3/4" C. TO THE NEAREST ACCESSIBLE CEILING.
	SERVICE PROVIDER ENTRY DEMARCATION POINT. LOCATE AS SHOWN ON THE ENLARGED PLANS AND TELECOM RISER DIAGRAM.	INTRUSION ALARM SYSTEM	
EQUIPMENT AND WIRING			INTRUSION ALARM CONTROL PANEL
	RACEWAY CONCEALED IN WALL OR CEILING		INTRUSION ALARM POWER SUPPLY
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB		DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN [FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM]). PROVIDED AND INSTALLED BY THE INTRUSION ALARM SYSTEM INSTALLING. COORDINATE WITH ALL TRADES AS REQUIRED.
	GROUNDING SYSTEM PER CODE		MOTION SENSOR - WALL MOUNT IN THE CORNER AT +96" AFF, UNLESS OTHERWISE NOTED. PROVIDE SINGLE-GANG BACKBOX WITH SINGLE-GANG BLANK COVER PLATE, WITH (1) 1" C TO ACCESSIBLE CEILING SPACE.
	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)	CCTV SYSTEM	
	4-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)		INTERIOR CCTV CAMERA - CEILING MOUNT. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT REQUIREMENTS. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE NEAREST ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
	2-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)		INTERIOR CCTV CAMERA - WALL MOUNT AT HEIGHT SHOWN. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT REQUIREMENTS. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE NEAREST ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
CATV SYSTEM			EXTERIOR CCTV CAMERA - WALL MOUNT AT HEIGHT SHOWN, UNLESS NOTED OTHERWISE. CAMERA HOUSING INSTALLATION SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT INFORMATION. PROVIDE (1) ACTIVE DATA PORT AND (1) CAT6 CABLE FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 25-FOOT SERVICE LOOP) IN THE ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
	TELEVISION OUTLET - WALL MOUNT AT + 72" AFF (UNLESS NOTED OTHERWISE). PROVIDE SINGLE-GANG MUD-RING WITH SINGLE-GANG FACEPLATE. PROVIDE THE FACEPLATE WITH THE FOLLOWING CONNECTORS AND ASSOCIATED CABLING: (1) F-CONNECTOR OUTPUT	INFORMATION DISPLAY SYSTEM	
	CABLE TELEVISION SPLITTER INFRASTRUCTURE. COORDINATE WITH OWNER AND SERVICE PROVIDER FOR OFCI COAX DISTRIBUTION AND TERMINATION IN EQUIPMENT ROOM.		OFCI INFORMATION DISPLAY VIDEO WALL SYSTEM WITH MONITORS AND OFCI MOUNTS - WALL MOUNT AT HEIGHT SHOWN ON PLANS. COORDINATE OUTLET WITH TV MOUNT MODEL. PROVIDE CHIEF PAC526FWP6 RECESSED BACKBOX AND CONDUIT AS SHOWN. LOCATE 120V RECEPTACLES IN BACKBOX KNOCK OUTS. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. MONITORS, MOUNTS, VIDEO EXTENDERS, AND CAT6 BY A/V CONTRACTOR. PROVIDE CHIEF PNR SERIES MONITOR MOUNT & PSBU VESA BRACKET.
AUDIO VISUAL SYSTEMS		DAS SYSTEM	
	SUBWOOFER COMPONENT - PROVIDE 4S BACK BOX ON WALL AT +18" AFF, SINGLE GANG MUDRING, AND ROUTE CONDUIT (1) 3/4" CONDUIT TO THE ACCESSIBLE CEILING.		DAS BI-DIRECTION AMPLIFIER (BDA) AND BATTERY SYSTEM FOR FIRST RESPONDER RADIO. LOCATE IN MDF (LEVEL 2) AS SHOWN. CONNECT TO FIRE ALARM SYSTEM MONITORING POINTS AS REQUIRED BY CODES AND LOCAL AHJ.
	WALL MOUNTED LOUDSPEAKER WITH MOUNTING BRACKETS		DAS BDA REMOTE ANNUNCIATOR FOR STATUS MONITORING. LOCATE AS SHOWN OR AS REQUIRED BY CODES AND LOCAL AHJ.
	2-WAY LOUDSPEAKER - PENDANT MOUNT. PROVIDE (1) 1/2" CONDUIT BETWEEN SPEAKERS AND (1) 1/2" HOME RUN CONDUIT TO SOUND SYSTEM RACK ROOM.	MISCELLANEOUS	
	SUBWOOFER - PENDANT MOUNT. PROVIDE A DEDICATED (1) 1/2" CONDUIT TO SOUND SYSTEM RACK ROOM.		CONSTRUCTION NOTES
	2-WAY LOUDSPEAKER - CEILING/FLUSH MOUNT. PROVIDE (1) 1/2" CONDUIT BETWEEN SPEAKERS AND (1) 1/2" CONDUIT HOME RUN TO SOUND SYSTEM RACK ROOM.		DOOR NUMBER
	7" TOUCH SCREEN CONTROL PANEL FOR VIDEO AND SOUND SYSTEM - WALL MOUNT +48" AFF TO TOP OF CONTROL PANEL. PROVIDE CONDUIT SHOWN TO SOUND SYSTEM RACK. PROVIDE MANUFACTURER BACK BOX PRIOR TO ROUGH IN UNLESS SPECIFIED OTHERWISE. PROVIDE RECESSED BOX AND COVER WHERE NOTED ON PLANS. CAT6 BY A/V CONTRACTOR.		DETAIL CALL OUT - "1" INDICATES DETAIL IDENTIFICATION, "A101" INDICATES SHEET DRAWN ON
	BUTTON/ENCODER CONTROL PANEL FOR SOUND SYSTEM - WALL MOUNT +48" AFF TO TOP OF CONTROL PANEL. PROVIDE CONDUIT SHOWN TO SOUND SYSTEM RACK. PROVIDE MANUFACTURER BACK BOX PRIOR TO ROUGH IN UNLESS SPECIFIED OTHERWISE. PROVIDE RECESSED BOX AND COVER WHERE NOTED ON PLANS. CAT6 BY A/V CONTRACTOR.		ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	CEILING ARRAY MICROPHONE LOCATION FOR SOUND SYSTEM - CEILING MOUNT. WHERE CEILING IS NOT ACCESSIBLE: PROVIDE SINGLE GANG BACKBOX AND (1) 1/2" CONDUIT TO THE ACCESSIBLE CEILING SPACE OR RACK ROOM.		FIRE RATED WALL - ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE MADE WITH A UL LISTED MECHANICAL ASSEMBLY (STI FIRESTOP E.Z. PATH OR APPROVED EQUAL) PROVIDED WITH 50% SPARE CAPACITY, EXCEPT WHERE CONDUIT SLEEVES ARE SPECIFICALLY SHOWN.
	TELECONFERENCE PTZ (PAN/TILT/ZOOM) IP CAMERA		TELECOMMUNICATIONS ROOM TERMINATION (TR) INDICATOR (WHERE SHOWN) ALL HORIZONTAL CABLING SHALL TERMINATE AT THE TR INDICATED, UNLESS NOTED OTHERWISE. WHERE ONLY ONE TR IS SHOWN, ALL HORIZONTAL CABLING SHALL TERMINATE TO THAT TR, UNLESS NOTED OTHERWISE.
	FLOOR-MOUNT 19" RACK/ENCLOSURE FOR VIDEO AND/OR SOUND SYSTEM WHERE NOTED (ARROW INDICATES AIRFLOW AT FRONT OF RACK).		ELECTRICAL POWER PANELS SHOWN FOR REFERENCE ON TELECOMM/ SYSTEMS DRAWINGS
	INTERCOM WALL PANEL - WALL MOUNT AT +4" AFF UNLESS NOTED OTHERWISE. PROVIDE BACKBOX PER MANUFACTURER REQUIREMENTS. ROUTE (1) 1/2" CONDUIT SHOWN TO THE ACCESSIBLE CEILING.		
	ON AIR SIGN (12VDC) - WALL MOUNT AT +9" AFF. PROVIDE BACKBOX PER MANUFACTURER REQUIREMENTS. ROUTE (1) 1/2" CONDUIT SHOWN TO THE ACCESSIBLE CEILING.		
	CATV OUTLET - WALL MOUNT AT HEIGHT SHOWN. PROVIDE 4S BACKBOX, SINGLE GANG MUDRING, (1) 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING, (1) RG-6 CABLE, TERMINATED WITH F-CONNECTOR ON BOTH ENDS, AND F-CONNECTOR PLATE. HOMERUN CABLE TO THE TELECOM BACKING BOARD, PROVIDE 10' SERVICE LOOP, AND PROVIDE SPLITTER/AMPLIFIER INFRASTRUCTURE.		
	OFCI DISPLAY MONITOR AND CFCL ARTICULATING SWIVEL/TILT WALL MOUNT - SEE PLANS FOR SIZES AND LOCATIONS.		

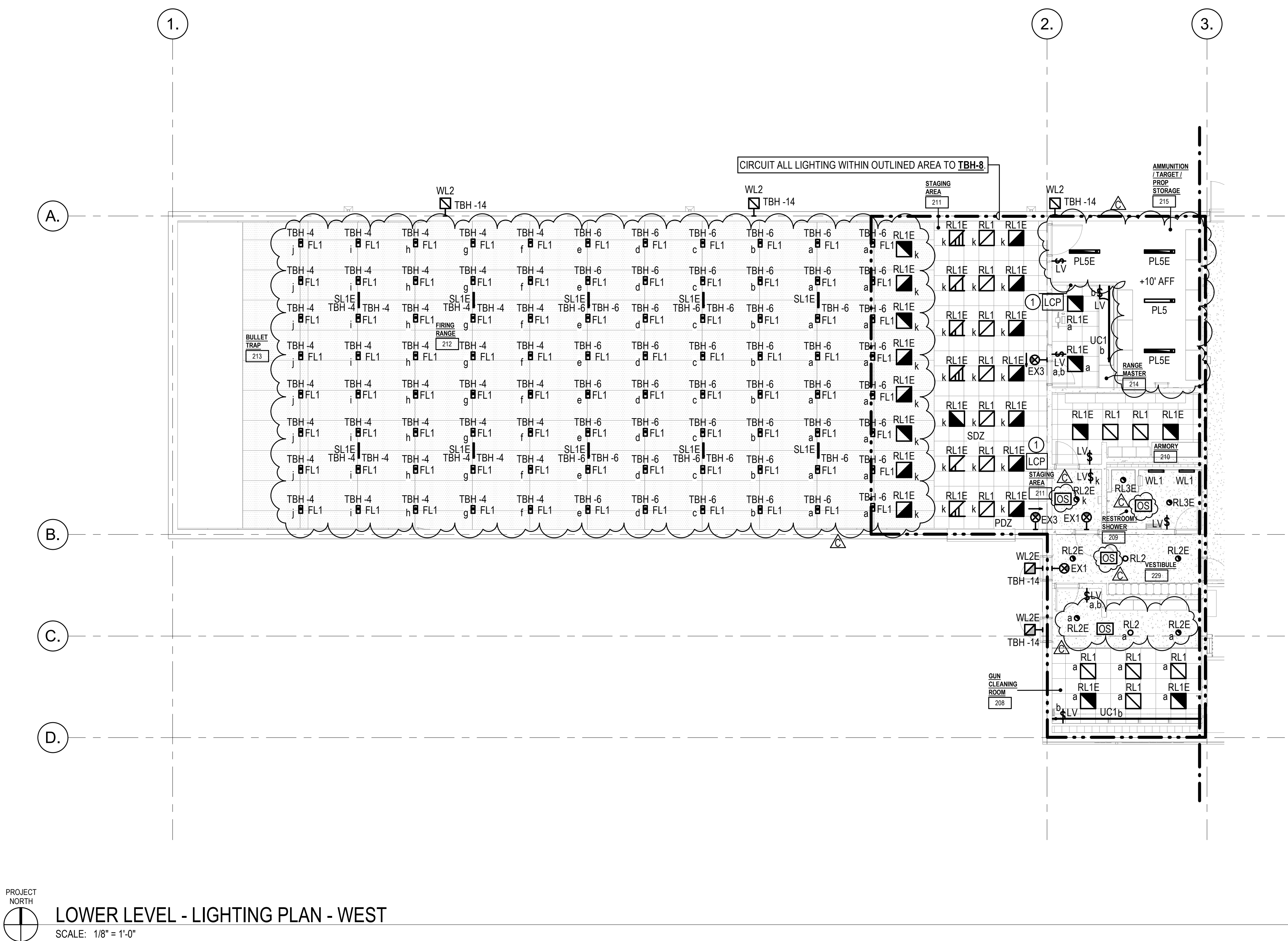


GENERAL NOTES

- THIS FLOORPLAN SHEET REPRESENTS THE FINAL, COMPLETE BUILD-OUT OF THE TRAINING BUILDING, INCLUDING ALL WORK ASSOCIATED WITH ADDITIVE ALTERNATES NO. 1B, 1C, AND 1D. REFER TO SHEET 040-1 FOR ADDITIONAL SCOPE DEFINITIONS.
- EMERGENCY LIGHTS SERVED WITH INTEGRAL BATTERY PACKS.

CONSTRUCTION NOTES

- FIRING RANGE LIGHTING CONTROL TOUCH PANEL FOR CONTROL OF ALL STAGING AREA AND FIRING RANGE LIGHTING - FRESCO FCS-7TSN-DBL, OR EQUAL. CONTROL PANEL SHALL BE ABLE TO CONTROL EACH LIGHTING ZONE INDIVIDUALLY, WITH PROGRAMMABLE SCENES AND TIME SCHEDULING FUNCTIONALITY.



NEW POLICE STATION - TRAINING BUILDING

CITY OF LACEY  
200 COLLEGE STREET, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30" x 42"  
HALF SIZE REDUCTIONS = 15" x 21"  
REVISIONS:  
C ADDENDUM 3 10/25/23

DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
**E-121a**  
LIGHTING PLAN WEST

SHEET \_\_\_\_\_ OF \_\_\_\_\_

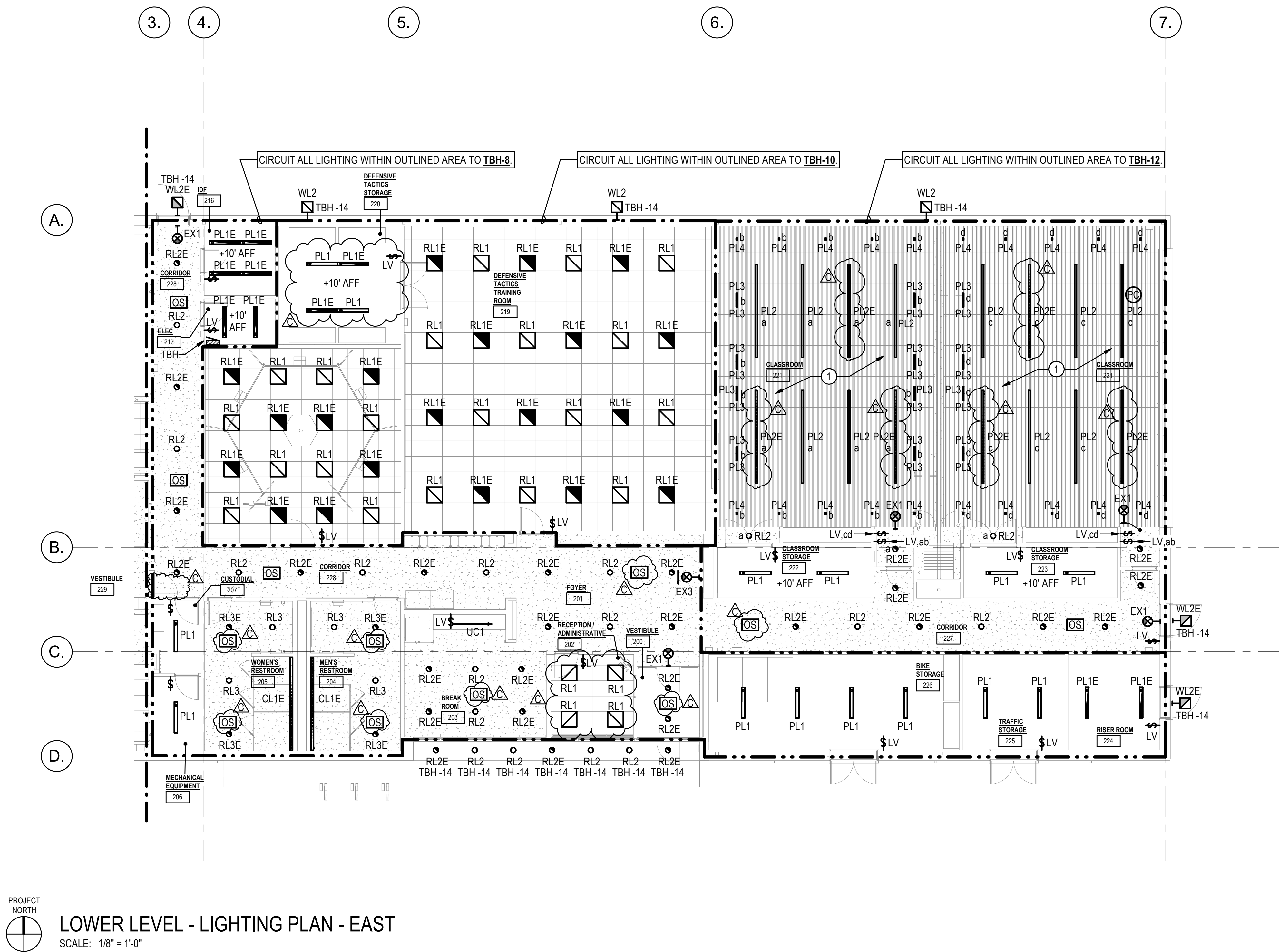


GENERAL NOTES

- THIS FLOORPLAN SHEET REPRESENTS THE FINAL, COMPLETE BUILD-OUT OF THE TRAINING BUILDING, INCLUDING ALL WORK ASSOCIATED WITH ADDITIVE ALTERNATES NO. 1B, 1C, AND 1D. REFER TO SHEET 0401a FOR ADDITIONAL SCOPE DEFINITIONS.
- EMERGENCY LIGHTS SERVED WITH INTEGRAL BATTERY PACKS.
- CLASSROOM 221 LIGHTING SHALL BE INTEGRATED WITH THE ROOM AUDIO VISUAL SYSTEM FOR ON / OFF / DIM CONTROL FUNCTIONALITY THROUGH THE AV TOUCH SCREEN. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE SYSTEM.

CONSTRUCTION NOTES

- FIRING RANGE LIGHTING CONTROL TOUCH PANEL. FOR CONTROL OF ALL STAGING AREA AND FIRING RANGE LIGHTING - FRESKO FCS-7TSN-DBL OR EQUAL. CONTROL PANEL SHALL BE ABLE TO CONTROL EACH LIGHTING ZONE INDIVIDUALLY, WITH PROGRAMMABLE SCENES AND TIME SCHEDULING FUNCTIONALITY.
- PROVIDE LIGHTING CONTROL INTEGRATION WITH THE AV SYSTEM TOUCH SCREEN. SEE AV SYSTEM DETAILS AND LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.



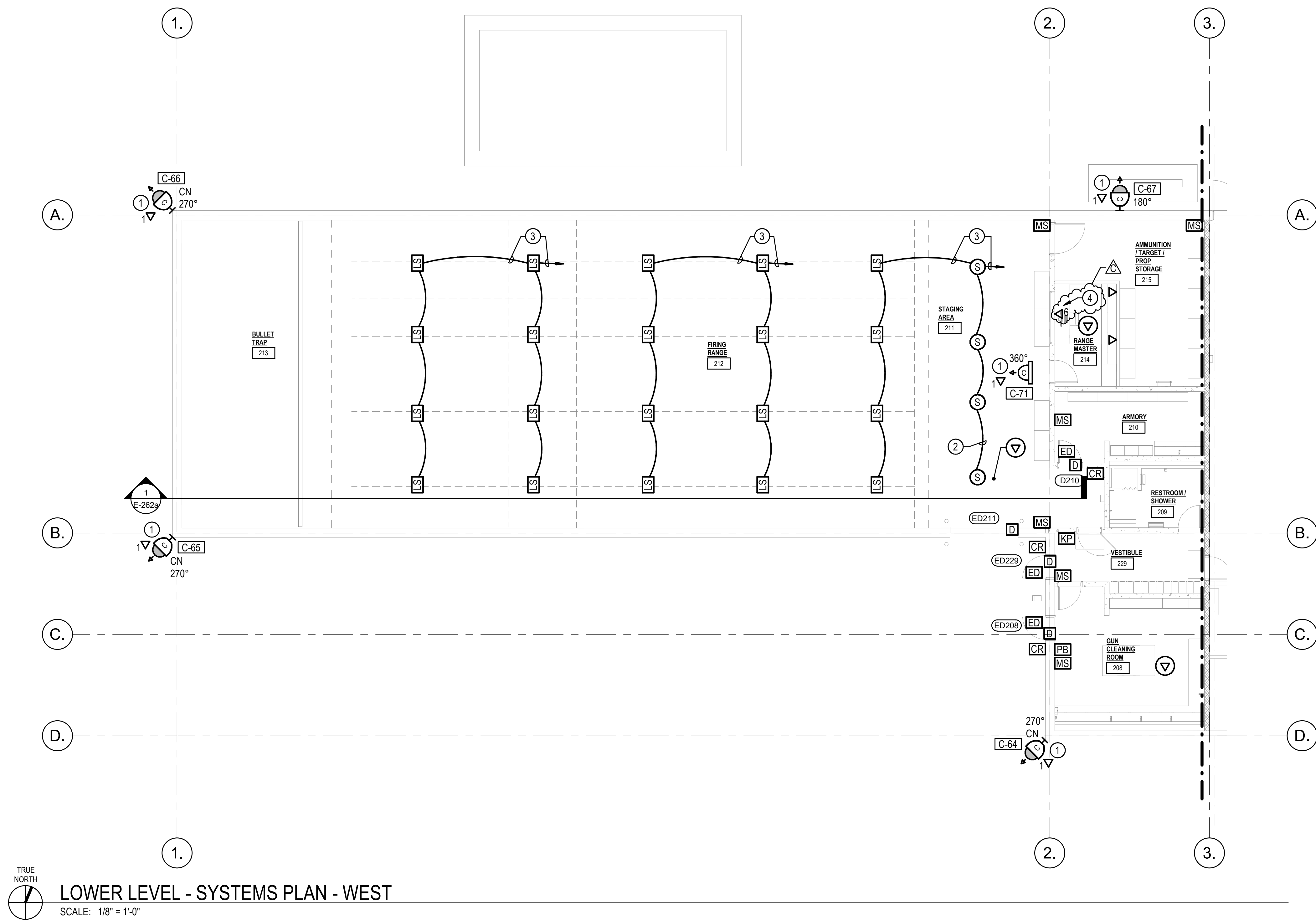


GENERAL NOTES

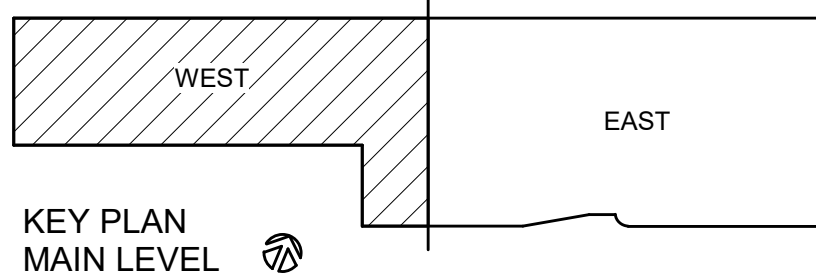
- THIS FLOORPLAN SHEET REPRESENTS THE FINAL, COMPLETE BUILD-OUT OF THE TRAINING BUILDING, INCLUDING ALL WORK ASSOCIATED WITH ADDITIVE ALTERNATES NO. 1B, 1C, AND 1D. REFER TO SHEET G401a FOR ADDITIONAL SCOPE DEFINITIONS.

CONSTRUCTION NOTES

- PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA LOCATION.
- PROVIDE (1) 1/2" CONDUIT CONCEALED IN CEILING BETWEEN SPEAKERS.
- PROVIDE (1) 3/4" CONDUIT & HOME RUN TO THE ACCESSIBLE CEILING IN RANGE MASTER 214. PROVIDE JUNCTION BOXES AS REQUIRED BY NEC.
- IP/POE PAGING CONSOLE PROVIDED AND INSTALLED BY AV VENDOR FOR FIRING RANGE



TRUE NORTH  
**LOWER LEVEL - SYSTEMS PLAN - WEST**  
SCALE: 1/8" = 1'-0"



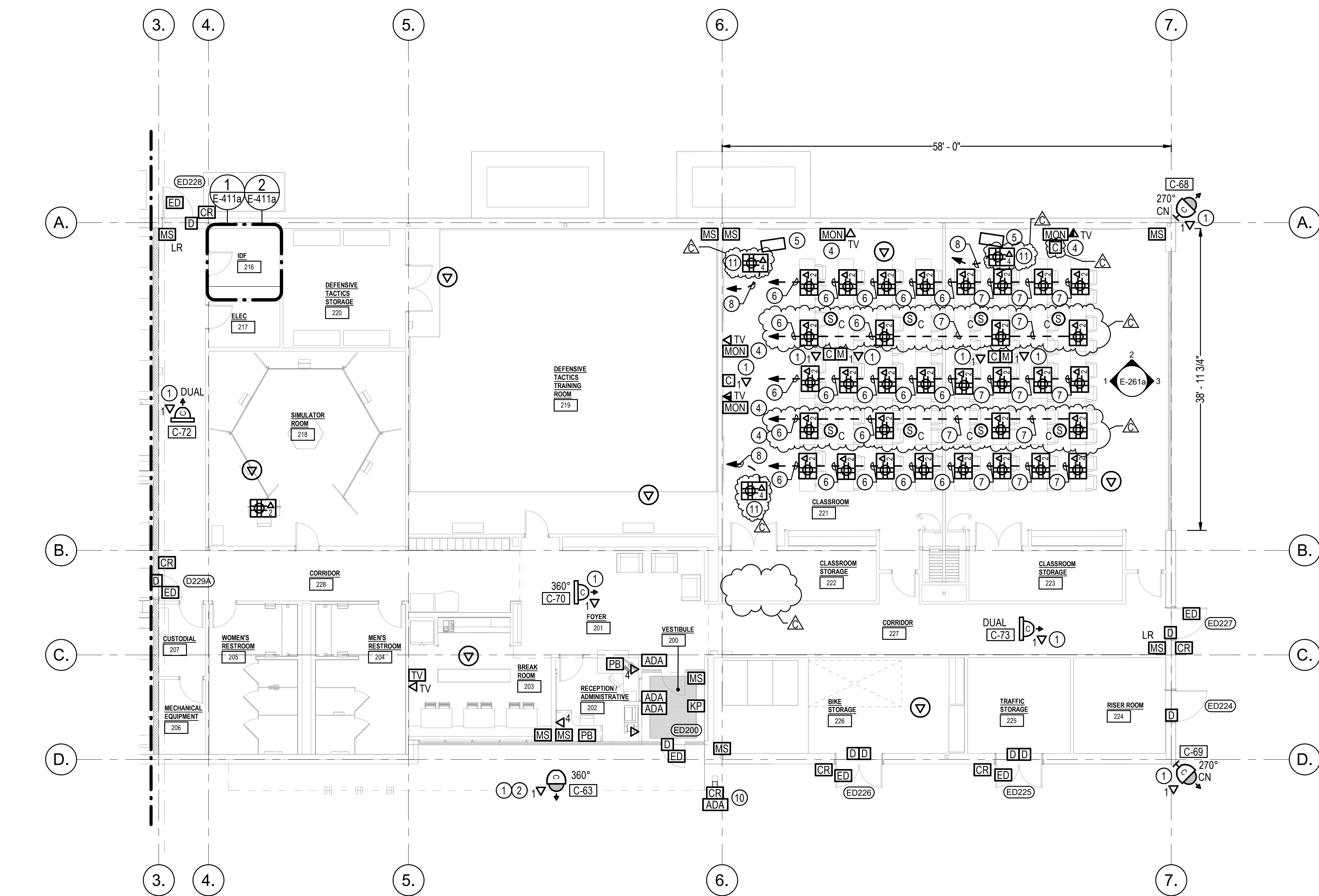


GENERAL NOTES

- THIS FLOORPLAN SHEET REPRESENTS THE FINAL, COMPLETE BUILD-OUT OF THE TRAINING BUILDING, INCLUDING ALL WORK ASSOCIATED WITH ADDITIVE ALTERNATES NO. 1B, 1C, AND 1D. REFER TO SHEET G401a FOR ADDITIONAL SCOPE DEFINITIONS.

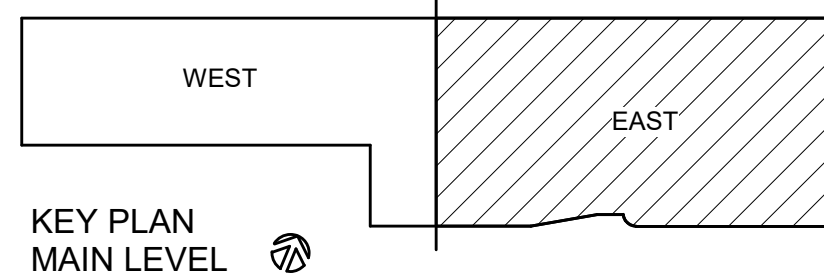
CONSTRUCTION NOTES

- PROVIDE (1) CAT6 CABLE AND JACK FOR EACH CCTV CAMERA AND AV DEVICE LOCATION.
- MOUNT CAMERA TO UNDERSIDE OF CANOPY. RECESS BACK BOX AND CONCEAL CONDUIT IN SOFFIT ABOVE.
- WALL MOUNTED 65" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- WALL MOUNTED 100" TV / DISPLAYS WITH ARTICULATING SWIVEL/TILT WALL MOUNT
- ROLLING PODIUM WITH 19" AV RACK & EQUIPMENT. CONNECT TO ANY S11 PLATE IN FLOOR BOX.
- PROVIDE 2" C. ROUTED UNDERGROUND FROM FLOOR BOX TO IDF 216.
- PROVIDE 1-1/2" C. ROUTED UNDERGROUND BETWEEN FLOOR BOXES.
- PROVIDE 1-1/4" C. ROUTED UNDERGROUND FROM FLOOR BOX TO IDF 216.
- PROVIDE 1" C. ROUTED UNDERGROUND BETWEEN FLOOR BOXES.
- CARD READER AND ADA ACTUATOR LOCATED ON BOLLARD. PROVIDE 1" C. TO NEAREST CEILING SPACE.
- PROVIDE (4) CAT6A FROM THE MDF TO THE INDICATED FLOOR BOXES.



LOWER LEVEL - SYSTEMS PLAN - EAST

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



NEW POLICE STATION - TRAINING BUILDING

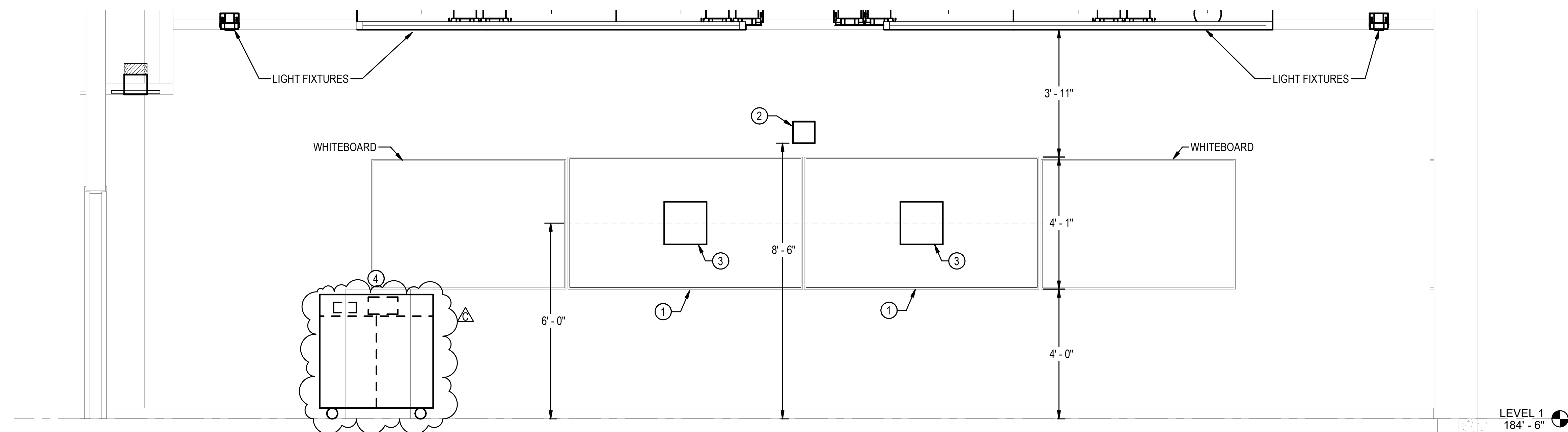
CITY OF LACEY  
200 COLLEGE STREET, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21  
REVISIONS:  
C ADDENDUM 3 10/26/2023

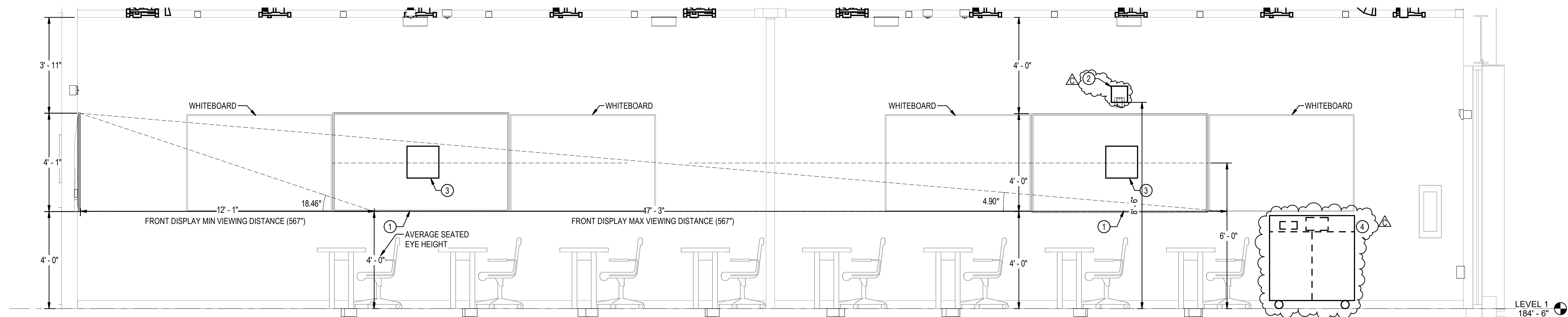
DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
**E-142a**  
SYSTEMS PLAN EAST

SHEET \_\_\_\_\_ OF \_\_\_\_\_

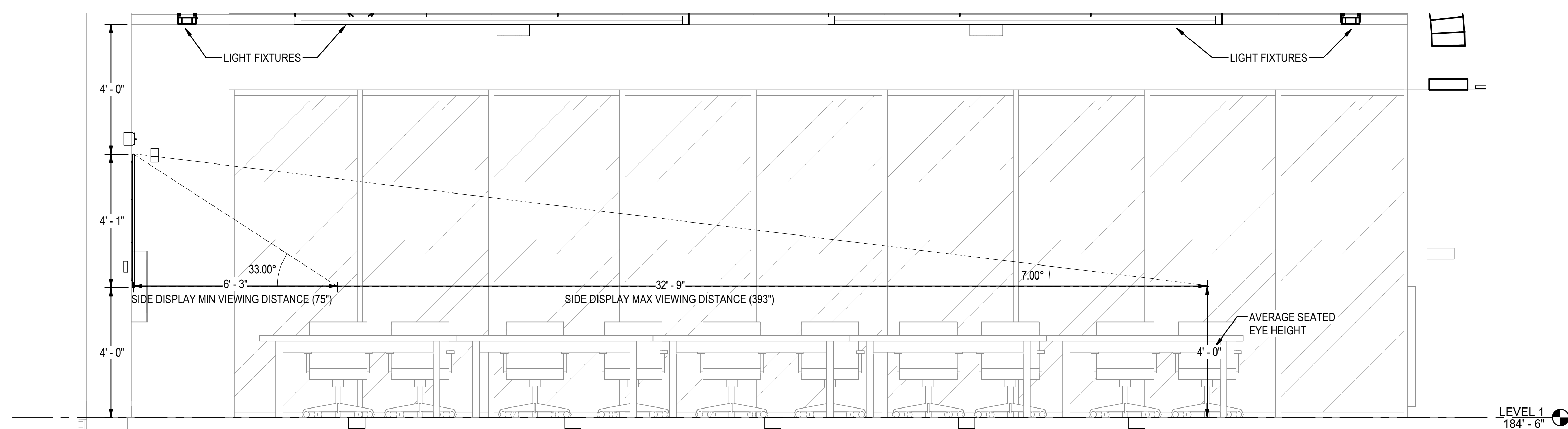




1 CLASSROOM 221 WEST WALL ELEVATION  
1/2" = 1'-0"

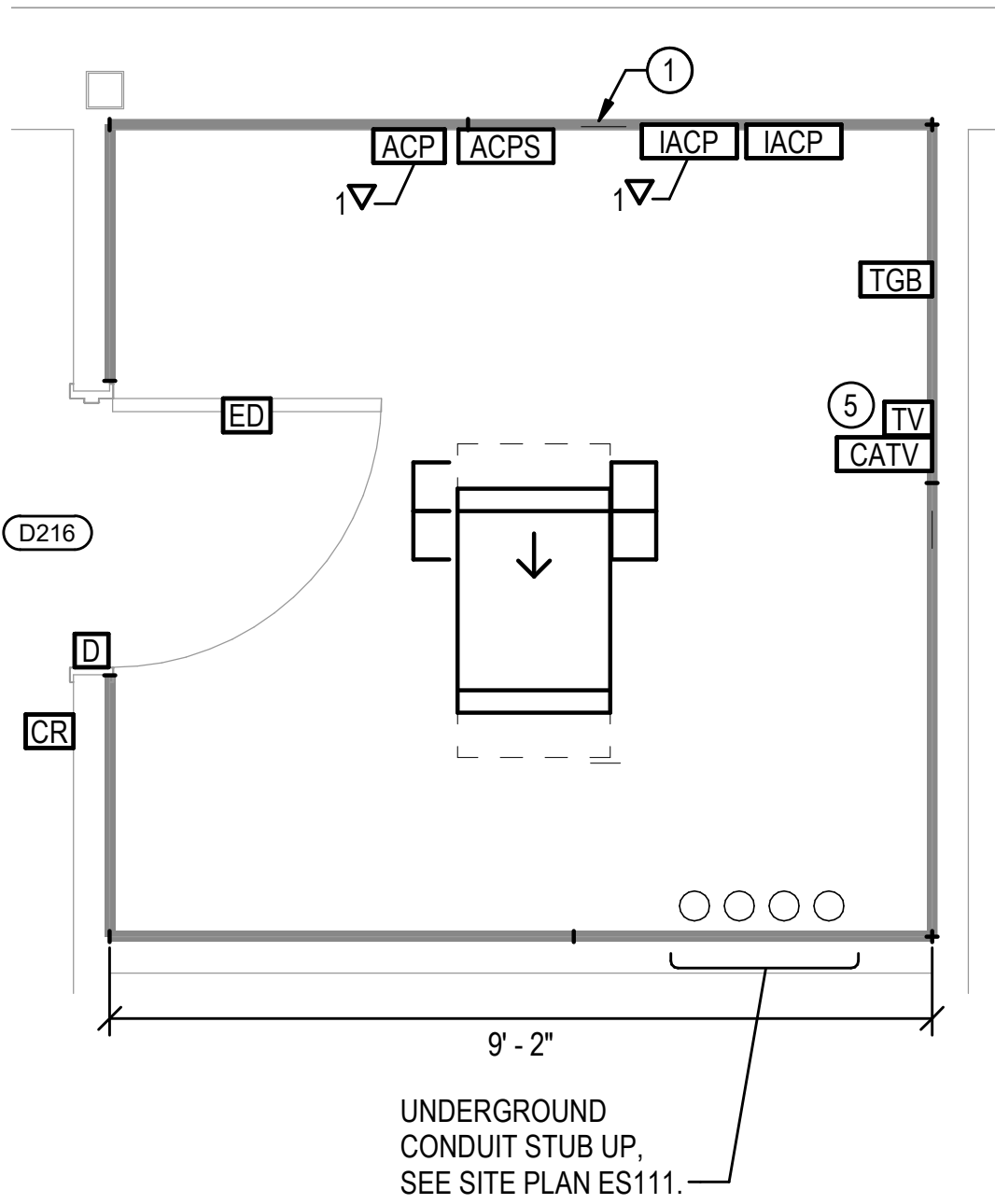


2 CLASSROOM 221 NORTH WALL ELEVATION  
1/2" = 1'-0"

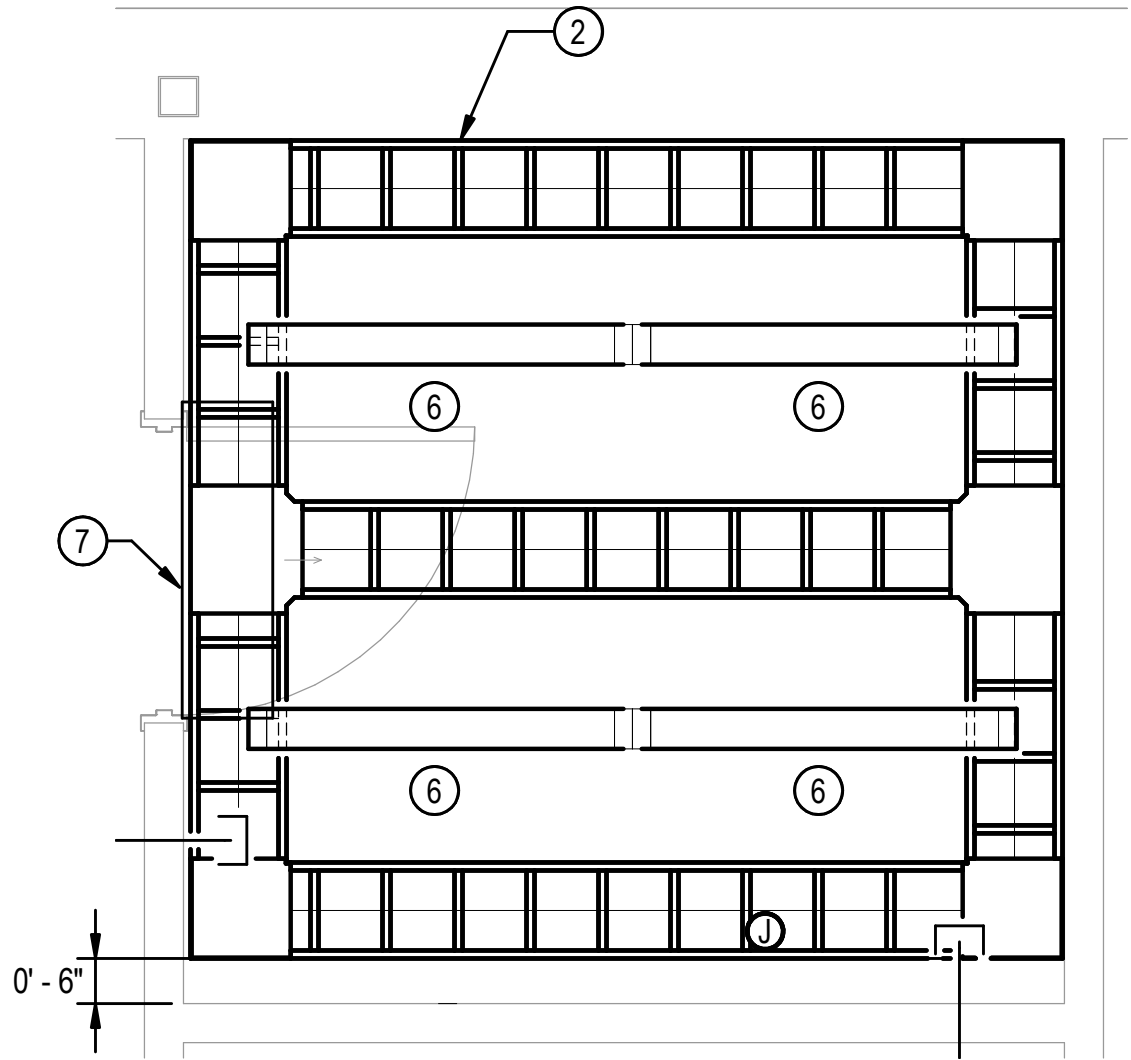


3 CLASSROOM 221 EAST WALL ELEVATION  
1/2" = 1'-0"

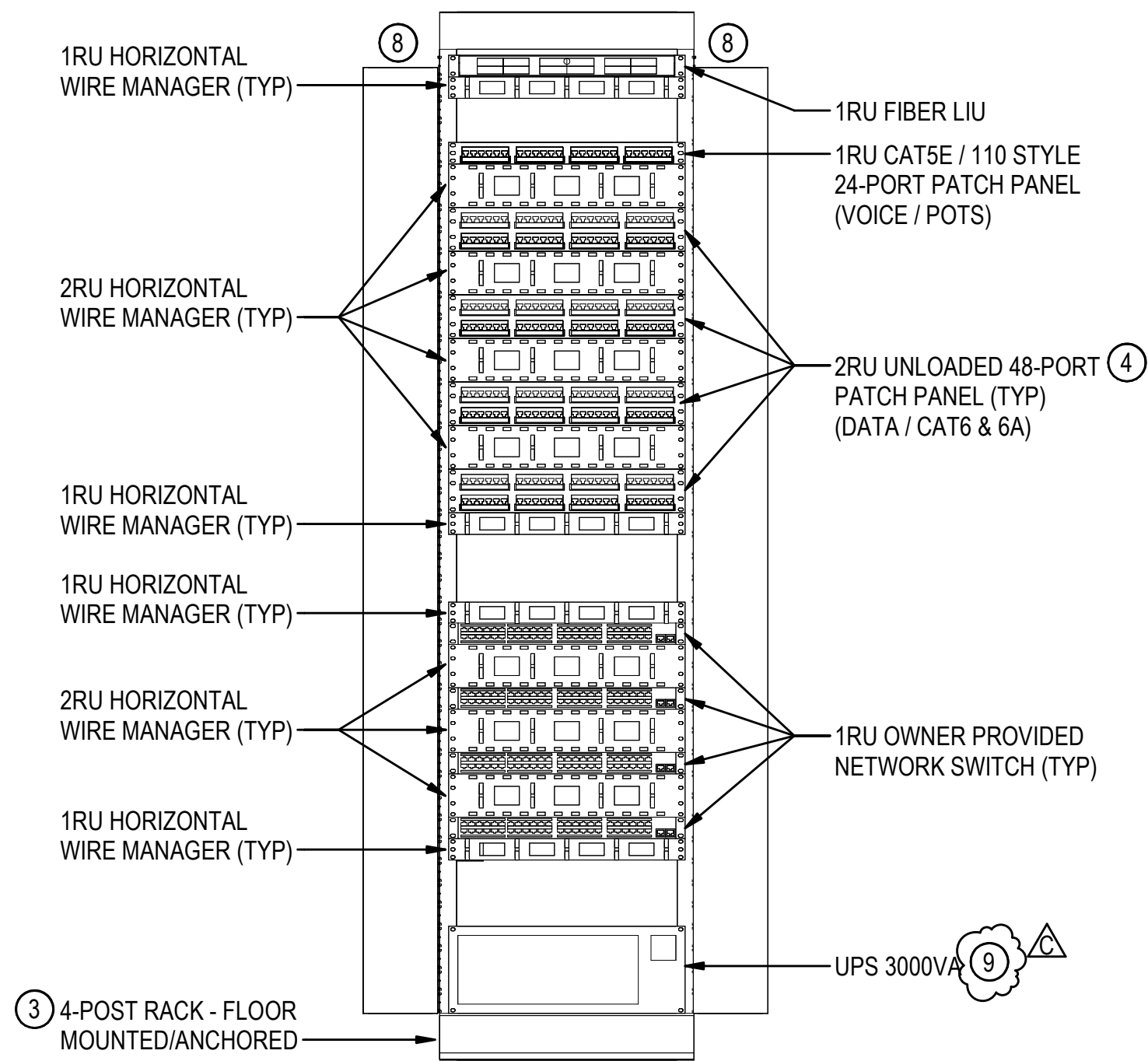




1 TRAINING IDF FLOOR PLAN  
1/2" = 1'-0"



2 TRAINING IDF CEILING PLAN  
1/2" = 1'-0"



3 TRAINING IDF RACK ELEVATION  
N.T.S.

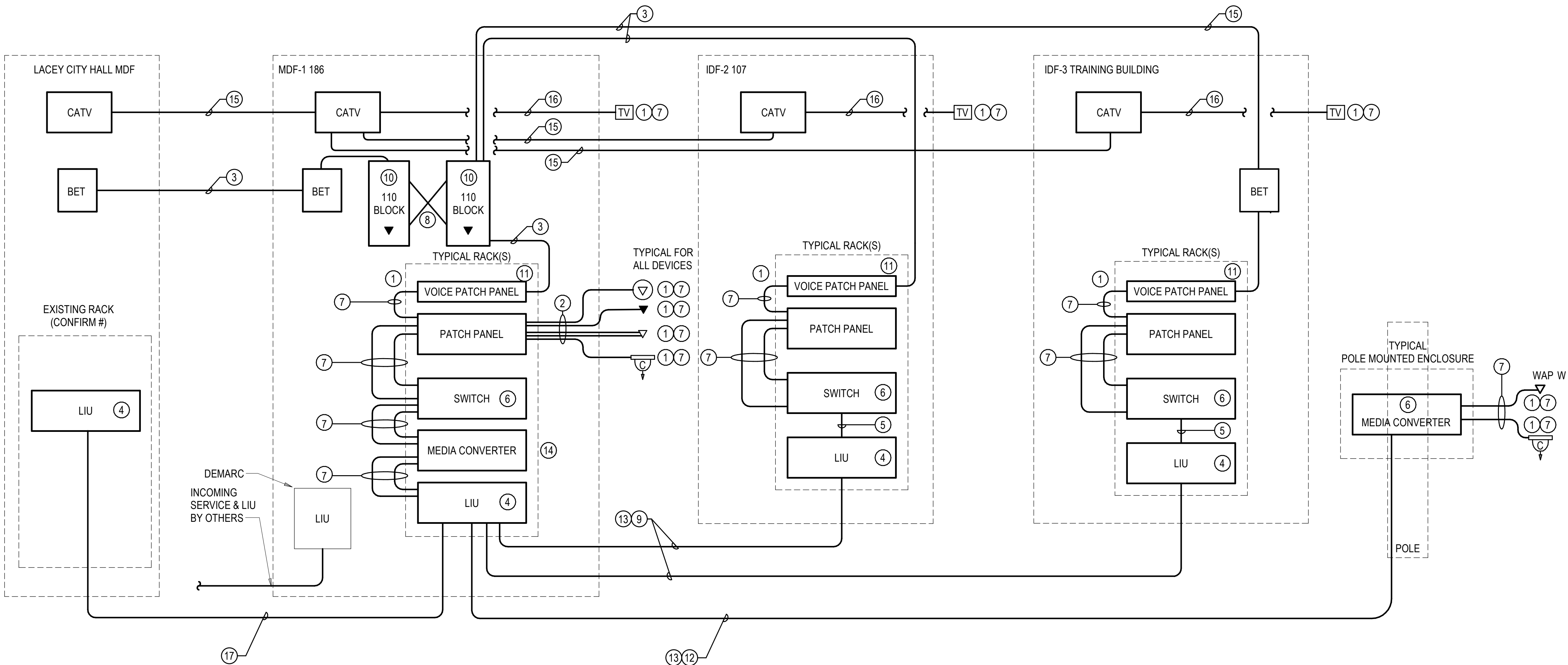
#### GENERAL NOTES

- THIS FLOOR PLAN SHEET REPRESENTS THE FINAL, COMPLETE BUILD-OUT OF THE TRAINING BUILDING, INCLUDING ALL WORK ASSOCIATED WITH ADDITIVE ALTERNATES NO. 1B, 1C, AND 1D. REFER TO SHEET G401a FOR ADDITIONAL SCOPE DEFINITIONS.

#### CONSTRUCTION NOTES

- PROVIDE 4'X8' FIRE RATED BACKING BOARD ON ALL 4 WALLS AND COATED WITH WHITE PAINT EXCEPT FOR FIRE RATING LABELS. START AT 0'-6" AFF AND END AT 8'-6" AFF.
- PROVIDE 12" LADDER CABLE TRAY AT +7'-4" AFF.
- RACK ELEVATIONS ARE DIAGRAMMATIC. PROVIDE SEPARATE PATCH PANELS FOR EACH SYSTEM PER SPECIFICATIONS. TERMINATE CATEGORY RATED CABLING AS DESCRIBED IN NOTE 4. PROVIDE SPARE CAPACITY PER SPECIFICATIONS.
- STRUCTURED CABLING LABELING/NUMBERING IN ANY GIVEN ROOM STARTS AT THE FIRST CABLE/PORT LOCATION CLOSEST TO THE MAIN ENTRY DOOR OF THE ROOM AND WORKS AROUND THE ROOM CLOCKWISE TO INCLUDE ALL DEVICES. FOR EXAMPLE: DATA LOCATIONS, WAP, CCTV, AV, AND SECURITY.
- LOCATE COAX OUTLET ON BACKING BOARD. COORDINATE WITH THE AV INSTALLER FOR EXACT LOCATION PRIOR TO INSTALLATION.
- LIGHT FIXTURE - SHOWN FOR REFERENCE ONLY.
- MECHANICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.
- PROVIDE 6" DOUBLE SIDED VERTICAL WIRE MANAGERS AND ADDITIONAL CABLE MANAGEMENT PER SPEC.
- PROVIDE UPS PER 272000.





1 TELECOMMUNICATIONS RISER DIAGRAM  
N.T.S

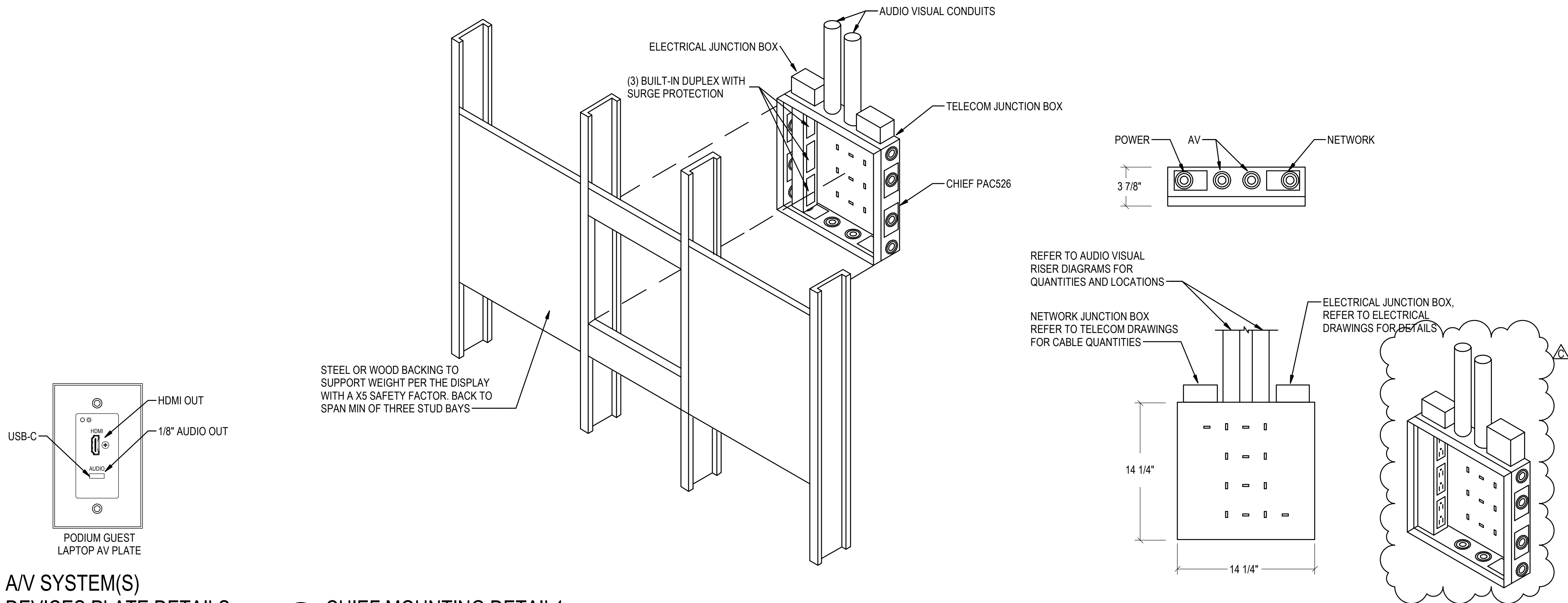
GENERAL NOTES

1. THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.
2. THE PATCH PANELS ARE ONLY SHOWN ONCE. IN ORDER TO SIMPLIFY THIS DIAGRAM, PROVIDE ALL CABLING AND EQUIPMENT AS SPECIFIED, AS REQUIRED BASED ON THE QUANTITIES OF DEVICES SHOWN ON THE FLOOR PLANS).
3. FOR THE SAKE OF ILLUSTRATION, ACTUAL LOCATION OF PATCH PANELS IN THE RACK IS DIAGRAMMATIC, AND NOT NECESSARILY WHERE THE DEVICES ARE TO BE MOUNTED.
4. CABLING AND EQUIPMENT PROVIDED BY THE "DATA AND VOICE INFRASTRUCTURE" INSTALLING VENDOR, UNLESS NOTED OTHERWISE.
5. RACKS, BALANCED TWISTED PAIR CABLING, PATCH PANELS, PUNCH DOWN BLOCKS, AND OTHER RELATED APPURTENANCES SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY THE TELECOMMUNICATIONS INSTALLING CONTRACTOR
6. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

CONSTRUCTION NOTES

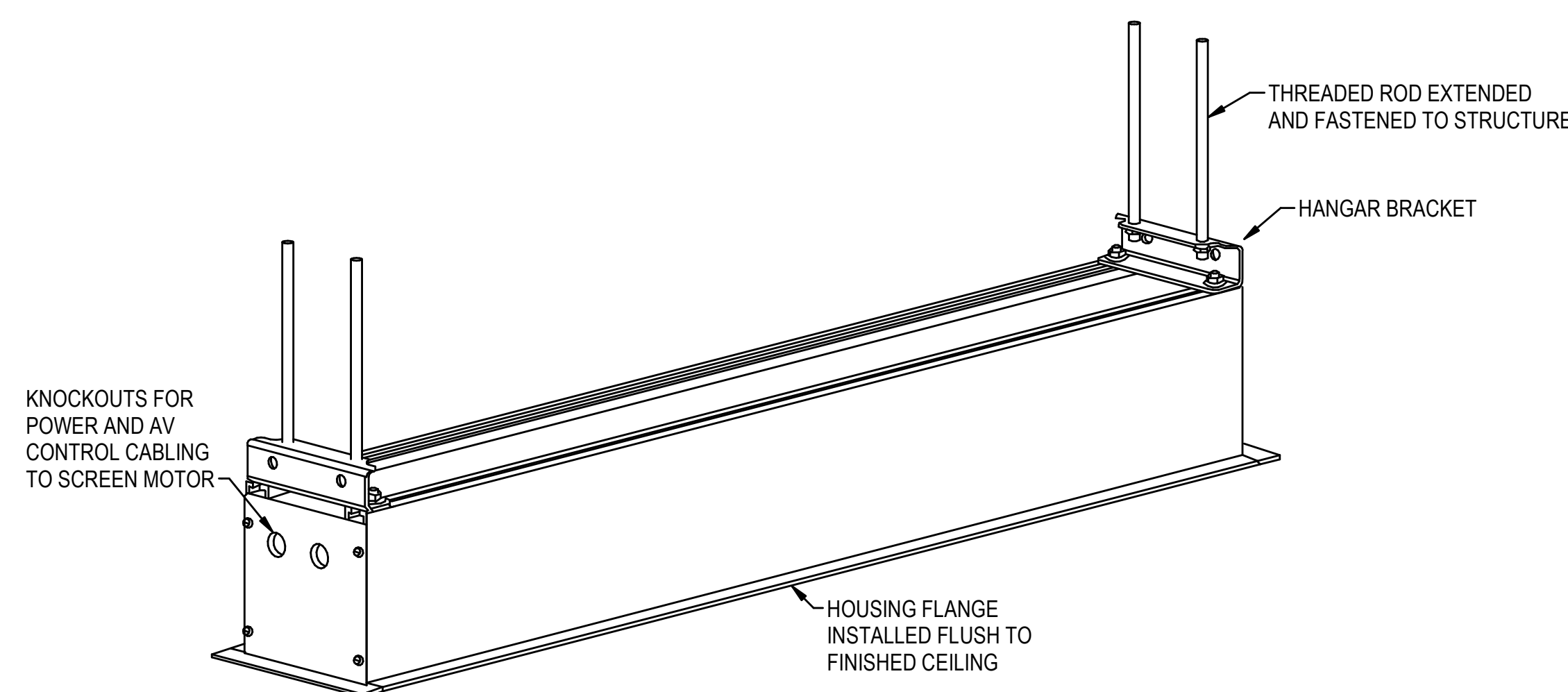
1. SEE THE ELECTRICAL LEGEND, DETAIL SHEETS, AND FLOOR PLANS FOR TYPES AND QUANTITIES.
2. PROVIDE HORIZONTAL CABLE TYPES AND QUANTITIES AS SPECIFIED, AS SHOWN ON THE LEGEND, AND AS SHOWN ON OUTLET DETAILS.
3. PROVIDE (1) 25-PAIR CAT5E COPPER BACKBONE CABLE FROM DEMARC 110 WALL FIELD TO EACH MDF/IDF 24-PORT ANALOG VOICE PATCH PANEL. TERMINATE ONE PAIR PER PORT WITH ONE SPARE PAIR REMAINING. PROVIDE WET-RATED OSP CABLE AND CONNECT TO BUILDING ENTRANCE TERMINAL ON BOTH ENDS FOR BACKBONE CABLE.
4. PROVIDE LIGHT INTERFACE UNIT(S) (AKA FIBER OPTIC PATCH PANELS), AS SPECIFIED.
5. PROVIDE FIBER OPTIC PATCH CORDS, AS SPECIFIED.
6. PROVIDE HARDENED MEDIA CONVERTER AND POWER SUPPLY CONNECTED TO AC OUTLET IN ENCLOSURE.
7. PROVIDE PATCH CORDS AS SPECIFIED.
8. CROSS-CONNECTS BY TELECOMMUNICATIONS INSTALLING CONTRACTOR
9. PROVIDE (1) 24-STRAND SINGLE MODE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE FROM THE MDF TO EACH IDF IN THE BUILDING AS SHOWN ON THE RISER DIAGRAM. TERMINATE BOTH ENDS TO LIU WITH LC STYLE CONNECTORS.
10. PROVIDE 110 BLOCK FOR ANALOG VOICE BACKBONE CABLING. TERMINATE WITH C5 CLIPS.
11. PROVIDE 25 PORT CAT5E VOICE PATCH PANEL.
12. PROVIDE (1) 2 STRAND SINGLE MODE OS2 OUTSIDE PLANT (OSP) FIBER OPTIC CABLE FROM THE MDF TO EACH POLE MOUNTED ENCLOSURE SHOWN ON THE SITE PLANS. TERMINATE MDF END WITH LC AND CONNECT TO LIU. TERMINATE POLE END WITH LC DUPLEX CONNECTORS.
13. PROVIDE A 15FT SERVICE LOOP IN EACH HAND HOLE, VAULT AND TELECOMMUNICATIONS ROOM.
14. PROVIDE MEDIA CONVERTERS AND 19" RACK MOUNT CARD CAGE FOR EXTENDING NETWORK TO POLE ENCLOSURES.
15. PROVIDE RG11 BACKBONE CABLE. PROVIDE WET-RATED OSP FOR UNDERGROUND RUNS AND SURGE ARRESTERS.
16. PROVIDE RG-6 HORIZONTAL TO CATV FIELD OUTLETS. LEAVE COILED AT MDF/IDF WITH SERVICE LOOP.
17. PROVIDE 96-STRAND SINGLE-MODE OS2 OUTSIDE PLANT (OSP) CABLE BETWEEN EXISTING LACEY CITY HALL AND NEW LACEY POLICE STATION IN NEW LIUS. TERMINATE 12 STRANDS WITH LC DUPLEX CONNECTIONS.



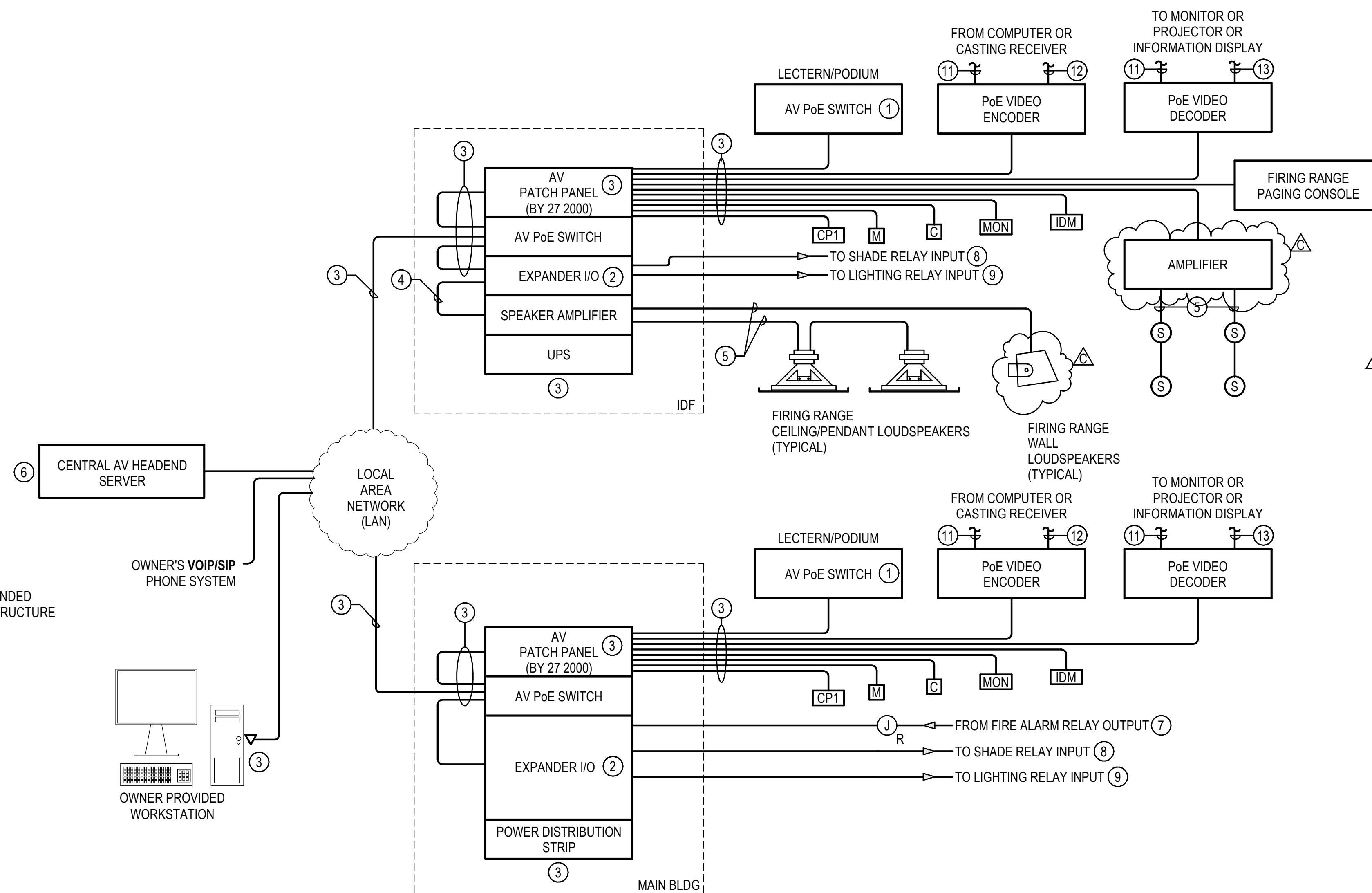


1 AV SYSTEM(S)  
DEVICES PLATE DETAILS  
N.T.S

2 CHIEF MOUNTING DETAIL 1  
N.T.S



3 PROJECTION SCREEN HOUSING DETAIL 1  
N.T.S



4 IP INTERCOM RISER DIAGRAM  
N.T.S

#### IP INTERCOM RISER DIAGRAM GENERAL NOTES

1. ALL AV AND RELATED EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE AV CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

#### IP INTERCOM RISER DIAGRAM CONSTRUCTION NOTES

1. CONNECT LECTERN/PODIUM TO FLOOR BOX DATA AND POWER FOR INTERNAL AV SWITCH, AV EQUIPMENT IN RACK, AND POWER CONDITIONER.
2. EXPANDER / CONTROLLER, FOR INPUT / OUTPUT RELAYS AND INTEGRATION WITH OTHER SYSTEMS. PROVIDE MODEL AND QUANTITY AS REQUIRED.
3. SECTION 27 20 00 SHALL PROVIDE AND INSTALL ALL DATA CABLING, PATCH PANELS, RACKS AND CAT 6/6A CABLES AS REQUIRED. TERMINATE AND TEST AS REQUIRED, UNLESS OTHERWISE NOTED. SECTION 27 20 00 SHALL PROVIDE RACKS AND POWER DISTRIBUTION UNITS (PDU) FED BY UPS-BACKED OUTLETS.
4. BALANCED LINE-LEVEL AUDIO
5. SPEAKER LEVEL AUDIO
6. PROGRAM CENTRAL AV HEADEND PROCESSOR AND CONTROLS FOR EACH ROOM WITH IP BASED AV DEVICES IN SEGREGATED DESIGNS ON THE SAME SERVER.
7. FIRE ALARM RELAY OUTPUT TO AV SERVER. WHEN THE FIRE ALARM SYSTEM IS IN GENERAL ALARM, THE SOUND SYSTEM(S) SHALL BE MUTED BUT MAY DISPLAY VISUAL FIRE ALARM ALERTS. WHEN THE FACP IS RESET, THE SOUND SYSTEM(S) MAY RETURN TO THEIR PREVIOUS OPERATIONAL STATUS. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) ADDRESSABLE CONTROL MODULE AT SERVER RACK LOCATION SHOWN ON THE DRAWINGS INCLUDING THE MDF AS SHOWN ON FA SHEETS. PROGRAM THE FACP AND RELATED EQUIPMENT AS REQUIRED. SEE SECTION SPECIFICATIONS FOR INTEGRATION REQUIREMENTS.
8. COORDINATE EXACT SHADE CONTROL LOCATION(S) WITH ELECTRICAL CONTRACTOR AND PROVIDE CABLING AS REQUIRED FOR TRIGGERING UP/DOWN PRESETS VIA PRESENTATION MODE SELECTION.
9. COORDINATE EXACT LIGHTING CONTROL LOCATION(S) WITH ELECTRICAL CONTRACTOR AND PROVIDE CABLING AS REQUIRED FOR TRIGGERING BASIC PRESETS VIA PRESENTATION MODE SELECTION.
10. PROVIDE CONTROL (RS-232) TO PROJECTOR SCREEN CONTROL MODULE FOR TRIGGERING PRESETS VIA PRESENTATION MODE SELECTION.
11. HDMI
12. USB
13. RS-232/SERIAL

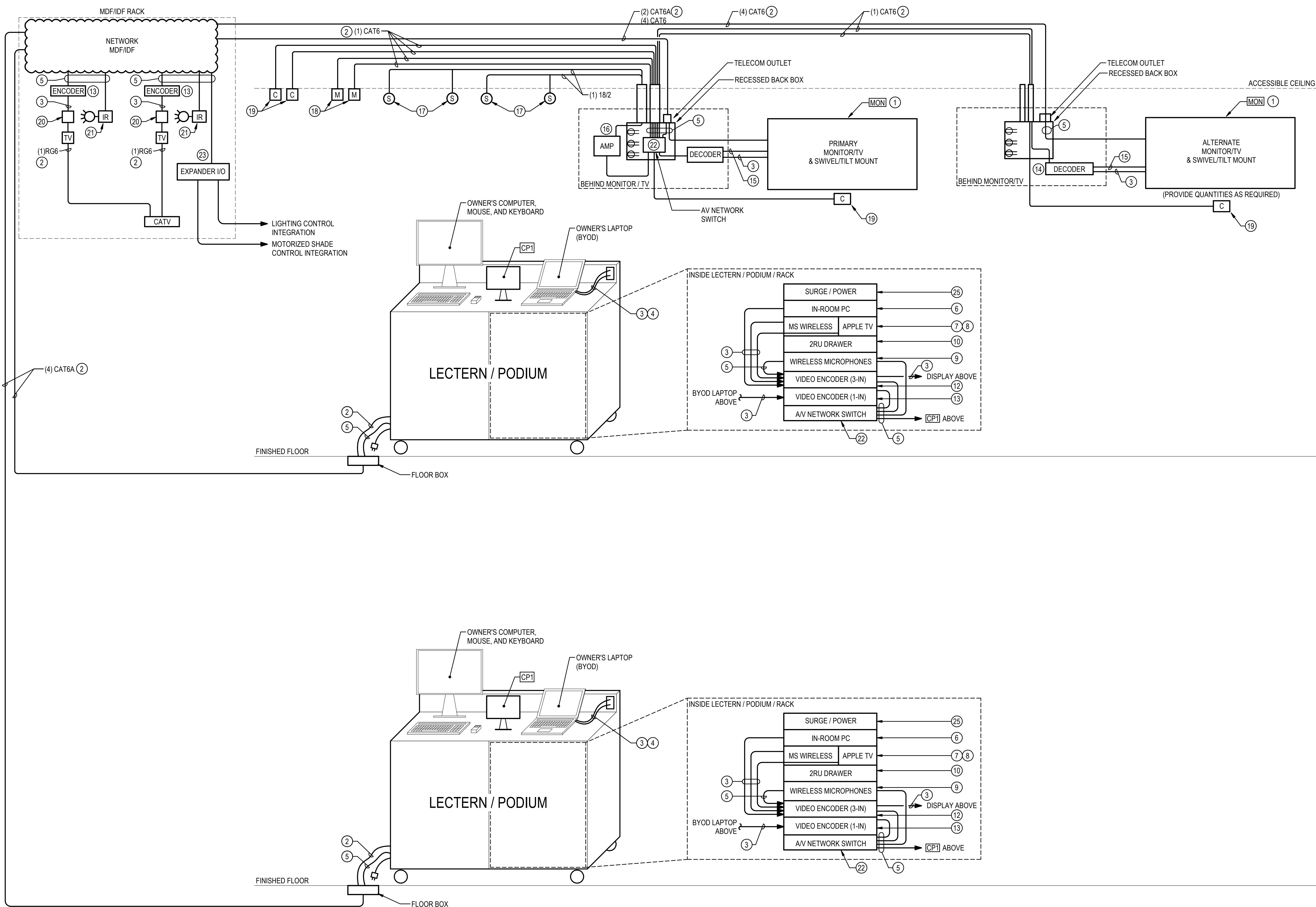


## GENERAL NOTES

- ALL AV AND RELATED EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE AV CONTRACTOR, UNLESS NOTED OTHERWISE.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

## CONSTRUCTION NOTES

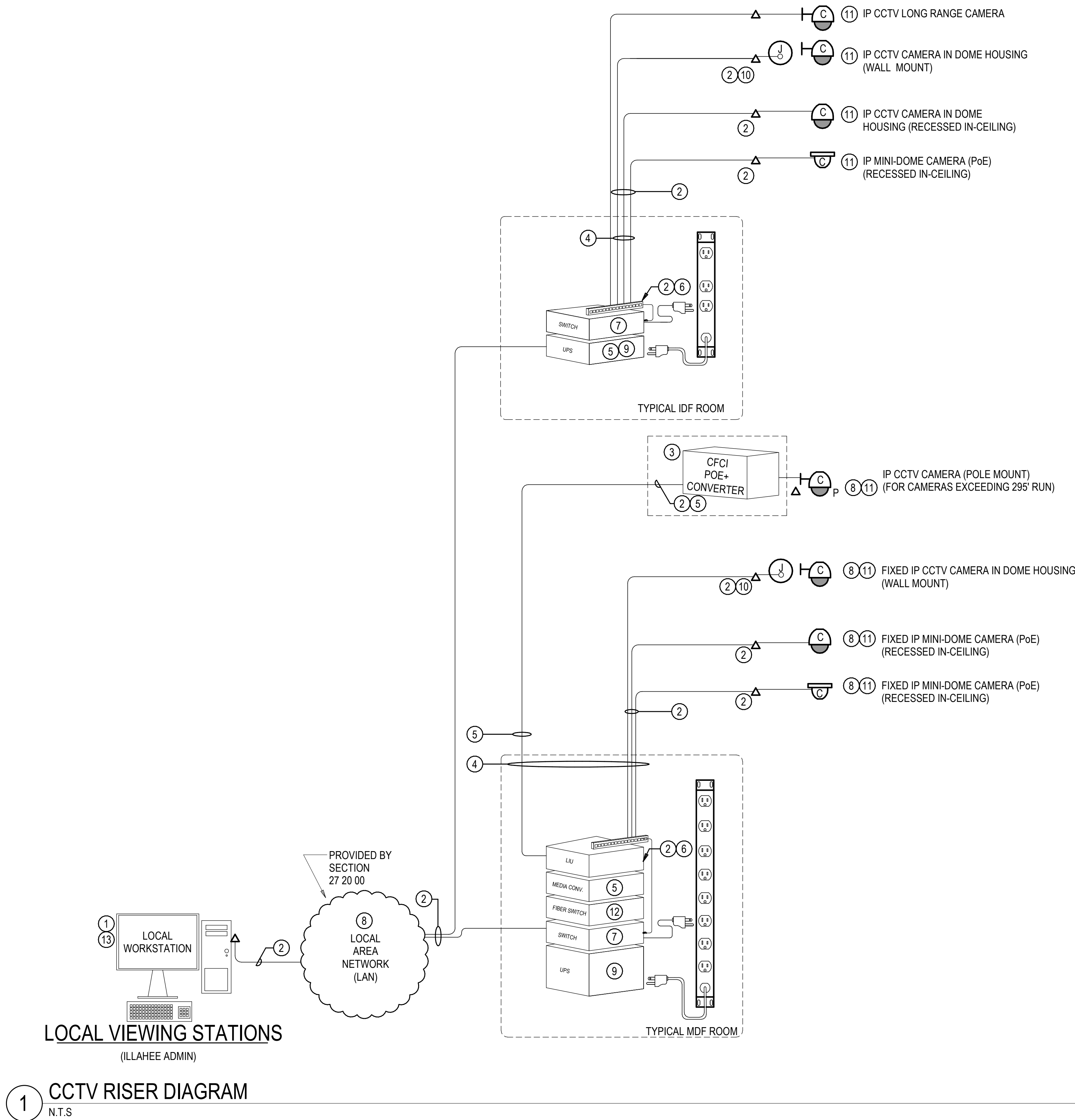
- DISPLAY/MONITOR/TV, REMOTE, AND MOUNTS SHALL BE PROVIDED BY OWNER AND INSTALLED BY THE CONTRACTOR. ROUTE CABLES NEATLY TO OFC1 MONITOR, TERMINATE & LABEL AS REQUIRED.
- SECTION 27 20 00 SHALL PROVIDE AND INSTALL ALL: DATA CABLING, PATCH PANELS, RACKS AND CAT 6 CABLES AS REQUIRED. TERMINATE AND TEST AS REQUIRED, UNLESS OTHERWISE NOTED.
- HDMI 2.1
- USB 3.0
- AV CONTRACTOR TO INSTALL CAT6 PATCH CORDS PROVIDED BY 272000. UPDATE AS-BUILTS WITH OUTLETS UTILIZED.
- OWNER-PROVIDED MINI-PC. MOUNT TO A RACK SHELF. WIRE TO HDMI 1 OF NETWORK VIDEO ENCODER.
- OWNER-PROVIDED WIRELESS DISPLAY ADAPTER (CASTING) DEVICE. HARDWIRE TO HDMI 2 OF NETWORK VIDEO ENCODER.
- OWNER PROVIDED APPLE TV (CASTING) DEVICE. MOUNT TO RACK SHELF. WIRE TO HDMI 3 OF NETWORK VIDEO ENCODER.
- WIRELESS MICROPHONE RECEIVERS. MOUNT IN RACK WITH INCLUDED 1/4 WAVE ANTENNAS.
- 2RU DRAWER TO STORE MICROPHONES, PATCH CABLES, WHITEBOARD SUPPLIES, ETC
- LECTERN/PODIUM WITH INTEGRAL 19" EQUIPMENT RACK PROVIDED BY THE AV CONTRACTOR. COORDINATE WOOD/FINISH TYPE WITH ARCHITECT PRIOR TO ORDERING.
- NETWORK (POE) VIDEO ENCODER/DECODER FOR MULTIPLE LOCAL VIDEO INPUTS & VIDEO OUTPUT. MOUNT ON RACK SHELF.
- NETWORK (POE) VIDEO ENCODER FOR GUEST LAPTOP/BRING YOUR OWN DEVICE (BYOD) OR CABLE TV SET BOX. MOUNT ON RACK SHELF.
- NETWORK (POE) VIDEO DECODER FOR MONITOR/TV. MOUNT ON REAR OF TV VESA BRACKET.
- RS-232
- NETWORK (POE) AMPLIFIER.
- CEILING SPEAKER. PROVIDE QUANTITY AND CABLE TYPE AS REQUIRED.
- NETWORK (POE) CEILING MICROPHONE ARRAY FOR TELECONFERENCE.
- NETWORK (POE) PTZ CAMERA FOR TELECONFERENCE. MOUNT PER A/V ELEVATIONS WITH BRACKET ON REAR OF TV VESA BRACKET, WALL MOUNT, OR PENDANT MOUNT.
- OWNER PROVIDED CABLE TV SET BOX. PROVIDE 1RU 19" RACK SHELF. MOUNT IN MDF/IDF RACK WITH A DEDICATED (POE) VIDEO ENCODER & NETWORK (POE) INFRARED REMOTE TRANSMITTER. LABEL EACH UNIT CLEARLY FOR THE ROOM #, NAME, & VIDEO SOURCE IN PROGRAMMING. OUTLET PROVIDED BY 272000.
- NETWORK (POE) INFRARED REMOTE RECEIVER FOR CABLE TV BOX DEDICATED TO ROOM. MOUNT IR SENSOR TO UNDERSIDE OF TV IN ROOM & ON CABLE TV SET BOX IN MDF/IDF RACK.
- NETWORK (POE) A/V SWITCH. MOUNT IN RACK.
- MICLINE CABLE.
- RACK MOUNT AMPLIFIER. LOCATE IN IDF AND CONNECT TO A/V EXPANDER I/O.
- RACK MOUNT A/V POWER CONDITIONER. MOUNT IN TOP OF RACK.



1 CLASSROOM AV RISER DIAGRAM (ROOM 221)  
N.T.S



PLOT DATE: 10/26/2023 3:52:28 PM



28 23 00 CCTV CAMERA MATRIX						
CAMERA NO.	FIELD OF VIEW	MOUNT	LEVEL	LOCATION	TEXT	AXIS MODEL
C-63	MULTI-SENSOR	CEILING	LEVEL 1	EXTERIOR	10'	P3719-PL
C-64	MULTI-SENSOR	CORNER	LEVEL 1	EXTERIOR	12'	P3719-PL
C-65	MULTI-SENSOR	CORNER	LEVEL 1	EXTERIOR	12'	P3719-PL
C-66	MULTI-SENSOR	CORNER	LEVEL 1	EXTERIOR	12'	P3719-PL
C-67	MULTI-SENSOR	WALL	LEVEL 1	EXTERIOR	12'	P3719-PL
C-68	MULTI-SENSOR	CORNER	LEVEL 1	EXTERIOR	12'	P3719-PL
C-69	MULTI-SENSOR	CORNER	LEVEL 1	EXTERIOR	12'	P3719-PL
C-70	MULTI-SENSOR	CEILING	LEVEL 1	INTERIOR	10'	P3719-PL
C-71	MULTI-SENSOR	CEILING	LEVEL 1	INTERIOR	9' - 6"	P3719-PL
C-72	DUAL-SENSOR	CEILING	LEVEL 1	INTERIOR	10'	P4707-PLVE
C-73	DUAL-SENSOR	CEILING	LEVEL 1	INTERIOR	10'	P4707-PLVE
TOTAL CAMERAS:: 11						

## GENERAL NOTES

- THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE.
- ALL EQUIPMENT SHOWN IS TYPICAL. SEE FLOOR PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE QUANTITIES AS REQUIRED.
- ALL CAMERAS, CCTV SYSTEM CABLING AND PROGRAMMING, SHALL BE THE RESPONSIBILITY OF (1) INSTALLING VENDOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. CLARIFICATION OF SCOPE OF WORK AND DEMARCATION POINT:
  - THE SECTION 27 20 00 DATA AND VOICE INFRASTRUCTURE INSTALLING VENDOR SHALL PROVIDE ALL CABLING AND EQUIPMENT AS IDENTIFIED IN CONSTRUCTION NOTE 2 (ON THIS SHEET). THE PATCH PANEL(S) AND DATA OUTLET(S) SHALL BE DEEMED THE DEMARCATION POINT.
  - THE SECTION 28 23 00 CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) INSTALLING VENDOR SHALL PROVIDE ALL OTHER CABLING AND EQUIPMENT.
  - CCTV SERVER, STORAGE AND LICENSES WILL BE OWNER-PROVIDED AND CONTRACTOR INSTALLED (OFCI).
- NOT ALL PARTS ARE CALLED OUT IN SPECIFICATIONS. PROVIDE ALL PARTS AS REQUIRED FOR A FULLY FUNCTIONAL CAMERA SYSTEM.
- ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

## CONSTRUCTION NOTES

- WORKSTATION PC(S) SHALL BE PROVIDED BY THE OWNER. PROVIDE, INSTALL AND CONFIGURE THE REMOTE VIEWING SOFTWARE AT THE LOCATIONS DESCRIBED IN THE SPECIFICATIONS.
- DATA CABLES, PATCH PANELS, PATCH CORDS FOR PATCH PANELS, PATCH CORDS FOR EACH CAMERA (SIZED TO FIT), PATCH PANEL LABELING, CAT6 CABLE LABELING, AND UPS SHALL BE PROVIDED, INSTALLED, TERMINATED, AND TESTED BY SECTION 27 20 00.
- OFCI 8-PORT POE+ NETWORK SWITCH. LOCATE IN OFCI POLE MOUNT ENCLOSURE PER SPECS.
- PROVIDE PLENUM RATED CABLES AND WET RATED CABLES, AS REQUIRED BY CODE AND THE AHJ.
- PROVIDE (1) 2-STRAND SINGLE MODE FIBER FROM MDF OFCI NETWORK MEDIA CONVERTER IN POLE MOUNTED NEMA 3R ENCLOSURE. TERMINATE WITH LC CONNECTORS ON BOTH ENDS. PROVIDED BY SECTION 27 20 00.
- PROVIDE SPECIFIED COLOR JACKS FOR THE CCTV SYSTEM CABLING.
- OWNER-PROVIDED POE NETWORK SWITCH.
- PROGRAM CAMERAS INTO OFCI NVR SERVERS LOCATED IN MDF. USE OFCI CAMERA LICENSES FOR EACH CAMERA INSTALLED AT THE BUILDINGS AND CAMERAS LOCATED ON POLES.
- THE UPS SHALL BE OFCI.
- LOCATE THE SURFACE MOUNT TELECOMMUNICATIONS OUTLET IN THE CAMERA HOUSING OR JUNCTION BOX, UNLESS OTHERWISE NOTED. REVIEW THE SPECIFICATIONS AND MOUNTING DETAILS FOR INSTALLATION REQUIREMENTS.
- SEE THE CAMERA INSTALLATION DETAILS FOR ROUGH-IN AND TYPICAL INSTALLATION. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS.
- OFCI FIBER SWITCH AND SFP'S.
- COORDINATE WITH OWNER TO PROGRAM THE DESIRED CAMERAS TO BE ACCESSIBLE IN THEIR CLIENT/USER INTERFACE APPLICATION.

**KMB**  
architects

906 Columbia Street SW, Suite 400  
Olympia, Washington 98501  
811 First Avenue, Suite 220  
Seattle, Washington 98104  
www.kmb-architects.com  
360.352.8883

KMB Project No. 22022

**BCE**  
engineers, inc.

6021 12th Street East, Suite 200  
Fife, Washington 98424  
T: 253.922.0446  
F: 253.922.0896

BCE Project No. 222-055

**NEW POLICE STATION - TRAINING BUILDING**  
**CITY OF LACEY**  
200 COLLEGE STREET, LACEY, WA 98503  
CITY PROJECT NO. PW 2022-13

ORIGINAL SHEET SIZE = 30 x 42  
HALF SIZE REDUCTIONS = 15 x 21  
REVISIONS:  
C ADDENDUM 3 10/26/2023

DATE:  
09.14.2023  
100% DESIGN  
SHEET NO.  
**E-528a**  
CCTV RISER DIAGRAM

SHEET \_\_\_\_\_ OF \_\_\_\_\_



① MINIMUM 160A/3P SPACE FOR FUTURE PHOTOVOLTAIC SYSTEM. DEVICE TO BE LOCATED OPPOSITE THE MAIN BREAKER ON THE BUSSING.

[illegible]

\_\_\_\_\_

TBH	TBL
TB1	IDFT



LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MFR.	MODEL	CATALOG #	LUMENS	VOLTS		LAMP PROPERTIES		INDIVIDUALLY ADDRESSABLE	INTEGRAL OCCUPANCY SENSOR	INSTALLATION NOTES
						W	V	TYPE	TEMP.			
CL1E	RECESSED RESTROOM COVE LIGHT	LUMENWERX	VIA 3 SEAL	V3SEALPERD-EPDO-SW-80-500-35-4FT	5513	58 W	277 V	LED	3500 K			PROVIDE WITH INTEGRAL BATTERY PACK.
EX1	EXIT LIGHT FIXTURE	ISOLITE	ELT	ELT-AC-G-AG-BA	N/A	2 W	277 V	LED				PROVIDE DIRECTION ARROWS AS INDICATED PROVIDE UNSWITCHED HOT LEG. PROVIDE WITH INTEGRAL BATTERY PACK.
EX3	EXIT LIGHT FIXTURE	ISOLITE	ELT	ELT-AC-G-AG-BA	N/A	2 W	277 V	LED				PROVIDE DIRECTION ARROWS AS INDICATED PROVIDE UNSWITCHED HOT LEG. PROVIDE WITH INTEGRAL BATTERY PACK.
FL1	FIRING RANGE FLOOD LIGHT	SPEC GRADE	VANGUARD	MFL-75-40K-60-V01-BL-TL-VDIM	12284	75 W	277 V	LED	4000 K			
PL1	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP4	BLWP4-40L-SDSM-LP835	4000	35 W	277 V	LED	3500 K	X	X	
PL1E	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP4	BLWP4-40L-SDSM-LP835	4000	35 W	277 V	LED	3500 K	X	X	PROVIDE WITH INTEGRAL BATTERY PACK.
PL2	12' PENDANT MOUNT DIRECT FIXTURE	MARK	SLOT 4	SL4L-4-RLP-80CRI-35K-600LMF	6536	69 W	277 V	LED	3500 K	X		
PL2E	12' PENDANT MOUNT DIRECT FIXTURE	MARK	SLOT 4	SL4L-4-RLP-80CRI-35K-600LMF	6536	69 W	277 V	LED	3500 K	X		PROVIDE WITH INTEGRAL BATTERY PACK.
PL3	MICRO WALL WASH W/ OVERLAP FLANGE TRIM	USAI Lighting	BEVELED MICRO RECESSED	MWFO4-13H1-30KS-35-WH-WH-NC		27 W	277 V	LED	3500 K			
PL4	MICRO WALL WASH W/ OVERLAP FLANGE TRIM	USAI Lighting	BEVELED MICRO RECESSED	MWFO4-13H1-30KS-35-WH-WH-NC 2		8 W	277 V	LED	3500 K			
PL5	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP4	BLWP4-48L-SDSM-LP835	4800	40 W	277 V	LED	3500 K	X	X	
PL5E	4' PENDANT MOUNT STRIP LIGHT	LITHONIA	BLWP4	BLWP4-48L-SDSM-LP835	4800	40 W	277 V	LED	3500 K	X	X	PROVIDE WITH INTEGRAL BATTERY PACK.
RL1	RECESSED 2X2' PANEL	MARK	WHISPER LED	WHSPR-2X2-3300LM-35K-80CRI-SWC	3429	30 W	277 V	LED	3500 K	X	X	
RL1E	RECESSED 2X2' PANEL	MARK	WHISPER LED	WHSPR-2X2-3300LM-35K-80CRI-SWC	3429	30 W	277 V	LED	3500 K	X	X	PROVIDE WITH INTEGRAL BATTERY PACK.
RL2	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-20-L04AR-LS	2000	22 W	277 V	LED	3500 K	X	--	
RL2E	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-20-L04AR-LS	2000	22 W	277 V	LED	3500 K	X	--	PROVIDE WITH INTEGRAL BATTERY PACK.
RL3	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-07-L04AR-LS	781	9 W	277 V	LED	3500 K	X		
RL3E	4" RECESSED DOWNLIGHT	LITHONIA	LDN4	LDN4-35-07-L04AR-LS	781	9 W	277 V	LED	3500 K	X		PROVIDE WITH INTEGRAL BATTERY PACK.
SL1E	2' SURFACE LINEAR STRIP	LITHONIA	BLWP2	BLWP2-48L-SDSM-EZ1-LP835-NLTAIR2-RE-STPDT	4800	40 W	277 V	LED	3500 K	X		PROVIDE WITH INTEGRAL BATTERY PACK.
UC1	UNDERCABINET FIXTURE	Q TRAN	SW-HE24	DRIVER: SW-HE24/3.0-DRY-35 EXTRUSION: WIDE-ST-SST-CL-S1-X'	<varies>	<varies>	277 V	LED	3500 K			3 W/FT. SEE PLANS FOR FIXTURE RUN LENGTHS.
WL1	RESTROOM VANITY FIXTURE	KUZCO	VEGA MINOR	VL18224-WH	992	17 W	277 V	LED	3500 K			
WL2	EXTERIOR WALL MOUNT FIXTURE	LITHONIA	D-SERIES SIZE 1	DSX4-LED-R140K-70CRI-13M	7593	51 W	277 V	LED	4000 K			
WL2E	EXTERIOR WALL MOUNT FIXTURE	LITHONIA	D-SERIES SIZE 1	DSX1-LED-P1 40K-70CRI-13M	7593	51 W	277 V	LED	4000 K			PROVIDE WITH INTEGRAL BATTERY PACK.

LIGHTING / RECEPTACLE CONTROL  
SEQUENCE FOR COMMISSIONING

GENERAL REQUIREMENTS

- THE LIGHTING CONTROL SYSTEM SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS IN WSEC C405.
- VACANCY / OCCUPANCY SENSORS SHALL BE CONNECTED TOGETHER FOR CONTROL OF ALL LIGHTS IN THE ROOM. SET UP SENSORS AS INDICATED IN OCCUPANCY OR VACANCY MODE.
- VACANCY MODE – MANUAL ON, AUTO OFF VIA SENSOR, SET AT 20 MIN.
- OCCUPANCY MODE – AUTOMATIC ON TO 50%, AUTO OFF VIA SENSOR, SET AT 20 MIN.
- ALL OCCUPANCY / VACANCY SENSORS SHALL BE DUAL TECHNOLOGY (I.E. INFRARED AND ULTRASONIC).
- PHOTOCELLS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER.
  - TRIGGER 1 OF PHOTOCELL TO CONTROL LIGHTS IN PRIMARY DAYLIGHT ZONES (PDZ)
  - TRIGGER 2 OF PHOTOCELL TO CONTROL LIGHTS IN SECONDARY DAYLIGHT ZONES (SDZ)
  - PHOTOCELLS SHALL BE CONFIGURED AND ADJUSTABLE FROM THE FLOOR.
- ALL PHOTOCELLS SHALL HAVE THE CAPABILITY TO COMPLETELY SHUT OFF LIGHTS WITH SUFFICIENT NATURAL LIGHT.
- PROGRAMMING SHALL BE PROVIDED FOR ADJUSTMENT OF LIGHTS.
- ALL LIGHTS SHALL BE PROVIDED WITH PROVISIONS FOR CONTROL VIA 0-10V DIMMING.
- EMERGENCY LIGHTING RELAY REQUIRED FOR CONNECTION TO ANY DESIGNATED EMERGENCY LIGHT FIXTURES WITHIN EACH SPACE FOR AUTOMATIC OVERRIDE UPON A POWER FAILURE.

FIRING RANGE

- MANUAL SWITCHING AND SCENE CONTROL VIA TOUCHSCREEN
  - STAGING AREA LIGHTING - ZONE 'k' - CONTROLLED VIA ON / OFF / DIM WALL SWITCH
  - FIRING RANGE ON / OFF / DIM / SCENE CONTROL SHALL BE CONTROLLED VIA LIGHTING CONTROL TOUCHSCREEN - ZONES 'a','b','c','d','e','f','g','h','i','j','k'.
  - EXEMPT FROM ANY ADDITIONAL LIGHTING CONTROL REQUIREMENTS PER WSEC C405.2, EXCEPTION #1 - SAFETY AND SECURITY.

INDIVIDUAL ROOM / PRIVATE OFFICE LIGHTING CONTROLS

- OFFICES AND SMALL ROOMS WITH A WINDOW SHALL HAVE A PHOTOCELL.
- ALL OFFICES AND SMALL ROOMS SHALL HAVE VACANCY SENSORS.
- SENSORS SHALL BE SET TO VACANCY MODE SO THAT THE USER IS REQUIRED TO PRESS A BUTTON ON THE WALL STATION TO TURN ON THE LIGHTS.
- A DIMMER SHALL BE PROVIDED ON THE WALL TO ALLOW MANUAL ADJUSTMENT OF THE LIGHTING LEVEL.
- VACANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING MOUNTED.
- DESIGNATED RECEPTACLES SHALL BE CAPABLE OF AUTOMATIC ON/OFF CONTROL VIA TIME SCHEDULE
  - SET SWITCHED RECEPTACLES TO 'ON' 24 / 7 / 365.
  - DURING TIMES WHEN RECEPTACLES ARE SWITCHED OFF, THE LIGHTING CONTROL OCCUPANCY SENSORS SHALL AUTOMATICALLY OVERRIDE THE TIME SCHEDULE AND TURN ON THE RECEPTACLES FOR TWO HOURS. AUTOMATICALLY RETURN TO TIME SCHEDULE AFTER TWO HOURS HAVE ELAPSED.

CONFERENCE ROOMS / MULTI-ZONE ROOMS / CLASSROOMS / TRAINING ROOMS

- AUTOMATIC DAYLIGHT HARVESTING CONTROL
  - LIGHTS IN PDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 1.
  - LIGHTS IN SDZ – AUTO DIM CONTROLLED WITH PHOTOCELL – TRIGGER LEVEL 2.
- MANUAL SWITCHING AND DIMMING CONTROL
  - CONTROL ZONE 'a', 'b', 'c' ETC.
  - ADDITIONAL ZONES AS INDICATED / REQUIRED
- OCCUPANCY / VACANCY SENSORS SET TO OCCUPANCY MODE – AUTO 'ON' TO 50%, FULL 'ON' UPON BUTTON PRESS - PHOTOCELL ENABLED.
  - LIGHTS IN ALL CONTROL ZONES AUTO 'OFF' 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT ZONE.
- OCCUPANCY/VACANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING MOUNTED.
- DESIGNATED RECEPTACLES SHALL BE CAPABLE OF AUTOMATIC ON/OFF CONTROL VIA TIME SCHEDULE
  - SET SWITCHED RECEPTACLES TO 'ON' 24 / 7 / 365.
  - DURING TIMES WHEN RECEPTACLES ARE SWITCHED OFF, THE LIGHTING CONTROL OCCUPANCY SENSORS SHALL AUTOMATICALLY OVERRIDE THE TIME SCHEDULE AND TURN ON THE RECEPTACLES FOR TWO HOURS. AUTOMATICALLY RETURN TO TIME SCHEDULE AFTER TWO HOURS HAVE ELAPSED.
- DIMMER SWITCH WALL CONTROL STATION:
  - BUTTON 1 -
    - LABEL: ALL ON/OFF
    - FUNCTION: ALL ON/OFF - ALL LIGHTS ON 100%, PHOTOCELL ENABLED, OVERRIDE TIME SCHEDULE FOR SWITCHED RECEPTACLES
  - BUTTON 2 -
    - LABEL: UP/DOWN
    - FUNCTION: MANUAL DIM OR RAISE ALL LIGHTS TOGETHER
  - PROVIDE ADDITIONAL BUTTONS FOR EACH SUBSEQUENT CONTROL ZONE - EACH CONTROL ZONE SHALL HAVE ITS OWN ON / OFF / DIM / RAISE
- CLASSROOM 221 LIGHTING SHALL BE INTEGRATED WITH THE ROOM AUDIO VISUAL SYSTEM FOR ON / OFF / DIM CONTROL AND SCENE SELECTION FUNCTIONALITY THROUGH THE AV TOUCH SCREEN.

INDIVIDUAL JANITOR / CUSTODIAL LIGHTING CONTROLS

- AUTOMATIC ON TO 50% - 'ON' BUTTON PRESS RAISES ALL LIGHTING TO 100%.
- MANUAL CONTROL OF LIGHTS WITH SWITCH AT ENTRY DOOR.
- LIGHTS AUTO OFF BY OCCUPANCY SENSOR AFTER 20 MINUTES - INTEGRATED SENSOR, CEILING, OR WALL, AS INDICATED.

ELECTRICAL / MECHANICAL / MDF & IDF

- ROOM SHALL BE STAND-ALONE AND NOT TIED TO THE BUILDING LIGHTING CONTROL SYSTEM.
- LIGHTS CONTROLLED BY ON/OFF SWITCH.

CORRIDORS / MULTI-STALL RESTROOMS

- ALL LIGHTS CONTROLLED BY TIME SCHEDULE
  - SET TO 'ON' 24 / 7 / 365
- OCCUPANCY / VACANCY SENSORS SET TO OCCUPANCY MODE - AUTOMATICALLY TURN LIGHTS ON TO 100%.
  - OCCUPANCY SENSORS SHALL BE INTEGRATED INTO EACH FIXTURE, WHERE SPECIFIED, OTHERWISE SHALL BE CEILING/PENDANT MOUNTED.
    - BETWEEN THE HOURS OF 6PM AND 6AM, SET OCCUPANCY SENSOR TO TURN LIGHTS TO 50% OUTPUT AFTER 20 MINUTES OF NOT DETECTING MOTION - AUTOMATICALLY RESTORE 'ON' TO 100%.

EXTERIOR LIGHTING

- ALL EXTERIOR LIGHTING SHALL BE PROVIDED WITH PROVISIONS FOR DIMMING.
- ALL EXTERIOR LIGHTING SCHEDULES SHALL RESIDE IN THE EXTERIOR LIGHTING CONTROL SYSTEM, WITH SCHEDULING THROUGH THE EMCS.
- ALL FACADE AND LANDSCAPE LIGHTS ARE TO BE DIMMED TO 50% OUTPUT BETWEEN THE HOURS OF 12:00AM AND 6:00AM.
- ALL OTHER BUILDING-MOUNTED LIGHTS USED FOR ILLUMINATION OF THE EXIT OR EGRESS PATHWAY ARE TO REMAIN ON AT 100% OUTPUT FROM DUSK TO DAWN - WSEC C405.2.6, EXCEPTION #1.
- ALL PARKING LOT LIGHTS ARE TO BE DIMMED TO 50% WHEN NO MOTION IS DETECTED FOR 15 MINUTES.
  - OUTPUT SHALL RETURN TO 100% OUTPUT WHEN MOTION IS DETECTED.

GENERAL NOTES

- ALL LIGHTING FIXTURES SHALL BE NETWORK COMPATIBLE.
- FIXTURES NOTED ON THE FIXTURE SCHEDULE AS INDIVIDUALLY ADDRESSABLE SHALL BE PROVIDED WITH ALL CONTROLS COMPONENTS NECESSARY TO MEET WSEC C406.4.
- FIXTURE TYPES LISTED INDICATE THE TYPE, STYLE, CHARACTERISTICS, AND MOUNTING REQUIRED TO FACILITATE THIS DESIGN. OTHER FIXTURE MANUFACTURERS MEETING THE LIGHTING FIXTURE CRITERIA ARE ACCEPTABLE UPON APPROVAL BY THE ARCHITECT, OWNER, AND ENGINEER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE FINISH COLORS WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND MOUNTING HARDWARE FOR A COMPLETE SYSTEM. COORDINATE LOCATION OF ALL REMOTE LED DRIVES - LOCATION SHALL BE CONCEALED AND READILY ACCESSIBLE.

COMMISSIONING REQUIREMENTS FOR THE  
LIGHTING CONTROL SYSTEM

TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN THE PROPER WORKING CONDITION IN MANUFACTURER'S INSTALLATION INSTRUCTIONS. WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE OR ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS, AND ANY PERTINENT DISCUSSION SHALL BE FOLLOWED. AT A MINIMUM, TESTING SHALL AFFIRM OPERATION DURING NORMALLY OCCUPIED DAYLIGHT CONDITIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. ALL TESTING AND DOCUMENTATION SHALL COMPLY WITH C408.3 OF THE WASHINGTON STATE ENERGY CODE. FOR OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTO-SENSORS OR DAYLIGHT CONTROLS, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIMEOUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
- CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
- CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTO-SENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.