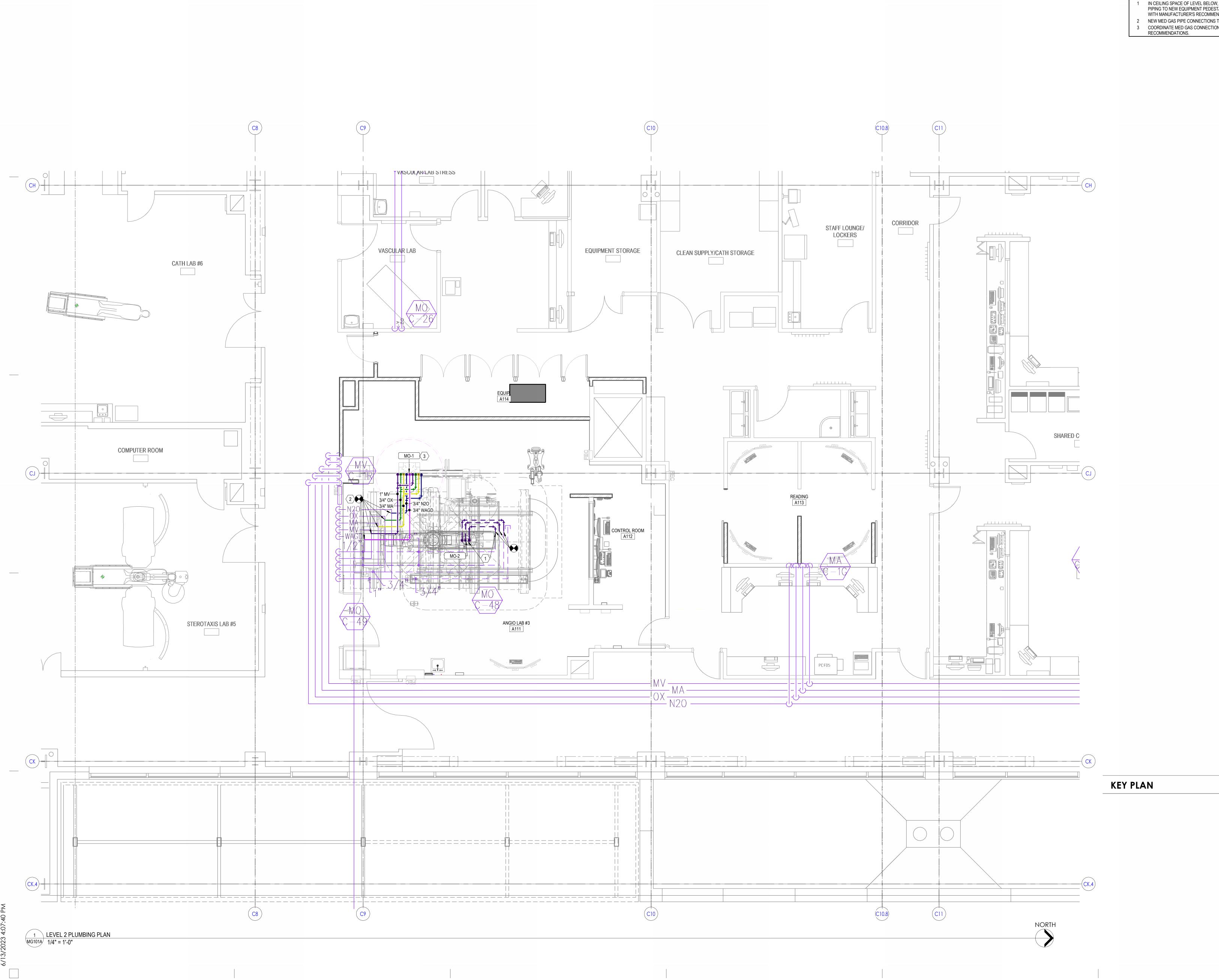


KEYNOTES

KEY PLAN





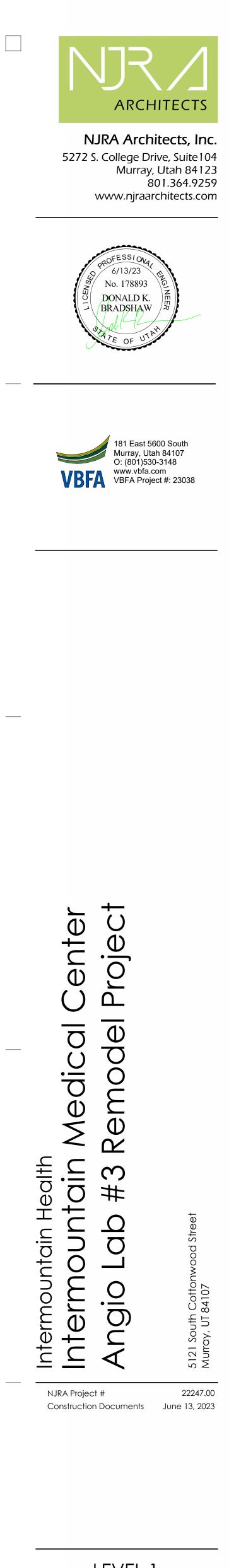




KEYNOTES

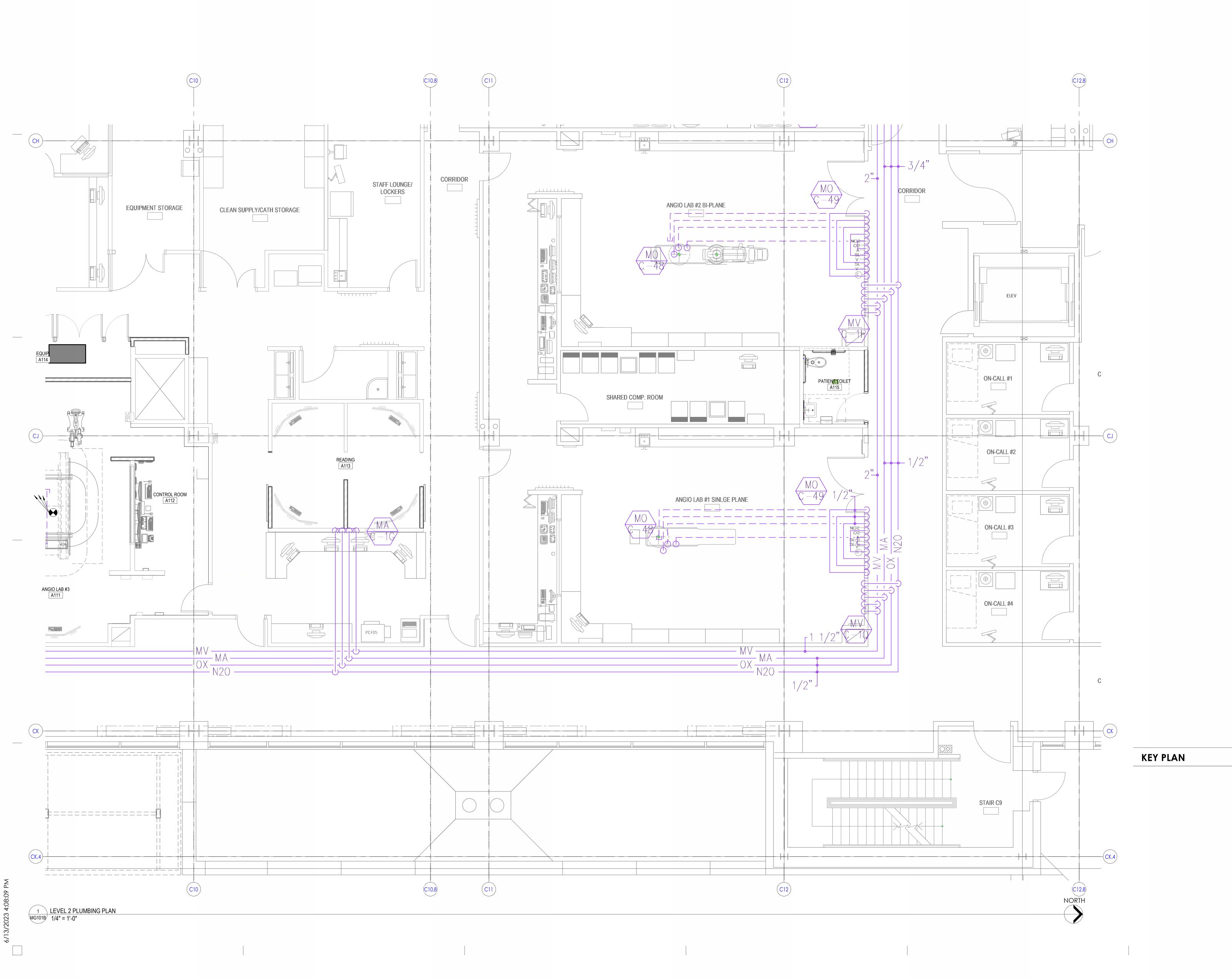
- IN CEILING SPACE OF LEVEL BELOW, CONNECT TO EXISTING AND EXTEND NEW PIPING TO NEW EQUIPMENT PEDESTAL. COORDINATE PEDESTAL CONNECTIONS WITH MANUFACTURER'S RECOMMENDATIONS.

- NEW MED GAS PIPE CONNECTIONS TO EXISTING MED GAS SYSTEM. COORDINATE MED GAS CONNECTIONS TO CEILING BOOM WITH MANUFACTURERS RECOMMENDATIONS.

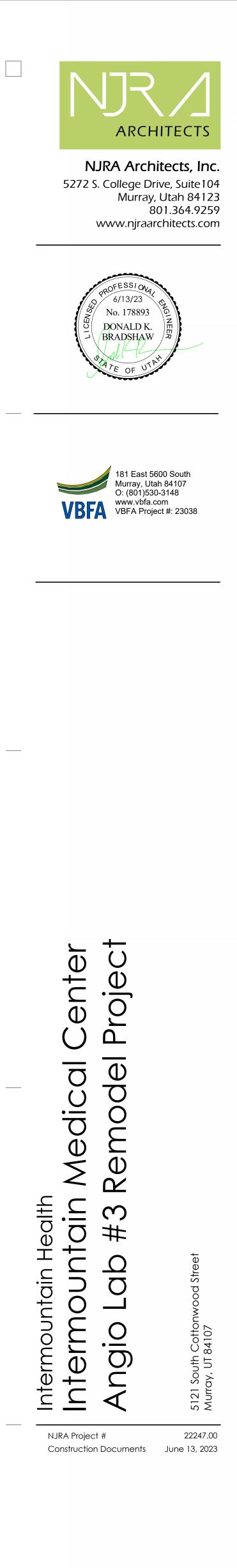


LEVEL 1 MEDICAL GAS PLAN - AREA A





KEYNOTES





MG101B

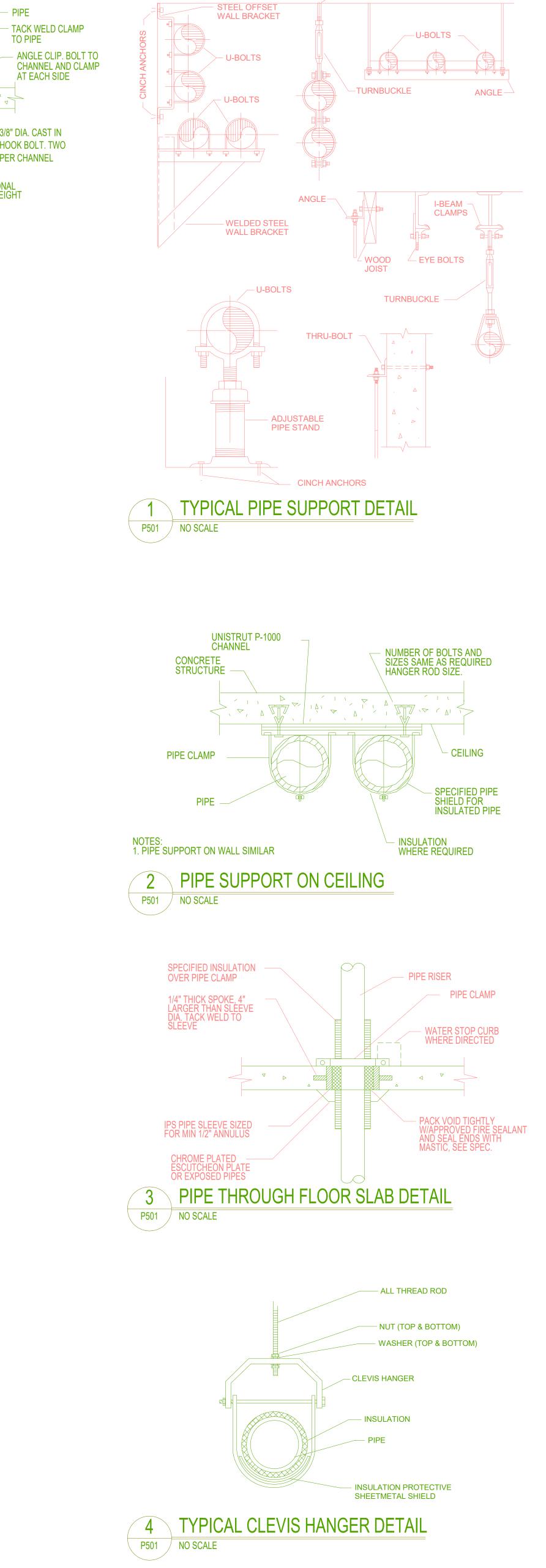
PIPE INSULATION -

UNISTRUT P-5000 CHANNEL TO SPAN OPENING. TWO PER PIPE. STRUCTURE	<u>-</u>
SHAFT OPENING	
NOTES:	

1. TYPICAL SUPPORT AT EACH FLOOR. 2. FOR MULTIPLE PIPES INSTALL CHANNELS IN PARALLEL AND PROVIDE ADDITIONAL FRAMING. SIZES OF FRAMING MEMBERS AS REQUIRED TO SUPPORT TOTAL WEIGHT OF PIPE. 3. INSULATE CLAMP AT CHILLED WATER PIPE ONLY.

5 PIPE RISER SUPPORT DETAIL P501 NO SCALE

 \checkmark



/ INSERTS



PIPE

TO PIPE









PLUMBING DETAILS



						PLU	MBING FIXTURE SCHEDULE
		CW	HW	W	V		
ID	FIXTURE	(IN)	(IN)	(IN)	(IN)	NOTES	SPECIFICATION
WC-1	WATER CLOSET	1		4	2	FLOOR MOUNTED, MANUAL DUAL FLUSH VALVE, ADA	WATER CLOSET: KOHLER K-4368 HIGHCLIFF VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA OPEN-FRONT SEAT. SLOAN WES-111 MANUAL DUAL FLUSH, 1.6 GPF FLUSH VALVE; PROVIDE "DIRT GRABBER" FLUSH VALVI FILTER, COORDINATE SIZE WITH FLUSH VALVE; NSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, GOOSENECK FAUCET WITH WRISTBLADES	LAVATORY: KOHLER K2030, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW, 4" CENTERS. CHICAGO 786-GN8FCXKABCP FACUET, WITH WRIST BLADE HANDLES, GN8 RIGID/SWING GOOSENECK SPOUT WITH 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH WATTS # 7 DUAL CHECK VALVES ON HOT AND COLD LINES INSTALLED IN CEILING. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
FD-1	FLOOR DRAIN			2	1 1/2	GENERAL USE FLOOR DRAIN	FLOOR DRAIN: SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZ ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE DEEP SEAL TRAP AND TRAP GUARD TYPE TRAP SEAL DEVICE.
S-1	SINK	1/2	1/2	1 1/2	1 1/2	BASIN INTEGRAL TO COUNTERTOP, GOOSENECK FAUCET WITH WRISTBLADES	INTEGRAL SINK SPECIFIED BY THE ARCHITECT, CHICAGO 626-GN8FCABCP REMOTE FACUET, WITH CHICAGO 625-LPSLOABCP FOOT CONTROL VALVE, GN8FC 8" RIGID/SWING, GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAF BY TRUE-BRO, COLOR TO BE WHITE.

	MEDICAL GAS OUTLETS SCHEDULE											
		# OF					PIPE					
SYMBOL	ROOM TYPE	ох	MA	MV	WAGD	N20	ох	MA	MV	WAGD	N20	REMARKS
MO-1	ANGIO LAB #3	2	2	2	1	2	1/2	1/2	3/4	3/4	1/2	1,2
MO-2	ANGIO LAB #3	1	1	2			1/2	1/2	3/4			1,3

2. BOOM MOUNTED OUTLETS.

3. PEDESTAL MOUNTED OUTLETS





plumbing Schedules

P601

SYMBOL	SYMBOLS LEGEND
	E AND LINE SYMBOLS
A5	
E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING
E-201	SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING
E-201	SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
$\langle 1 \rangle$	KEYNOTE INDICATOR.
	REVISION INDICATOR.
CU-1 >	EQUIPMENT INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES
X-X XMDP	EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO
	EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	DEMOLITION LINE: DASHED, MEDIUM LINE
WIRING ME	THODS
\frown	WIRING.
	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH
A-1	DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND
A-1,3,5	NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF
	ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
A-1,3,5	NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
+	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
[1]	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER
	TO ONE-LINE DIAGRAM.
(нс)	ADA ACCESS PUSH PLATE
Ø	JUNCTION BOX.
Ф _с	JUNCTION BOX, CEILING.
0 _{SC}	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
0 _{SP}	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
PB	PULL BOX.
	CABLE TRAY ABOVE ACCESSIBLE CEILING.
A"xB" +/-C'-D"	"A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C'-D" DENOTES CABLE TRAY ELEVATION ABOVE OR
	BELOW FINISHED SURFACE.
	LADDER RACK.
—J——J—	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
Θ	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMEN SCHEDULE FOR REQUIREMENTS.
ŢŢ	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FO ADDITIONAL INFORMATION.
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS
	SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE
(W-3E)	WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS
	CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
<u> </u>	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
$\nabla \Theta$	EXIT SIGN: SINGLE FACE; WALL MOUNTED
$\mathbf{\Theta}$	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
Ð	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING (CONTROL
*	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
· ·	OMINI-DIRECTIONAL, CEILING. OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
③ 	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
4) ▶● 4 4)	OMNI-DIRECTIONAL, CEILING.
↓ ↓ ↓	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
a,b 困	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS,
\$	SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIC AND PROGRAMMING REQUIREMENTS)
	,
RC	DIGITAL LIGHTING ROOM CONTROLLER
RC	DIGITAL LIGHTING ROOM CONTROLLER

	SYMBOLS LEGEND
SYMBOL	
WIRING DE	VICES
₿	RECEPTACLE, DUPLEX: NEMA 5-20R.
₿_A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
₿c	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
фD	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R. RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT
	INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
⊎ ig	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
₿s	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
₩w	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
-	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
0	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
⊌	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
₿	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
₩	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
₩P	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
₿	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
•	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
-	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
-	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
6	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
	DROP CORD. SEE DETAIL.
FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
Ф	SWITCH, DIMMER.
× \$ ×	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
\$2 X	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
\$3 X	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
\$4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
\$DS	
\$WP	SWITCH, WEATHERPROOF.
<u></u>	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R. RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT
	INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R. RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT
₩	INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
<u> </u>	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
ŧ	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
#	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
NURSE CA	
0	JUNCTION BOX.
\square	CORRIDOR LIGHT.
B	BATHROOM PULL CORD STATION.
F D	DUTY STATION.
 	EMERGENCY ASSISTANCE CALL STATION.
Есв	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
] €₽	PATIENT STATION.
₽ ø	STAFF STATION.
NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
ZLC	ZONE LIGHT CONTROLLER.
CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.

SYMBOLS LEGEND

		SYMBOLS LEGEND
	SYMBOL	DESCRIPTION
	ELECTRICA	AL POWER AND DISTRIBUTION
		FUSE WITH RATING (ONE-LINE DIAGRAM).
		DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	5	OVERLOAD RELAY (ONE-LINE DIAGRAM).
∃R	5	STARTER (ONE-LINE DIAGRAM).
	¢ T	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
	(#AF #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "225AF" REPRESENTS THE RATING AND "150AT" REPRESENTS THE TRIP SETTING. (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	<u></u>	TRANSFORMER (ONE-LINE DIAGRAM).
CY	"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
	225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	•)225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
	•)225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
). D).		PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
	225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
)225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
		TRANSFER SWITCH (ONE-LINE DIAGRAM).
_Y		DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
		EARTH GROUND (ONE-LINE DIAGRAM).
CY I	• <u></u>	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
C		METER.
	BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
		VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE
	 ▲	DIAGRAM). DIODE (ONE-LINE DIAGRAM).
		DISCONNECT SWITCH, FUSED.
	Δη	STARTER, COMBINATION WITH DISCONNECT SWITCH.
		STARTER OR MOTOR CONTROLLER.
	•	PUSHBUTTON.
	:	PUSHBUTTONS, MOTOR CONTROL.
		PANELBOARD CABINET, FLUSH MOUNTED.
		PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
		PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
		LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
		TRANSFORMER (SEE ONE-LINE FOR SIZE)
		BUSWAY.

SYMBOL	SIMBOLS LEGEND
	DESCRIPTION
FIRE ALAR	M
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
FATC	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
HVAC	CONTROL PANEL FOR HVAC: SMOKE CONTROL,
	STAIR PRESSURIZATION.
EVAC	VOICE EVACUATION PANEL.
PRE	PRE-ACTION CONTROL PANEL.
MIC	REMOTE VOICE EVACUATION MICROPHONE.
С	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED
	BY FIRE ALARM INSTALLER.
СМ	CONTROL MODULE.
мм	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
F	
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A
	FIRE.
5	MAGNETIC DOOR HOLDER.
2	DETECTOR, SMOKE.
A S	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
I I I I I I I I I I	DETECTOR, SMOKE, BEAM RECEIVER.
∂ _{BT}	DETECTOR, SMOKE, BEAM TRANSMITTER.
() E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.
C G	DETECTOR, SMOKE WITH GUARD.
(2) _S	DETECTOR, SMOKE WITH STROBE.
2 _{AS}	DETECTOR, SMOKE, AIR SAMPLING SYSTEM PORT LOCATION.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE
	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
G FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
RTS	REMOTE ALARM INDICATING AND TEST SWITCH.
	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES
	CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROB
>⊗⊲ 75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES
	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES
75	CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
∅ 75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
CCTV	
P	CCTV CABLE, POWER.
	CCTV CABLE, VIDEO SIGNAL.
ССТУ	CCTV HEADEND EQUIPMENT.
М	CCTV MONITOR.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDUL
PTZ >	CCTV CAMERA WITH PAN, TILT AND ZOOM.
360°	PANNING CAMERA TRANSVERSE ANGLE.
360°	PANNING CAMERA TRANSVERSE ANGLE.
360°	PANNING CAMERA TRANSVERSE ANGLE.
	PANNING CAMERA TRANSVERSE ANGLE. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
SECURITY	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT.
ACC CTR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL.
	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT.
ACC CTR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL.
ACC SECURITY ACC CTR SEC	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE
SECURITY ACC CTR SEC #1	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
SECURITY ACC CTR SEC #1 CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION.
SECURITY ACC CTR SEC #1 CR KCR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL.
SECURITY ACC CTR SEC #1 CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION.
SECURITY ACC CTR SEC #1 CR KCR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL.
SECURITY ACC ACC CTR SEC #1 CR KCR © ER	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST.
SECURITY ACC ACC CTR SEC #1 CR KCR KCR © RL	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON.
SECURITY ACC CTR SEC #1 CR KCR © RL © RL CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER.
SECURITY X ACC CTR SEC #1 CR #1 CR #1 RL Image: Constraint of the second secon	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER.
SECURITY ACC CTR SEC #1 CR KCR © RL © RL CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER.
SECURITY X ACC CTR SEC #1 CR #1 CR #1 RL Image: Constraint of the second secon	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER.
SECURITY ACC CTR ACC CTR SEC #1 CR ER ER ER RL CR CR CR CR CR CR CR CR CR CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER. BUZZER. COMBINATION BELL. CONTROLLED ACCESS POINT.
SECURITY SECURITY ACC CTR ACC CTR EC KCR CR CR CR CR CR CR CR CR	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER. BUZZER. COMBINATION BELL. CONTROLLED ACCESS POINT.
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SECURITY ACC CTR ACC CTR SEC #1 CR ER CR RL CR RL CR CR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CTR CR CR CR CTR CR CR CR CTR CR CR CR CR CR CR CR CR CR C	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER. BUZZER. BUZZER, COMBINATION BELL. CONTROLLED ACCESS POINT. INTERCOM STATION. PANIC DURESS SWITCH.

SYMBOLS LEGEND

ABBREVIATIONS NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

	NOTE: ALL ABBREVIAT	IONS N
1P 1PH	SINGLE POLE SINGLE-PHASE	kVA kVAR
1WAY	ONE-WAY	kW kW
2/C 2WAY	TWO-CONDUCTOR TWO-WAY	kWh LED
3/C	THREE-CONDUCTOR	LED
3WAY 4OUT	THREE-WAY QUADRUPLE RECEPTACLE	LFNC
4PDT	OUTLET	LPS
4PD1 4PST	FOUR-POLE DOUBLE THROW FOUR-POLE SINGLE THROW	LRA
4W 4WAY	FOUR-WIRE FOUR-WAY	LTG LV
A	ABOVE COUNTER	MAT
AC ADA	ARMORED CABLE AMERICANS WITH DISABILITIES	MAX
ADJ	ACT ADJACENT	MC MCA
AFF	ABOVE FINISHED FLOOR	MCB
AFG AIC	ABOVE FINISHED GRADE AMPERE INTERRUPTING	MCC MCP
ALUM	CAPACITY	MDP MG
ALOM	AMPERE	MH
ANN AP	ANNUNCIATOR ACCESS POINT (WIRELESS	MIN MLO
	DATA)	MOC
AR ASC	AS REQUIRED AMPS SHORT CIRCUIT	MTS
ATS	AUTOMATIC TRANSFER SWITCH	NA NC
AV	AUDIO VISUAL	NEC
AWG BB	AMERICAN WIRE GAGE BUCK-BOOST TRANSFORMER	NEM
XFMR BFF	BELOW FINISHED FLOOR	NFC
BFG	BELOW FINISHED GRADE	NFPA
C CAT	CEILING MOUNTED CATEGORY	NIC
CATV	COMMUNITY ANTENNA TELEVISION	NL NO
CB CCBA	CIRCUIT BREAKER CUSTOM COLOR AS SELECTED	NTS OC
	BY ARCHITECT	OCP
CCTV CF/CI	CLOSED CIRCUIT TELEVISION CONTRACTOR FURNISHED/	OE OF/C
CF/OI	CONTRACTOR INSTALLED CONTRACTOR FURNISHED/	OF/O
CFBA	OWNER INSTALLED CUSTOM FINISH AS SELECTED	
	BY ARCHITECT	OFP OH D
CKT CM	CIRCUIT CONSTRUCTION MANAGER	OL PAIR
CND CO	CONDUIT CONVENIENCE OUTLET	PB
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PF PH
СР	CONTROL PANEL	PNL PNM
CT CTV	CURRENT TRANSFORMER CABLE TELEVISION	PS
CU		PT PTZ
dBA DPDT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE	QTY R
DS	THROW DISCONNECT SWITCH	RCP
E EA	ENHANCED EACH	RMC RNC
EM	EMERGENCY	RPM RPP
EMT ENT	ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC	RR
EPO	TUBING EMERGENCY POWER OFF	S/S SCA
EQUIP	EQUIPMENT	SCBA
ER EX	EQUIPMENT ROOM EXISTING	SF
F FA	FURNITURE MOUNTED FIRE ALARM	SFBA
FCP	FIRE ALARM CONTROL PANEL	SPD SPD1
FLA FMC	FULL LOAD AMPS FLEXIBLE METAL CONDUIT	SPEC SPP
FOB FPP	FREIGHT ON BOARD FIBER PATCH PANEL	SPST
FVNR	FULL VOLTAGE NON-REVERSING	ST SWBI
FVR	FULL VOLTAGE REVERSING	SWG TL
GEN GFCI	GENERATOR GROUND FAULT INTERRUPTER	TP
GFP	GROUND FAULT PROTECTION	TP TR
GIG GND	GIGA HERTZ GROUND	TTB TV
HD HID	HEAVY DUTY HIGH INTENSITY DISCHARGE	TVSS
HOA	HAND-OFF-AUTOMATIC	TYP
HP HPF	HORSE POWER HIGH POWER FACTOR	UF UGNI
HPS HV	HIGH PRESSURE SODIUM HIGH VOLTAGE	UPS
HWM	HORIZONTAL WIRE MANAGEMENT	V
HZ	HERTZ	VA VFC/
I/O IG	INPUT/ OUTPUT ISOLATED GROUND	D VWM
IMC	INTERMEDIATE METAL CONDUIT	W/
IN/IS	INSULATED/ ISOLATED	W/O WP
IR J-BOX	INFRARED JUNCTION BOX	WPP XFMF
kV	KILOVOLT	

	NOT BE USED.
	KILOVOLT AMPERE
R	KILOVOLT AMPERE REACTIVE
	KILOWATT
l	KILOWATT HOUR
-	LIGHT EMITTING DIODE
С	LIQUID TIGHT FLEXIBLE METAL CONDUIT
с	LIQUID TIGHT FLEXIBLE
0	NONMETALLIC CONDUIT
	LOW PRESSURE SODIUM
	LOCKED ROTOR AMPS
	LIGHTING
	LOW VOLTAGE
V	MASTER ANTENNA TELEVISION
(SYSTEM MAXIMUM
`	METAL CLAD
4	MINIMUM CIRCUIT AMPS
3	MAIN CIRCUIT BREAKER
)	MOTOR CONTROL CENTER
5	MOTOR CIRCUIT PROTECTION
5	MAIN DISTRIBUTION PANEL
	MOTOR GENERATOR
	MANHOLE
	MINIMUM
)	MAIN LUGS ONLY
CP	MAXIMUM OVERCURRENT
	PROTECTION MANUAL TRANSFER SWITCH
)	NOT APPLICABLE
	NORMALLY CLOSED
2	NATIONAL ELECTRICAL CODE
1A	NATIONAL ELECTRICAL
	MANUFACTURERS
	ASSOCIATION
	NATIONAL FIRE CODE
A	NATIONAL FIRE PROTECTION ASSOCIATION
	NOT IN CONTRACT
	NIGHT LIGHT
	NORMALLY OPEN
	NOT TO SCALE
	ON CENTER
b	OVER CURRENT PROTECTION
	OWNER ELECTRONICS
CI	OWNER FURNISHED/
	CONTRACTOR INSTALLED
JI	OWNER FURNISHED/ OWNER
,	OBTAIN FROM PLANS
DR	OVERHEAD (COILING) DOOR
	OVERLOAD
२	PR
	PUSHBUTTON
	POWER FACTOR
	PHASE
	PANEL
1	PLENUM
	POWER SUPPLY
	POTENTIAL TRANSFORMER
	PAN/TILT/ZOOM
	QUANTITY
)	REMOVE REFLECTED CEILING PLAN
2	RIGID METAL CONDUIT
)	RIGID NONMETAL CONDUIT
1	REVOLUTIONS PER MINUTE
)	RISER PATCH PANEL
	REMOVE AND RELOCATE
	START/STOP
	SHORT CIRCUIT AMPS
A	STANDARD COLOR AS
	SELECTED BY ARCHITECT
	SQUARE FOOT (FEET)
A	STANDARD FINISH AS SELECTED BY ARCHITECT
)	SURGE PROTECTIVE DEVICE
т	SINGLE POLE, DOUBLE THROW
С	SPECIFICATION
1	STATION PATCH PANEL
Т	SINGLE POLE, SINGLE THROW
	SINGLE THROW
3D	SWITCHBOARD
GR	SWITCHGEAR
	TWIST LOCK
	TELECOMMUNICATIONS ROOM TELEPHONE TERMINAL BOARD
	TELEPHONE TERMINAL BOARD
s	TRANSIENT VOLTAGE SURGE
0	SUPPRESSER
	TYPICAL
	UNDERFLOOR
١D	UNDERGROUND
;	
	SUPPLY
	VOLTS
NF	VOLT AMPERE VARIABLE FREQUENCY MOTOR
vvī¯	CONTROLLER
N	VERTICAL WIRE MANAGEMENT
	WITH
)	WITHOUT
	WEATHERPROOF
C	WIRELESS PATCH PANEL
IR	TRANSFORMER

DEFINITIONS NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE." INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION

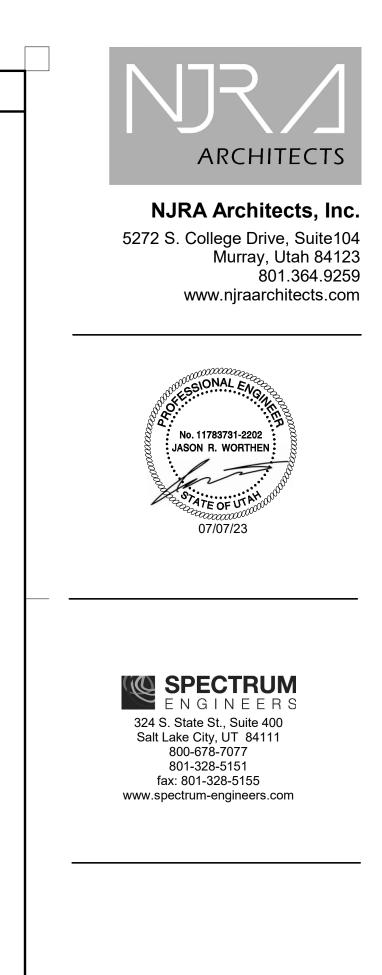
ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

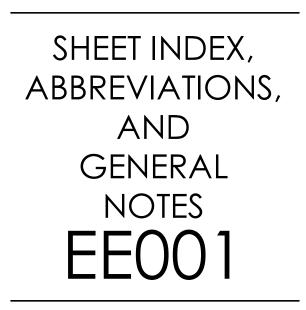
GENERAL ELECTRICAL NOTES

- CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
- A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
- B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
- C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
- ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

l	ELECTRICAL SHEET INDEX
EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE002	TELECOM SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING HEIGHT DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
EP100	LEVEL 1 OVERALL POWER PLAN
EP101	LEVEL 1 POWER PLAN
EP601	ONE-LINE DIAGRAM
EP701	PHILLIPS DRAWINGS
EP702	PHILLIPS DRAWINGS
EP703	PHILLIPS DRAWINGS
EP704	PHILLIPS DRAWINGS
EL101	LEVEL 1 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
ET502	TELECOM DETAILS
ET601	TELECOM RISER DIAGRAMS
EY101	LEVEL 1 AUXILIARY PLAN







CLINIC/HOSPITAL - CABLE/OUTLET COLOR SCHEDULE				
COLOR	TYPE			
BLACK	TV COAX			
BLUE	ANALOG PHONE			
BLUE	DATA			
BLUE	IP SECURITY CAMERAS			
GREY	SECURITY CARD READERS			
ORANGE	CLINICAL ENGINEERING / NURSE CALL			
RED	FIRE SYSTEMS			
RED	FORESEER			
WHITE	PUBLIC ADDRESS			
YELLOW	WIRELESS			
GREEN	VENDOR NETWORK			



COPPER PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)							
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)				
5'	BLUE	20% OF TOTAL PORTS IN TDR'S					
7'	BLUE	60% OF TOTAL PORTS IN TDR'S					
10'	BLUE	20% OF TOTAL PORTS IN TDR'S					

	CLINIC/HOSPITAL - EQUIPMENT	/CABLELIST
	INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITE THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, T	EMS OF SIGNIFICANCE USED DURING THE
ILESS SF STALLAT	PECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT TION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIE	BE LISTED HERE, FOR A COMPLETE ES PRIOR TO BID. IF CATALOG NUMBERS
	ATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOF IT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ITEM DESCRIPTION	ACCEPTABLE TYPES
MBOL	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA STATION CABLE, DATA - CATEGORY 6A FUTP RISER, YELLOW, WIRELESS DATA	SIEMON 9A6R4-A5-06-R1A SIEMON 9A6R4-A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, ORANGE, CLINICAL ENGINEERING STATION CABLE, DATA - CATEGORY 5E RISER, ORANGE, NURSE CALL	SIEMON 9A6R4-A5-09-R1A SIEMON 9CR4-E2-09-RXA
	STATION CABLE, DATA - CATEGORY 5E RISER, GREEN, VENDOR NETWORK 50 PAIR CATEGORY 3 RISER CABLE, GRAY 25 PAIR CATEGORY 3 RISER CABLE, GRAY	SIEMON 9C5R4-E2-07-R1A GENERAL CABLE 2133161.99 OR EQUAL GENERAL CABLE 2133033.99 OR EQUAL
	FORESEER CABLE, 2 PAIR FIBER OPTIC CABLE, MULTIMODE, OM3, 12 STRAND, ARMORED, RISER CABLE, AQUA	BELDEN 88723 SIEMON 9BC5R012G-T312A
	FIBER OPTIC CABLE, SINGLEMODE, 4 STRAND, 2 COND., 14 AWG, INDOOR/OUTDOOR CABLE, BLACKFIBER OPTIC CABLE, SINGLEMODE, 6 STRAND, ARMORED, INDOOR/ OUTDOOR CABLE, BLACKFIBER OPTIC CABLE, SINGLEMODE, 12 STRAND, ARMORED, RISER CABLE, YELLOWFIBER OPTIC CABLE, SINGLEMODE, 24 STRAND, ARMORED, RISER CABLE, YELLOW	CORNING 004ZDF-21X01M20 SIEMON 9BG8R006D-E201A SIEMON 9BC8R012L-E205A SIEMON 9BC8R024L-E205A
₩ F	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/CATEGORY 6A INSERT VOICE OUTLET, TWO GANG BOX MOUNTED	SIEMON MX-WP-Z6AS-SS VIKING ELECTRONICS E-1600-02A
E ▽ P	CATEGORY 6A JACK - DATA, BLUE DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON Z6A-S06 SIEMON 10GMX-FPS04-02
\bigtriangledown	CATEGORY 6A JACK - DATA, ORANGE BLANK INSERT, WHITE	SIEMON Z6A-S09 SIEMON MX-BL-02
P V	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION CATEGORY 6A JACK - DATA, ORANGE DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02 SIEMON Z6A-S09 SIEMON 10GMX-FPS04-02
P ▼	CATEGORY 6A JACK - DATA, BLUE BLANK INSERT, WHITE	SIEMON 70GMX-PP304-02 SIEMON Z6A-S09 SIEMON MX-BL-02
\bigtriangledown	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION CATEGORY 6A JACK - DATA, BLUE	SIEMON 10GMX-FPS04-02 SIEMON Z6A-S06
$\mathbf{\Lambda}$	BLANK INSERT, WHITE DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION CATEGORY 6A JACK - DATA, BLUE	SIEMON MX-BL-02 SIEMON 10GMX-FPS04-02 SIEMON Z6A-S06
F	DATA OUTLET, FURNITURE FACEPLATE, BLACK CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06 SIEMON MX-UMA-01 SIEMON Z6A-S06
	BLANK MODULE, BLACK DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON MX-BL-01 SIEMON 10GMX-FPS04-02
▼ 	CATEGORY 6A JACK - DATA, BLUE BLANK INSERT, WHITE DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON Z6A-S06 SIEMON MX-BL-02 SIEMON 10GMX-FPS04-02
4 ▼ (((•)))	CATEGORY 6A JACK - DATA, BLUE DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON Z6A-S06 SIEMON MX-SMZ2-02
[∦] C	CATEGORY 6A JACK - DATA, YELLOW DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON Z6A-S05 SIEMON 10GMX-FPS04-02
M	CATEGORY 6A JACK - DATA, ORANGE BLANK INSERT, WHITE DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON Z6A-S09 SIEMON MX-BL-02 SIEMON 10GMX-FPS04-02
₩	CATEGORY 6A JACK - DATA, ORANGE BLANK INSERT, WHITE	SIEMON Z6A-S09 SIEMON MX-BL-02
M	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION CATEGORY 6A JACK - DATA, ORANGE	SIEMON 10GMX-FPS04-02 SIEMON Z6A-S09
(TR2)	BLANK INSERT, WHITE DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON MX-BL-02 SIEMON MX-SMZ1-02 SIEMON Z6A-S09
TE	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON MX-SMZ1-02 SIEMON Z6A-S09
TRC	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION CATEGORY 6A JACK - TOTGUARD DATA, ORANGE	SIEMON MX-SMZ1-02 SIEMON Z6A-S09
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION CATEGORY 6A JACK - DATA, BLUE DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ1-02 SIEMON Z6A-S06 SIEMON MX-SMZ2-02
F	FIBER INSERT, DUPLEX LC, SINGLEMODE DUPLEX PHOENIX POWER CONNECTOR	SIEMON MX-F1-LCU-02C CORNING 1LAN-D600-SPK-WH
	MEDIA CONVERTER, UNMANAGED, HARDENED, POE+ INJECTOR/CONVERTER MEDIA CONVERTER, SFP, SINGLEMODE, 1550 NM W/CONNECTORS DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	TRANSITION NETWORKS SI-IES-111D-LRT TRANSITION NETWORKS TN-GLC-ZX-SM-RGD SIEMON MX-SMZ2-02
∆ c	CATEGORY 6A JACK - DATA, BLUE DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM22-02 SIEMON Z6A-S06 SIEMON MX-SMZ1-02
SPP1	CATEGORY 6A JACK - DATA, BLUE 48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6A-S06 SIEMON Z6AS-PA-48
RPP1 SPP2 SPP3	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE 48 PORT, 1RU FLAT PATCH PANEL WITH OUTLETS 24 PORT, 1RU FLAT PATCH PANEL WITH OUTLETS	SIEMON HD5-48A SIEMON Z6AS-PNL-U48K SIEMON Z6AS-PNL-U24K
RPP2 CEPP1	24 PORT, 1RU FLAT PATCH PANEL, 110 STYLE 48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON 2043-PNL-024K SIEMON HD5-24 SIEMON Z6AS-PA-48
NCPP1 TGPP	48 PORT, 2RU ANGLED PATCH PANEL WITH OUTLETS 48 PORT, 1RU ANGLED PATCH PANEL WITH OUTLETS	SIEMON HD5-48A SIEMON Z6AS-PA-48
PPP	24 PORT, 1RU ANGLED PATCH PANEL, 110 STYLE FIBER PATCH PANEL, EXPANDED UNIT FOR FIBER SPLICE TRAY CAPACITY, 3RU SIX POSITION, 12 STRAND, FIBER SPLICE MODULE, LC	SIEMON HD5-24A SIEMON RIC3-E-48-01 SIEMON FSM2-12-LCSM-01
FPP1	FIBER SPLICE TRAY BLANK ADAPTER PLATE, BLACK	SIEMON TRAY-3 SIEMON RIC-F-BLNK-01
FPP2	FSP ADAPTER PANEL, 12 PORT DUPLEX LC, SINGLEMODE FIBER OPTIC BRACKET	HUBBELL FSPLCDS6 HUBBELL REKFP
FPP3	FIBER PATCH PANEL, 3RU SIX POSITION FIBER ADAPTER PANEL, SC BLANK ADAPTER PLATE, BLACK	SIEMON RIC3-48-01 SIEMON RIC-F-SC12-01 SIEMON RIC-F-BLNK-01
FPP4	FIBER PATCH PANEL, WALL MOUNT SIX POSITION FIBER ADAPTER PANEL, ST	SIEMON SWIC3G-CC-01 SIEMON RIC-F-LCU12-01C
	BLANK ADAPTER PLATE, BLACK SC CONNECTOR, APC, SIMPLEX, SINGLEMODE ST CONNECTOR, SIMPLEX, MULTIMODE, OM3	SIEMON RIC-F-BLNK-01 SIEMON FC1-LB-SCA-9GR SIEMON FC1-SA-MM-B80
HWM1 HWM2	HORIZONTAL WIRE MANAGERS, 4RU HORIZONTAL WIRE MANAGERS, FRONT ONLY, 2RU, BLACK	PANDUIT NCMHAEF4 PANDUIT NCNHAEF2
VWM PSU	VERTICAL WIRE MANAGERS, 10" WIDTH, DOUBLE SIDED, BLACK, 8' POWER SUPPLY UNIT, 12 PORT, 1RU	CHATSWORTH 40096-715 CORNING PSU6-1U
	MODULAR POWER SUPPLY, 57 VDC EQUIPMENT RACK 19" x 8', 52 RU, BLACK	CORNING PSM-I CHATSWORTH 55053-715
	DATA CENTER CABINETS 23.6" x 47.3" x 7', 45RU x 600mm x 1200mm, BLACK, WITH 2 SIDES DATA CENTER CABINET, 45RU x 600mm x 1200mm, BLACK, WITH 1 SIDE	DCE E4562121122001S DCE E4562122122001S
	DATA CENTER CABINET, 45RU x 600mm x 1200mm, BLACK DATA CENTER CABINETS 27.6" x 47.3" x 7', 45RU x 700mm x 1200mm, BLACK, WITH 2 SIDES	DCE E4562120122001S DCE E4572121122001S
	DATA CENTER CABINET, 45RU x 700mm x 1200mm, BLACK, WITH 1 SIDE DATA CENTER CABINET, 45RU x 700mm x 1200mm, BLACK WALL MOUNTED CABINET, 48"(H) x 24"(D), 26RU, BLACK, SOLID METAL DOOR	DCE E4572122122001S DCE E4572120122001S CHATSWORTH 11840-748
	WALL MOUNTED CABINET, 48"(H) x 24"(D), 26RU, BLACK, SOLID METAL DOOR WALL MOUNTED RACK, 53.6" H x 17" D, 26RU, BLACK	CHATSWORTH 11840-748 CHATSWORTH 11807-718
	HEAVY DUTY SWING GATE KIT CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 12795-701 CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES BUTT SPLICE KIT, BLACK	CHATSWORTH 10250-718 CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK FOOT KIT, BLACK 6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 11302-701 CHATSWORTH 11309-701 CHATSWORTH 12409-724
	TRIANGLE BRACKETS, BLACK END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 12409-724 CHATSWORTH 11746-724 CHATSWORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK CABLE RUNWAY ELEVATION KIT, 6"	CHATSWORTH 11421-724 CHATSWORTH 10506-706
	CABLE RUNWAY RADIUS DROP PLYWOOD BACKBOARD, 4' X 8', GRADE AC, FIRE TREATED & PAINTED TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	CHATSWORTH 12100-712

PSU	POWER SUPPLY UNIT, 12 PORT, 1R
	MODULAR POWER SUPPLY, 57 VDC
	EQUIPMENT RACK 19" x 8', 52 RU, B
	DATA CENTER CABINETS 23.6" x 47
	DATA CENTER CABINET, 45RU x 600
	DATA CENTER CABINET, 45RU x 600
	DATA CENTER CABINETS 27.6" x 47
	DATA CENTER CABINET, 45RU x 700
	DATA CENTER CABINET, 45RU x 700
	WALL MOUNTED CABINET, 48"(H) x
	WALL MOUNTED RACK, 53.6" H x 17
	HEAVY DUTY SWING GATE KIT
	CABLE RUNWAY - 24", BLACK WITH

CLINIC/HOSPITAL -GENERAL PROJECT NOTES

- 1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- 2. PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- 3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- 4. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- 5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- 6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- 7. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- 8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- 9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
- 10. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT, OR INCIDENTAL OVERSPRAY.

ABBREVIATIONS

	ADDINE VIA HONG
	NOTE: ALL ABBREVIATIONS MAY NOT BE USED.
A CAT EA ER FPP GIG HWM NIC DE PNM PR PR PS RPP SPP FDR	AUGMENTED CATEGORY ENHANCED EACH EQUIPMENT ROOM FIBER PATCH PANEL GIGA HERTZ HORIZONTAL WIRE MANAGEMENT NOT IN CONTRACT OWNER ELECTRONICS PLENUM PAIR POWER SUPPLY RISER PATCH PANEL STATION PATCH PANEL
ΓYΡ	TELECOMMUNICATIONS ROOM

TELECOMMUNICATIONS ROOM TYPICAL VERTICAL WIRE MANANGEMENT

VWM

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

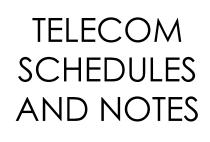
ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...



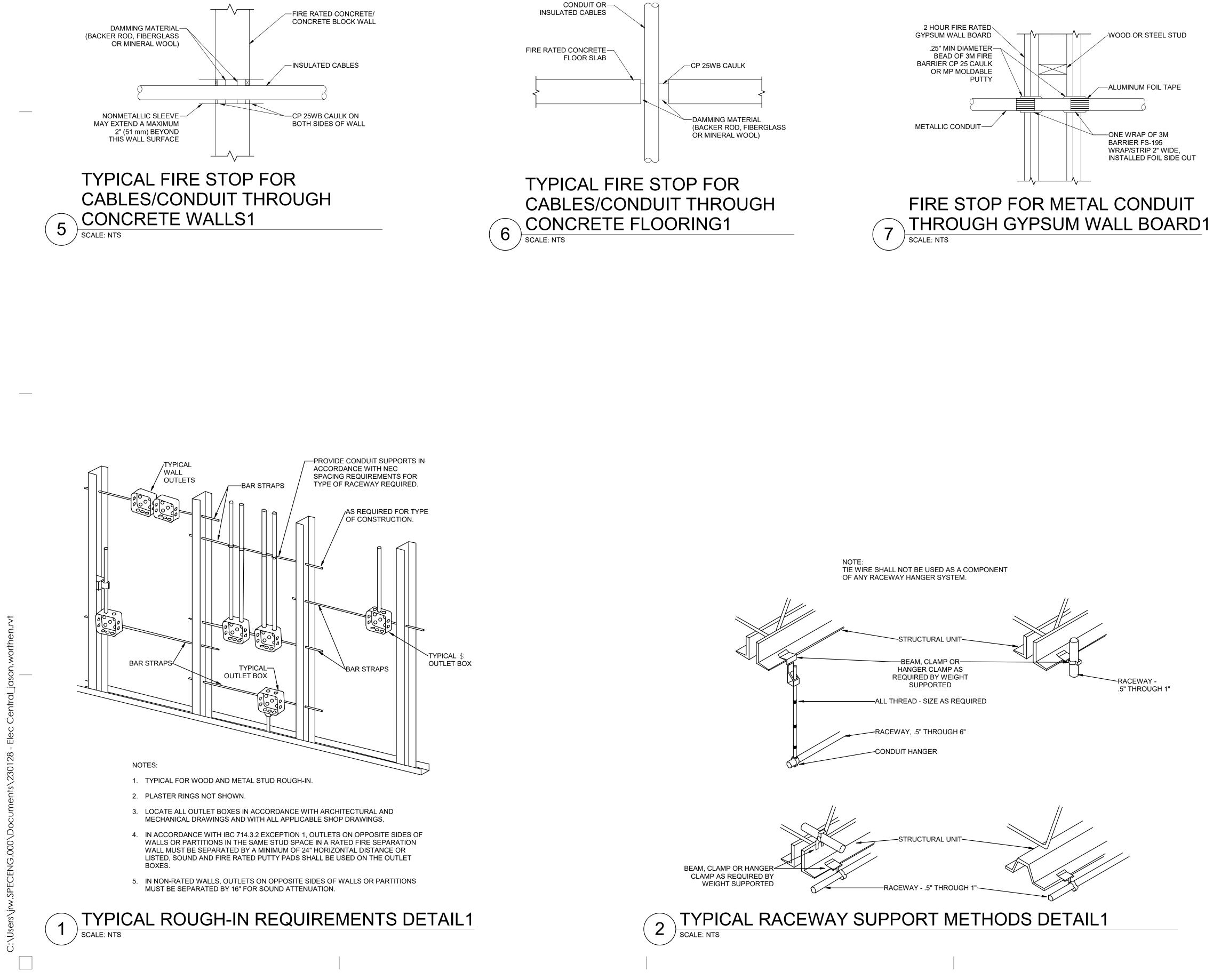


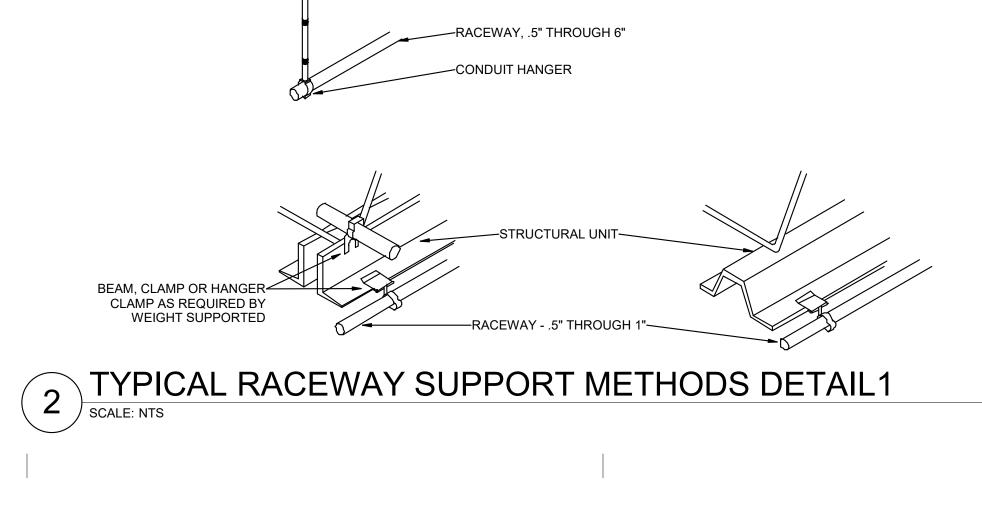


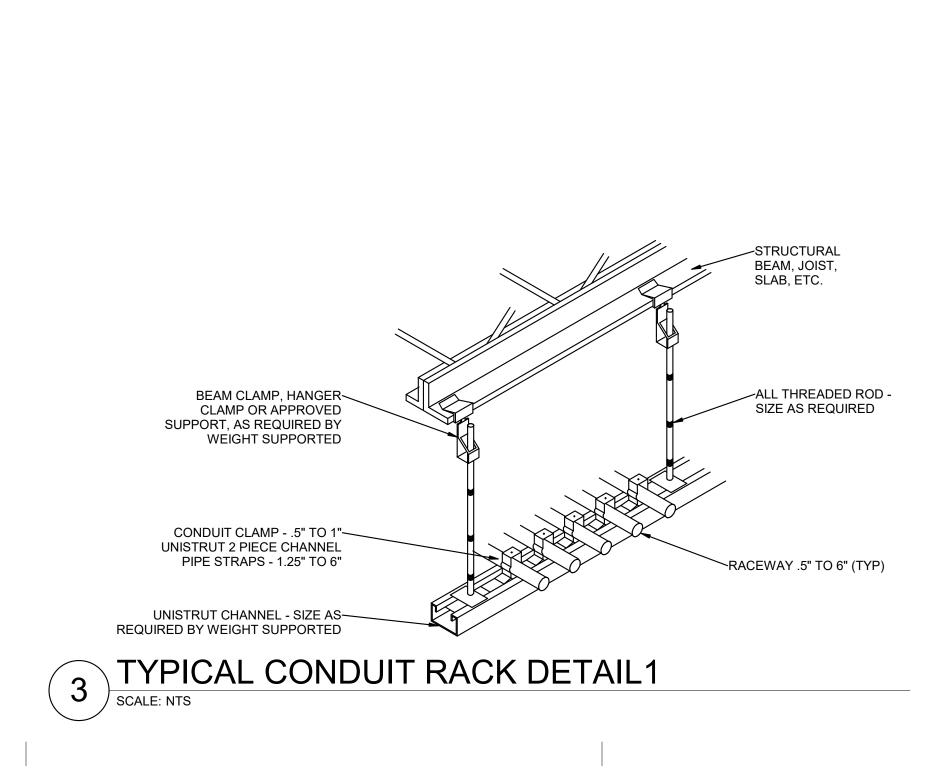


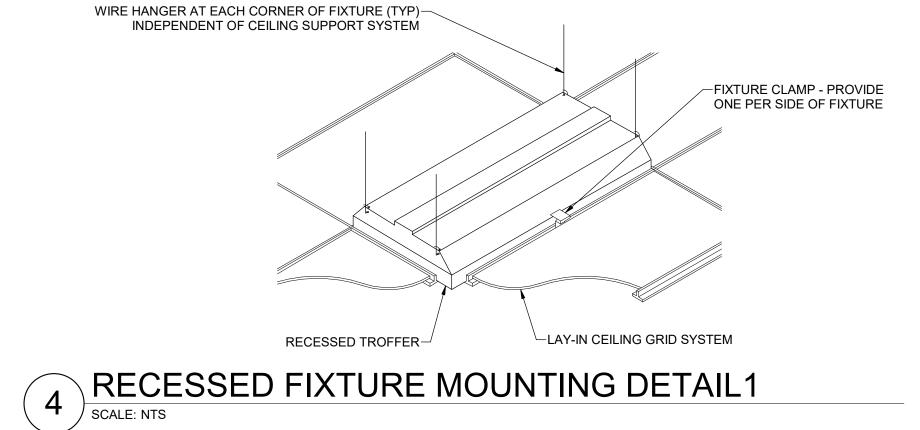








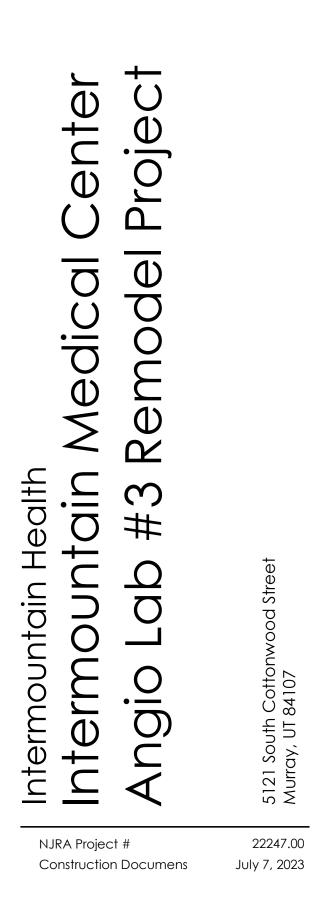






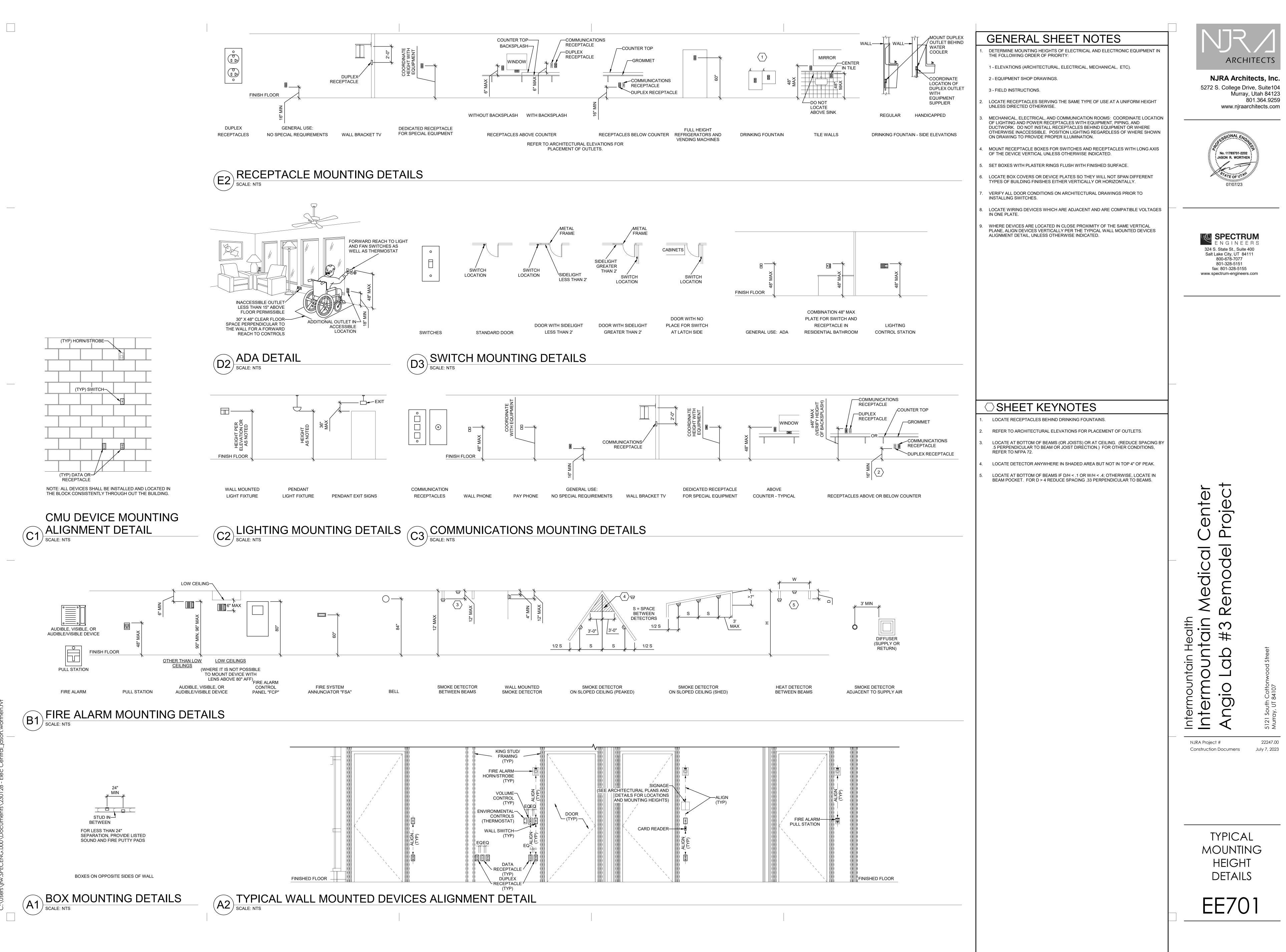


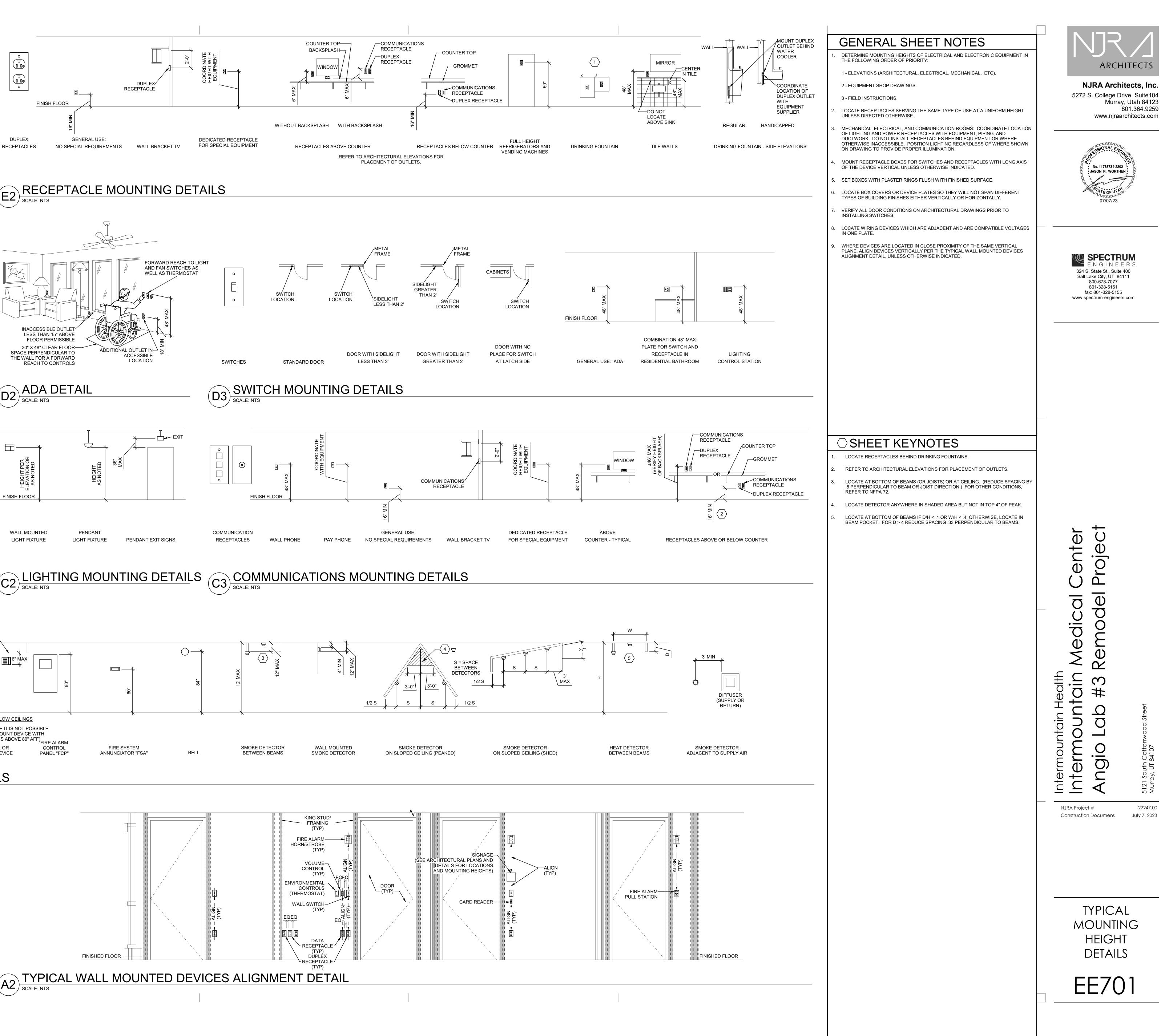




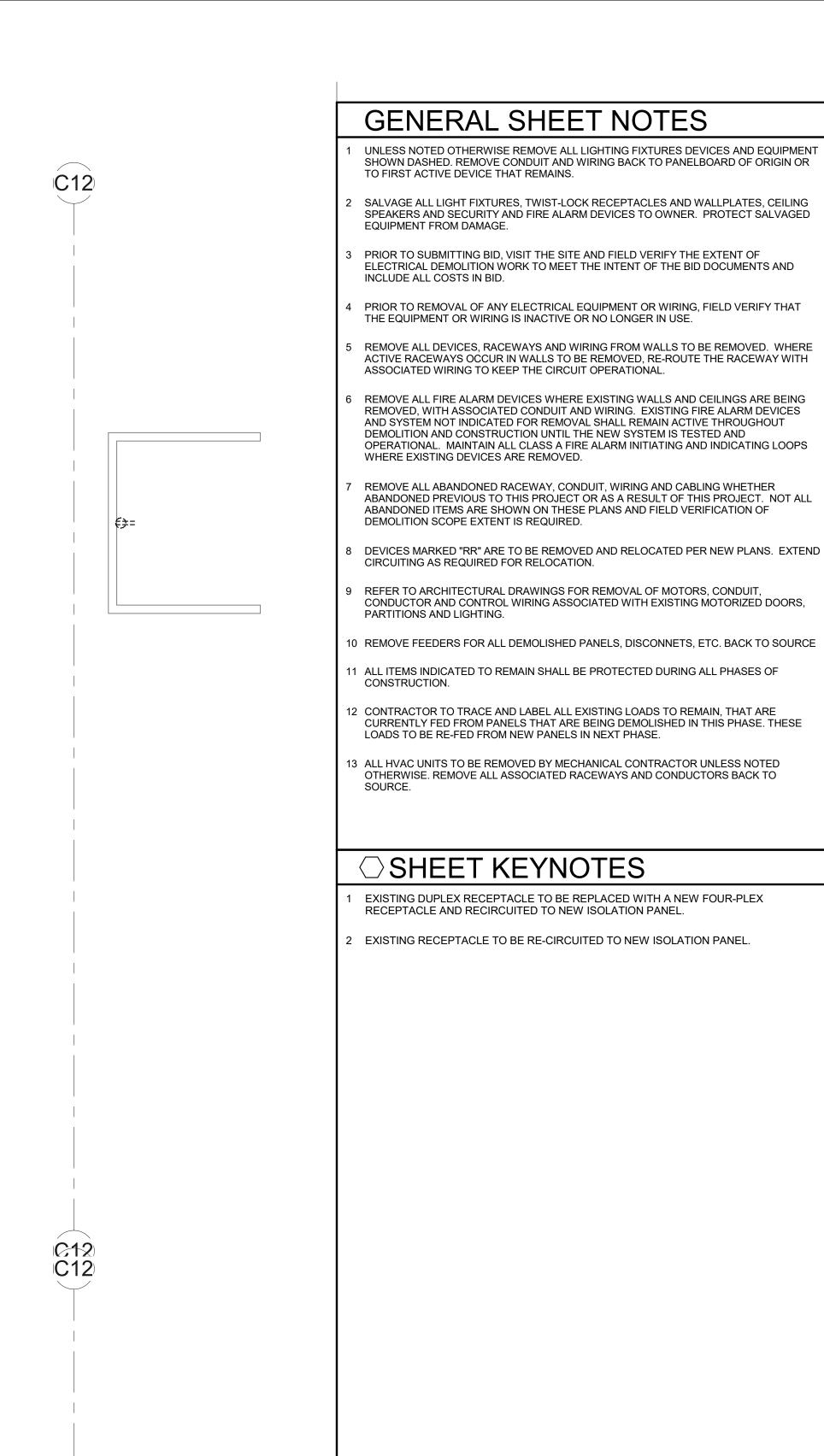
ELECTRICAL DETAILS

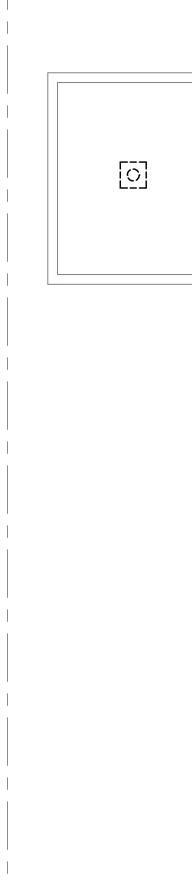


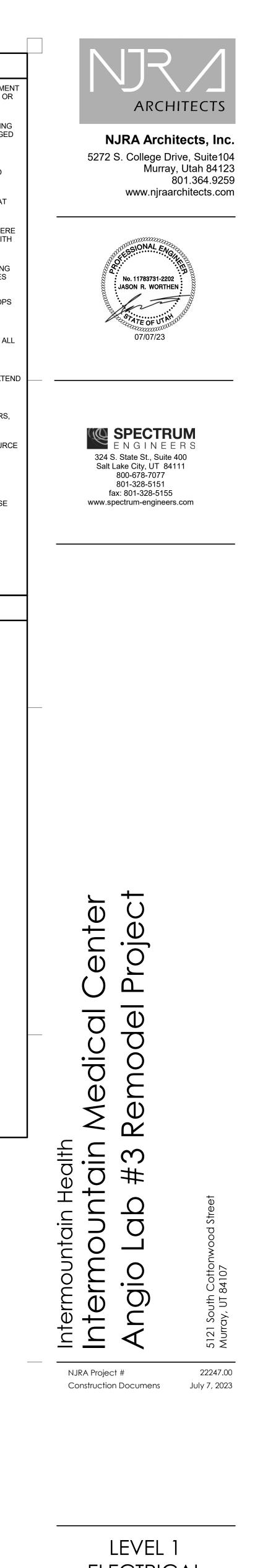




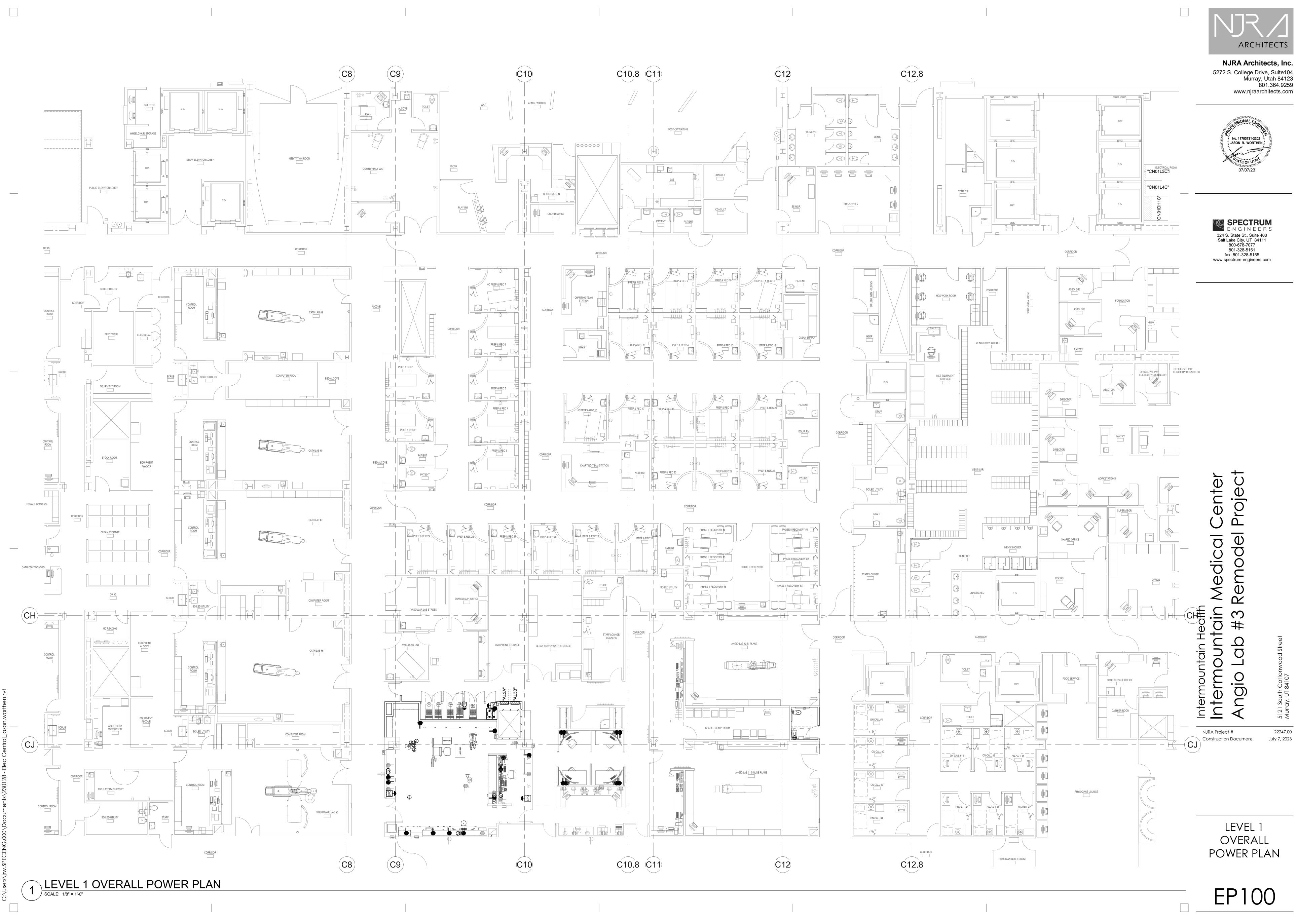


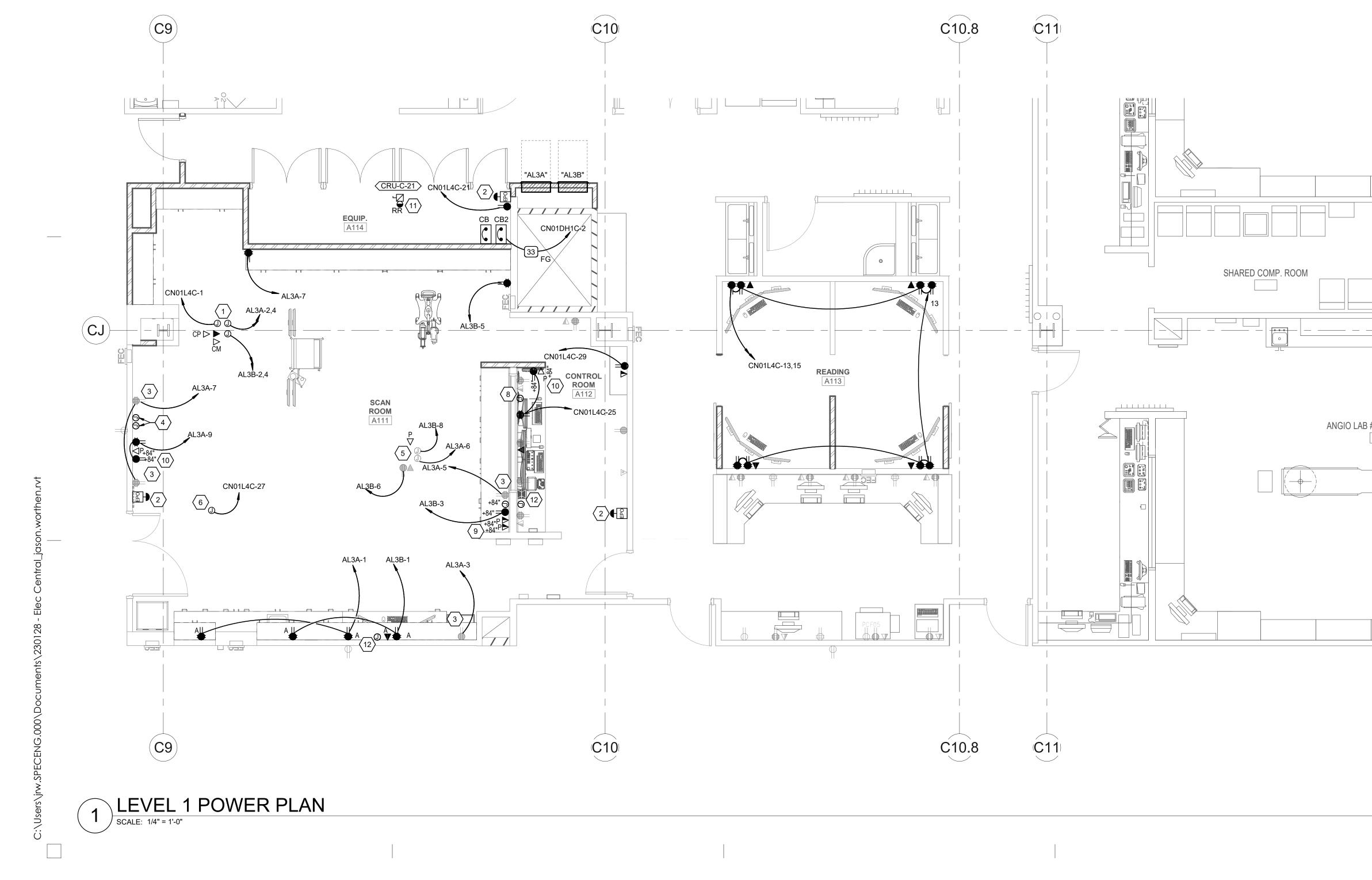






ELECTRICAL DEMOLITION PLAN ED101





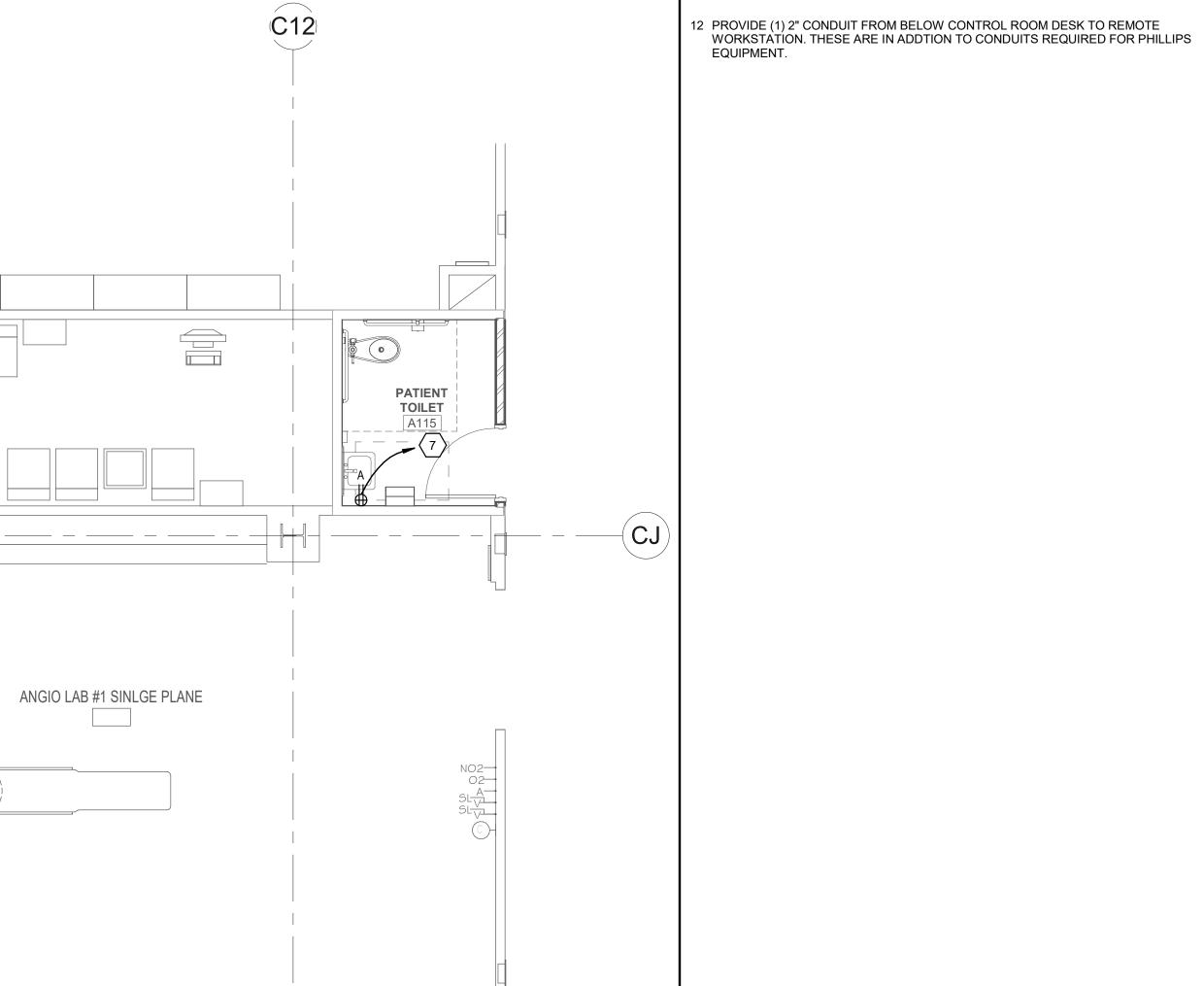
	GENERAL SHEET NOTES
1	PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
2	ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIRMENTS OF NEC 517.13.
3	CONTRACTOR TO REFER TO PHILLIPS & SKYTRON DRAWINGS FOR ADDITIONAL CONTRACTOR RESPONSIBILITIES.
	○ SHEET KEYNOTES
1	PROVIDE (5) 120V CIRCUITS FOR BOOM, TWO FROM EACH ISOLATION PANEL FOR RECEPTACLES AND ONE FROM CRITICAL BRANCH FOR MOTOR/BRAKES, THREE NEWTORK DATA DROPS TO BOOM, ONE PHILLIPS MONITORING DATA DROP AND C POINT TO POINT DROP TO THE MAIN MONITOR. STRUCTURED CABLING INSTALLEF MAKE ALL TERMINATIONS IN BOOM.
2	PROVIDE EMERGNECY POWER OFF SWITCH CONNECTED TO CATH LAB MAIN SHU TRIP BREAKER (MP).
3	RE-CIRCUIT EXISTING RECEPTACLES TO NEW ISOLATION PANEL.
4	PROVIDE A REMOTE ANNUCIATOR (DRA-1V) FOR EACH ISOLATION PANEL IN THE CATH LAB.
5	RE-CIRCUIT THE EXISTING RECEPTACLES IN THE MEDGAS FLOOR PEDESTAL TO T NEW ISOLATION PANELS. PROVIDE ONE CIRCUIT FROM EACH PANEL. PROVIDE ON POINT TO POINT DATA DROP BACK TO MAIN MONITOR.
6	CONTRACTOR TO PROVIDE 120V CIRCUIT TO PHILLIPS EQUIPMENT ITEM M3.
7	CONNECT TO EXISTING RECEPTACLE CIRCUIT THAT PREVIOUSLY FED RECEPTAC IN THIS ALCOVE.

CLOSET. THESE ARE IN ADDITION TO THE CONDUITS REQUIRED FOR PHILLIPS

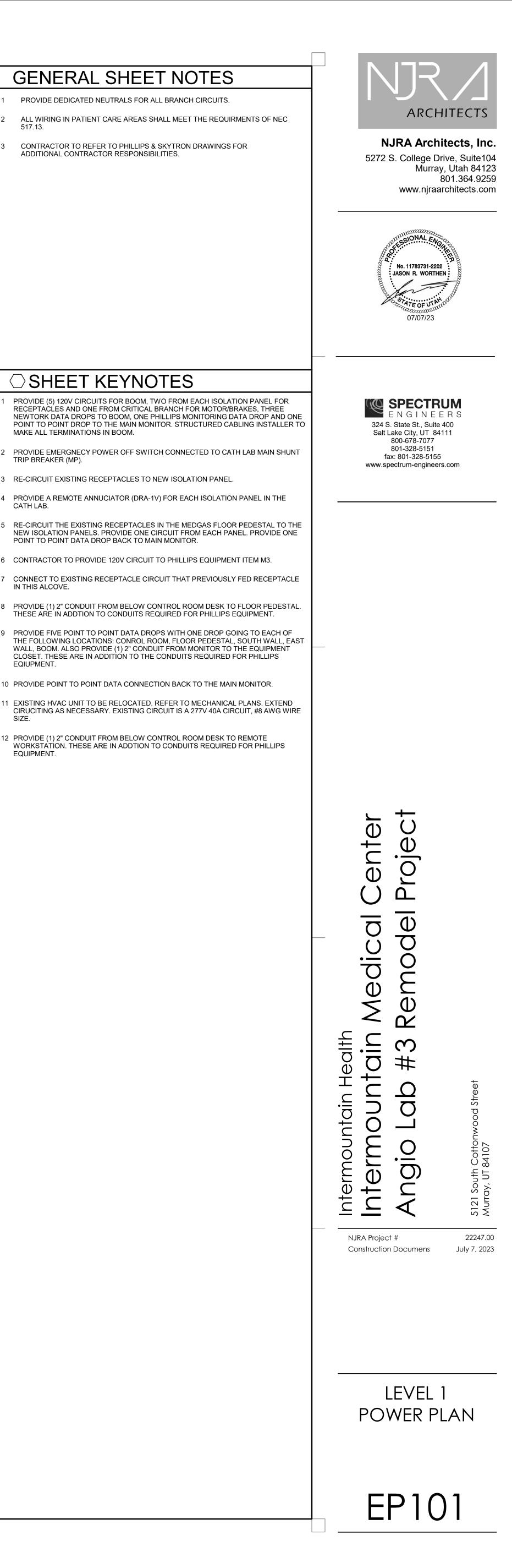
10 PROVIDE POINT TO POINT DATA CONNECTION BACK TO THE MAIN MONITOR.

EQIUPMENT.

SIZE.

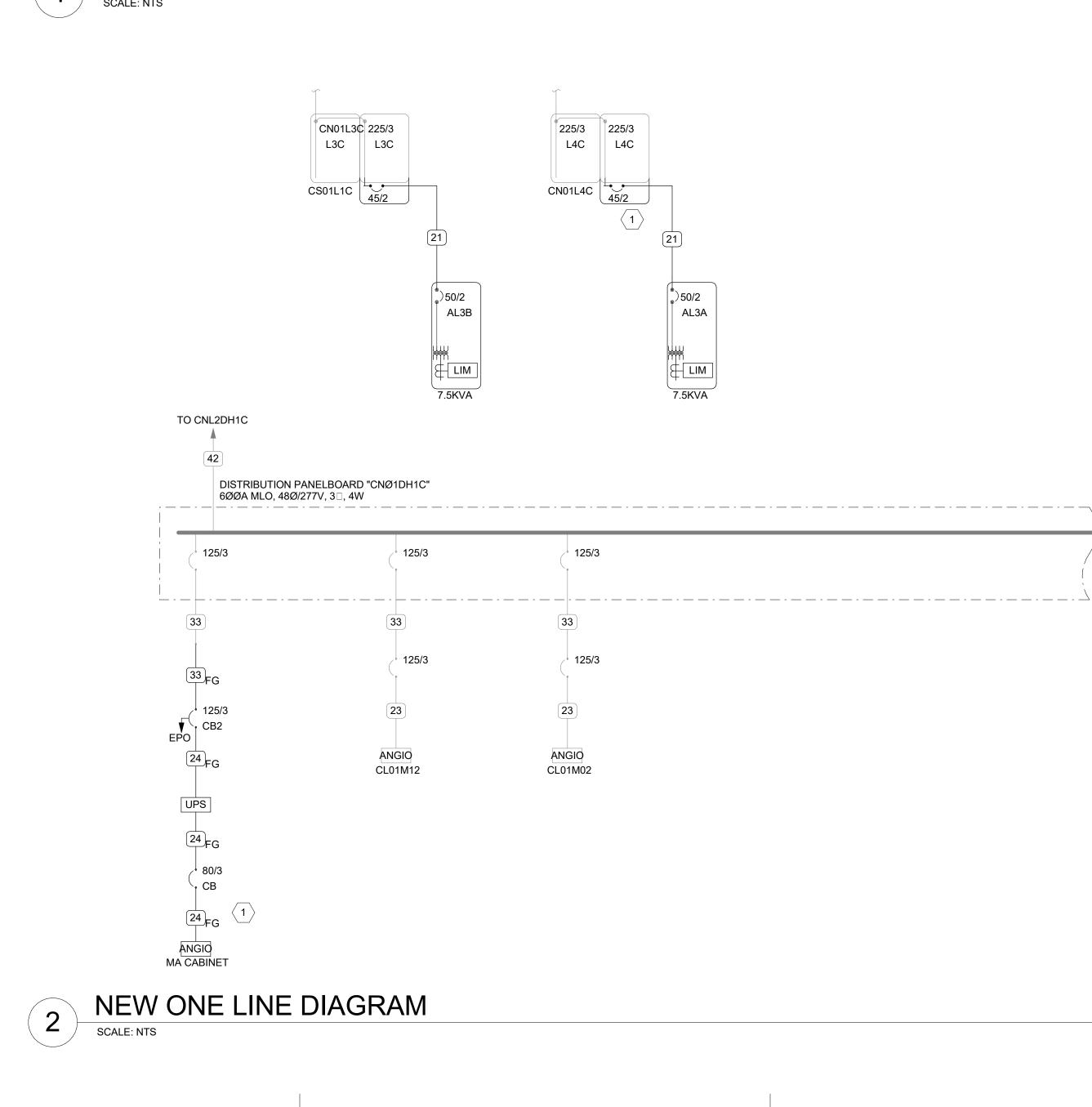


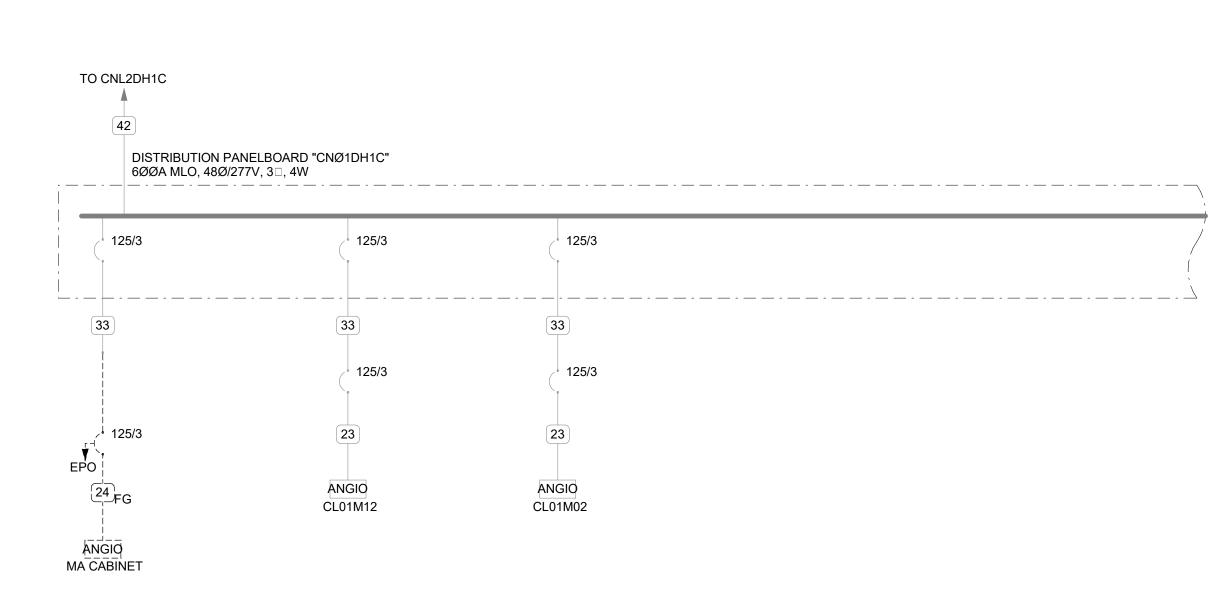
C12



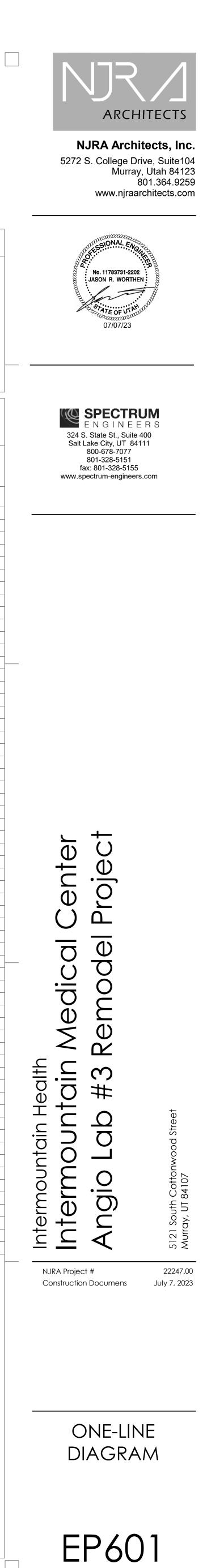
CLIEN	IT: INTER	RMOUNTA	AIN HEALTH			ADBIO	LAB #3			5/23/2023		CIRCUI	TS:	3
PANE	LID: A		MOUN	NT:	FLUSH		BOLT-ON BOLT-ON	120	VOLT 1 PHASE 3 WIRE ISOLA					
50		AMPER			BREAKER	LOCATI				PANEL SIZE:		72"Hx32	2"Wx12"[D
					FICATION, GROUNDING BAR, LINE				MERS,					
INDIC					AINLESS STEEL COVER (BOTH PA	ANEL SECTIONS	S UNDER COMMON COVER)						
CRITICAL BRANCH A SECTION					1			O/C PROT						
CIR #			OUTLETS LTG CO'S		DECODIDITION	LCL	LOAD		DECODIDITION	OUTLETS	PWR			
#	AMP 20		LTG CO'S	PVK	DESCRIPTION EAST CO	0.9	1.2	6.4	DESCRIPTION BOOM CO		PVVR		POLE	
1	20	2	4		EAST CO	0.8	1.2	0.4	BOOM CO	2		20	2	
3	20	2	1		EAST CO	0.2	0.4	0.2	BOOM CO	1		20	2	
5	20	2	1		NORTH CO	0.2	0.6	0.4	PEDESTAL	2		20	2	
7	20	2	2		WEST CO	0.4	0.4	0	SPARE			20	2	
9	20	2	2		SOUTH SO	0.4	0.4	0	SPARE			20	2	
11	20	2			SPARE	0	0	0	SPARE			20	2	
4.0	0.0	-			00105				00405					
13	20	2			SPARE	0	0	0	SPARE			20	2	
15	20	2			SPARE	0	0	0	SPARE			20	2	
PANE 50 ACCE	L ID: A	s: Panel		NT: IDENTIF	FLUSH BREAKER FICATION, GROUNDING BAR, LINE	LOCATION MC	ONITORS, 7.5 KVA, 208-120/2	208 VOLT TRANSP	VOLT 1 PHASE 3 WIRE ISOLA	ATION PANEL		72"Hx32	2"Wx12"[
50 ACCE	L ID: A SSORIE CATOR A	S: PANEL LARMS, II	AMPS MOUN DIRECTORY, NDICATOR LIG	NT: IDENTIF HTS, ST	BREAKER	LOCATION MC	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVER	AVERAGE AI 120 208 VOLT TRANSF	VOLT 1 PHASE 3 WIRE ISOLA			72"Hx32	1:	3
PANE 50 ACCE INDIC	L ID: A SSORIE CATOR A CRITIC	S: PANEL LARMS, II AL BRAN	AMPS MOUN DIRECTORY, NDICATOR LIG	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE	LOCATION MC	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2	AVERAGE AI 120 208 VOLT TRANSF R)	VOLT 1 PHASE 3 WIRE ISOLA	PANEL SIZE:			2"Wx12"[3
PANE 50 ACCE INDIC	L ID: A SSORIE CATOR A CRITIC O/C PF	S: PANEL LARMS, II AL BRAN	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/	LOCATION MC ISOLATION MC ANEL SECTION	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2	AVERAGE AI 120 208 VOLT TRANSF 3) LCL	VOLT 1 PHASE 3 WIRE ISOLA	OUTLETS		O/C PR	0T	3 D
PANE 50 ACCE INDIC	L ID: A SSORIE CATOR A CRITIC O/C PF AMP	S: PANEL LARMS, II AL BRAN COT POLE	AMPS MOUN DIRECTORY, NDICATOR LIG CH B SECTION OUTLETS LTG CO'S	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION	LOCATION MC ANEL SECTION LCLLC KVA	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVEF SECTION 2 DAD	AVERAGE AI 120 208 VOLT TRANSF R) LCL KVA	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION	OUTLETS LTG CO'S		O/C PR AMP	0T POLE	3 D
PANE 50 ACCE INDIC	L ID: A SSORIE CATOR A CRITIC O/C PF	S: PANEL LARMS, II AL BRAN	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/	LOCATION MC ISOLATION MC ANEL SECTION	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2	AVERAGE AI 120 208 VOLT TRANSF 3) LCL	VOLT 1 PHASE 3 WIRE ISOLA	OUTLETS		O/C PR	0T	3 D
PANE 50 ACCE INDIC CIR #	L ID: A SSORIE CATOR A CRITIC O/C PF AMP	S: PANEL LARMS, II AL BRAN COT POLE	AMPS MOUN DIRECTORY, NDICATOR LIG CH B SECTION OUTLETS LTG CO'S	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION	LOCATION MC ANEL SECTION LCLLC KVA	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVEF SECTION 2 DAD	AVERAGE AI 120 208 VOLT TRANSF R) LCL KVA	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION	OUTLETS LTG CO'S		O/C PR AMP	0T POLE	3 D
PANE 50 ACCE INDIC CIR # 1 3	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20	S: PANEL LARMS, II AL BRANG COT POLE 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6	AVERAGE AI 120 208 VOLT TRANSF R) LCL KVA 0.4 0.2 0.2	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO	OUTLETS UTG CO'S UTG 1		O/C PR AMP 20 20	0T POLE 2 2	3 D
PANE 50 ACCE INDIC CIR # 1	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20	S: PANEL LARMS, II AL BRAN OT POLE 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P) DESCRIPTION EAST CO	LOCATION MC ANEL SECTION LCLLC KVA 0.8	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVEF SECTION 2 DAD 1.2	AVERAGE AI 120 208 VOLT TRANSF 3) LCL KVA 0.4	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO	OUTLETS LTG CO'S		O/C PR AMP 20	0T POLE 2	3 D
PANE 50 ACCE INDIC CIR # 1 3	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20	S: PANEL LARMS, II AL BRANG COT POLE 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6	AVERAGE AI 120 208 VOLT TRANSF R) LCL KVA 0.4 0.2 0.2	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO	OUTLETS UTG CO'S UTG 1		O/C PR AMP 20 20	0T POLE 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20	S: PANEL LARMS, II AL BRANG COT POLE 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6 0.6	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA ORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20	0T POLE 2 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5 7 9	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20 20 20	S: PANEL LARMS, II AL BRAN OT POLE 2 2 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE TAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO SOUTH CO SPARE	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4 0.8	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6 0.6 1.2 0	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL SPACE	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2 2 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5 7	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20	S: PANEL LARMS, II AL BRAN COT POLE 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO NORTH CO	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/2 S UNDER COMMON COVEF SECTION 2 AD 1.2 0.6 0.6	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5 7 9	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20 20 20	S: PANEL LARMS, II AL BRAN OT POLE 2 2 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE TAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO SOUTH CO SPARE	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4 0.8	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6 0.6 1.2 0	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL SPACE	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2 2 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5 7 9 9	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20 20 20 20 20 20	S: PANEL LARMS, II AL BRANG COT POLE 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE FAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO NORTH CO SOUTH CO SPARE	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 DAD 1.2 0.6 1.2 0 0	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA ORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL SPACE SPACE	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2 2 2 2 2 2	3 D
PANE 50 ACCE INDIC CIR # 1 3 5 7 9 9 111 13 15	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	S: PANEL LARMS, II AL BRAN COT POLE 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST	BREAKER FICATION, GROUNDING BAR, LINE TAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO NORTH CO SOUTH CO SPARE SPARE	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 AD 1.2 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	AVERAGE AI 120 208 VOLT TRANSF 20 20 20 20 20 20 20 20 20 20 20 20 20	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL SPACE SPACE SPARE	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2 2 2 2 2 2	
PANE 50 ACCE INDIC CIR # 1 3 5 7 7 9 9 11	L ID: A SSORIE CATOR A CRITIC O/C PF AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	S: PANEL LARMS, II AL BRAN COT POLE 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	AMPS	NT: IDENTIF HTS, ST PWR I I I I I I I I I I I I I	BREAKER FICATION, GROUNDING BAR, LINE TAINLESS STEEL COVER (BOTH P/ DESCRIPTION EAST CO NORTH CO NORTH CO SOUTH CO SPARE SPARE	LOCATION MC ANEL SECTION LCLLC KVA 0.8 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	25 BOLT-ON BOLT-ON ON: DNITORS, 7.5 KVA, 208-120/3 S UNDER COMMON COVEF SECTION 2 AD 1.2 0.6 0.6 0.6 0.6 0.6 0.6	AVERAGE AI 120 208 VOLT TRANSF 208 VO	VOLT 1 PHASE 3 WIRE ISOLA FORMERS, DESCRIPTION BOOM CO BOOM CO PEDESTAL CO PEDESTAL SPACE SPACE SPARE SAPRE	OUTLETS LTG CO'S 1 1 1 1		O/C PR AMP 20 20 20 20 20 20 20 20 20 20	0T POLE 2 2 2 2 2 2 2 2 2 2 2 2 2	



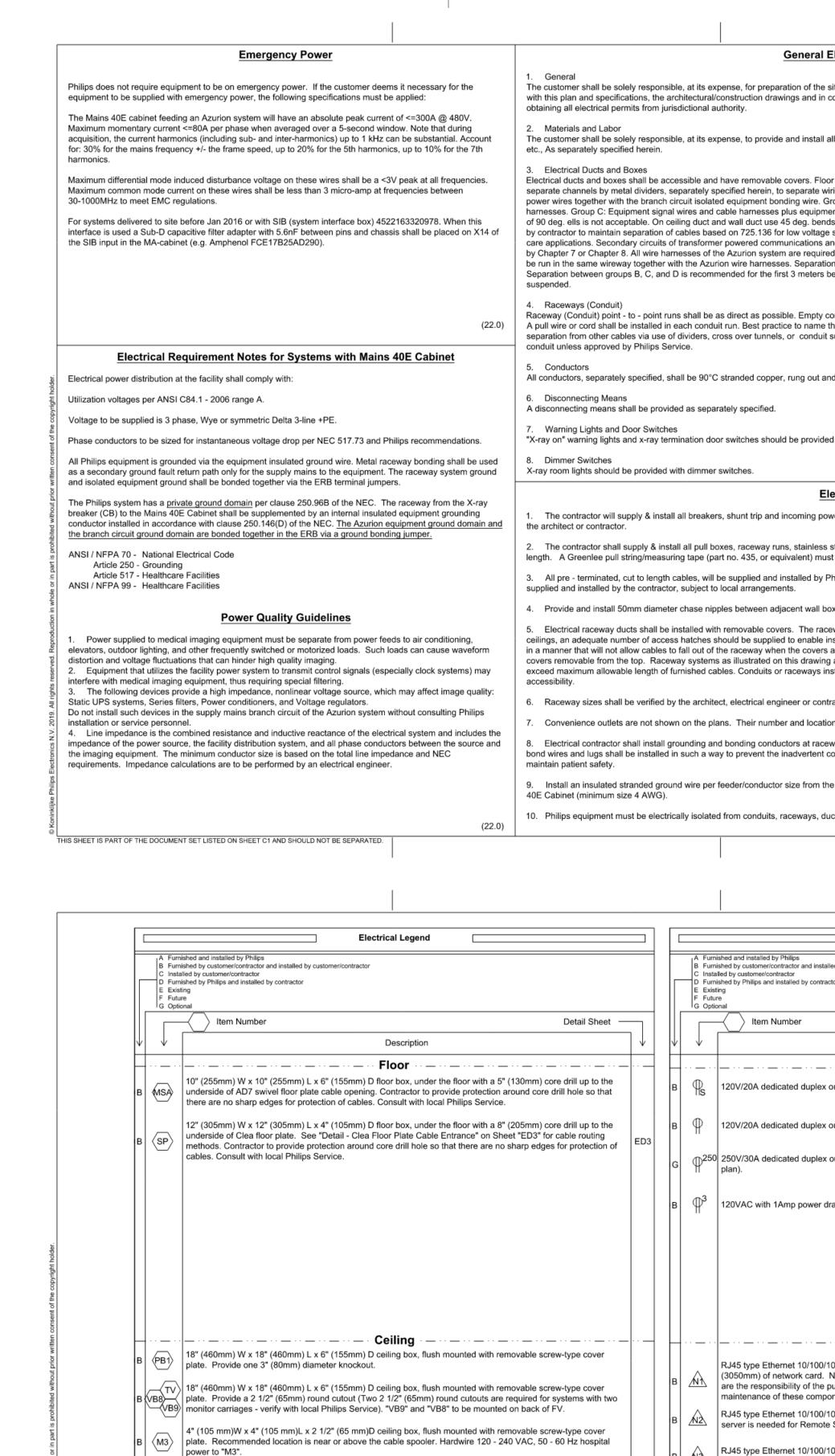




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**	SCI	HEDULE NUMB	ER		(E.G	.) 5	5	
SYM	SUI	BSCRIPT (NOTE		JCTOR(N		IG	SE	NOTES
(1)	20	.75	QTY 2	SIZE 12	GR 12	12	8	2
2	20	.75	3	12	12	12	8	2,3
<u>3</u> 4	20 30	.75	4	12 10	12 10	12 10	8 8	2,3
5	30	.75	3	10	10	10	8	2
6	30	.75	4	10	10	10	8	2
8	40 40	1	2	8	10 10	8	6 6	2 2
9	40	1	4	8	10	8	6	2
10	55	1	2	6	10	8	4	2
<u>(11)</u> (12)	55 55	1 1.25	3	6 6	10 10	8 8	4	2 2
13	70	1	2	4	8	4	2	2
14	70	1.25	3	4	8	4	2	2
<u>[15]</u> [16]	70 85	1.25 1.25	4 2	4	8 8	4	2 2	2 2
17	85	1.25	3	3	8	3	2	2
18	85 95	1.25 1.25	4	3 2	8 8	3 2	2	2 2
20	95	1.20	4	2	8	2	2	2
21	130	1.50	3	1	6	2	2	2
22	130 150	1.50 2	4	1 1/0	6 6	2 2	2 1/0	2
24	150	2	4	1/0	6	2	1/0	2
25	175	2	3	2/0	6	2	2/0	2
26	175 200	2	4	2/0 3/0	6 6	2 2	2/0 2/0	2
28	200	2.50	4	3/0	6	2	2/0	2
29	230	2.50	3	4/0	4	2	2/0	2
<u>(30)</u> (31)	230 255	2.50	4	4/0 250	4	2 1	2/0 2/0	2
32	255	2.50	4	250	4	1	2/0	2
33	310	3	3	350	3	1/0	3/0	2
<u>(34)</u> (35)	310 380	3.50	4	350 500	3	1/0 3/0	3/0 3/0	2
36	380	4	4	500	3	3/0	3/0	2
37	400	2 EA 2	3	3/0	3	3/0	3/0	2
<u>(38)</u> (39)	400 510	2 EA 2.50 2 EA 2.50	4	3/0 250	3 1	3/0 4/0	3/0 3/0	2
40	510	2 EA 3	4	250	1	4/0	3/0	2
(41)	620	2 EA 3	3	350	1/0	4/0	3/0	2,4
(42) (43)	620 760	2 EA 3 2 EA 3.50	4	350 500	1/0 1/0	4/0 4/0	3/0 3/0	2,4 2,4
44	760	2 EA 4	4	500	1/0	4/0	3/0	2,4
45	855	3 EA 3	3	300	2/0	4/0	3/0	2,4
<u>(46)</u> (47)	855 1000	3 EA 3 3 EA 3.50	4	300 400	2/0 2/0	4/0 4/0	3/0 3/0	2,4
48	1000	3 EA 3.50	4	400	2/0	4/0	3/0	4
49	1140	3 EA 4	3	500	3/0	4/0	3/0	4
<u>50</u> 51	1140 1240	3 EA 4 4 EA 3	4	500 350	3/0 3/0	4/0 4/0	3/0 3/0	4
52	1240	4 EA 3	4	350	3/0	4/0	3/0	4
53	1675	5 EA 4	4	400	4/0	4/0	4/0	4
<u>54</u> 55	2010 2660	6 EA 4 7 EA 4	4	400 500	250 350	250 350	250 350	4 4
56	3040	8 EA 4	4	500	500	500	500	4
57	4180	11 EA 4	4	500	500	500	500	4
<u>(58)</u> (59)		5 EA 4						6 6
60		10 EA 4						6
	CONDU	CTOR AND CO	NDUIT SC	CHEDUL	E NOTES	6		·
1.		CTORS SHOWN						
		JNLESS OTHER			ALL OU	NDOON		OWNARL
2.								
		CIRCUIT BREAK I IN TABLE.	LLUS AKI	_ JIZED	GREAT		v ∼ivi⊬El	
3.		E #10 NEUTRA	LS FOR N	NULTIW	RE BRA	NCH CIF	RCUITS	SERVING
	COMPU							
4.	_	LSUBSCRIPTS						
		INCLUDE TWO PHASED AND N					D AS SO	CHEDULED
		FULL SIZE GR					IDING	
		DUCTOR TO BE						UCTORS.
		ILINEAR" LOAD ORDINGLY. PR						
	GRO	UNDING COND	UCTOR.	- - * -	\ -			
	GRO "IG": SCHI		UCTOR. NSULATE					





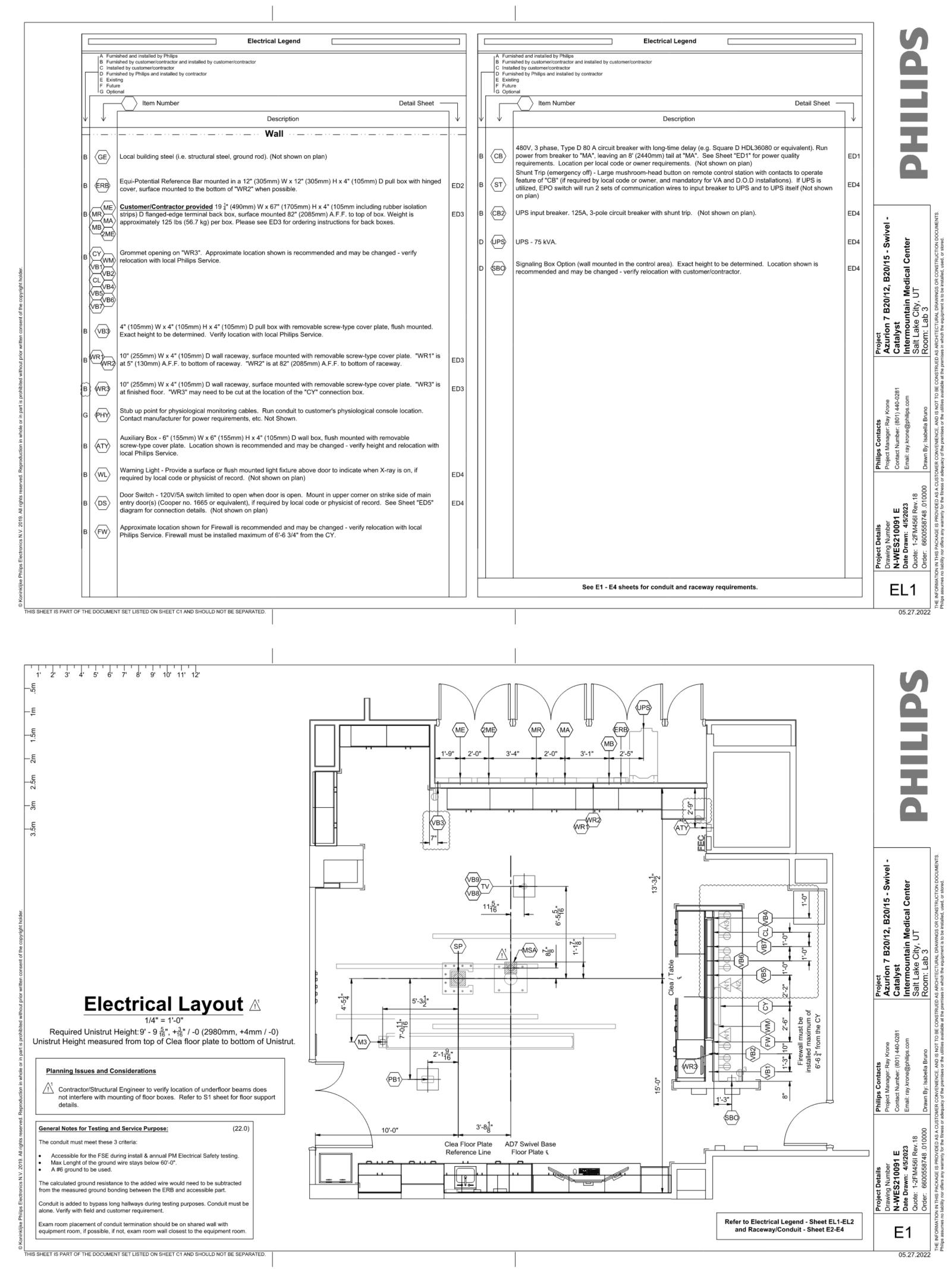


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eral Electrical Information			1	U	
f the site, including any required electrical alterations. The site preparation shall be in accordance and in compliance with all safety and electrical codes, the customer shall be solely responsible for					
stall all electrical ducts, boxes, raceways (conduits, wireways, auxiliary gutters etc.), fittings, bushing,					
E. Floor ducts and boxes shall have watertight covers. Ducts shall be divided into as many as four ate wiring and/or cables into groups as follows: Group A: Branch circuit equipment supply mains ire. Group B: Equipment Secondary Circuit AC supply and associated isolated ground cable/wire uipment low-voltage DC supply cable/wire harnesses. Group D: X-Ray high-voltage cables, the use bends at all corners. All intersecting points in duct to have cross over tunnels supplied and installed oltage signaling cables and conductors and 517.80 for communications and signaling cables in health ons and signaling systems are not required to be enclosed in raceways unless otherwise specified equired to be run in a raceway (wireway) dedicated to Azurion wire harnesses. No foreign wiring shall be aration between Group A and other groups is mandatory along the full run of group A wires.					
npty conduit runs used for cables may require pull boxes located along the run. Consult with Philips. ame the physical conduit. All conduits which enter duct prior to their termination point must maintain nduit supplied and installed by contractor from entrance into duct to exit from duct. Do not use flex		- Swivel -		enter	
out and marked.		B20/12, B20/15 - Swivel		edical Ce	
ovided at all entrances to x-ray rooms as required by code. (19.0)		~	Catalyst	Intermountain M	Salt Lake City, UT Room: Lab 3
Electrical Notes	–	_	-	_	
ng power to the breakers. The exact location of the breakers and shunt trips will be determined by					
nless steel covers, etc. Conduit/raceways must be free from burrs and sharp edges over its entire t) must be provided with raceway runs to validate runs are within length restrictions.		one	40-0281	com	
by Philips. All cables and conductors to the equipment supply mains branch circuit breaker shall be	icts	Project Manager: Ray Krone	Contact Number: (801) 440-0281	Email: ray.krone@philips.com	Drawn By: Isabella Bruno
vall boxes.	Cont	lanage	Numbe	y.krone	v: Isabe
e raceway should be accessible for the entire length. In case of non - accessible floors, walls and able installation of cabling. Approved raceways may be substituted. All raceways will be designed overs are removed. In most cases, this will require above - ceiling raceway to be installed with the awing are based upon length of furnished cables. Any changes in routing of raceway systems could	Philips Contacts	Project N	Contact	Email: ra	Drawn B
ays installed above ceilings must be kept as near as practicable to finished ceilings and still permit					8000
r contractor, in accordance with local or National Electrical Code, whichever govern.			ш	2023	1-2FM456I Rev.18 6600558748 .010000
ocation are to be specified by the customer/architect.	ils	nber	0091	4/5/	M456)55874
t raceway openings within wall boxes as required by national and local electrical codes. Ground tent contact with the installed Philips equipment to maintain Philips isolated ground scheme and	Project Details	Drawing Number	N-WES210091	Date Drawn: 4/5/2023	Quote: 1-2F Order: 6600
om the Main Disconnect (CB) to the ERB (minimum size 4 AWG) and from the ERB to the Mains	Å	ŏ	ż	õ	đŏ
ys, ducts, seismic anchoring, floor anchoring, etc. (18.0)			E	N	
		_		-	-

05.27.202

Electrical Legend Imished and installed by Philips Insished by customer/contractor isting Item Number Detail Sheet Item Number Description Item Number Item Number	
mished by customer/contractor and installed by customer/contractor stalled by customer/contractor isting ture bional	
Item Number Detail Sheet Description	
Duplexes	
Duplexes	
120V/20A dedicated duplex outlet for service in the equipment room. (Not shown on plan) 120V/20A dedicated duplex outlet.	
50 250V/30A dedicated duplex outlet for optional third party equipment (e.g. Spectranetics Laser - Not shown on	
	<u>+</u>
120VAC with 1Amp power draw SBO (Signaling Box Option)	- Swivel
Network Connectors	Project Azurion 7 B20/12, B20/15 - Sw Catalyst Intermountain Medical Center Salt Lake City, UT
RJ45 type Ethernet 10/100/1000 Mbit network connector with access to customer's network. Locate within 10' (3050mm) of network card. Network fiber optic and Ethernet cabling, connectors, wall boxes, patch panels, etc. are the responsibility of the purchaser. Philips assumes no responsibility for procurement, installation, or	Project Azurio Catalys Intermo Salt Lal
maintenance of these components. RJ45 type Ethernet 10/100/1000 Mbit network connector. Access to customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity.	Krone) 440-0281 lips.com
RJ45 type Ethernet 10/100/1000 Mbit network connector with access to customer's network. Required for Collaboration Live to access from the network of the healthcare facility to the internet for outbound connections.	Philips Contacts Project Manager: Ray Krone Contact Number: (801) 440-0281 Email: ray.krone@philips.com
	Project Details Drawing Number N-WES210091 E Date Drawn: 4/5/2023 Quote: 1-2FM4561 Rev.18
See E1 - E4 sheets for conduit and raceway requirements.	EL2





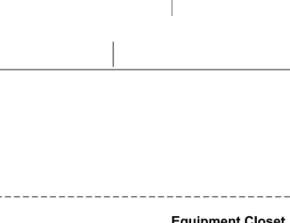


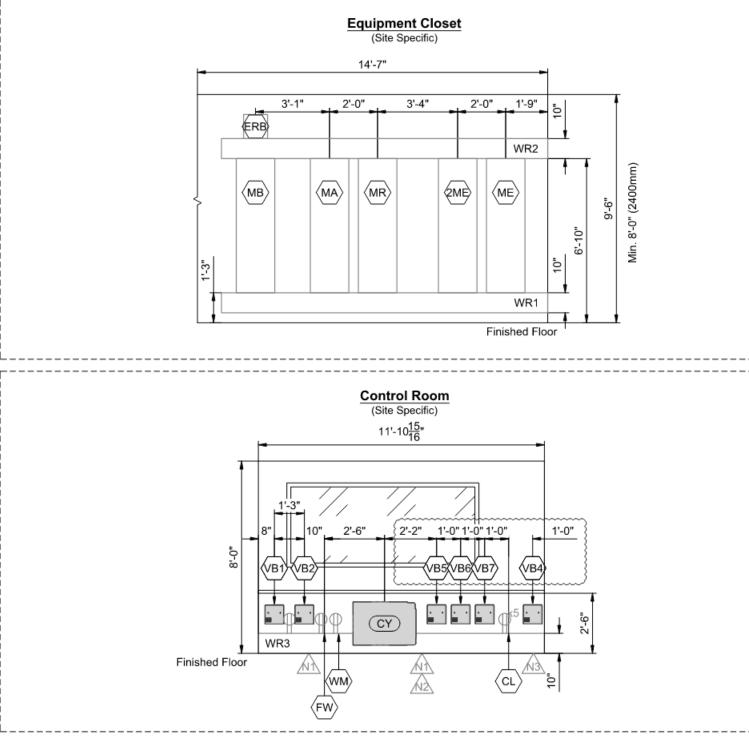




PHILLIPS DRAWINGS

EP701





THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

Γ									Raceway	(Conduit)	Required							Raceway	(Conduit) Required		
	,		All	0.000	100-	4it)	must	aka -		eneral Note			4	All		nduit) =			neral Notes		
	2									35, or equiv	to point. valent) must be provided with raceway (conduit) runs		2.						oute point to point.		
	B C D E	Ra Ra Ra Ra Ra	ceway (ceway (ceway (ceway (ceway (Conduit Conduit Conduit Conduit Conduit	it) suppl its) and it) existin it) existin it) existin	ied/installer cables sup ng - cables ng - cables	I by contra plied and i supplied a supplied b supplied a	actor - F nstalled and insta by Philip and insta	Philips cables by contractor alled by Philip	installed by con r s d by contractor	tractor * Ground * Signal		B R C R D R E R F R	laceway (C laceway (C laceway (C laceway (C laceway (C laceway (C	onduit) sup onduits) an onduit) exis onduit) exis onduit) exis	oplied/installed b nd cables supplie sting - cables su sting - cables su	y contractor ad and instal pplied and ir pplied by Ph pplied and ir	 Philips cables i led by contractor stalled by Philip ilips and installed stalled by contra 	stalled by contractor	* P Power (AC) D Power (DC) G Ground S Signal H High Tension C Cooling Hose A Air Supply Hose	
		Run	way (C From	-	·	Racewa (Condui Quantity	i) Typ		Raceway (Conduit)	Maximum (Raceway) Conduit	Special Requirements		Run	eway (C	onduit) To	Raceway (Conduit) Quantity	Cable Type (*)	1,	(Raceway) Conduit	Special Requirements	
F	+	No. 61	WR2	+	$\rightarrow +$	1	G		Size Per N.E.C.	Length Per N.E.C.		ľ	/ No.					Size	Length		-
	c	62	СВ2	\rightarrow	PS	1	P			Per N.E.C.											
	c	63	СВ2	$\mid >$	ят)	1	Р			Per N.E.C.											
	с	64	UPS	$ \langle s \rangle $	т	1	s	F	Per N.E.C.	Per N.E.C.											
	с	65	UPS		з	1	P	F	Per N.E.C.	Per N.E.C.											
	с	66	СВ			1	P	F	Per N.E.C.	Per N.E.C.	Conduit must hit WR2 raceway.										
	c	67		\mid	^_	1	s			Per N.E.C.											
	<u>c</u>	68 ·	(SBO)		₽\$}_	1		- F	Per N.E.C.	Per N.E.C.	For Signaling Box.										
																					Project
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E2

05.27.2022

								eneral Note
		1. 2.	All race A Greer	way (cor nlee pull	iduit) runs n string/meas	nust take uring tape		route point 1 35, or equiv
		1	aceway (Co	onduit) supp	plied/installed b	y contractor	Philips cables	installed by Phil
		C R	aceway (Co	onduits) and	d cables supplie ting - cables su	d and install	ed by contracto	r
		E R	aceway (Co	onduit) exis	ting - cables su	pplied by Phi	lips and installe	ed by contractor
					ting - cables su ify with local Ph			
		Race	eway (Co	onduit)	Raceway (Conduit)	Cable Type	Minimum Raceway	Maximum (Raceway)
	$ \downarrow$	Run No.	From	То	Quantity	(*)	(Conduit) Size	Conduit Length
	с	1	(ERB)	GE	1	G	3" 4	6'
	с	2	(ERB)	Room Outlets	1	G	3" 4	-
	с	3	MA	(WL)	1	P	3"	55'
ε <u>΄</u>	с	4	(ATY)	DS	1	s	3" 4	55'
cumer	А	5	(ATY)		1	s	2 ¹ / ₂ "	41'
ON DO.	А	6	(ATY)	$\langle \overline{v} \rangle$	1	s	3" 4	65'
ed, or s	А	7	SP	ME	2	с	1 ¹ / ₂ "	44'
lied, us bider.	A	8	SP	ME	1	P/G	1 <u>1</u> "	52'
os or or of the instance of th	A	9	SP	ME	1	s	1"	52'
RAWING RAWING	A	10	SP	ME	1	н	2 ¹ / ₂ "	50'
uipmei	A	11	SP	MR	1	P/G	2"	47'
the e the e conse	A	12	SP	MR	1	s	2 ¹ / ₂ "	47'
IT TO BE CONSTRUED AS ARCHITECTURAL DRAWINGS OR CON es available at the premises in which the equipment is to be installed, is prohibited without prior written consent of the copyright holder	А	13	SP	MA	1	s	2"	50'
ED AS emises it prior	А	14	MSA	MA	1	S	3"	39'
withou	A	15	MSA	MA	1	Р	1 ½"	39'
hibited	A	16	MSA	MR	1	P/G	2"	39'
01 TO Tiles ave	А	17	MSA		1	s	2"	39'
the util	А	18	TV	MA	1	Р	1 ½"	55'
VCE, At hises or hole o	А	19	$\langle TV \rangle$	MA	1	s	2 ¹ / ₂ "	55'
VENIE/	А	20	$\langle TV \rangle$		1	Р	2"	55'
acy of t	А	21	$\langle TV \rangle$	мв	1	s	1 ½"	55'
adeque d. Rep	А	22	$\langle TV \rangle$	мв	1	P/G	1 ½"	55'
A CUS	А	23	(TV)	(wm)	1	s	3" 4	65'
DED AS	А	24	Сү		1	S	2"	55'
PROVII Irranty f	A	25	CY		1	P/G	1 <u>1</u> "	55'
AGE IS any wa	A	26	CY		1	s	2 <u>1</u> "	55'
THE INFORMATION IN THIS PACKAGE IS PROVIDED AS A CUSTOMER CONVENIENCE. AND IS NOT TO BE CONSTRUCTURE DAS ARCHITECTURAL DRAWINGS OR CONSTRUCTION DOCUMENTS Philips assumes no liability nor offers any warranty for the fitness or adequacy of the premises or the utilities available at the premises in which the equipment is to be installed, used, or stored. (Construction) for the fitness or adequacy of the premises or the utilities available at the premises in which the equipment is to be installed, used, or stored.	A	27	MR	ww.	1	S	1 ¹ / ₂ "	82'
Electr	А	28	(PB1)	(2ME)	1	н	2 <u>1</u> "	47'
Philips	А	29	(PB1)		1	S	1"	49'
FORM ⁴ sssume.	А	30	(PB1)	2ME	1	P/G	1"	49'
THE IN			I	I	l		I	

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THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

Pov	wer Quality Requirements (Mains 40E Cabinet)	Branch Circuit and Wire Gauge R	equirements (Mains 40E Cabinet)
Maximum Rated Power	100kW	Branch Power	100 kVA (System only; verify UPS power requirements)
	3 phase, equally sized insulated power conductors and an insulated equipment grounding conductor. Insulated grounding conductor shall have the same or larger size than line	Max. Standby Current	8A per phase
Supply Configuration	conductors. Line wires shall be no smaller than 6 AWG, 90°C temperature or higher temperature rating. The conductor size is dependant on the upstream circuit breaker rating: Minimum 4 AWG for 80A circuit breaker rating.	Circuit Breaker (CB) For information only. Terminal block accommodates AWG 00 t	3 Phase, Type D 80A with long-time delay to AWG 4 in mains cabinet. Engineer of record responsible for
Nominal Line Voltage	480 VAC, 60 Hz	calculating phase conductor and equipment ground conductor	
Line Voltage Variation	Voltage variations are never to exceed $\pm 10\%$ when measured using 10 minute mean RMS values with a measurement window of 1 week. At least 95% of all measured 10 minute mean RMS values shall be within $\pm 5\%$ of the configured nominal voltage.	Max. Instantaneous Power (at X-ray tube power 100 kV 1000mA current)	100 kW
Line Voltage Balance	2% maximum of nominal voltage between phases	Max. Inst. Current @ CB (RMS value over half-cycle)	300A @ 480V
Frequency Variation	± 1.0 Hz		
Voltage Surges	To 110% of steady-state voltage 100 msecs. Maximum duration, 6 per hour max.	Max. Phase-phase impedance @ CRC	0.455 Ω
Voltage Sags	To 90% of steady-state voltage 100 msecs. Maximum duration, 6 per hour max.	Long Term Rating	63A at 480V
Line Impulses	1000 VPK above phase-neutral RMS absolute maximum. No more than 1 impulse per hour to exceed 500 VPK.		
Neutral-Ground Voltage	2.0V maximum RMS value	Momentary Rating (using a window of 5 seconds)	125A at 480V
Neutral-Ground Impulses	No more than 1 per hour that exceeds 25V and 1 milli-Joule		
High Frequency Noise	3.0V steady-state maximum. Over 3.0V permitted for 100 msec. maximum, 1 per hour max.		
Grounded Conductor Impedance	0.1 Ohms @ 60 Hz maximum		

		Azurion 7 B20/12,	Catalyst	Intermountain Me	Salt Lake City, UT	Room: Lab 3
Note: The use of 90 degree ells is not acceptable. Use 45 degree bends at all raceway corners. For raceway (conduit) runs, use the minimum bending radius specific to the raceway (conduit) diameter. The use of crossover tunnels at all applicable locations is required. The above mentioned recommendations will help to ensure the integrity of the cables and fiber optic runs.	Philips Contacts	Project Manager: Ray Krone	Contact Number: (801) 440-0281	Email: ray.krone@philips.com		000 Drawn By: Isabella Bruno
 * Countertop Height Guide: 30" (765mm) for standard seated height. 36" (915mm) for standard standing height. * Ensure that the wall junction boxes are mounted perpendicular to the floor. * Verify exact ceiling height of Equipment and Control Room Area. * Architect to coordinate with end users/technicians to determine final placement of control desk components prior to installation in order to avoid 	Project Details	Drawing Number	N-WES210091 E	Date Drawn: 4/5/2023		Order: 6600558748 .010000

placement on Philips drawings.

rework. Architect to coordinate with Philips Project Manager to reflect final

													_
	Raceway	(Conduit)	Required							Raceway	(Conduit)	Required	V
	G	eneral Note								G	eneral Note		
runs must take /measuring tap	most direct be (part no. 4	route point 35, or equiv	to point. valent) must be provided with raceway (conduit) runs		1. 2.	All race All race	way (cor way (cor	nduit) runs m nduit) runs m	nust take nust have	most direct a pull string	route point	to point.	
talled by contractor talled by contractor a supplied and insta ables supplied and i ables supplied by Pl ables supplied and i	 Philips cables illed by contractor installed by Philip hilips and installed installed by contractor 	installed by con r os od by contractor	tractor (C) (C) (C) (C) (C) (C) (C) (C)		B R C R D R E R F R	laceway (C laceway (C laceway (C laceway (C laceway (C	onduit) sup onduits) an onduit) exis onduit) exis onduit) exis	plied/installed by plied/installed by d cables supplie tting - cables su tting - cables su tting - cables su tting - cables su	y contractor d and install oplied and in oplied by Phi oplied and in	Philips cables i ed by contractor stalled by Philip lips and installe	installed by con r s d by contractor	- B Bower (AC)	
eway aduit) Cable Type (*)	Minimum	Maximum (Raceway) Conduit Length	Special Requirements			eway (C From		Raceway (Conduit) Quantity	Cable Type (*)	Minimum Raceway (Conduit) Size	Maximum (Raceway) Conduit Length	Special Requirements	
1 G	312e	6'	-	Ā	31	(РВ1)	(2ME)	2	с	1 ¹ / ₂ "	54'	Tube Cooling Hoses.	
1 G	4 3"	-	See Sheet "ED2" for details.	A	32	(PB1)		2	С	2 <u>1</u> "	47'	Flat Detector Cooling Hoses.	
1 P	3"	55'		A	33	(PB1)		1	s	2 <u>1</u> "	45'	-	
1 S	3" 4	55'	-	A	34	(PB1)		1	P/G	1 ½"	45'	-	
1 s	2 <u>1</u> "	41'	-	A	35	(PB1)		1	s	2"	45'	-	/el -
1 S	3"	65'	-	A/C	36		WR3	2	s	 1 ¹ / ₂ "		For equipment (IE. Physio Monitor/ Slave Monitor/ VBs on back of FlexVision)	Swivel
2 C	1 ½"	44'	Tube Cooling Hoses.	с	37	(MSA)	WR3	2	s	1 ½"	-	For future options (Patient Monitoring). Verify with local Philips Service if auxiliary box should be used.	· 5
1 P/G	1 <u>1</u> "	52'	-	G	38	(MSA)	-	1	s	3"	-	For future options (Patient Monitoring).	B20/15 tical Ce
ı s	1"	52'	-	G	39	(FHY)	Physio	1	s	2"	33'	Optional for remote location.	
1 н	2 ¹ / ₂ "	50'	High Tension Cables.	G	40	Third	Third	-	-	-	-	For Injector, Auxiliary Box, Patient Monitoring, Video Networking, etc.	B20/12, Itain Me
1 P/G	2"	47'	-	G	41	Third		-	G	-	-	For Injector, Auxiliary Box, Patient Monitoring, Video Networking, etc.	B20
1 s	2 ¹ / ₂ "	47'	_	A	· · 42	Party VB1	MB	+··		· · _ · · _ 1"	82'	-	st St
1 S	2"	50'	_	A	43	VB2	Ж	1	S	1"	82'		Project Azurion 7 B20/ Catalyst Intermountain I Salt Lake City 1
 1	3"	39'		A	44	VB3	Ж	1	S	1"	82'		LT Ca Az
1 P	1 ½"	39'		A	45	VB4	МВ	1	S	1"	82'	Collaboration Live.	
1 P/G	2"	39'		A	46	VB5	МВ	1	s	1"	82'	-	
1 S	2"	39'		A	47	VB6	Ж	1	s	1"	82'		krone 440-0281 5s.com
	<u>-</u> <u>-</u> 1 ½"	55'		A	48	VB7	МВ		s	1"	82'		:ts Ray Krone (801) 440- @philips.co
ı s	2 1/2 2 1/2	55'		A	<u>–</u> 49	VB3	Cry-	+ · · <u>+</u> · ·		· · <u> </u>	91'		s Contacts t Manager: Ray Kru tt Number: (801) 4 ray.krone@philips
1 P	2"	55'	-	G	· ·	IntraSigi	→	+ · · <u>+</u> · ·		· · <u> </u>	75'	Conduit opening must be covered if the IntraSight	Contacts Aanager: Ra, Number: (80 y.krone@ph
	1 ½"	55'	- For FlexVision XL.	G		WR2	WR3	+… +…	`` 	<u> </u>	<u>73</u> 60'	system is planned for future installation. For Testing & Service Purposes. Required to run a #6 ground. #6 ground	Philips Contacts Project Manager: Ray K Contact Number: (801) Email: ray.krone@philip
	-		FOI FIEXVISION AL.	_	· ·	\downarrow	→ (-	+		· · _ · · _	· · · _ · · -	to be ran in conduit non-terminated. Refer to E1 for further explanation.	Philips Project M Contact N Email: ray
1 P/G	1 ¹ / ₂ "	55'	- For Intercom	A				$\left[-\frac{1}{4} \right]$		1 ¹ / ₂ "	82'	For FlexSpot.	
		65'	For Intercom.	A			`∀ -	+ · · - · ·	s	· · _ · · _	91'	For Interventional Hardware in "MR" cabinet. Project electrician to land 120 - 240 VAC, 50 - 60 HZ in M3 terminal	00
I S	2"	55'	Conduits to land on wall raceway adjacent to CY.	С	54	Supply	(<u>M3</u>)	↓ · · <u> </u>	P 	3" 4 		block. Light requires: Plus 24, Minus 24, and Ground.	E 023 Rev.1
I P/G	1 ½"	55'	Conduits to land on wall raceway adjacent to CY.	С	55	Power Panel	СВ2	1	Р	Per N.E.C.	Per N.E.C.		ls ber 091 E 4/5/2023
S	2 ¹ / ₂ "	55'	Conduits to land on wall raceway adjacent to CY.	С	56	Power	СВ2	1	G	Per N.E.C.	Per N.E.C.		Project Details Drawing Number N-WES210091 E Date Drawn: 4/5/2023 Ouote: 1-2FM4561 Rev.18
1 S	1 ¹ / ₂ "	82'	Conduits to land on wall raceway adjacent to CY.	С	57	СВ2		1	G	Per N.E.C.	Per N.E.C.		ES2 Draw
1 Н	2 <u>1</u> "	47'	High Tension Cables.	с	58	UPS	СВ	1	G	Per N.E.C.	Per N.E.C.		Project Drawing N-WE Date Dr
1 S	1"	49'	-	с	59	Св	(ERB)	1	G	Per N.E.C.	Per N.E.C.	Conduit must hit WR2 raceway.	
1	1"	49'		1	60	(MA)	(ERB)	1		1			1



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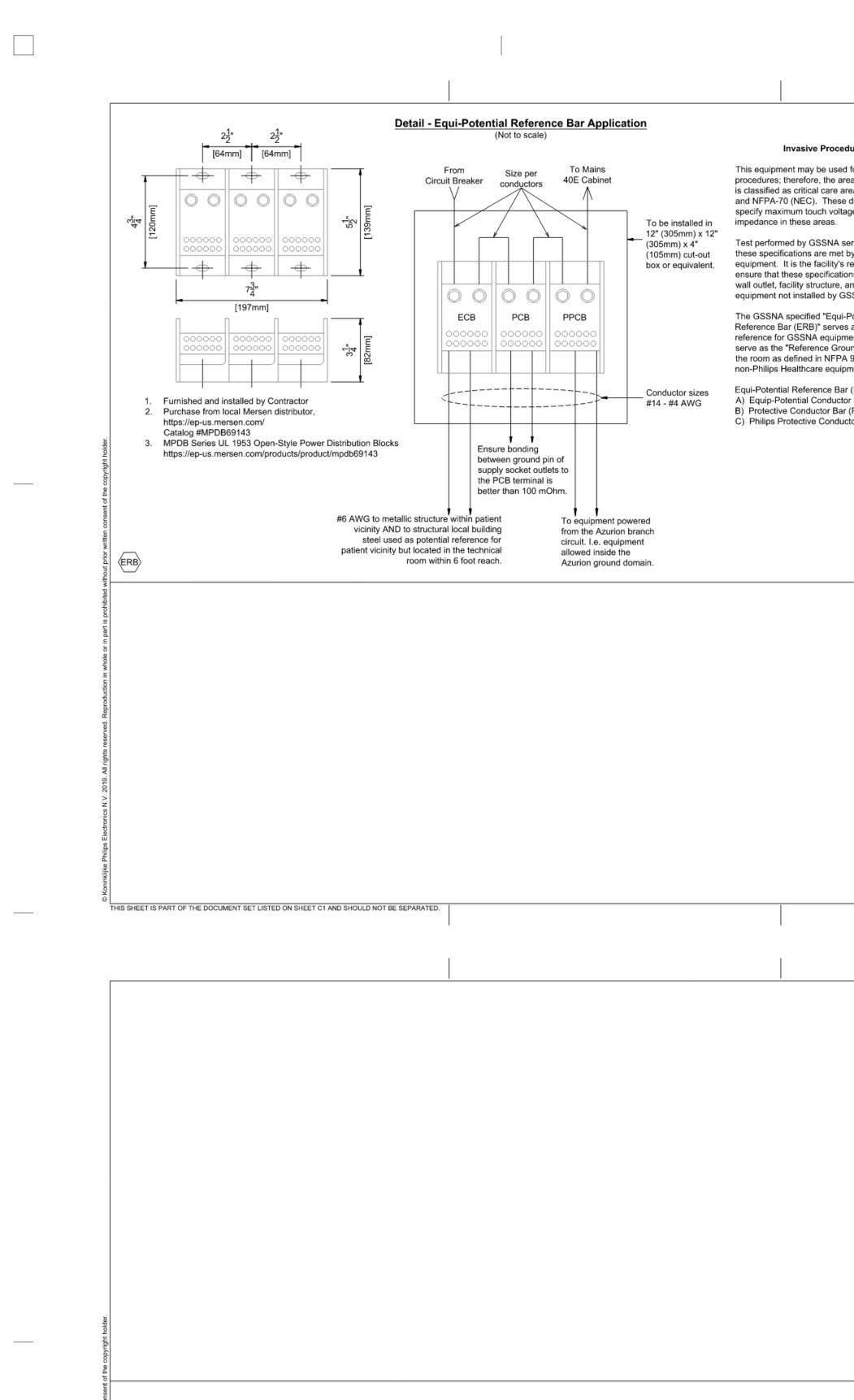


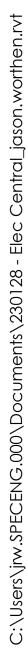


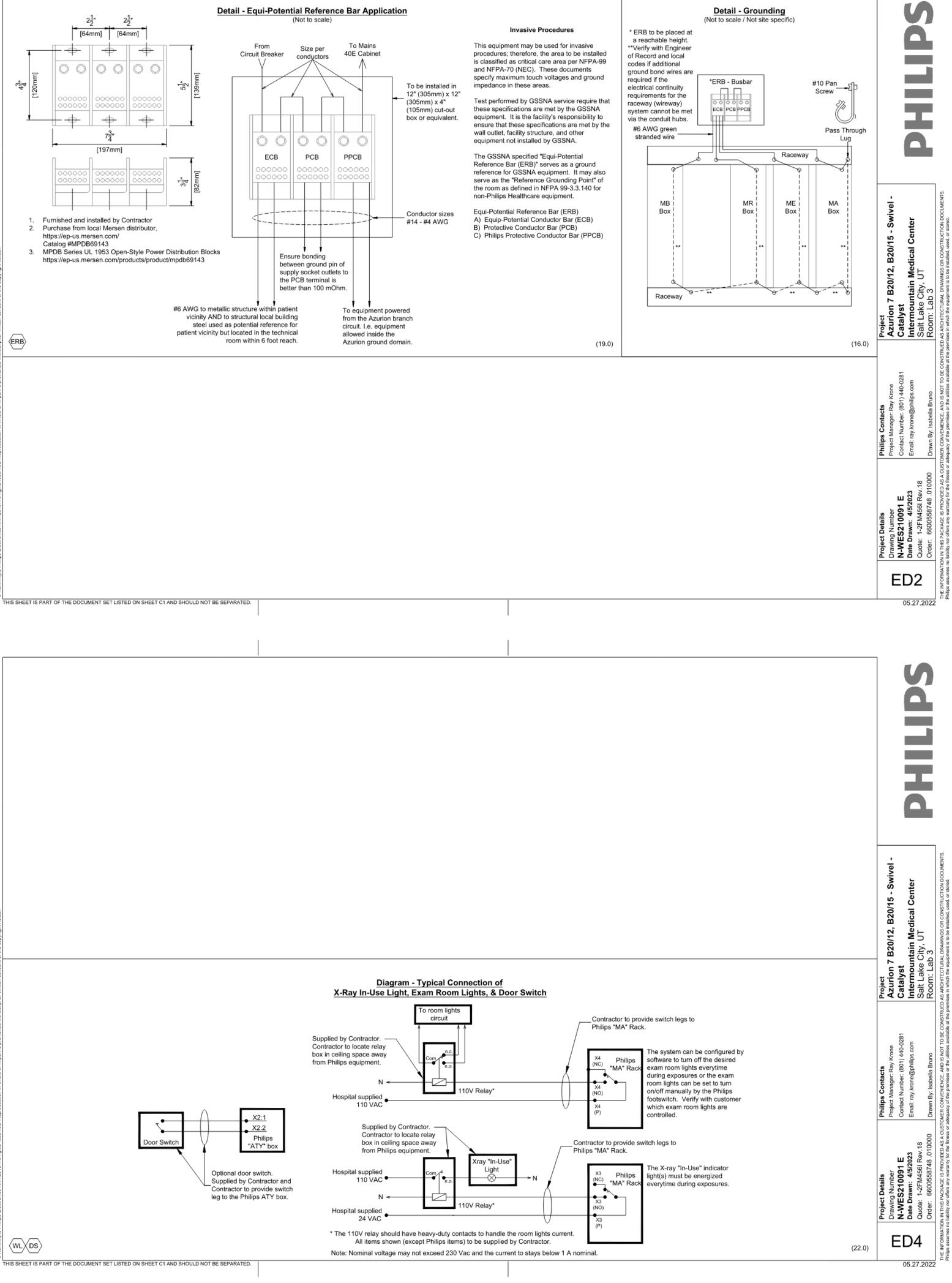


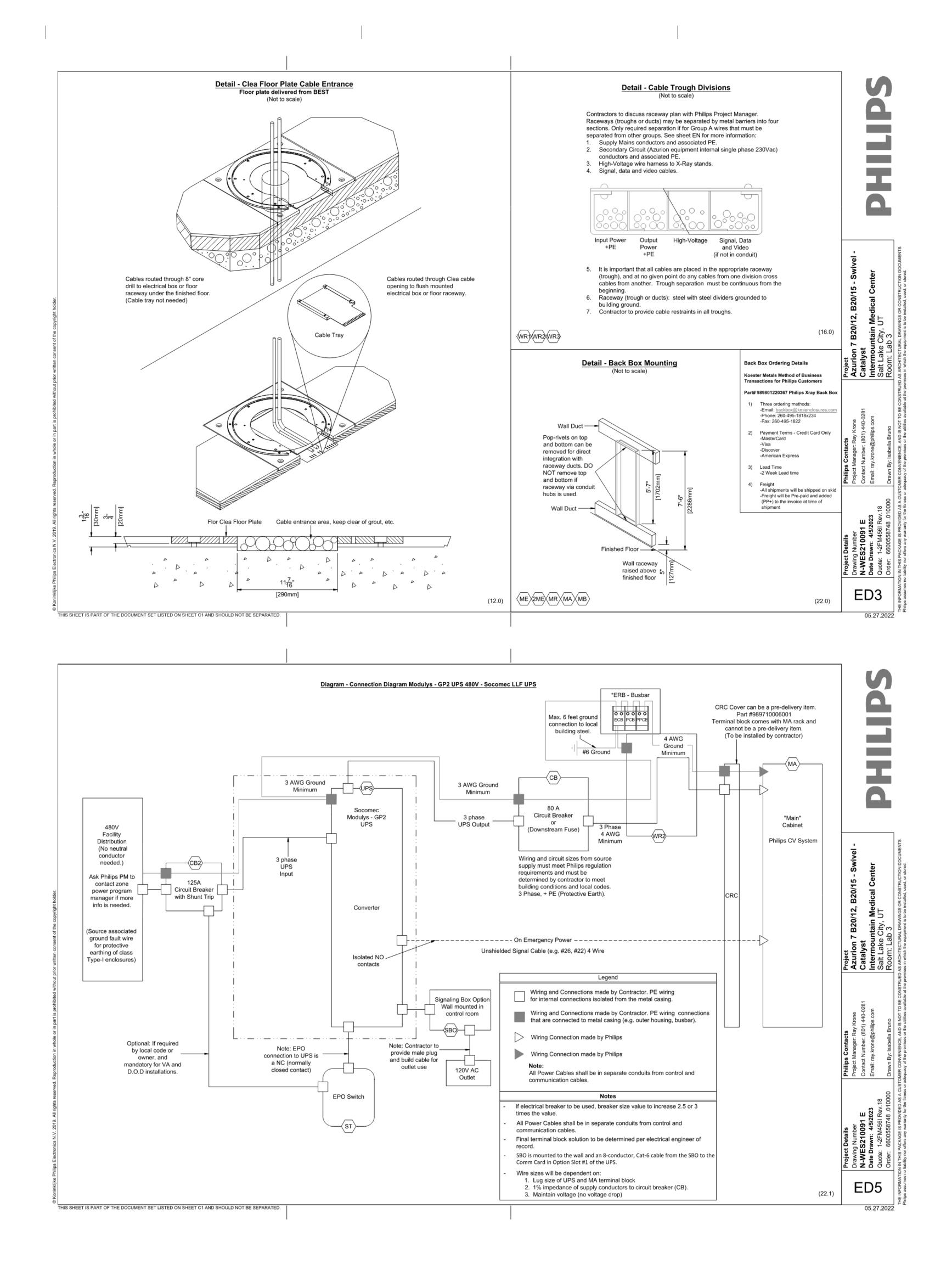
PHILLIPS DRAWINGS













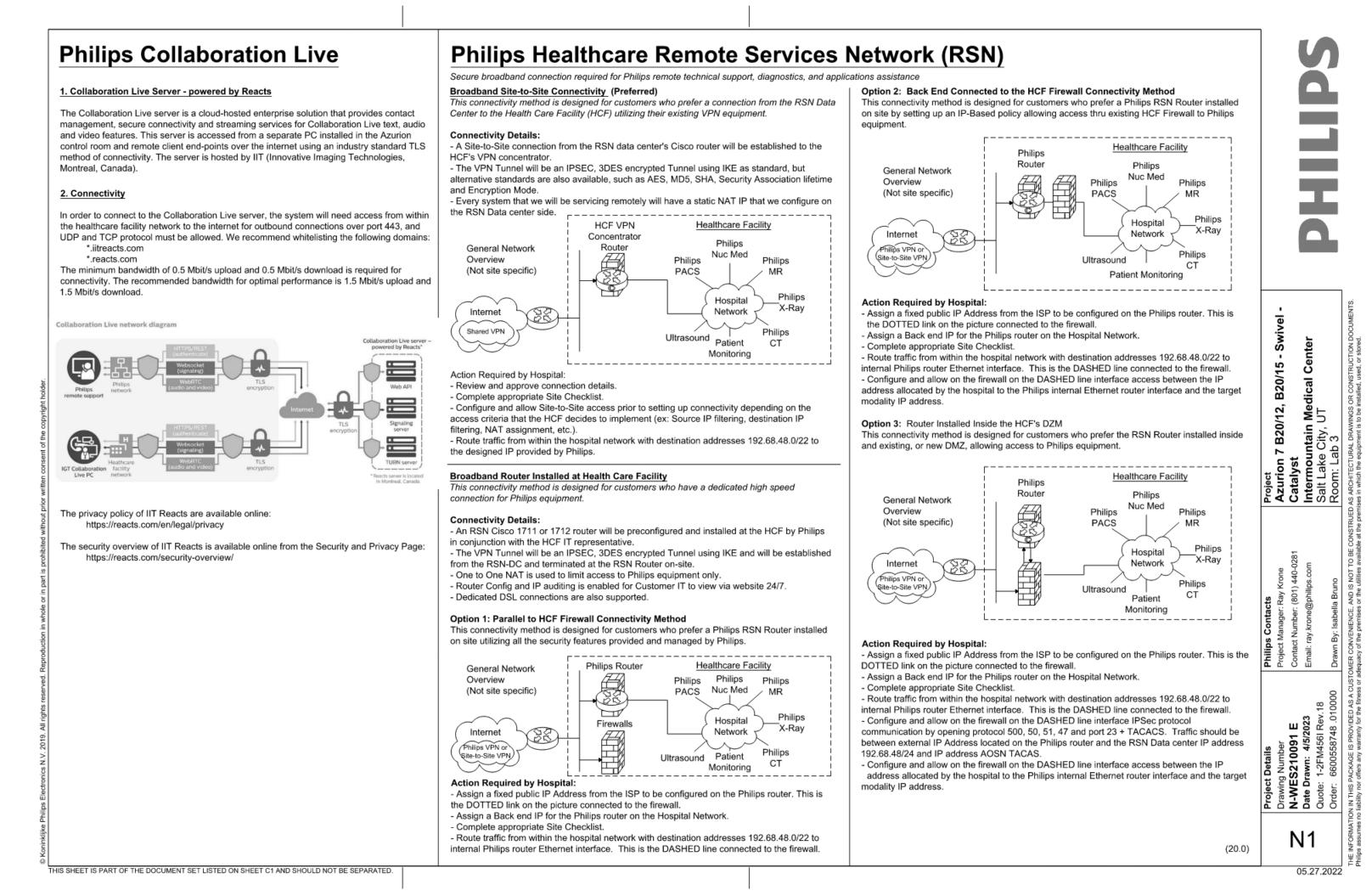


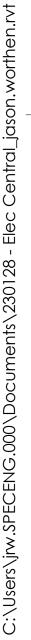




PHILLIPS DRAWINGS

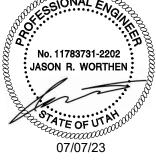
EP703









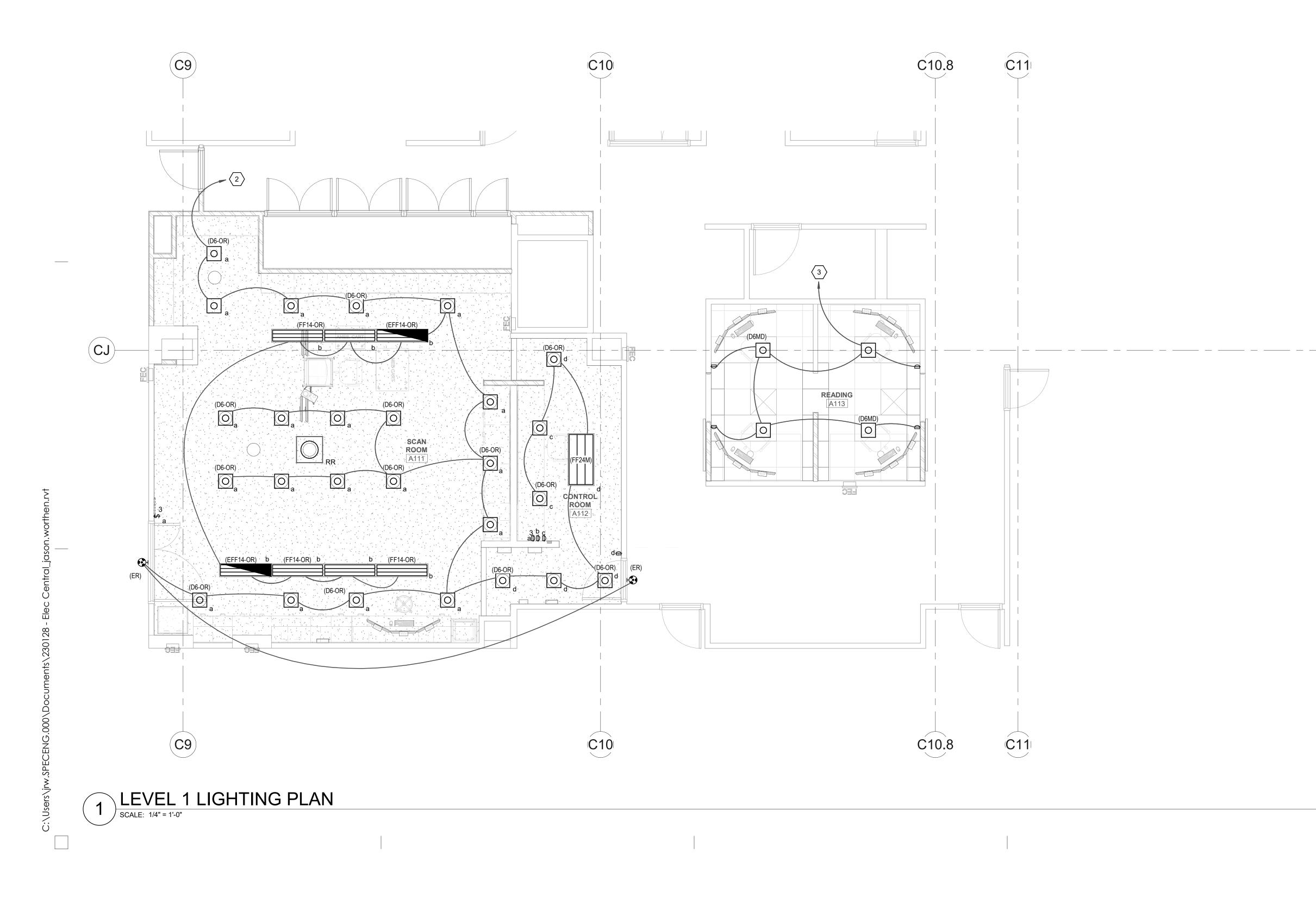






PHILLIPS DRAWINGS

____EP704

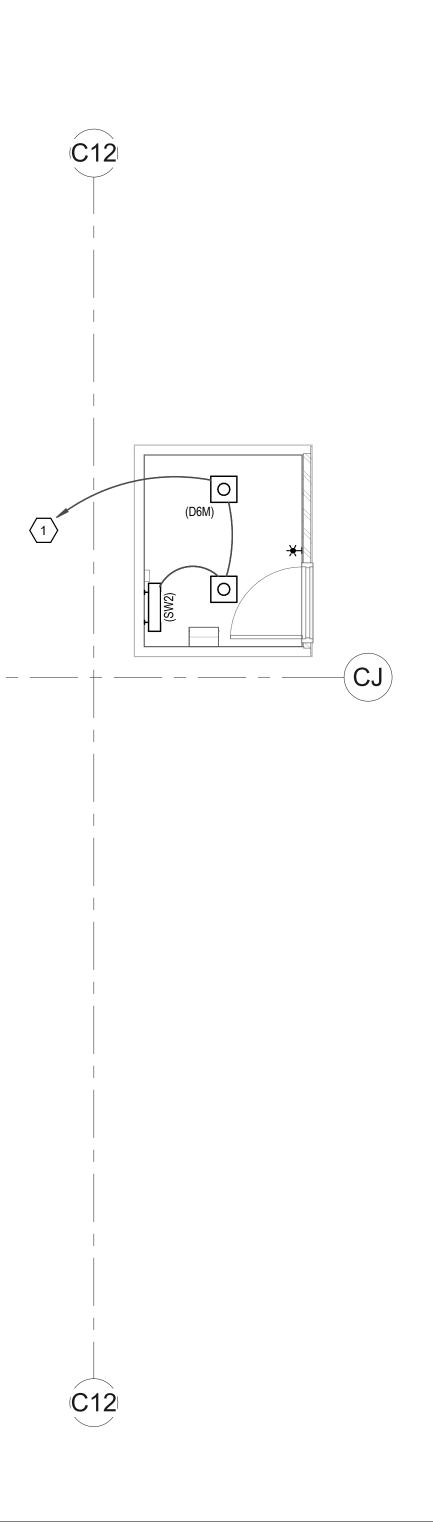


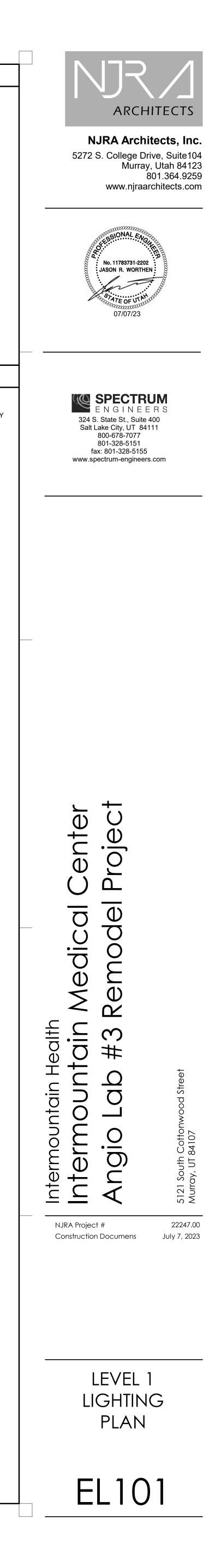
GENERAL SHEET NOTES

⊖ SHEET KEYNOTES

- 1 CONNECT TO EXISTING LIGHTING CIRCUIT IN ADJACENT EQUIPMENT ROOM.
- 2 CIRCUIT TO THE EXISTING CRITICAL BRANCH LIGHTING CIRCUIT THAT PREVIOUSLY FED THE LIGHTING IN THE ANGIO LAB.

3 CONNECT TO EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED THE READING ROOM.





C:\Users\jw.SPECENG.000\Documents\230128 - Elec Central_jason.worthen.rvt

	DIAMETER
HEIGH'	T LENGTH WID
ID (D6-OR)	DESCRIPTIC REFLECTOF MOUNTING: FINISH: WHI OPTICS: - OPTIONS: - EM: -
(D6M)	DESCRIPTIC REFLECTOF MOUNTING: FINISH: WHI OPTICS: - OPTIONS: - EM: -
(D6MD)	DESCRIPTIC REFLECTOF MOUNTING: FINISH: WHI OPTICS: - OPTIONS: - EM: -
(EFF14-OR)	DESCRIPTIC MOUNTING: FINISH: SCB OPTICS: - OPTIONS: FI EM: BATTEF
(ER)	DESCRIPTIC MOUNTING: FINISH: SCB OPTICS: - OPTIONS: - EM:-
(FF14-OR)	DESCRIPTIC MOUNTING: FINISH: SCB OPTICS: - OPTIONS: FI EM: -
(FF24M)	DESCRIPTIC MOUNTING: FINISH: SCB OPTICS: - OPTIONS: F EM: -
(SW2)	DESCRIPTIC MOUNTING: FINISH: SCB OPTICS: - OPTIONS: - EM: -

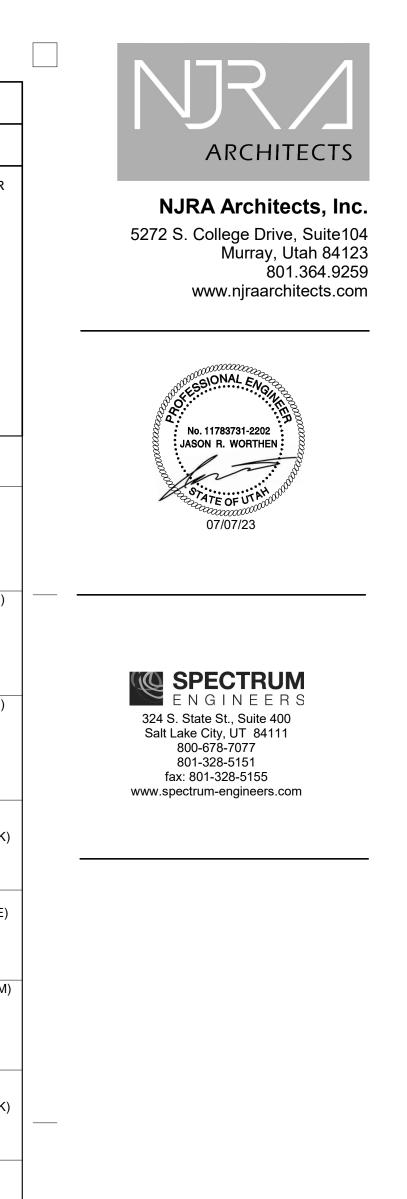
INTERIOR LIGHTING FIXTURE SCHEDULE



GENERAL NOTES

- SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
- 2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
- 3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
- 4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
- 5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
- 6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
- 7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

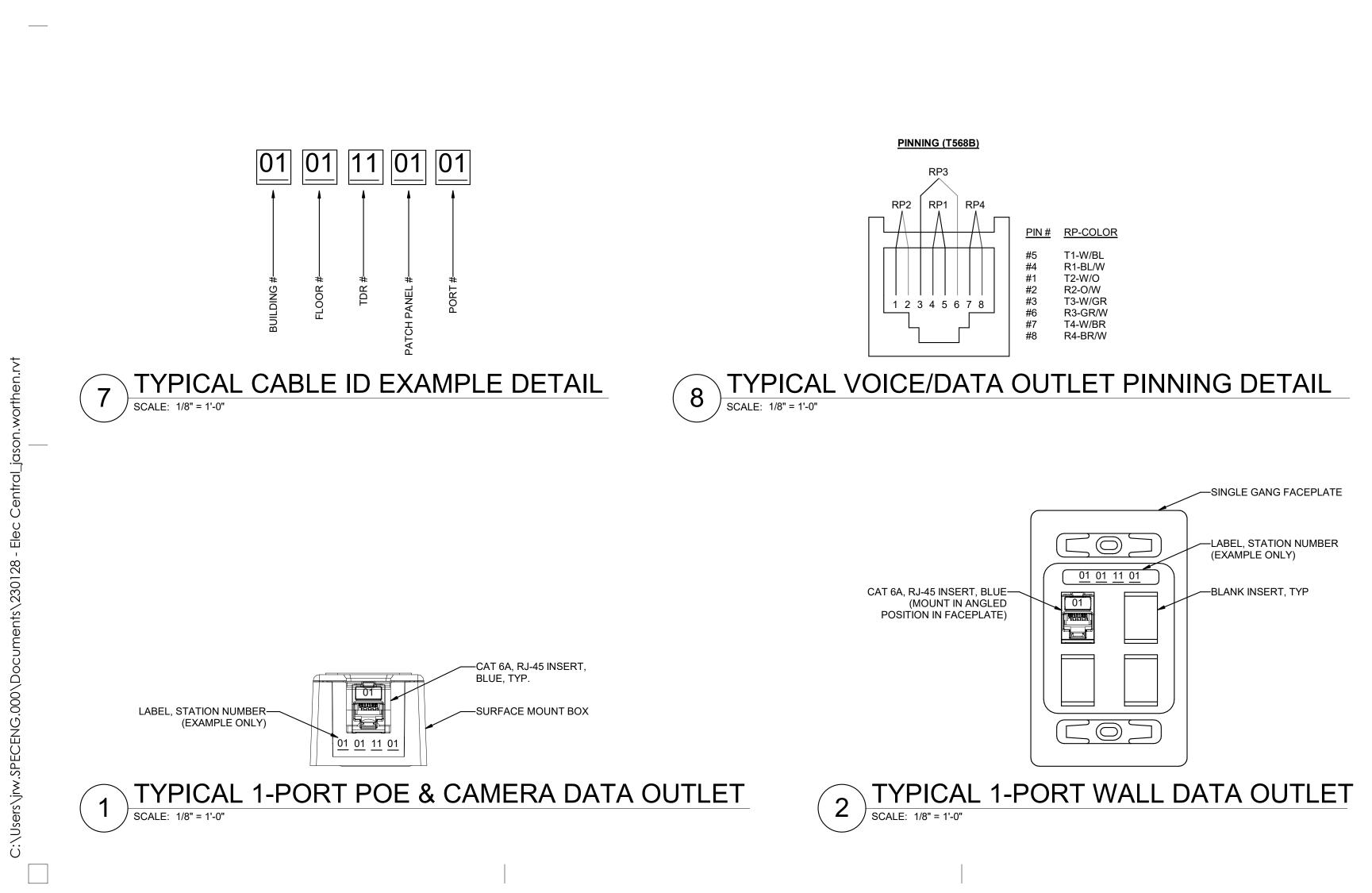
			JMINAIRE			RIVER		
					D	RIVER		
DESCRIPTION	SIZE (NOMINAL)		COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
ON: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR R,LENSED, SEALED, WET LOCATION E: CEILING, RECESSED ITE TRIM FINISH		3,000	3500K	90	0-10V DIMMING (1%)	120/277	19	GOTHAM (EVO-35/30-6WR-WD-MVO-LT-EZ10) INTENSE (SS6G4DR-L2-358-ED10V01-IC630-C-SFW) FAILSAFE (FLD6B20D010 FEU6B1/28035 - F6LBM2H MB26)
ON: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR R E: CEILING, RECESSED IITE TRIM FINISH	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	2,000	3500K	80	0-10V DIMMING (1%)	120/277	23	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
ON: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR R :: CEILING, RECESSED ITE TRIM FINISH	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	2,000	3500K	80	0-10V DIMMING (DIM2DARK)	120/277	23	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
ON: 1' X 4' SURGICAL TROFFER, FLANGE MOUNT :: CEILING, RECESSED BA FLANGE KIT RY PACK	LENGTH: 4' - 0" WIDTH: 1' - 0" DEPTH: -	7,800	3500	90	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNVDIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882450-40-S-F/8824-FMK)
ON: X-RAY IN USE LIGHT :: WALL BA	LENGTH: - WIDTH: - DEPTH: -		RED		NO DIMMING	120/277	3	KENALL (METMSU MW R X-RAY IN USE DT) LITHONIA (LQM P W 1 R 120-277 SW16 X-RAY IN USE) CHLORIDE (AMS GW XRAY IN USE RFR) EMERGENSEE (SEEXEL-1-G-C-A-CUST OM-XRAY IN USE)
ON: 1' X 4' SURGICAL TROFFER, FLANGE MOUNT :: CEILING, RECESSED BA FLANGE KIT	LENGTH: 4' - 0" WIDTH: 1' - 0" DEPTH: -	7,800	3500K	90	0-10V DIMMING (1%)	120/277	50	KENALL (M4SEDI 14 76L 35K9 DCC 277 PAF PAH SYM)
ON: 2' X 4' LED FLAT PANEL, PROVIDE FLANGE KIT :: CEILING, RECESSED BA FLANGE KIT	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300	3500K	80	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNVDIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882450-40-S-F/8824-FMK)
ON: 2' LED VANITY LIGHT, SATIN CHROME FINISH, 2.25" WIDE :: SURFACE, WALL BA	LENGTH: 2' - 0" WIDTH: 0' - 2.25" DEPTH: -	2,000	3500K	80	NO DIMMING	120/277	19	EDGE LIGHT (TW12-S11-1RE-36"-35K-CH) EUREKA (3541-35-LED-17.40-120/277-SC-WH) LBL (LW496-OP-XX-LED-277) WAC (WS-77363) BIRCHWOOD (NOL-LED-225)



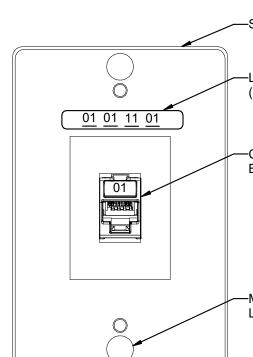


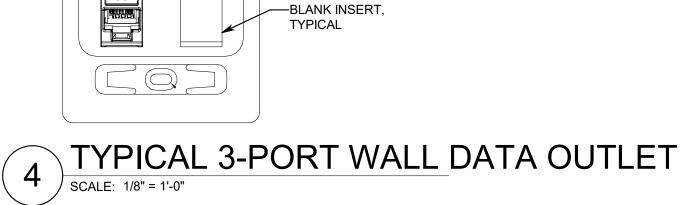
INTERIOR LIGHTING FIXTURE SCHEDULE

EL601









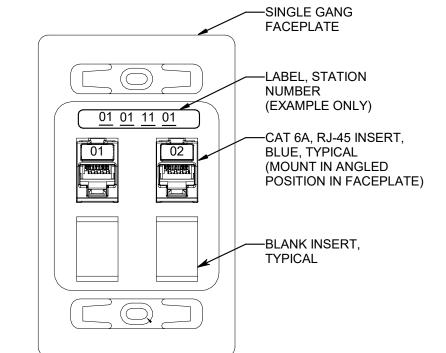
----SINGLE GANG FACEPLATE -LABEL, STATION NUMBER (EXAMPLE ONLY) —CAT 6A, RJ-45 INSERT, BLUE, TYPICAL (MOUNT IN ANGLED POSITION IN FACEPLATE)

METAL MOUNTING LUGS, TYP

CAT 6A, RJ-45 INSERT, BLUE, TYP

—LABEL, STATION NUMBER (EXAMPLE ONLY)

-SINGLE GANG FACEPLATE



5 TYPICAL 2-PORT WALL DATA OUTLET







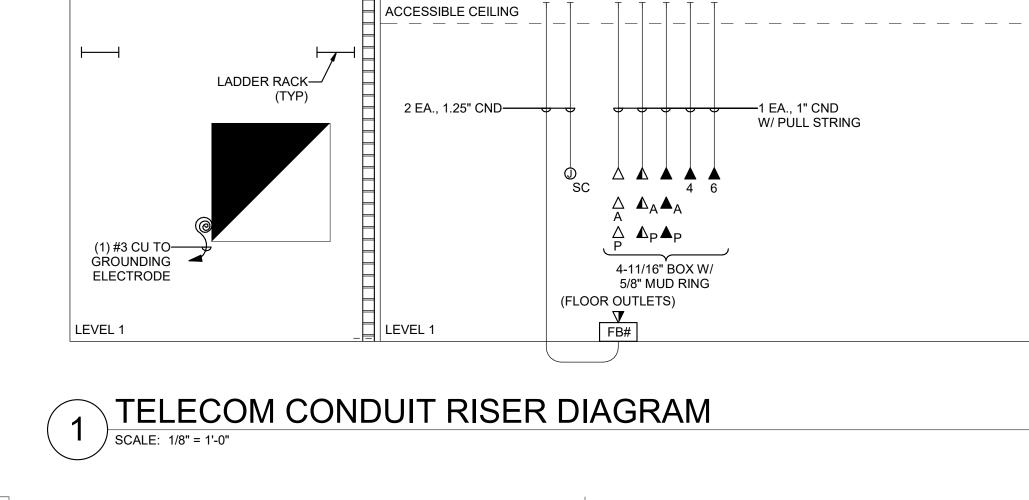


TELECOM

DETAILS







CABLE TRAY (TYP)

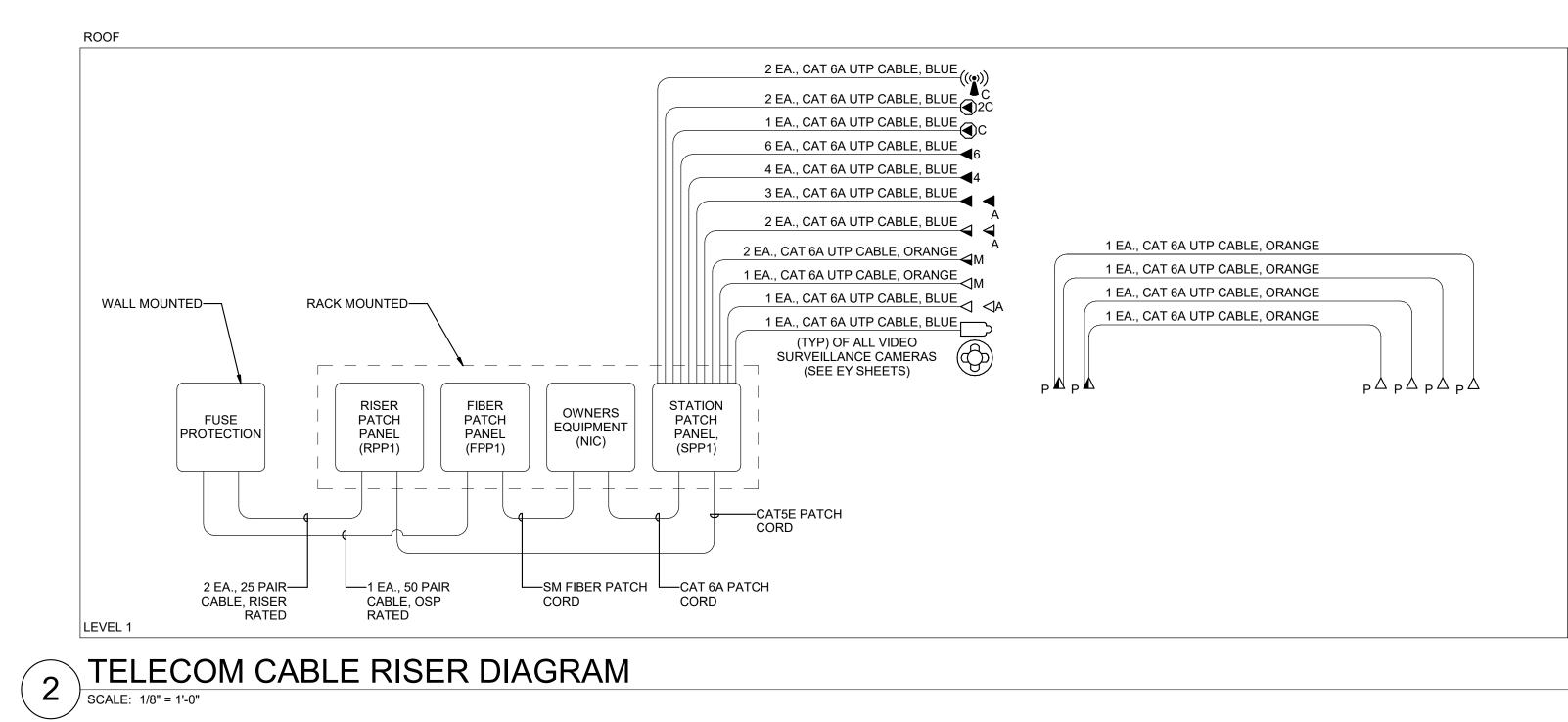
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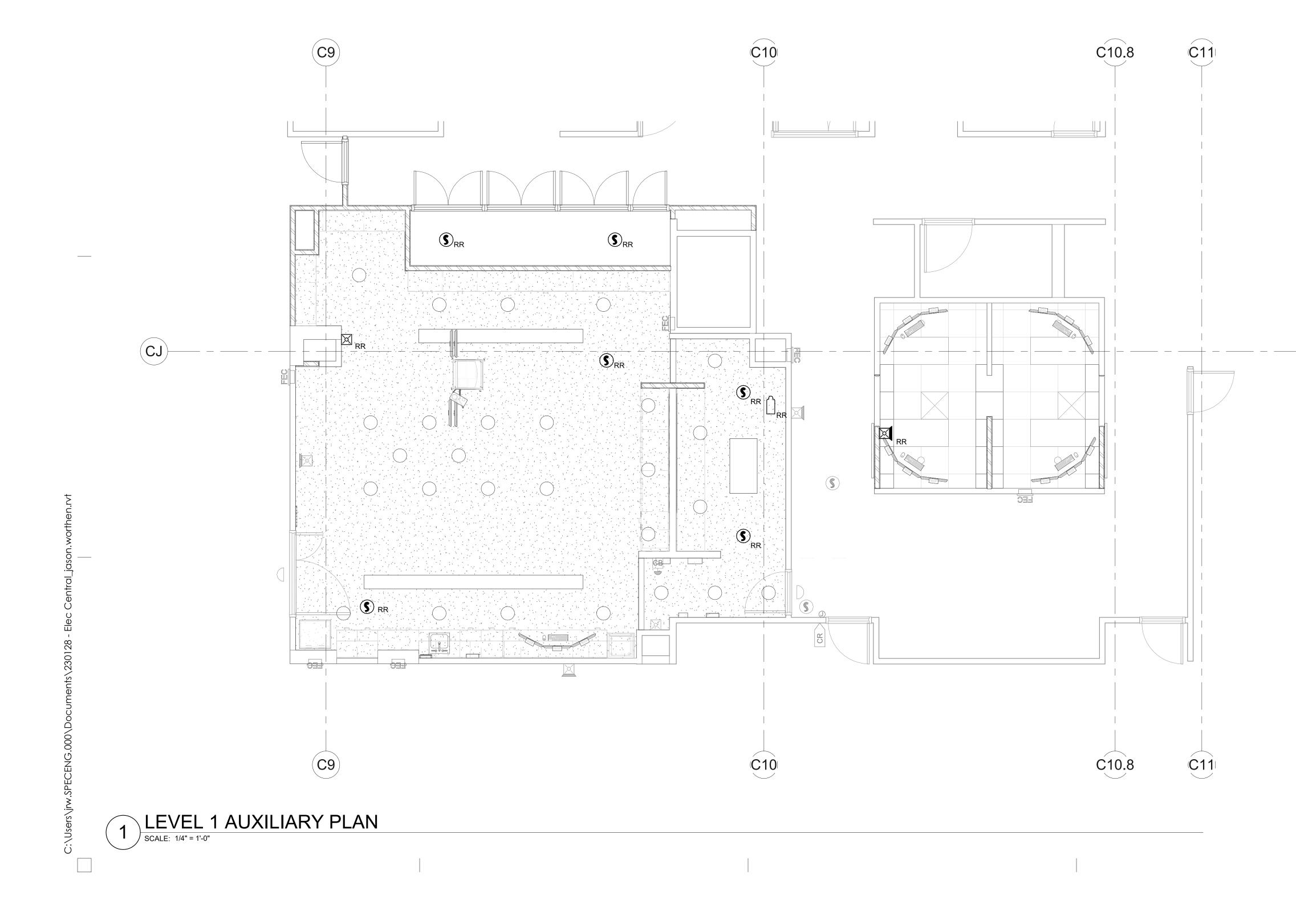


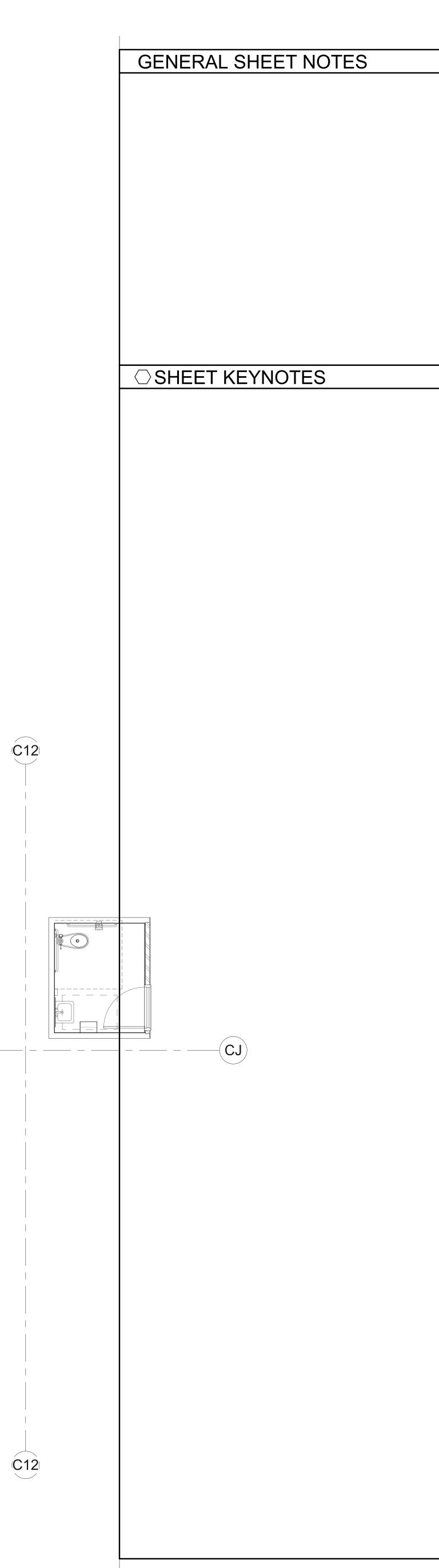




telecom Riser Diagrams











www.healthcare.philips.com Final Site Preparation Support Document

The equipment components shown in this drawing package are based on the current proposed purchase and are subject to change if modifications are made to the configuration.

		Revision History Note for Architects and/or Contractors: If revisions are listed, these drawings must be thoroughly reviewed so that all changes can be incorporated into your project	
Rev.	Date	Revision Descriptions	E
-	3/4/2021	Created Preliminary Site Preparation Document per Reference No.: N_WES070208 and Quote No.: 1-2ACAJI Rev. 1.	A
А	4/6/2022	Request Cancelled.	\
В	2/16/2022	Updated architectural background and revised drawings per Quote #: 1-2FM456I Rev.18.	\
с	3/15/2023	Drawing updated per Order #: 6600558748 .010000. System shifted 1' towards the west to match "X" axis isocenter of 10' / Extension rails cut. MED/CL added. Changes of this revision clouded in red.	
D	3/29/2023	Created Final Site Preparation Support Document with Order #: 6600558748 .010000 / CO1 / CO2. Extension Rails removed. VBs location updated.	
E	4/5/2023	Drawing modified per updated background file 230331- 22247-00 IH - IMED Bi-Plane Angio Lab #3_ Sheet - A113A - Floor Plan Level 1 - Area A. Existing electricals and unistruts must be verified on field since the background has change and its not matching existing conditions of Project N-WES07208. Planning everything as new. Control Room updated per new background. Changes of this revision clouded in red.	





		Table of Contents
		Table of Contents
	Ву	
	ACH	Section A - Equipment Plan
	VS	General Notes AN Equipment Legend AL
	VS	Site Layout A1
	V3	Equipment Layout A2
D/CL	ІВ	Transport Details AD1 - AD2
		Equipment Details AD3 - AD7
	IB	
xisting		Section S - Support Plan
	IB	Support Notes SN
		Support Legend SL
		Support Layout - Floor & Wall S1
		Support Layout - Ceiling S2 - S3 Support Details SD1 - SD4
		Section E - Electrical Plan
		Electrical Notes EN
		Electrical Legend EL1 - EL2
		Electrical LayoutEl
		Raceway & Conduit Information E2 - E4
		Electrical Details ED1 - ED5
		Remote Service Network N1 - N2
		Check List CHK

Project Details	Philips Contacts	Project	
Drawing Number	Project Manager: Ray Krone	Azurion 7 B20/12, B20/15 - Swivel -	
N-WES210091 E	Contact Number: (801) 440-0281	Catalyst	
Date Drawn: 4/5/2023	Email: ray.krone@philips.com	Intermountain Medical Center	
Quote: 1-2FM456I Rev.18		Salt Lake City, UT	
Order: 6600558748 .010000	Drawn By: Isabella Bruno	Room: Lab 3	

NI SHIIIYA 05.27.2022

	General Conditions	
1.	Planning, Design, and Implementation Process The multidisciplinary project team should be assembled as early as possible in the process. The multidisciplinary team should include administrators, clinicians, infecti preventionists, architects and other design professionals, facility managers, safety officers, security managers, users of equipment, and support staff relevant to the a affected by the project as well as those with knowledge of the organization's function goal for the project. Inclusion of patient advocates/consumers, A/E consultants, and construction specialists should be considered. FGI 2018 APPENDIX A1.2-1.2	ion rea onal
2.	Responsibility The customer shall be solely responsible, at their expense for preparation of site. F required specifications and any required MEP, construction and structural alteration shall be incorporated into customer's design and construction documents. Complia with all safety, electrical, and building design codes relevant to the build out of the area for Philips equipment and its installation is the customer's responsibility. Suffic of such plans and specifications, specifically including, but not limited to the accura the dimensions described therein, shall be the sole responsibility of the customer. customer shall advise Philips of conditions at or near the site, which could adverse affect the function of the equipment and/or carrying out of the delivery and installati work. This shall ensure that such conditions are corrected and that the site is fully prepared and available to Philips before the installation work is due to begin.	ns nce clin cien cy fhe ly
3.	Permits Customer shall obtain all permits and licenses required by federal, state/provincial local authorities in connection with the construction, installation and operation of the products and shall bear any expense in obtaining same or in complying with any rerules, regulations, ordinances and statutes.	е
4.	Radiation Protection The customer or their contractor, at their own expense, shall obtain the service of a licensed radiation physicist to specify radiation protection and testing.	1
5.	Asbestos and Other Toxic Substances Philips assumes that there is no hazardous material contained in project site. The customer is responsible for the removal of any materials, including but not limited to asbestos, deemed hazardous by local authorities, the EPA, OSHA, or any other au having jurisdiction over the work. If such materials are discovered at any time that to work is proceeding, the work will immediately cease, the owner will be notified, and work will again proceed after the owner has removed all of the hazardous material the job site.	tho he I th
6.	Labor In the event local labor conditions make it impossible or undesirable to use Philips' regular employees for such installation and connection, such work shall be perform laborers supplied by the customer, or by an independent contractor chosen by the customer at the customer's expense, and in such case, Philips agrees to furnish adequate engineering supervision for proper completion of the installation.	ed
7.	Schedule The customer or general contractor shall provide Philips with a project/construction schedule with milestones to assist in the coordination of delivery of Philips supplied products and primary equipment.	
8.	Extended Installation or Turnkey Work by Philips Any room preparation requirements for Philips equipment indicated on these drawi the responsibility of the customer. If an extended installation or turnkey contract ex between Philips and the customer for room preparation, then additional work require the equipment will not be represented on these drawings. Some of the responsibility the customer as depicted in these drawings may be assumed by Philips. In the ever conflict between the work described in the turnkey contract work scope and these drawings, the turnkey contract work scope shall govern.	ists ed ies
9.	Infection Control and Interim Life Safety Measure Compliance with all Infection Control and Interim Life Safety Measures shall be the responsibility of the customer. The customer shall provide all means and methods necessary for compliance with Infection Control (IC) and Interim Life Safety Measu (ILSM) in connection with the construction and installation/operation of the products shown herein and shall bear any expenses related to same.	res
		(2

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

		Equipment Legend				
	B Fun C Ins D Fun E Exi F Fun G Op	ture				
		Equipment Designation	Detai	l Sheet		
\bigvee	\vee	Description	Weight (lbs)	Heat Load (BTU/hr)		
A	SP	Floor Clea	2513	1706	AD3	
A	(PB1)	Larc N Neuro	1877	854	AD3	
A	MSA	Angio Diagnost 7 w/ Swivel and Tilt	1249	205	AD3	
A	ME	Certeray iX Generator Cabinet	320	2971	AD4	
A	(2ME)	Certeray iX Generator Cabinet	320	2971	AD4	
A	MR	Peripheral 40E Cabinet with CRC + Extension	386	2049	AD4	
A	MA	Mains 40E Cabinet	826	5464	AD4	vel
A	CY	Control Room Connection Box	115	567	AD7	- Swivel nter
A	AFS	Additional FlexSpot	-	-	-	
A	DB	Documentation Box - Mounted on Wheels (Final location to be coordinated with customer and/or local Philips Service)	176	0	AD5	B20/12, B20/15 - Sw tain Medical Center
A	ATY	Exam Room Auxiliary Box	7	1.7	AD5	
A	FW	Firewall	4	205	AD6	
A	MB	Image 40E Cabinet	441	1877	AD4	rion 7 rion 7 rmoun Lake C
A	TV	58" + (2) 27" LCD Monitor Suspension	596	1020	AD5	Project Azurion Catalyst Intermou Salt Lake
A	(VB1) ~	Video Connection Box	2.2	-	AD5	
A	(VB9)	Video Connection Box	2.2	-	AD5	
A	(IH)	Interventional Hardware (Integrated with FlexSpot - Not shown)	73	1024	-	Philips Contacts Project Manager: Ray Krone Contact Number: (801) 440-0281 Email: ray krone@philips.com
A	MAV	Mavig 4m Ceiling Track w/ Rad Shield and Y LED 1F light	205	350	AD6	Philips Contacts Project Manager: Ray Krone Contact Number: (801) 440-07 Email: ray.krone@philips.com
D	UPS	Socomec Compact Full UPS	2614	8750	AD4	Philips Contacts Project Manager: Ra Contact Number: (8 Email: ray.krone@ph
D	SBO	Signaling Box Option (for Socomec UPS)	6.7	-	AD4	Is Cc It Man ct Nur ray.ki
A	CL	Collaboration Live PC	11	171	AD7	Phili _j Projec Conta Email:
A	MED	Medrad Arterion Injector on Pedestal	Order 185	4095	AD6	Project Details Drawing Number N-WES210091 E Date Drawn: 4/5/2023 Quote: 1-2FM456I Rev.18
						AL
						05.27.202

		' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'
	-5m	
	<u> </u>	Site Layout
	E	1/4" = 1'-0" Required Unistrut Height:9' - 9 $\frac{5}{16}$ ", + $\frac{3}{16}$ " / -0 (2980mm,
	1.5m	+4mm / -0)
	2m	Unistrut Height measured from top of Clea floor plate to bottom of Unistrut.
	2.5m	
	3m	
	3.5m	
Ŀ.		
ht holder		
copyrigh		
nt of the		
n consei		
or writte		
hout pric		
oited with		
s prohib		
in part i		
whole or		General Notes
tion in		 Counters and cabinetry shown to be supplied and installed by contractor. Field to verify all room dimensions.
produc		* Refer to A.D.A. Guidelines for doors and clearances. Verify all other
ved. Re		applicable code(s) with the architect of record.
ts reser		Legend
. All righ		
V. 2019		Walls
onics N.		Soffit
ips Electr		Existing (to be removed)
Koninklijke Philips Electronics N.V. 2019. All rights reserved. Reproduction in whole or in part is prohibited without prior written consent of the copyright holder.		Beams or other building construction elements
×		

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED.

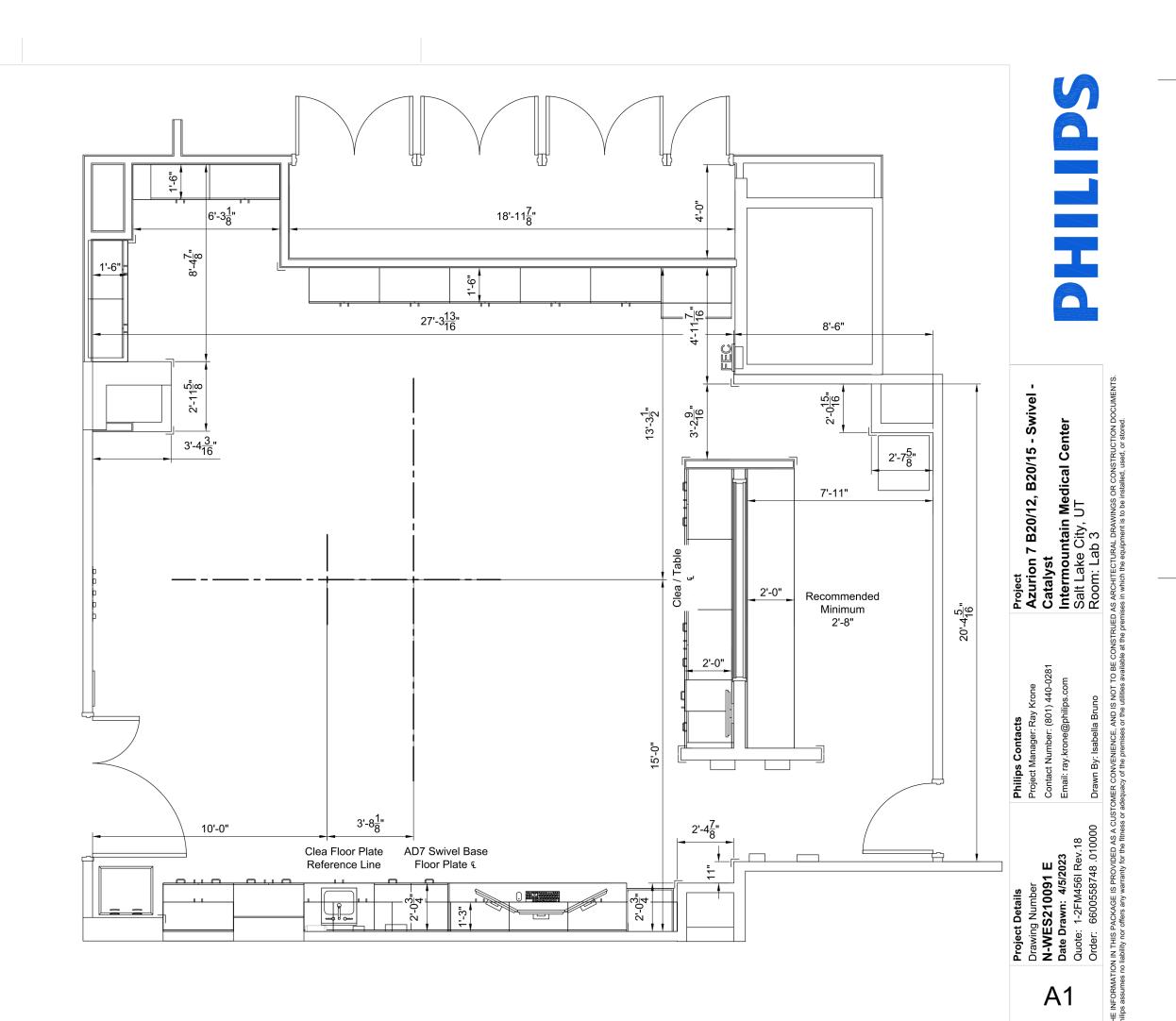
	Minimum Site Preparation Requirements	HVAC R	equirement for Ge	neral Equipment Locations			M
in the design	A smooth efficient installation is vital to Philips and their customers. Understanding what the minimum site preparation requirements are will help achieve this goal. The following list clearly		Oper	ation			
infection safety	defines the requirements which must be fulfilled by the customer before the delivery and installation of equipment can begin.	Tem	perature	59°F (15°C) to 86°F (30°C)			
the areas functional	1. Walls to be painted or covered, baseboards installed, floors to be tiled and/or covered,	Tempera	ture gradient	Max. 1°F / Minute (0.5°C / Minute	e)		
its, and 2	ceiling shall have grid tiles and luminaires installed and operational.		on-condensing) e stable within 10%	20% to 80%			
site. Philips	Doors and windows, especially radiation protection barriers, installed and finished with locksets operational.	Exar	m Room	*6142 BTU/hr			
erations	3. All electrical convenience outlets, raceways, wireways, auxiliary fittings, knockouts, cable	Equipm	nent Room	*22179 BTU/hr			
ompliance of the clinical . Sufficiency	connectors, terminal and power distribution blocks, cable openings, chase nipples, junction boxes and pull boxes installed and operational.	Contr	rol Room	*1945 BTU/hr			
accuracy of omer. The lversely stallation a fully	4. A private supply mains branch circuit with overcurrent protective circuit breaker and manual operable circuit disconnect means shall be present and operational. Definition of "Private supply" means an end-leave of the hospital distribution system after the last overcurrent protective disconnect means from which all equipment included in the Azurion ground domain is powered. Note that only equipment included in the Azurion certification and equipment with which the Azurion has a compatibility statement are allowed to be inside the Azurion ground domain. All other electrical equipment is not allowed to have a functional connection to the Azurion system	Data applicable for bas Large monitor + 4 x sm 1 workstation + 2 x sm Add 1194 BTU/hr for a Add 273 BTU/hr for ad	nall monitor in Monitor Ce all monitor in Control Roc Idditional large monitor Iditional small monitor				
rincial or n of the any related	and shall have no direct galvanic connection to prevent ground loops. 3rd party equipment that does not have a function connection with the Azurion system, but that is intended to be used inside the same patient area as the Azurion System shall be grounded to the PCB inside the ERB with a ground bonding of <= 200 mOhm for plugable equipment.		ional heat load in case of airflow is from front/side	UPS o back. Please design the air handling	in the	- Swivel -	nter
	5. Philips does not allow 3rd party equipment inside our cabinets.			monto must maintain temperaturo et EQ	٥c	/15	Ce
ce of a	6. 120V convenience outlets operational.	(15°C) to 86°F (30°C) a	as well as a non-condens	ments must maintain temperature at 59 ing relative humidity at 20-80% with 10 nidity levels must be maintained in all (3	%	, B20/15	Medical Center UT
The	7. All support structure correctly installed. All channels, pipes, beams and/or other supporting devices should be level, parallel, and free of lateral or longitudinal movements.	(equipment, examination	on and control rooms).		(22.0)	B20/12,	ain Me ty, UT
nited to her authority	8. All contractor supplied cables pulled and terminated.					- L	e Ci
e that the d, and the	9. A dust-free environment in and around the procedure room.		Electrical Re Mains 40E			'oject Zurion	Catalyst ntermountain Salt Lake City, I Soom: Lab 3
aterial from	10. All HVAC (heating, ventilating and air conditioning) installed and operational as per specifications.	Maximum Rated Power	: 100kW				Cataly Interm Salt La Room
hilips' erformed by by the hish	 Architectural features such as computer floor, wood floor, casework, bulkheads, installed and finished. When technical cabinets are installed in a closet with doors, it is suggested that the customer install a temperature alarm in the event of an air conditional failure. All plumbing installed and finished. 	Supply Configuration:	equipment grounding of have the same or large be no smaller than 6 A	insulated power conductors and an insu onductor. Insulated grounding conductor r size than line conductors. Line wires WG, 90°C or higher temperature rating. Indant on the upstream circuit breaker ration	or shall shall . The		0281 m
			Minimum 4 AWG for 80	A circuit breaker rating.		Srone	ps.col
ruction	13. Philips does not install or connect developing tanks, automatic processors or associated equipment, built in illuminators, cassette pass boxes, loading benches and cabinets, lead protective screens, panels or lead glass window and frame. This is to be done by the	Nominal Line Voltage:	480 VAC, 60 Hz	, i onouri prouver runng.		Philips Contacts Project Manager: Ray Krone	Contact Number: (801) 440-0281 Email: ray.krone@philips.com Drawn Bv: Isabella Bruno
upplied	customer/contractor.	Branch Power				Cont anag	lumb. .kron
	 Clear door openings for moving equipment into the building must be 42" (1067mm) W x 82" (2083mm) H min. 48" (1219mm) W x 82" (2083mm) H rec., Or larger contingent on an 8'-0" 	Requirement:		verify UPS power requirements)		Philips (Project M	ntact N hail: ray
drawings is act exists	(2438mm) corridor width.	Circuit Breaker:	3 phase, Type D 80A v	vith long-time delay		Ph Prc	C E E
required for nsibilities of	15. Countertop is 30" (765mm) for seated height and 36" (915mm) for standing height.				(20.1)		Ć
ne event of a hese	Note Once Philips has moved equipment into the suite and started the installation, the contractor shall schedule his work around the Philips installation team on site. It is suggested that a telephone		Remote Control	of Room Lighting			0091 E : 4/5/2023 :M456I Rev.18 0558748 .010000
be the sole	be provided in the room to receive telephone calls. This would alleviate facility staff from answering calls for Philips personnel.			e an electrical isolation system such as s the responsibility of the customer.	;	ails nber	0091 : 4/5/ :M456 :05587

answering calls for Philips personnel. Remote Service Diagnostics

customer.

Medical imaging equipment to be installed by Philips Medical is equipped with a service diagnostic feature which allows for remote and on site service diagnostics. To establish this feature, a RJ45 type ethernet 10/100/1000 Mbit network connector must be installed as shown on plan. Access to customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity. All cost with this feature are the responsibility of the

(22.0)



(12.0)

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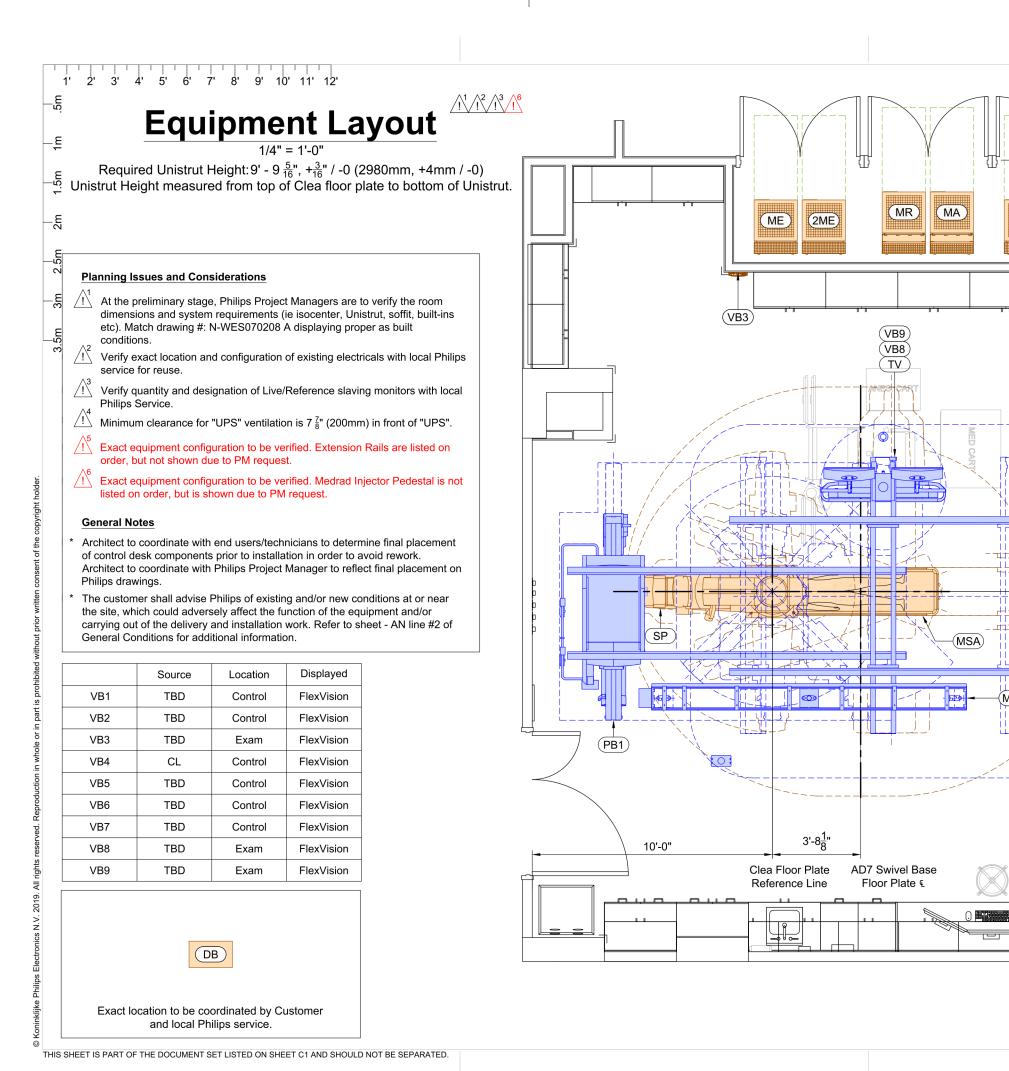


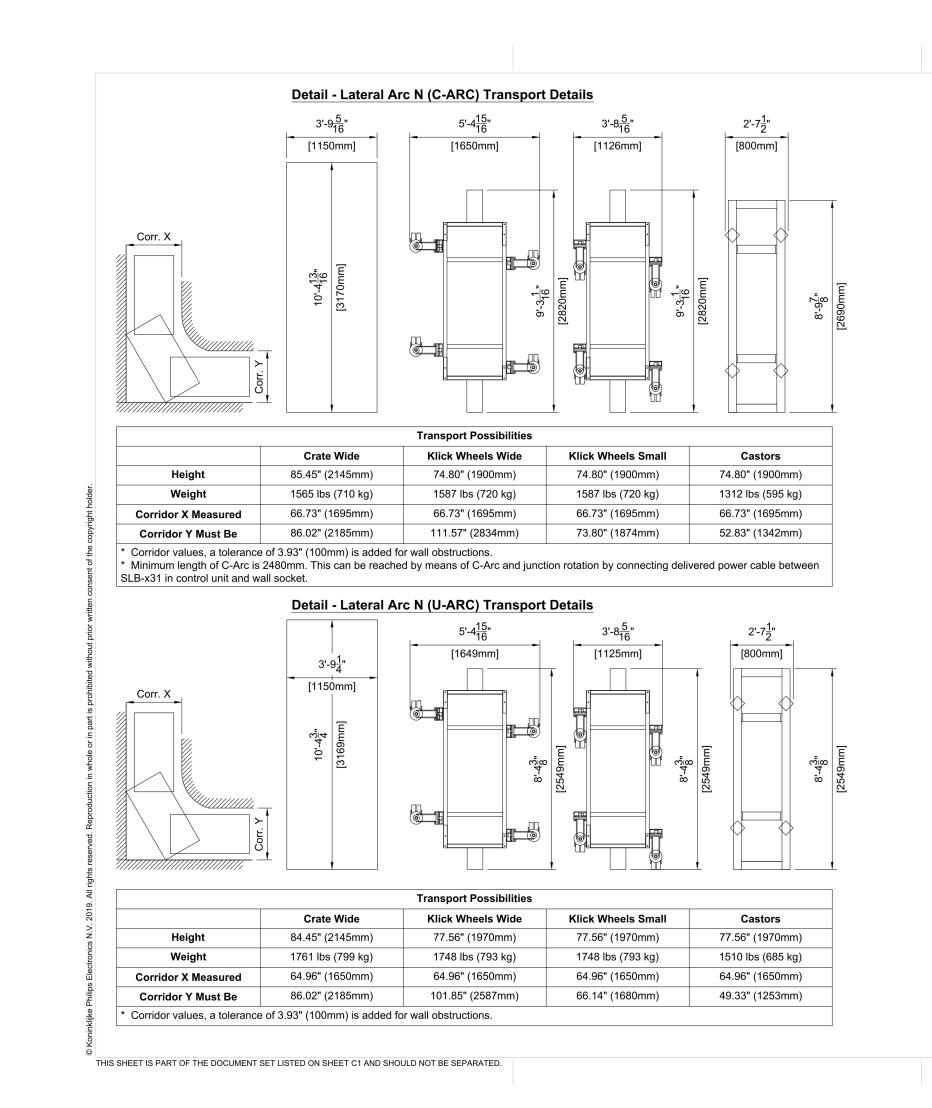


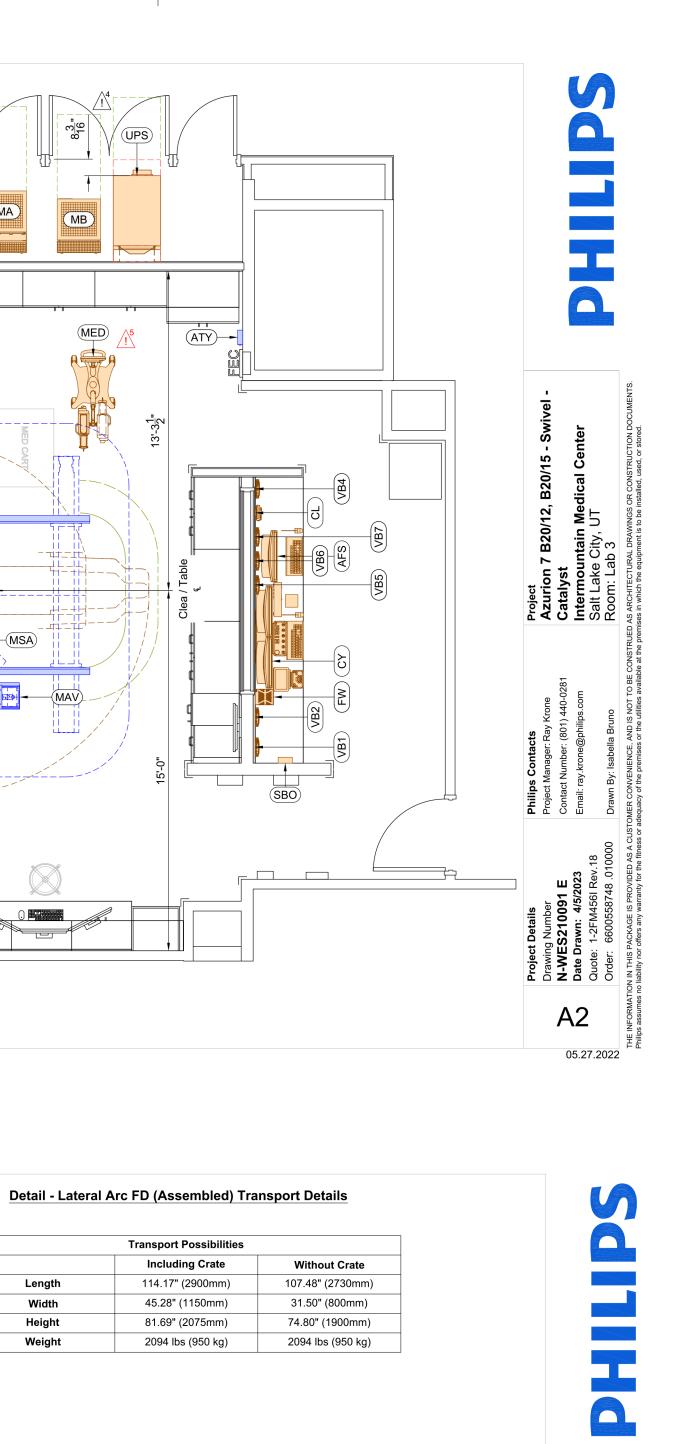


Philips Equipment

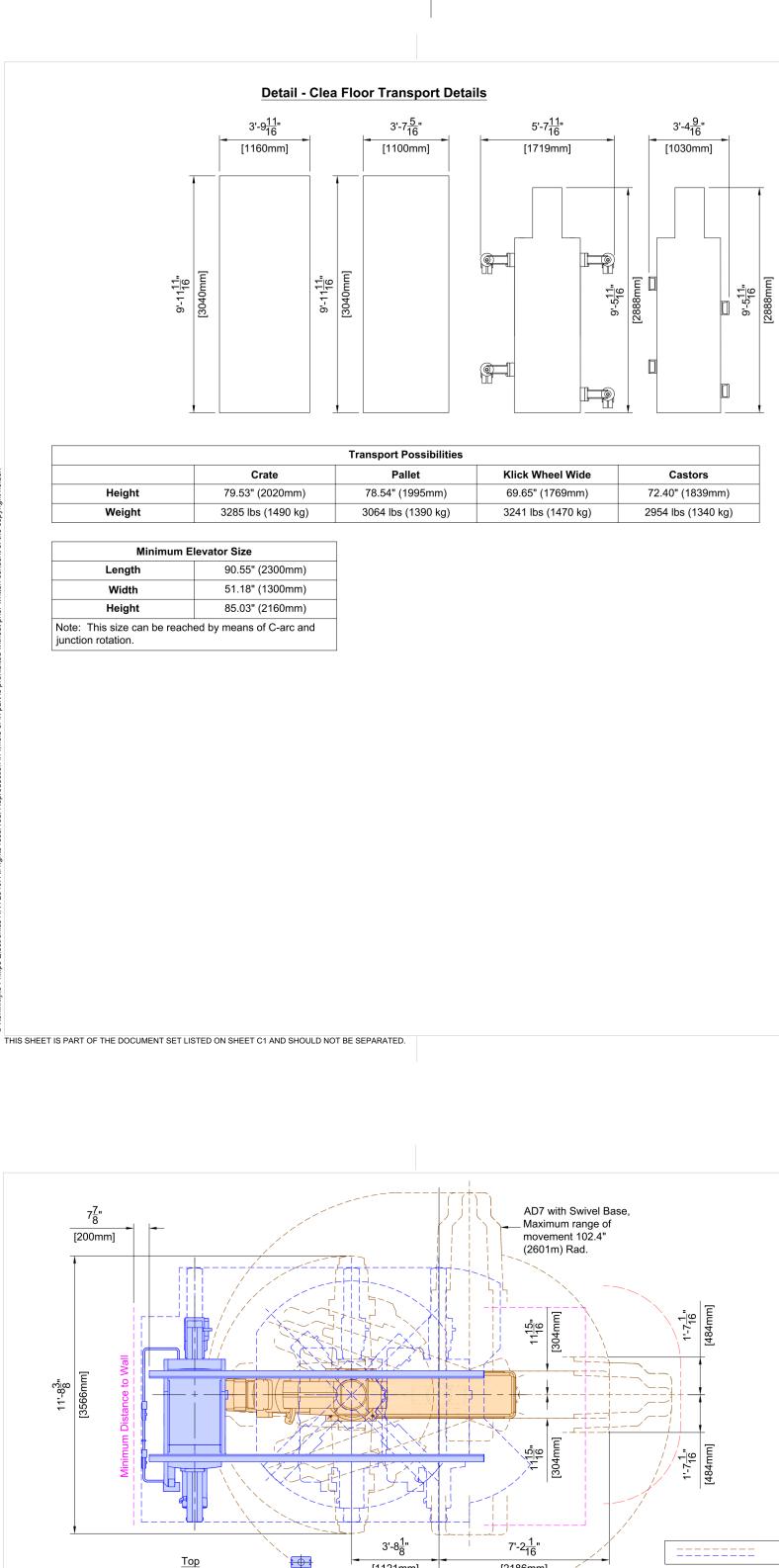
Q100







Philips Contacts Project Project Manager: Ray Krone Azurion 7 B20/15 - Swivel - Contact Number: (801) 440-0281 Azurion 7 B20/15 - Swivel - Contact Number: (801) 440-0281 Catalyst Email: ray.krone@philips.com Catalyst Drawn By: texhella Runo Salt Lake City, UT Drawn By: texhella Runo Room: 1 ab 3
Philips Contacts Project Manager: Ray Krone Contact Number: (801) 440-0281 Email: ray.krone@philips.com Drawn Rv: Isaballa Bruno



Cable Harness Outlet

 $14' - 1\frac{5}{16}"$

[4300mm]

10'-3<u>5</u>"

[3132mm]

1'-6"

[458mm]

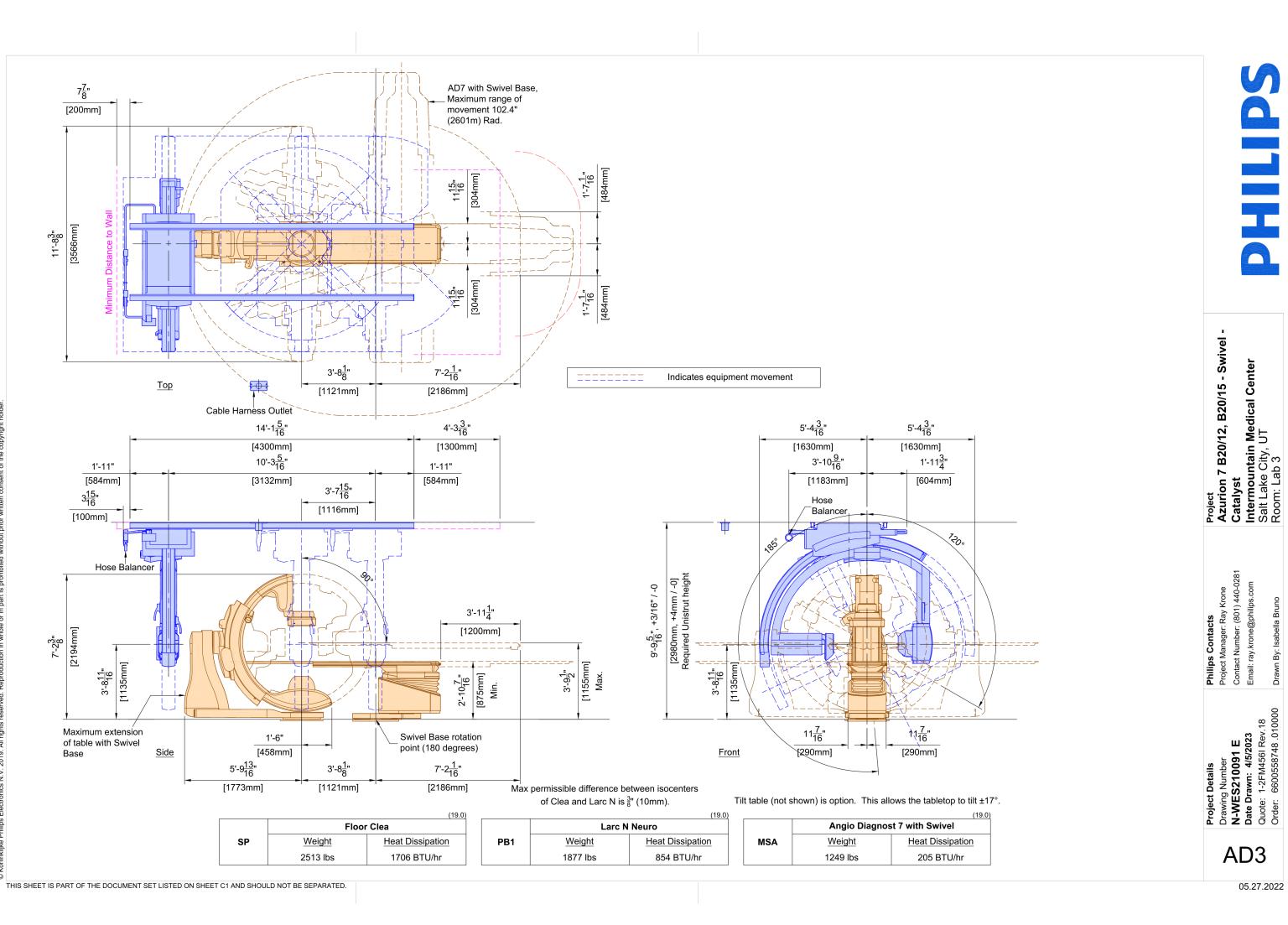
5'-9<u>13</u>"

[1773mm]



1'-11" [584mm] 3<u>15</u>" 3<u>16</u>" [100mm] Hose Balancer Maximum extension of table with Swivel Base

05.27.2022









Philips Equipment

Q101