

NOTES:

- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
- COORDINATE ALL WORK WITH OWNER, ARCHITECT AND VARIAN EQUIPMENT INSTALLER, FIELD GUIDES, AND EQUIPMENT SPECIFICATIONS.

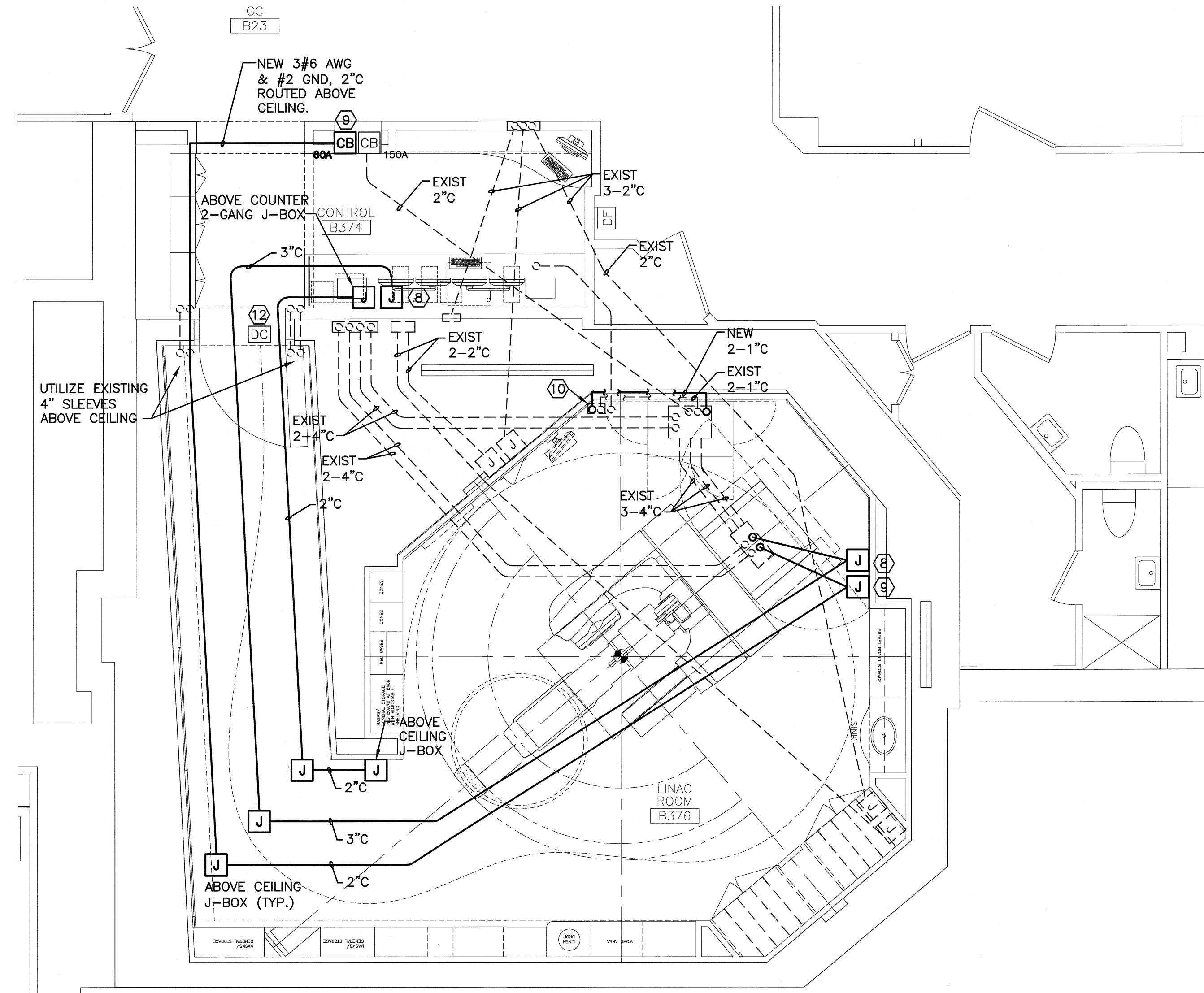
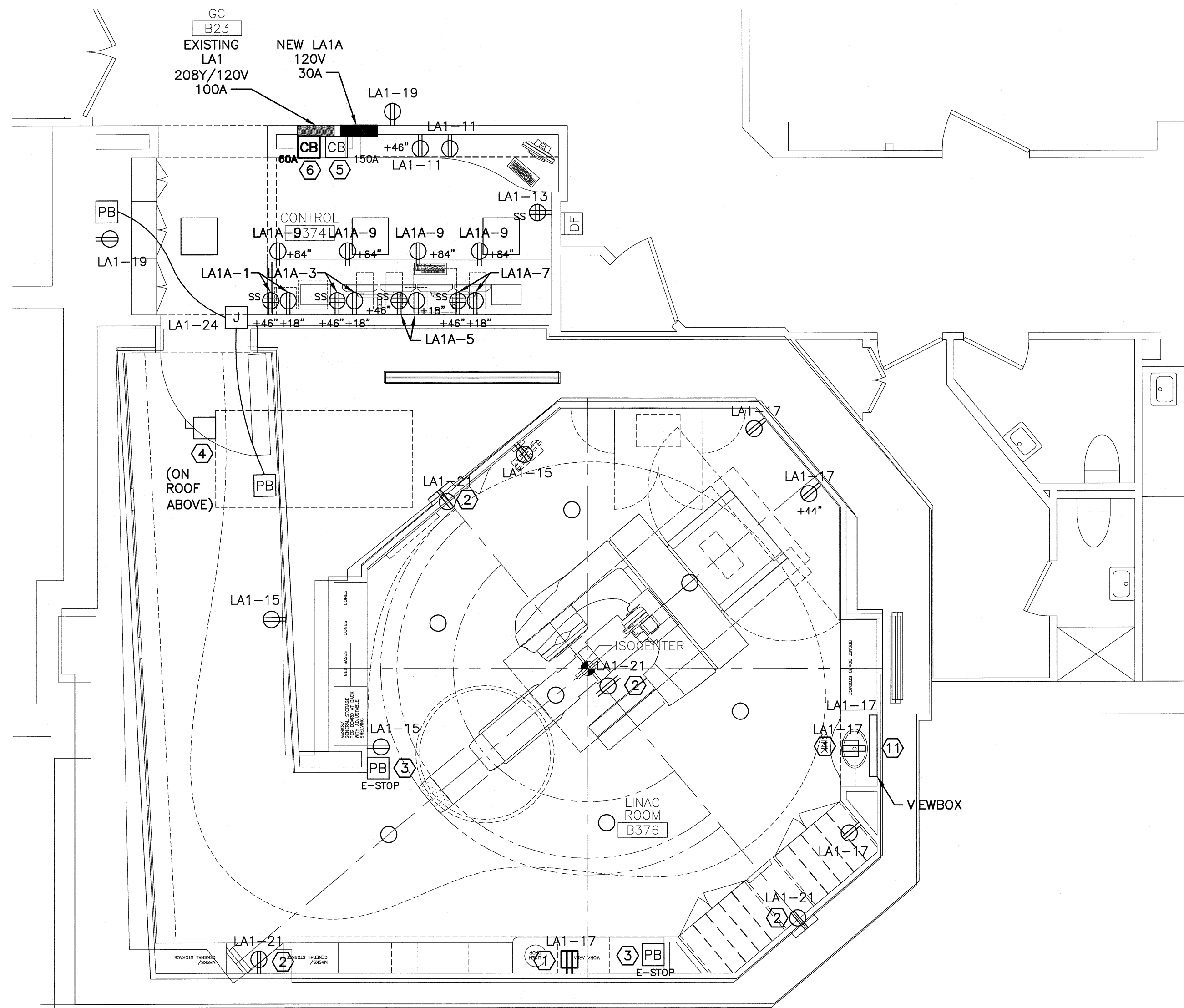
KEYED NOTES:

- MOUNT 6" ABOVE COUNTER TO CENTERLINE OF DEVICE.
- EXISTING 120V POWER CONNECTION TO LASER VIA EXISTING RELAY PANEL TO BE MAINTAINED.
- EXISTING EMERGENCY STOP PUSH BUTTON TO REMAIN AND BE RECONNECTED TO NEW VARIAN EQUIPMENT AS REQUIRED.
- EXISTING MEDICAL CHILLER TO BE REMOVED AND REPLACED WITH NEW IDENTICAL UNIT. EXTEND EXISTING FEEDER AS NECESSARY.
- EXISTING 150A, 3P CIRCUIT BREAKER WITH UNDER VOLTAGE RELAY AND RESET PUSH BUTTON TO BE MAINTAINED. EXTEND EXISTING FEEDER TO NEW POWER CONDITIONER 150A, 208V, 3P OUTPUT CIRCUIT BREAKER AS INDICATED ON INTERCONNECTION WIRING DIAGRAM. PROVIDE OWNER WITH EXISTING CIRCUIT BREAKER CATALOG INFORMATION FOR MAINTAINING SPARE STOCK.
- PROVIDE NEW 60A, 3P FLUSH MOUNT CIRCUIT BREAKER WITH 120V SHUNT TRIP COIL FOR REMOTE EMERGENCY-OFF CONTROL VIA THE CLINAC STAND (GE #0B160A480V OR EQUAL). PROVIDE NEW (4#6 AWG #2GND) 11C FEEDER FROM NEW POWER CONDITIONER 60A, 480V, 3P OUTPUT CIRCUIT BREAKER AS INDICATED ON INTERCONNECTION WIRING DIAGRAM. PROVIDE 120V CONTROL WIRING TO CLINAC STAND LOCATION AS REQUIRED.
- FURNISH AND INSTALL NEW FLUSH MOUNT LOAD CENTER "LA1A" IN EXISTING CORRIDOR WALL ADJACENT TO EXISTING LOAD CENTER "LA1". PROVIDE NEW FEEDER FROM NEW POWER CONDITIONER 120V 30A OUTPUT CIRCUIT BREAKER AND CONNECT TO BOTH A & B PHASES IN NEW LOAD CENTER. INTERCEPT AND EXTEND ALL EXISTING LINAC CONSOLE RECEPTACLE BRANCH CIRCUITS FROM "LA1" TO "LA1A" AS INDICATED.
- ROUTE CONDUIT FROM ABOVE COUNTER FLUSH MOUNT 2-GANG JUNCTION BOX AT CONTROL CONSOLE, ABOVE CEILING, INTO ROOM, ACROSS TO ABOVE CEILING JUNCTION BOX, AND DOWN INSIDE WALL. PROVIDE 90 CONDUIT SWEEP INTO SAW CUT FLOOR TRENCH AND ROUTE TO BASE PLATE FOR CABLE ROUTING.

- ROUTE CONDUIT FROM CIRCUIT BREAKER, ABOVE CEILING, INTO ROOM, ACROSS TO ABOVE CEILING JUNCTION BOX, AND DOWN INSIDE WALL. PROVIDE CONDUIT SWEEP INTO SAW CUT FLOOR TRENCH AND ROUTE TO BASE PLATE FOR CABLE ROUTING.
- EXISTING RELAY JUNCTION BOX LOCATED ABOVE CEILING. PROVIDE NEW ADDITIONAL 2" CONDUIT TO MODULATOR PULLBOX WITH EXISTING 2-1" CONDUITS AS REQUIRED.
- REINSTALL VIEWBOX REMOVED DURING DEMOLITION AND RECONNECT TO EXISTING 120V RECEPTACLE BRANCH CIRCUIT.
- EXISTING INTERLOCK DOOR CONTACTS TO BE MAINTAINED FOR CLINAC CONTROL VIA EXISTING RELAY JUNCTION BOX.

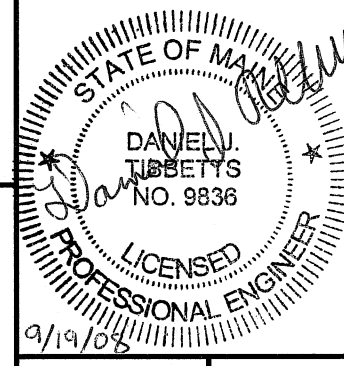
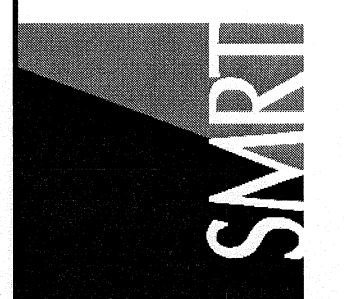
DIRECTORY	KVA LOAD		CKT NO.	BRK AMPS	A	B	BRK AMPS	CKT NO.	KVA LOAD		DIRECTORY	
	A	B							A	B		
(1) CONTROL COUNTER RECEPT	0.6		1	20			20	2			SPARE	
(1) CONTROL COUNTER RECEPT	0.6		3	20			20	4			SPARE	
(1) CONTROL COUNTER RECEPT	0.6		5	20			20	6			SPARE	
(1) CONTROL COUNTER RECEPT	0.6		7	20			20	8			SPACE	
(1) CONTROL COUNTER RECEPT	0.6		9	20			20	10			SPACE	
(1) CCTV RECEPTS	0.8		11	20			20	12			SPACE	
SUB-TOTAL		2.0	1.2	NEUTRAL BUS				0.0		0.0	SUB-TOTAL	
		GROUND BUS										
VOLTAGE:		120	1 PHASE	2 WIRE	125 AMP BUS	TOTAL KVA		A	2.0	PANEL NO.	NEW LA1A	
MAIN LUGS ONLY						TOTAL KVA		B	1.2			
MOUNTING:		FLUSH				TOTAL KVA		C	3.2	LOCATION	EQUIP ROOM B519	
SC RATING:		10,000										
NOTES: THIS PANEL IS FED FROM 30A SINGLE POLE BREAKER LOCATED IN THE LINAC POWER CONDITIONER												
(1) EXISTING CONTROL CONSOLE BRANCH CIRCUITS TO BE EXTENDED FROM LOAD CENTER "LA1".												

DIRECTORY	KVA LOAD			CKT NO.	BRK AMPS	A	B	C	BRK AMPS	CKT NO.	KVA LOAD			DIRECTORY
	A	B	C								A	B	C	
(1) SPARE				1	20				20	2				MAZE LIGHTING & CCTV
(1) SPARE				3	20				20	4				RESTROOM & BREAK LTG
(1) SPARE				5	20				20	6				TREATMENT LTG
(1) SPARE				7	20				20	8				CONTROL ROOM LTG
(1) SPARE				9	20				20	10				OUTLET B334
CONTROL FILES RECEPT				11	20				20	12				TREATMENT COVE LTG
"IMPACT" RECEPT				13	20				20	14				SPARE
TREATMENT RECEPTS				15	20				20	16				SPARE
TREATMENT RECEPTS				17	20				20	18				SPARE
REST ROOM & HALL RECEPTS				19	20				20	20				SPARE
LASER RECEPTS				21	20				20	22				SPARE
EFI				23	20				20	24				EXT. RECEPT & DOOR OPERATOR
				25					30	26				ELECTRIC HUMIDIFIER
AC-1				27	20				20	28				
				29					20	30				SPARE
SUB-TOTAL				NEUTRAL BUS								SUB-TOTAL		
		GROUND BUS												
VOLTAGE:		208Y/120V	3 PHASE	4 WIRE	100 AMP BUS	TOTAL KVA		A			PANEL NO.	EXISTING LA1		
MAIN BREAKER:						TOTAL KVA		B						
MOUNTING:		FLUSH				TOTAL KVA		C			LOCATION	CORRIDOR OUTSIDE LINAC CONTROL		
SC RATING:		10,000 AIC												
NOTES: (1) EXISTING BRANCH CIRCUIT TO BE REMOVED AND REFEED FROM NEW LOAD CENTER "LA1A" BREAKER TO BECOME SPARE.														



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MAINE MEDICAL CENTER
LINAC REPLACEMENT PROJECT
22 BRAWHALL ST PORTLAND, MAINE

ISSUED FOR CONSTRUCTION
9-19-08

REV	DATE	DESCRIPTION
0	9-19-08	ISSUED FOR CONSTRUCTION

POWER PLAN AND CONDUIT LAYOUT PLAN

SHEET TITLE:
POWER PLAN AND CONDUIT LAYOUT PLAN

SHEET NO.
E-102

A1 POWER PLAN
1/4"=1'-0"

A9 CONDUIT LAYOUT PLAN
1/4"=1'-0"