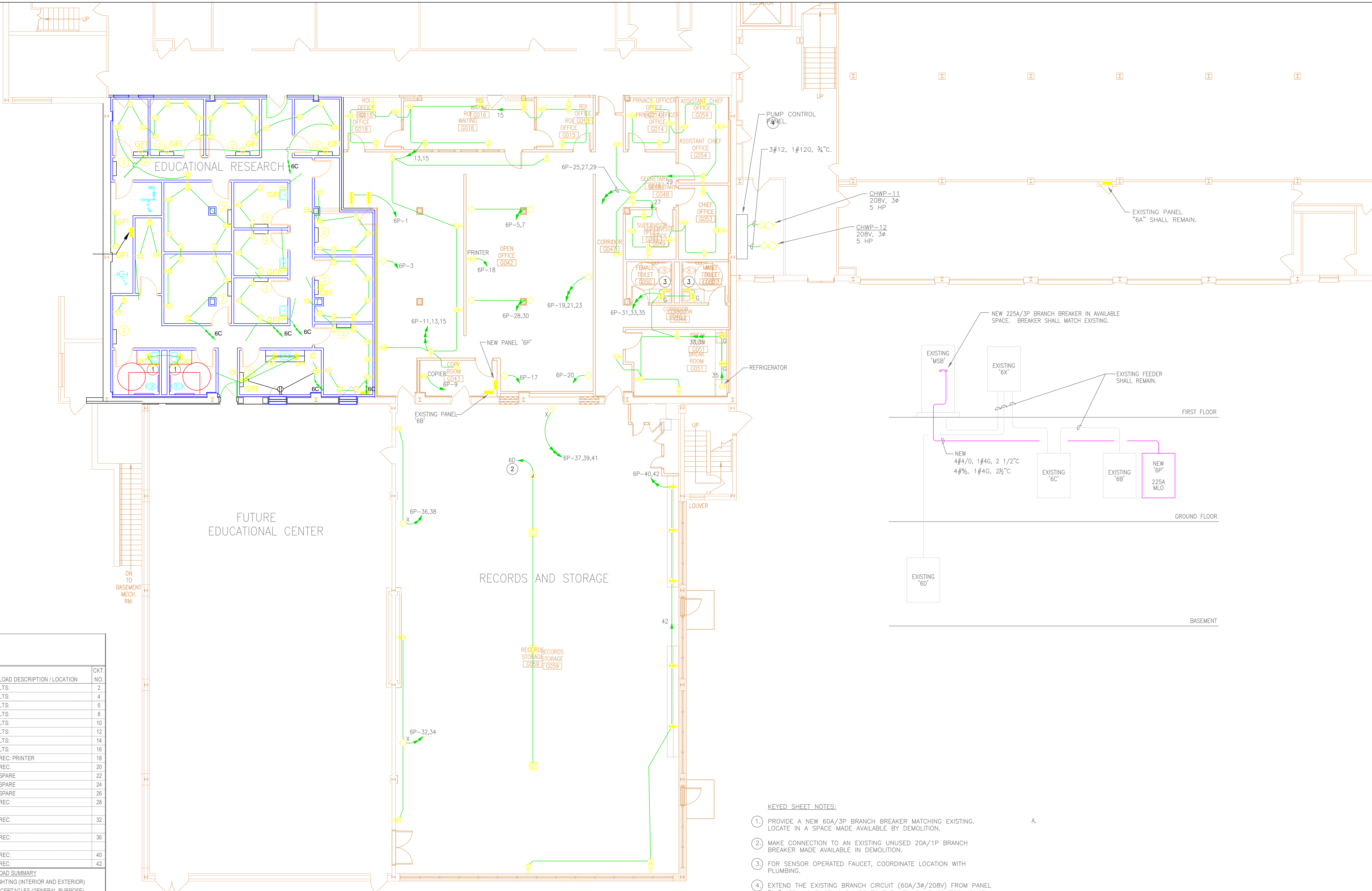


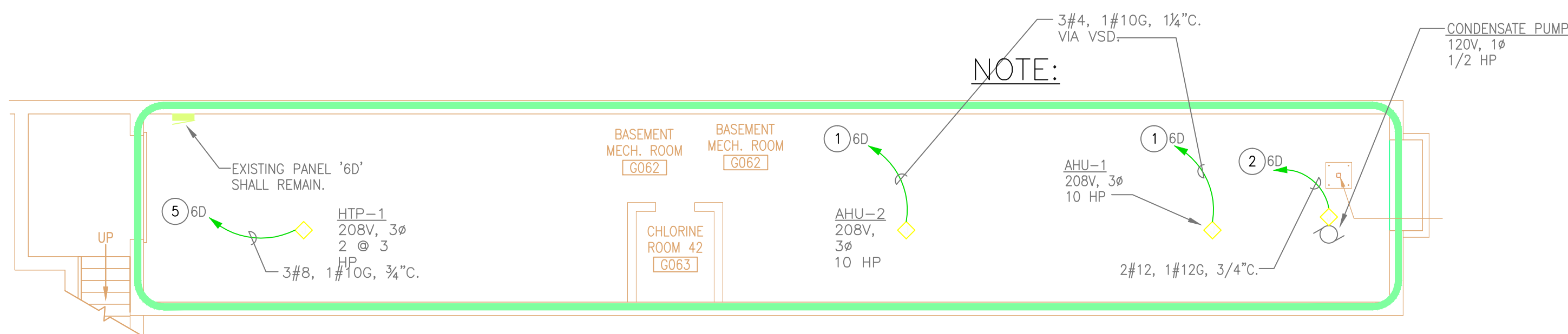
ELECTRICAL SYMBOLS

- POWER**
- DUPLEX RECEPTACLE, MOUNTED 18" AFF. NEMA 5-20R UNLESS OTHERWISE INDICATED.
 - TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 18" AFF.
 - DUPLEX RECEPTACLE, MOUNTED 44" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPASH OR COUNTERTOP.
 - TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 44" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPASH OR COUNTERTOP.
 - DUPLEX RECEPTACLE OUTLET. FLUSH FLOOR MOUNTED.
- MODIFIERS FOR RECEPTACLES:**
- G = GROUND FAULT INTERRUPTER
- BRANCH OR FEEDER CIRCUIT HOMERUN TO PANELBOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC. DESIGNATION DENOTES PANELBOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC., AND OVERCURRENT PROTECTION DEVICE NUMBER.**
- WIRING SYSTEM BELOW FLOOR OR BELOW GRADE.
 - WIRING SYSTEM CONCEALED IN OR ABOVE CEILING OR IN WALL.
 - PANELBOARD SURFACE MOUNTED.
 - JUNCTION BOX AND CONNECTION TO EQUIPMENT OR TERMINAL STRIPS.
 - HARDWARE CONNECTION FROM FLUSH MOUNTED JUNCTION BOX WITH APPROPRIATE COVERPLATE AND LIQUIDTIGHT FLEXIBLE METALLIC WHIP TO PRE-WIRED FURNITURE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH EQUIPMENT SUPPLIER/INSTALLER. EIGHT(8) WIRE SYSTEM PROVIDES FOUR(4) CIRCUITS.
 - HARDWARE CONNECTION FROM SURFACE MOUNTED RACEWAY JUNCTION BOX WITH APPROPRIATE COVERPLATE AND LIQUIDTIGHT FLEXIBLE METALLIC WHIP TO PRE-WIRED FURNITURE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH EQUIPMENT SUPPLIER/INSTALLER. EIGHT(8) WIRE SYSTEM PROVIDES FOUR(4) CIRCUITS.
 - NON-FUSIBLE SAFETY SWITCH. NUMERAL INDICATES AMPERE RATING.
 - MOTOR CONNECTION. SPECIAL VOLTAGES AS SHOWN ON DRAWING.
 - HORSEPOWER RATING
 - EQUIPMENT IDENTIFICATION
- MISCELLANEOUS**
- FLOOR PLAN KEYED NOTES, SEE FLOOR PLAN.

PANELBOARD '6P' (NEW)										TYPE: LIGHTING / APPLIANCE MOUNTING SURFACE ENCLOSURE: NEMA 1									
SUPPLY VOLTAGE: 208/120 VOLT, 3 PHASE, 4 WIRE										MAIN DEVICE: MLO									
BUS AMPACITY: 225 AMPERES										A.I.C. RATING: 10,000 AMPERES									
NEUTRAL BUS AMPACITY: 225 AMPERES										BRANCH: NORMAL									
CKT. NO.	LOAD DESCRIPTION / LOCATION	PH. A	PH. B	PH. C	NOTES	WIRE GND	WIRE SIZE	WIRE #	WIRE AMP	WIRE GND	WIRE SIZE	WIRE #	WIRE AMP	WIRE GND	WIRE SIZE	WIRE #	WIRE AMP	WIRE GND	WIRE SIZE
1	REC.	0.8				12	12	2	1	20	20	1	2	12	12		0.8		
3	REC.		1.2			12	12	2	1	20	20	1	2	12	12		0.5		
5	REC.			1.2		12	12	2	2	20	20	1	2	12	12		1.0		
9	COPIER		1.2			12	12	2	1	20	20	1	2	12	12		1.3		
11	REC.			1.4		12	12	2	1	20	20	1	2	12	12		1.3		
13	REC.		1.8			12	12	2	1	20	20	1	2	12	12		0.9		
15	REC.			1.4		12	12	2	1	20	20	1	2	12	12		1.1		
17	REC.			1.2		12	12	2	1	20	20	1	2	12	12		1.2		
19	REC.	0.4	0.4	0.4	2	12	12	2	3	20	20	1	2	12	12		1.2		
25	REC.		0.8			12	12	2	1	20	20	1	2	12	12				
27	REC.		1.8			12	12	2	1	20	20	2	2	12	12		1.2	1.2	REC.
29	REC.			1.8		12	12	2	1	20	20	1	2	12	12				
31	REC.		1.6			12	12	2	1	20	20	2	2	12	12	2	0.8	0.8	REC.
33	REC.			0.4		12	12	2	1	20	20	2	2	12	12	2	0.7	0.7	REC.
35	REFRIGERATOR			0.8		12	12	2	1	20	20	2	2	12	12	2	0.7	0.7	REC.
37	REC.	0.4	0.4	0.4	2	12	12	2	3	20	20	1	2	12	12		0.6		
						20	1	2	12	12	20	1	2	12	12		1.0		
NOTES:										CONNECTED LOAD SUMMARY									
1. WITH EQUIPMENT GROUND BUS.										8.3 KVA LIGHTING (INTERIOR AND EXTERIOR)									
2. 3-POLE BREAKER SERVES AS THE DISCONNECT FOR MODULAR FURNITURE.										27.2 KVA RECEPTACLES (GENERAL PURPOSE)									
3. -										3.2 KVA RECEPTACLES (EQUIPMENT)									
4. -										0.0 KVA HVAC (HEATING, A/C, AHU'S & EXH. FANS)									
5. -										0.0 KVA OTHER (ELEV., WATER HTR., KIT. EQUIP.)									
6. -										0.0 KVA MISCELLANEOUS									
7. -										38.7 KVA TOTAL CONNECTED LOAD									
CONNECTED PHASE TOTALS										TOTAL CONNECTED LOAD									
A = 13.2 KVA																			
B = 12.3 KVA																			
C = 13.2 KVA																			
HIGHEST CONNECTED PHASE(S)																			
PHASE A.C. 110 AMPERES																			
TOTAL CONNECTED LOAD																			
107 AMPERES																			



- KEYED SHEET NOTES:**
1. PROVIDE A NEW 60A/3P BRANCH BREAKER MATCHING EXISTING. LOCATE IN A SPACE MADE AVAILABLE BY DEMOLITION.
 2. MAKE CONNECTION TO AN EXISTING UNUSED 20A/1P BRANCH BREAKER MADE AVAILABLE IN DEMOLITION.
 3. FOR SENSOR OPERATED FAUCET, COORDINATE LOCATION WITH PLUMBING.
 4. EXTEND THE EXISTING BRANCH CIRCUIT (60A/3P/208V) FROM PANEL '6A' SERVING EXISTING PUMPS TO THE NEW PUMP CONTROL PANEL.
 5. PROVIDE A NEW 40A/3P BRANCH BREAKER MATCHING EXISTING. LOCATE IN A SPACE MADE AVAILABLE BY DEMOLITION.



THIS DRAWING IS NOT AS-BUILT AND IS TO BE USE FOR INFORMATION ONLY AND IS TO BE VERIFY BY THE CONTRACTOR BEFORE ANY DESIGN/CONSTRUCTION TAKES PLACE.

Revision		Date	RECOMMEND APPROVAL				Drawing Title		Project Title		Date			Department of Veterans Affairs		
			REQUESTER	Date	CHIEF OF SERVICE	Date	ELECTRICAL GROUND FLOOR PLAN-POWER-B-6		BUILDING #6 RENOVATION (EDUCATIONAL CENTER)		05 DEC 2011					
			ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date	Resource		Building Number		Checked					
			APPROVAL BY:	Date			Approved: Chief of Facilities Management Svr.		Building #6		Drawn					
			MEDICAL CENTER DIRECTOR						BLF		DWG. 6 OF 10					