

PANEL "A"												
RATED VOLTAGE: 120/208V, 3PH, 4W						LOCATION: SEE PLAN						
RATED AMPS: 125 AMPS						MOUNTING: RECESS						
MAIN: MLO (CU BUSS)						FEEDER CONDUCTORS: 4#1 THHN CU						
BRANCH POLES: 42						FEEDER CONDUIT: 1 1/2"						
INTERRUPTING RATE: 10 K A.I.C.						MANUFACTURER CAT.#: SQUARE-D NQDD						
BUS	KVA	DESCRIPTION		BRK TRP/PLS	WIRE/ COND.	CKT NO.	WIRE/ COND.	BRK TRP/PLS	DESCRIPTION	BUS	KVA	
A	B	C								A	B	C
3.3	3.3		AHU-1	40/2	#8-1"	1	#10-1"	45/2	CU-1			
2.1		2.1	AHU-2	25/2	#10-1"	5	#10-1"	30/2	CU-2			
	2.3		EWB	30/2	#10-3/4"	9	#12-1/2"	20/1	RECEPT. RM. #101, #112, #113		0.9	
0.4			DATA I.C.	20/1	#12-1/2"	13			COPIER		0.6	
	0.8		MICROWAVE			15			RECEPT. RM. #112		0.6	
		1.5	REF.-BREAK			17			SMALL EQPT.-NURSE		1.2	
1.2			SMALL APPLIANCE-BREAK			19			U/C REF.-LAB		1.2	
	0.9		RECEPT. RM. #107, #108			21			SMALL EQPT.-LAB		1.2	
	0.7		RECEPT. RM. #109, #114, #116			23			RECEPT. RM. #102, #103, #114, #116		0.7	
	0.7		RECEPT. RM. #106			25			LIGHTING		0.9	
	0.9		RECEPT. RM. #105, #107			27			RECIRC. PUMP		0.3	
	0.9		RECEPT. RM. #104, #105			29			SPACE			
			SPACE			31			LIGHTING		0.8	
						33			SPACE			
						35						
						37						
						39						
						41						
						42						
7.7	8.2	7.5	TOTAL						TOTAL	3.5	3.0	3.4
TOTAL BUS KVA			A: 11.2 KVA			TOTAL CONNECTED LOAD: 33.3 KVA = 92.5 AMPS			B: 11.2 KVA			
			C: 10.9 KVA									
* NON-CONCURRENT LOADS			DEMAND LOAD: (ADD 25% TO LIGHTING) = 33.7 KVA = 93.6 AMPS									

POWER PLAN NOTES

- DO NOT INSTALL POWER OR DATA BOXES BACK-TO-BACK
- CONTRACTOR MUST OBTAIN APPROVAL OF ALL RECEPTACLES AND PHONE/DATA OUTLET LOCATIONS BEFORE ROUGH-IN
- ALL RECEPTACLES ON OPPOSITE SIDES OF RATED WALLS SHALL BE SEPARATED HORIZONTALLY BY NOT LESS THAN 24"
- ALL RECEPTACLES, CONDUITS, SWITCHES AND WIRING IN PATIENT CARE AREAS SHALL COMPLY WITH NEC (REDUNDANT GROUND)
- ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE WIRED AHEAD OF SWITCHES.
- WALL RECEPTACLES, PLATES & SWITCHES TO BE IVORY. CEILING RECEPTACLES TO BE WHITE.

DRAWING KEYNOTES

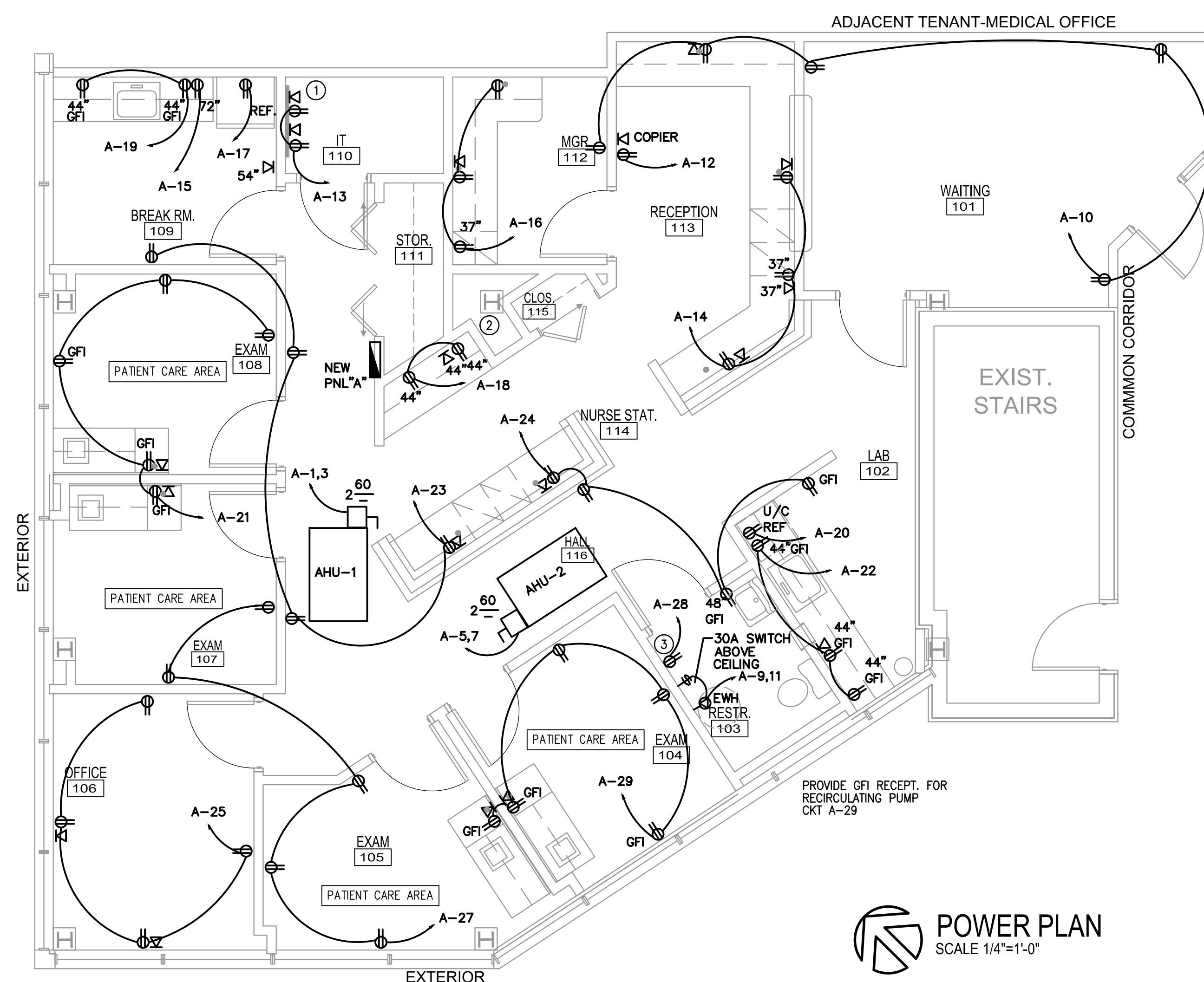
- PROVIDE 3/4" PLYWOOD BACKBOARD, VERIFY LOCATION, 3 FT. WIDE, 6 FT. HIGH, PAINT FLAT BLACK.
- RUN POWER AND 3/4" CONDUIT FOR CONTROLS UP TO CONDENSING UNIT ON ROOF THROUGH DEDICATED SPACE AT WET COLUMN. OFFSET IN CEILING SPACE AS REQUIRED TO REACH EXISTING ROOF OPENINGS. (TYPICAL A/C UNIT)
- RECIRCULATING HW PUMP ABOVE CEILING SPACE

PROVIDE EQUIPMENT GROUNDING CONDUCTORS PER NEC
 PROVIDE PANEL CIRCUIT BREAKERS MATCHING PANEL A/C RATING
 SEE SHEET T.1 FOR PROJECT CLOSE-OUT NOTES

DESIGN VALUES:
 SERVICE WIRES VOLTAGE DROP: 2%
 BRANCH CIRCUITS VOLTAGE DROP: 3%

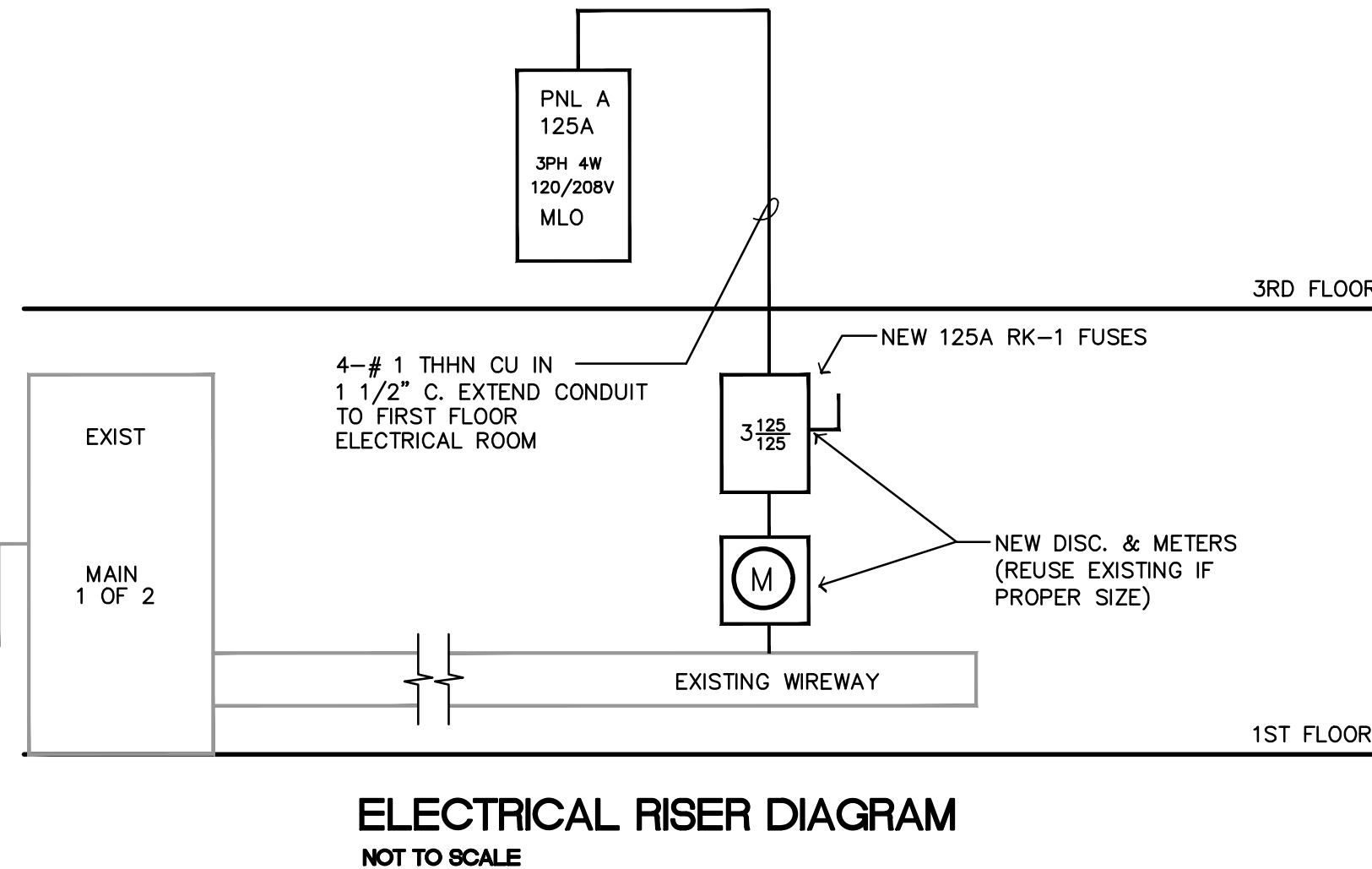
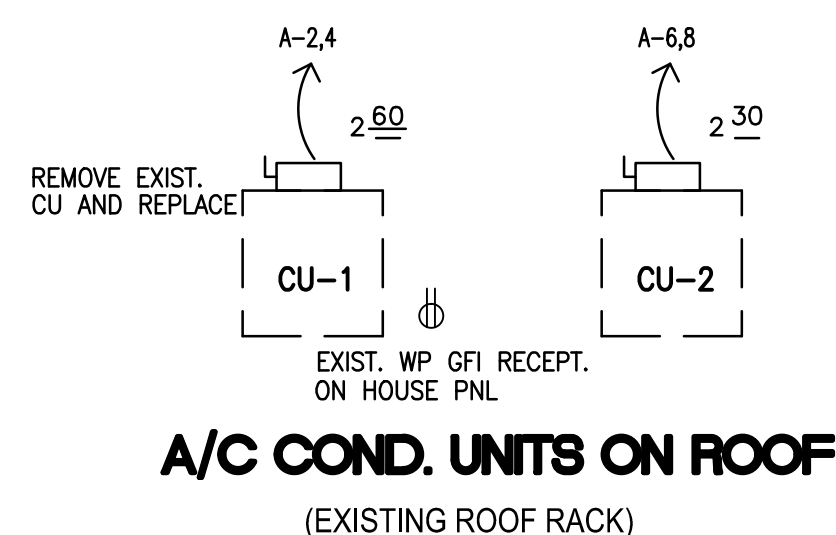
POWER PLAN LEGEND

- DUPLEX RECEPTACLE AT 18" A.F.F. U.O.N.
- SWITCH
- THREE WAY SWITCH
- DIMMER SWITCH
- DATA/PHONE RECEPTACLE AT 18" AFF U.O.N. (EMPTY)
- FAN MOTOR
- DISCONNECT SWITCH



NOTE: EXISTING DEVICES TO BE RECIRCUITED AS SHOWN

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



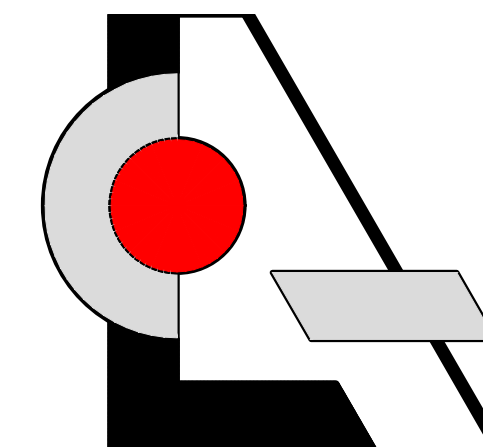
NOTE: SCOPE OF WORK SHALL INCLUDE REMOVAL OF EXISTING INDOOR & OUTDOOR EQUIPMENT SERVICING THIS SPACE

ALL LIGHTING CIRCUITS CONTAINING EMERGENCY & EXIT LIGHTS SHALL HAVE BREAKER LOCKS

EMERGENCY LIGHTS & EXIT SIGNS SHALL HAVE 90 MIN. BATTERY BACKUP.

LOCATION OF ALL ELECTRICAL BOXES MUST BE CONFIRMED WITH CLIENT & ARCHITECT PRIOR TO WIRING. MOUNT BOXES & CALL FOR WALL-THRU - NO EXCEPTION.

ALL RECEPTACLES IN PATIENT CARE AREAS SHALL BE HOSPITAL GRADE. ALL WIRING IN PATIENT CARE AREAS INCLUDING WIRING OF EQUIPMENT SHALL COMPLY WITH NEC (INSULATED REDUNDANT GROUND & GROUNDING RACEWAY)



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REVISIONS / DATE

NO.	DESCRIPTION	DATE

**Interior Improvement for
 Prospective Doctors Suite**
 9960 Central Park Boulevard, Suite 375
 Boca Raton, FL 33428

LESLAW A. CZACZYK AIA

AR 00015391

PROJ. NO. 16209
 DESIGNED BY LAC
 DRAWN BY AAA
 DATE 10/14/16
 SCALE AS SHOWN

POWER PLAN NOTES