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ELECTRICAL  
POWER PLAN

REV:

SCALE: AS NOTED

JOB#: 2121

DATE: 06-22-11

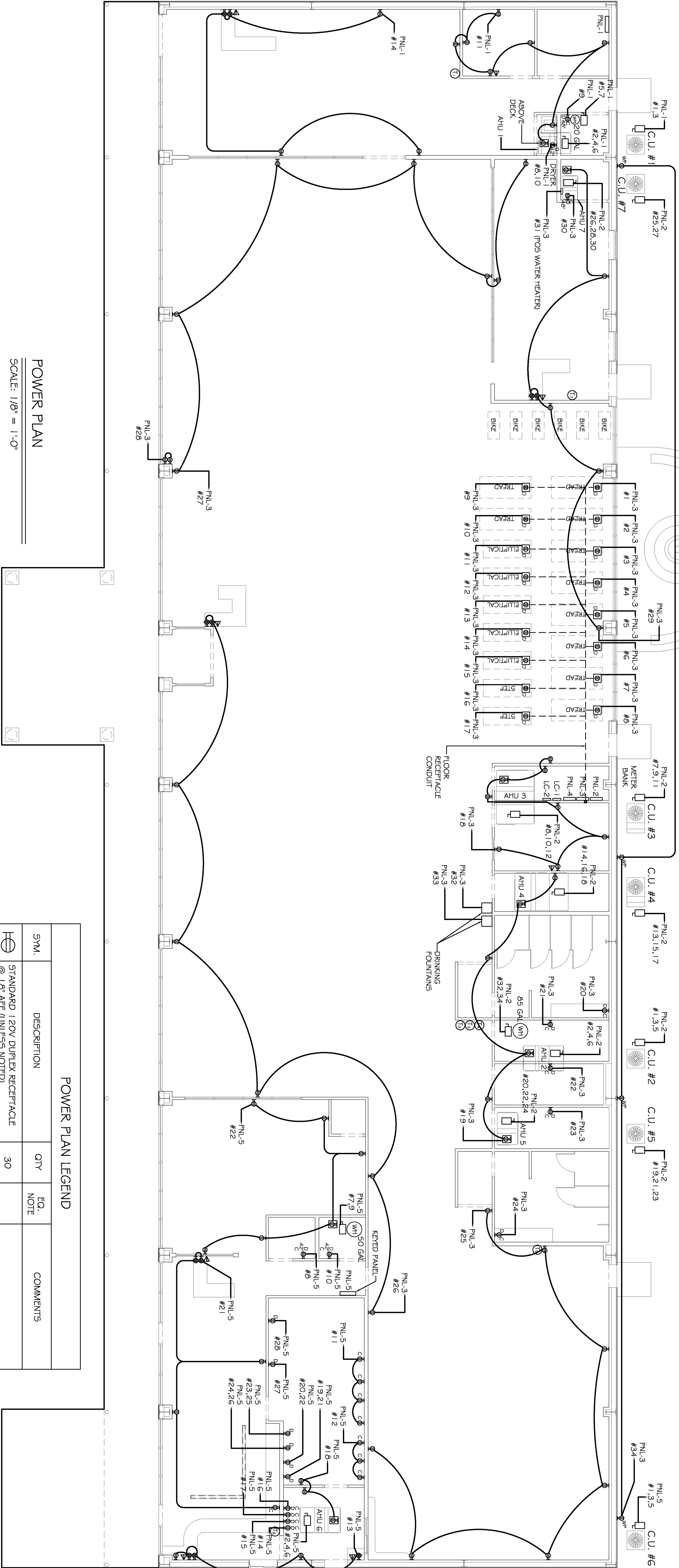
SHEET

OF 1

POWER PLAN LEGEND			
SYM.	DESCRIPTION	QTY	EQ. NOTE
	STANDARD 120V DUPLEX RECEPTACLE @ 16" AFF (UNLESS NOTED)	30	
	DEDICATED RECEPTACLE SEE PANEL SCHEDULE FOR CIRCUIT SIZE	20	4
	GFI RECEPTACLE	-	ALL OUTLETS WITHIN 48" OF A WATER SOURCE SHALL BE GFI
	WEATHER PROOF 120V DUPLEX RECEPT. @ 30" AFF (UNLESS NOTED)	4	
	RECEPTACLE @ 6' ABOVE COUNTER	-	
	STANDARD 120V QUAD RECEPTACLE @ 16" AFF (UNLESS NOTED)	11	
	STANDARD 220V DUPLEX RECEPTACLE @ 16" AFF (UNLESS NOTED)		
	STANDARD 120V FLOOR RECEPTACLE @ 16" AFF (UNLESS NOTED)	17	
	STANDARD 120V DUPLEX RECEPTACLE ABOVE DECK	7	
	QUAD CAT 5 JACK WITH FACEPLATE NETWORKING CONNECTION	8	
	POWER DISCONNECT	17	
	ELECTRIC WATER HEATER SIZE AS NOTED	2	
	AIR CONDITIONING COND. UNIT SEE MECH SHEETS FOR UNIT DETAILS	7	

EQUIPMENT NOTES:

1. EQUIPMENT LAYOUT, ELECTRICAL AND MECHANICAL DETAILS ARE BASED ON THE INFORMATION PROVIDED BY THE OWNER. CONTRACTOR TO COORDINATE ANY CORRESPONDING CHANGES TO EQUIPMENT SELECTION, LAYOUT, MECHANICAL, AND ELECTRICAL REQUIREMENTS WITH THE OWNER.
2. CONTRACTOR TO COORDINATE EQUIPMENT REQUIREMENTS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DISCIPLINES.
4. DEDICATED WALL RECEPTACLES POWERING MEDICAL EQUIPMENT SHALL BE INSTALLED AS REQUIRED BY MANUFACTURER
5. SMOKE DETECTORS SHALL NOT BE INSTALLED CLOSER THAN 1'-0" TO A LIGHT FIXTURE OR WITHIN 3'-0" FROM A HVAC AHU/RU AIR SUPPLY DIFFUSER.
6. MECHANICAL EXHAUST FAN SUPPLIED BY MECHANICAL CONTRACTOR.
7. PROVIDE 3/4" EMT AT ALL DATA JACKS TO ROOF OR CEILING ABOVE.



POWER PLAN

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

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
  2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
  3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
  4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
  5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
  6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS, WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE
  8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
  9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLLING, PLUMB CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
  10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
  12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES, WHERE LAY IN FIXTURES ARE IN USE, USE 1/4" 2 ALLOWED FOR 6" WIDTH.
  13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
  14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
  15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230.63, NFPA 250-23, 250-71 & 250-72.
  16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
  17. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
  18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
  19. NO DIRECT LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
  20. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

NOTES:  
1. CONNECT ALL EMERGENCY / EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.