

**ELECTRICAL NOTES:**

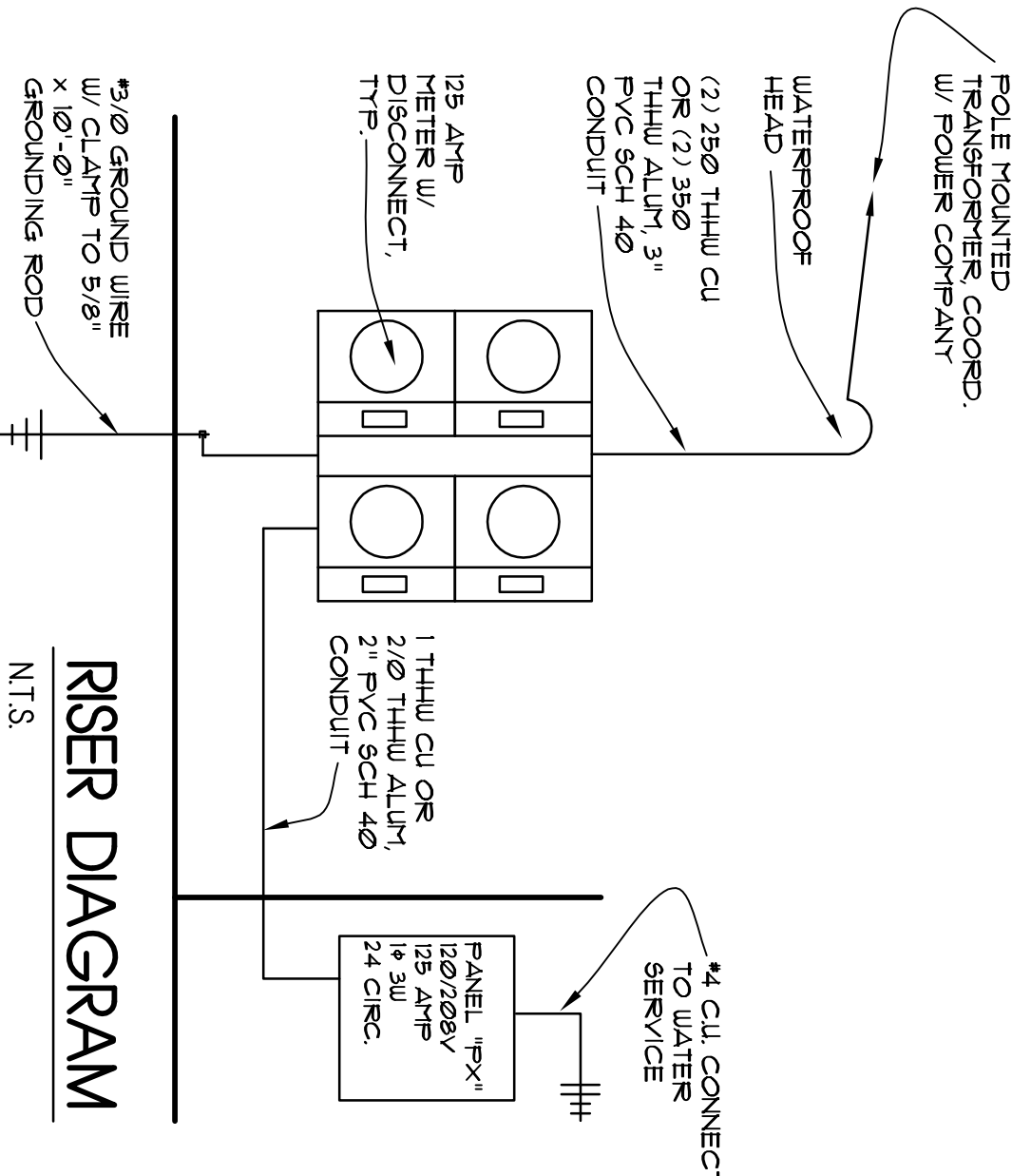
1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL LOADS ON THE ELECTRICAL PANEL.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING CONNECTIONS, DISCONNECTS, CONDUIT & ELECTRICAL HOOK UPS AS REQUIRED PER FED. & OBC & NEC.
3. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS W/ THE OWNER BEFORE ROUGH-IN BEGINS.
4. THE ELECTRICAL CONTRACTOR SHALL VERIFY W/ OWNER LOCATIONS OF ALL OUTLETS, PHONE JACKS, TV CABLE JACKS, NETWORK CABLES, DATA LINES, ETC. BEFORE FINAL INSTALLATION.
5. ALL ELECTRICAL EQUIPMENT & SYSTEMS SHALL COMPLY W/ NATIONAL ELECTRIC CODE & OBC CHAPTER 21.
6. ELECTRICAL PANELS (4) 125 AMP, 1" WALL MOUNTED PANEL. PANELS ARE LOCATED IN EACH TENANT SPACE.
7. ALL PANELS SHALL BE FIELD MARK TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARD. ALL CIRCUITS SHALL BE LABELED IN THE PANELS. SEE SHEET E1 FOR THE PANEL SCHEDULES.
8. LOCATIONS OF EQUIPMENT FIXTURES, WIRING & OTHER ELECTRICAL WORK IS INDICATED DIAGRAMMATICALLY ON THESE DRAWINGS. VERIFY LOCATIONS W/ THE OWNER STRUCTURAL CONDITIONS & SUBCONTRACTORS.
9. ALL RECEPTACLES INSTALLED IN JET AREAS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.
10. ELECTRICAL CONTRACTOR SHALL VERIFY THE BEST WAY OF RUNNING THE WIRE. ALL WIRING FOR THE NEW RECEPTACLES & EQUIPMENT SHALL BE RAN IN RIGID CONDUIT IN THE EXPOSED CONDITIONS AREAS. WIRING EXPOSED ABOVE THE CEILING OR ON THE EXPOSED STRUCTURE SHALL BE EMT. WIRING CONCEALED IN THE WALLS OR FURNISH CAN BE ROYEX.
11. PER NEC 230.12 (A)(1) "THE SERVICE DISCONNECT MEANS SHALL BE INSTALLED & A READILY ACCESSIBLE LOCATION EITHER OUTSIDE OF A BUILDING OR STRUCTURE OR INSIDE NEAREST THE POINT OF ENTRANCE OF THE SERVICE CONDUCTORS." THE SWITCH GEAR SHALL ACT AS THE DISCONNECTING DEVICE.
12. PER NEC 300.5 - ALL CABLES & INSULATED CONDUCTORS INSTALLED IN ENCLOSURES OR RACEWAYS IN UNDERGROUND INSTALLATIONS SHALL BE LISTED FOR USE IN A JET LOCATIONS.
13. PER NEC 300.9 - ALL CABLES & INSULATED CONDUCTORS INSTALLED IN ENCLOSURES OR RACEWAYS ABOVE GROUND OUTSIDE INSTALLATIONS SHALL BE LISTED FOR USE IN A JET LOCATIONS.

**ELECTRICAL SPECIFICATIONS**

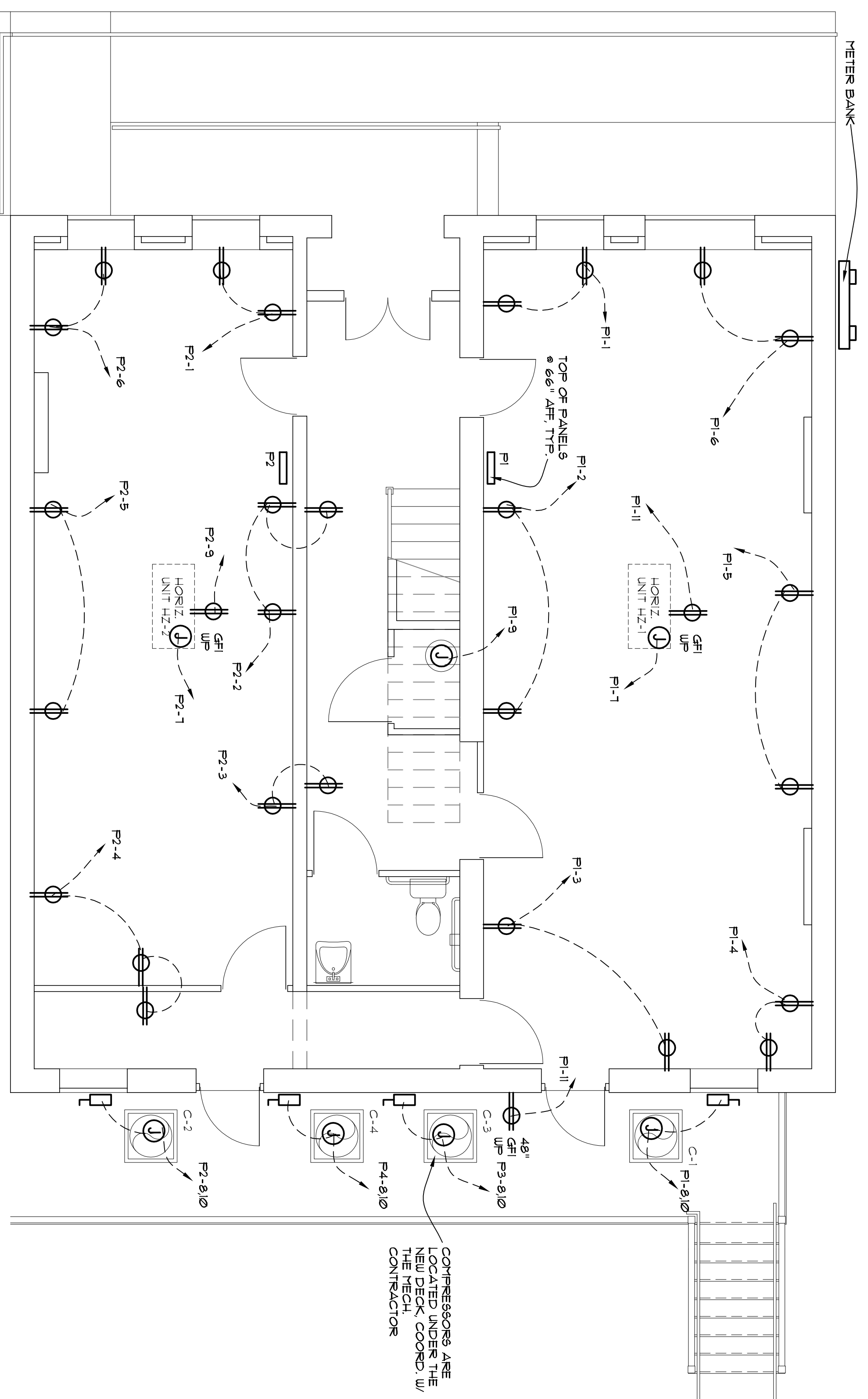
1. FINISH & INSTALL ALL LABOR MATERIALS & EQUIPMENT REQUIRED FOR OR INCIDENTAL TO INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM AS INDICATED IN THESE DOCUMENTS.
2. ALL MATERIALS SHALL BE NEW & UNDETERIORATED CONDITION UNLESS LISTED WHERE APPROPRIATE, & OF THE SAME MANUFACTURER FOR SIMILAR APPLICATIONS.
3. ALL WORK SHALL CONFORM TO STATE CODES, LOCAL CODES & THE NATIONAL ELECTRIC CODE (NEC) & SHALL BE IN A WORKMANSHIP ACCEPTABLE TO THE ARCHITECT BY CRAFTSMEN KILLED IN THIS TRADE.
4. GUARANTEE ALL MATERIALS & WORKMANSHIP (COMPARING THE ELECTRICAL SYSTEM) FOR A PERIOD OF (1) ONE YEAR FROM WRITTEN ACCEPTANCE BY THE TENANT. ANY DEFECTS IN MATERIAL OR WORKMANSHIP FOUND WITHIN THE GUARANTEE PERIOD SHALL BE REPAIRED OR REPAIRED BY THE CONTRACTOR IN A TIMELY FASHION AT NO COST WHATSOEVER TO THE TENANT.
5. THE ELECTRICAL CONTRACTOR SHALL ARRANGE & PAY FOR ALL REQUIRED FEES, PERMITS & MISCELLANEOUS COSTS ASSOCIATED WITH THE ELECTRICAL.
6. MINIMUM WIRE SIZE SHALL BE #12 THU #14 THU FOR CONTROL, UNLESS OTHERWISE NOTED. ALL WIRE SHALL BE COPPER.
7. COORDINATE THE EQUIPMENT CONNECTION REQUIREMENTS WITH THE GENERAL, PLUMBING OR HVAC CONTRACTOR TO VERIFY EQUIPMENT VOLTAGE, PHASE, DEMAND (DIFFERES), LOCATION & TYPE OF POWER CONNECTION SO THAT CONFLICTS MAY BE MINIMIZED.

**LEGEND:**

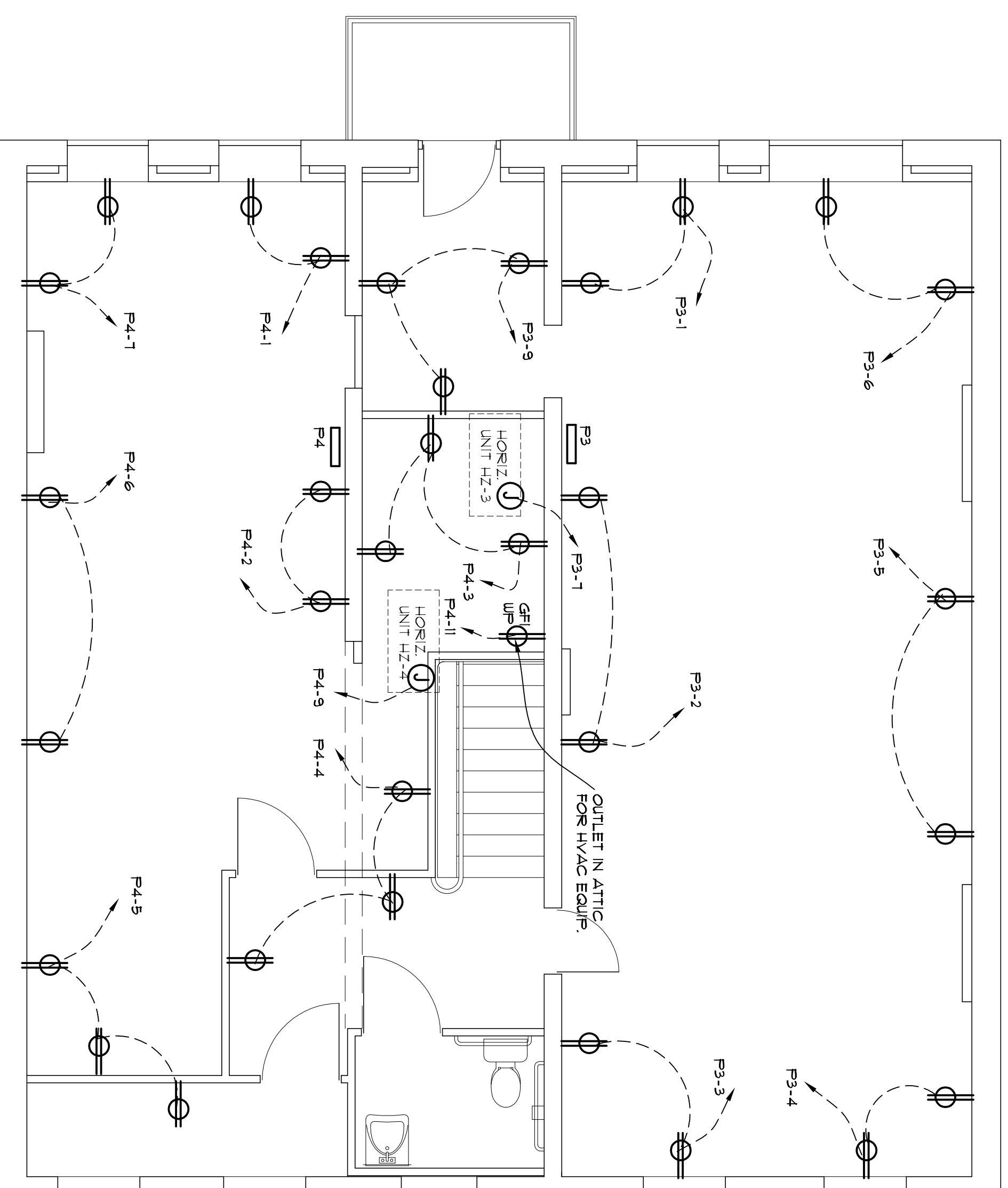
- DUPLEX RECEPTACLE @ 24" AFF TO CENTERLINE UNO.
- WIRED JUNCTION BOX FOR HARDBUILDING ADJACENT EQUIP OR FIXTURES. COORDINATE W/ EQUIPMENT.
- WALL MOUNTED WEATHER TIGHT DISCONNECT W/ IN VIEW OF THE EQUIPMENT THAT IT IS BEING USED FOR. MOUNTING HEIGHT @ 42" AFF, MIN.
- 42" MOUNTING HEIGHT TO BOTTOM OF FLUAS ABOVE FINISH FLOOR UNO.
- GFI GROUND FAULT INTERRUPTERS
- P1-12 ELECTRICAL PANEL NUMBER & CIRCUIT NUMBER
- WPF WATER PROOF FIXTURE



**RISER DIAGRAM**  
N.T.S.



**1**  
FIRST FLOOR POWER PLAN  
1/4" = 1'-0"



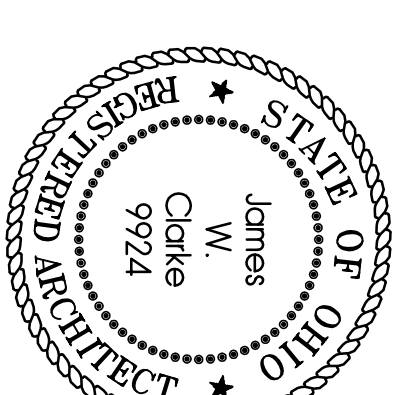
**2**  
SECOND FLOOR POWER PLAN  
1/4" = 1'-0"

**PANEL SCHEDULE P1**

RECEPT	MISC	CND	WAVE	BRANCH-CIRCUIT	BRK	CIRCUIT	BRK	BRANCH-CIRCUIT	WIRE	GND	MISC	RECEPT	Light	
SIZE	SIZE	SIZE	SIZE	DESCRIPTION	NUMBER	NUMBER	DESCRIPTION	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	
036	2	2	W-3 WALL -RECEPT	20-1	1	2	20-1	3 WALL -RECEPT	2	2	036	036		
036	2	2	S-E WALL -RECEPT	20-1	3	4	20-1	3 WALL -RECEPT	2	2	036	036		
036	2	2	N WALL -RECEPT	20-1	5	6	20-1	3 WALL -RECEPT	2	2	036	036		
100	2	2	W-1 FURN	20-1	7	8	30-2	CONSUMER C-1	0	0	265			
100	2	2	WATER HEATER	20-1	9	10	1	1	1	1	265			
036	2	2	GFI RECEPT	20-1	11	12	20-1	CHRGZ./AUTOLET LISTS	2	2		075		
					13	14								
					15	16								
					17	18								
					19	20								
					21	22								
					23	24								
TOTAL KW:											1057 KW	1530	108	075

PANEL D: P1  
LOCATION: OFFICE A  
MOUNTING: SURFACE WALL MOUNT  
MAIN TYPE: 25 AMP  
VOLTAGE: 60/240  
PHASE: 1.3 WIRE  
AC RATING: 10000  
MAIN SIZE: 25 AMP

PER NEC 230.24 CONTINUOUS & NONCONTINUOUS LOADS  
TOTAL AMPS: 4404 AMPS  
4404 AMPS X .659 = 5605 AMPS



These Drawings and Specifications prepared by Clarke Architects Inc. are instruments of service for use solely with respect to this project and, unless otherwise stated, Clarke Architects Inc. shall be deemed the author of these documents and shall retain all common law, statutory and other reserved rights, including the copyright. The architect's drawings, specifications or other documents prepared by the architect for this project or for completion of this project by others.

DATE: JULY 27, 2011

REVISION DATES:

PROJECT:

**OFFICE BUILDING**  
94 N. SANDUSKY ST.  
DELAWARE, OHIO 43015

PROJECT NUMBER: CA20079

SHEET TITLE:

**POWER PLAN/NOTES**

SHEET NUMBER: