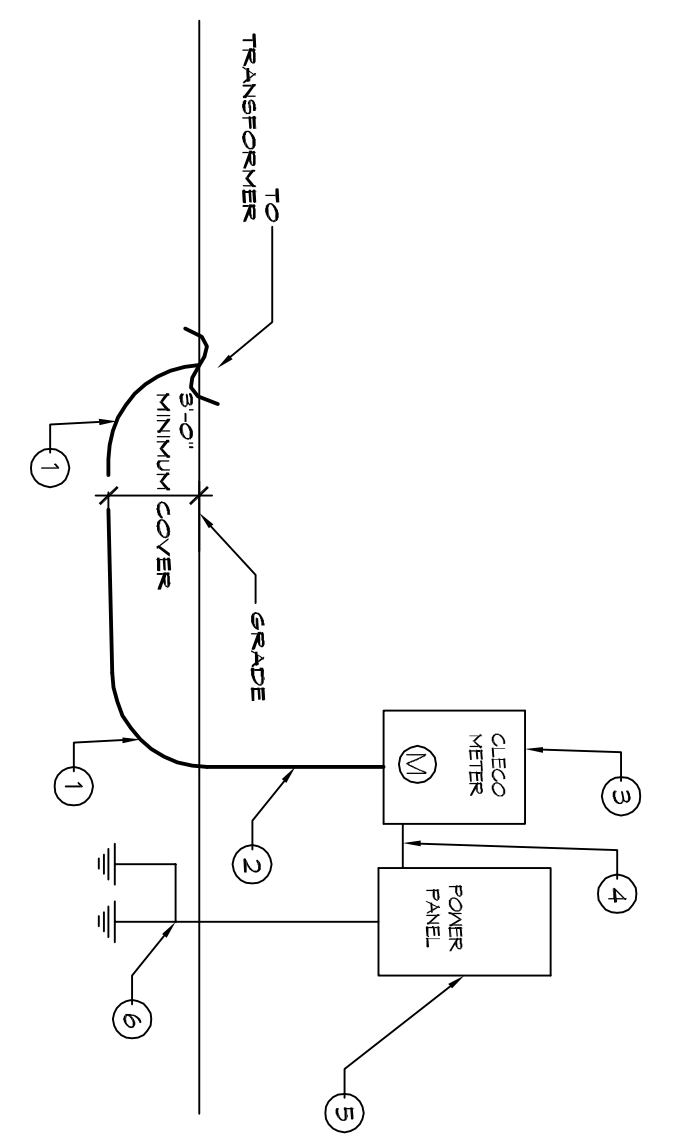


PANEL SCHEDULE		PANEL SCHEDULE		PANEL SCHEDULE	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	120V/240V 100 AMP	11	120V/240V 100 AMP	21	120V/240V 100 AMP
2	120V/240V 100 AMP	12	120V/240V 100 AMP	22	120V/240V 100 AMP
3	120V/240V 100 AMP	13	120V/240V 100 AMP	23	120V/240V 100 AMP
4	120V/240V 100 AMP	14	120V/240V 100 AMP	24	120V/240V 100 AMP
5	120V/240V 100 AMP	15	120V/240V 100 AMP	25	120V/240V 100 AMP
6	120V/240V 100 AMP	16	120V/240V 100 AMP	26	120V/240V 100 AMP
7	120V/240V 100 AMP	17	120V/240V 100 AMP	27	120V/240V 100 AMP
8	120V/240V 100 AMP	18	120V/240V 100 AMP	28	120V/240V 100 AMP
9	120V/240V 100 AMP	19	120V/240V 100 AMP	29	120V/240V 100 AMP
10	120V/240V 100 AMP	20	120V/240V 100 AMP	30	120V/240V 100 AMP



- ONE LINE NOTES:
- 36' LONG SWEEP ELBOW
  - PROVIDE TWO (2) 3" SCHEDULE 40 PVC CONDUIT BELOW SINGLE PIPES
  - 120/240V 100 200AMP METERS PAN.
  - 3-4x4 THIN, 1-2" GND, 2 1/2" C
  - 120/240V 100 200AMP PANELBOARD WITH MAIN BREAKER
  - 25/4" x 10' OJ CLAMP GND ROD #3 OJ GND WRE
  - PROTECT IN PVC PIPE CONNECT TO METAL BLDG. COLD WATER SUPPLY 1 GWS LINE. GND WRE. ALL CONNECTIONS.

**36 ONE LINE DIAGRAM**  
SCALE: 3/16"=1'-0"

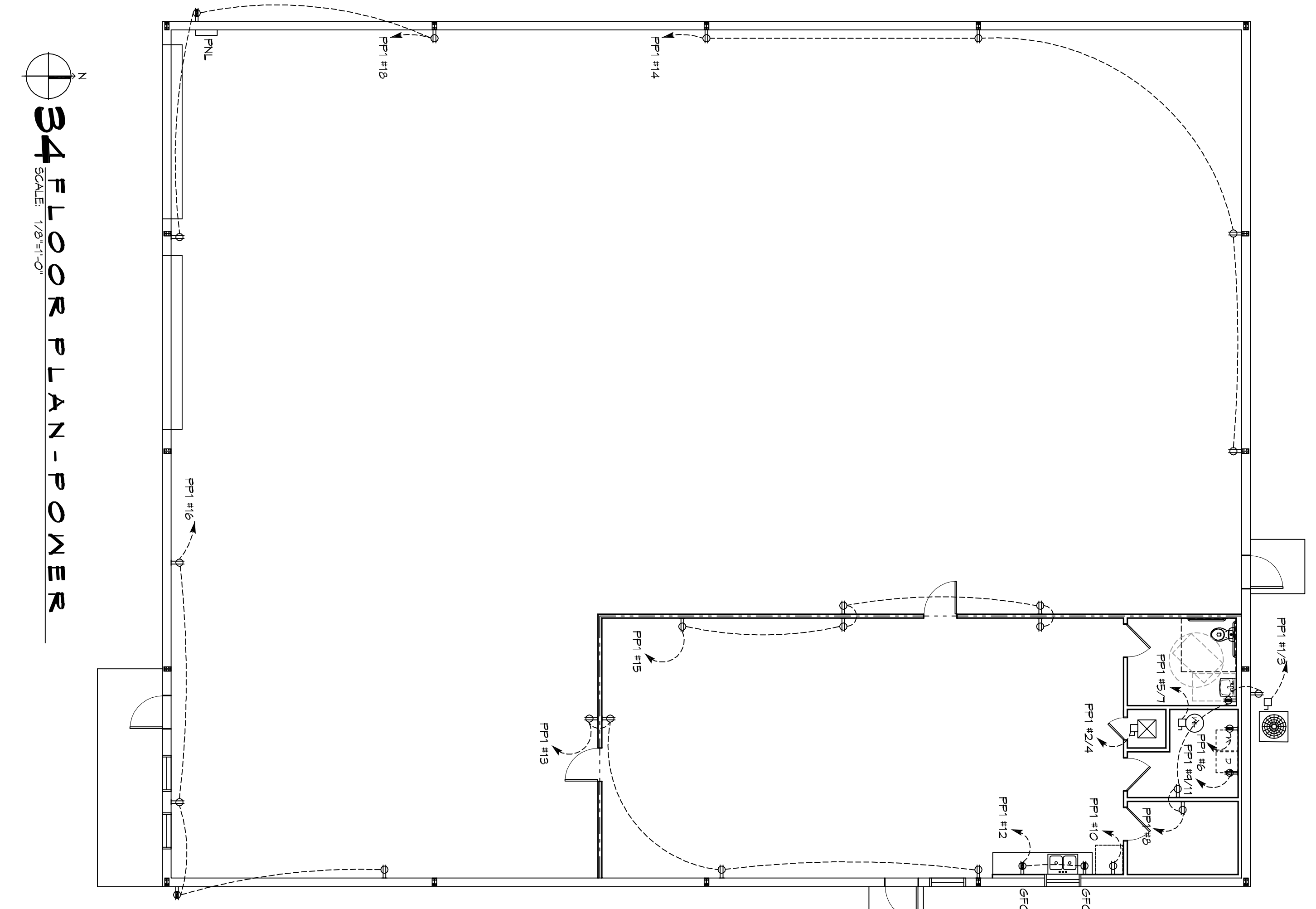
SYMB	POWER LEGEND
⊖	STANDARD 120V/240V RECEPTACLE, 15' AFF (UNLESS OTHERWISE NOTED)
⊖	SINGLE POLE DEDICATED RECEPTACLE
⊖	GFCI DUPLEX RECEPTACLE
⊖	DEDICATED GFCI DUPLEX RECEPTACLE
⊖	240V RECEPTACLE - MOUNTED AT 90' AFF
⊖	JUNCTION BOX
⊖	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 90' AFF (UNLESS OTHERWISE NOTED)
⊖	STANDARD 120V/240V RECEPTACLE - CEILING MOUNTED
⊖	SINGLE POLE RECEPTACLE
⊖	WALL MOUNTED DATA OUTLET
⊖	GND OUTLET
⊖	FIELD DISCONNECT, FUSE PER MANUFACTURER'S RECOMMENDATIONS

SYMB	LIGHTING LEGEND
⊖	EMERGENCY LIGHT FIXTURE
⊖	EXIT LIGHT FIXTURE - CEILING MOUNTED
⊖	WALL MOUNTED EXTERIOR LIGHT, 7'x10" MIN BACKUP POWER
⊖	2'x4' - 4' - FLUORESCENT OR LED; 15000 LUMENS
⊖	1'x4' - 2' - FLUORESCENT OR LED; 5800 LUMENS
⊖	1'x2' - FLUORESCENT OR LED (RESTROOMS)
⊖	3 BULB LED RESTROOM LIGHT FIXTURE
⊖	EMERGENCY LIGHT FIXTURE
⊖	3 BULB LED RESTROOM LIGHT FIXTURE

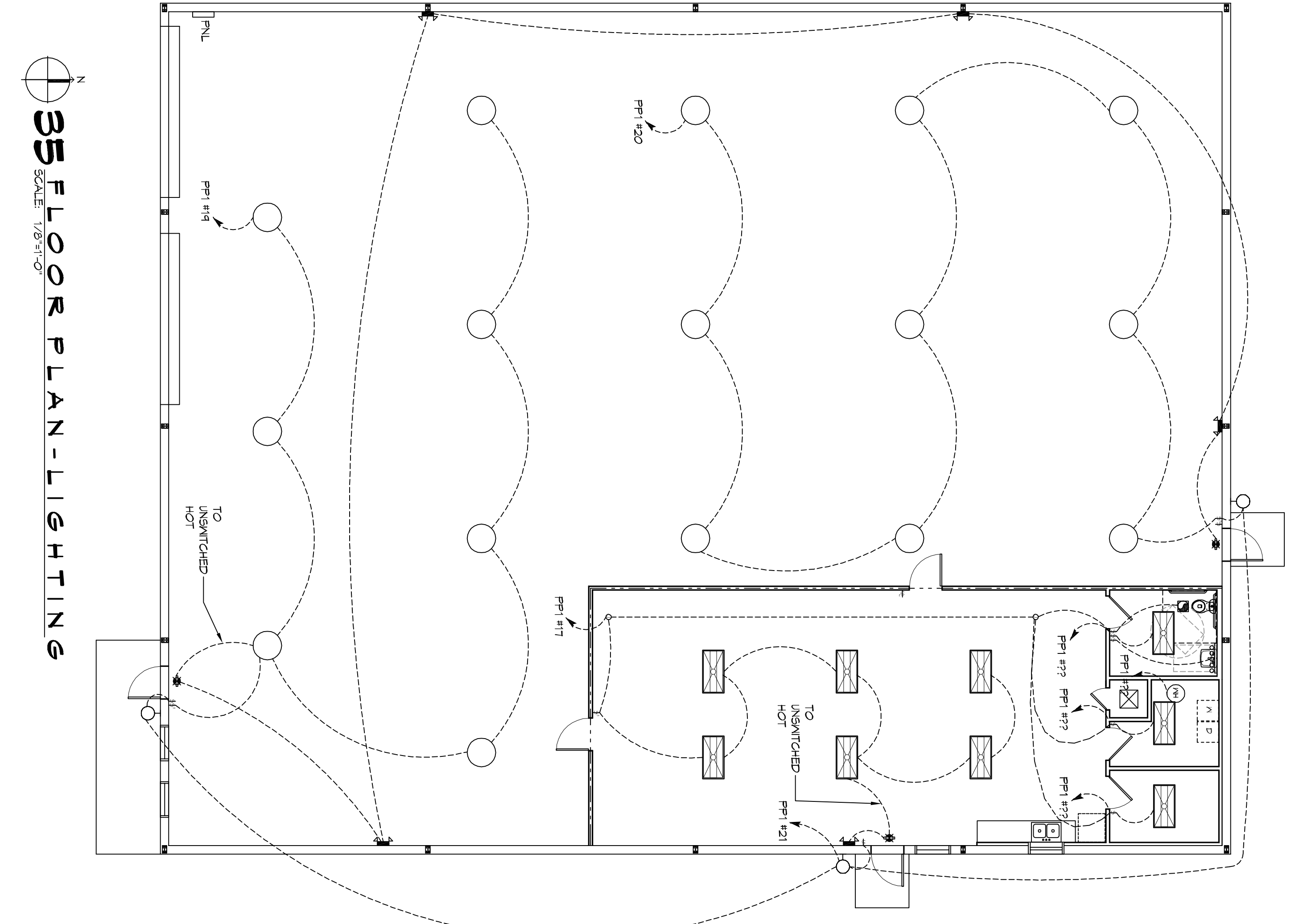
**SITE LIGHTING**

EXTERIOR LIGHTING SHALL BE SHADDED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJACENT PROPERTY LINE.

- GENERAL NOTES**
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING JURISDICTION, OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
  - ALL MATERIALS FINISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
  - THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
  - PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
  - ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
  - ELECTRICAL CONTRACTOR SHALL COORDINATE INCLUDING ELECTRICAL WITH THE TELEPHONE COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
  - ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
  - ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILING, 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 INSTALLATION OF THE ELECTRICAL WORK AS MAY BE NECESSARY TO MAINTAIN THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
  - PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER. IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
  - MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL VERTICAL TRIMING (EMT) FOR INTERIOR USE. 3/4" SCHEDULE 40 PVC FOR EXTERIOR USE ABOVE GARAGE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GARAGE. BARED A MINIMUM OF 18" FOR ALL WIRE. ALL WIRE SHALL BE NEW AND SHALL BE U.L. LISTED. EMT SHALL BE GALVANNEAL WITH VENT STUD CONSTRUCTION AND AN ASSEMBLY OCCUPANCIES. USE NMC IN WOOD CONSTRUCTION. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVERS (S).
  - CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
  - ALL 120V RINGS LONGER THAN 60 FEET SHALL BE #10 AWG AND 217V RINGS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
  - INSTALL GROUND-FULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL HAVE GROUND-FULT PROTECTION.
  - BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-65; NFPA 250-25; 250-11; 1250-12.
  - GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-25B.
  - RINGS SHALL BE IT CLASS 45, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
  - PROVIDE SERVICES OF A FIRE-SERVICE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
  - EXTERIOR LIGHTING SHALL BE SHADDED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJACENT PROPERTY LINE.
  - ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS FIRE PARTITIONS SHALL BE FIRE CALKED. 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 E-814.
  - VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
  - ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL PROVIDE AN EFFECTIVE GROUND-FULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM OR A MEDICAL GRADE PVC CABLE (NEC ART. 517.19(A) (1)(B)).



**34 FLOOR PLAN - POWER**  
SCALE: 1/8"=1'-0"



**35 FLOOR PLAN - LIGHTING**  
SCALE: 1/8"=1'-0"

- GENERAL LIGHTING**
- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES AND REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
  - GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
  - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND FIXTURES.
  - MINI CONNECTION DEVICES SHALL BE INSTALLED IN THE EXISTING ASSEMBLY, INCLUDING ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
  - ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
  - ALL 120V RINGS LONGER THAN 60 FEET SHALL BE #10 AWG AND 217V RINGS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
  - ALL CONDUCTORS SHALL BE COPPER.
  - WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
  - MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
  - WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. ALL GANGED SWITCHES SHALL HAVE A COMMON SEWABLES FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE, NEMER MORE THAN SIX (6) SWITCHES HIGH. SWITCHES SHALL BE INSTALLED WITH THE SWITCHES TO THE RIGHT OF THE SWITCHES. SWITCHES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE WIRE BUNDLES SHALL BE AS EVEN AS POSSIBLE.
  - EACH DIMMER SWITCH SHALL HAVE A MOUNTAGE EARNS 25% HIGHER THAN THE TOTAL MOUNTAGE OF ALL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS. LUTRON NOVA T-STAR, WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR, FLUORESCENT AND LOW VOLTAGE DIMMERS SHALL BE LUTRON NOVA T-57ARK.
  - ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTERNAL TEST BUTTON AND SHALL BE NEW CONSTRUCTION.
  - ALL EMERGENCY EXIT LIGHTS SHALL BE INSTALLED WITH DOUBLE END WINGS AND BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.132.

**NEW OFFICE WAREHOUSE**

**MIKE SCHWARTZ**

217 GENERAL PATTON  
MANDEVILLE, LA

JOB No: 2409 DATE: 02-12-2020

DRAWN BY: CKD CHECKED BY: BAM

Chief Engineer: Brian Mstich, PE  
554 Old Spanish Trail  
Slidell, LA 70458

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REVISIONS		DATE
#	DESCRIPTION	

**DAMMON ENGINEERING INC.**

LOUISIANA & MISSISSIPPI

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