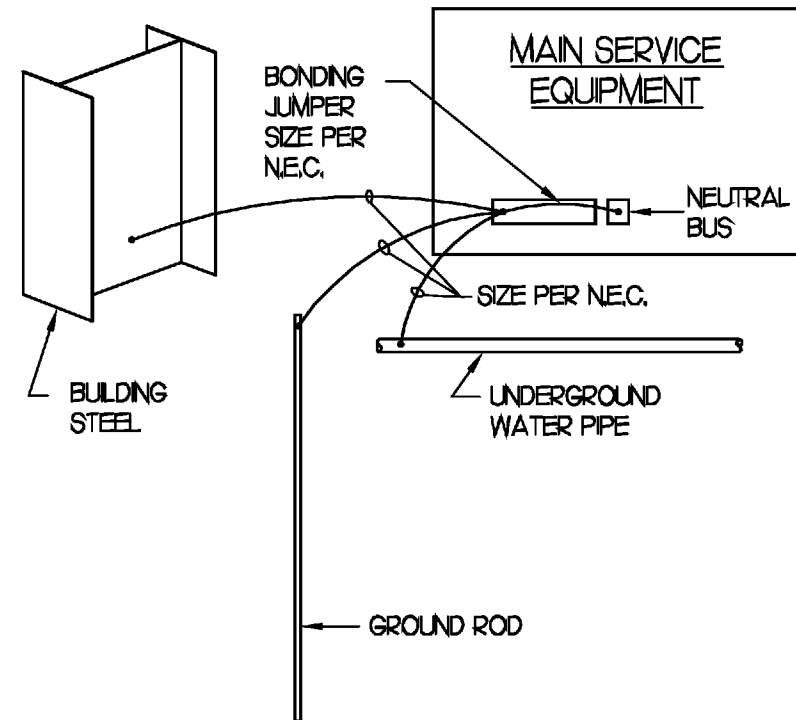




ELECTRICAL SYSTEM GROUNDING & BONDING

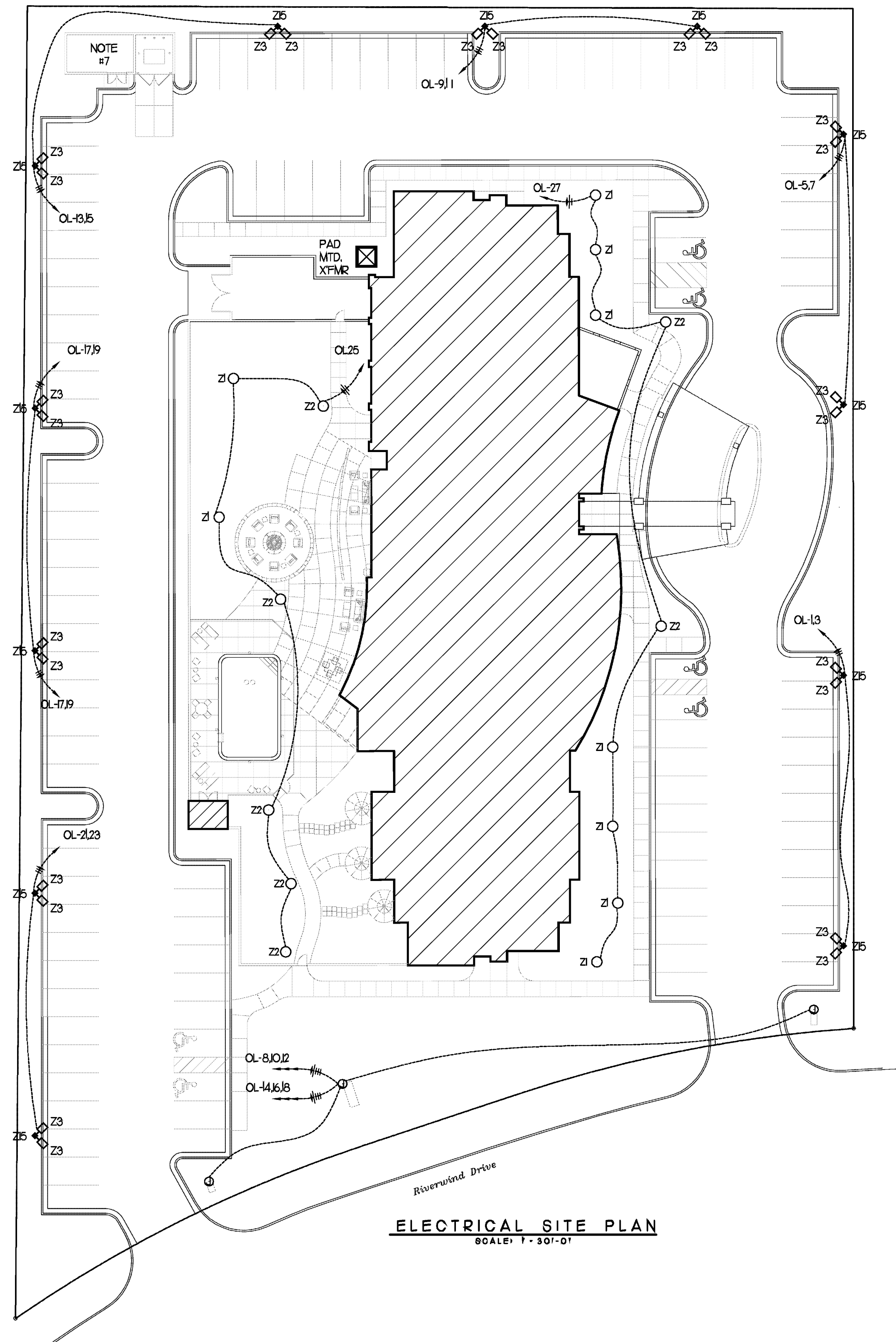
- THE GROUNDING ELECTRODE CONDUCTOR AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-50 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
- THE MAIN BONDING JUMPER AT THE MAIN SERVICE EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-102 OF THE N.E.C. AND AS SHOWN ON THE ADJACENT SKETCH.
- EQUIPMENT GROUNDING CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS MAY BE A COPPER OR CORROSION RESISTANT CONDUCTOR, RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, OR THE METALLIC SHEATH OR COMBINED METALLIC SHEATH AND GROUNDING CONDUCTORS OF TYPE MC CABLE.
- WHERE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IT SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250-122 OF THE N.E.C. AND THE FOLLOWING TABLE:

AMPERE SETTING OF OVERCURRENT DEVICE AHEAD OF CIRCUIT	MINIMUM COPPER WIRE SIZE
15	14
20	12
30	10
40	10
60	10
100	8
200	6
300	4
400	3
500	2
600	1
800	2/0
1000	2/0
1200	3/0
1600	4/0

- GROUND SERVICE TO WATER PIPE, GROUND ROD, AND CONCRETE ENCASED ELECTRODE WITH ARTICLE 250 OF THE N.E.C.

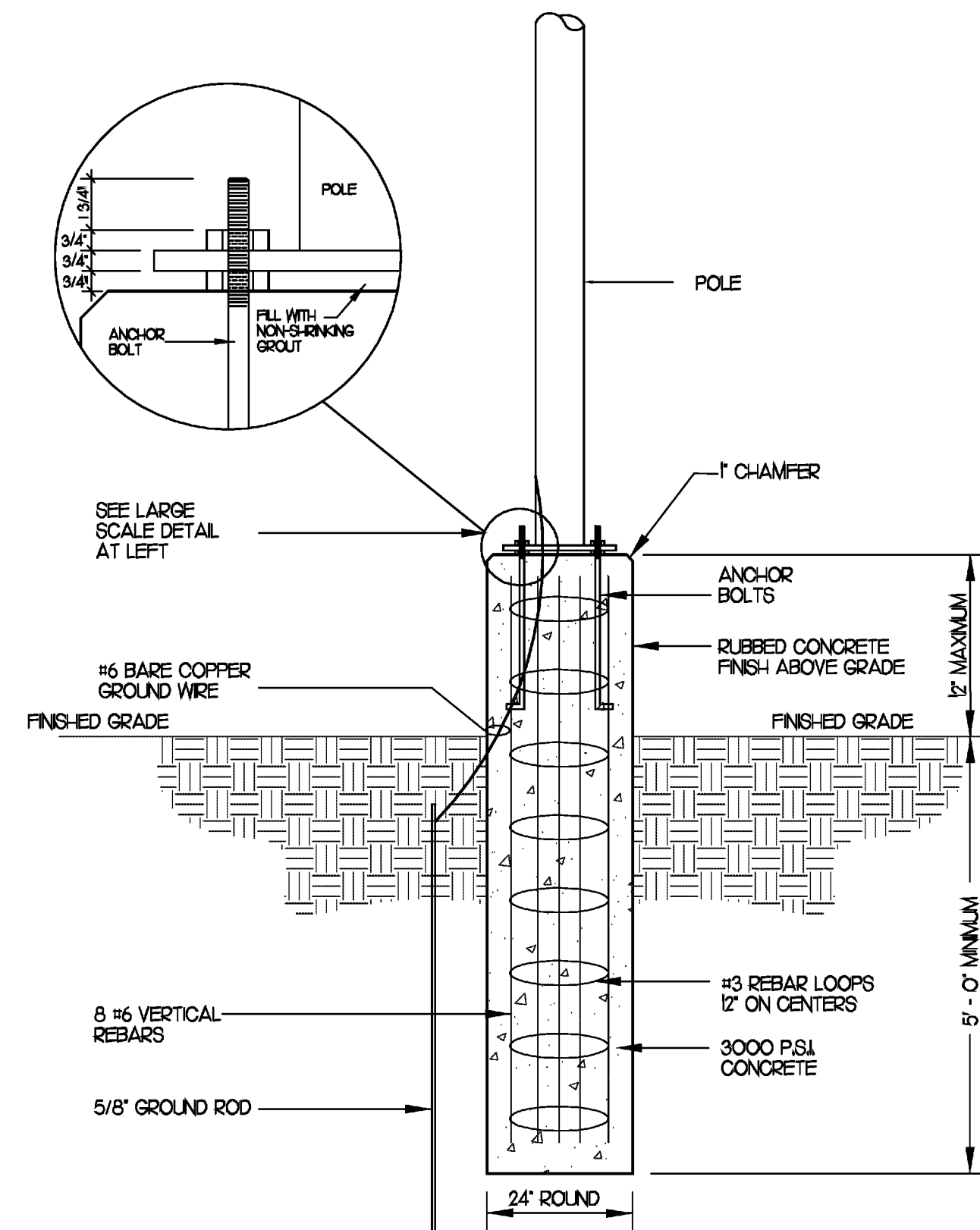
ELECTRICAL SYSTEM GROUNDING AND BONDING

NOT TO SCALE



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

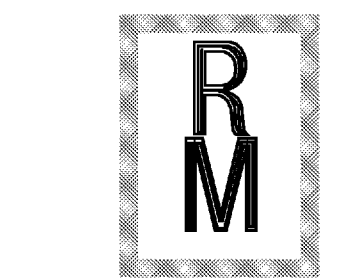


POLE BASE DETAIL FOR TYPE "Z1" AND "Z15" POLES

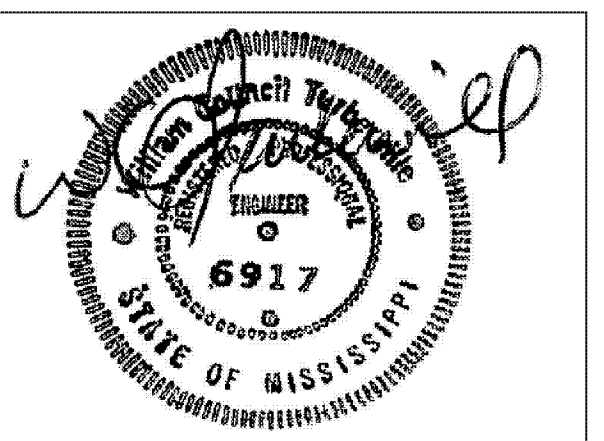
NO SCALE

ELECTRICAL SITE PLAN NOTES

- TELEPHONE SERVICE**
COORDINATE THE LOCATION OF ALL TELEPHONE SERVICE CONDUITS WITH THE LOCAL TELEPHONE COMPANY. PROVIDE SIZE AND QUANTITIES OF CONDUITS AS REQUIRED. PROVIDE CONDUITS FROM THE PER ROOM TO A POINT AT THE PROPERTY LINE WITH CONDUITS STUBBED-UP AS DIRECTED BY THE LOCAL TELEPHONE COMPANY.
- CATV SERVICE**
COORDINATE THE LOCATION OF ALL CATV SERVICE CONDUITS WITH THE LOCAL CABLE TELEVISION COMPANY. PROVIDE SIZE AND QUANTITIES OF CONDUITS AS REQUIRED. PROVIDE CONDUITS FROM THE PER ROOM TO A POINT AT THE PROPERTY LINE WITH CONDUITS STUBBED-UP AS DIRECTED BY THE LOCAL CABLE TELEVISION COMPANY.
- ELECTRICAL SERVICE**
1) SERVICE VOLTAGE TO THIS PROJECT SHALL BE 600/347V, 3-PHASE, 4 WIRE, 60 HZ.
2) THE ROUTING OF THE UNDERGROUND ELECTRIC PRIMARY SERVICE ENTRANCE SHALL BE AS DETERMINED BY THE LOCAL POWER COMPANY. PROVIDE NECESSARY UNDERGROUND CONDUITS CONSISTING OF THE SIZE AND QUANTITIES AS REQUIRED BY THE LOCAL POWER COMPANY.
3) THE LOCATION OF THE PAD MOUNTED TRANSFORMER IS SHOWN ON THE ELECTRICAL SITE PLAN. HOWEVER THE PROPOSED LOCATION SHALL BE COORDINATED WITH THE LOCAL POWER COMPANY.
4) ARRANGE WITH THE LOCAL POWER COMPANY FOR BOTH TEMPORARY AND PERMANENT POWER TO THIS PROJECT. CONSULT WITH THE LOCAL POWER COMPANY REPRESENTATIVES TO INSURE THAT ADEQUATE POWER OF THE DESIRED VOLTAGE AND PHASE CHARACTERISTICS IS AVAILABLE. ASSIST THE OWNER IN OBTAINING THE NECESSARY SERVICE AGREEMENTS.
5) ALL SERVICE REQUIREMENTS SHALL BE CAREFULLY INVESTIGATED BY AND COORDINATED BY THE ELECTRICAL CONTRACTOR. PROVIDE ALL REQUIRED FACILITIES INCLUDING BUT NOT LIMITED TO: TRENCHING AND BACKFILL, CONDUIT, FILL, WIRES AND/OR ROPES & STRINGS, CABLE CONNECTIONS AND WETTERING PROVISIONS AND REQUIREMENTS.
6) DO NOT PERFORM ANY WORK IN CONNECTION WITH THE MAIN SERVICE PRIOR TO RECEIVING AN ENGINEERING DRAWING FROM THE POWER COMPANY SHOWING THE REQUIRED FACILITIES.
- GENERAL ELECTRICAL SITE PLAN NOTES**
1) ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND NATIONAL ELECTRICAL CODES, INCLUDING THE LATEST EDITION OF THE N.E.C. AND ADA GUIDELINES.
2) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PURCHASING ALL NECESSARY LICENSES, PERMITS, AND INSPECTIONS AS WELL AS ANY OTHER FEES REGARDING THE ELECTRICAL INSTALLATION.
3) CONNECT ALL P.V. VALVES TO THE FIRE ALARM SYSTEM - VERIFY LOCATION OF ALL P.V. VALVES WITH THE SPRINKLER CONTRACTOR.
4) PAD MOUNTED TRANSFORMER BY LOCAL POWER COMPANY, PAD AS DIRECTED BY THE LOCAL POWER COMPANY.
5) ALL WIRING SHOWN ON THIS SITE PLAN SHALL BE A MINIMUM OF 40 THIN / THIN COPPER IN A MINIMUM GATE, UNLESS NOTED OTHERWISE.
6) PROVIDE ALL NECESSARY DISCONNECT AND SWITCHES FOR ALL SIGNS - COORDINATE ALL SIGN CONNECTIONS WITH SIGN CONTRACTOR.
7) ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL (3) FUSE / (1) FLOODESCENT STRIP FIXTURES CONTROLLED BY A SPST SWITCH IN EACH REARDOOR OR RECEPTACLE ON THE EXTERIOR WALL NEAR THE DOOR, AND A DUPLEX RECEPTACLE NEAR THE DOOR IN THE INTERIOR OF THE STORAGE BUILDING. ALL OF THIS WORK TO BE FIELD FROM CIRCUIT 103-20.



Richard Molenaar
ARCHITECT



PROJECT NAME:



Riverwind Drive Pearl, Mississippi

SHEET TITLE:

ELECTRICAL SITE PLAN

PROJECT NO.
09017

LATEST REVISION:



DRAWN BY:
SMJ

CHECKED BY:
SMJ

SHEET NUMBER:

DATE:
9/01/11

E191