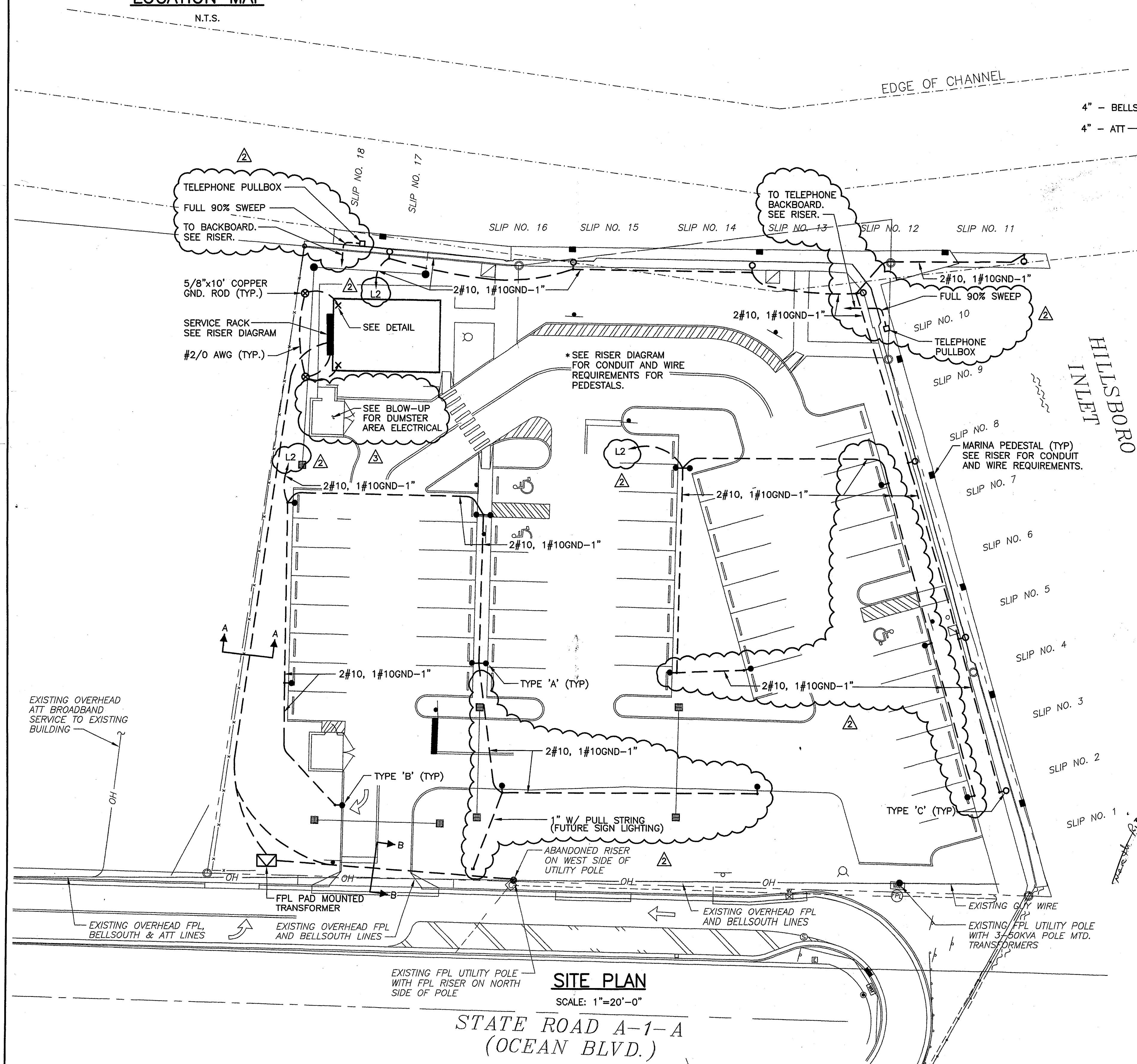


LOCATION MAP

N.T.S.

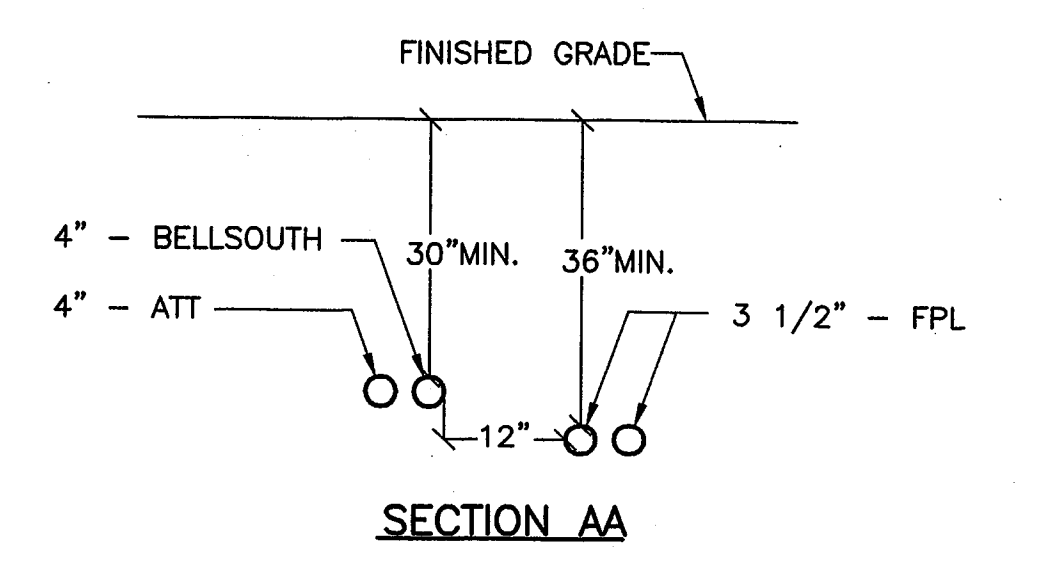
INTRACOASTAL WATERWAY



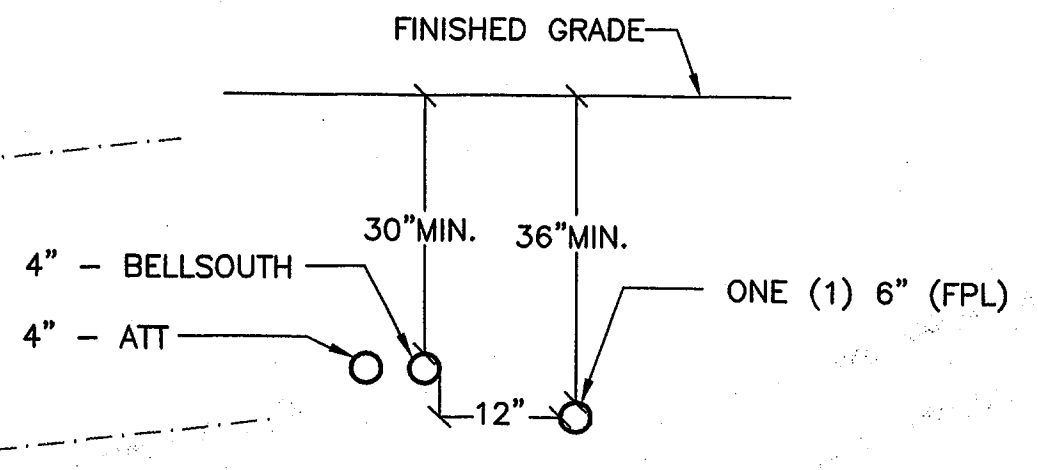
SITE PLAN

SCALE: 1"=20'-0"

STATE ROAD A-1-A
(OCEAN BLVD.)



SECTION AA



SECTION BB

LEGEND

SYMBOLS

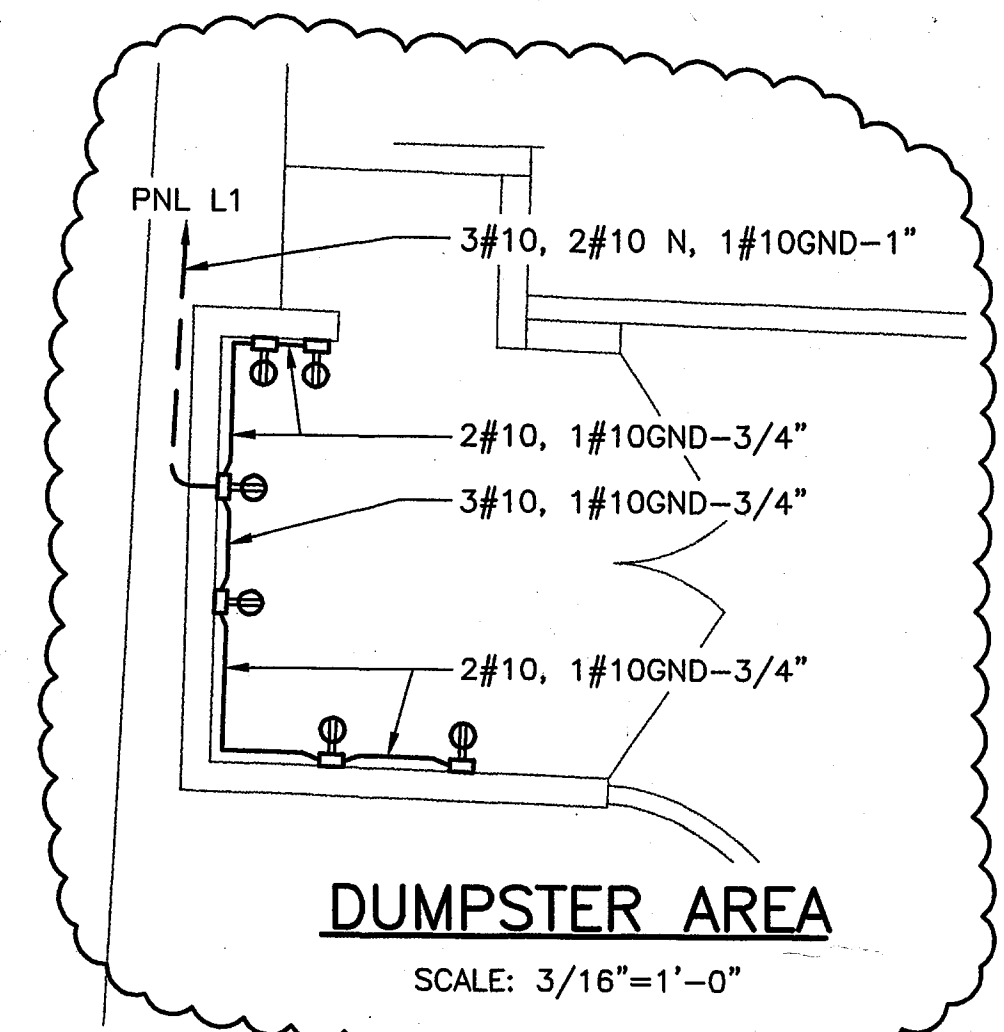
- CONDUIT RUN EXPOSED. RUN PARALLEL OR PERPENDICULAR TO STRUCTURE OR WALL.
- CONDUIT CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
- ||| HOME RUN TO PANELBOARD. NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS. HASH MARKS INDICATE NUMBER OF #12 AWG. CONDUCTORS. NO HASH MARKS INDICATE 2 #12 CONDUCTORS.
- MARINA PEDESTAL
- POLE MOUNTED FIXTURES, SEE DETAIL
- POLE MOUNTED FIXTURES, SEE DETAIL

ABBREVIATIONS

- A AMPERES
- AIC AMPS INTERRUPTING CURRENT
- ATS AUTOMATIC TRANSFER SWITCH
- BKR BREAKER
- BLDG. BUILDING
- FP&L FLORIDA POWER & LIGHT
- GND GROUND
- GRS GALVANIZED RIGID STEEL
- MB MAIN BREAKER
- TYP TYPICAL

NOTES

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED.
2. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC... THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL LOCAL RULES AND ORDINANCES.
4. MINIMUM WIRE SIZE SHALL BE #12 A.W.G., UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
5. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
6. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. OR LOCAL CODES.
7. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
8. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF FP&L.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUTSHEETS OF ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
10. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
11. *SLANTED TEXT* DENOTES EXISTING EQUIPMENT OR STRUCTURES. *NON-SLANTED TEXT* DENOTES NEW EQUIPMENT, STRUCTURES, AND WORK.
12. INSTALLATION SHALL BE IN ACCORDANCE WITH ARTICLE 555 OF THE 1999 NATIONAL ELECTRICAL CODE AND NFPA 03 1995 EDITION.
13. CONTRACTOR SHALL COORDINATE PERMANENT POWER WITH FPL SERVICE PLANNER, MR. GREG JONES @ (954) 956-2045
14. CONTRACTOR SHALL COORDINATE PERMANENT TELEPHONE SERVICE WITH BELLSOUTH SERVICE PLANNER, MR. BILL SERPI @ (954) 423-6222
15. CONTRACTOR SHALL COORDINATE PERMANENT CABLE SERVICE WITH ATT BROADBAND SERVICE PLANNER, MR. JOHN CASEY @ (954) 538-9378

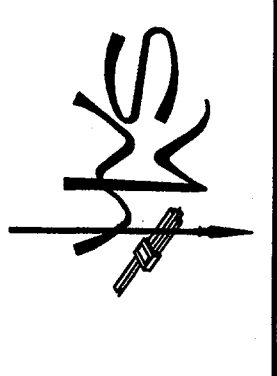


DUMPSTER AREA

SCALE: 3/16"=1'-0"

REVISION	DATE	BY	DESCRIPTION
7-01			CITY COMMENTS
6-02			OWNER REVISIONS
6-02			OWNER REVISIONS

WILLIAMS, HATFIELD & STONER, INC.
ENGINEERS • PLANNERS • SURVEYORS • ENVIRONMENTAL SCIENTISTS
2101 N. ANDREWS AVE., SUITE 300 - FT. LAUDERDALE, FL 33311
FORT LAUDERDALE • BOYNTON BEACH • PORT ST. LUCIE • MIAMI



HILLSBORO INLET IMPROVEMENT - SITE PLAN
PREPARED FOR:
CITY OF POMPANO BEACH
LOCATED IN:
POMPANO BEACH, BROWARD COUNTY, FLORIDA

DATE	BY	DESCRIPTION
12/1/00	TRH	TRH
	LWR	LWR
	LWR	LWR

PROJECT No. **4220.29**
SHEET No. **E-1**

EDA
Electrical Design Associates
2101 N. ANDREWS AVE., SUITE 100
FORT LAUDERDALE, FLORIDA 33311
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FAX: (954) 564-3040

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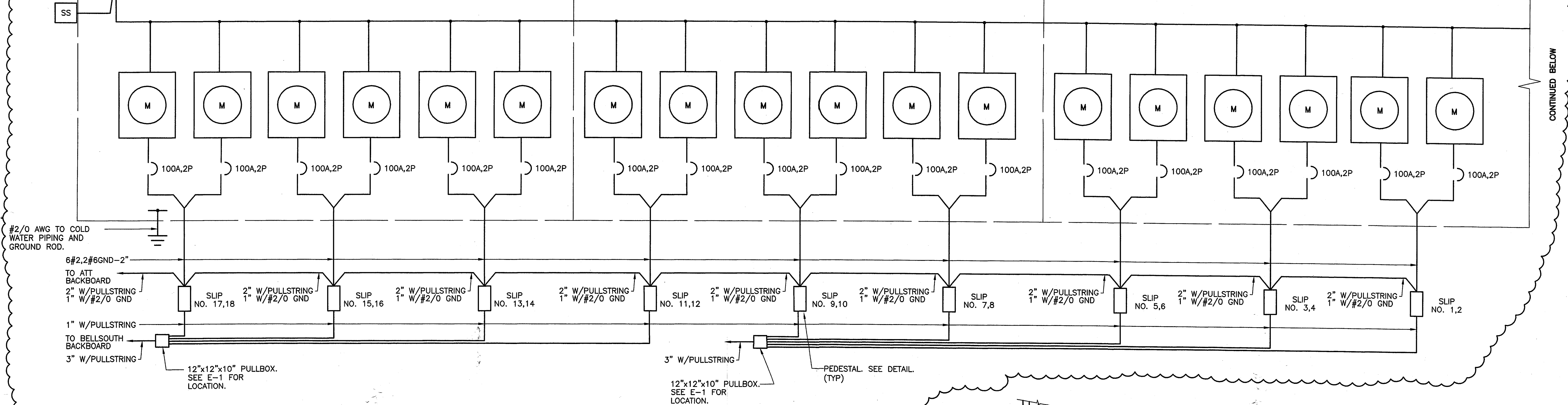
TO FPL PAD MOUNTED TRANSFORMER

THREE (3)-3 1/2" W/ 3-350MCM

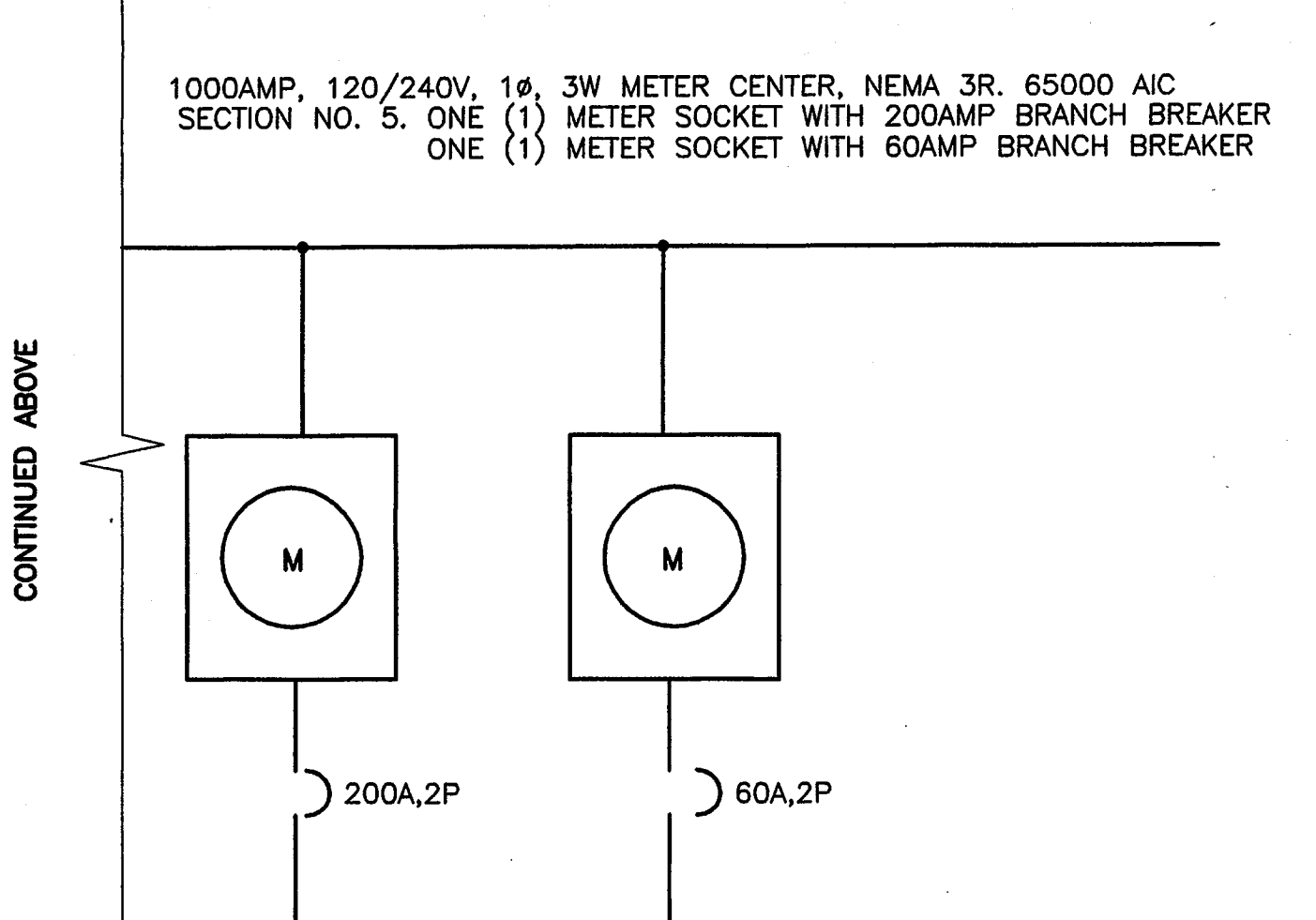
1000A,2P 1000AMP, 120/240V, 1Ø, 3W METER CENTER, NEMA 3R, 65000 AIC SECTION NO. 1. 800AMP "MH" TYPE MAIN BREAKER SECTION NO. 2. SIX (6) METER SOCKETS WITH 100AMP BRANCH BREAKERS

1000AMP, 120/240V, 1Ø, 3W METER CENTER, NEMA 3R, 65000 AIC SECTION NO. 3. SIX (6) METER SOCKETS WITH 100AMP BRANCH BREAKERS

1000AMP, 120/240V, 1Ø, 3W METER CENTER, NEMA 3R, 65000 AIC SECTION NO. 4. SIX (6) METER SOCKETS WITH 100AMP BRANCH BREAKERS



CONTINUED BELOW



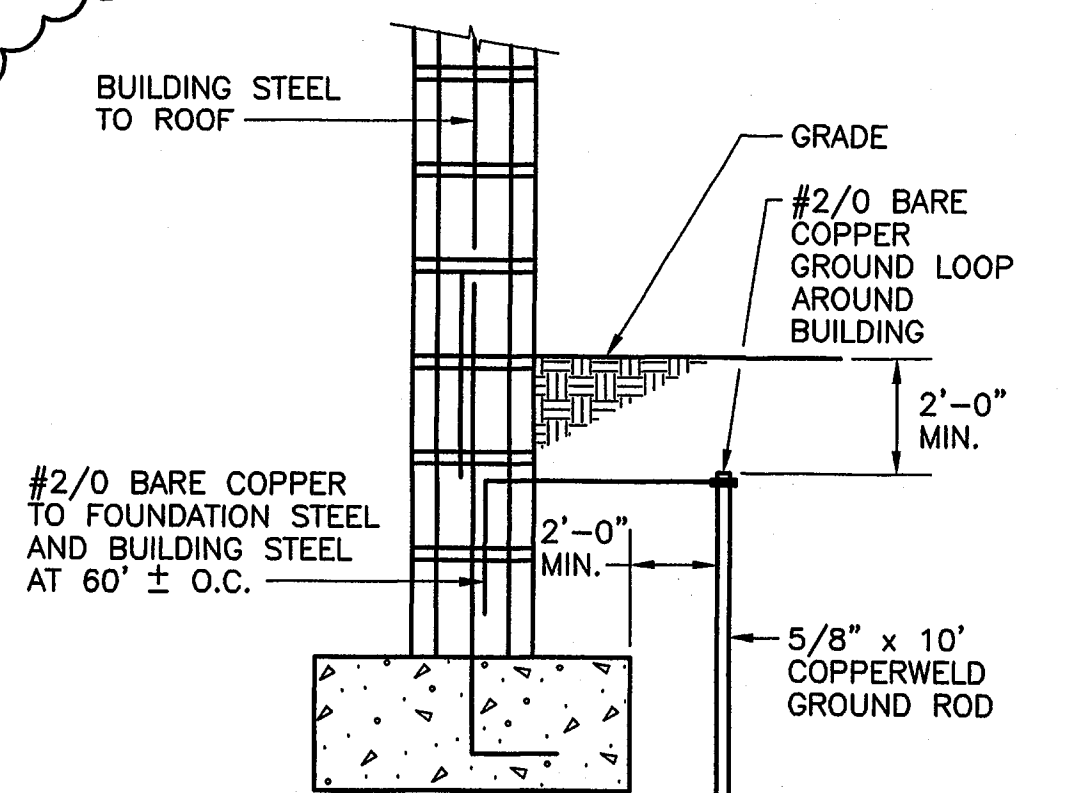
CONTINUED ABOVE

NOTES

- BENDS IN THE ATT BROADBAND CONDUIT NOT TO EXCEED 45 DEGREES.
- CONTRACTOR TO COORDINATE WITH THE UTILITIES, ALL CONDUIT INSTALLATION TO BE APPROVED BY EACH OF THE RESPECTIVE UTILITIES.
- THE METER CENTER SHALL BE THE "EZ METER-PAK" AS MANUFACTURED BY SQUARE D OR APPROVED EQUAL.
- THE SURGE SUPPRESSOR, APT TE/12XT OR EQUAL, TO BE REUSED.
- CONTRACTOR TO DISCONNECT AND REMOVE THE PREVIOUSLY INSTALLED 800 AMP DISTRIBUTION BOARD, THE CT CABINET AND ASSOCIATED METER CAN. ALL EQUIPMENT TO BE RETURNED TO THE OWNER.
- LIGHTING CONTACTOR AND TO BE REINSTALLED WITHIN THE ELECTRICAL ROOM.
- PANEL L2 TO BE INSTALLED WITHIN THE ELECTRICAL ROOM.
- METER CENTER SECTIONS TO BE INSTALLED ALONG THE SOUTH WALL OF THE BUILDING, EAST OF THE DOOR.
- TELEPHONE PULLBOXES TO BE INSTALLED IN LINE WITH CONDUIT RUN, NOT TO BE INSTALLED AS AN ANGLE PULL.

RISER DIAGRAM

N.T.S.

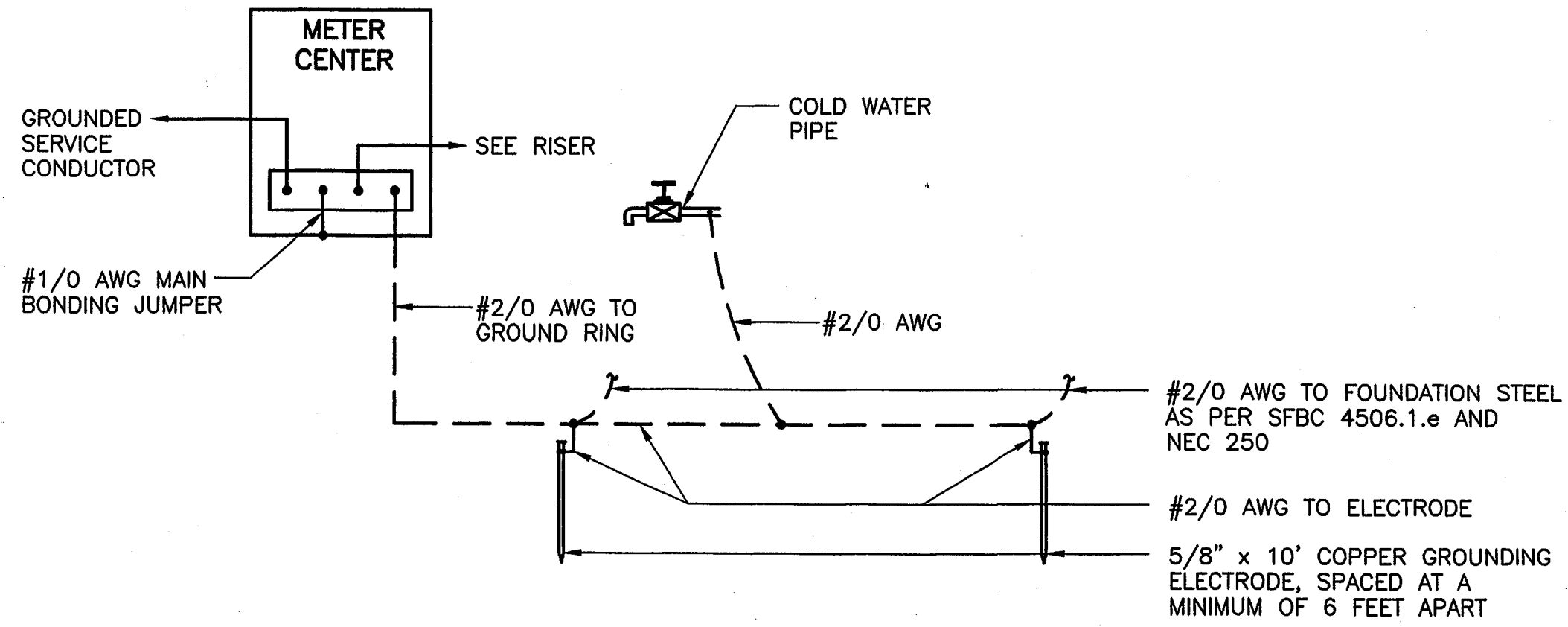
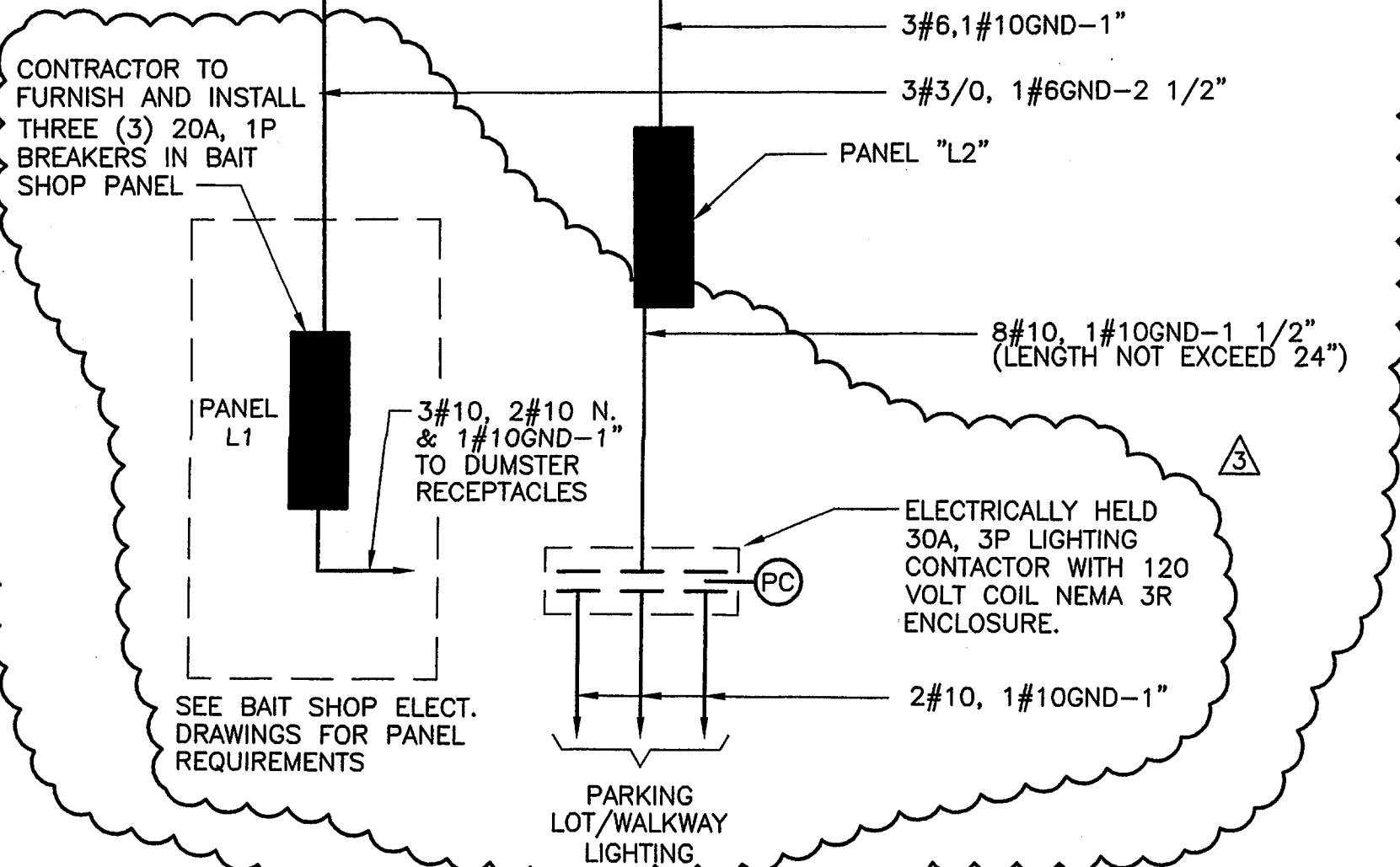


BUILDING STRUCTURE BONDING

N.T.S.

LOAD TABULATION

PEDESTALS	LOAD
18 RECEPTACLES x 50 AMPS x 240 VOLTS	= 216,000 VA
18 RECEPTACLES x 30 AMPS x 120 VOLTS	= NON CONCURRENT
18 RECEPTACLES x 20 AMPS x 120 VOLTS	= 43,200 VA
SUBTOTAL = 259,200	
RECEPTACLE DEMAND	x 0.60
SUBTOTAL = 155,520 VA	
SITE LIGHTING	
24 FIXTURES x 100 WATTS ÷ (0.9) x (1.25%)	= 3,333 VA
RESTROOM FACILITY	= 12,000 VA
SUBTOTAL = 15,333 VA	
TOTAL = 170,853 VA	
I = $\frac{170,853 \text{ VA}}{240 \text{ V}}$ = 711.89 AMPS	



SERVICE POINT GROUNDING RISER DIAGRAM

N.T.S.

PANEL: L2 BUS: 60A MCB VOLTAGE: 120/240V, 1Ø 3W

MOUNTING: SURFACE POLES: 24

LOCATION: ELECTRICAL ROOM REMARKS: 10000 ATC

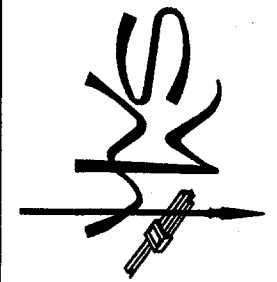
CIR. NO.	DESCRIPTION	TRIP	POLES	WIRE	CONDUIT	LOAD (KVA)
1,3	SURGE SUPPRESSOR	15	2	2#10, 1#10 GND	-	0.36
2	LIGHTING CONTACTOR COIL	20	1	2#12, 1#12 GND	1"	0.18
4.6	SITE LIGHTING	20	1	SEE SITE PLAN	-	1.8
8	WALKWAY LIGHTING	20	1	SEE SITE PLAN	-	0.89
5,7,9	SPARE	20	1	-	-	-
10-24	SPACE	-	-	-	-	-
TOTAL LOAD						3.23
(AMPS)						13.46

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HILLSBORO INLET IMPROVEMENT - RISER DIAGRAM
PREPARED FOR:
CITY OF POMPANO BEACH
LOCATED IN:
POMPANO BEACH, BROWARD COUNTY, FLORIDA

DATE: 12/1/00
DRAWN: TRH
CHECKED: LMR
DATE: 11/26/00
SCALE: AS SHOWN
SHEET No. 4220.29
PROJECT No. 4220.29
SHEET No. E-2

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