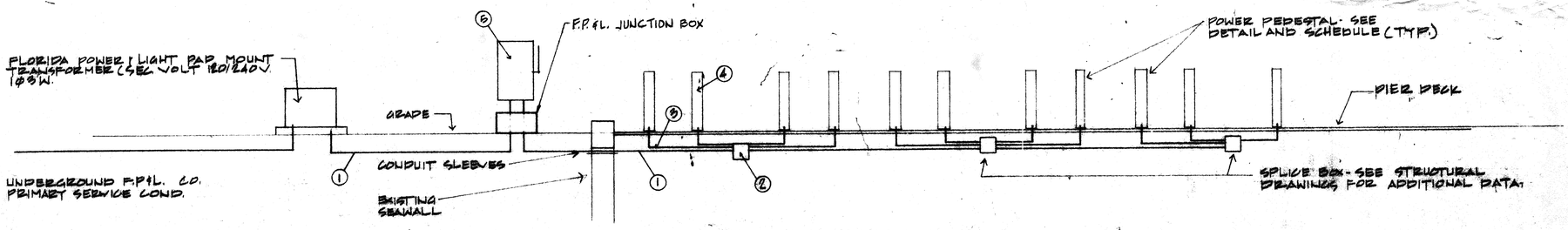


TYPICAL PIER ELECTRICAL RISER

n.t.s.

PIER SCHEDULE

LOCATION PIER NO.	ELECTRICAL SERVICE - FULLY MAGNETIC TYPE CIRCUIT BREAKER 120/240 VOLT 3 WIRE IN NEMA 4X ENCLOSURE (5) *	SERVICE FEEDERS CONDUIT (1)	SERVICE FEEDERS CONDUCTORS EACH CONDUIT (1)	FUSE CLASS (4)	SERVICE ENTRANCE (TAP 4) (MAXIMUM 25.0 LP) CONDUIT (3)	SERVICE ENTRANCE (TAP 4) (MAXIMUM 25.0 LP) CONDUCTORS (2)
P-1	1-2 POLE 400 AMP/400 AMP TRIP	1-4" C 1-4" C	3# 250 MCM, 1# 2G SPARE	18-C	1" C	2# 10, 1# 10G
P-2	1-2 POLE 800 AMP/800 AMP TRIP 1-2 POLE 800 AMP/800 AMP TRIP	2-4" C 2-4" C	3# 500 MCM, 1# 1/0G 3# 500 MCM, 1# 1/0G	18-F	1 1/4" C	2# 3, 1# 8G
P-3	1-2 POLE 600 AMP/600 AMP TRIP	2-4" C	3# 500 MCM, 1# 1/0G	22-D 1-F	1" C 1 1/4" C	2# 8, 1# 8G 2# 3, 1# 8G
P-4	1-2 POLE 800 AMP/700 AMP TRIP 1-2 POLE 800 AMP/700 AMP TRIP	2-4" C 2-4" C	3# 500 MCM, 1# 1/0G 3# 500 MCM, 1# 1/0G	18-E 1-F	1 1/4" C 1 1/4" C	2# 8, 1# 8G 2# 8 1# 8G
P-5	1-2 POLE 600 AMP/600 AMP TRIP	2-4" C	3# 500 MCM, 1# 1/0G	22-D 1-E	1" C 1 1/4" C	2# 8, 1# 8G 2# 8, 1# 8G
P-6	1-2 POLE 600 AMP/500 AMP TRIP 1-2 POLE 600 AMP/500 AMP TRIP	2-4" C 2-4" C	3# 250 MCM, 1# 2G 3# 250 MCM 1# 2G	14-E	1 1/4" C	2# 8, 1# 8G
P-7	1-2 POLE 400 AMP/250 AMP TRIP	1-4" C 1-4" C	3# 250 MCM, 1# 2G SPARE	18-C	1" C	2# 10, 1# 10G
P-8	1-2 POLE 400 AMP/250 AMP TRIP	1-4" C 1-4" C	3# 250 MCM, 1# 2G SPARE	18-C	1" C	2# 10, 1# 10G
P-9	1-2 POLE 400 AMP/400 AMP TRIP	1-4" C 1-4" C	3# 500 MCM, 1# 1/0G SPARE	16-D	1" C	2# 8, 1# 8G
P-10	1-2 POLE 400 AMP/400 AMP TRIP	1-4" C 1-4" C	3# 500 MCM, 1# 1/0G SPARE	10-D	1" C	2# 8, 1# 8G
P-11	(SEE P-10)	1-4" C 1-4" C	3# 500 MCM, 1# 1/0G SPARE	6-D	1" C	2# 8, 1# 8G
P-12	1-2 POLE 600/600 AMP TRIP 1-2 POLE 600/600 AMP TRIP	2-4" C 2-4" C	3# 350 MCM, 1# 1/0G 3# 350 MCM, 1# 1/0G	16-E	1 1/4" C	2# 8, 1# 8G
P-13	1-2 POLE 400/250 AMP TRIP	1-4" C 1-4" C	3# 250 MCM, 1# 2G SPARE	17-C	1" C	2# 10, 1# 10G
P-14	1-2 POLE 400/300 AMP TRIP	1-4" C 1-4" C	3# 350 MCM, 1# 2G SPARE	12-C 1-F	1" C 1 1/4" C	2# 10, 1# 10G 2# 8, 1# 8G
P-15	1-2 POLE 400/300 AMP TRIP	1-4" C 1-4" C	3# 300 MCM, 1# 2G SPARE	12-C 1-F	1" C 1 1/4" C	2# 10, 1# 8G 2# 10, 1# 8G
P-16	1-2 POLE 400/300 AMP TRIP	1-4" C 1-4" C	3# 350 MCM, 1# 2G SPARE	12-C 1-F	1" C 1 1/4" C	2# 10, 1# 10G 2# 8, 1# 10G
P-17	1-2 POLE 400/300 AMP TRIP	1-4" C 1-4" C	3# 500 MCM, 1# 1/0G SPARE	10-D	1" C	2# 8, 1# 8G
P-18	1-2 POLE 400/300 AMP TRIP	1-4" C 1-4" C	3# 500 MCM, 1# 1/0G SPARE	14-D 1-F	1" C 1 1/4" C	2# 8, 1# 8G 2# 8, 1# 8G

ALL ELECTRICAL WORK AND MATERIAL SHALL COMPLY WITH THE NATIONAL FIRE CODE SECTION. 303

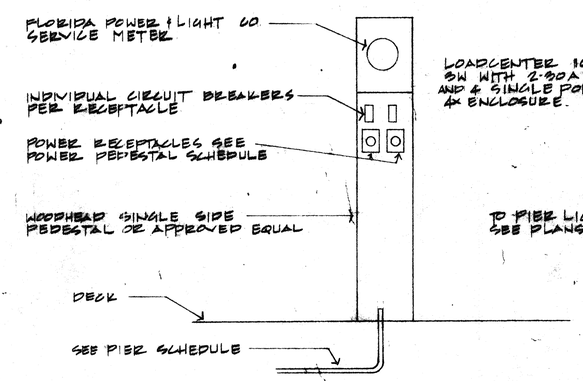
* MAGNETIC TYPE CIRCUIT BREAKERS SHALL BE SQUARE "D" SOLID STATE TRIP CIRCUIT BREAKERS TYPE "PE" SIZE AS INDICATED IN ABOVE SCHEDULE.

POWER PEDESTAL SCHEDULE

CLASS	BOAT LENGTH	PEDESTAL ELECTRICAL PROVIDED - RECEPTACLES.
C	28-32 FEET	ONE 110 VOLT 50 AMPERE OUTLET WOODHEAD 4847 OR OR EQUAL
D	32-40 FEET	ONE 110 VOLT 50 AMPERE OUTLET WOODHEAD 1460 OR OR EQUAL.
E	40-60 FEET	ONE 220 VOLT 50 AMPERE OUTLET WOODHEAD 1460 OR OR EQUAL. ONE 110 VOLT 50 AMPERE OUTLET WOODHEAD 1460 OR EQUAL.
F	60 - - - FEET	TWO 220 VOLT 50 AMPERE OUTLETS WOODHEAD 1460 OR OR EQUAL.

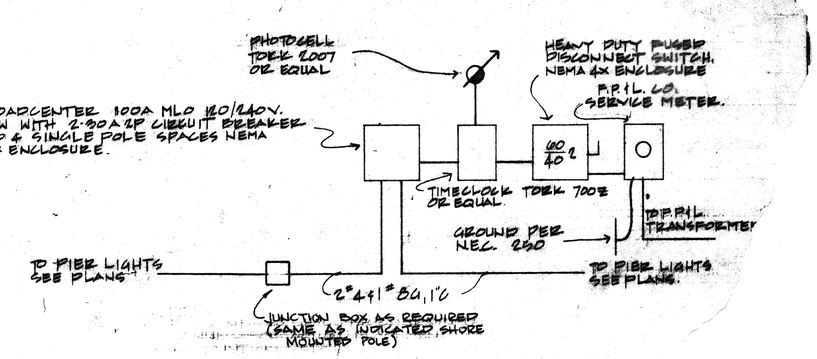
GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL FIRE C THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES AND ORDI
2. THE CONTRACTOR SHALL REFER TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL DATA OF THE SLEEVES PROVIDED AND THE REQUIRED COORDINATION WITH ALL TRADES.
3. ALL CONDUCTOR METAL SHALL BE COPPER-WIRE 600 VOLT INSULATION TYP. THW/THWN.
4. THE CONTRACTOR SHALL THOROUGHLY COORDINATE WITH THE LOCAL UTILITY COMPANIES FOR PROVISIONS OF ELECTRICAL AND TELEPHONE SERVICES.
5. THE STRUCTURAL DRAWINGS ARE ELECTRICAL DRAWINGS INDICATE THE DESIRED POINT AND LOCATION FOR DESIRED OUTLETS AND OTHER LOCATIONS. THE CONTRACTOR SHALL EXTEND THE PROPERLY SIZED CONDUITS AND CABLES FROM THE POINT OF UTILITY SERVICE TERMINATION TO THE POINT OF THE ACTUAL OUTLET.
6. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND EACH UTILITY COMPANY TO OBTAIN THE REQUIRED UTILITY PAPERWORK AND NOTICE.
7. ALL ELECTRICAL EQUIPMENT, SUCH AS FUSED DISCONNECT SWITCH, TRANSFORMERS, ETC., SHALL BE VERIFIED BY THE CONTRACTOR OF A REPUTABLE TESTING BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ACTUAL SIZING AND LOCATION.
8. ALL CABLE SIZES SHALL BE MADE FOR MAXIMUM CABLE SIZES AS DETERMINED BY THE MANUFACTURER.
9. ALL CONDUITS SHALL BE REMOVED WITH THE PLASTIC PULL & LEAVE CONDUIT WITH THREAD THE OWNER OF THE PULL TIME.
10. PROVIDE A PROPERLY SIZED GROUND CONDUCTOR IN ALL CONDUITS. ALL GROUND CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
11. ALL CONDUITS SHALL BE MIN. CONDUIT 3/4. EXCEPT WHERE NOTED OTHERWISE, AND SHALL BE A MINIMUM OF 3/4 INCH IN DIAMETER. ALL CONDUITS SHALL BE SUPPORTED CONSTANT, THE CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
12. ALL CONDUITS SHALL BE MIN. CONDUIT 3/4. EXCEPT WHERE NOTED OTHERWISE, AND SHALL BE A MINIMUM OF 3/4 INCH IN DIAMETER. ALL CONDUITS SHALL BE SUPPORTED CONSTANT, THE CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
13. ALL CONDUITS SHALL BE MIN. CONDUIT 3/4. EXCEPT WHERE NOTED OTHERWISE, AND SHALL BE A MINIMUM OF 3/4 INCH IN DIAMETER. ALL CONDUITS SHALL BE SUPPORTED CONSTANT, THE CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.



POWER PEDESTAL

n.t.s.

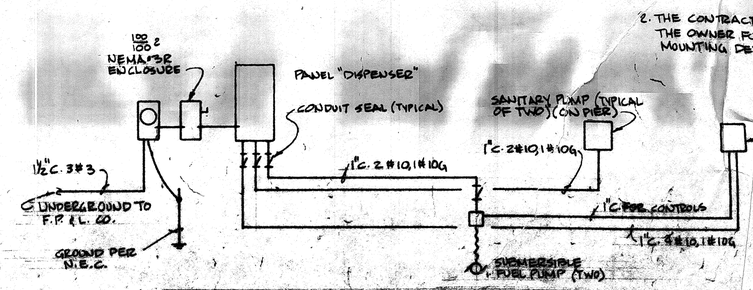


TYPICAL ELECTRICAL RISER (PIER LIGHTING)

n.t.s.

NOTES

1. TIME SWITCH, PHOTOCONTROL TO CONTROL CENTER WITH PHOTOCONTROL "ON" AND PRE-TIME "OFF".
2. THE CONTRACTOR SHALL CO-ORDINATE WITH THE OWNER FOR ACTUAL PLACEMENT AND MOUNTING DETAIL OF EQUIPMENT.



FUEL & SANITARY SYSTEM RISER DIAGRAM