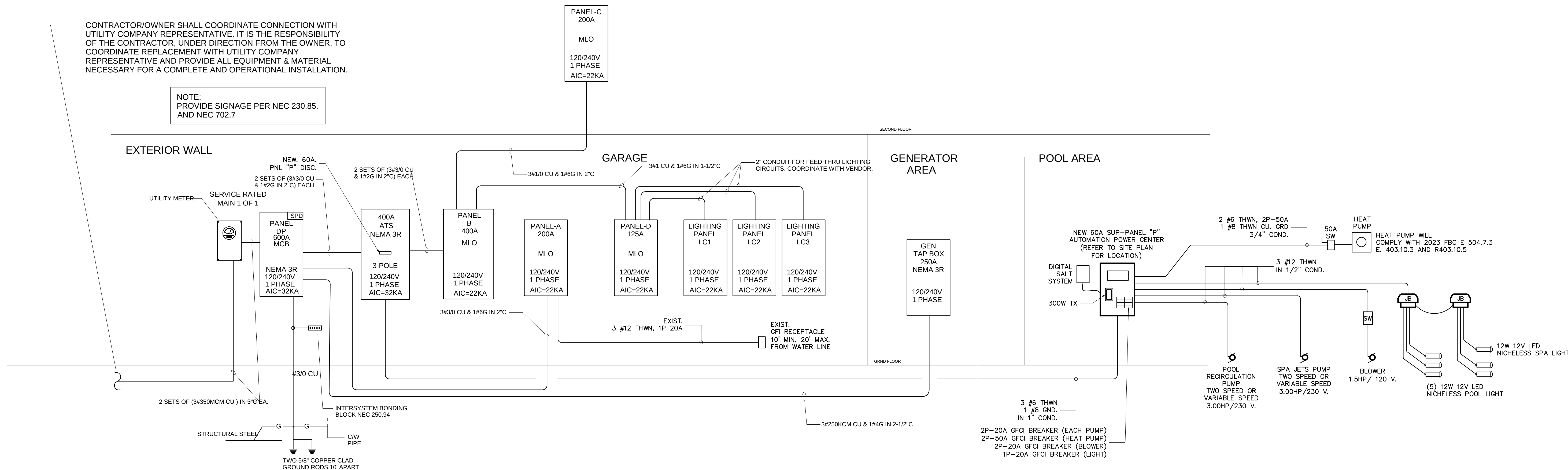
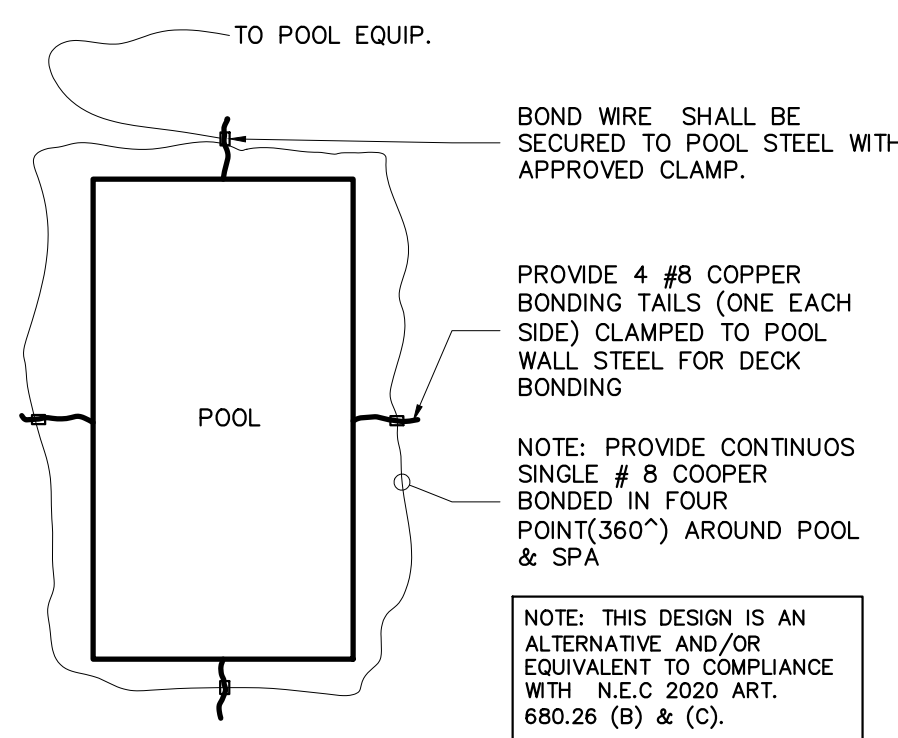


NOTE:
PROVIDE SIGNAGE PER NEC 230.85.
AND NEC 702.7

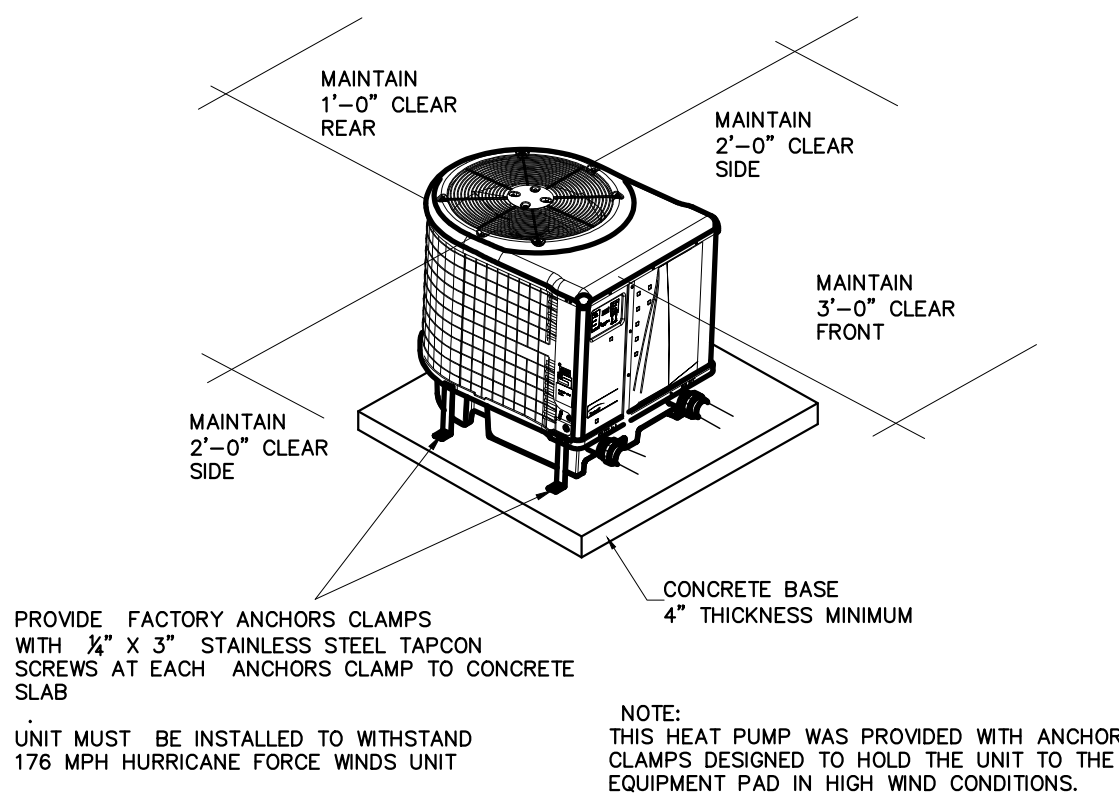


POOL PUMP WILL COMPLY WITH
FBC 2023. E.403.10.
N.E.C. 2020 430.32

ELECTRICAL RISER DIAGRAM UNDER MASTER PERMIT



POOL BOND SCHEMATIC
NO SCALE

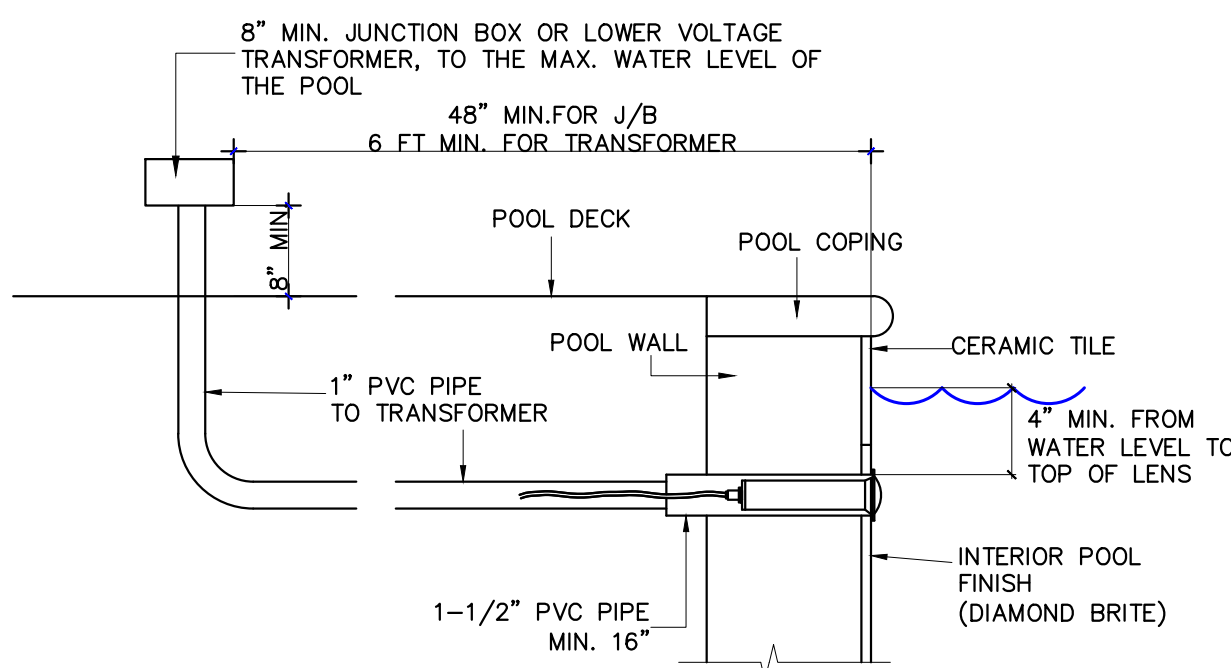


HEAT PUMP MOUNTING DETAIL

DIRECTIONS FOR USE:

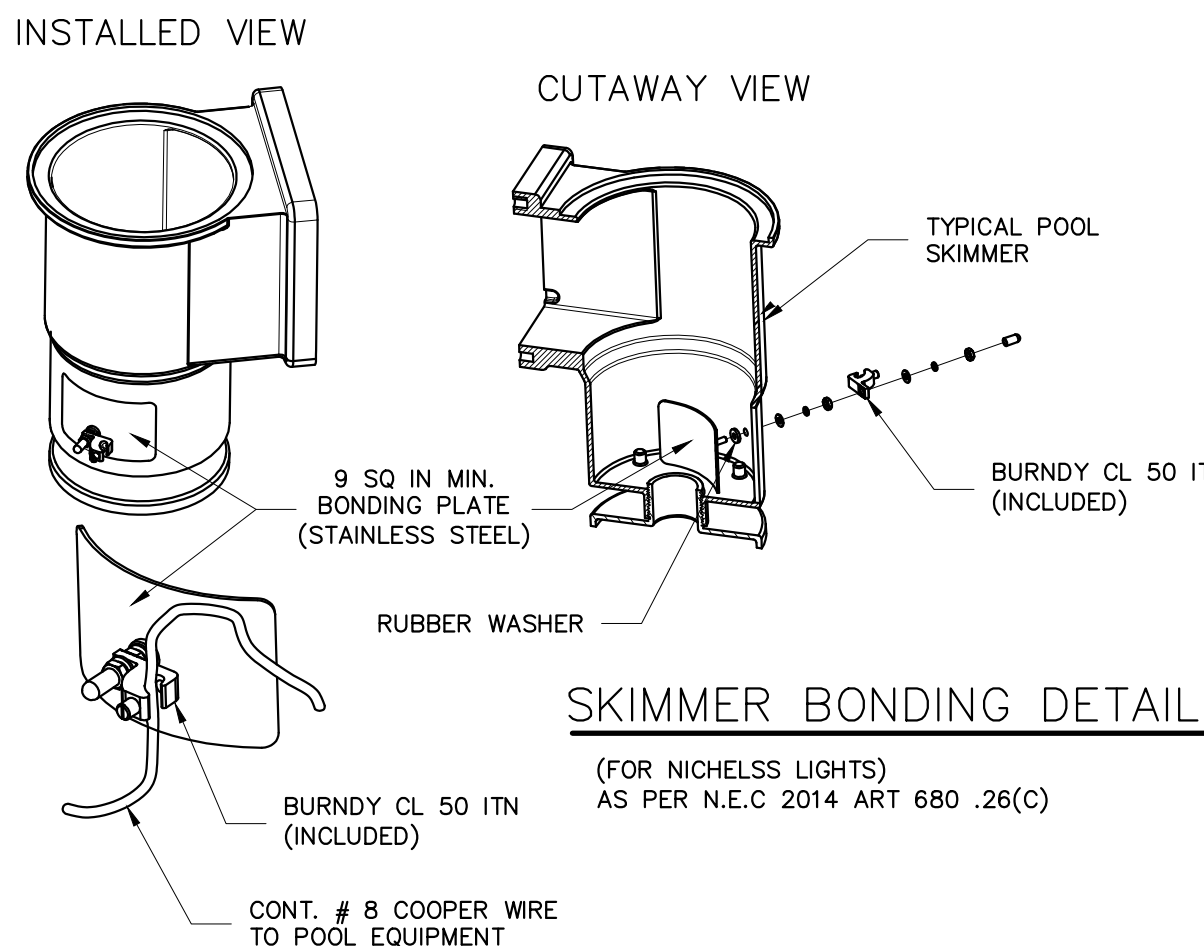
SHAKE BOTTLE BEFORE USING
WITH PUMP RUNNING, ADD 8 OZ. PER 500 SQ FT OF SURFACE
AREA OR 15,000 GAL OF WATER
FOR BEST DISPERSION, ADD SOLAR SHIELD IN FRONT OF POC
RETURN LINE OR TO SKIMMER
RUN THE PUMP DAILY FOR PROPER CIRCULATION

ELECTRIC LOAD CALCULATION		
TOTAL SERVICE 400A		
HOUSE		
GRL LIGHTING (*3 WATT/SQ.FT.)	AREA 11,455 SQ FT	34,365 W
SMALL APPLIANCE		3,000 W
LAUNDRY		1,500 W
DRYER		6,000 W
RANGE		8,500 W
WATER HEATER		7,200 W
MICROWAVE		1,200 W
SUBTOTAL HOUSE DEMANDED WATTAGE		61,765 W
FIRST 10 KW. @ 100%		10,000.0 W
REMAINDER @ 40%		20,706 W
A/C @ 100%		8,500 W
OTHER		0 W
OTHER		0 W
TOTAL HOUSE DEMANDED WATTAGE		39,206 W
TOTAL HOUSE DEMANDED AMP		163.4 A
NEW POOL EQUIPMENTS		
3.00HP POOL RECIRCULATION PUMP		3,000 W
1.5HP BLOWER		1,000 W
POOL LIGHT		72 W
HEAT PUMP		5,500 W
3.00HP SPA JETS PUMP		3,000 W
TOTAL POOL DEMANDED WATTAGE @ 100%		12,572 W
TOTAL POOL DEMANDED AMP @ 100%		52.4 A
FINAL TOTAL HOUSE DEMANDED 215.74 A		



NICHELESS LIGHT DETAIL

NO SCALE



SKIMMER BONDING DETAIL

ELECTRICAL PANEL 'P'														
TYPE INTERMATIC SERIES								ENCLOSURE NEMA 3R						
SERVICE 400								LOCATION SEE PLAN						
VOLTAGE 1Ø, 120/240								RATING 60 A						
MAINS MAIN LUG								AC 1Ø K						
AMPS	POLES	V.A	COND. SIZE	WIRE. SIZE	DESCRIPTION	CKT NO.		CKT NO.	DESCRIPTION	WIRE. SIZE	COND. SIZE	V.A	POLES	AMPS
20	2	3,000	1/2"	12	3.00HP PUMP	1		2	HEAT PUMP	6	3/4"	5,500	2	50
						3		4						
20	2	3,000	1/2"	12	3.00HP PUMP	5		6	POOL LIGHTS	12	1/2"	72	1	20
						7		8	BLOWER	12	1/2"	1,000	1	20
TOTAL V.A		6,000							TOTAL V.A		6,572			
TOTAL LOAD @ 100%			12,572 W		52.38 AMP									

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ANY ELECTRONIC COPIES.