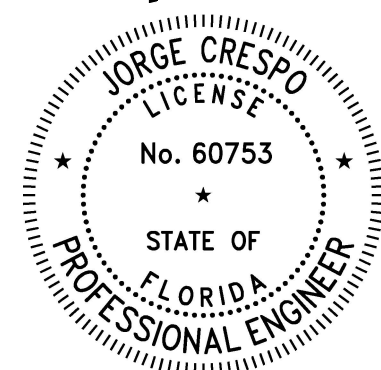


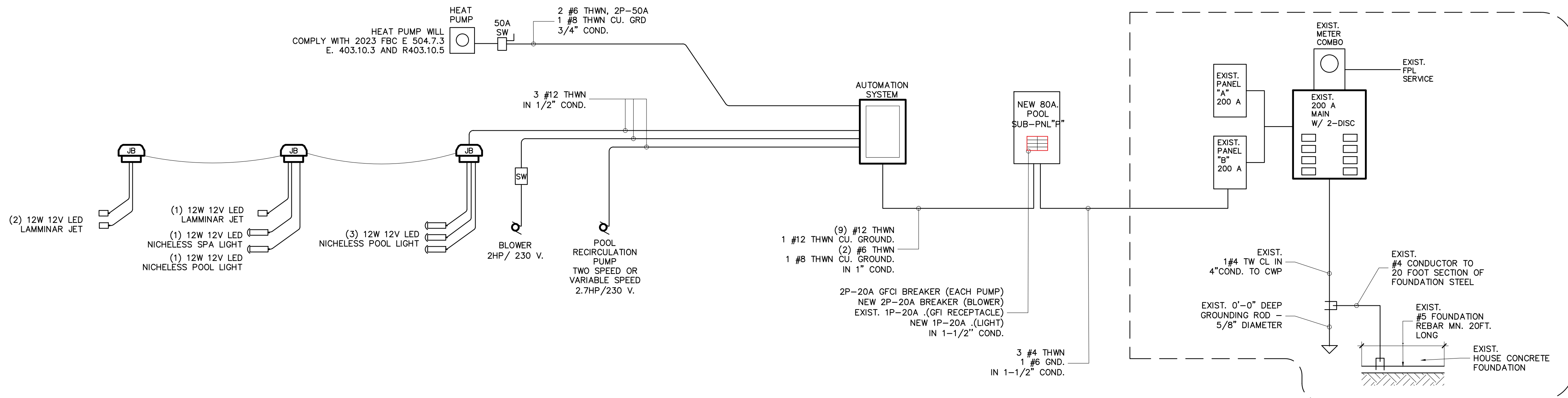
JORGE CRESPO, P.E.
LICENSE# 60753
10441 SW 46TH ST
MIAMI, FL 33165
786-325-3996

REVISIONS

NO.	DATE

SHEET:
E-01Jorge A Crespo
Digitally signed
by Jorge A Crespo
Date: 2026.06.29
17:26:14 -04'00'THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED
BY JORGE CRESPO ON THE DATE ADJACENT TO
THE SEAL USING A AUTHENTICATION CODE.PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE
AUTHENTICATION CODE MUST BE VERIFIED ON
ANY ELECTRONIC COPIES.

EXISTING ELECTRICAL RISER



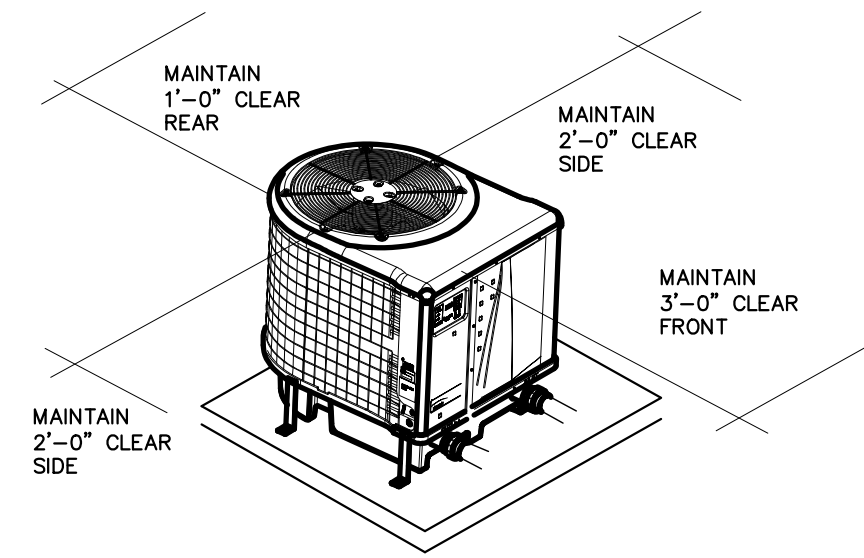
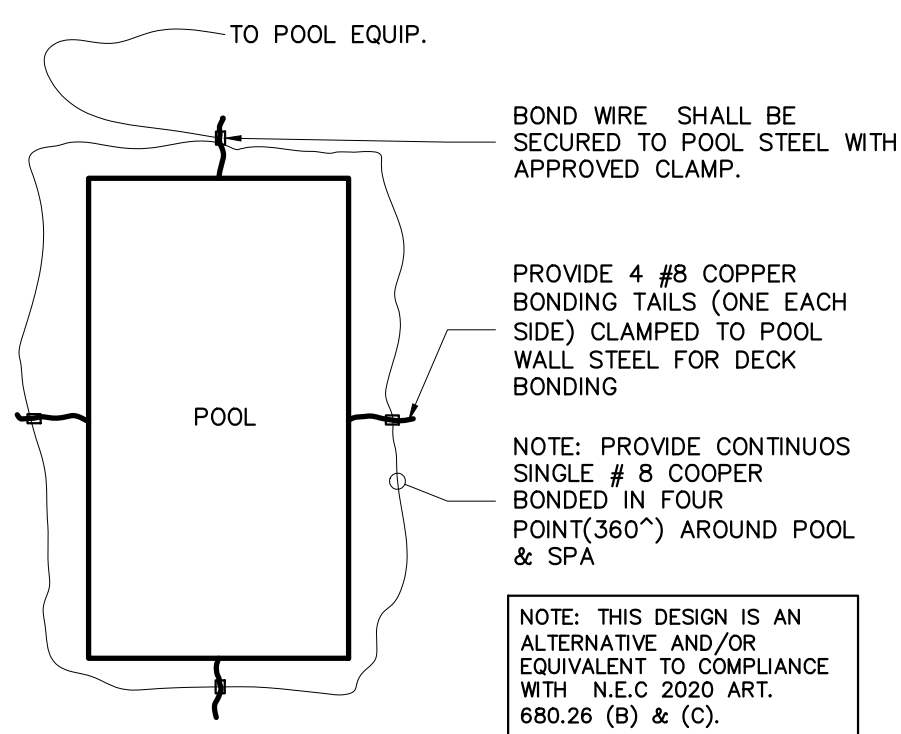
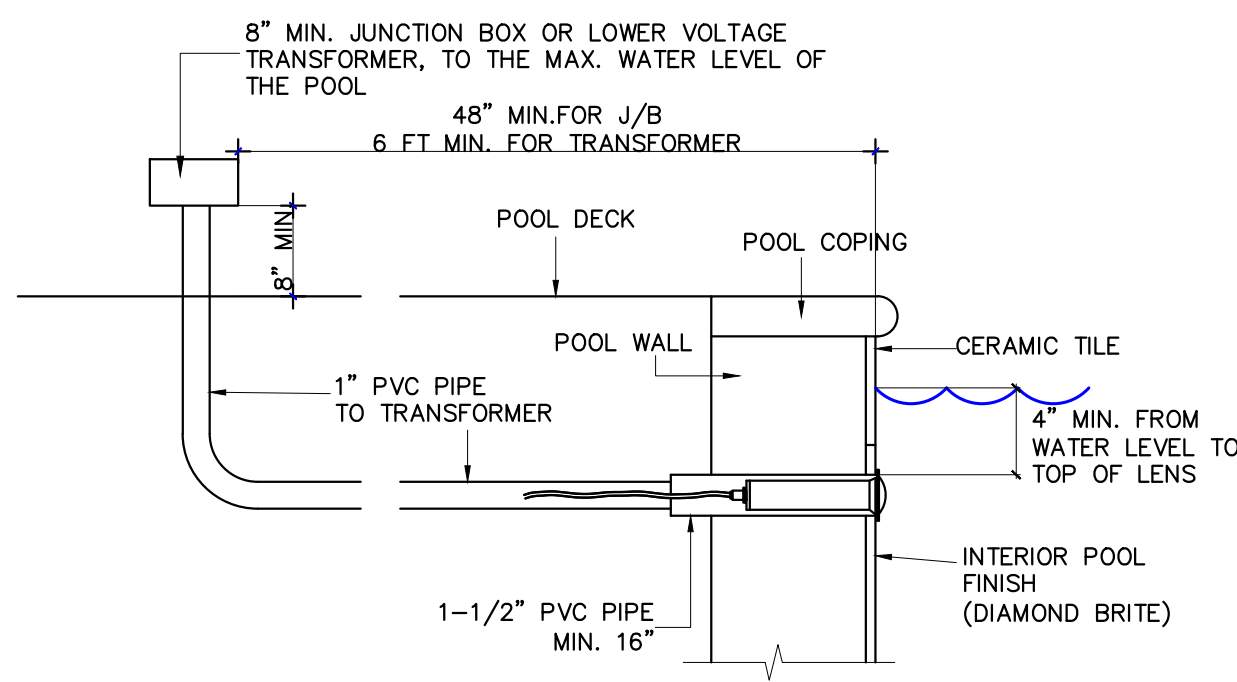
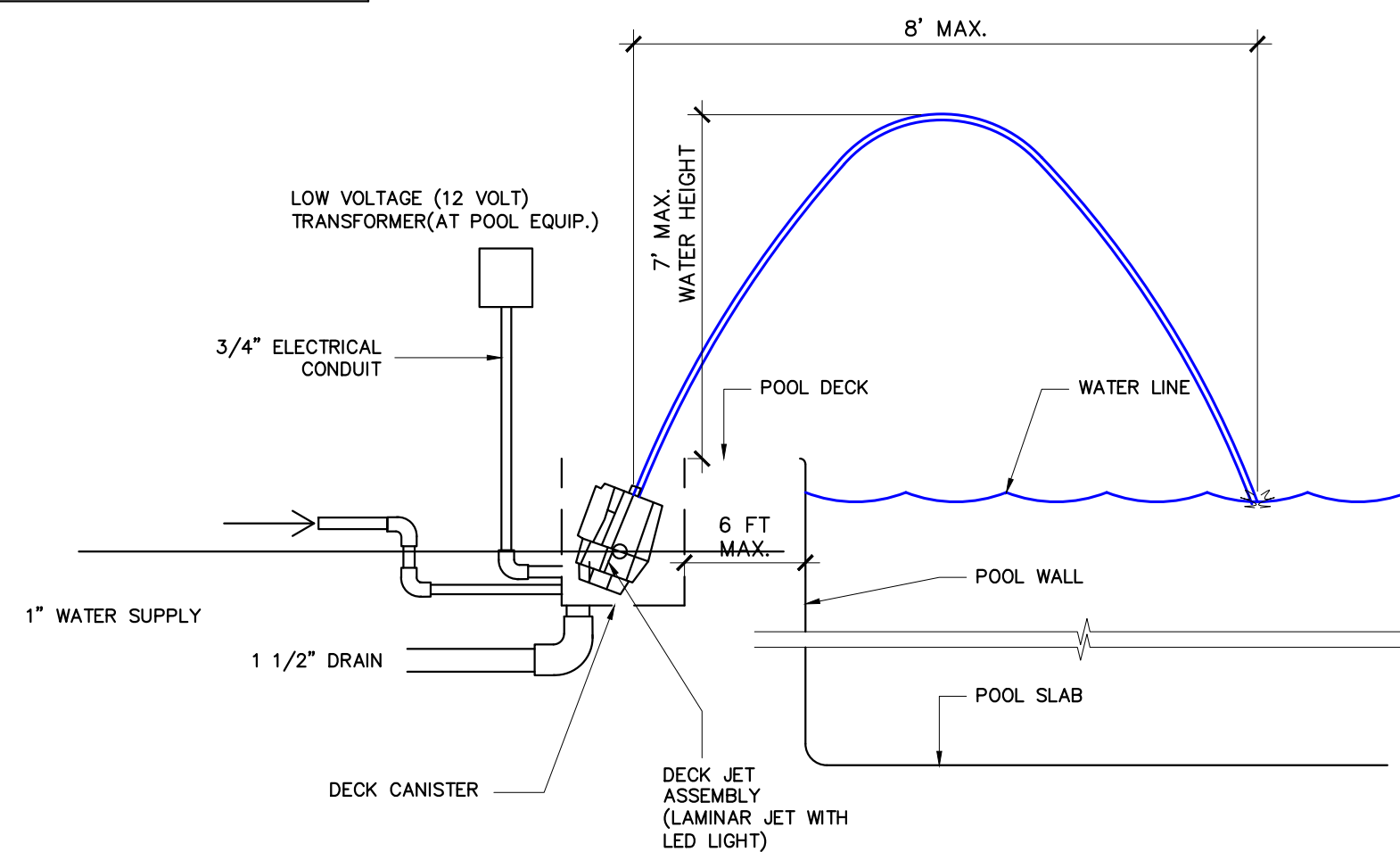
ELECTRICAL SUB- PANEL 'P'

TYPE AUTOMATION CENTER										ENCLOSURE NEMA 3R									
SERVICE 200 A										LOCATION SEE PLAN									
VOLTAGE 1Ø, 120/240										RATING 80A									
MAINS MAIN LUG										AC 10 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	2.7HP PUMP	1	2	HEAT PUMP	6	3/4"	5,500	2	50						
20	2	2,000	1/2"	12	1.85HP PUMP	5	4	POOL LIGHTS	12	1/2"	86	1	20						
20	2	1,000	1/2"	12	2HP BLOWER	9	8												
TOTAL V.A 6,000						11	10				0								
TOTAL LOAD @ 100%							12				5,586								

ELECTRIC LOAD CALCULATION

TOTAL SERVICE 200A

HOUSE		
GRL LIGHTING (*3 WATT/SQ.FT.)	AREA 6,162 SQ FT	18,486 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		45,886 W
FIRST 10 KW. @ 100%		10,000.0 W
REMAINDER @ 40%		14,354 W
A/C @ 100%		8,500 W
OTHER		0 W
OTHER		0 W
TOTAL HOUSE DEMANDED WATTAGE		32,854 W
TOTAL HOUSE DEMANDED AMP		136.9 A
NEW POOL EQUIPMENTS		
2.7HP POOL PUMP		3,000 W
POOL LIGHT		86 W
HEAT PUMP		5,500 W
2HP BLOWER		1,000 W
1.85HP POOL PUMP		3,000 W
TOTAL POOL DEMANDED WATTAGE @ 100%		12,586 W
TOTAL POOL DEMANDED AMP @ 100%		52.4 A
FINAL TOTAL HOUSE DEMANDED		189.34 A

PROVIDE FACTORY ANCHORS CLAMPS
WITH 1/2" X 3" STAINLESS STEEL TAPCON
SCREWS AT EACH ANCHORS CLAMP TO CONCRETE
SLABUNIT MUST BE INSTALLED TO WITHSTAND
176 MPH HURRICANE FORCE WINDS UNITNOTE:
THIS HEAT PUMP WAS PROVIDED WITH ANCHOR
CLAMPS DESIGNED TO HOLD THE UNIT TO THE
EQUIPMENT PAD IN HIGH WIND CONDITIONS.HEAT PUMP
MOUNTING DETAILPOOL BOND SCHEMATIC
NO SCALENICHELESS LIGHT DETAIL
NO SCALEJANDY LAMINAR DECK JET DETAIL
NO SCALE