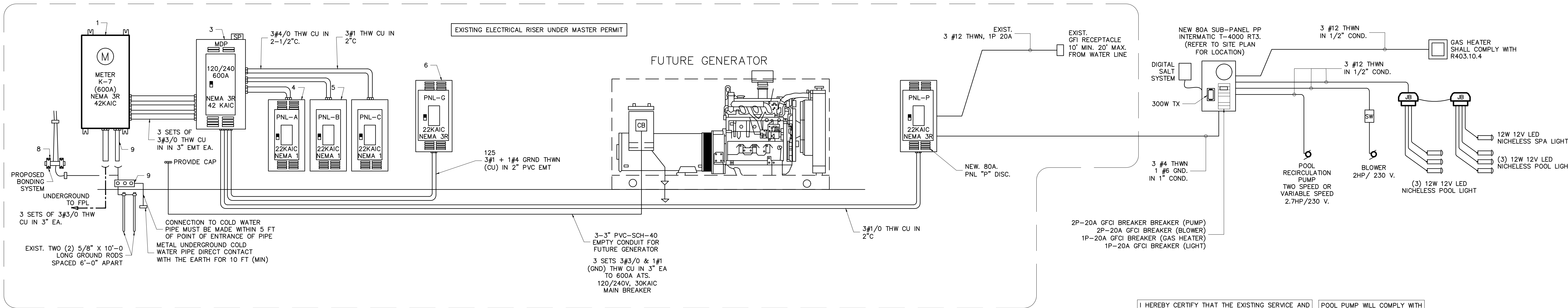


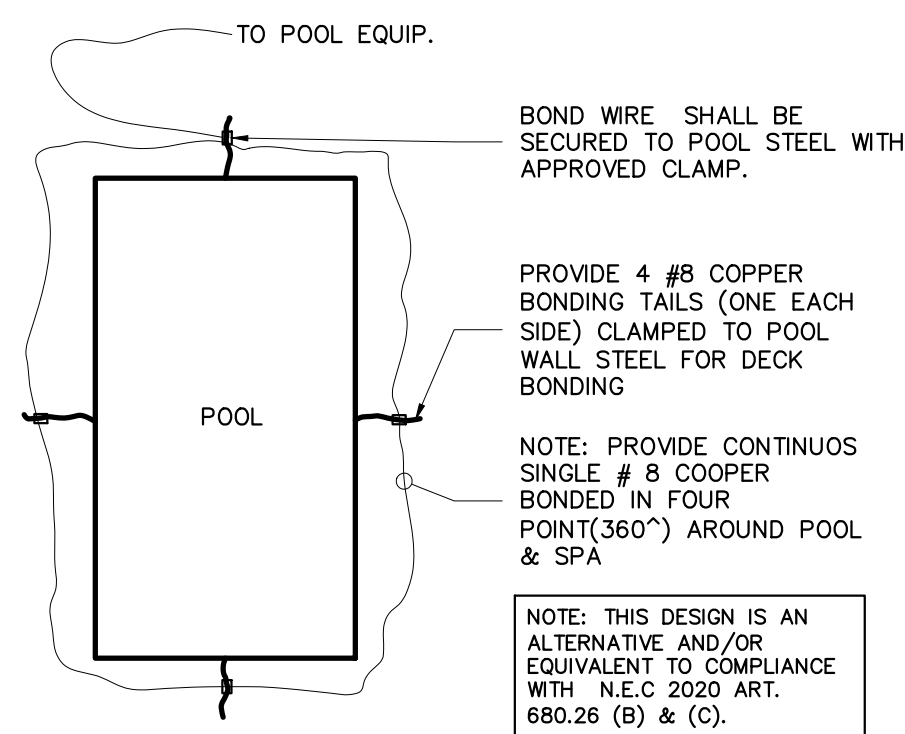
FOR THE ELECTRICAL NOTES PLEASE REFER TO SHEET "N-01"



I HEREBY CERTIFY THAT THE EXISTING SERVICE AND PANEL HAVE ENOUGH CAPACITY TO ACCOMMODATE THE NEW/ADDED POOL EQUIPMENT LOAD

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

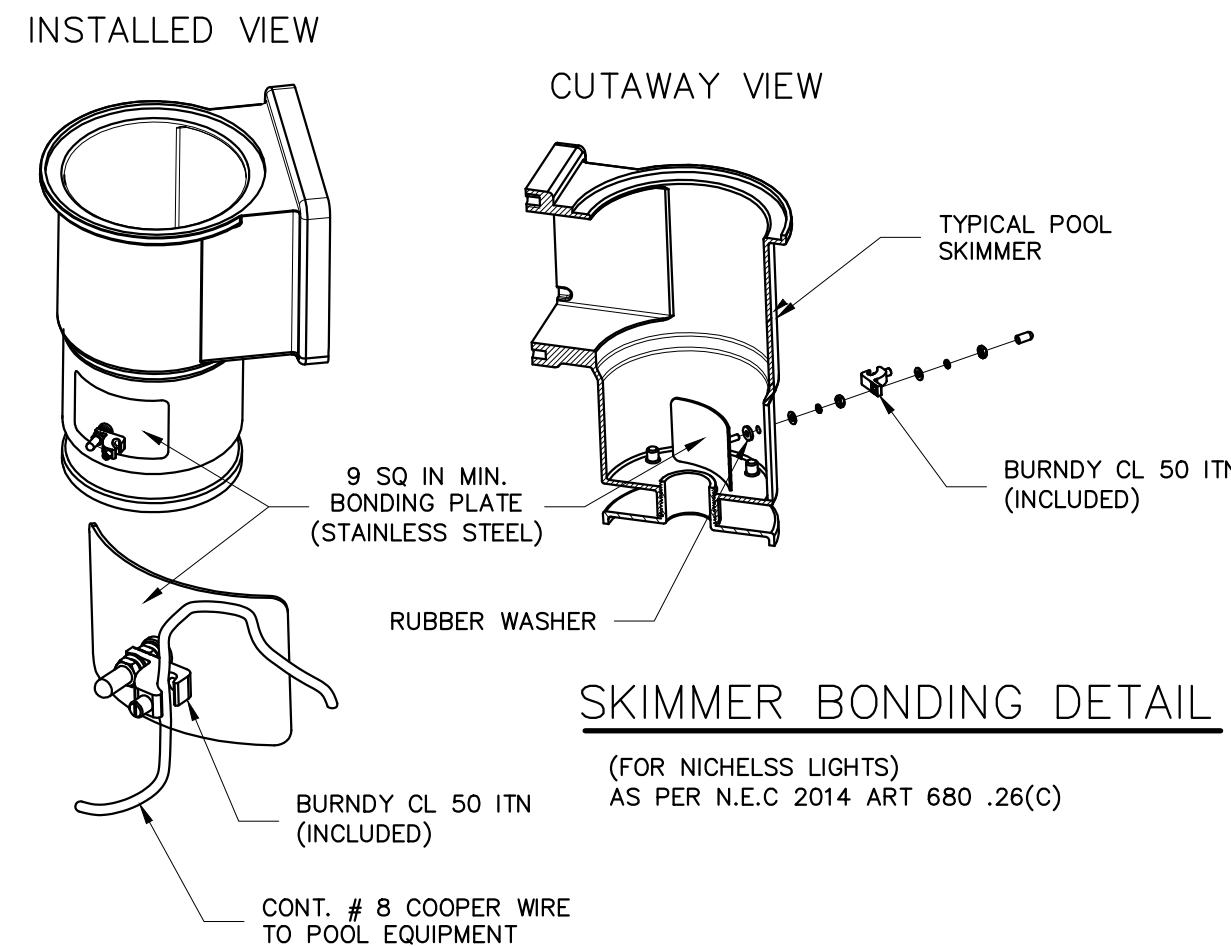
ELECTRICAL RISER DIAGRAM



POOL BOND SCHEMATIC
NO SCALE

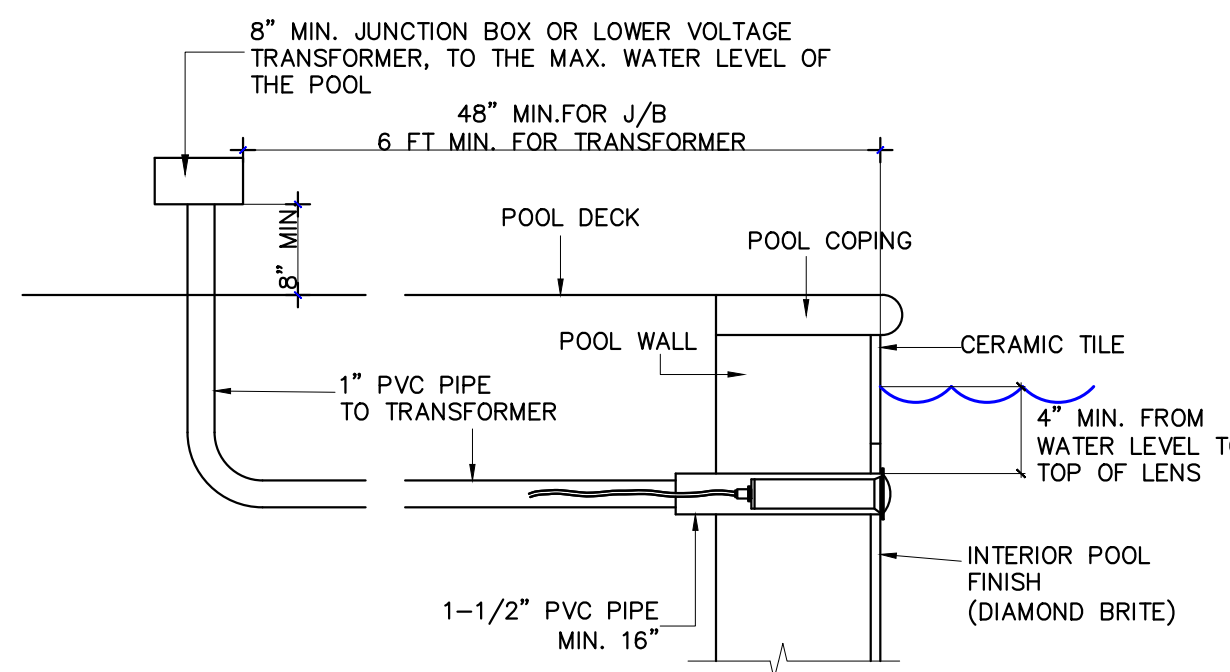
TYPE:	SIEMENS ITE					MAIN BUS: 150 AMPS								
SERVICE:	1Ø, 3W					NEUTRAL: F/N								
VOLTAGE:	120/240 V.					MAIN: M.L.O.								
MOUNTING:	FLUSH					LOCATION: WALL								
PANEL P														
22 KAIC (SERIES RATED WITH MDP)														
NEMA 3R														
K/VOLT AMP	POLE	TRIP	CONDUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CONDUIT	TRIP	POLE	K/VOLT AMP	
1.50	1	20	1"	#10	* SPRINKLER PUMP (GFCI)	1	2	POOL GFCI RECEPTACLE	#12	1/2"	20	1	1.50	
1.00	1	20	3/4"	#12	**FLOOD LIGHTS (GFCI)	3	4							
1.00	1	20	3/4"	#12	* GYM RECEPTACLES	5	6	POOL & SPA PUMP	#12	1/2"	20	2	2.50	
0.30	1	20	3/4"	#12	* BATH GFCI	7	8	* GYM LIGHTS	#12	3/4"	20	1	1.00	
5.50	2	40	1"	#8	WATER HEATER (5.5kw) PROVIDE INTERLOCK	9	10	* REFRIGERATOR GFCI	#12	3/4"	20	1	1.50	
						11	12	CU #7 (FLA=15.0 amps.) FEED AHU#7	#12	3/4"	20	2	4.00	
5.50	2	40	1"	#8	WATER HEATER (5.5kw) PROVIDE INTERLOCK	13	14	SERVICE RECEPTACLES	#12	3/4"	20	1	1.00	
						17	18	POOL & SPA LIGHTS	#12	1/2"	20	1	0.084	
1.00	2	20	1/2"	#12	2HP BLOWER	19	20	GAS HEATER	#12	1/2"	20	1	0.080	
15.80														11.67
						TOTAL CONNECTED LOAD: 27.47 KVA								
						TOTAL CONNECTED AMPS: 114.50 AMPS								
ROMEX CABLE WILL BE PERMITTED WERE ALLOWED BY THE 2020NEC														
ALL PANELS AND DISCONNECTS SHALL BE 22KAIC SERIES RATED WITH MAIN AT 42KAIC														
THIS CONTRACTOR SHALL BE PROVIDE #10 WIRE FOR HOMERUNS OVER 100FT (SEE NOTE 2 OF PART 2)														
* PROVIDE AFCI(ARC-FAULT/GFCI BREAKER AS PER 2020NEC 210.12 (B) AND 406.4 (D)(4)														
** PROVIDE TIMER/CLOCK														

ELECTRICAL PANEL 'PP'													
TYPE INTERMATIC T-4000 RT3 SERVICE 600A VOLTAGE 1Ø, 120/240 MANS MAIN LUG							ENCLOSURE NEMA 3R LOCATION SEE PLAN RATING 80A 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	2.7HP PUMP	1	2	POOL LIGHTS	12	1/2"	84	1	20
						3	4	GAS HEATER	12	1/2"	80	1	20
20	2	1000	1/2"	12	2HP BLOWER	5	6				0		
						7	8				0		
TOTAL V.A 4,000							TOTAL V.A 164						
TOTAL LOAD @ 100%													
4,164 W							17.35 AMP						



SKIMMER BONDING DETAIL

(FOR NICHELESS LIGHTS)
AS PER N.E.C 2014 ART 680 .26(C)



NICHELESS LIGHT DETAIL
NO SCALE

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.