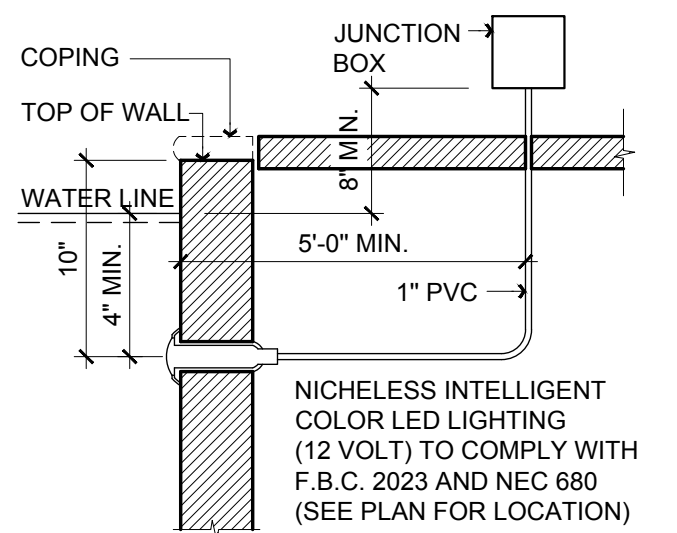
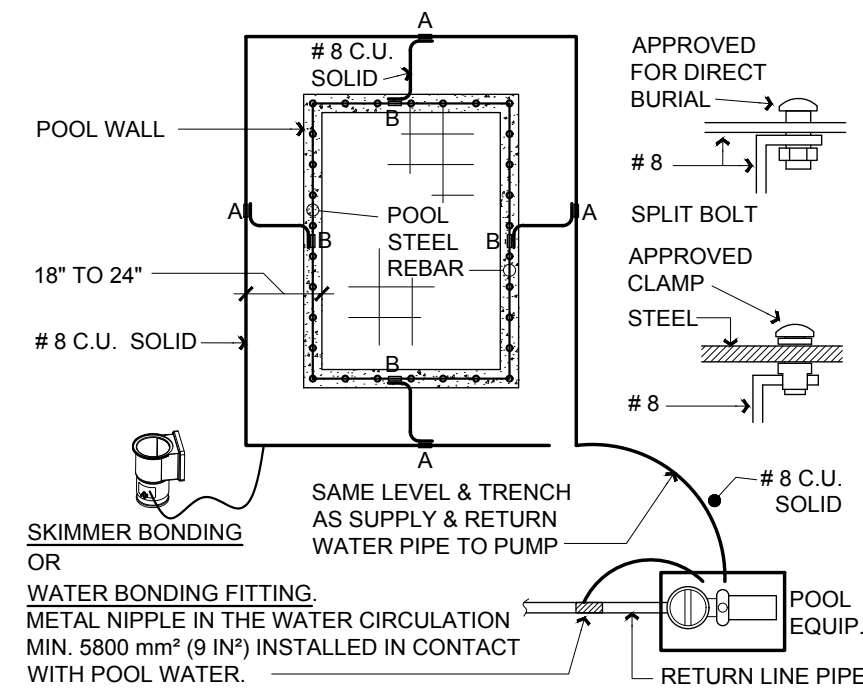


LOAD CALCULATION (STANDARD METHOD)	PNL"A(I)"	PNL"A(II)"	PNL"P"
SQUARE FEET OF CONDITION SPACE	3,470	1,450	250
GENERAL LIGHTING AT 3 W.S.F	10,410	4,350	750
SMALL APPLIANCES CIRCUITS	3	0	0
SMALL APPLIANCES LOAD	4,500	0	0
OTHER LIGHTING	600	3,400	600
CEILING FANS	0	0	0
GARAGE DOOR OPENER & GATE MOTOR	900	2,400	0
LAUNDRY CIRCUIT LOAD	1,500	0	0
RANGE / OVEN OR COOK TOP	0	0	0
DOUBLE OVEN	0	8,000	0
DRYER	0	0	0
HOT WATER HEATER	0	11,200	11,200
SPRINKLER PUMP	0	2,200	2,200
POOL EQUIPMENT	0	10,600	10,600
SPA EQUIPMENT	0	0	0
REFRIGERATOR	600	0	0
DISHWASHER	1,200	0	0
DISPOSER	900	0	0
WHIRPOOL	0	1,500	0
OTHER LOAD 120V	2,400	2,760	0
OTHER LOAD 240V	0	3,300	0
HEATING OR A/C @ 100%(LARGEST LOAD)	28,360	2,200	2,200
DEMAND			
GENERAL LIGHTING & REC.	17,910	10,150	1,350
FIRST 3 KVA @ 100%	3,000	3,000	1,350
NEXT 117 KVA @ 35%	5,219	2,503	0
REMAINDER @ 25%	0	0	0
HEATING OR A/C @ 100%	28,360	2,200	2,200
APPLIANCE LOAD (75% IF > 4 APPLIANCES)	3,825	19,020	13,350
DRYER	0	0	0
RANGES	0	8,000	0
TOTAL	40,404	40,923	23,100
AMP AT 240 VOLT	168	170	96



SECTION UNDER WATER LAMP
N.T.S.

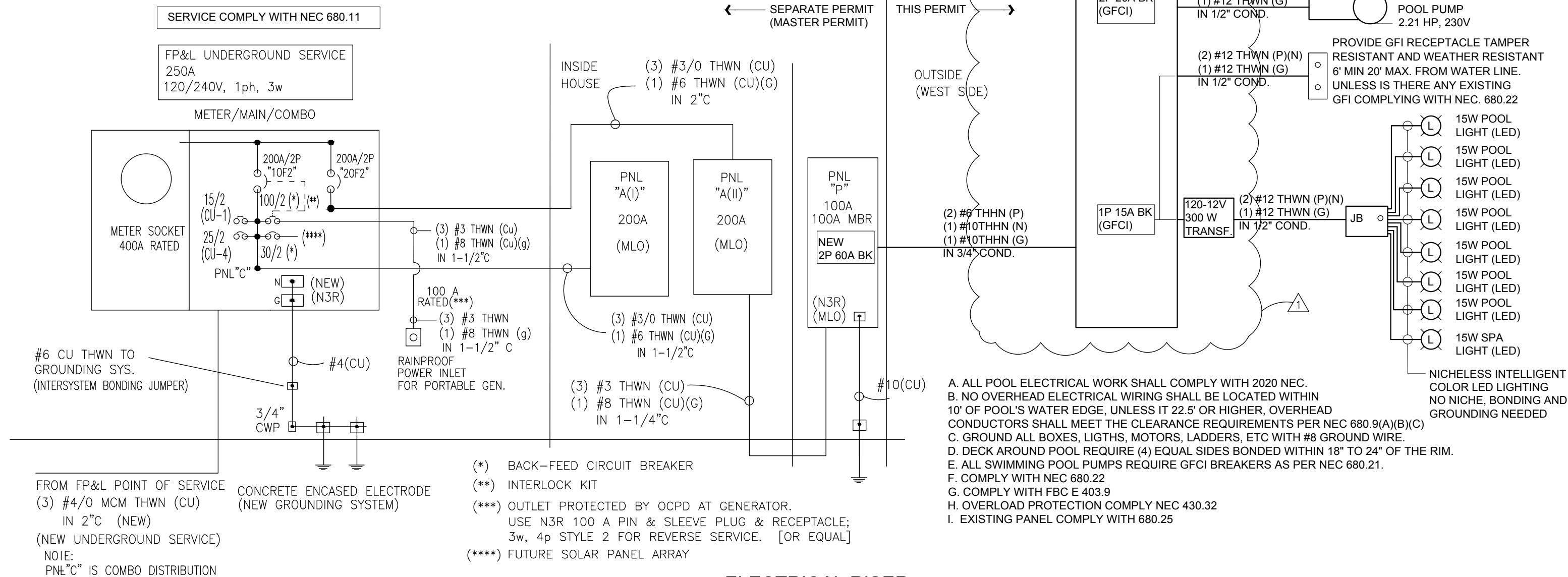


#8 AWG BARE SOLID C.U. CONDUCTOR
 - SHALL FOLLOW THE CONTOUR OF THE PERIMETER SURFACE
 - APPROVED DEVICES OR EXOTHERMIC WELDING SHALL BE PERMITTED
 - CONDUCTOR SHALL BE 18 IN TO 24IN FROM THE INSIDE POOL
 - CONDUCTOR SHALL BE SECURED WITHIN OR UNDER THE PERIMETER SURFACE 4IN TO 6IN BELOW THE SUBGRADE.

EQUIPOTENTIAL BONDING GRID DETAIL
TO COMPLY 2020 NEC 680.26 (B) & (C)

ELECTRICAL NOTES

1. INSTALL WIRING AND DEVICES AS INDICATED IN POOL ELECTRICAL SCHEMATIC DIAGRAM. INSTALL DISCONNECT SWITCH AT MOTOR IF NOT WITHIN 5' OF FUSED SWITCH AT SERVICE POINT. ELECTRICAL LIGHT CONNECTION TO COMPLY WITH NEC 660-1575 ART. 680.
2. ALL METALLIC PARTS OF THE WATER STRUCTURE, INCLUDING CONDUITS, PIPING SYSTEM, REINFORCING STEEL OF THE POOL SHELL, COPING STONES, DECK, FIXTURE HOUSING, LADDERS AND THEIR SUPPORTS SHALL BE BONDED TO A COMMON BONDING GRID AND GROUNDED TO A COMMON GROUND [680.26(C)]. BONDING CONDUCTORS SHALL NOT BE SMALLER THAN A #8 COPPER WIRE.
3. THE GFCI RECEPTACLE TO BE NO LESS THAN 6" AND NOT MORE THAN 20' AWAY FROM THE INSIDE WALL OF THE POOL.
4. ALL DISCONNECTING MEANS [ARTICLE 404] AND SWITCHES MUST BE LOCATED AT LEAST 5 FT. HORIZONTALLY FROM THE INSIDE WALLS OF A POOL UNLESS SEPARATED FROM THE POOL BY A SOLID FENCE, WALL, OR OTHER PERMANENT BARRIER [680.22(C)].
5. LUMINAIRES, LIGHTING OUTLETS AND FANS INSTALLED IN THE AREA EXTENDING BETWEEN 5 & 10 FT FROM INSIDE WALL OF POOL SHALL BE GFCI PROTECTED. NEC 680.22(B)(4)



ELECTRICAL RISER

REVISIONS	
02-11-2026	 REV1 COMMENTS

SIGN AND SEAL

MANUEL E. TORRES, PE

PE 82079

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Dade City, FL 33525

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torresmanuelpe@gmail.com

PROJECT: **SWIMMING POOL PLAN**

OWNER: **ELIGES INVESTOR CONSTRUCTION**

ADDRESS: **9841 S.W. 73rd COURT, PINECREST FL, 33156**

DRAWN:
 L BL

DATE:
11.06.2025

JOB No:
25077

DRAWING NO.
SP 6_{of 6}

This item has been electronically signed and sealed by Manuel E. Torres PE # 82079 on the date adjacent to the seal using a SHA authentication code.