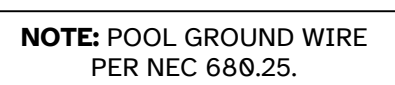




6363 SW 132 STREET
PINECREST, FL 33156

SHEET NO. © 2025

NICHELESS LIGHTS	5	100	WATTS
LARGE NICHE LED LIGHTS	1	70	WATTS
RECIRCULATION PUMP	1	2,550	WATTS
SALT CHLORINATOR	1	300	WATTS
AIR BLOWER	1	1,200	WATTS
HEAT PUMP	1	6,340	WATTS
SUBTOTAL		10,560	WATTS
TOTAL DEMAND		44.0	AMPS

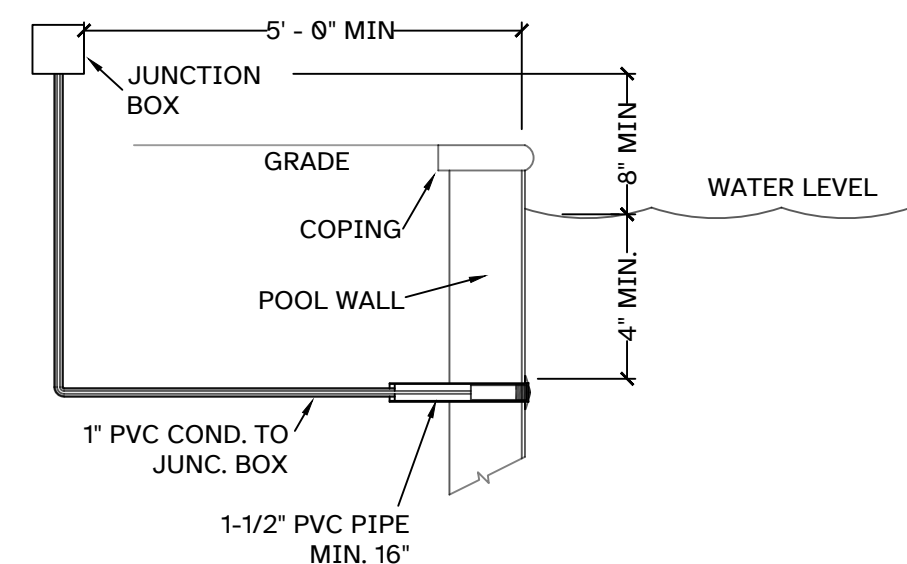


AN EQUIPMENT GROUNDING CONDUCTOR AS DESCRIBED IN SECTION E3908 SHALL BE RUN WITH THE SUPPLY CONDUCTORS AND CONNECTED TO THE BUILDING OR STRUCTURE DISCONNECTING MEANS AND TO THE GROUNDING ELECTRODE(S). THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED FOR GROUNDING OR BONDING OF EQUIPMENT, STRUCTURES OR FRAMES REQUIRED TO BE GROUNDED OR BONDED. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH SECTION E3908.12. ANY INSTALLED GROUNDED CONDUCTOR SHALL NOT BE CONNECTED TO THE EQUIPMENT GROUNDING CONDUCTOR OR TO THE GROUNDING ELECTRODE(S). [250.32(B) AND TABLE 250.122]

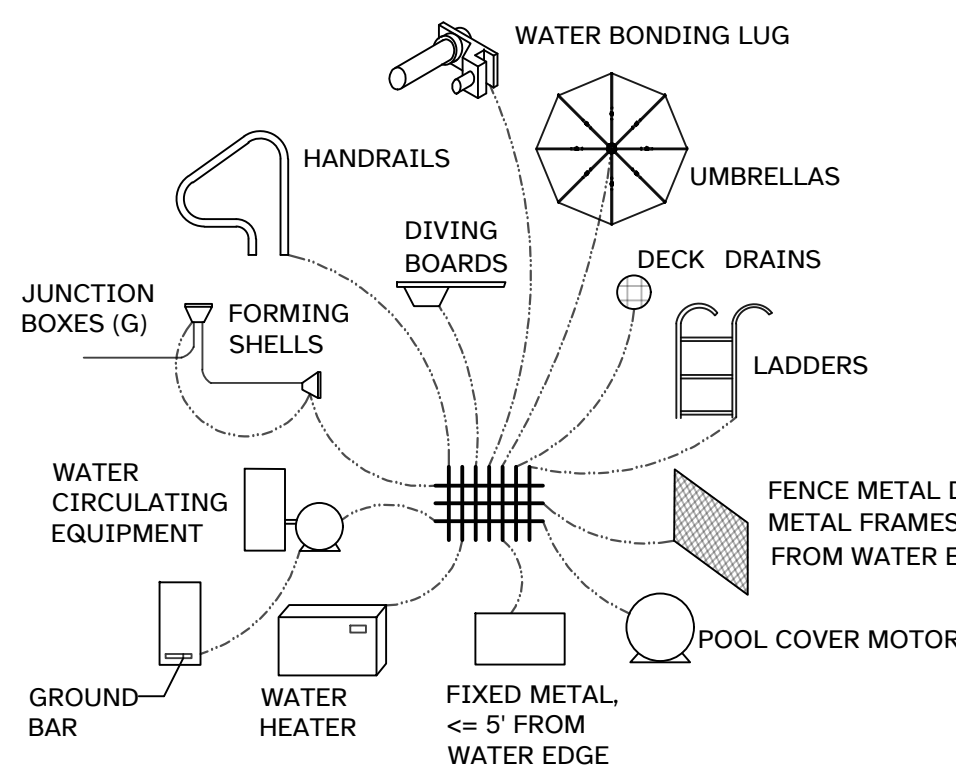
1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE F.B.C. 2023, 8TH EDITION AND ARTICLE 680 N.E.C. 2020 EDITION. ALL BOND WIRES SHALL BE PROTECTED WITH APPROVED MATERIAL. THE CONTRACTOR SHALL INSURE THAT AN ELECTRICAL BONDING INSPECTION IS CALLED FOR AND APPROVED PRIOR TO PLACEMENT OF CONCRETE OVER THE BOND WIRE CONNECTIONS. CONNECTIONS DIRECTLY FROM THE POOL LIGHT TO A TRANSFORMER BOX IS PROHIBITED. ALL METAL PARTS IN THE POOL AREA, IN ADDITION TO ALL METAL DOORS, WINDOWS, SCREENED ENCLOSURES, OR OTHER ITEMS CONTAINING METAL WITHIN A DISTANCE OF 5 FEET FROM THE POOL WATERS EDGE SHALL ALSO BE GROUNDED.
2. POOL EQUIPMENT TO BE GROUNDED TO COMMON BONDING GRID CONSISTING OF (1) #8 CONTINUOUS COPPER WIRE LOOPED AROUND POOL PERIMETER.
3. LOOP SHALL BE GROUNDED TO PANEL VIA POOL WALL STEEL, DECK REINFORCING, POOL EQUIPMENT, AND PUMP MOTOR CASING, PER NEC 680.25.
4. PROVIDE GROUND WIRE SYSTEMS LOOP WITH #8 COPPER WIRE FOR THE POOL DECK WIRE MESH AND STRUCTURAL STEEL.
5. ALL WIRING SHALL BE COPPER THWN.
6. POOL PUMP REQUIRES OVERLOAD PROTECTION PER NEC 430.32.
7. COMPLY WITH FBC 4493.12 AND NEC 430.32.

NOTE: ALL METAL PARTS SHALL BE BONDED AS PER N.E.C. 680.26 (B)
BONDING GRIDS ARE NOT REQUIRED:

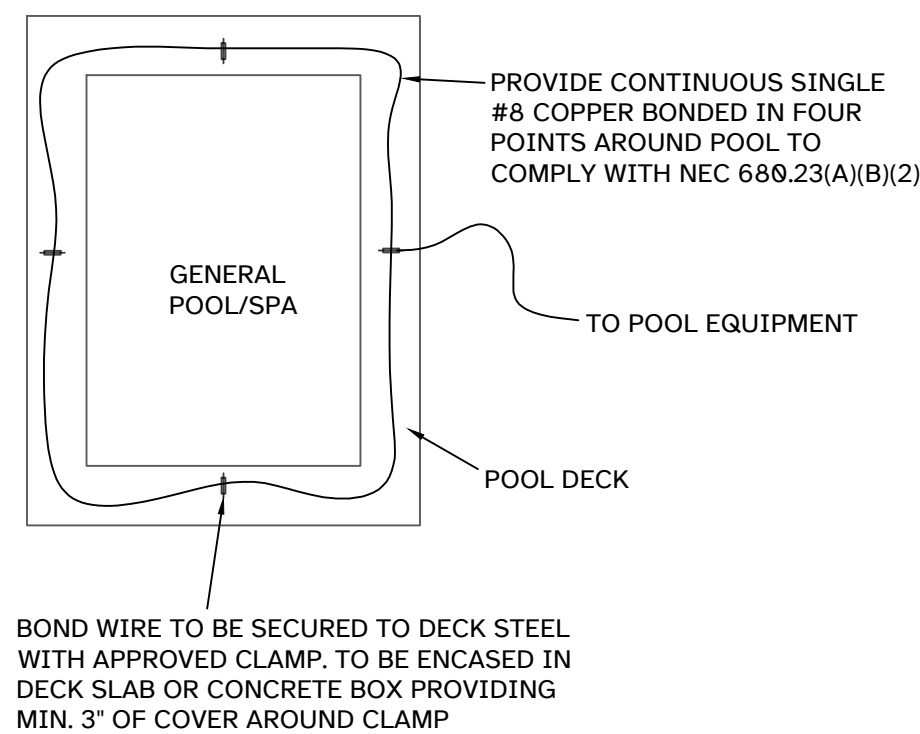
- UNDER NON-PAVED WALKING AREAS
- UNDER WOOD OR OTHER NON-CONDUCTIVE DECKING
- WHERE FENCES OR OTHER BARRIERS PREVENT ONE FROM STANDING ON THE GROUND TOUCHING THE WATER WITHIN THE POOL



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

16 November 2025

FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN CONSTRUCTION DELAYS AND ASSOCIATED COSTS.

FIELD CONDITION DISCREPANCIES: SHOULD FIELD CONDITIONS DEVIATE FROM THE DIMENSIONS SPECIFIED ON THE DRAWINGS, THE CONTRACTOR MUST PROMPTLY INFORM THE PROJECT ENGINEER FOR RESOLUTION AND CLARIFICATION.

DIMENSION VERIFICATION: THE CONTRACTOR IS REQUIRED TO CONSULT THE PROJECT ENGINEER FOR ANY NECESSARY DIMENSIONS INSTEAD OF RELYING SCALING DRAWINGS. SCALING MAY RESULT IN INACCURACIES AND IS NOT PERMITTED.

NOTE: PRIOR TO ELECTRICAL ROUGH, ELECTRICAL CONTRACTOR SHALL SUBMIT A REVISION TO THIS DRAWING SHOWING EXISTING SERVICE WITH ADDITIONAL LOADS, CALCULATIONS, AND EXPECTED AS BUILT CONFIGURATION, IF DIFFERENT FROM THIS DRAWING. ELECTRICAL CONTRACTOR TO VERIFY ON FIELD CAPACITY AND CONDITIONS OF EXISTING SERVICE, REPORTING TO THE ENGINEER ANY INCONSISTENCY AND/OR THE NECESSITY TO REPLACE ANY EXISTING ELECTRICAL COMPONENTS.

