



POOL PERMIT

OFFICE USE ONLY:

FEES:

TOTAL:

PAID:

DATE: _____

POOL TYPE: ABOVE GROUND _____ IN-GROUND _____ HOT TUB _____

ESTIMATED PROJECT COST: _____ ESTIMATE START DATE: _____

ADDRESS OF PROJECT: _____

OWNER OF SITE LOCATION: _____

PHONE: _____ EMAIL: _____

POOL CONTRACTOR: _____

REGISTERED WITH VILLAGE OF GODFREY? YES _____ NO _____ **if not, please fill out contractor registration form*

PHONE: _____ EMAIL: _____

ELECTRICIAN NAME: _____

REGISTERED WITH VILLAGE OF GODFREY? YES _____ NO _____ **if not, please fill out contractor registration form*

PHONE: _____ EMAIL: _____

BONDING: PERSON/COMPANY RESPONSIBLE FOR BONDING: _____

REGISTERED WITH VILLAGE OF GODFREY? YES _____ NO _____ **if not, please fill out contractor registration form*

PHONE: _____ EMAIL: _____

ATTACH DRAWING OF POOL AND IDENTIFY LOCATIONS WHERE IT WILL BE BONDED: YES _____

OR – BONDING INCLUDED WITH HOT TUB SET UP: YES _____

ATTACH LIST OF APPROVED BONDING SUPPLIES TO BE USED: YES _____

DOES PROPERTY CURRENTLY HAVE FENCE AROUND POOL AREA? YES _____ NO _____

**If no, please submit a fence permit. This is required prior to filling pool.*

IS THIS PROPERTY OVERSEEN BY A HOME OWNER'S ASSOCIATION (HOA)? YES _____ NO _____

IF YES, WILL APPROVAL BY THE HOA BE REQUIRED FOR THIS PROJECT? YES _____ NO _____

**Please attach approval letter to this application if needed.*

SITE PLAN/RENDERING WITH SETBACKS ATTACHED: YES _____

REQUIRED SETBACKS: 10 feet from house; 5 feet from underground electric; 15 feet overhead electric; 5 feet from side property line; 7.5 feet from rear property line **THIS DISTANCE MAY NEED TO BE INCREASED DUE TO EASEMENTS. IT IS THE OWNER'S RESPONSIBILITY TO VERIFY ALL PROPERTY LINES/EASEMENTS TO ASSURE ALL SETBACKS ARE MET.*

Incomplete applications will not be reviewed. Please allow up to one week for review and approval. Additional permits may be required based on scope of work. Please refer to current fee schedule. Please allow up to one week for plan review and approval. Bonding and final inspections are required for any install. Please call the office at least 24 hours in advance to schedule any inspections.

CALL JULIE LOCATE AT 800-892-0123 BEFORE DIGGING

SIGNATURE OF APPLICANT: _____

I affirm and certify that all the information and answers to questions herein are complete, true, and correct to the best of my knowledge and belief. I understand that any misrepresentation, falsification, or omission of any facts called for in the application may render this application void and will be cause for revocation of permit(s), whenever discovered. Any person who shall violate or fail to comply with any building codes or permit process shall be charged according to current Village ordinances.

6810 GODFREY ROAD ● BOX 5067 ● GODFREY, IL 62035

PHONE: 618-466-1206 ● FAX: 618-466-4519

buildingzoning@godfreyil.org

Revised 3/2026

POOL BONDING INFORMATION

Section 60.211. - Swimming pools.

No swimming pool, whether public or private, shall be located in any front yard. All swimming pools of more than two feet in depth shall have appropriate fencing installed which shall be not less than four feet in height around the pool to limit access to it unless, upon application, the zoning administrator, subject to review by the planning and zoning commission, approves a different, but equivalent, means of limiting access to the swimming pool. Unless otherwise approved by the zoning administrator upon application, subject to review by the planning and zoning commission, no fence installed around a private swimming pool may exceed a height of eight feet. A permit from the building and zoning administrator is required for all new swimming pool construction or renovation. The construction must comply with all building code requirements and the 2017 NEC as adopted by the Village of Godfrey. The electrical and bonding must be done by a licensed electrician and he/she must sign the building permit along with the property owner or general contractor. (Ord. No. 07-2009, 3-3-2009; Ord. No. 18-2017, § 2, 9-19-2017)

POOL PARTS – SAMPLE LIST

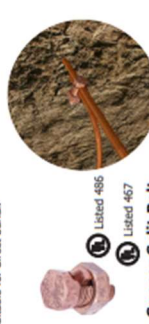
GROUND ROD COPPER 5/8X8 (not all pools)
BLKBRN JAB58H 5/8 GRND ROD CLP
WIRE 8-SD-SOL BARE COPPER
MILB U3802 NON-FUSE AC DISC
IDEAL 30-030 NOALOX BOTL 8 OZ
LEV 2310 LKG FLUSH RECEPTACLE
LEV 1451-2W WHT SP QUIET SW
BURNDY KS20 5STR SOLDERLESS
BKJBRB K70 14-4 CU SCR LUG
EGS WSL150 1-GANG WPRF BOX 4-1
EGS WSM175 1-GANG WPRF BOX 3-3
DOTTIE FG1100C CLR 2-1/2 WP RC
STAINLESS STEEL NUTS AND BOLTS, LOCK WASHER



1 - One-Hole Tinned Copper Lay-In Lug

Part No.	Conductor Range (AWG)	Bolt Hole Size
TCL1414DB	4 - 14	#10

• Suitable for direct burial.



2 - Copper Split Bolt

Part No.	Range for Equal Main (AWG)	Minimum Tap
GES98	16 Str. - 8 Str.	16 Sol.
GES96	4 Sol. - 8 Sol.	10 Str.

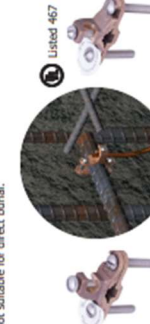
• Suitable for direct burial.



3 - Copper Offset Terminal Lug

Part No.	Conductor Range (AWG)	Bolt Hole Size
GEOL2	14 Str. - 6 Str.	#8

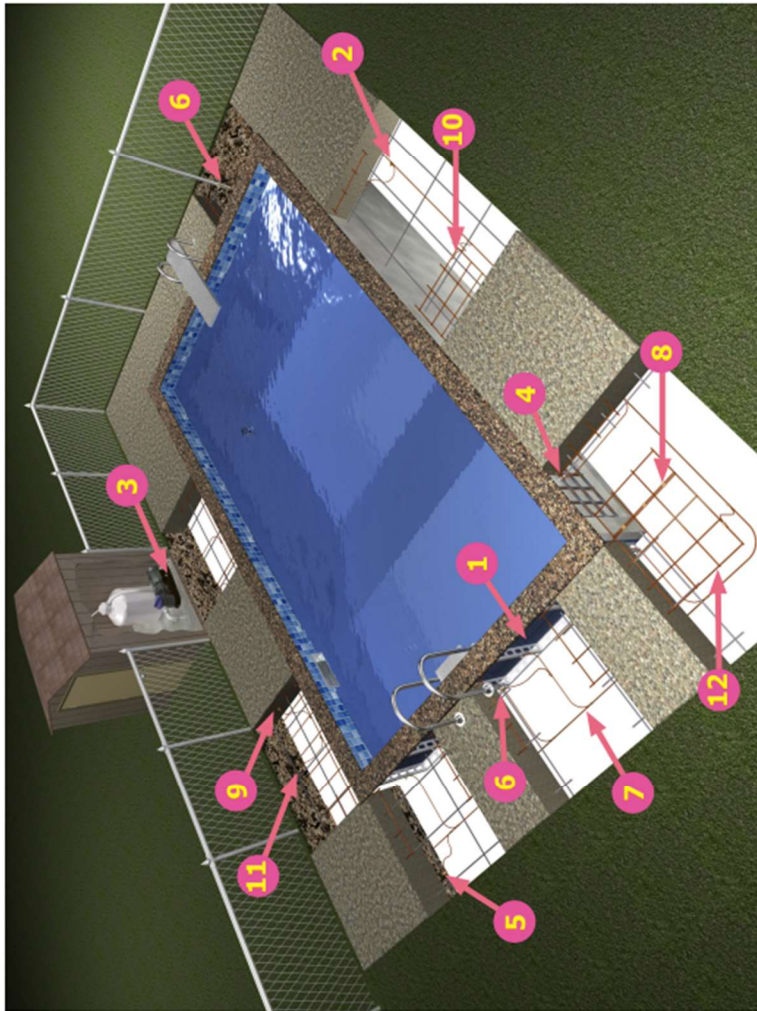
• Not suitable for direct burial.



4 & 5 - Rebar & Water Pipe Ground Clamps

Part No.	Pipe & Rebar Range	Conductor Range (AWG)
RB12A	3/8" - 1"	10 Sol. - 2 Str.
RB12B	3/8" - 1"	10 Sol. - 2 Str.

• Suitable for direct burial.



9 & 10 - Cable to Rebar Ultraweld Exothermic Connection Molds

Part No.	Weld Metal	Required Handle	Packing Part No.
RP38SB	US25	NUWTUBE25	MR11
RP48SB	US25	NUWTUBE25	MR11
RP58SB	US25	NUWTUBE25	MR11
RP68SB	US25	NUWTUBE25	MR11
RP78SB	US25	NUWTUBE25	MR11
RP88SB	US25	NUWTUBE25	MR11
RP98SB	US25	NUWTUBE25	MR11
RP108SB	US25	NUWTUBE25	MR11



11 - Rebar Grounding Assembly

Part No.	Rebar Size	Conductor Type (AWG)	Conductor Length (ft.)
RB3GASD5	3	8 Sol.	5

- Prefabricated rebar grounding assembly with exothermically welded connection.
- Standard 24" long rebar.
- Can be wire tied or welded to rebar cage prior to concrete pour.



12 - UL Listed Prefabricated #8 Solid Copper Ground Mesh

Part No.	Width (ft.)	Length (ft.)	Conductor Spacing (in.)	Approx. Wt. (lbs.)
GH35812	3	50	12	32
GH37812	3	75	12	42
GH310812	3	100	12	51

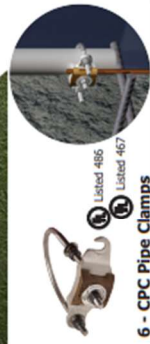
- Other mesh sizes and wire gauges available.



7 & 8 - Cable to Cable Ultraweld Exothermic Connection Molds

Part No.	Weld Metal	Required Handle
PT85SB	US25	NUWTUBE25
PT85SL	US25	NUWTUBE25
PT85SSL	US25	NUWTUBE25

- Other mesh sizes and wire gauges available.



6 - CPC Pipe Clamps

Part No.	Material	Non-Pipe Size Range	Pipe Outside Diameter
CPC1.5/2	Tinned Bronze	1.5" - 2"	1" - 2.4"
CPC2.5/3	Tinned Bronze	2.5" - 3"	2.25" - 3.5"

• Suitable for direct burial. • Conductor Range #6 - 250 MCM. • Other sizes available.

- Other sizes available.

Pool Grounding & Bonding Technical Notes

TECHNICAL NOTES:

• 680.26 Equipotential Bonding* (Summarized)

(A) Performance. The equipotential bonding required by this section shall be installed to reduce voltage gradients in the pool area.

(B) Bonded Parts. The parts specified in 680.26(B)(1) through (B)(7) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to bonded parts shall be made in accordance with 250.8**. An 8 AWG or larger solid copper bonding conductor provided to reduce voltage gradients in the pool area shall not be required to be extended or attached to remote panelboards, service equipment, or electrodes.

(1) Conductive Pool Shells. Bonding to conductive pool shells shall be provided as specified in 680.26(B)(1)(a) or (B)(1)(b).

Poured concrete, pneumatically applied or sprayed concrete, and concrete block with painted or plastered coatings shall all be considered conductive materials due to water permeability and porosity. Vinyl liners and fiberglass composite shells shall be considered to be nonconductive materials.

(a) Structural Reinforcing Steel. Unencapsulated structural reinforcing steel shall be bonded together by steel tie wires or the equivalent. Where structural reinforcing steel is encapsulated in a nonconductive compound, a copper conductor grid shall be installed in accordance with 680.26(B)(1)(b).

(b) Copper Conductor Grid. A copper conductor grid shall be provided and shall comply with (b)(1) through (b)(4).

(1) Be constructed of minimum 8 AWG bare solid copper conductors bonded to each other at all points of crossing. The bonding shall be in accordance with 250.8 or approved means.

(2) Conform to the contour of the pool.

(3) Be arranged in a 300 mm (12 in.) by 300 mm (12 in.) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 100 mm (4 in.).

(4) Be secured within or under the pool no more than 150 mm (6 in.) from the outer contour of the pool shell.

(2) Perimeter Surfaces. The perimeter surface shall extend for 1 m (3 ft.) horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete surfaces and other types of paving. Perimeter surfaces less than 1 m (3 ft.) separated by a permanent wall or building 1.5 m (5 ft.) in height or more shall require equipotential bonding on the pool side of the permanent wall or building. Bonding to perimeter surfaces shall be provided as specified in 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool. For nonconductive pool shells, bonding at four points shall not be required.

(a) Structural Reinforcing Steel. Structural reinforcing steel shall be bonded in accordance with 680.26(B)(1)(a).

(b) Alternate Means. Where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor(s) shall be utilized where the following requirements are met:

(1) At least one minimum 8 AWG bare solid copper conductor shall be provided.

(2) The conductors shall follow the contour of the perimeter surface.

(3) Only listed splices shall be permitted.

(4) The required conductor shall be 450 to 600 mm (18 in. to 24 in.) from the inside walls of the pool.

(5) The required conductor shall be secured within or under the perimeter surface 100 to 150 mm (4 in. to 6 in.) below the subgrade.

(3) Metallic Components. All metallic parts of the pool structure, including reinforcing metal not addressed in 680.26(B)(1)(a), shall be bonded. Where reinforcing steel is encapsulated with a nonconductive compound, the reinforcing steel shall not be required to be bonded.

(4) Underwater Lighting.

(5) Metal Fittings.

(6) Electrical Equipment.

(7) Fixed Metal Parts. All fixed metal parts shall be bonded including, but not limited to, metal-sheathed cables and raceways, metal piping, metal awnings, metal fences, and metal door and window frames.

Exception No 1: Those separated from the pool by a permanent barrier that prevents contact by a person shall not be required to be bonded.

Exception No 2: Those greater than 1.5 m (5 ft.) horizontally from the inside walls of the pool shall not be required to be bonded.

Exception No 3: Those greater than 3.7 m (12 ft.) measured vertically above the maximum water level of the pool, or as measured vertically above any observation stands, towers, or platforms, or any diving structures, shall not be required to be bonded.

(C) Pool Water. Where none of the bonded parts is in direct connection with the pool water, the pool water shall be in direct contact with an approved corrosion-resistant conductive surface that exposes not less than 5800 mm² (9 in.²) of surface area to the pool water at all times. The conductive surface shall be located where it is not exposed to physical damage or dislodgement during usual pool activities, and it shall be bonded in accordance with 680.26(B).

• 250.8 Connection of Grounding and Bonding Equipment**

(A) Permitted Methods. Equipment grounding conductors, grounding electrodes conductors, and bonding jumpers shall be connected by one or more of the following means:

(1) Listed pressure connectors

(2) Terminal bars

(3) Pressure connectors listed as grounding and bonding equipment

(4) Exothermic welding process

(5) Machine screw-type fasteners that engage not less than two threads or are secured with a nut

(6) Thread-forming machine screws that engage not less than two threads in the enclosure

(7) Connections that are part of a listed assembly

(8) Other listed means

(B) Methods Not Permitted. Connection devices or fittings that depend solely on solder shall not be used.

*NEC 2014 Equipotential Bonding Article 680.26

**NEC 2014 Connection of Grounding and Bonding Equipment Article 250.8



Harger Lightning & Grounding

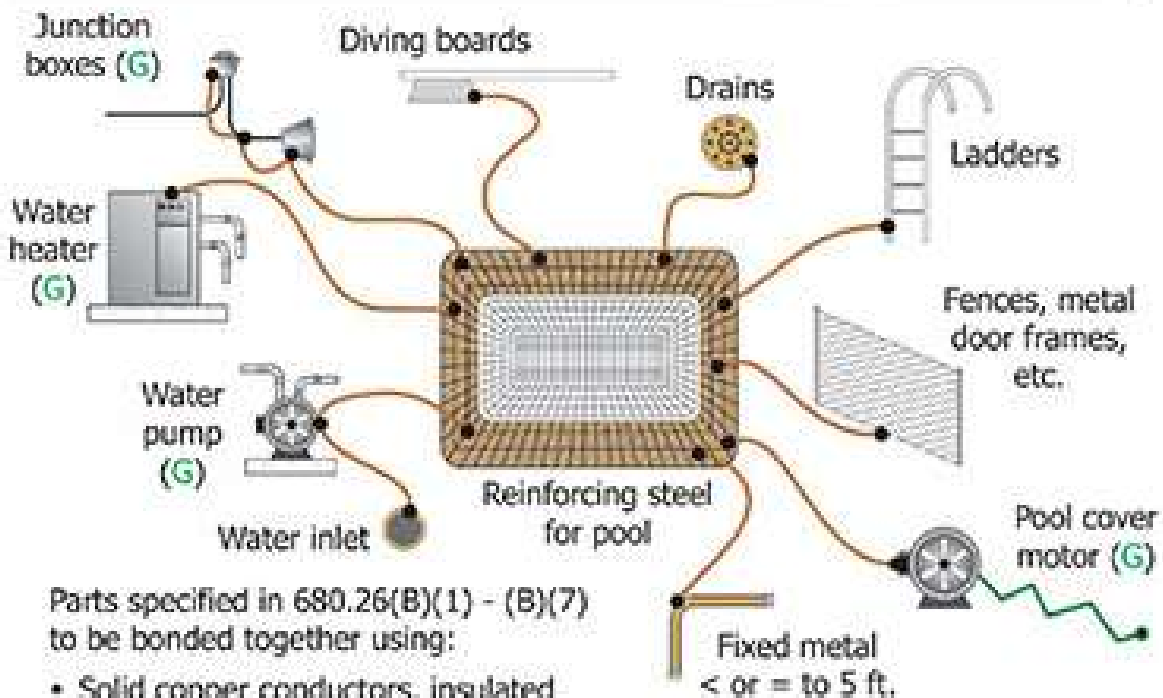
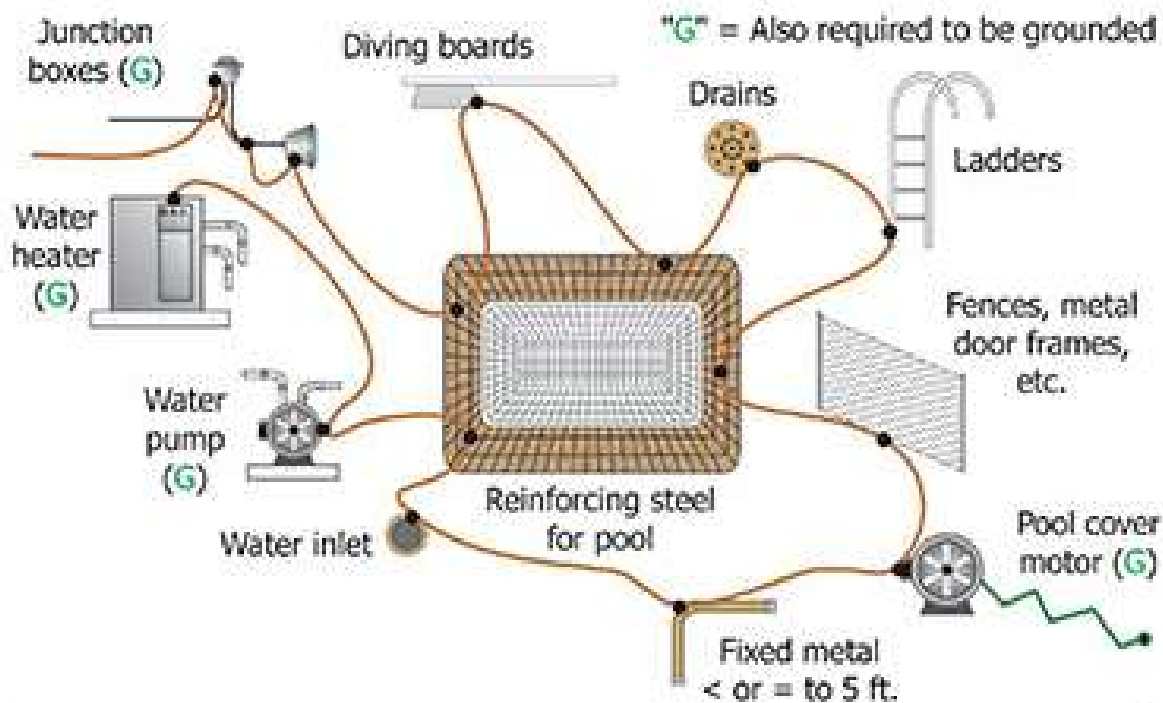
301 Ziegler Drive • Grayslake, IL 60030

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Website: www.harger.com • Email: hargersales@harger.com

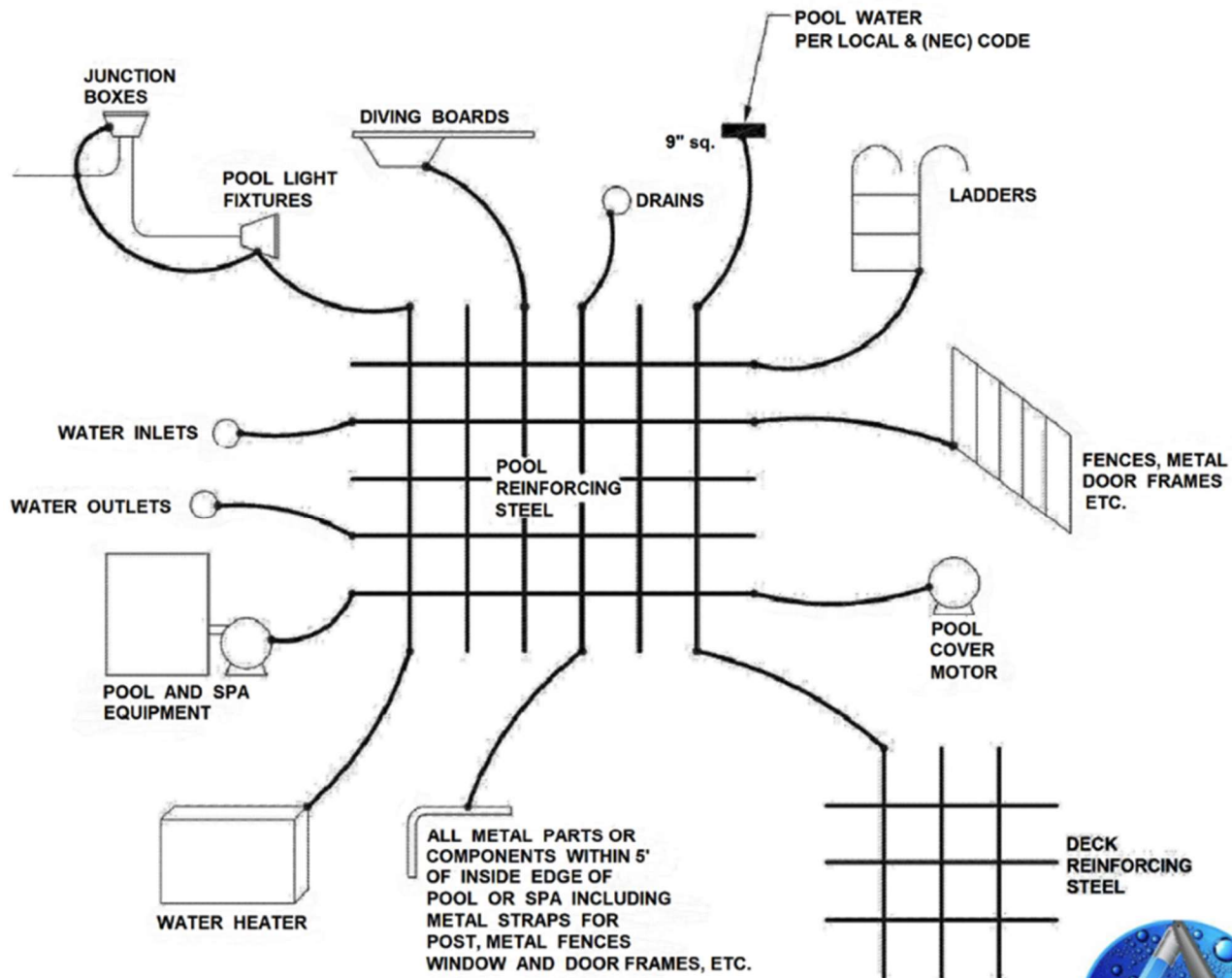


680.26(B) Equipotential Bonding - Bonded Parts



Parts specified in 680.26(B)(1) - (B)(7) to be bonded together using:

- Solid copper conductors, insulated covered, or bare, not smaller than 8 AWG
- Rigid metal conduit of brass or other identified corrosion-resistant metal



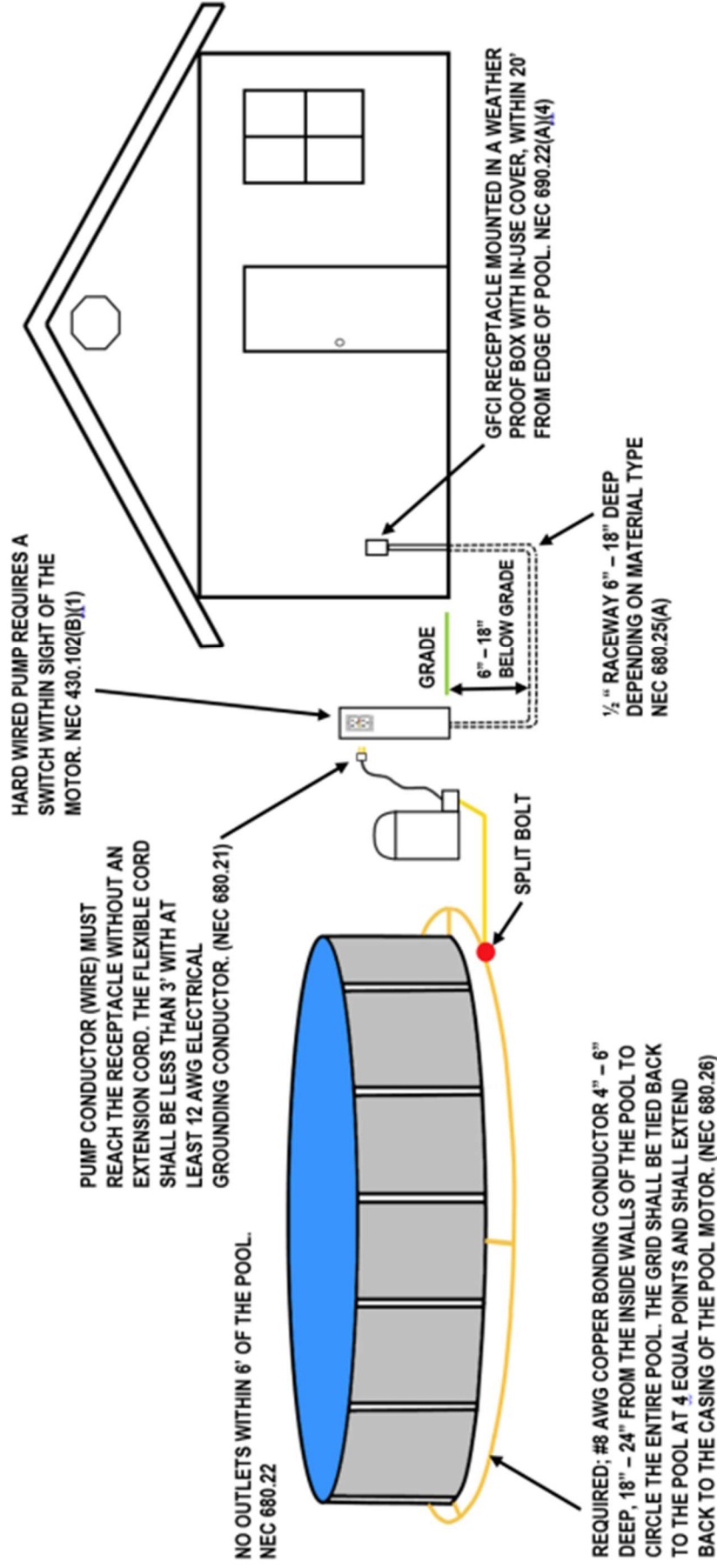
POOL AND SPA BONDING DETAIL

GENERAL NOTES:

- 1.) ALL CONNECTIONS WILL BE MADE BY EXOTHERMIC WELDING OR BY PROVIDING A LISTED PRESSURE CONNECTOR OR CLAMPS THAT ARE SUITABLE FOR THE REQUIRED PURPOSE AND ARE MADE OF STAINLESS STEEL, BRASS OR COPPER
- 2.) ALL BONDING CONNECTIONS WILL BE #8
- 3.) WHERE AS STEEL REINFORCEMENT IS NOT INSTALLED THEN ALL ITEMS WILL BE BONDED TOGETHER WITH #8 COPPER

NTS





THIS DRAWING ONLY SHOWS A PARTIAL LIST OF CODE REQUIREMENTS. REFERENCE THE NEC FOR MORE DETAILS