



DOCUMENTATION CLARIFICATION

Site-Specific Master Pool Permit Applications

EFFECTIVE IMMEDIATELY

September 9, 2024

As we continue to streamline our operations, the City of Cape Coral would like to clarify the documents and information that are required for Site-Specific Master Pool permit applications. These changes will be effective immediately.

Submitted documents shall include, but are not limited to, the following:

Electrical Review:

1. Must indicate the current applicable code edition the drawings and schematics were designed to comply with. (e.g. NEC 2020).
2. Provide name and license number of who completed the design, Registered Design Professional or Electrical Contractor on all drawings and schematics.
3. Site-specific address must be on all documents.
4. Design documents (e.g. plans) to be submitted on a minimum 11"x17" sheet size.
5. All documents that are required to be signed and sealed, must be third party digitally verifiable per F.S. 471.025, F.S. 481.221, F.S. 668.001-668.006.
6. Site-specific electrical pool design shall include, but are not limited to:
 - a. Site-specific pool equipment to be installed. Generic or optional list of equipment will not be accepted,
 - b. Conduits, breakers, and wire sizes for each piece of equipment,
 - c. The pool panel schedule to include the O.C.P.D. sizes,
 - d. The size of wires, breakers, and conduits for the pool panel feeder,
 - e. Bonding detail.
 - i. Metal parts of pool equipment in contact with the pool water circulating system shall be bonded. Some examples include, but are not limited to; pump motors, heaters, chlorinators, covers, etc.
- * For online permits the electrical drawings must be uploaded to the "Electrical Pages" file category.
7. Manufacturer's Specifications. Specifications shall include, but are not limited to:
 - a. All electric pool equipment. (Pump motors, heaters, chlorinators, automation, lights, transformers, etc.)



- b. Door/window alarm. Door/window alarm must meet UL 2017 standards for Child Pool Safety Law.

* For online permits the manufacturer's specifications must be uploaded to the "Manufacturer Specifications" file category. Multiple uploads to the "Manufacturer Specifications" file category will be allowed.

8. Pool Electric Attestation. Completed and signed pool electric attestation for electrical component loads, attesting the electrical component loads are adequate or acknowledging a separate permit to upgrade electrical service is required.

* For online permits the pool electric attestation must be uploaded to the "Pool Electric Attestation" file category.

Plumbing Review:

1. Must indicate the current applicable code edition the design drawings were designed to comply with. (e.g. FBC 2023).
2. Site-specific address must be on all documents.
3. Design documents (e.g. plans) to be submitted on a minimum 11"x17" sheet size.
4. All documents that are required to be signed and sealed, must be third party digitally verifiable per F.S. 471.025, F.S. 481.221, F.S. 668.001-668.006.
5. Site-specific Pool Plumbing Plan. Generic pool plumbing plans will not be accepted. Pool plumbing plan shall clearly indicate, but are not limited to:
 - a. Equipment location,
 - b. Pipe sizes,
 - c. Pipe lengths,
 - d. Main drain(s) location including spacing if using more than one (1) drain,
 - e. Return locations,
 - f. Jet locations,
 - g. Water feature location(s),
 - h. Autofill and/or overflow location(s), as applicable.

* For online permits the pool layout must be uploaded to the "Pool Layout" file category.

6. Complete hydraulic flow calculations for each operating mode. Calculations to include "industry standard" flow rates and design flow rates including those calculations necessary to show compliance with ANSI/APSP/ICC-15.

* For online permits the hydraulic flow calculations (TDH) specifications must be uploaded to the "Hydraulic Flow Velocity Calculations Pump Curve" file category.

**Do not include pump, filter, or main drain specifications in this document. All manufacturer's specifications shall be uploaded to the appropriate file category, "Manufacturer Specifications".

7. Manufacturer's Specifications. Specifications shall include, but are not limited to:
 - a. Pump spec sheet including pump curve. Pump curve diagram to clearly indicate operating points (high and low, as applicable),



- b. Filter spec sheet clearly indicating applicable model, size, and flow,
- c. Main drain showing life expectancy, flow rates, and compliance with Virginia Graeme Baker (VGB) 2017 and FBC R4501.6.6 Entrapment Protection.

* For online permits the manufacturer's specifications must be uploaded to the "Manufacturer Specifications" file category. Multiple uploads to the "Manufacturer Specifications" file category will be allowed.

Building Review:

1. City approved mastered pool plan complete with the applicable City of Cape Coral "mastered" approval stamp. When submitting these plans, they must include the site-specific address. If the plans are not stamped but the City of Cape Coral, the permit will be rejected.
* For online permits the city approved mastered pool plan must be uploaded to the "Pool Engineering" file category.
2. Design documents (e.g. plans) to be submitted on a minimum 11"x17" sheet size.
3. All documents that are required to be signed and sealed, must be third party digitally verifiable per F.S. 471.025, F.S. 481.221, F.S. 668.001-668.006.

4. Site-specific pool layout shall clearly indicate, but not limited to:

- a. Water depths,
- d. Ladder, steps, swim-out bench as per FBC R4501.18.
- e. Dimensions of pool including sun shelf and spa, as applicable,
- f. Pool equipment, plumbing and conduit location,
- g. Main drain(s) location,
- h. Auto fill and overflow location(s), as applicable,
- i. Return locations,
- j. Jet locations,
- k. Skimmer location,
- l. Vacuum port, as applicable,
- m. Water feature location(s).

* For online permits the pool layout must be uploaded to the "Pool Layout" file category.

5. Any additional engineering that is site-specific, that the mastered plans do not include (e.g. pilings, spa/pool wall connection detail, swim-out bench detail, retaining wall, etc.).

Zoning Review:

1. Site plan must be clear and legible, on 11"x17" sheet size, and shall clearly indicate, but not limited to:
 - a. North arrow,
 - b. Address,
 - c. Flood zone delineation lines when the property is in more the one (1) flood zone,
 - d. Pool layout within pool deck area,



- i. Include overall dimension of pool area.
 - e. Pool equipment location. Pool equipment, pool piping, and conduit are not to be located within the 6' PUE,
 - f. Pool barrier selection (existing or new fence, screen enclosure, baby barrier),
 - g. Clearly indicated setbacks from the structure to the closest property lines (including radial corners),
 - h. Finished pool deck elevation above existing grade, if height above finished grade is greater than 30",
 - i. Retaining wall height(s), as applicable,
 - j. Fall protection to be used, if pool deck is greater than 30" above finished grade and/or retaining wall height is greater than 30" above finished grade,
 - k. Location of door pads,
 - l. Location of stairs,
 - m. All existing or proposed work including but not limited to fences, shed, driveway, hardscapes (e.g. walkways, concrete pads, etc.), pan roof, captains walk, seawall, etc.
- * For online permits the site plan must be uploaded to the "Site Plan" file category.
2. Impervious calculation to shall include, but not limited to:
- a. Existing or under construction residence (including all areas under truss, e.g. covered porch, covered lanai, attached garage, living area),
 - b. Proposed pool deck (excluding water surface area),
 - c. Existing accessory structures (including but not limited to pan roof, shed, gazebo, detached garage, etc.),
 - d. Existing hardscapes (including but not limited to, door pads, walkways, concrete pads, equipment pads, etc.)
- * For online permits the impervious surface calculation must be uploaded to the "Impervious Calculations Worksheet" file category.

**** Note: there shall be no plumbing, electrical, or any equipment located within the 6' PUE. ****

***** These requirements are a minimum and additional information may be requested. Requirements are subject to change without notice. *****



POOL ELECTRIC ATTESTATION

Permit #: _____

Site Address: _____

Design Professional / Contractor Name: _____

License #: _____

The undersigned authority being duly sworn, deposes and says of his or her personal knowledge, attest to the following:

Please provide:

Size of the existing service: _____ amps

The available loads: _____ amps

Select the one:

☐ The existing electrical service for the residence is adequate for the pool addition and all its applicable equipment.

OR

☐ The increased electrical component loads exceed the existing electrical service, I understand that a separate permit will be required for the electrical service upgrade.

I further certify that I have read and understand that it will be my responsibility to ensure the electrical service will be sufficient for the proposed scope of work.

Under penalties of perjury, I declare that I have read the foregoing Pool Electric Attestation and that the facts stated in it are true to the best of my knowledge and belief. F.S. 92.525(c)(2).

(Signature of Owner)

(Signature of Design Professional or Contractor)

(Printed Name)

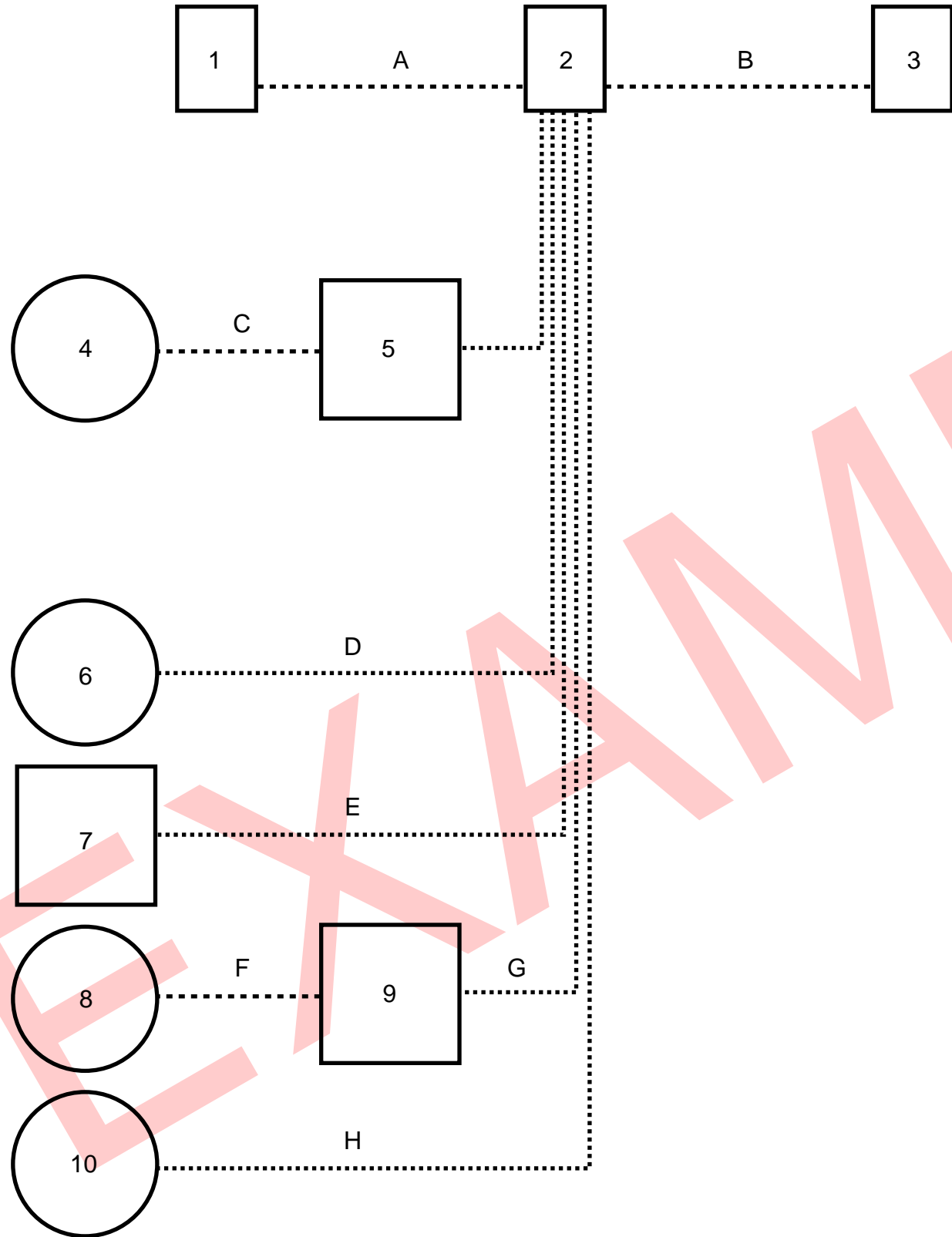
(Printed Name)

(Date)

(Date)

A person who knowingly makes a false declaration under subsection (2) is guilty of the crime of perjury by false written declaration, a felony of the third degree, punishable as provided in s. 775.082, s. 775.083, or s. 775.084.

ELECTRICAL DIAGRAM



LEGEND			
1	MAIN PANEL		
2	POOL PANEL		
3	AUTOMATION		
4	POOL PUMP		
5	TIME CLOCK		
6	BLOWER		
7	HEATER		
8	POOL LIGHT		
9	POOL LIGHT TRANSFORMER		
10	AUXILIARY PUMP		

	WIRE	CONDUIT	BREAKER
A	4 AWG	1"	80A
B*			
C	12 AWG	1/2"	20A
D	12 AWG	1/2"	20A
E	8 AWG	1/2"	50A
F	PER MANUFACTURER SPECS		
G	12 AWG	1/2"	20A
H	12 AWG	1/2"	20A



Register Design Professional
OR Electrical Contractor
Company Name & Individual
Name:

ABC-123 Electrical
John Doe

License #: 0123456789

Site Address:
12345 NW 123rd Ave
Cape Coral, FL, 12345

Plans designed to be in
compliance with NEC 2020.

NOTE:
* THIS MAY VARY, PROVIDE
SPECIFICATIONS PER INTENDED INSTALL.