

FLORIDA BUILDING CODE R4501

SPECIAL SPA REQUIREMENTS:

THE POOL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DETAIL DESIGN REQUIREMENTS FOR EACH INDIVIDUAL POOL IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AND ALL CONSTRUCTION SHALL MEET ALL APPLICABLE CODES INCLUDING PLUMBING, ELECTRICAL AND GAS. PIPING SHALL BE SCH. 40 PVC, NSF-PW, MAX. PRESSURE VELOCITY 10 FPS, SECTION 6 FPS. THE POOL PLAN SHALL SHOW THE DESIGN PLUMBING AS PER THE SAMPLE WITH THE INFORMATION REQUIRED SHOWN. MAIN DRAIN PLUMBING SHALL BE TWO DRAINS SEPARATED BY 3\"/>

GENERAL DESIGN REQUIREMENTS

-DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF ASP/ICC 3, ASP/ICC 4, ASP/ICC 5, AND ASP/ICC 6 AND ASP/ICC 7 BASED ON THE POOL TYPE.

-SEE NSF FOR DIVING WATER ENVELOPES. SLIDES SHALL MEET THE MANUFACTURE'S INSTALLATION REQUIREMENTS.

-ALL POOLS WHETHER PUBLIC OR PRIVATE SHALL BE PROVIDED WITH A LADDER OR STEPS IN THE SHALLOW END WHERE THE WATER DEPTH EXCEEDS 24 INCHES (610 MM). IN PRIVATE POOLS WHERE WATER DEPTH EXCEEDS 5 FEET (1524 MM) THERE SHALL BE LADDERS, STAIRS OR UNDERWATER BENCHES/ SWIM-OUTS IN THE DEEP END, WHERE MANUFACTURED DIVING EQUIPMENT IS TO BE USED, BENCHES OR SWIM-OUTS SHALL BE RECESSED OR LOCATED IN A CORNER.

-CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.

-THE MAXIMUM TURNOVER RATE IS 12 HOURS.

-FILTERS SHALL HAVE AN AIR RELEASE AND PRESSURE GAGE.

-PUMPS 3 HP AND LESS SHALL MEET ANSI/UL 1081 CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW.

-SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.

-APPROVED MANUFACTURED INLET FITTINGS FOR THE RETURN OF RECIRCULATED POOL WATER SHALL BE PROVIDED ON THE BASIS OF AT LEAST ONE PER 300 SQUARE FEET (28 m2) OF SURFACE AREA. SUCH INLET FITTINGS SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADEQUATE SEAL TO THE POOL STRUCTURE AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL.

-CIRCULATION PIPING, WHEN MORE THAN ONE INLET IS REQUIRED, THE SHORTEST DISTANCE BETWEEN ANY TWO REQUIRED INLETS SHALL BE AT LEAST 10 FEET (3048 MM). HEATER SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL 559.

-DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.

-PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

-RESIDENTIAL SWIMMING BARRIER REQUIREMENTS TO MEET SECTIONS 4501.17

-WASTE DISPOSAL TO COMPLY WITH SECTION 454.2.10

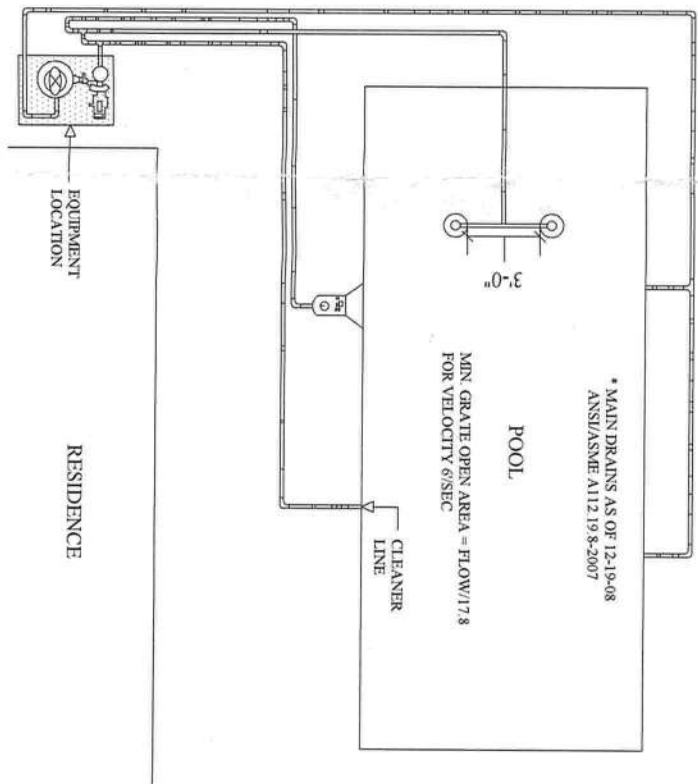
R403.10 (MANDATORY)

POOLS & PERMANENT SPA ENERGY CONSUMPTION

-THE ENERGY CONSUMPTION OF POOLS AND PERMANENT SPAS SHALL BE IN ACCORDANCE WITH SECTIONS R403.10.1 THROUGH R403.10.5.

IT HAS BEEN CERTIFIED THAT THESE DESIGN REQUIREMENTS ARE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 7TH EDITION, R4501. ANSI/APSP/ICC 3, ANSI/APSP/ICC 4, ANSI/APSP/ICC 5, AND ANSI/APSP/ICC 6 AND ANSI/APSP/ICC 7, ANSI/APSP/ICC 14, ANSI/APSP/ICC 15.

COMPLIES WITH FLORIDA BUILDING CODE, 7TH EDITION (2020)



SAMUEL A. LIBERATORE, P.E. #55740
OCTOBER 13, 2021

PAULK RESIDENCE
332 STONERIDGE DR.
LAKE CITY, FL 32024

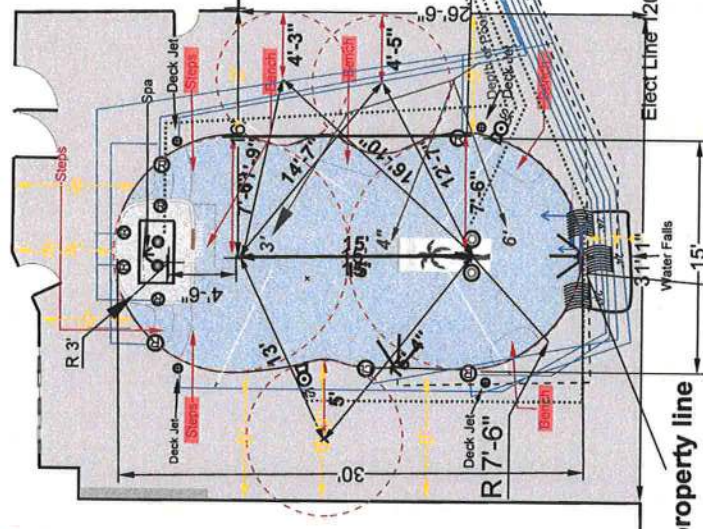
**Standard Residential Pool
and/or Spa Design**

G.B. COLLINS ENGINEERING P.A.
CERTIFICATE OF AUTHORIZATION 27934

AQUATIC ENGINEERING CONSULTANTS
300 ALTERNATE 19 NORTH, SUITE A
PALM HARBOR, FLORIDA 34683
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Residence

Township 5 South, Range 16, east 1/2 lot 9
Columbia County, Florida



Allow construction tolerance of 1'

JOB LOCATION	PLAN DETAILS	POOL DEPTHS	SPA DEPTH
Zaccheus & Jakuna Paulk 332 StoneRidge Drive Lake City, Florida, 32024	Plan Date: 10-1-2021 Revised: / / Approved: / / Plan Size: Paper: 11"x 17" Scale: 1/8"=1'	15' x 30'	4' x 6'

Designer Name: Ras La'el Bey

POOL CONSTRUCTION DETAILS

1. POOL AREA: 380 PERIMETER: 190' GALLONS: 12.5
2. POOL SIZE: 15'x30' IA: 0000 DEPTHS: 13'x4'x1'
3. WALL TYPE: Concrete FLOOR: Conc. STEPS: Conc.
4. POOL INTERIOR: Regular Plaster
5. WATERLINE TILE: 6"x6" MFR #: NPT-Style Number
6. COPING TYPE: Bullnose Color: TBD
7. DECK DRAINS: 000 Type: 000 Type
8. RAISED BM: 6'x12' 12'x18' 18'x30' 30'x36'
10. STEPS: 12 BENCHES: 12 SUNSHELFS: 2 SWIMOUT:
11. STEP RAILS: 0 LADDER: 0 BB SLEEVE: 0 UMB SLV:
12. POOL CLEANER: N/A Model: TBD
13. DECK JETS: 0 BENCH JETS: 0 BUBBLERS: 0 TBD
14. WATER FEATURES: 4-Jeck 161/3 Waterfalls
15. POOL SKIMMER: 2 RETURNS: 13 DRAINS: 12 VAC:
16. POOL FILTER: Hayward c12002 SIZE: 120
17. PUMP 1: Hayward Tristar vs 950 V-240 SPD: V-HP:
18. PUMP 2: W/Fall Model # V-240 SPD: V-HP:
19. PUMP 3: N-Edge Model # V-240 SPD: V-HP:
20. HEATER: TYPE: Electrical HP211041 BTU: 110
21. SANITIZER: SALT: 0 Ozone: 0 Other: N/A
22. POOL LIGHTS: 120v: 12 12v: 0 Type: WHT/Color/Rem
23. POOL TIMER: TYPE: N/A Remote: 0
24. OTHER AUTOMATION: N/A J.Valves: 0
25. PRE-GRADE: 0 LEAVE DIRT: 000 DIRT NEEDED: 0
26. CHILD BARRIER TYPE: TBD
27. SURVEY BY: TBD Complete: 0
28. JOB ACCESS: OPEN: 0 GATE: 0 WIDTH: 000 Remove: 0
29. HOME BUILT: 0 OCCUPIED: 0 Gate Code: 0000 PETS: 0

SPA CONSTRUCTION DETAILS

1. SPA SIZE: 4'x6' DIA: 20' DEPTH: 3.5 DAM Wall: 0
2. WALL TYPE: Conc. STEPS: 13 RAILS: 0 BENCH: 0
3. SPA INTERIOR: Same as Pool TILE: 6"x6" as pool
4. SPA COPING: Same as Pool Color: Same as Pool
5. SKIMMER: 0 RETURNS: 0 DRAINS: 2 JETS: 4 IVAC: 1
6. SPA FILTER: Same Model # V-240 SPD: V-HP: 0
7. SPA PUMP: Same Model # V-240 SPD: V-HP: 0
8. SPA HEATER: Same Model # BTU: 0000
9. SANITIZER: SALT: 0 Ozone: 0 Other: N/A
10. SPA LIGHT: 120v: 1 12v: 0 Type: WHT/Color/Rem
11. SPA TIMER: TYPE: N/A Remote: 0
12. OTHER AUTOMATION: N/A J.Valves: 0

JOB DIRECTIONS

- 1). Head North on - Heremando Ave toward Ne Justice St
- 2). Turn Left onto - Madison St.
- 3). Road name changes- to NW Madison St.
- 4). Turn Left onto - Us-41 S / FL-100 / FL-25 / Nw Main Blvd
- 5). Bear Right onto - FL-47 / SW State Road 47
- 6). Turn Left onto - SW Water Ave
- 7). Turn left onto - StoneRidge

SYMBOL LEGEND	
⊕	= Return
⊖	= Drain
⊙	= Skimmer
⊗	= Jet
⊘	= Vac
⊙	= Bubbler
⊙	= Waterfall
⊙	= Makeup Water
⊙	= Pump
⊙	= Filter Equip.
⊙	= Heater
⊙	= Electrical Outlet
⊙	= Light
⊙	= Electrical panel
⊙	= Sub panel
⊙	= Control Panel
⊙	= Gas Meter
⊙	= Water Meter
⊙	= Bio

8'
Scale 1/8" = 1'
Plan 11"x17"