

Mission:

To protect, promote, and improve the health of all people in Florida through integrated state, county, and community efforts.

**Ron DeSantis**

Governor

Joseph A. Ladapo, MD, PhD

State Surgeon General

Vision: To be the **Healthiest State** in the Nation

June 11, 2024

Facility Name:	Dreamin N Driftin RV Amenity Pool (12-60-2897593)		
Facility Address:	8883 Highway 90W – Lake City, FL 32055		
Applicant Name:	Dreamin N Driftin RV Resort, Paula Miller		
Applicant Address:	8883 W US Highway 90, Lake City, FL 32055		
Public Pool Permit Application received on:	5/6/2024	Pool ☒	Spa ☐ IWF ☐ Other ☐

RE: Public Pool Plans Compliance with Critical Health and Safety checklist

Dear Applicant:

Review of the submitted operation permit application revealed: **Compliance** ☒, Non-Compliance ☐, with the following items included in the enclosed Critical Health and Safety checklist:

Please see enclosed checklist, all items marked N and highlighted must be addressed or corrected to pass final DOH construction operation permit inspection.

Any changes to application and/or plans made after they are deemed compliant by the Florida Department of Health and approved by the jurisdictional building department will require submittal of the revised plans and application for approval by both Departments.

At least two weeks prior to the estimated date that the pool will be ready for the construction inspection, the pool contractor must contact the DOH-Regional contact at DOHPoolTeam@flhealth.gov to schedule the initial inspection. Prior to issuing your operating permit, the local county Health Department will require:

1. A set of plans and specifications as approved for construction by the local building authority as well as a copy of DH 4159 and DH 4157 for each body of water.
2. A copy of the final inspection from the local building authority as defined in Section 553.79(11), Florida Statutes.
3. The annual operating permit fee.

Any Critical Health and Safety Code inconsistencies found at the time of final inspection will prevent issuance of operating permit by the Florida Department of Health. Thank you for your cooperation in this matter. Please contact our team at DOHPoolTeam@flhealth.gov with any questions you may have.

Sincerely,

Adam Flanery
Environmental Health Program Consultant
Bureau of Environmental Health, Water Programs

Florida Department of Health

Division of Disease Control and Health Protection
Bureau of Environmental Public Health
4052 Bald Cypress Way, Bin A-08 • Tallahassee, FL 32399
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FloridaHealth.gov

Accredited Health Department
Public Health Accreditation Board

cc: DOHPoolTeam@flhealth.gov; Terrance.Marsh@flhealth.gov; Bob.Vincent@flhealth.gov; adam.flanery@flhealth.gov; christopher.robbs@flhealth.gov; Sean.Havens@flhealth.gov; Paul.Muller@flhealth.gov; Sallie.Ford@flhealth.gov; bldginfo@columbiacountyfla.com; ashley.qualitypools@gmail.com; paulalynnettemiller@gmail.com; sam@gardnercollins.com;

**PLANS REVIEW CHECKLIST – PUBLIC SWIMMING POOL – DOH/FBC, 8th VERSION (2023) EFFECTIVE 1.1.2024
(REVISED MAY 1, 2024)**

Project:	Dreamin N Driftn RV Amenity Pool	County:	Columbia	Date:	6/11/2024
Permit #:	12-60-2897593		Original ☒	Revision ☐	Modification ☐
Engineer:	Samuel Liberatore – G.B. Collins	Reviewed by:	T. Marsh, S. Sombutmai, A. Flanery, C. Robbins		

Items needing correction or clarification are marked by an "N" beside the appropriate section number of the Florida Administrative Code citation (Current 64E-9, FAC, or current FBC 454.1). We have left the 64E-9 requirements in this checklist because they are critical for public health and therefore the pool will be checked for these items by the County Health Department at the first operating permit inspection after the Building Official's approval of the construction.

COMPLIANCE:	FLORIDA BUILDING CODE, FLORIDA STATUTES, OR FLORIDA ADMINISTRATIVE CODE:	DETAILS:
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SUBMITTAL REQUIREMENTS

Y ☒ N ☐ N/A ☐	514.031(1)(a)	Plans review fees received as required by Florida Statute 514.031(1)(a)
Y ☒ N ☐ N/A ☐	514.031(1)(a)	A current version of application (DH 4159) for approval of swimming pool plans received.
Y ☒ N ☐ N/A ☐	514.031(1)(a)	A set of construction plans that include the following: 1. A description of the structure, its appurtenances, and its operation. 2. A description of the source or sources of water supply, and the amount and quality of water available and intended to be used. 3. The method and manner of water purification, treatment, disinfection, and heating. 4. The safety equipment and standards to be used. 5. A copy of the final inspection from the local enforcement agency as defined in s. 553.71. 6. Any other pertinent information deemed necessary by the department.

SIZING REQUIREMENTS

REFERENCE	454.1.1.1	The public pools provided at a transient facility shall have a minimum 6 square feet (0.56 m ²) of surface area and a minimum of 1 gallon per minute (0.063 L/s) of recirculation flow per living unit. The public pools provided at non-transient facilities shall have a minimum of 4.5 square feet (0.42 m ²) of surface area and a minimum of 0.75 gallon per minute (0.047 L/s) of recirculation flow per living unit. Recreational vehicle sites, campsites and boat slips designated for liveaboards shall be considered a transient living unit. For properties with multiple pools, this requirement includes the cumulative total surface area and recirculation rate of all swimming pools, spas, wading pools and interactive water features. If the only pools at a facility are spa pools or interactive water features, this requirement does not apply. The bathing load for conventional swimming pools, wading pools, interactive water features, water activity pools and special purpose pools shall be computed on the basis of one person per 5 gpm (0.32 L/s) of recirculation flow. The bathing load for spa type pools shall be based on one person per each 10 square feet (0.9 m ²) of surface area. <u>All other types of projects</u> shall be sized according to the anticipated bathing load and proposed uses.
Y ☒ N ☐ N/A ☐	454.1.1.1 Transient	Transient Calculations: # of Living Units x 6 square feet surface area <u>and</u> 1 gallon per minute per unit. (For All Pools, Spas, Etc. Combined) Required Bather Load = Total recirculated rate ÷ 5 Gallons Per Minute = Bather load (For All Pools, Spas, Etc. Combined) Required Spa Bather Load = Surface area ÷ 10 (For only Spa pools) 100 UNITS X 6 SQ.FT. = 600 SQ.FT. SURFACE AREA REQUIRED, 1,000 SQ.FT. PROVIDED 100 UNITS X 1.0GPM = 100GPM REQUIRED, 150GPM PROVIDED
Y ☒ N ☐ N/A ☐	454.1.1.1	Bathing load: The bathing load is computed on the basis of 1 person per each 5 gpm of water recirculated. 150GPM ÷ 5 = 30 BATHERS

CONSTRUCTION STANDARDS

Y ☒ N ☐ N/A ☐	454.1.2.1	Pools shall be constructed of concrete or other impervious and structurally rigid material. All pools shall be watertight, shall be free from structural cracks and shall have a nontoxic smooth and slip-resistant finish. All elevated pools constructed of concrete shall have waterproofing integral to the mix, or applied over the surface prior to the final surface application. All materials shall be installed in accordance with manufacturer's specifications unless such specifications violate Chapter 64E-9, Florida Administrative Code, rule requirements or the approval criteria of NSF/ANSI Standard 50 or NSF/ANSI Standard 60. SHEET SP-2, MATERIALS SPECIFICATIONS - STEEL
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Project:	Dreamin N Driftin RV Amenity Pool		Date:	6/11/2024
Y☒N□N/A□	454.1.2.4	Pool floors and walls shall be white or light pastel in color and shall have the characteristic of reflecting rather than absorbing light. The interior finish coating floors and walls shall be comprised of a non-pigmented white cementitious binder component together with a sand/aggregate component. The finish coating shall have a dry lightness level (CIE L value) of 80.0 or greater and a wet luminous reflectance value (CIE Y value) of 50.0 or greater, as determined by test results provided by the manufacturer, utilizing testing methodology from American Standard ASTM D4086, ASTM E1477, ASTM E1347. Pools constructed of fiberglass, thermoplastic, or stainless steel shall be subject to the same interior finish color requirements. SHEET SP-2, MATERIALS SPECIFICATIONS - FINISH		
Y☒N□N/A□	454.1.2.1(a)	Horizontal tile used in less than 3 feet (914 mm) of water must be slip resistant. (FBC Definitions: "Slip resistant" means having a textured surface which is not conducive to slipping under contact of bare feet unlike glazed tile or masonry terrazzo and non-textured plastic materials. Manufactured surface products shall be designated by the manufacturer as suitable for walking surfaces in wet areas.) SHEET SP-2, GENERAL NOTES #45		
Y☒N□N/A□	454.1.6.5.3.2.5 & 454.1.6.5.3.1.3	A minimum 6-inch (152 mm) water line tile shall be provided on all pools with automatic skimmer systems, each a minimum size of 1 inch (25 mm) on all sides. Glazed tile that is smooth and easily cleanable shall be utilized. SHEET SP-5, FLOOR/WALL SECTION		
ENSURE IF APPLICABLE	454.1.2.1(b)(c)	One-inch (25 mm) square tile may be used if the manufacturer has specified the adhesive for use underwater to adhere the type of tile used [vitreous (glass) or ceramic]. Tiles shall not have sharp edges exposed that could cause bather injury. The grout line is allowed to be included when meeting the 1-inch (25 mm) square tile requirements, if the tile is sold and distributed as nominal or trade size tile.		
DIMENSION STANDARDS				
Y☒N□N/A□	454.1.2.2.2	All pool walls shall have a clearance of 15 feet (4,572 mm) perpendicular to the edge (as measured at design water level from gutter lip to gutter lip, or on skimmer pools, from vertical wall to vertical wall). Offset steps, spa pools and wading pools are exempt from this clearance requirement. (FBC Definitions: "Offset" means set back into the deck from the normal pool wall perimeter [three sides must be surrounded by pool deck].) Where interior steps or a sun shelf protrude into the pool, the remaining width from the junction of the step or shelf riser and the floor to the opposite wall shall be 10 feet (3048 mm) or more. SHEET SP-4, POOL LAYOUT PLAN		
Y☒N□N/A□	454.1.2.2.2	The upper part of pool walls in areas 5 feet (1524 mm) deep or less shall be within 5 degrees vertical for a minimum depth of 2½ feet (762 mm) from which point the wall may join the floor with a maximum radius equal to the difference between the pool depth and 2½ feet. The upper part of pool walls in areas over 5 feet (1,524 mm) deep shall be within 5 degrees vertical for a minimum depth equal to the pool water depth minus 2½ feet (762 mm) from which point the wall may join the floor with a maximum radius of 2½ feet (762 mm). SHEET SP-6, TRANSVERSE POOL SECTION, DEEP & SHALLOW PORTION		
Y☒N□N/A□	454.1.2.2.2	Corners shall be a minimum 90-degree angle. (Internal angle) ENSURE COMPLIANCE		
Y☒N□N/A□	454.1.2.2.2	The corner intersections of walls which protrude or angle into the pool water area shall be rounded with a minimum radius of 2 inches (51 mm). This radius shall be continued through the top of the gutter edge; chamfering is allowed. SHEET SP-4, POOL LAYOUT PLAN, LEGEND CHART NOTES #2		
Y☒N□N/A□	454.1.2.2.2 & 454.1.3.2	Pool coping shall not overhang into the pool more than 1½ inches (38 mm). SHEET SP-5, DEPTH MARKER DETAILS		
NOTE:	454.1.2.2.3	The radius of curvature between the floor and walls is excluded from the following two requirements (454.1.2.2.3.1 & 454.1.2.2.3.2). Multiple floor levels in pools are prohibited, however, an area meeting all of the requirements of a sun shelf shall not be considered a violation of this requirement.		
Y☒N□N/A□	454.1.2.2.3.1	Floor slope shall be uniform. The floor slope shall be a maximum 1 unit vertical in 10 units horizontal in areas 5 feet (1,524 mm) deep or less. SHEET SP-6, POOL SECTION A-A. (1:23)		
MARKINGS				
Y☒N□N/A□	454.1.2.3.1(1)	The minimum water depth shall be 3 feet (914 mm), except in sun shelves, wading pools, water-activity pools, spas and zero entry areas. SHEET SP-4, POOL LAYOUT PLAN		
Y☒N□N/A□	454.1.2.3.1(2)	Permanent depth markings followed by the appropriate full or abbreviated words "FEET," "FT," or "INCHES," "IN," shall be installed in minimum 4-inch-high (102 mm) numbers and letters on a contrasting background. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3		

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Project:	Dreamin N Driftin RV Amenity Pool	Date:	6/11/2024
Y ☒ N ☐ N/A ☐	454.1.2.3.1(2)	Depth markers shall indicate actual depth within 3 inches (76 mm). *Measured at normal operating water level when measured 3 feet (914 mm) from the pool wall. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #44	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(3)	At a minimum, the markings shall be located on both sides of the pool at the shallow end, slope break, deep-end wall and deep point (if located more than 5 feet (1524 mm) from the deep-end wall). SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(3)	Depth markings are legible from inside the pool and also from the pool deck. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(3)	Maximum perimeter distance between depth markings is 25 feet (7620 mm). Pool size and geometry may necessitate additional depth marking placements about all sides of the pool to meet this requirement. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(4)	When a pool curb is not provided, the depth markings shall be installed on the inside vertical wall at, or above, the water level and on the edge of the deck within 2 feet (610mm) of the pool water. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(6)	In areas not part of an approved diving bowl, tile "NO DIVING" markings are on the curb top or deck within 2 feet (610 mm) of water edge on each side of pool with a maximum distance between markings of 25 feet (7620 mm). SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(6)	The "NO DIVING" markings are at least 4-inch high (102 mm) high and contrasting; or a 6-inch (152 mm) tile with min. 4-inch (102 mm) or larger red international "NO DIVING" symbol. ("NO DIVING" markings are not required within the swimming pool) SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(7)	All markings installed on horizontal surfaces have a slip-resistant finish. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	454.1.2.3.1(7)	All markings shall be tile. Markings shall be flush with the surrounding area where placed and recessed if necessary to provide a smooth finish that will avoid creation of an injury hazard to bathers. SHEET SP-4, POOL PLUMBING PLAN, SHEET SP-5, DEPTH MARKER DETAILS AND SHEET SP-2, GENERAL NOTES #2 & #3	
Y ☒ N ☐ N/A ☐	64E-9.008(9)(a)	The bathing load will be posted at the pool as required in the bathing rules. SHEET SP-3, SITE PLAN	
Y ☒ N ☐ N/A ☐	454.1.2.3.5	The lettering for the pool rules sign is at least 1-inch high (25.4 mm). SHEET SP-2, POOL RULES SIGN DETAILS	
Y ☒ N ☐ N/A ☐	454.1.2.3.5 & 64E-9.004	The following rules in BOLD will be posted at or near poolside and will be legible from pool deck: NO FOOD OR BEVERAGES IN THE POOL OR ON POOL WET DECK. COMMERCIAL BOTTLED WATER IN PLASTIC BOTTLES IS ALLOWED ON THE POOL WET DECK FOR POOL PATRON HYDRATION. <u>Exception: Food and beverages served in accordance with swim-up bar requirements found in Department of Health (DOH) rule 64E-9.004 Florida Administrative Code</u> FOOD AND DRINK ARE CONSUMED IN THIS POOL. ALL DRINKS SHALL BE IN PLASTIC OR ALUMINUM CONTAINERS NO GLASS OR ANIMALS IN THE FENCED POOL AREA (OR 50 FEET (15,240 mm) FROM UNFENCED POOL). <u>Exception: Service animals as defined in s. 413.08, F.S. All animals are prohibited to enter the pool water or onto the drained area of an interactive water feature</u> BATHING LOAD: 30 PERSONS. POOL HOURS: DAWN A.M. TO DUSK P.M. (DAWN TO DUSK is approved for pool hours if the pool is not certified for night usage) SHOWER BEFORE ENTERING.	

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		6. “NO DIVING”, in 4-inch (102 mm) letters is required for pools of 200 square feet (18.58 m²) in area or greater without an approved diving well configuration. 7. DO NOT SWALLOW THE POOL WATER. (This statement shall be added to signs at pools that conduct alterations as that term is defined) 8. “POOL MAXIMUM DEPTH: 5 FEET 0 INCHES, in 2-inch (51 mm) letters SHEET SP-2, POOL RULES SIGN DETAILS
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ACCESS

Y ☒ N ☐ N/A ☐	454.1.2.5	All pools shall have a means of access every 75 feet (22 860 mm) of pool perimeter with a minimum of two, located so as to serve both ends of the pool, except for swimming pools with eight (8) or more lap lanes, which shall have means of access every 90 feet (27 432 mm) of pool perimeter in the lap lane area. In addition, an access point shall be provided at the deep portion, if the deep portion is not at one end of the pool. SHEET SP-4, POOL LAYOUT PLAN
Y ☒ N ☐ N/A ☐	454.1.2.5.1	Ladders shall be of the cross braced type and shall be constructed of corrosion-resistant materials and be securely anchored into the pool deck. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-5, LADDER DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.1	Clearance between the ladder and pool wall shall be between 3 to 6 inches (76 mm to 152 mm). SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-5, LADDER DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.1	Ladders shall extend at least 28 inches (711 mm) and no more than 40 inches (1,016 mm) above the pool deck SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-5, LADDER DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.1	Ladder bottom braces shall have impact end caps or bumpers that rest firmly against the pool wall. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-5, LADDER DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.1	The top rung of the ladder shall be at, or below, the water level on open gutter pools and not more than 12 inches (305 mm) below the deck or curb top on all other type pools. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-5, LADDER DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.3	Stairs shall have a minimum tread width of 10 inches (254 mm) and a maximum width of 48 inches (1,219 mm) for a minimum tread length of 24 inches (610 mm) and a maximum riser height of 10 inches (254 mm). SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-6, STEP & RAIL DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.3	Treads and risers between the top and bottom treads shall be uniform to within ½ inch (12.7 mm) in width and height. The riser heights shall be measured at the marked step edges and the differences in elevation shall be considered the riser heights. (Exception: Where a gutter is used as a top step, the gutter's 2 inch slope from lip to the drain shall be continuous for the full length of the stairs, and the riser from the gutter to the next tread need not be uniform with the remaining risers and treads.) SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-6, STEP & RAIL DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.3	The front ¾ to 2 inches (19.1 mm to 51 mm) of the tread and the top 2 inches (51 mm) of the riser shall be tile, dark in color, contrasting with the interior of the pool. Tile shall be slip resistant. Bullnose tile that is slip resistant may be used when the ¾-inch (19 mm) segment is placed on the tread or horizontal surface and the 2-inch (51 mm) segment is placed on the riser or vertical surface. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-6, STEP & RAIL DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.5	Handrail(s) for the stairs are correct length to mount in deck and bottom step. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-6, STEP & RAIL DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.5	Handrails and grabrails shall extend between 28 and 40 inches (711 mm and 1016 mm) above the step edge and deck. SHEET SP-4, POOL LAYOUT PLAN AND SHEET SP-6, STEP & RAIL DETAILS
Y ☒ N ☐ N/A ☐	454.1.2.5.6	Permanent or portable steps, ramps, handrails, lifts or other devices designed to accommodate handicapped individuals in swimming pools may be provided. Excluding all ADA pool access area(s) and their clear deck area(s), the height of the pool wall above wet deck around the remainder of pool perimeter shall comply with Sections 454.1.3.1.2 or 454.1.8.5. If provided, lifts mounted into the pool deck shall have a minimum 4-foot-wide (1,219 mm) deck behind the lift mount. SHEET SP-3, SITE PLAN AND SHEET SP-6, ADA LIFT DETAILS

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Y ☒ N ☐ N/A ☐	454.1.2.6	The pool water area shall be unobstructed by any type structure unless justified by engineering design as a part of the recirculation system. Engineering design and material specifications shall show that such structures will not endanger the pool patron, can be maintained in a sanitary condition and will not create a problem for sanitary maintenance of any part of the pool, pool water, or pool facilities. Structures in accord with the above shall not be located in a diving bowl area or within 15 feet (4572 mm) of any pool wall. NOTE: Stairs, ladders and ramps, necessary for entrance/exit from the pool are not considered obstructions. SHEET SP-3, SITE PLAN
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POOL APPURTENANCES		
Y ☒ N ☐ N/A ☐	454.1.3.1.1	Pool wet decks shall be constructed of concrete or other nonabsorbent material having a smooth slip resistant finish. Wet deck area finishes shall be designed for such use and shall be installed in accordance with the manufacturer's specifications. Wooden decks and walkways are prohibited. SHEET SP-5, WALL & FLOOR SECTION, NON-SLIP, IMPERVIOUS PAVER DECK
Y ☒ N ☐ N/A ☐	454.1.3.1.2	Pool wet decks shall be uniformly sloped away from the pool or to deck drains to prevent standing water. SHEET SP-3, SITE PLAN NOTES #10
Y ☒ N ☐ N/A ☐	454.1.3.1.2	The minimum slope for the wet deck is 2 percent, but in the portions of the deck intended to be accessible to disabled persons, it maybe 1 percent less than the maximum allowable cross slope given by the <i>Florida Building Code, Accessibility</i> . The maximum slope is 4 percent. A minimum of 1 percent deck slope is allowable for paver type decks. SHEET SP-3, SITE PLAN NOTES #10
Y ☒ N ☐ N/A ☐	454.1.3.1.2	Textured deck finishes that provide pitting and crevices of more than 3/16 inch (4.8 mm) deep that accumulate soil are prohibited. SHEET SP-2, GENERAL NOTES #35
Y ☒ N ☐ N/A ☐	454.1.3.1.2	If settling or weathering occurs that would cause standing water, the original slopes shall be restored, or corrective drains installed. SHEET SP-5, WALL & FLOOR SECTION - NOTE
Y ☒ N ☐ N/A ☐	454.1.3.1.3	Pool wet decks shall have a minimum unobstructed width of 4 feet (1219 mm) around the perimeter of the pool, pool curb, ladders, handrails, diving boards, diving towers and slides. SHEET SP-3, SITE PLAN NOTES #11
Y ☒ N ☐ N/A ☐	454.1.3.1.5	Walkways shall be provided between the pool and the sanitary facilities and shall be constructed of concrete or other nonabsorbent material having a smooth slip resistant finish for the first 15 feet (4572 mm) of the walkway measured from the nearest pool water's edge. SHEET SP-2, GENERAL NOTES #11
Y ☒ N ☐ N/A ☐	454.1.3.1.5	A hose bibb with a vacuum breaker shall be provided to allow the deck to be washed down with potable water. SHEET SP-3, SITE PLAN AND SITE PLAN NOTES #2
Y ☒ N ☐ N/A ☐	454.1.3.1.7	Food or drink service facilities shall not be located within 12 feet (3658 mm) of the water's edge. Exception: Food and beverages service facilities complying with Section 454.1.9.9. SHEET SP-2, GENERAL NOTES #10
Y ☒ N ☐ N/A ☐	454.1.3.1.8	The vertical clearance above the pool deck shall be at least 7 feet (2137 mm). SHEET SP-2, GENERAL NOTES #9

FENCE/BARRIER		
Y ☒ N ☐ N/A ☐	454.1.3.1.9	All public pools shall be surrounded by a minimum 48 inch (1219 mm) high fence or other approved substantial barrier. The fence shall be continuous around the perimeter of the pool area that is not otherwise blocked or obstructed by adjacent buildings or structures and shall adjoin with itself or abut to the adjacent members. Fencing consideration shall be given to the U.S. Consumer Product Safety Commission (CPSC) Publication, No. 362, March 2005, guidelines available from CPSC.gov; or Sections 454.2.17.1.1 through 454.2.17.1.8. Safety covers that comply with ASTM F1346-91 (Reapproved 2003), titled Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs, and available from ASTM.org, do not satisfy this requirement. SHEET SP-3 SITE PLAN AND GATE DETAILS AND SHEET SP-2, FENCE NOTES
Y ☒ N ☐ N/A ☐	454.1.3.1.9	If the self-closing, self-latching gate is also self-locking and is operated by a key lock, electronic opener or integral combination lock, then the operable parts of such locks or openers shall be 34 inches minimum (864 mm) and 48 inches maximum (1219 mm) above the finished floor or ground. SHEET SP-3 SITE PLAN AND GATE DETAILS AND SHEET SP-2, FENCE NOTES
Y ☒ N ☐ N/A ☐	454.1.3.1.9	Gates shall open outward away from the pool area. SHEET SP-3 SITE PLAN AND GATE DETAILS AND SHEET SP-2, FENCE NOTES

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Y ☒ N ☐ N/A ☐	454.1.3.3.1; & 64E-9(3)(b)(c)(d)	All swimming pools shall be installed with a shepherd's hook securely attached to a one piece pole not less than 16 feet (4880 mm) in length, and at least one 16-24 inch (408 mm – 610 mm) diameter lifesaving ring, approved or certified under a nationally recognized water safety device standard, with sufficient rope attached to reach all parts of the pool from the pool deck. SHEET SP-2, GENERAL NOTES #34
Y ☒ N ☐ N/A ☐	454.1.3.3.1; & 64E-9.008(3)(d)	Safety equipment shall be mounted in a conspicuous place and be readily available for use. SHEET SP-3 SITE PLAN
Y ☒ N ☐ N/A ☐	454.1.3.3.4	A room or space shall be provided for chemicals to be stored, and the area shall be inaccessible to the public. SHEET SP-2, GENERAL NOTES #14
Y ☐ N ☐ N/A ☐	454.1.4.1	Electrical equipment wiring and installation, including the bonding and grounding of pool components shall comply with Chapter 27 of the Florida Building Code, Building. Outlets supplying pool pump motors connected to single phase 120-volt through 240-volt branch circuits, whether by receptacle or by direct connection, and outlets supplying other electrical equipment and underwater luminaires operating at voltages greater than the low voltage contact limit, connected to single phase, 120-volt through 240-volt branch circuits, rated 15 or 20 amperes, whether by receptacle or by direct connection, shall be provided with ground fault circuit interrupter protection for personnel. *TO BE REVIEWED BY BUILDING DEPT.

LIGHTING

Y ☐ N ☐ N/A ☒	454.1.4.2	Artificial lighting shall be provided at all swimming pools which are to be used at night or which do not have adequate natural lighting so that all portions of the pool, including the bottom, may be readily seen without glare. DH4159 PERMIT APPLICATION INDICATES NO NIGHTTIME SWIMMING
Y ☐ N ☐ N/A ☒	454.1.4.2.1	Outdoor pool lighting: Lighting shall provide a minimum of 3 footcandles (30 lux) of illumination at the pool water surface and the pool wet deck surface. Underwater lighting shall be a minimum of ½ watt incandescent, LED equivalent, or 10 lumens, per square foot of pool water surface area. DH4159 PERMIT APPLICATION INDICATES NO NIGHTTIME SWIMMING
Y ☐ N ☐ N/A ☐	424.1.4.2.3	Underwater lighting: Underwater luminaires shall comply with Chapter 27 of the Florida Building Code, Building. *TO BE REVIEWED BY BUILDING DEPT.
Y ☐ N ☐ N/A ☒	454.1.4.2.3	The location of the underwater luminaires shall be such that the underwater illumination is as uniform as possible. DH4159 PERMIT APPLICATION INDICATES NO NIGHTTIME SWIMMING, (2) LIGHTS SHOWN INSTALLED, (FUTURE USE AFTER LIGHTING CERTIFICATION)
Y ☐ N ☐ N/A ☒	454.1.4.2.3	Underwater lighting requirements can be waived when the overhead lighting provides at least 15 foot-candles (150 lux) of illumination at the pool water surface and pool wet deck surface. DH4159 PERMIT APPLICATION INDICATES NO NIGHTTIME SWIMMING
Y ☒ N ☐ N/A ☐	454.1.4.2.3	If signage clearly indicates that night swimming is prohibited, underwater lights supplying less than minimum illumination required for night swimming may be installed for safety and decorative purposes. Nothing in this section exempts swimming pools located in coastal areas, as specified in Section 3109 of the <i>Florida Building Commission</i> code. ENSURE COMPLIANCE, IF APPLICABLE
Y ☒ N ☐ N/A ☐	454.1.4.2.4	Overhead wiring. Overhead service wiring shall not pass within an area extending a distance of 10 feet (3048 mm) horizontally away from the inside edge of the pool walls, diving structures, observation stands, towers or platforms. Allowances for overhead conductor clearances to pools that meet the safety standards in the <i>National Electrical Code</i> may be used instead. Electrical equipment wiring and installation including the grounding of pool components shall comply with Chapter 27. SHEET SP-2, GENERAL NOTES #5
Y ☐ N ☐ N/A ☐	454.1.4.2.5	Voltage limitation. Underwater lighting, or lighting that may be exposed to nozzle directed pool water, shall not exceed 30 volts DC or 15 volts AC. Such lights shall be installed in accordance with manufacturer's specifications and approved for such use by UL or NSF. *TO BE REVIEWED BY BUILDING DEPT.

EQUIPMENT AREA

Y ☒ N ☐ N/A ☐	454.1.5.1	Equipment designated by the manufacturer for outdoor use may be located in an equipment area, all other equipment must be located in an equipment room or enclosure. SHEET SP-3, SITE PLAN, EQUIPMENT AREA
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Y ☒ N ☐ N/A ☐	454.1.5.1	An equipment area shall be surrounded with a fence at least 4 feet (1219 mm) high on all sides not confined by a building or equivalent structure. A self-closing and self-latching gate with a permanent locking device shall be provided if necessary, for access. An equipment room shall be protected on at least three sides and overhead. Any fence or gate installed shall use members spacing that shall not allow passage of a 4-inch (102 mm) diameter sphere. The fourth side may be a gate, fence, or open if otherwise protected from unauthorized access. SHEET SP-3, SITE PLAN, EQUIPMENT AREA
Y ☒ N ☐ N/A ☐	454.1.5.1	An equipment enclosure shall be lockable or otherwise protected from unauthorized access. SHEET SP-2, GENERAL NOTES #22
Y ☒ N ☐ N/A ☐	454.1.3.1.9	A latched, lockable gate shall be placed in the fence within 10 feet (3048 mm) of the closest point between the pool and the equipment area for service access. SHEET SP-2, GENERAL NOTES #37
Y ☒ N ☐ N/A ☐	454.1.5.3	The equipment enclosure, area or room floor shall be of concrete or other nonabsorbent material having a smooth slip resistant finish and shall have positive drainage, including a sump pump, if necessary SHEET SP-2, GENERAL NOTES #29
Y ☒ N ☐ N/A ☐	454.1.5.4	Equipment rooms shall have either forced draft or cross ventilation. SHEET SP-2, GENERAL NOTES #30
Y ☒ N ☐ N/A ☐	454.1.5.5	The opening to an equipment room or area shall be a minimum 3 feet by 6 feet (914 mm by 1829 mm) and shall provide easy access to the equipment. SHEET SP-3, SITE PLAN, EQUIPMENT AREA
Y ☒ N ☐ N/A ☐	454.1.5.6	The size of the equipment enclosure, room or area shall provide working space to perform routine operations. SHEET SP-2, GENERAL NOTES #38
Y ☒ N ☐ N/A ☐	454.1.5.6	Clearance shall be provided for all equipment as prescribed by the manufacturer to allow normal maintenance operation and removal without disturbing other piping or equipment. SHEET SP-2, GENERAL NOTES #38
Y ☒ N ☐ N/A ☐	454.1.5.7	The equipment room is lighted to provide a minimum 30 fc (300 lux) of illumination at floor level. SHEET SP-2, GENERAL NOTES #13
Y ☒ N ☐ N/A ☐	454.1.5.8	Equipment enclosures, rooms or areas shall not be used for storage of chemicals emitting corrosive fumes or for storage of other items to the extent that entrance to the room for inspection or operation of the equipment is impaired. SHEET SP-2, GENERAL NOTES #32
Y ☒ N ☐ N/A ☐	454.1.5.9	A hose bibb with vacuum breaker shall be located in the equipment room or area. SHEET SP-3, SITE PLAN, EQUIPMENT AREA NOTES

SANITARY FACILITIES

Y☒N□N/A□	454.1.6.1	Sanitary facilities: Restrooms shall include a water closet, a diaper change table and a lavatory. The entry doors of all restrooms shall be located within a 200-foot (60 960 mm) walking distance of the nearest water's edge of each pool served by the facilities. (Swim diapers are recommended for use by children that are not toilet trained. Persons that are ill with diarrhea cannot enter the pool.) Exception: Where a swimming pool serves only a designated group of residential dwelling units including hotel rooms and not the general public, poolside sanitary facilities are not required if all living units are within a 200-foot (60 960 mm) horizontal radius of the nearest water's edge, are not over three stories in height unless serviced by an elevator, and are each equipped with private sanitary facilities. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																																			
Y☒N□N/A□	454.1.6.1.1	Sanitary facilities: Fixtures shall be provided as indicated on Table 454.1.6.1. rounded up to the next whole number. The fixture count on this chart is deemed to be adequate for the pool and pool deck area that is up to three times the area of the pool surface provided. (PS) 1,000 SQ.FT. + (DECK) 1,680 SQ.FT. = 2,680 SQ.FT. – (PS) 1,000 SQ.FT. X (3) = 3,000 SQ.FT.																																			
Y☒N□N/A□	454.1.6.1.1	<table><tr><th colspan="5">TABLE 454.1.6.1</th></tr><tr><th colspan="5">PUBLIC SWIMMING POOL—REQUIRED FIXTURE COUNT PER SQUARE FOOT OF POOL SURFACE</th></tr><tr><th>SIZE OF POOL (square feet)</th><th colspan="2">MEN'S RESTROOM</th><th colspan="2">WOMEN'S RESTROOM</th></tr><tr><th>For SI: 1 FT² = 0.0929 m².</th><th>WC</th><th>Lavatory</th><th>WC</th><th>Lavatory</th></tr><tr><td>→ 0 – 1,250</td><td>1</td><td>1</td><td>1</td><td>1</td></tr><tr><td>1,251 – 2,500</td><td>1</td><td>1</td><td>2</td><td>1</td></tr><tr><td>2501 – 3,750</td><td>2</td><td>1</td><td>3</td><td>1</td></tr></table> POOL SURFACE AREA = 1,000 SQ.FT. ENSURE	TABLE 454.1.6.1					PUBLIC SWIMMING POOL—REQUIRED FIXTURE COUNT PER SQUARE FOOT OF POOL SURFACE					SIZE OF POOL (square feet)	MEN'S RESTROOM		WOMEN'S RESTROOM		For SI: 1 FT² = 0.0929 m².	WC	Lavatory	WC	Lavatory	→ 0 – 1,250	1	1	1	1	1,251 – 2,500	1	1	2	1	2501 – 3,750	2	1	3	1
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3,751 – 5,000	2	1	4	1																							
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7,501 – 8,750	4	2	7	2																							
8,751 – 10,000	4	2	8	2																							
NOTE:	454.1.6.1.1	Exception: When a public swimming pool meets all of the following conditions the following shall apply: 1. The pool serves only a designated group of dwelling units, 2. The pool is not for the use of the general public, and 3. A building provides sanitary facilities; The fixture requirement for the building shall be determined and if it exceeds the requirement in Table 454.1.6.1 then the building requirement shall regulate the fixture count, otherwise the fixture count shall be based on the requirement for the pool. Under no circumstances shall the fixture counts be cumulative.																									
Y☑N□N/A□	454.1.6.1.1	Sanitary facilities: One diaper changing table shall be provided at each restroom. Diaper changing tables are not required at restrooms where all pools served are restricted to adult use only. (Swim diapers are recommended for use by children that are not toilet trained. Persons that are ill with diarrhea cannot enter the pool.) SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.2	Sanitary facilities: Outside access to facilities shall be provided for bathers at outdoor pools. Where the restrooms are located within an adjacent building and the restroom doors do not open to the outside, the restroom doors shall be within 50 feet (15 240 mm) of the building's exterior door. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.2	Sanitary facilities: If the restrooms are not visible from any portion of the pool deck, signs shall be posted showing directions to the facilities. Directions shall be legible from any portion of the pool deck; letters shall be a minimum of 1-inch (25 mm) high. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.3	Sanitary facilities: Floors of sanitary facilities shall be constructed of concrete or other nonabsorbent materials, shall have a smooth, slip resistant finish, and shall slope to floor drains, which must be installed within the facility. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.3	Sanitary facilities: There are no foot baths, carpet or duck boards on the floor. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.3	Sanitary facilities: The intersection between the floor and walls shall be covered where either floor or wall is not made of waterproof materials such as tile or vinyl. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
Y☑N□N/A□	454.1.6.1.4	Sanitary facilities: A hose bibb with vacuum breaker is in or within 25 feet (7620 mm) each restroom for ease of cleaning. SHEET SP-3, SITE PLAN AND SHEET SP-2, RESTROOM NOTES																									
RECIRCULATION AND TREATMENT																											
Y☑N□N/A□	454.1.6.2	A minimum of one rinse shower shall be provided on the pool deck of all outdoor pools within the perimeter of the fence. SHEET SP-3, SITE PLAN AND SITE PLAN NOTES #1																									
Y☑N□N/A□	454.1.6.3	An atmospheric break or approved backflow prevention device shall be provided in each pool water supply line that is connected to a public water supply. SHEET SP-2, GENERAL NOTES #6																									
Y☑N□N/A□	454.1.6.3	Vacuum breakers shall be installed on all hose bibbs. SHEET SP-2, GENERAL NOTES #8																									
Y☑N□N/A□	454.1.6.5.1	Recirculation and treatment equipment such as filters, recessed automatic surface skimmers, ionizers, ozone generators, disinfection feeders and chlorine generators shall be tested and approved using the NSF/ANSI 50-2019, <i>Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities</i> , which is incorporated by reference. SHEET SP-2, GENERAL NOTES #39																									
Y☑N□N/A□	454.1.6.5.2	The recirculation system shall be designed to provide a minimum of four turnovers of the pool volume per day. Pools that are less than 1,000 square feet (93 m ²) at health clubs shall be required to provide a minimum of eight turnovers per day. 28,000 GALLS ÷ 150GPM ÷ 60 = 3.11 HOURS																									

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Y☑N□N/A□	64E-9.004(6)	The pool recirculation system must be operated at all times when the pool is open for use. The recirculation system may be shut off three hours after the pool closes but must resume operation three hours before opening the pool. Shut down time must be controlled by a time clock. When a variable speed pump is used, the recirculation system shall be operated such that it achieves the equivalent of 6 hours of treatment at 100 percent design flowrate during the daily closed period, or at least one complete water volume turnover, whichever is greater. Exception: vacuum DE systems are excluded from this allowance. ***If multiple recirculation pumps are used the required flowrate, filtration, & chemical treatment must be maintained to operate the pool. Example: The pool must not be open to the public without one pump if the additional pumps are not able to maintain the proper flowrate, filtration, and chemical treatment (some type of audible alarming may be employed to ensure requirement is met). ENSURE COMPLIANCE	
Y☑N□N/A□	64E-9.004(1)	Pool makeup water supply is from an approved potable water system or meets those requirements with bacteriological/chemical reports to county health department. ENSURE COMPLIANCE – COLUMBIA COUNTY	
Y☑N□N/A□	454.1.6.5.4	If the pump or suction piping is located above the water level of the pool, the pump shall be self-priming. SHEET SP-8, FILTER EQUIPMENT LIST, PENTAIR, WHISPERFLO XF VS, MODEL# 022035, 5HP (NOTE: INDICATED AS 3HP ON DRAWINGS)	
Y☑N□N/A□	454.1.6.5.4	Pumps that take suction prior to filtration shall be equipped with a hair and lint strainer. SHEET SP-8, FILTER EQUIPMENT LIST, PENTAIR, WHISPERFLO XF VS, MODEL# 022035, 5HP (NOTE: INDICATED AS 3HP ON DRAWINGS)	
Y☑N□N/A□	454.1.6.5.4	Pressure filter system pump shall be selected to provide the required recirculation flow against a minimum total dynamic head of 60 feet (18 288 mm) unless hydraulically justified by the design engineer. SHEET SP-8, FILTER EQUIPMENT LIST, PENTAIR, WHISPERFLO XF VS, MODEL# 022035, 5HP (NOTE: INDICATED AS 3HP ON DRAWINGS), PUMP RATED AT 202GPM @ 60ftTDH, REGULATE TO 150GPM	
Y☑N□N/A□	454.1.6.5.5	Filters sized to handle the required recirculation flowrate shall be provided. SHEET SP-8, FILTER EQUIPMENT LIST, (2) STA-RITE, MODEL PLM200 CARTRIDGE FILTERS = 400 SQ.FT.	
SKIMMER SYSTEMS			
Y☑N□N/A□	454.1.6.5.3	The design pattern of recirculation flow shall be 100 percent of the minimum turnover rate through main drain piping and at least 60 percent of the minimum turnover rate through the skimmer system. Except when a bottom drain is used in conjunction with a wall drain carrying 100 percent of the recirculation flow. SHEET SP-4, POOL PLUMBING PLAN, MAIN DRAIN – 6” (264GPM MAX FLOW), SKIMMER – 4” (235GPM MAX FLOW)	
Y☑N□N/A□	454.1.6.5.3.2	Skimmer pool water surface area does not exceed 1,000 FT. ² (93 m ²) excluding offset stairs & swim-outs. SHEET SP-2, POOL INFORMATION, SURFACE AREA = 1000 SQ.FT.	
Y☑N□N/A□	454.1.6.5.3.2	Skimmer pool does not exceed maximum width of 20 feet (6096 mm). SHEET SP-4, POOL LAYOUT PLAN, POOL WIDTH = 20’0”	
Y☑N□N/A□	454.1.6.5.3.2.1	Skimmer system designed to carry 60 percent of pool total design flow rate with each skimmer carrying a minimum of 30 gallons per minute (2 L/s). <i>NOTE: In order to achieve this code requirement, the minimum required recirculation flow would need to be 50 gallons per minute to ensure at 60 percent of the flow the 30 gallons per minute can be met (Example: Two skimmer pool would require a minimum recirculation flowrate of 100 gallons per minute)</i> DESIGN FLOW 150GPM X 60% = 90GPM (3 SKIMMERS)	
Y☑N□N/A□	454.1.6.5.3.2.1	Number of skimmers is based upon 1 for every 400 square feet (37 m ²) or fraction thereof of pool water surface area. SHEET SP-2, POOL INFORMATION, SURFACE AREA = 1000 SQ.FT. ÷ 400 = 2.5 (3 SKIMMERS)	
Y☑N□N/A□	454.1.6.5.3.2.2	Prevailing wind direction and the pool outline shall be considered by the designer in the selection of skimmer locations. The location of skimmers shall be such that the interference of adjacent inlets and skimmers is minimized.	
Y☑N□N/A□	454.1.6.5.3.2.2	Skimmers do not protrude into pool area. SHEET SP-5, SKIMMER DETAILS	
Y☑N□N/A□	454.1.6.5.3.2.2	The deck or curb shall provide for a handhold around the entire pool perimeter and shall not be located more than 9 inches (229 mm) above the midpoint of the opening of the skimmer. SHEET SP-5, SKIMMER DETAILS	
Y□N□N/A☑	454.1.6.5.3.2.3	If installed , an equalizer valve shall be a spring-loaded vertical check valve that will not allow direct suction on the equalizer line. Float valves are prohibited. If installed, the equalizer line outlet shall be installed at least 1 foot (305 mm) below the normal pool water level and the equalizer line outlet shall be protected by an ASME/ANSI A112.19.8 compliant	

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		cover/grate. Any equalizer line shall be 2-inch (51 mm) or larger. Where an equalizer valve is not installed, the skimmer port may be plugged.
Y ☒ N ☐ N/A ☐	454.1.6.5.3.2.4	A wall inlet fitting shall be provided directly across from each skimmer within a tolerance of 5 feet (1524 mm) measured along the perimeter in either direction from center, or shall have a directional flow inlet across from skimmer that directs flow towards skimmer SHEET SP-4, POOL PLUMBING PLAN

CARTRIDGE FILTER SYSTEMS

Y ☒ N ☐ N/A ☐	454.1.6.5.5.1	Cartridge type filters: The filter complies with the maximum filtration rate of 0.375 gpm/ft ² for pleated type cartridge filters. FILTER EQUIPMENT LIST, (2) STA-RITE, MODEL PLM200 CARTRIDGE FILTERS = 400 SQ.FT. X 0.375GPM = 150GPM MAX FLOW
Y ☒ N ☐ N/A ☐	454.1.6.5.5.2.1	Cartridge type filters: Pressure filter systems shall be equipped with an air relief valve, influent and effluent pressure gauges with minimum face size of 2 inches (51 mm) reading 0–60 psi (0–414 kPa). FILTER EQUIPMENT LIST
Y ☒ N ☐ N/A ☐	454.1.6.5.5.3	Cartridge type filters: All cartridges used in public pool filters shall be permanently marked with the manufacturer's name, pore size and area in square feet of filter material. All cartridges with end caps shall have the permanent markings on one end cap. ENSURE COMPLIANCE
Y ☒ N ☐ N/A ☐	454.1.6.5.8	Cartridge type filters: The filter and vacuuming system shall have the necessary valves and piping to allow filtering to pool, vacuuming to waste, vacuuming to filter, and complete drainage of the filter tank. FILTER EQUIPMENT PLAN

PIPING

Y ☒ N ☐ N/A ☐	454.1.6.5.6	All plastic pipe used in the recirculation system shall be imprinted with the manufacturer's name and the NSF-pw logo for potable water applications. Size, schedule and type of pipe shall be included on the drawings. SHEET SP-2, GENERAL NOTES #18
Y ☒ N ☐ N/A ☐	454.1.5.1, 454.1.6.4, & 454.1.6.5.6	Plastic pipe subject to a period of prolonged sunlight exposure must be coated to protect it from ultraviolet light degradation. SHEET SP-2, GENERAL NOTES #24
Y ☒ N ☐ N/A ☐	454.1.6.5.7	Return line, main drain line, and surface overflow system lines each have proportioning valves. SHEET SP-2, MATERIAL SPECIFICATIONS - VALVES
Y ☒ N ☐ N/A ☐	454.1.6.5.8	All pressure piping is sized such that the flow velocity shall not exceed 10' per second (2038 mm/s) at the design flow rate. (Exception: Precoat lines when higher velocity is needed for agitation purposes.) 3" = 220GPM MAX FLOW/DESIGN FLOW 150GPM
Y ☒ N ☐ N/A ☐	454.1.6.5.8	All suction piping is sized such that the flow velocity shall not exceed 6' per second (1829 mm/s) at the design flow rate. (Exception: Vacuum filter header assembly where velocity may be up to 10' per second (3048 mm/s).) COLLECTOR TANKS - 4" = 235GPM MAX FLOW/DESIGN FLOW 150GPM, SKIMMER - 4" = 235GPM MAX FLOW/DESIGN FLOW 90GPM
Y ☒ N ☐ N/A ☐	454.1.6.5.8	Main drain systems and surface overflow systems which discharge to collector tanks are sized such that the flow velocity shall not exceed 3' per second (914 mm/s) at the design flow rate. 6" = 264GPM MAX FLOW/DESIGN FLOW 150GPM
Y ☒ N ☐ N/A ☐	454.1.6.5.9	Wall inlets shall be installed a minimum of 12 inches (305 mm) below the normal operating water level unless precluded by the pool depth or intended for a specific acceptable purpose. SHEET SP5, FLOOR & WALL DETAIL
Y ☒ N ☐ N/A ☐	454.1.6.5.9	Wall inlets are directionally adjustable. SHEET SP5, FLOOR & WALL DETAIL – ENSURE COMPLIANCE
Y ☒ N ☐ N/A ☐	454.1.6.5.9.1	Pools 30 feet (9144 mm) in width or less and has wall inlets such that the inlet spacing does not exceed 20 feet (6096 mm) along the entire pool water perimeter. SHEET SP-4, POOL LAYOUT PLAN
Y ☒ N ☐ N/A ☐	454.1.6.5.9.6.1	The flow rate through each inlet shall not exceed 20 gpm (1 L/s) except for inlets designed for higher flows as specified by the manufacturer. SHEET SP-4, POOL PLUMBING PLAN, (8) INLETS – 150GPM ÷ 8 = 18.75GPM EACH
Y ☒ N ☐ N/A ☐	454.1.6.5.10 & 454.1.6.5.3	Main drain outlets: All pools shall be provided with an outlet at the deepest point. SHEET SP-6, POOL SECTION A-A
Y ☒ N ☐ N/A ☐	454.1.6.5.10.1	If the depth at the outlet deviates more than 3 inches (76 mm) from the side wall, that depth shall be identified on depth markers in addition to the markers normally required for the sidewall depth.

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		Markers for the depth at the drains shall be in accordance with Section 454.1.2.3 with the following words added: "AT CENTER" for circular areas and "AT DEEP POINT" for other pool shapes. SHEET SP-6, TRANSVERSE POOL SECTION, DEEP PORTION	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.2	Outlets are covered by a secure grate which requires the use of a tool to remove. SHEET SP-5, MAIN DRAIN DETAIL	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.2	The open area of the main drain grate(s) is such that the maximum velocity of water passing through the openings does not exceed 1½ feet per second (457 mm/s) at 100 percent of the design recirculation flow. SHEET SP-4, POOL PLUMBING PLAN, LAWSON, MODEL MLD-FGD-1212	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.2	Main drain covers/grates shall comply with the requirements of ANSI/APSP 16 and the water velocity of this section. SHEET SP-4, POOL PLUMBING PLAN, LAWSON, MODEL MLD-FGD-1212, 12" DRAIN, MAX FLOW 365GPM	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.4	If the area is subject to high ground water, the pool shall be designed to withstand hydraulic uplift or shall be provided with hydrostatic relief devices. SHEET SP-5, MAIN DRAIN DETAIL	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.5	The main drain outlet shall be connected to a collector tank. SHEET SP-4, POOL PLUMBING PLAN	
Y ☒ N ☐ N/A ☐	454.1.6.5.10.5	The capacity of the collector tank shall be at least 1 minute of the recirculated flow unless justified by the design engineer. Note: Vacuum filter tanks are considered collector tanks. SHEET SP-8, FILTER EQUIPMENT LIST, 215 GALLON CAPACITY	
Y ☒ N ☐ N/A ☐	454.1 Definitions	"Collector tank" means a reservoir, with a minimum of 2.25 square feet (0.2 m²) water surface area, that is vented by piping and/or open to the atmosphere, from which the recirculation or feature pump takes suction and which receives the gravity flow from the main drain line and surface overflow system or feature water source line, and that is cleanable. The vent shall measure a minimum of 12.56 square inches (8103 mm²) in area. A vent cap assembly shall be installed to minimize rainwater entry into the tank while still allowing for adequate air movement. The vent cap assembly shall be designed to prohibit entry by animals. The vent opening, where connected to the tank, must be set above the static water surface elevation and crown of the overflow piping, if installed. Tanks with vented lids shall not be required to be equipped with a separate vent. Tanks not located in a room or enclosure shall have a lockable lid. Tanks shall be constructed of concrete or other impervious and structurally rigid material, with adequate access for maintenance and cleaning, shall be watertight, shall be free from structural cracks and shall have a nontoxic smooth finish. SHEET SP-8, COLLECTOR TANK DETAIL	
Y ☒ N ☐ N/A ☐	454.1.6.5.11	An automatic and manual water makeup control shall be provided to maintain the water level at the lip of the overflow gutter or at the mouth of the recessed automatic surface skimmers and shall discharge through an air gap into a fill pipe or collector tank. <i>Over the rim fill spouts are prohibited.</i> SHEET SP-8, COLLECTOR TANK DETAIL	
Y ☒ N ☐ N/A ☐	454.1.5.5	Below grade collector tank(s) must have adequate access for cleaning, maintenance and inspection. SHEET SP-8, COLLECTOR TANK DETAIL	
Y ☒ N ☐ N/A ☐	454.1.6.5.12	A portable, robotic or deck-mounted plumbed in, vacuum cleaning system shall be provided. Note: Cleaning devices shall not be used while the pool is open to bathers. SHEET SP-5, ALADDIN SCAMP PORTABLE VACUUM UNIT	
Y ☒ N ☐ N/A ☐	454.1.6.5.12	All vacuum pumps shall be equipped with hair and lint strainers. SHEET SP-5, ALADDIN SCAMP PORTABLE VACUUM UNIT	
Y ☒ N ☐ N/A ☐	454.1.6.5.13	A rate of flow indicator (flowmeter), reading in gpm, shall be installed on the return line following filtration and prior to chemical injection SHEET SP-8, FILTER EQUIPMENT PLAN	
Y ☒ N ☐ N/A ☐	454.1.6.5.13	The rate of flow indicator shall be properly sized for the design flow rate and shall be capable of measuring from three-quarters to at least one and one-quarter times the design flow rate. The flow measuring device shall have an operating range appropriate for the anticipated flow rates and be installed where it is readily accessible to read and for routine maintenance. SHEET SP-8, FILTER EQUIPMENT LIST, BLUE-WHITE, 3", MODEL F30300P, 45GPM – 240GPM RANGE, 112GPM – 188GPM REQUIRED	
Y ☒ N ☐ N/A ☐	454.1.6.5.13	The clearances upstream and downstream from the rate of flow indicator shall comply with manufacturer's installation specifications. SHEET SP-8, FILTER EQUIPMENT PLAN	

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Y ☒ N ☐ N/A ☐	64E-9.004(e)	Landscape irrigation water that wets the wet deck area of the pool, the pool itself, enters the collector tank, or wets an interactive water feature must be potable water from a public water system or shall meet the bacteriological quality of potable water as evidenced by annual laboratory analysis submitted to the department. Reclaimed water may not be used in these areas. If reclaimed water is used in the vicinity of the pool (inside of the pool fence or within 100' of the pool water's edge) it must employ drip irrigation or soaker hoses. Signs shall be posted notifying pool patrons that reclaimed water is in use and is not to be consumed. SHEET SP-3, SITE PLAN NOTES #8
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HEATERS		
Y ☒ N ☐ N/A ☐	454.1.6.5.14	Pool heaters shall comply with nationally recognized standards acceptable to the jurisdictional building department and to the design engineer. GAS HEATER, COORDINATE INSTALLATION WITH BUILDING DEPARTMENT AND OTHER GOVERNING AUTHORITIES
Y ☒ N ☐ N/A ☐	454.1.6.5.14	Pools equipped with heaters shall have a fixed thermometer mounted in the pool recirculation line downstream from the heater outlet. Thermometers mounted on heater outlets do not meet this requirement. SHEET SP-8, FILTER EQUIPMENT PLAN
Y ☒ N ☐ N/A ☐	454.1.6.5.14	A sketch of any proposed heater installation including valves, thermometer, pipe sizes, and material specifications shall be included in the application for permit prior to installation. SHEET SP-6, HEATER BY-PASS DETAIL
Y ☒ N ☐ N/A ☐	454.1.6.5.14	Piping and influent, effluent and bypass valves which allow isolation or removal of the heater from the system shall be provided. ***Valves must be proportional type, gate type valves prohibited SHEET SP-6, HEATER BY-PASS DETAIL
Y ☒ N ☐ N/A ☐	454.1.6.5.14	Materials used in solar and other heaters shall be nontoxic and acceptable for use with potable water.
Y ☒ N ☐ N/A ☐	454.1.6.5.14	Heaters shall not prevent the attainment of the required turnover rate.

POOL WASTEWATER		
Y ☒ N ☐ N/A ☐	454.1.6.5.15	Pool wastewater shall be discharged through an air gap. SHEET SP-2, GENERAL NOTES #7
Y ☒ N ☐ N/A ☐	454.1.6.5.15	Pool wastewater disposal shall be to sanitary sewers, storm sewers, drain fields, or by other means, in accordance with local requirements including obtaining all necessary permits. SHEET SP-8, FILTER EQUIPMENT NOTES #7
Y ☒ N ☐ N/A ☐	454.1.6.5.15	All lines shall be sized to handle the expected flow. MINIMUM 2" LINE
Y ☒ N ☐ N/A ☐	454.1.6.5.15	There shall not be a direct physical connection between any drain from a pool or recirculation system and a sewer line. SHEET SP-8, POOL MAINTENANCE DRAIN

ADDITION OF CHEMICALS		
Y ☒ N ☐ N/A ☐	454.1.6.5.19	Automated ORP & PH controllers with sensing probes shall be provided on all newly built public swimming pools to assist in maintaining proper disinfection and pH levels. SHEET SP-8, FILTER EQUIPMENT LIST, CES, MODEL MR-1 pH/ORP CONTROLLER
Y ☒ N ☐ N/A ☐	454.1.6.5.18	Only NSF 60 approved chemicals shall be provided. SHEET SP-2, GENERAL NOTES #33
Y ☒ N ☐ N/A ☐	64E-9.004(10)	A test kit is provided and is capable of testing for free active halogens, total or combined available chlorine and pH. PROVIDE APPROVED TEST KIT
Y ☒ N ☐ N/A ☐	454.1.6.5.16	Disinfection and pH adjustment shall be added to the pool recirculation flow using automatic feeders meeting the requirement of ANSI/NSF 50. SHEET SP-2, GENERAL NOTES #39
Y ☒ N ☐ N/A ☐	454.1.6.5.16	All chemicals shall be fed into the return line after the pump, heater and filters unless the feeder was designed by the manufacturer and approved by the NSF to feed to the collector tank or to the suction side of the pump. SHEET SP-8, CHEMICAL INJECTION DETAIL

HYPOHALOGENATION AND ELECTROLYTIC CHLORINE GENERATORS		
Y ☒ N ☐ N/A ☐	454.1.6.5.16.2	Hypohalogenation: The hypohalogenation-type feeder and electrolytic chlorine generators shall be adjustable from 0 to full range. SHEET SP-8, FILTER EQUIPMENT LIST, STENNER, MODEL 45M4, 35 GPD
Y ☒ N ☐ N/A ☐	454.1.6.5.16.2	Hypohalogenation: The feeder is capable of feeding a dosage of 6 ppm (mg/L) to the minimum required turnover flow rate (if solution type feeders, a 5 percent calcium hypochlorite or 10 percent sodium hypochlorite solution is to be utilized). 150GPM ÷ 13.87 = 10.8 GPD
Y ☒ N ☐ N/A ☐	454.1.6.5.16.2	Hypohalogenation: An electrical feeder, when used, has electrical interlock with the recirculation pump to prevent the disinfectant from siphoning or feeding directly into the

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		pool or pool piping under any type failure of the recirculation equipment. A flow sensor controller may be used. SHEET SP-2, GENERAL NOTES #17
Y ☒ N ☐ N/A ☐	454.1.6.5.16.2	Hypohalogenation: Solution crock has a volume equal to at least 50 percent of the maximum daily feed capacity of the solution feeder. Solution crock is marked to indicate contents. The solution reservoirs shall be manufactured to accommodate corrosive and oxidizing liquid chemicals. Tanks not located in a room or enclosure shall have a lockable lid SHEET SP-8, FILTER EQUIPMENT LIST, 30 GALLON CAPACITY
FEEDER FOR pH ADJUSTMENT		
Y ☒ N ☐ N/A ☐	454.1.6.5.16.3	Feeders for pH adjustment shall be provided on all pools.
Y ☒ N ☐ N/A ☐	454.1.6.5.16.3	pH adjustment feeder: pH adjustment feeders shall be positive displacement type, shall be adjustable from 0 to full range. SHEET SP-8, FILTER EQUIPMENT LIST, STENNER, MODEL 45M3, 22 GPD
Y ☒ N ☐ N/A ☐	454.1.6.5.16.3	pH adjustment feeder: An electrical feeder has electrical interlock with the recirculation pump to prevent discharge when the recirculation pump is not operating. SHEET SP-2, GENERAL NOTES #17
Y ☒ N ☐ N/A ☐	454.1.6.5.16.3	pH adjustment feeder: Solution crock has a volume equal to at least 50 percent of the maximum daily feed capacity of the solution feeder. Solution crock is marked to indicate contents. The solution reservoirs shall be manufactured to accommodate corrosive and oxidizing liquid chemicals. Tanks not located in a room or enclosure shall have a lockable lid SHEET SP-8, FILTER EQUIPMENT LIST, 30 GALLON CAPACITY
ELECTRICAL *TO BE REVIEWED BY BUILDING DEPT.		
Y ☐ N ☐ N/A ☐	454.1.10.4.1	Ground fault circuit interrupter protection for personnel. Outlets supplying repaired, replaced, altered, or relocated pool pump motors connected to single-phase, 120-volt through 240-volt branch circuits, whether by receptacle or by direct connection, and outlets supplying all other repaired, replaced, altered, or relocated electrical equipment and underwater luminaires operating at voltages greater than the low voltage contact limit, connected to single-phase, 120-volt through 240-volt branch circuits, rated 15 and 20 amperes, whether by receptacle or by direct connection, shall be provided with ground fault circuit interrupter protection for personnel.
EQUIPOTENTIAL BONDING *TO BE REVIEWED BY BUILDING DEPT.		
Y ☐ N ☐ N/A ☐	454.1.10.4.2	Equipotential bonding. Any of the parts specified in Sections 680.26(B)(1) through(B)(7) of the NFPA 70, National Electrical Code that are repaired, replaced, altered, or installed new at an existing swimming pool shall be connected to the existing bonding system 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 Section 250.8 of NFPA 70, <i>National Electrical Code</i> . 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. All metallic float in light rings shall be connected to the equipotential bonding grid. Float in light rings with no provision for bonding, and other devices which do not provide an electrical connection between a metallic underwater luminaire and the forming shell of a wet niche fixture, including screws or bolts not supplied by the luminaire's manufacturer and listed for use with the specific luminaire, shall not be allowed for use with any underwater luminaire that is required to be grounded. Where none of the bonded parts is indirect 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 9 square inches (5800 mm 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 Section 680.26(B) of the NFPA 70, <i>National Electrical Code</i> . A bonded concrete pool shell shall be considered to be a conductive surface. The interior metallic surface or surfaces of any forming shell (wet niche) shall not be covered with any material, including plaster, except potting compound covering internal bonding connections in conformance with 680.23(B)(2)(b) of NFPA 70, <i>National Electrical Code</i> , shall be allowed.