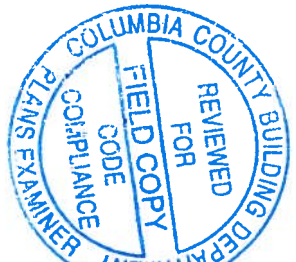


NOTES:

- THESE PLANS ARE APPLICABLE TO RESIDENTIAL SWIMMING POOLS OF LESS THAN 108,000 GALLONS AND 150 G.P.M. PUMP RATE.
- DESIGN CRITERIA: FLORIDA BUILDING CODE (6th EDITION) 2017 SECTION 454.2 (F.B.C.), ANSI/APSP-3, ANSI/APSP-5, ANSI/APSP-7, & ANSI/APSP/ICC-15.
- SAFETY BARRIERS FOR THE POOL SHALL BE PROVIDED IN ACCORDANCE WITH F.B.C. SECTION 454.2.17 INCLUDING WINDOW AND DOOR ALARMS IF APPLICABLE.
- ALL SUCTION OUTLET COVERS/GRATES AND FASTENERS SHALL COMPLY WITH LATEST ASME/ANSI 112.19.8.
- DUAL MAIN SUCTION COVERS SHALL EACH BE RATED FOR 100% OF THE SYSTEM FLOW RATE AND MAY BE FLOOR OR WALL MOUNTED. ALL SUCTION OUTLET COVERS SHALL INCLUDE THE MANUFACTURERS RECOMMENDED SUMP DIMENSIONS OR OTHERWISE IN ACCORDANCE WITH ASME/ANSI 112.19.8-LATEST ED. (FIGURE 2).
- CONSTRUCT POOL ON COMPACTED OR UNDISTURBED SOIL WITH A 2,000 P.S.F. MINIMUM BEARING CAPACITY. CONTACT THE ENGINEER SHOULD ANY MARL, MUCK, ORGANIC OR UNSUITABLE MATERIAL BE ENCOUNTERED IN THE POOL EXCAVATION FOR SOIL CORRECTION RECOMMENDATIONS.
- THE LOCAL GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE POOL STRUCTURE DURING CONSTRUCTION AND ANY TIME THE POOL WATER IS EMPTY FOR MAINTENANCE.
- POOL PIPING SHALL BE SCH. 40 PVC NSF-PW APPROVED. ALL PIPING, VALVES, EQUIPMENT AND MATERIALS USED SHALL CONFORM TO THE F.B.C., PLUMBING.
- CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANSINSE-50.
- PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSUL 1081. PUMPS EQUAL TO OR EXCEEDING 1 H.P. SHALL BE TWO SPEED MINIMUM WITH THE RECIRCULATION RATE MET A LOW SPEED OF AT LEAST 1/2 THAT OF THE MAXIMUM PUMP SPEED.
- ELECTRICAL WIRING, EQUIPMENT INSTALLATIONS AND BONDING OF POOL, EQUIPMENT, HANDRAILS AND LIGHTS TO THE POOL REINFORCING STEEL SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE AND N.F.P.A. 70 ARTICLE 680 NATIONAL ELECTRIC CODE.
- HEAT PUMPS SHALL COMPLY WITH THE LATEST UL 559. ELECTRIC HEATERS SHALL COMPLY WITH UL 1261. ANY GAS PIPING SHALL COMPLY WITH F.B.C., FUEL GAS. GAS HEATERS SHALL COMPLY WITH LATEST ANSI-Z21.56.
- ONE MEANS OF EXIT FROM THE SHALLOW AND DEEP END CONSISTING OF A LADDER, BENCH, UNDERWATER SEAT OR SWIM-OUT SHALL BE PROVIDED FOR WATER DEPTHS 5' OR GREATER. PROVIDE TWO MEANS OF EXIT FOR POOLS WIDER THAN 36'.
- UNDERWATER SEATS, BENCHES, AND SWIM-OUTS SHALL BE A MAXIMUM OF 20" BELOW THE WATERLINE.
- THIS POOL DOES NOT PROVIDE A MINIMUM DIVING WATER ENVELOPE. NO DIVING OR DIVING EQUIPMENT IS ALLOWED.
- POOL PLUMBING PIPE SIZES SHALL BE PROVIDED AS LISTED BELOW BASED ON CONTRACTORS CALCULATED MAXIMUM PUMP FLOW RATE

PIPE SIZE CHART: (FOR F.B.C. ALLOWABLE VELOCITIES)

PUMP RATE (GPM)	RETURN (10'/SEC.)	SUCTION (8'/SEC.)	BRANCH (6'/SEC.)
20 - 62	2"	2"	2"
63 - 83	2"	2"	2 1/2"
84 - 89	2"	2 1/2"	2 1/2"
90 - 104	2"	2 1/2"	3"
105 - 119	2 1/2"	2 1/2"	3"
120 - 138	2 1/2"	3"	3"
139 - 150	2 1/2"	3"	4"



SINGLE PUMP EQUIPMENT SCHEMATIC (N.T.S.)

POOL & SPA PLAN (N.T.S.)

STANDARD DETAILS
RESIDENTIAL SWIMMING POOL & SPA

For the Exclusive Use of:
Three Palm Pools, LLC
5915 NW 268th Terrace, Newberry, Florida 32669

CREST ENGINEERING

of Sarasota, LLC
3402 Magic Oak Lane, Sarasota, Florida 34232
Ph: (941) 377-8811 Fx: (941) 378-8811
Florida Certificate of Authorization No. 28100

Date10-29-2018

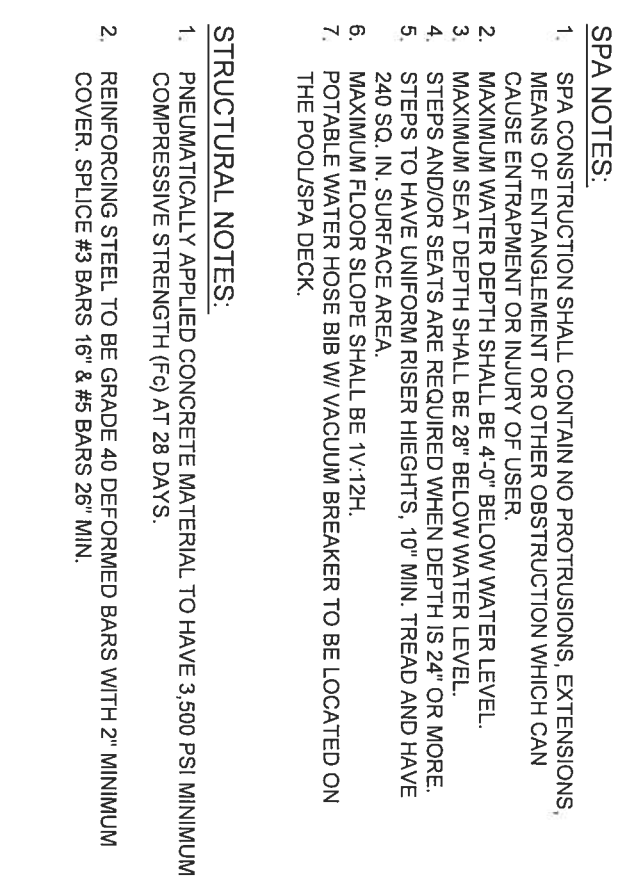
Project No.50416

Michael Shannon, P.E.

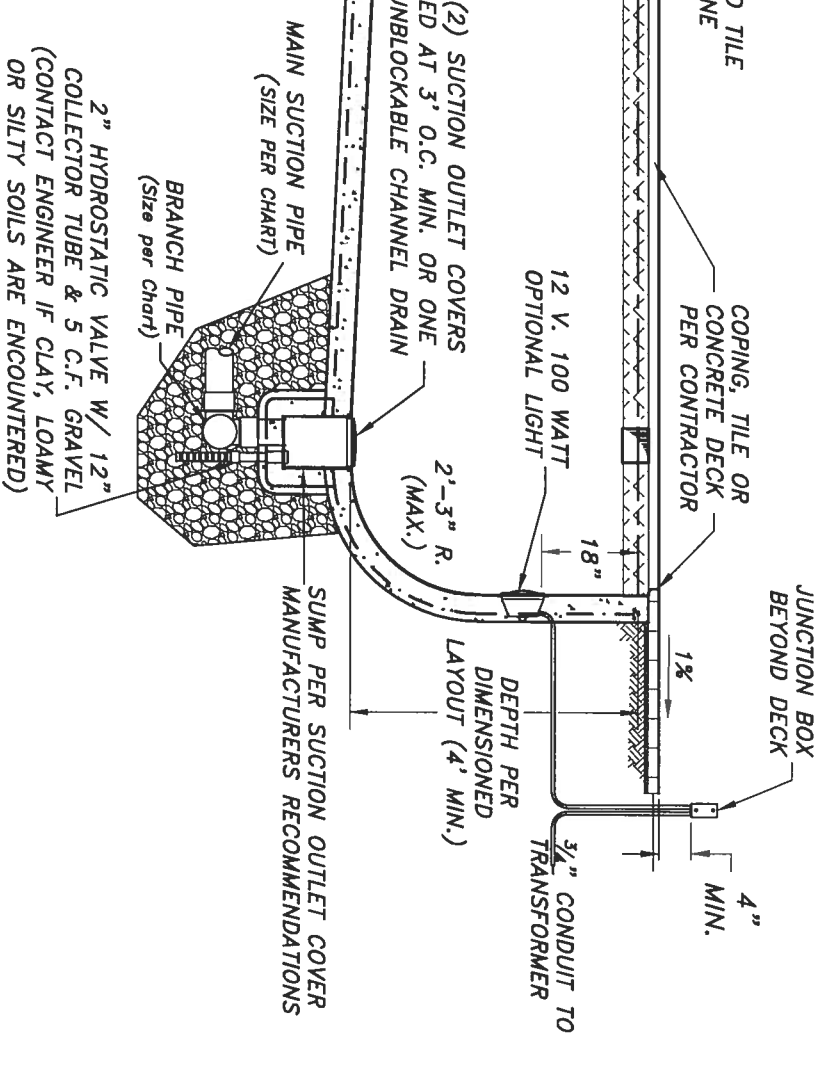
Registration # 67896

DateOCT 30 2018

Sheet1 of 2



(N.T.S.)



(N.T.S.)

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Date: **OCT 30 2018**

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