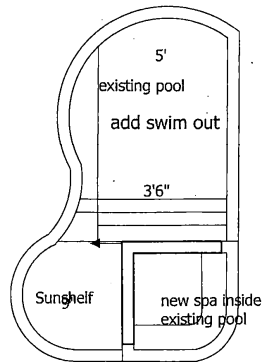


Owner: Cort & Candace Lamee State: FL
Address: 648 Marbury Ln Zip: _____
City: LBK
Phone: 770-833-9246



Scale: 1/8" = 1 ft

POOL SPECS

SIZE: Existing SQFT: _____
DEPTH: _____ PERIMETER: _____
EST TOTAL GALLONS: _____ SKIMMERS: _____
RETURNS: _____ INTERIOR MATERIAL: _____
SPECIAL: _____ TILE: _____
NOTES: _____

SPA SPECS

SIZE: 7' x 7' SQFT: 36
DEPTH: 3' PERIMETER: 24
EST TOTAL GALLONS: 700 SPILLWAY: tiled 11'
RAISED HEIGHT: +12 SKIMMERS: _____
RETURNS: 1 return 6 jetsa TILE: _____
INTERIOR MATERIAL: Pebble
SPECIAL: _____
NOTES: _____

PLUMBING

RETURNS: 2" SKIMMERS: 2"
POOL MAIN DRAINS: 2" SPA MAIN DRAINS: 2.5"
CLEANING SYSTEM: _____ HEADS: _____
VAC LINES: _____ ROBOT VAC: _____
WATER FEATURES: 2" SPA SPILLWAY: 2"
LIGHTS IN POOL: 1 LED LIGHTS IN SPA: 1 LED
TOTAL PIPE: _____
SPECIAL: _____
NOTES: _____

DECK

DECK TYPE: TBD ELEVATION: _____
TOTAL DECK SQFT: _____ PERIMETER: _____
RAISED BEAM: _____ LIP STYLE: _____
MATERIAL 1: _____ MATERIAL 2: _____
SPECIAL: _____
NOTES: _____

BLDG PERMIT PLANS
FILE

EQUIPMENT

POOL PUMP: Intelliflo VSF 2ND PUMP: _____
FILTRATION: Clean & Clear FILTER SIZE: RP 200
HEATER: Existing INLINE: Intellichlor IC 20
TIMER: Intellicenter I5 GAS: _____
SPECIAL: _____
NOTES: _____

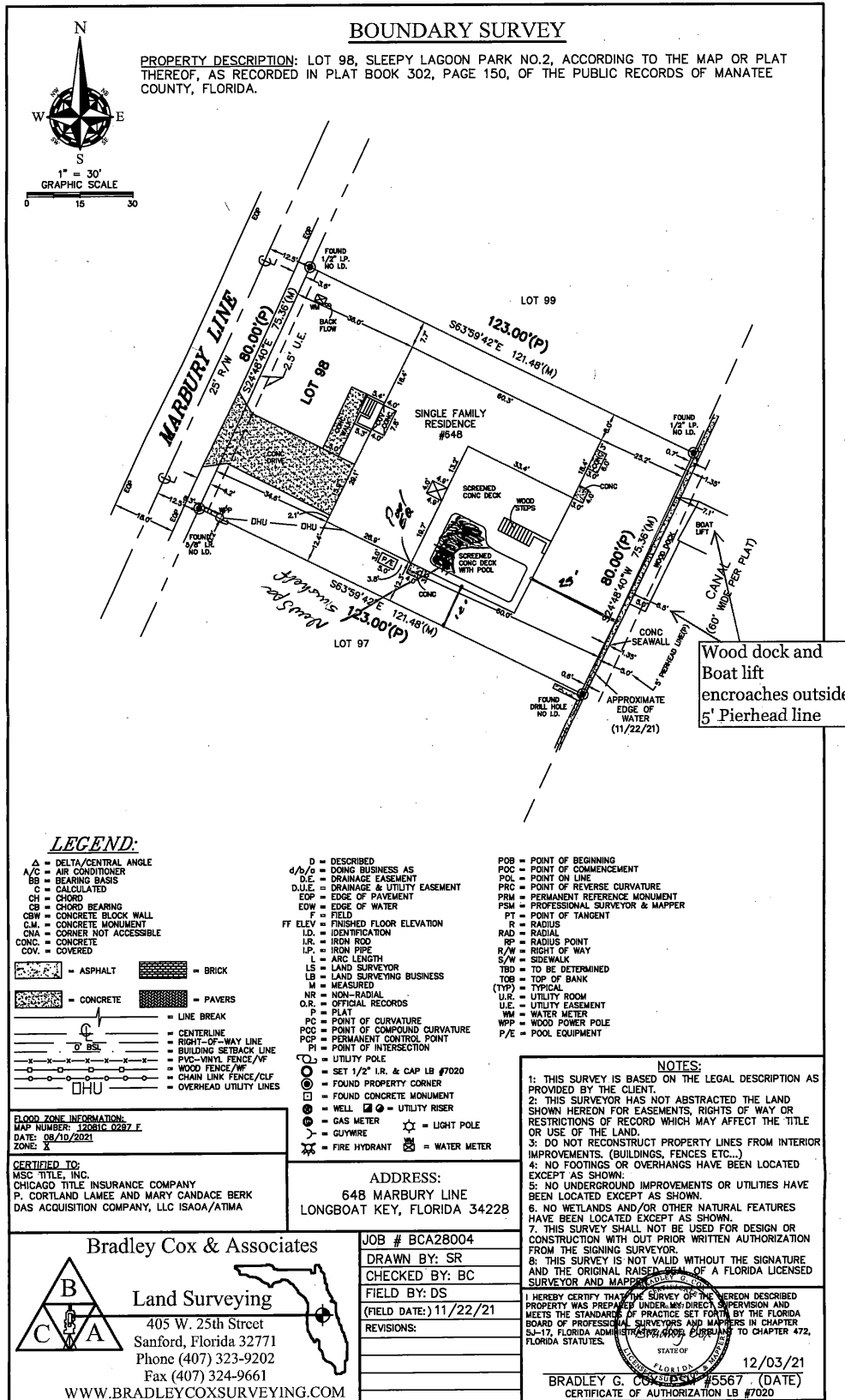
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MAY 10 2024

TOWN OF LONGBOAT KEY
Planning, Zoning & Building

Copy of Record

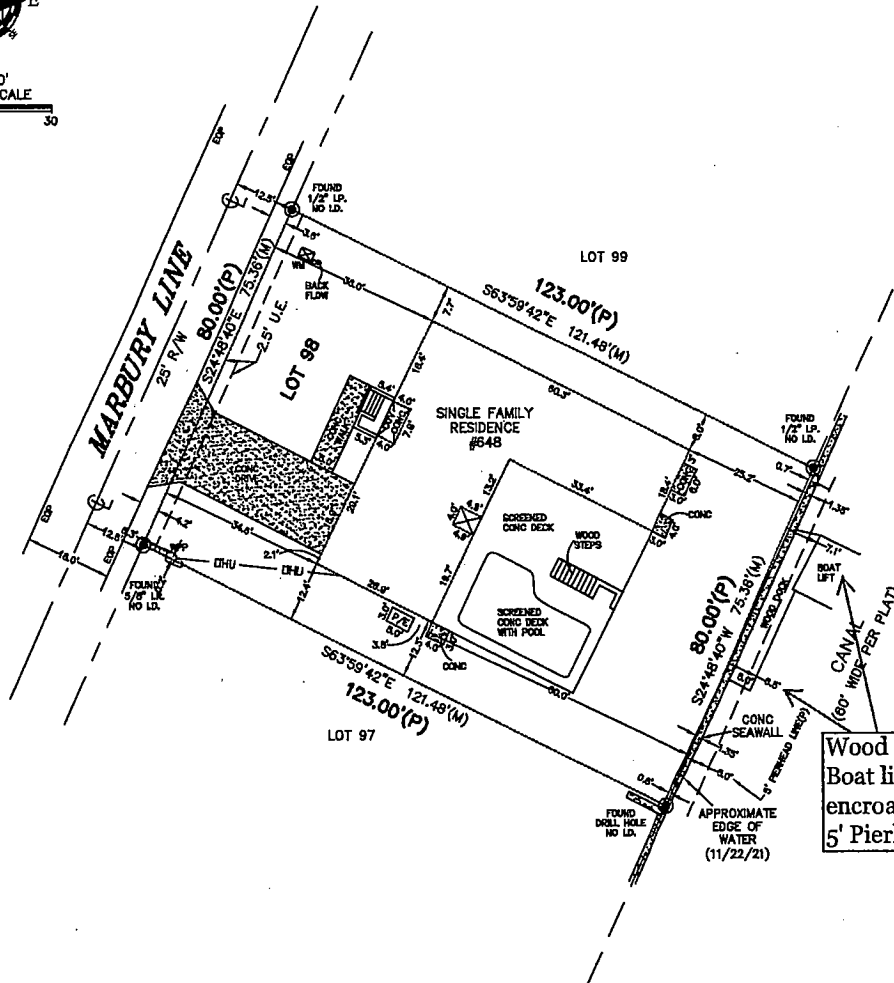
20211690 AH 12/6/2021



BOUNDARY SURVEY

PROPERTY DESCRIPTION: LOT 98, SLEEPY LAGOON PARK NO.2, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 302, PAGE 150, OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA.

BLDG PERMIT P-1000
FILE
Copy of Record



Wood dock and
Boat lift
encroaches outside
5' Pierhead line

LEGEND:

Δ = DELTA/CENTRAL ANGLE
A/C = AIR CONDITIONER
BS = BEARING BASIS
C = CALCULATED
CH = CHORD
CB = CHORD BEARING
CBW = CONCRETE BLOCK WALL
C.M. = CONCRETE MONUMENT
CNA = CORNER NOT ACCESSIBLE
CONC. = CONCRETE
COV. = COVERED

ASPHALT
CONCRETE
PAVERS

LINE BREAK
CENTERLINE
RIGHT-OF-WAY LINE
BUILDING SETBACK LINE
PVC-VINYL FENCE/WF
WOOD FENCE/WF
CHAIN LINK FENCE/CLF
OVERHEAD UTILITY LINES

FLOOD ZONE INFORMATION:
MAP NUMBER: 12081C 0287 F
DATE: 08/10/2021
ZONE: X

CERTIFIED TO:
MSC TITLE, INC.
CHICAGO TITLE INSURANCE COMPANY
P. CORTLAND LAMEE AND MARY CANDACE BERK
DAS ACQUISITION COMPANY, LLC ISAOA/ATMA

D = DESCRIBED
d/b/a = DOING BUSINESS AS
D.E. = DRAINAGE EASEMENT
D.U.E. = DRAINAGE & UTILITY EASEMENT
EDP = EDGE OF PAVEMENT
EDW = EDGE OF WATER
F = FIELD
FF ELEV. = FINISHED FLOOR ELEVATION
I.D. = IDENTIFICATION
I.R. = IRON ROD
I.P. = IRON PIPE
L = ARC LENGTH
LS = LAND SURVEYOR
LB = LAND SURVEYING BUSINESS
M = MEASURED
NR = NON-RADIAL
O.R. = OFFICIAL RECORDS
P = PLAT
PC = POINT OF CURVATURE
PCC = POINT OF COMPOUND CURVATURE
PCP = PERMANENT CONTROL POINT
PI = POINT OF INTERSECTION
UTILITY POLE

SET 1/2" I.R. & CAP LB #7020
FOUND PROPERTY CORNER
FOUND CONCRETE MONUMENT
WELL
GAS METER
CULVIRE
FIRE HYDRANT
LIGHT POLE
WATER METER

POB = POINT OF BEGINNING
POC = POINT OF COMMENCEMENT
POL = POINT ON LINE
PRC = POINT OF REVERSE CURVATURE
PRM = PERMANENT REFERENCE MONUMENT
PSM = PROFESSIONAL SURVEYOR & MAPPER
PT = POINT OF TANGENT
R = RADIUS
RAD = RADIAL
RP = RADIUS POINT
R/W = RIGHT OF WAY
S/W = SIDEWALK
TBD = TO BE DETERMINED
TOB = TOP OF BANK
TYP = TYPICAL
UTR = UTILITY ROOM
U.E. = UTILITY EASEMENT
WM = WATER METER
WPP = WOOD POWER POLE
P/E = POOL EQUIPMENT

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NOTES:

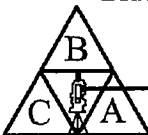
- 1: THIS SURVEY IS BASED ON THE LEGAL DESCRIPTION AS PROVIDED BY THE CLIENT.
- 2: THIS SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RIGHTS OF WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF THE LAND.
- 3: DO NOT RECONSTRUCT PROPERTY LINES FROM INTERIOR IMPROVEMENTS. (BUILDINGS, FENCES ETC.)
- 4: NO FOOTINGS OR OVERHANGS HAVE BEEN LOCATED EXCEPT AS SHOWN.
- 5: NO UNDERGROUND IMPROVEMENTS OR UTILITIES HAVE BEEN LOCATED EXCEPT AS SHOWN.
- 6: NO WETLANDS AND/OR OTHER NATURAL FEATURES HAVE BEEN LOCATED EXCEPT AS SHOWN.
- 7: THIS SURVEY SHALL NOT BE USED FOR DESIGN OR CONSTRUCTION WITH OUT PRIOR WRITTEN AUTHORIZATION FROM THE SIGNING SURVEYOR.
- 8: THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

I HEREBY CERTIFY THAT THE SURVEY OF THE HEREON DESCRIBED PROPERTY WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 63-17, FLORIDA ADMINISTRATIVE CODES, SUBJECT TO CHAPTER 472, FLORIDA STATUTES.

STATE OF
FLORIDA
12/03/21

BRADLEY G. COX #5567 (DATE)
CERTIFICATE OF AUTHORIZATION LB #7020

Bradley Cox & Associates



Land Surveying

405 W. 25th Street
Sanford, Florida 32771
Phone (407) 323-9202
Fax (407) 324-9661

WWW.BRADLEYCOXSURVEYING.COM

JOB # BCA28004

DRAWN BY: SR

CHECKED BY: BC

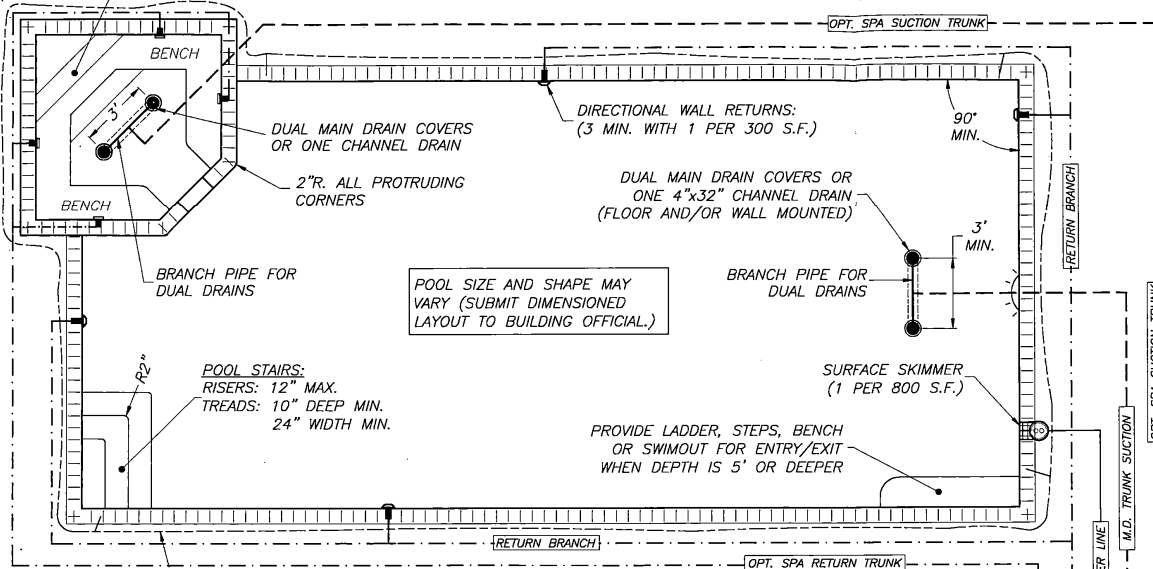
FIELD BY: DS

(FIELD DATE) 11/22/21

REVISIONS:

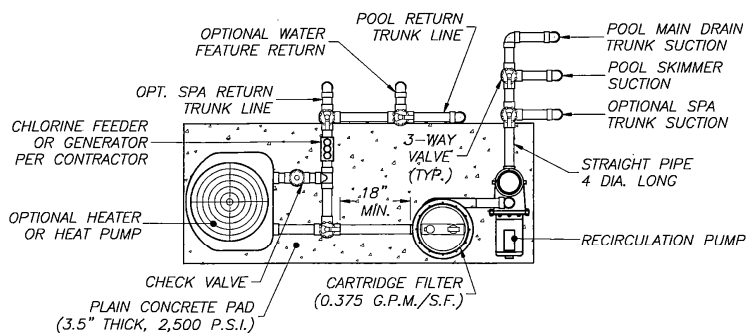
OPTIONAL SPA
WHEN SHOWN ON
DIMENSIONED
LAYOUT

SPA STAIRS:
RISERS: 12" MAX.
TREADS: 10" DEEP X 24" WIDE MIN.



#8 BARE COPPER BOND WIRE
4"-6" BELOW FINISHED GRADE
WITHIN 18"-24" OF POOL WATER

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



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

TYPICAL PLAN NOTE:
THESE STANDARD PLANS & DETAILS INDICATE TYPICAL BUILDING CODE REQUIREMENTS FOR FLORIDA PRIVATE SWIMMING POOLS. POOL BUILDER TO PROVIDE SITE SPECIFIC POOL PLAN FOR POOL LAYOUT AND DEPTHS.

STANDARD DETAILS
FLORIDA PRIVATE SWIMMING POOL
Prepared For: FREESTYLE POOLS & SPAS
(941) 739-8657 (CPC 1456697)

NOTES:

1. THESE PLANS ARE APPLICABLE TO RESIDENTIAL SWIMMING POOLS OF LESS THAN 108,000 GALLONS AND 150 G.P.M. PUMP RATE.
2. DESIGN CRITERIA: FLORIDA BUILDING CODE, 7th EDITION (2020), SECTION 45.05, RESIDENTIAL SWIMMING POOLS, ANSI/APSP-3, ANSI/APSP-5, ANSI/APSP-7, & ANSI/APSP-11.
3. 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.
4. ALL SUCTION OUTLET COVERS/GRATES AND FASTENERS SHALL COMPLY WITH LATEST ASME/ANSI 112.19.8.
5. 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).
6. CONSTRUCT POOL ON COMPACTED OR UNDISTURBED SOIL WITH A 1,500 P.S.F. MINIMUM BEARING CAPACITY. CONTACT THE ENGINEER SHOULD ANY MARL, MUCK, CLAYEY, ORGANIC OR UNSUITABLE MATERIAL BE ENCOUNTERED IN THE POOL EXCAVATION FOR SOIL CORRECTION RECOMMENDATIONS.
7. THE LOCAL GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE POOL STRUCTURE DURING CONSTRUCTION AND ANY TIME THE POOL WATER IS EMPTY FOR MAINTENANCE.
8. POOL PIPING SHALL BE SCH. 40 PVC, STAMPED NSF-PW APPROVED. ALL PIPING, VALVES, EQUIPMENT AND MATERIALS USED SHALL CONFORM TO THE F.B.C., PLUMBING.
9. CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANS/NSF-50.
10. PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSI/UL 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.
11. ANY POOL LIGHTING, ALL ELECTRICAL WORK 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.E.P.A. 70 ARTICLE 680 NATIONAL ELECTRIC CODE.
12. 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.
13. 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 DEPTH 5' OR GREATER. PROVIDE TWO MEANS OF EXIT FOR POOLS WIDER THAN 36'.
14. UNDERWATER SEATS, BENCHES, AND SWIM-OUTS SHALL BE A MAXIMUM OF 20" BELOW THE WATERLINE.
15. THIS POOL DOES NOT PROVIDE A MINIMUM DIVING WATER ENVELOPE. NO DIVING OR DIVING EQUIPMENT IS ALLOWED.
16. POOL PLUMBING PIPE SIZES SHALL BE PROVIDED AS LISTED BELOW BASED ON CONTRACTORS' OR ENGINEER'S CALCULATED MAXIMUM PUMP FLOW RATE PER BELOW:

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"

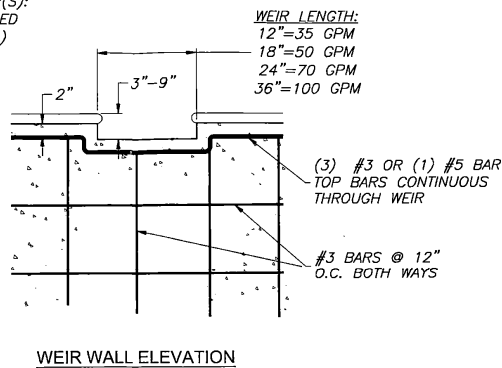
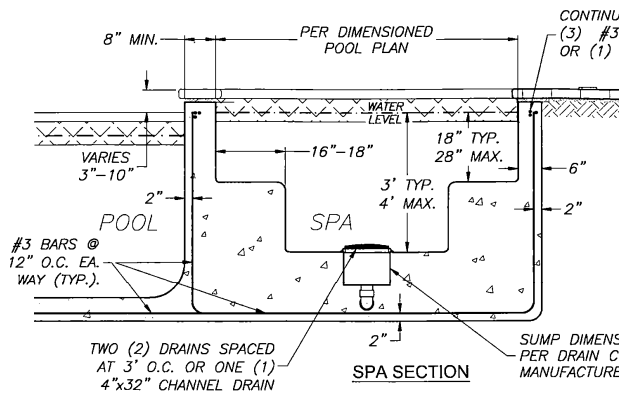
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CREST ENGINEERING
of Sarasota, LLC

3402 Magic Oak Lane, Sarasota, Florida 34232
Phone: (941) 377-8811
Email: info@crestfl.com

Florida Certificate of Authorization No. 28100

Date: 1-05-2021
Project No.: S0268
Michael L. Shannon, P.E.
Lic. License # 67995
JAN 05 2021
Sheet: SP-1 of 2

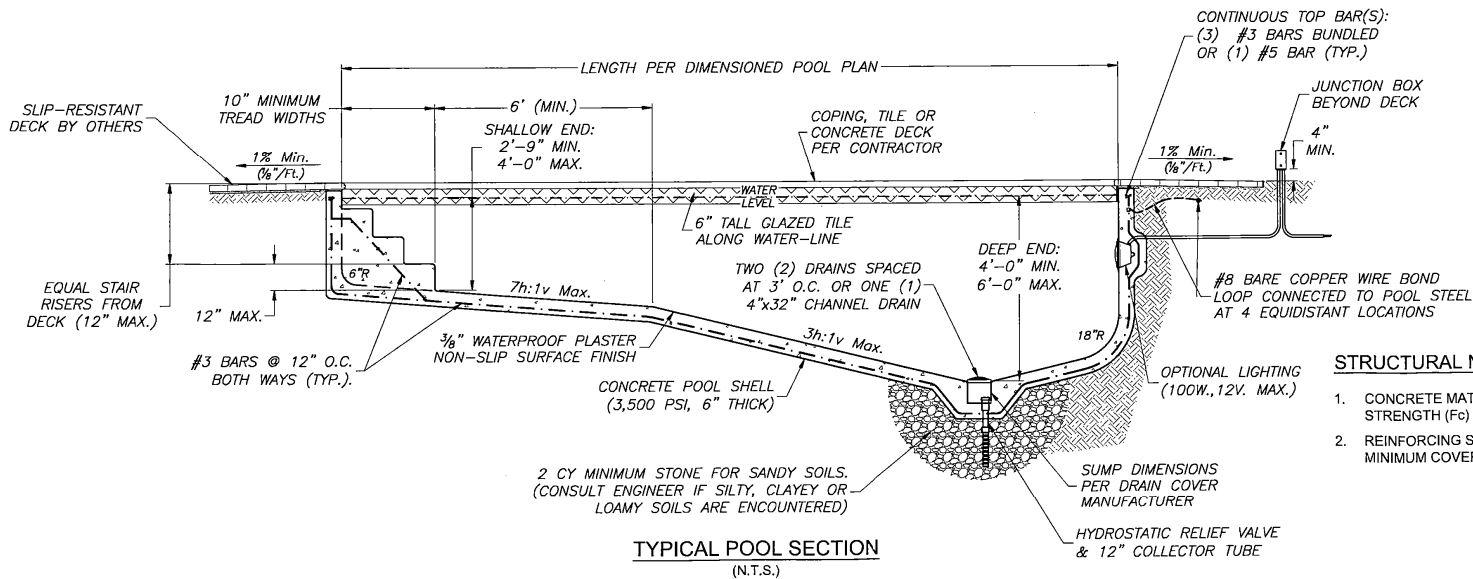


SPA NOTES:

1. SPA CONSTRUCTION SHALL CONTAIN NO PROTRUSIONS WHICH COULD BECOME MEANS OF ENTANGLEMENT OR OTHER OBSTRUCTION WHICH CAN CAUSE ENTRAPMENT OR INJURY OF USER.
2. MAXIMUM WATER DEPTH SHALL BE 4'-0" BELOW WATER LEVEL.
3. MAXIMUM SEAT DEPTH SHALL BE 28" BELOW WATER LEVEL.
4. STEPS TO HAVE UNIFORM RISER HEIGHTS, 10" MIN. TREAD AND HAVE 240 SQ. IN. SURFACE AREA.
5. MAXIMUM FLOOR SLOPE SHALL BE 1V:12H.
6. POTABLE WATER HOSE BIB W/ VACUUM BREAKER TO BE LOCATED ON THE POOL/SPA DECK.
7. WEIR FLOW RATES ARE BASED ON 1" HEAD ON WEIR.

OPTIONAL SPA DETAILS

(N.T.S.)



TYPICAL PLAN NOTE:
THESE STANDARD PLANS & DETAILS INDICATE TYPICAL BUILDING CODE REQUIREMENTS FOR FLORIDA PRIVATE SWIMMING POOLS. POOL BUILDER TO PROVIDE SITE SPECIFIC POOL PLAN FOR POOL LAYOUT AND DEPTHS.

STANDARD 6 FT. MAXIMUM DEPTH POOL SECTION FLORIDA PRIVATE SWIMMING POOL

Prepared For: FREESTYLE POOLS & SPAS

(941) 739-8657 (CPC 1456697)

CREST ENGINEERING of Sarasota, LLC

3402 Magic Oak Lane, Sarasota, Florida 34232

Phone: (941) 377-8811

Email: info@crestfl.com

Florida Certificate of Authorization No. 28100

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STRUCTURAL NOTES:

1. CONCRETE MATERIAL TO HAVE 3,500 PSI MINIMUM COMPRESSIVE STRENGTH (F_c) AT 28 DAYS.
2. REINFORCING STEEL TO BE GRADE 40 DEFORMED BARS WITH 2" MINIMUM COVER. SPLICE #3 BARS 16" & #5 BARS 26" MIN.

Date 1-05-2021

Project No. S0268

Michael L. Shannon, P.E.
Fla. License # 67896

JAN 05 2021

Sheet: SP-2 of 2

32" CHANNEL DRAIN ANTI-ENTRAPMENT SUCTION OUTLET COVER AND PVC THREE-PORT MANUFACTURED SUMP



**VGB CERTIFIED
SPECIFICATIONS**

Floor Flow Rating
236 GPM at 3.4 fps

Wall Flow Rating
136 GPM at 1.9 fps

Sump Depth
Use sump included

Open Area
22.6 in²

FEATURES

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

Three ports: bottom 2 1/2" OD, 2" ID S/S; inside 2" threaded FPT; two 2" threaded plugs included

Strong PVC sump does not require transitional glue

Designed for use with 2" hydrostatic relief valve part #HVxxx (see page 103)

Disposable plastic pre-gunite/plaster insert keeps debris out and retains sump shape during construction

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

Online product support including downloadable CAD files, General Certificate of Conformity, third-party certificate, installation instructions and more

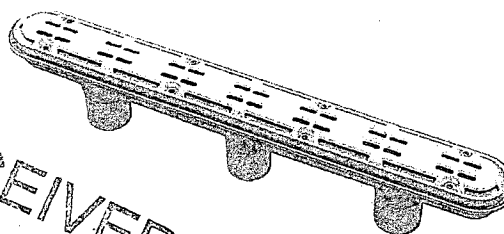
Replace drain cover every five years from the date of installation

4 per case

U.S. patent 20140157510

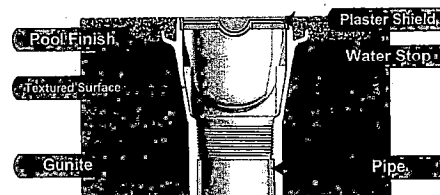
Unblockable!

NEW Improved water stop and sump design



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NEW Water Stop and Textured Sump



With sump (concrete pools)
Part # 32CDAVxxx

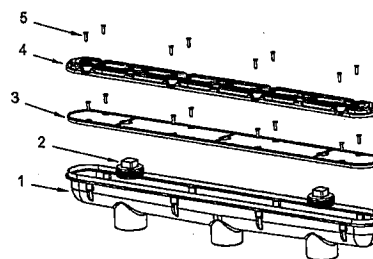
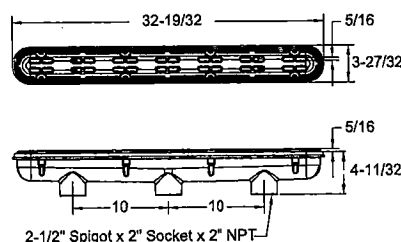
STANDARD COLORS

- ☐ 32CDAV101 - White
- ☐ 32CDAV102 - Black
- ☐ 32CDAV103 - Light Gray
- ☐ 32CDAV105 - Dark Gray

Also available as sump only,
p/n 32CDPxxx
4 per case

Also available cover only without
sump/frame, p/n 32CDAVNFxxx
20 per case

VGB 2008 Compliant



1. 32" Three-Port PVC Sump
2. 2" Tapered Threaded Pipe Plug, Qty 2
3. 32" Channel Drain Plaster Shield
4. 32" Channel Drain Anti-Entrapment Cover
5. 10 x 3/4" Flat Head Phillips, 316 SS, Qty 16

P 877-768-2717 F 877-276-POOL Outside the US: P +1-949-336-1940 F +1-949-336-1940

info@aquastarpoolproducts.com www.aquastarpoolproducts.com