

Columbia County Swimming Pool/Spa Permit Application

1338

For Office Use Only

Application # 1906-28 Date Received 4/7 By STW Permit # 38241
 Zoning Official 14 Date 6-14-19 Flood Zone X at site Land Use Res. Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner T.C. Date 6-14-19
 Comments Front 25' Sides 10' Rear 15'
☒ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☐ 911 Sheet (If NO Address Exists) ☐ Owner Builder Disclosure Statement
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
☐ Land Owner Affidavit ☐ Ellisville Water ☐ App Fee Paid ☒ Sub VF Form

Notes:

Septic Permit No. 19-0453 Or City Water System ☐ Fax _____

Applicant (Who will sign/pickup the permit) T S Prevatt Phone 904-796-7128

Address 9904 NW CR 229 Starke, FL 32091

Owners Name Susan ~~Bauer~~ / Mace Bauer, ~~TIWRS~~ Phone 386-867-3706

911 Address 225 SW Stafford Ct Lake City, FL 32024

Contractors Name Thomas Jones - Paragon Pools of North Florida Phone 904-316-9112

Address 9904 NW CR 229 Starke, FL 32091

Contractor Email office@paragon-pools.net ***Include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Donald Poindecker

Mortgage Lenders Name & Address N/A

Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 15-45-16-03023-373 Cost of Construction \$31,000.00

Subdivision Name Callaway Lot 73 Block 1 Unit 1 Phase 3

Driving Directions L on Madison St, L on Marion Ave, R on Dural St, L on FL 247 S, L on SW Callahan Ave, L on Callaway Dr, R on SW Phares Ct way, L on Wilshire, R on Stafford Ct

Residential ☒ OR Commercial ☐

Construction of inground fiberglass pool ADA Compliant ☐ Total Acreage .62

Actual Distance of Pool from Property Lines - Front 100 Side 40 Side 80 Rear 60

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Mace Bauer
Print Owners Name

X Mace Bauer
Owners Signature

****Property owners must sign here before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

[Signature]
Contractor's Signature

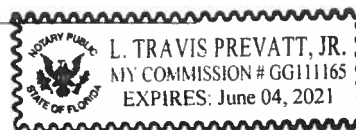
Contractor's License Number #CPC1457105
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6th day of June 2019.

Personally known ☒ or Produced Identification ☐

[Signature]
State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year

updated: 5/9/2019

Parcel: (<<) 15-4S-16-03023-373 (>>)

Owner & Property Info

Result: 1 of 1

Owner	BAUER MACE & SUSAN MARVIN JTWRS 225 SW STAFFORD CT LAKE CITY, FL 32024		
Site	225 STAFFORD CT, LAKE CITY		
Description*	LOT 73 CALLAWAY S/D PHASE 3. WD 1025-512. WD 1065-532.		
Area	0.62 AC	S/T/R	15-4S-16
Use Code**	SINGLE FAM (000100)	Tax District	3

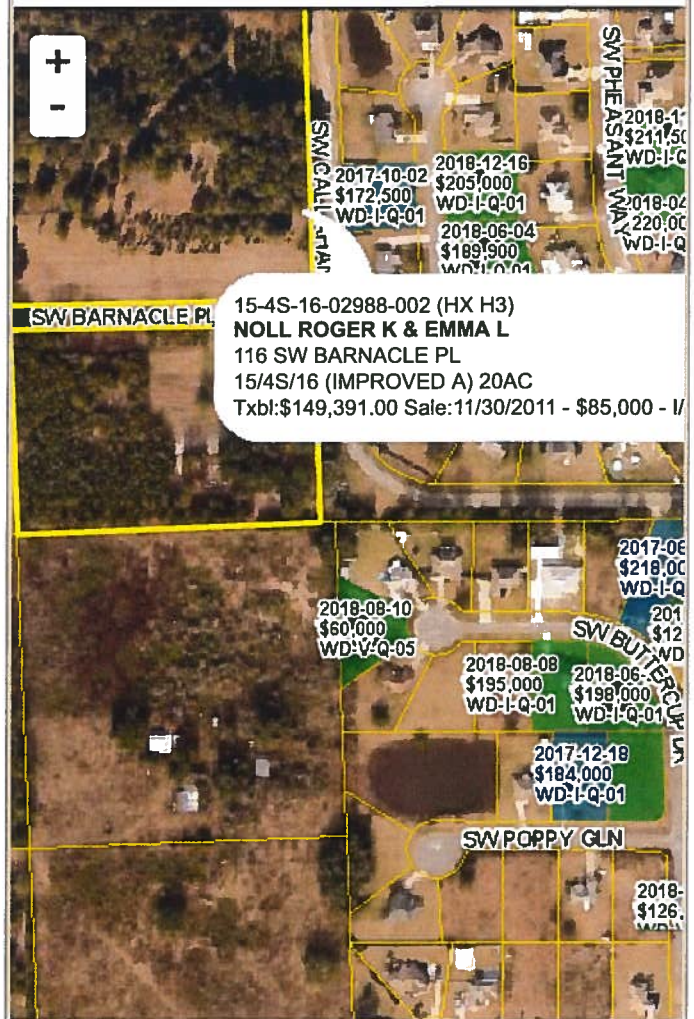
*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	\$14,500	Mkt Land (1)	\$16,000
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$143,308	Building (1)	\$144,303
XFOB (3)	\$5,923	XFOB (3)	\$5,923
Just	\$163,731	Just	\$166,226
Class	\$0	Class	\$0
Appraised	\$163,731	Appraised	\$166,226
SOH Cap [?]	\$1,459	SOH Cap [?]	\$0
Assessed	\$163,422	Assessed	\$166,226
Exempt	HX H3 \$50,000	Exempt	HX H3 \$50,000
Total Taxable	county:\$113,422 city:\$113,422 other:\$113,422 school:\$138,422	Total Taxable	county:\$116,226 city:\$116,226 other:\$116,226 school:\$141,226

Aerial Viewer Pictometry Google Maps

☒ 2019 ☐ 2016 ☐ 2013 ☐ 2010 ☐ 2007 ☐ 2005 ☒ Sales


Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
11/9/2005	\$219,900	1065/0532	WD	I	Q	
8/31/2004	\$23,900	1025/0512	WD	V	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SINGLE FAM (000100)	2005	2046	2753	\$144,303

*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0169	FENCE/WOOD	2005	\$490.00	49.000	0 x 0 x 0	(000.00)
0120	CLFENCE 4	2005	\$1,500.00	250.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	2005	\$3,933.00	1573.000	0 x 0 x 0	(000.00)

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
-----------	------	-------	-------------	----------	------------

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1906-28 JOB NAME Bauer Pool

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL ☒	Print Name <u>Robert E. Hagan</u> Signature <u>[Signature]</u>	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# <u>1925</u>	Company Name: <u>Hazouri Electric Inc</u> License #: <u>EC 000379</u> Phone #: <u>904-591-3444</u>	
MECHANICAL/A/C ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/GAS ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/SPRINKLER ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21, Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

www.columbiacountyfla.com/BuildingandZoning.asp

NOTICE TO SWIMMING POOL OWNERS

I, Mace Bauer have been informed and I understand that prior to the final inspection approval and use of my pool, I will need all the inspections approved and the required fencing installed in accordance with applicable regulations. The Florida Building Code requires private residential swimming pools, hot tubs, or non-portable spas containing water over 24 inches deep to meet the following pool barrier safety feature requirements:

- The pool access must be isolated by a barrier at least 4 feet high and installed around the perimeter of the pool.

Unless the pool is equipped with a safety cover complying with the specifications of American Society for Testing and Materials standard F-1346-91.

- The barrier shall not have any gaps or openings which would allow a child to crawl under, squeeze through or

climb over and must be placed no less than 20 inches from the water's edge.

- Gates located in the pool barrier must open outward away from the pool and be both self-closing and self latching, with a release mechanism not less than 54" above the standing surface at the gate.

- The barrier must be separate from any other fence, wall, or other enclosure surrounding the yard unless the fence, wall or other enclosure or portion thereof is situated on the perimeter of the pool and meets the pool barrier requirements.

- Where a wall of a dwelling serves as part of the barrier **one** of the following shall apply:

- 1) All doors and first floor windows with a sill height of less than 48 inches providing direct access from the home to the pool must be equipped with an alarm that has a minimum sound pressure rating of 85 decibels at 10 feet. The alarm shall sound immediately upon opening the window or door unless the temporary bypass mechanism is activated.

- 2) **Or;** all doors providing direct access from the home to the pool must be equipped with a self-closing, self-latching device with a release mechanism located at least 54 inches above the floor.

According to Florida statutes chapter 515: Residential Swimming Pool Safety Act, failure to comply with these requirements is a misdemeanor of the second degree, punishable by imprisonment for up to 60 days or a fine of up to \$500, except that no penalty shall be imposed if within 45 days after arrest or issuance of a summons or notice to appear, the pool is equipped with the aforementioned safety features and the responsible person attends a drowning prevention education program developed by the Florida Department of Health. I also understand that there are several inspections required in addition to a final inspection for my swimming pool.

x Mace Bauer
Owner Signature / Date

Address: 225 SW Stafford Ct Lake City, FL 32024

22/2 6-5-19
Contractor Signature / Date

#CPC1457105
License Number

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

Clerk's Office Stamp

Inst: 201912012778 Date: 06/07/2019 Time: 11:56AM
Page 1 of 1 B: 1386 P: 86, P. DeWitt Cason, Clerk of Court Colum
County, By: BD
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Parcel ID 15-45-16-03023-373
a) Street (job) Address: 225 SW Stafford Ct Lake City, FL 32024
2. General description of improvements: Inground fiberglass pool installation
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
a) Name and address: Mace Bauer
b) Name and address of fee simple titleholder (if other than owner): N/A
c) Interest in property: 100%
4. Contractor Information
a) Name and address: Thomas Jones - Paragon Pools 9904 NW CR 229 Starke, FL
b) Telephone No.: 904-316-9112
5. Surety Information (if applicable, a copy of the payment bond is attached):
a) Name and address: N/A
b) Amount of Bond: N/A
c) Telephone No.: N/A
6. Lender
a) Name and address: N/A
b) Phone No.: N/A
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
a) Name and address: N/A
b) Telephone No.: N/A
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name: N/A OF _____
b) Telephone No.: N/A
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

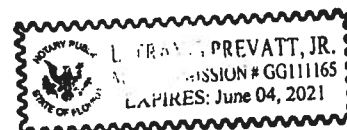
10. X Mace Bauer
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager
Mace Bauer Owner
Printed Name and Signatory's Title/Office

The foregoing Instrument was acknowledged before me, a Florida Notary, this 6th day of June, 2019 by:

Mace Bauer as Owner for _____
(Name of Person) (Type of Authority) (name of party on behalf of whom Instrument was executed)

Personally Known ☒ OR Produced Identification ☐ Type _____

Notary Signature [Signature] Notary Stamp or Seal:



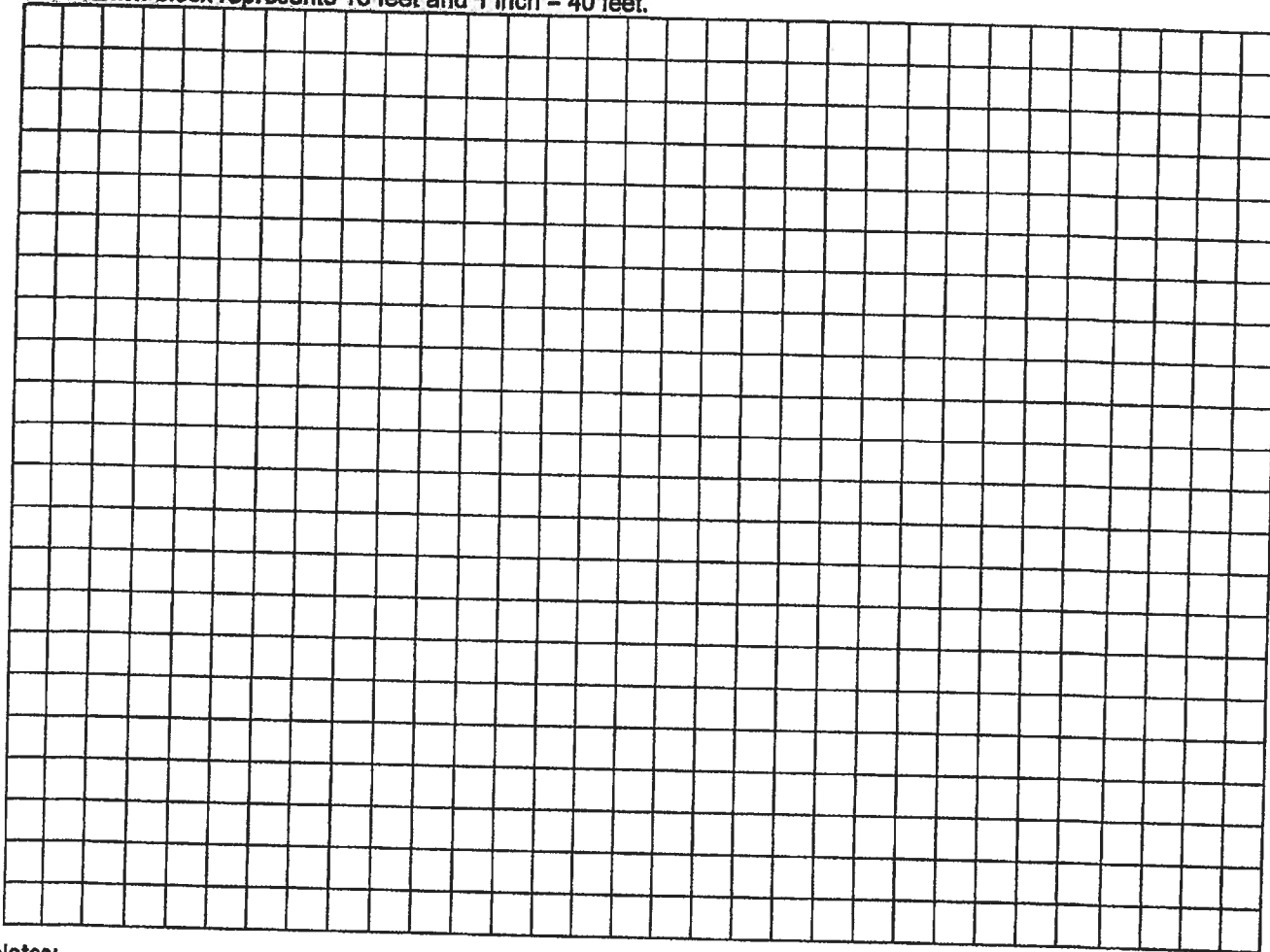
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number

19-0453

----- PART II - SITEPLAN -----

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes:

See attached site planSite Plan submitted by: [Signature]Plan Approved ☒Not Approved ☐

Date

6/13/19

By

ESRColumbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Legend

Parcels

Roads

- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

Addressing:2018 Base Flood Elevations Group

2018 Base Flood Elevations

DEFAULT

Base Flood Elevations

2018 Base Flood Elevation Zones

0.2 PCT ANNUAL CHANCE

- A
- AE
- AH

2018 Flood Zones

0.2 PCT ANNUAL CHANCE

- A
- AE
- AH

Contours

default{Contours.shp}

DEFAULT

DevZones1

- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-1
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3
- DEFAULT

2018Aerials



Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Jun 14 2019 08:20:17 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 15-4S-16-03023-373

Owner: BAUER MACE &

Subdivision: CALLAWAY UNIT 3

Lot:

Acres: 0.6304236

Deed Acres:

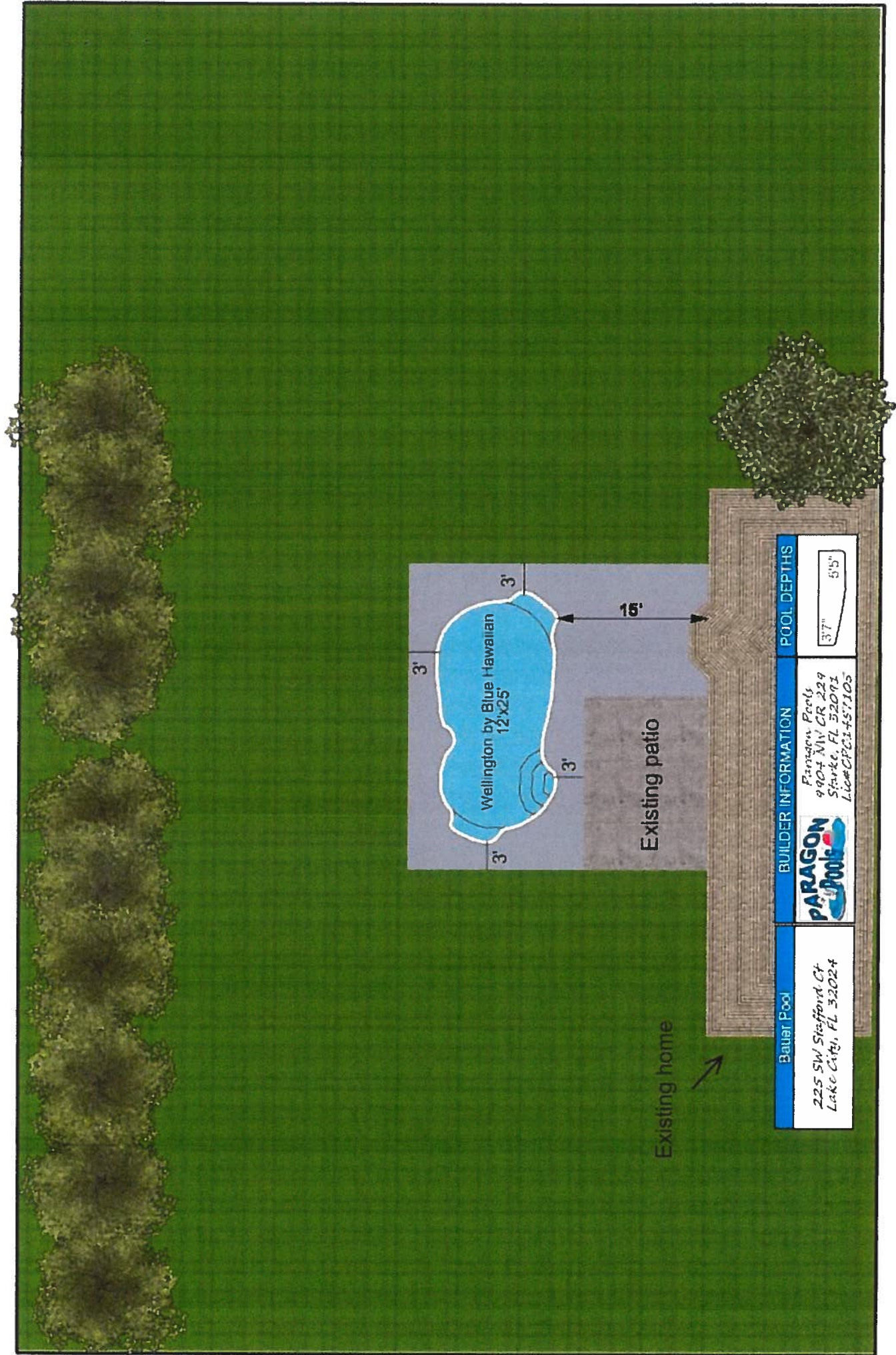
District: District 3 Bucky Nash

Future Land Uses: Residential - Low, Residential - Very Low

Flood Zones:

Official Zoning Atlas: RR, RSF-2

All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness of completeness. Columbia County, FL makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, and update.





Columbia County Property Appraiser Jeff Hampton | Lake City, Florida | 386-758-1083

PARCEL: 15-4S-16-03023-373 HX H3 | SINGLE FAM (000100) | 0.62 AC

LOT 73 CALLAWAY S/D PHASE 3. WD 1025-512. WD 1065-532.

BAUER MACE &

Owner: SUSAN MARVIN JTWRS
225 SW STAFFORD CT
LAKE CITY, FL 32024

Site: 225 STAFFORD CT, LAKE
CITY

Sales 11/9/2005 \$219,900 I (Q)
Info 8/31/2004 \$23,900 V (Q)

2018 Certified Values

Mkt Lnd	\$16,000	Appraised	\$166,226
Ag Lnd	\$0	Assessed	\$166,226
Bldg	\$144,303	Exempt	\$50,000
XFOB	\$5,923		
Just	\$166,226	Total	county:\$116,226
		Taxable	city:\$116,226
			other:\$116,226
			school:\$141,226

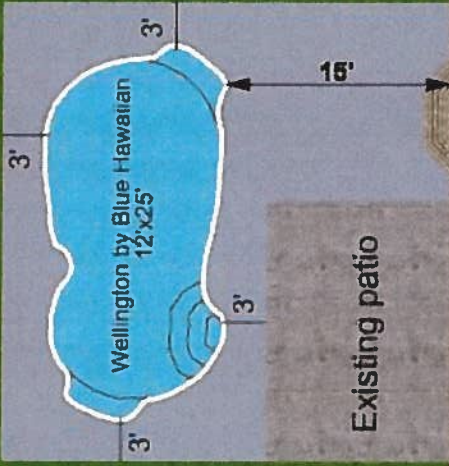
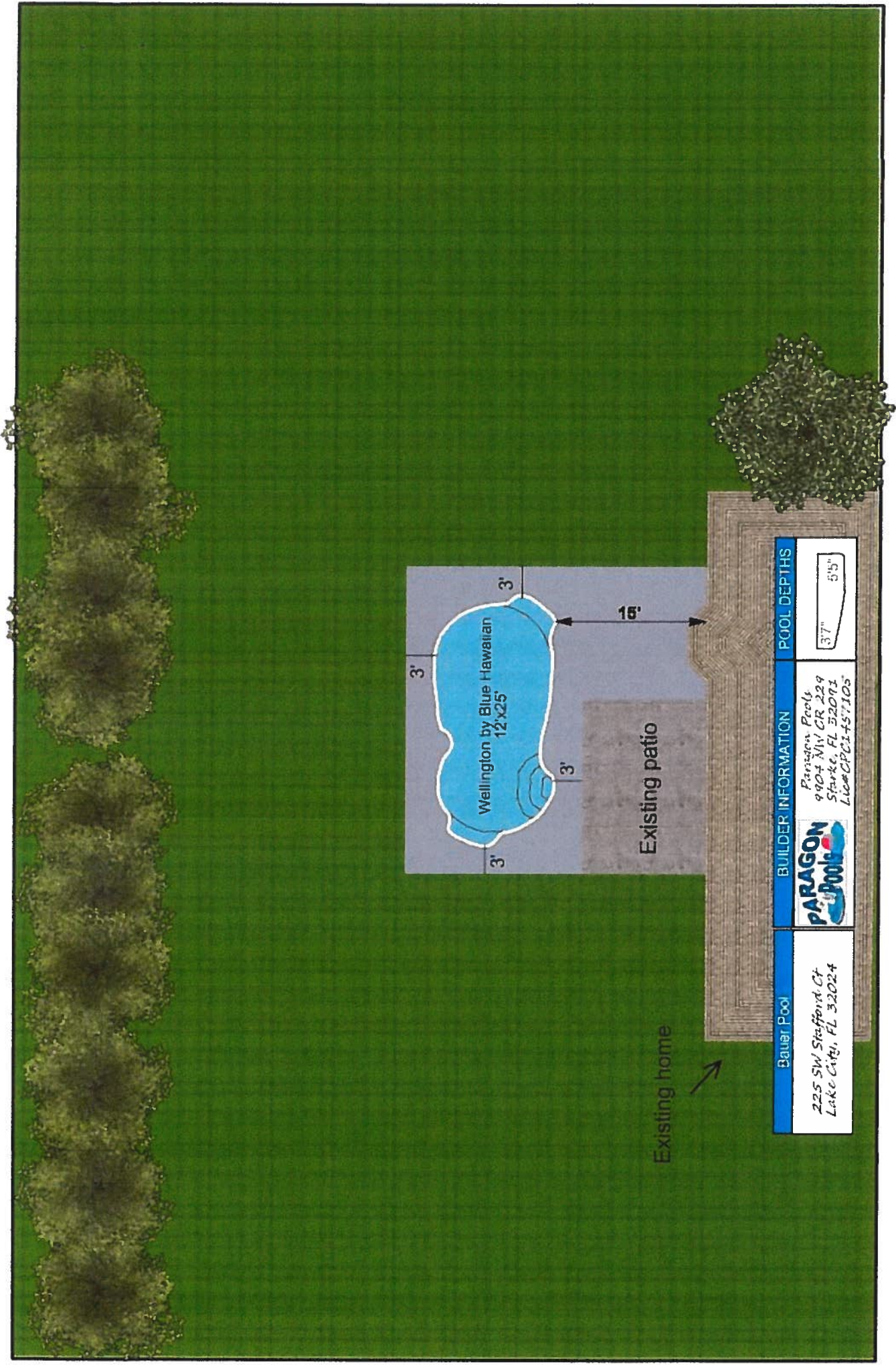
NOTES:



Columbia County, FL

This information, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office.

GrizzlyLogic.com



Existing home
↗

BUILDER INFORMATION		PPOOL DEPTHS
PARAGON Pools 225 SW Stafford Ct Lake City, FL 32024	<i>Paragon Pools</i> 9904 NW CR 229 Starke, FL 32093 LIC#CPC1457105	3'7" 5'5"

General Notes

General

The swimming pools and spas consist of one-piece fiberglass construction, shell formed over a mold. The material is fiberglass reinforced plastic (FRP), a minimum of 1/4 inch (6.4 mm) thick, composed of isophthalic resin, vinyl ester resin, and fiberglass. The surface finish is a non-penetrating gel coat. Blue Hawaiian Pools, a fiberglass division of Latham Pool Products Inc. (BHP) produces various styles of swimming pools and spas. When installed in accordance to BHP Pools installation procedures, the pools and spas comply with applicable requirements of the following codes:

- 2015/2018 International Residential Code® (IRC)
- 2018 International Residential Code (IRC)
- 1997 Uniform Building Code (UBC)
- BOCA® National Building Code/2003 (NBBC)
- 2018 International Plumbing Code® (IPC)
- 2012/2015 IAPMO Uniform Plumbing Code (UPC)
- 2003 ANSI/APSP-5 Residential Inground Swimming Pools
- 2012 ANSI/APSP-ICC-5a Residential Inground Swimming Pools
- 2014 ANSI/APSP-ICC-3 Permanently Installed Residential Spas and Swim Spas
- 2017 Florida Building Code 6th Edition
- 2017 Florida Plumbing Code 6th Edition
- 2017 Florida Fuel/Gas Code 6th Edition
- 2017 Florida Mechanical Code 6th Edition
- 2017 Florida Residential Code 6th Edition
- 2006 ANSI/APSP-7
- 2013 ANSI/APSP-ICC-7 Suction Entrapment Avoidance
- 2011 ANSI/APSP-16
- 2018 International Swimming Pool and Spa Code - (ISPS-ICC)
- 2007 ANSI/APSP-112.1B.8
- 2014/2017 National Electric Code (NEC)
- 2015 Uniform Swimming Pool, Spa, Hot Tub Code (UPSMO)

The overall pool dimensions, depths and capacities are shown in Table 1 and Table 4. The units comply with ANSI/APSP-5, specified in Section AG103.1 of the IRC, and IAPMO ICS-2000, specified in the UPC.

Models described in Table 2, Table 3, and Table 4 can be placed up to 19-1/2 inches (49.5mm) above ground. These pools and spas may be placed with or without concrete or wood decking. Unless elevated portions of the units are protected from sunlight by soil berms, decking, etc., these portions must be coated with a UV-inhibiting opaque paint that is compatible with the laminate.

All plumbing must comply with the IPC or UPC. Electrical work must comply with the code in effect at the construction site. The pool and spa must remain full of water at all times. A permanent sign, bearing the following statement, must be attached to the pumping equipment. Notice-The pool or spa is designed to remain full of water at all times. The pool shell may be damaged if the water level is allowed to drop below the skimmer. When appreciable draw-down is noticed or if it becomes necessary to drain the pool or spa, contact BHP Pools or its dealers for instructions.

A permanent label must be installed adjacent to the above sign indicating the BHP Pools dealer's name, address and telephone number.

Installation Procedure:

- BHP pools and spas may be installed without a soil investigation by a registered design professional (RDP), subject to the building official's approval, provided none of the following conditions are encountered at the site:
- 1. The existence of uncontrollable groundwater within the depth of the pool or spa excavation.
- 2. The existence of an uncompacted fill in contact with any portion of the pool or spa.
- 3. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
- 4. Danger to adjacent structures posed by the proposed pool or spa location.
- 5. The existence of any cracks or openings in soil that would not confine sand or 1/2" clean gravel bedding.

If any of the conditions above is encountered, excavation must cease

immediately. The specified conditions at the site must then be reviewed and recommendations made by the RDP. The building official must approve the RDP's report before work is completed.

1. The construction and pool/spa installation comply with this report and the manufacturer's instructions.

2. Electrical and plumbing installation comply with the respective codes in effect at the construction site.

3. That all pools are installed in accordance with manufacturer's recommendations.

4. That the pools are produced by Blue Hawaiian Pools, 176 Viking Drive, Industrial Park, West Virginia, Blue Hawaiian Pools, 121 Crawford Road, Williams, California Blue Hawaiian Pools, 40119 Country Road 54E, Zephyrhills, FL are manufactured under a quality control program with inspections by Columbia Research & Testing Corporation (AA-527).

This backfill layer is compacted using a manual tamper and water. The pool or spa is then set into place using a crane, excavator or manually and be within 1 inch (25mm) of level. Simultaneous backfill and backfill operations then commence. The backfill is compacted with a tamper and water. The installer must ensure that the backfill level and water level are approximately the same throughout this procedure.

After completion of the backfill and plumbing, the decking is placed. Decks are prepared as indicated in Figures 1 through 4.

- 1. Canistered concrete decks are constructed as noted in Figure 1 in all cases.
- 2. Canistered decks are constructed with brick or stone as noted in Figure 2 in all cases.
- 3. Raised bond beams are constructed as noted in Figure 3 in all cases.
- 4. Aboveground installations are constructed as noted in Figure 4 in all cases.

Barriers are required where pools are on premises of UBC Group R, Division 3, Occupancies or IBC Group R Occupancies. The barriers must comply with Appendix Chapter 4, Division 1, of the UBC or Section 3109.4 of the IBC.

Expansive soils:

For installation of pools or spas in expansive soils, the following additional installation details must be followed subject to code official's approval:

- 1. All surfaces adjacent to the pool or spas must be excavated to a minimum depth of 12 inches (305 mm) beneath the pool bottom and minimum 6 inches (152 mm) behind the pool walls.
- 2. Any soft or loose soils exposed by step 1 must be removed until exposed material is solid. If the soil is still soft and loose, the upper 6 inches (152 mm) of all horizontal excavation surfaces must be scarified and compacted with mechanical equipment. The compacted surfaces and the excavated wall surfaces must be maintained in a moist condition until the first lift of backfill or fill is placed against the surface. The term compaction implies any method necessary to consolidate the native and fill materials to keep the pool or structure from settling.
- 3. The excavated bottom area of the pool or spa must be backfilled with granular import material to approximately 6 inches (152 mm) below the bottom of the pool or spa, wetted and compacted.
- 4. The remaining 6 inches (152 mm) must be backfilled beneath the pool or spa and outside the pool walls with compacted clean sand. The pool or spa must be filled with water as backfilling progresses to a level equivalent to that of the backfill. The backfill must be placed in compacted layers of approximately 6 inches (152 mm) while a uniform height of backfill is maintained around the pool or spa.
- 5. Positive surface drainage away from the perimeter of the pool and surrounding deck is required and critical to installations in highly expansive soils. Surface area drains and surface drainage swales or subdrains must be placed as needed to prevent ponding or saturation of the soil around the perimeter and vicinity of the pool to prevent excessive shrink-swell or volume changes in the soil.

Identification:

BHP pools and spas are identified by the following information imprinted on the top step of the pool or spa: manufacturer's name (BHP Pools) and address, pool or spa model designation, a coded serial number and the evaluation report number (ESR-2014).

The units also bear the label of the quality control agency, Columbia Research & Testing Corporation (AA-527).

Findings: That the fiberglass one piece swimming pools and spas are

in compliance with the above listed codes as noted in ESR-2014 subject to the following conditions:

- 1. The construction and pool/spa installation comply with this report and the manufacturer's instructions.
- 2. Electrical and plumbing installation comply with the respective codes in effect at the construction site.
- 3. That all pools are installed in accordance with manufacturer's recommendations.
- 4. That the pools are produced by Blue Hawaiian Pools, 176 Viking Drive, Industrial Park, West Virginia, Blue Hawaiian Pools, 121 Crawford Road, Williams, California Blue Hawaiian Pools, 40119 Country Road 54E, Zephyrhills, FL are manufactured under a quality control program with inspections by Columbia Research & Testing Corporation (AA-527).

This backfill layer is compacted using a manual tamper and water. The pool or spa is then set into place using a crane, excavator or manually and be within 1 inch (25mm) of level. Simultaneous backfill and backfill operations then commence. The backfill is compacted with a tamper and water. The installer must ensure that the backfill level and water level are approximately the same throughout this procedure.

After completion of the backfill and plumbing, the decking is placed. Decks are prepared as indicated in Figures 1 through 4.

- 1. Canistered concrete decks are constructed as noted in Figure 1 in all cases.
- 2. Canistered decks are constructed with brick or stone as noted in Figure 2 in all cases.
- 3. Raised bond beams are constructed as noted in Figure 3 in all cases.
- 4. Aboveground installations are constructed as noted in Figure 4 in all cases.

Barriers are required where pools are on premises of UBC Group R, Division 3, Occupancies or IBC Group R Occupancies. The barriers must comply with Appendix Chapter 4, Division 1, of the UBC or Section 3109.4 of the IBC.

For installation of pools or spas in expansive soils, the following additional installation details must be followed subject to code official's approval:

- 1. All surfaces adjacent to the pool or spas must be excavated to a minimum depth of 12 inches (305 mm) beneath the pool bottom and minimum 6 inches (152 mm) behind the pool walls.
- 2. Any soft or loose soils exposed by step 1 must be removed until exposed material is solid. If the soil is still soft and loose, the upper 6 inches (152 mm) of all horizontal excavation surfaces must be scarified and compacted with mechanical equipment. The compacted surfaces and the excavated wall surfaces must be maintained in a moist condition until the first lift of backfill or fill is placed against the surface. The term compaction implies any method necessary to consolidate the native and fill materials to keep the pool or structure from settling.
- 3. The excavated bottom area of the pool or spa must be backfilled with granular import material to approximately 6 inches (152 mm) below the bottom of the pool or spa, wetted and compacted.
- 4. The remaining 6 inches (152 mm) must be backfilled beneath the pool or spa and outside the pool walls with compacted clean sand. The pool or spa must be filled with water as backfilling progresses to a level equivalent to that of the backfill. The backfill must be placed in compacted layers of approximately 6 inches (152 mm) while a uniform height of backfill is maintained around the pool or spa.
- 5. Positive surface drainage away from the perimeter of the pool and surrounding deck is required and critical to installations in highly expansive soils. Surface area drains and surface drainage swales or subdrains must be placed as needed to prevent ponding or saturation of the soil around the perimeter and vicinity of the pool to prevent excessive shrink-swell or volume changes in the soil.

Page 1	General Notes
Page 2	Expansive Soils
Page 3	Tables 1-4
Page 4-6	Figures 1-4
Page 7	Pool Models
Page 8	Spa Models
Page 9	Hydro Zone Models
Page 10	Alternative Recirculation Systems

Length, width and depth may vary up to 3% all dimensions are to outside edge of coping measured from parallel line

Latham Pool Products Inc. DBA Blue Hawaiian Pools

ICC Evaluation Report Number (ESR-2014)

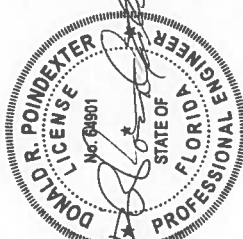
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Latham, NY Phone (800) 833-3800
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214



Reviewed by

Donald R. Poindexter PE
Florida Lic. No. 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-8761

Sai



Page

1

of 8

Project Name and Address

Contractor

Date

TABLE 1-1- POOLS

POOL	CODE	SIZE	WIDTH x LENGTH	DEPTHS	GALLONS	WATER	PAGE	POOL
					APPROX.	SURFACE AREA		TYPE
Apollo	AP	16' 38"	3' 6" x 5' 10"	3' 6" x 5' 10"	17,500	555	PAGE 4	TYPE 0
Arctida	AC	15' 30" x 39' 7"	3' 5" x 7' 11"	3' 5" x 7' 11"	19,600	506	PAGE 4	TYPE 1
Arbury	B	11' 10" x 25' 5"	4' 6"	4' 6"	8,100	264	PAGE 5	TYPE 0
Athens	AT	16' 40"	3' 8" x 8'	3' 8" x 8'	21,000	585	PAGE 4	TYPE 1
Balboa	MP	9' 6" x 14' 6"	4' 4"	4' 4"	2,500	115	PAGE 5	TYPE 0
Bay Isle	BHBY	14' 6" x 26' 10"	3' 6"	3' 6"	10,000	318	PAGE 5	TYPE 0
Bay Shore	BHBA	14' 5" x 30'	3' 11" x 5' 10"	3' 11" x 5' 10"	9,500	298	PAGE 5	TYPE 0
Blue Isle	BHBI	15' 34'	3' 6" x 6' 6"	3' 6" x 6' 6"	13,000	410	PAGE 6	TYPE 0
Bristol	FR14	14' 30'	3' 6" x 6'	3' 6" x 6'	11,200	377	PAGE 5	TYPE 0
Cape Cod	CA	14' 31'	3' 6" x 6'	3' 6" x 6'	12,000	325	PAGE 4	TYPE 0
Cape May	CM	12' 3" x 23' 11"	3' 6" x 5'	3' 6" x 5'	6,000	211	PAGE 4	TYPE 0
Cayman	FR22	12' 26"	3' 6" x 5' 8"	3' 6" x 5' 8"	7,600	275	PAGE 6	TYPE 0
Classic Cove	BHCC	13' 6" x 32' 10"	3' 6" x 7"	3' 6" x 7"	11,300	376	PAGE 5	TYPE 0
Grand Isle	BHGI	16' 42'	3' 7"	3' 7"	19,300	516	PAGE 4	TYPE 0
Hamilton	HMT	15' 34'	3' 6" x 6'	3' 6" x 6'	12,000	369	PAGE 5	TYPE 0
Harmony	CTL	10' x 18'	4'	4'	2,550	135	PAGE 6	TYPE 0
Island Cove	ARU	11' 22'	3' 6" x 5'	3' 6" x 5'	5,200	177	PAGE 5	TYPE 0
Java	JV	12' 26' 9"	3' 6" x 5' 5"	3' 6" x 5' 5"	6,800	233	PAGE 4	TYPE 0
Laredo	LD	9' 10" x 19' 9"	3' 2" x 5'	3' 2" x 5'	3,750	138	PAGE 5	TYPE 0
Lansington	LN	16' 36'	3' 6" x 7'	3' 6" x 7'	18,000	451	PAGE 5	TYPE 0
Manana	MT	14' 35'	3' 7" x 5' 7"	3' 7" x 5' 7"	12,400	388	PAGE 4	TYPE 0
Nautilus	FRX	15' 10' x 40'	3' 6" x 7'	3' 6" x 7'	15,600	548	PAGE 6	TYPE 0
Newport	RP	14' 30'	3' 7" x 5' 11"	3' 7" x 5' 11"	12,800	314	PAGE 5	TYPE 0
Olympic Bay	BHOB	16' 41'	3' 6" x 7'	3' 6" x 7'	23,000	656	PAGE 5	TYPE 0
Panama I	BL	11' 10' x 35' 38"	4' 6" x 4' 6"	4' 6" x 4' 6"	Varies	Varies	PAGE 6	TYPE 0
Panama II	BL	11' 10' x 35' 45"	4' 6" x 4' 6"	4' 6" x 4' 6"	Varies	Varies	PAGE 6	TYPE 0
Phoenix	PJ	15' 34'	3' 6" x 6'	3' 6" x 6'	12,000	375	PAGE 4	TYPE 0
Pleasant Cove	BHPL	11' 24'	3' 5" x 5' 6"	3' 5" x 5' 6"	5,000	173	PAGE 5	TYPE 0
Portia	OB	16' 40'	3' 6" x 5' 8"	3' 6" x 5' 8"	18,900	585	PAGE 4	TYPE 0
Regatta	FR16	16' 35'	3' 6" x 6' 6"	3' 6" x 6' 6"	15,250	510	PAGE 6	TYPE 0
Sandy Cove	BH38	11' 18'	4' 1"	4' 1"	3,600	177	PAGE 6	TYPE 0
Sea Cove	BHSC	12' 24'	4' 6" x 4"	4' 6" x 4"	7,000	209	PAGE 5	TYPE 0
Seahaven	RT16	15' 10' x 40'	3' 6" x 7'	3' 6" x 7'	15,400	563	PAGE 6	TYPE 0
Sea Shore	BHSH	12' 26'	3' 6" x 6'	3' 6" x 6'	7,000	264	PAGE 5	TYPE 0
Seawall	BHSR	12' 24' 6"	3' 4' x 5' 6"	3' 4' x 5' 6"	6,000	204	PAGE 6	TYPE 0
Sleeta	SR	16' 39'	3' 6" x 6'	3' 6" x 6'	16,300	500	PAGE 4	TYPE 0
Southwind	BHSW	15' 34'	3' 7' x 6' 10"	3' 7' x 6' 10"	14,000	424	PAGE 5	TYPE 0
St Augustine	ST	14' 6" x 27' 7"	3' 7" x 5' 10"	3' 7" x 5' 10"	10,000	288	PAGE 4	TYPE 0
Sunburst	CD	16' 33'	3' 7' x 5' 5"	3' 7' x 5' 5"	15,000	480	PAGE 4	TYPE 0
Sunset Bay	BHSY	14' 32'	3' 4" x 5' 5"	3' 4" x 5' 5"	10,000	365	PAGE 6	TYPE 0
Three Moon Bay	BHTB	15' 34'	3' 8" x 5' 6"	3' 8" x 5' 6"	12,000	477	PAGE 6	TYPE 0
Trident	L	14' 31' 6"	3' 7' x 7'	3' 7' x 7'	13,700	396	PAGE 4	TYPE 0
Twin Cove	BHTC	11' 7" x 27' 6"	3' 3" x 5' 1"	3' 3" x 5' 1"	6,800	233	PAGE 5	TYPE 0
Venus	V	14' 33'	3' 7" x 5' 4"	3' 7" x 5' 4"	11,700	416	PAGE 4	TYPE 0
Viviana	GS	15' 7" x 34' 8"	3' 7" x 5' 10"	3' 7" x 5' 10"	15,000	423	PAGE 4	TYPE 0
Vista Isle	BHVI	12' 28'	3' 6" x 10"	3' 6" x 10"	8,000	294	PAGE 5	TYPE 0
Wellington	FP	12' 25' 1"	3' 7' x 5' 5"	3' 7' x 5' 5"	6,000	213	PAGE 4	TYPE 0

TABLE 2-2- POOLS

ABOVE GROUND INSTALLATION	SERIES	SERIES
ARU	CM	MP
B	MP	MP
LD	IV	IV
BHCV	BHPL	BHPL
BHBB	BHSC	BHSC
BHSH	BHSH	BHSH
BHTC	BHVI	BHVI
FP	FP	FP

TABLE 3-3- SPAS

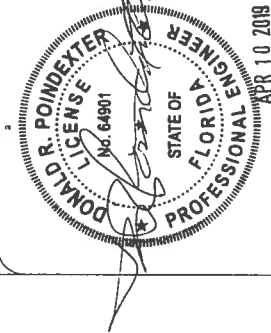
SPAS	CODE	SIZE	WIDTH x LENGTH	DEPTHS	GALLONS	WATER	PAGE
					APPROX.	SURFACE AREA	
Ewa Falls	RG	8' x 10'	3' 4"	3' 4"	600	52	PAGE 6
Hana	RGSW	9' x 10'	3' 4"	3' 4"	600	52	PAGE 6
Hana Falls	LOS	7' 6" x 7' 6"	3'	3'	450	37	PAGE 6
Hilo	LOS	7' 6" x 8' 6"	3'	3'	450	37	PAGE 6
Kahana	RY	8' x 10'	3' 4"	3' 4"	600	63	PAGE 6
Hilo Falls	RYSW	8' 10" x 10'	3' 4"	3' 4"	600	63	PAGE 6
Kahana	SPKM	7' 10'	3'	3'	350	53	PAGE 6
Kona	BOSS	8' 4" x 8' 4"	3'	3'	475	45	PAGE 6
Kona Falls	BOSSW	8' 4" x 9' 4"	3'	3'	475	45	PAGE 6
Kula	LRS	7' x 7'	3'	3'	420	31	PAGE 6
Kula Falls	LRSW	7' x 8'	3'	3'	420	31	PAGE 6
Manoa	M	10' x 10'	3' 4"	3' 4"	550	64	PAGE 6
Manoa Falls	MSW	10' x 11'	3' 4"	3' 4"	550	64	PAGE 6
Molokai	CS	8' x 12' 5"	3'	3'	700	73	PAGE 6
Molokai Falls	CSSW	9' x 12' 5"	3'	3'	700	73	PAGE 6
Rectangular tanning ledge	RTL	7' 6" x 15' 8"	10"	10"	900	105	PAGE 6
Semicircle	TSCI	8' 4" x 16'	10"	10"	400	92	PAGE 6

TABLE 4-4- POOLS

POOL	CODE	SIZE	DEPTHS	GALLONS	PAGE	POOL
				APPROX.	NUMBER	TYPE
HZDXL	HZDXL	8'-6" x 18'	3'-3", 5'	3000	6	Type 0
HZE	HZE	8'-6" x 18'	5'	3600	6	Type 0

Reviewed by

Donald R. Pondexter PE
Florida Lic No. 64901
4119 Trnly Dr Santa Rosa CA 95405
Phone 707-494-8761



Page

2

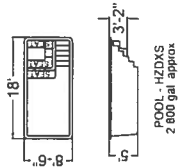
of 8

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

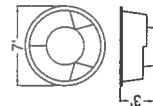
NOTES

Length, width and depth may vary up to 3% all dimensions are to outside edge of coping measured from parallel lines

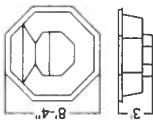
Length, width and depth may vary up to 3% all dimensions are to outside edge of coping measured from parallel lines



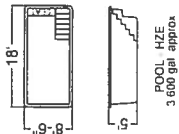
KULA FALLS - LRSW
420 Gal Approx



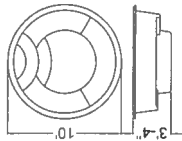
KULA - LRS
420 Gal Approx



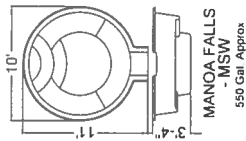
KONA - BOS
475 Gal Approx



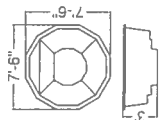
KONA FALLS - BOSSW
475 Gal Approx



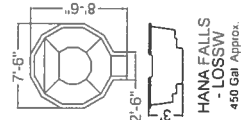
MANOA - M
550 Gal Approx



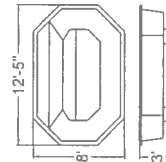
MANOA FALLS - MSW
550 Gal Approx



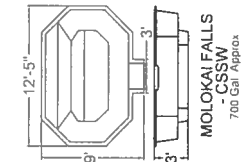
HANA - LOS
450 Gal Approx



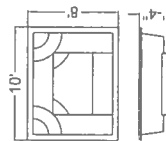
HANA FALLS - LOSSW
450 Gal Approx



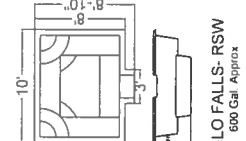
MOLOKAI - CS
700 Gal Approx



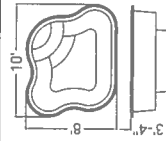
MOLOKAI FALLS - CSSW
700 Gal Approx



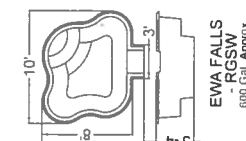
HILO - RY
600 Gal Approx



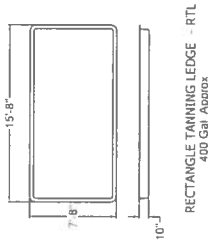
HILO FALLS - RSW
600 Gal Approx



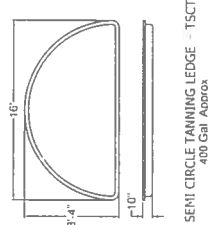
EWA - RG
600 Gal Approx



EWA FALLS - RGSW
600 Gal Approx



RECTANGLE TANNING LEDGE - RTL
400 Gal Approx



SEMI CIRCLE TANNING LEDGE - TST
400 Gal Approx

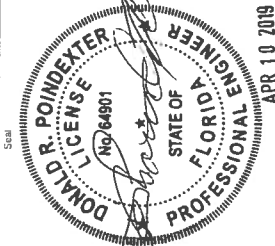


POOL - HZE
3 600 gal approx



POOL - HZDXS
2 800 gal approx

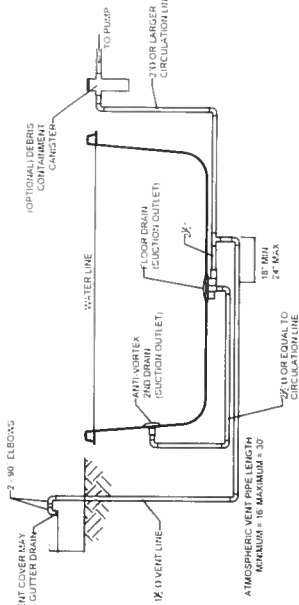
Reviewed by
Donald R. Poindexter PE
Florida Lic No. 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-5761



Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

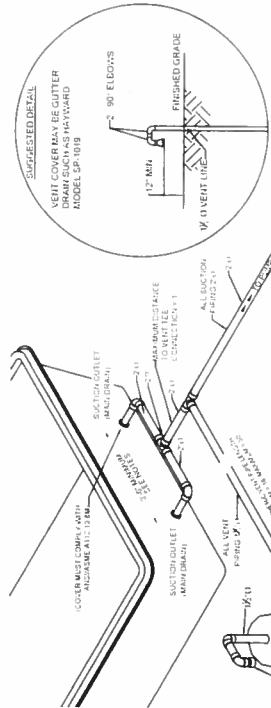
2. EXISTING USE IS TO BE MAINTAINED UNLESS OTHERWISE NOTED

DERIS REMOVAL SYSTEM
SUCTION OUTLET DETAILS



GENERAL NOTES

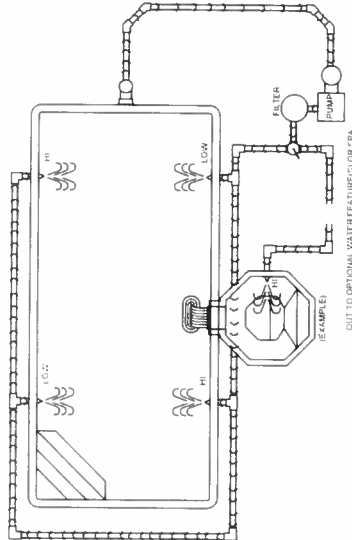
1. THE DERIS REMOVAL SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH DRAIN MANUFACTURER'S RECOMMENDATIONS
2. THE BACKUP SYSTEM IN ACCORDANCE WITH SECTION 4.4.2.6.6 FBC BUILDING
3. ALL PIPING TO BE SCHEDULE 40 PIP BEARING NSF APPROVAL UNLESS OTHERWISE NOTED FOR BUILDING AND RESIDENTIAL
4. THE FLOOR DRAIN MEETS THE REQUIREMENTS OF ANSIS A112.19.1.2007 AND DRAIN COVERS MEET THE
5. THIS DRAWING WILL SUPPLEMENT CONTRACTOR'S SPECIFICATION DRAWING ON FILE FOR METHODS AND
6. MATERIALS OF CONSTRUCTION. REFER TO CONTRACTOR'S ENGINEERED AND SEALED SPECIFICATION DRAWING ON
7. THE MAXIMUM VACUUM WITH ONE SUMP PLUGGED AND TO RELEASE A BODY ENTRAPMENT ON THE OTHER SUMP WILL NOT EXCEED 4.5 INCHES
8. MAXIMUM SUMP PIPE VELOCITY SIX (6) FPS OR 59 GPM
9. AN APPROVED VACUUM RELEASE SYSTEM SUCH AS THE VAC-ALERT SYSTEM IS AN ALTERNATIVE TO THE OTHER SYSTEMS SHOWN



NOTES
1. ALTERNATIVE SUCTION OUTLET SYSTEM
2. THE VENT PIPE SHALL BE INSTALLED ON
THE VERTICAL WALL OR ONE EACH ON
TWO (2) SEPARATE VERTICAL WALLS

DUAL SUCTION OUTLETS IN PARALLEL WITH OPTIONAL ATMOSPHERIC VENT SYSTEM
TO BE INSTALLED IN ACCORD WITH SECTION 4.4.2.6.6.2007 FLORIDA BUILDING CODE BUILDING
AND SECTION 4.4.2.6.6.2017 FLORIDA BUILDING CODE RESIDENTIAL INCLUDING 2009 SUPPLEMENT
2013 AND 2015 FLORIDA BUILDING CODE RESIDENTIAL
2013 AND 2015 FLORIDA BUILDING CODE RESIDENTIAL

SWIMMING POOL WITHOUT RECIRCULATION DRAIN



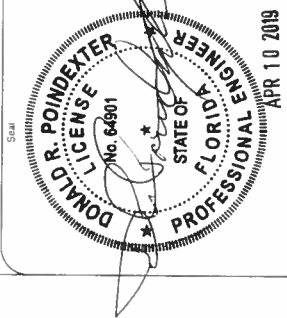
1. EXISTING USE IS TO BE MAINTAINED UNLESS OTHERWISE NOTED
2. EXISTING USE IS TO BE MAINTAINED UNLESS OTHERWISE NOTED
3. EXISTING USE IS TO BE MAINTAINED UNLESS OTHERWISE NOTED
4. EXISTING USE IS TO BE MAINTAINED UNLESS OTHERWISE NOTED



Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone: (800) 833-8800
Jane Lew, WV Phone: (304) 884-6954 Fax: (304) 884-7198
Midland, TX Phone: (432) 561-9933 Fax: (432) 561-9934
Williams, CA Phone: (530) 473-5319 Fax: (530) 473-5393
Zephyrhills, FL Phone: (813) 783-7439 Fax: (813) 783-7214

Page 8 of 8

Reviewed by
Donald R. Ponder, PE
Florida Lic. No. 64901
4119 Timmy Dr Santa Rosa CA 95405
Phone 707-494-8761



General Notes

General
The swimming pools and spas consist of one piece fiberglass construction she-formed over a mold. The material is fiberglass reinforced plastic (FRP), a minimum of 1/4 inch (6.4 mm) thick, composed of isophthalic resin, vinyl ester resin and fiberglass. The surface finish is a non-porous gel coat. Blue Hawaiian Pools, a fiberglass division of Latham Pool Products Inc. (BHP) produces various styles of swimming pools and spas. When installed in accordance to BHP Pools installation procedures, the pools and spas comply with applicable requirements of the following codes:
2015/2018 International Building Code® (IBC)
2018 International Residential Code (IRC)
1997 Uniform Building Code (UBC)
BOCA® National Building Code/2003 (NBBC)
2018 International Plumbing Code® (IPC)
2012/2015 IAPMO Uniform Plumbing Code (IAPMO UPC)
2003 ANSI/APSP-5 Residential Inground Swimming Pools
2012 ANSI/APSP/ICC 5a Residential Inground Swimming Pools
2014 ANSI/APSP/ICC-3 Permanently Installed Residential Spas and Swim Spas
2017 Florida Building Code 6th Edition
2017 Florida Plumbing Code 6th Edition
2017 Florida Fuel/Gas Code 6th Edition
2017 Florida Mechanical Code 6th Edition
2017 Florida Residential Code 6th Edition
2008 ANSI/APSP-7
2011 ANSI/APSP-16
2013 International Swimming Pool and Spa Code
2007 ASCE/AIA 11.19.8
2014/2017 National Electrical Code (NEC)
2015 Uniform Swimming Pool, Spa, Hot Tub Code (IAPMO)

The overall pool dimensions, depths and capacities are shown in Table 1 and Table 4. The units comply with ANSI/APSP 5, specified in Section AG103.1 of the IRC and IAPMO IGC-2000* specified in the UPC

Models described in Table 2, Table 3 and Table 4 can be placed up to 19-1/2 inches (495mm) above ground. These pools and spas may be placed with or without concrete or wood decking. Unless elevated portions of the units are protected from sunlight by soil berms, decking etc., these portions must be coated with a UV-inhibiting opaque paint that is compatible with the laminate.

All plumbing must comply with the IPC or UPC. Electrical work must comply with the code in effect at the construction site. The pool and spa must remain full of water at all times. A permanent sign bearing the following statement must be attached to the pumping equipment:
Notice: The pool or spa is designed to remain full of water at all times below the skimmer. When appreciable draw-down is noticed or if it becomes necessary to drain the pool or spa, contact BHP Pools or its dealers for instructions.
A permanent label must be installed adjacent to the above sign indicating the BHP Pools dealer's name, address and telephone number.

Installation Procedure:
BHP pools and spas may be installed without a soil investigation by a registered design professional (RDP), subject to the building official approval, provided none of the following conditions are encountered at the site:
1. The existence of uncontrollable groundwater within the depth of the pool or spa excavation.
2. The existence of an uncompacted fill in contact with any portion of the pool or spa.
3. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
4. Danger to adjacent structures posed by the proposed pool or spa location.
5. The existence of any cracks or openings in soil that would not confine sand or 1/2" clean gravel bedding.

If any of the conditions above is encountered, excavation must cease immediately. The specified conditions at the site must then be remedied and the RDP's report must be completed before work is completed.
The pool or spa excavation must be within the contours of the lot. The over excavation is minimum 6 inches (152mm) on the sides and ends. The backfill for the pool or spa bottom is minimum 4 inches (102mm). The backfill for the pool or spa bottom is a layer of 3 inch-thick (76mm) bedding sand or 1/2" clean gravel matching the pool or spa profile.
This backfill layer is placed using a manual tamper and water. The pool or spa is then set into place using a crane, excavator or manually and be within 1 inch (25mm) of level. Simultaneous waterfill and backfill operations then commence. The backfill is compacted with a tamper and water. The installer must ensure that the backfill level and water level are approximately the same throughout this procedure.
After completion of the backfill and plumbing, the decking is placed. Decks are prepared as indicated in Figures 1 through 4.
1. Cantilevered concrete decks are constructed as noted in Figure 1 in all cases.
2. Cantilevered decks are constructed with brick or stone as noted in Figure 2 in all cases.
3. Raised bond beams are constructed as noted in Figure 3 in all cases.
4. Aboveground installations are constructed as noted in Figure 4 in all cases.
Barriers are required where pools are on premises of UBC Group R Division 3, Occupancies or IBC Group R Occupancies. The barriers must comply with Appendix Chapter 4, Division 1 of the UBC or Section 3109.4 of the IBC.

Expansive soils:
For installation of pools or spas in expansive soils, the following additional installation details must be followed subject to code official's approval:
1. All surfaces adjacent to the pool or spa must be excavated to a minimum depth of 12 inches (305 mm) beneath the pool bottom and minimum 6 inches (152 mm) behind the pool walls.
2. Any soil or loose soils exposed by step 1 must be removed until exposed material is solid. If the soil is still soft and loose, the upper 6 inches (152 mm) of all horizontal excavation surfaces must be scarified and compacted with mechanical equipment. The compacted surfaces and the excavated wall surfaces must be maintained in a moist condition until the first lift of backfill or fill is placed against the surface. The term compaction implies any method necessary to consolidate the native and fill materials to keep the pool or structure from settling.
3. The excavated bottom area of the pool or spa must be backfilled with granular import material to approximately 6 inches (152 mm) below the bottom of the pool or spa, wetted and compacted.
4. The remaining 6 inches (152 mm) must be backfilled beneath the pool or spa and outside the pool walls with compacted clean sand. The pool or spa must be filled with water as backfilling progresses to a level equivalent to that of the backfill. The backfill must be placed in compacted layers of approximately 6 inches (152 mm) while a uniform height of backfill is maintained around the pool or spa.
5. Positive surface drainage away from the perimeter of the pool or spa surrounding deck is required and initial installations in highly expansive soils. Surface area drains and surface drainage swales must be placed as needed to prevent ponding or saturation of the soil. The perimeter and vicinity of the pool to prevent excessive shrink-swell or volume change is in

Identification:
BHP pools and spas are identified by the following information printed on the top step of the pool or spa: manufacturer (Pools) and address, pool or spa model designation, a code number and the evaluation report number (ESR 2014).
The units also bear the label of the quality control agent Research & Testing Corporation (AA 527).

Findings: That the fiberglass one piece swimming pool

in compliance with the above listed codes as noted in ESR-2014 subject to the following conditions:
1. The construction and pool/spa installation comply with this report and the manufacturer's instructions.
2. Effect of the installation and pumping installation comply with the respective codes in effect at the time of the installation.
3. That all pools are installed in accordance with manufacturer's recommendations.
4. The pools and spas produced by Blue Hawaiian Pools, 176 Viking Drive Industrial Park, Jane Low West Virginia, Blue Hawaiian Pools, 121 Crawford Road, Williams, California, Blue Hawaiian Pools, 40119 Country Road 54E, Zephyrhills, FL are manufactured under a quality control program with inspections by Columbia Research & Testing Corporation (AA 527).



Reviewed by
Donald R. Poindexter, PE
Florida Lic. No. 64901
4119 Trindly Dr. Santa Rosa CA 95405
Phone 707-494-8761

Page 1 of 8

Table of Contents

Page	General Notes
Page 1	General Notes
Page 2	Expansive Soils
Page 3	Figures 1-4
Page 4-6	Pool Models
Page 7	Spa Models
Page 8	Hydro Zone Models
	Alternative Recirculation Systems

Project Name and Address

Date

Contractor

ICC Evaluation Report Number (ESR-2014)

DBA Blue Hawaiian Pools

Latham Pool Products Inc.

Page 1 of 8

APR 10 2019

PROFESSIONAL ENGINEER

STATE OF FLORIDA

LICENSE NO. 64901

DONALD R. POINDEXTER

TABLE 1- POOLS

POOL	CODE	SIZE	DEPTHS	GALLONS	WATER	POOL
		WIDTH x LENGTH	SHALLOW, DEEP	APPROX.	SURFACE AREA	TYPE
Apollo	AP	16' 38"	3'-6", 5'-10"	17,500	555	PAGE 4 TYPE 0
Aradilla	AG	15' 10", 38'-7"	3'-6", 7'-11"	19,600	506	PAGE 4 TYPE 0
Asbury	B	11' 10", 25'-5"	4'-6"	8,100	264	PAGE 5 TYPE 0
Athens	AT	16' 40"	3'-8", 8'	21,000	585	PAGE 4 TYPE 1
Balboa	MP	9' 6", 14'-6"	4'-4"	2,500	115	PAGE 4 TYPE 0
Bay Isle	BHBY	14'-6", 29'-10"	3'-6", 6"	10,000	318	PAGE 5 TYPE 0
Bay Shore	BHBA	14'-5", 30'	3'-11", 5'-10"	9,500	298	PAGE 5 TYPE 0
Blue Isle	BHBI	15' 34"	3'-6", 6'-6"	13,000	410	PAGE 6 TYPE 0
Bristol	FR14	14', 30'	3'-6", 6'	11,200	377	PAGE 5 TYPE 0
Cape Cod	CA	14', 31'	3'-6", 6'	12,000	325	PAGE 4 TYPE 0
Cape May	CM	12'-3", 23'-11"	3'-6", 5'	6,000	211	PAGE 4 TYPE 0
Cayman	FR12	12', 26'	3'-6", 5'-8"	7,600	275	PAGE 6 TYPE 0
Classic Cove	BHCC	13'-6", 32'-10"	3'-6", 2'	11,300	376	PAGE 5 TYPE 0
Grand Isle	BHGI	16', 42'	3'-7", 6'	19,300	516	PAGE 5 TYPE 0
Hamilton	HMT	15', 34'	3'-6", 6'	12,000	369	PAGE 4 TYPE 0
Harmony	CTL	10' x 16'	4'	2,550	135	PAGE 6 TYPE 0
Island Cove	ARU	11', 22'	3'-6", 5'	5,200	177	PAGE 5 TYPE 0
Java	JV	12', 26'-9"	3'-6", 5'-5"	6,800	233	PAGE 4 TYPE 0
Laredo	LD	9'-10", 19'-9"	3'-2", 5'	3,750	138	PAGE 5 TYPE 0
Lexington	LN	16', 36'	3'-6", 7'	18,000	451	PAGE 5 TYPE 0
Mariana	MT	14', 35'	3'-7", 5'-7"	12,400	388	PAGE 4 TYPE 0
Nautilus	FRX	15'-10", 40'	3'-6", 7'	15,600	548	PAGE 6 TYPE 0
Newport	NP	14', 30'	3'-7", 5'-11"	12,800	314	PAGE 5 TYPE 0
Olympic Bay	BHO8	16', 41'	3'-6", 7'	23,000	656	PAGE 5 TYPE 0
Panama I	BL	11', 10", 135' - 380'	4'-6", 4'-6"	Varies	Varies	PAGE 6 TYPE 0
Panama II	BL	11'-10", 135' - 451'	4'-6", 4'-6"	Varies	Varies	PAGE 6 TYPE 0
Phoenix	PJ	15', 34'	3'-6", 6'	12,000	375	PAGE 4 TYPE 0
Pleasant Cove	BHPL	11', 24'	3'-5", 5'-6"	5,000	173	PAGE 5 TYPE 0
Portia	OB	16', 40'	3'-6", 5'-8"	18,900	585	PAGE 4 TYPE 0
Regatta	FR16	16', 35'	3'-6", 6'-6"	15,250	510	PAGE 6 TYPE 0
Sandy Cove	BH38	11', 18'	4'-1"	3,600	177	PAGE 6 TYPE 0
Sea Cove	BHSC	12', 24'	4', 6'-4"	7,000	209	PAGE 5 TYPE 0
Seahaven	RT16	15', 10", 40'	3'-6", 7'	15,400	563	PAGE 6 TYPE 0
Sea Shore	BHSH	12', 26'	3'-6", 6'	7,000	264	PAGE 5 TYPE 0
Seawind	BH5R	12', 24', 6"	3'-4", 5'-6"	6,000	204	PAGE 6 TYPE 0
Serra	SR	16', 39'	3'-6", 6'	16,300	500	PAGE 4 TYPE 0
Southwind	BH5W	15', 34'	3'-7", 6'-10"	14,000	424	PAGE 5 TYPE 0
St. Augustine	ST	14'-6", 27'-7"	3'-7", 5'-10"	10,000	288	PAGE 4 TYPE 0
Sunburst	CD	16', 33'	3'-7", 5'-5"	15,000	480	PAGE 4 TYPE 0
Sunset Bay	BH5Y	14', 33'	3'-4", 5'-5"	10,000	365	PAGE 6 TYPE 0
Three Moon Bay	BH3B	15', 34'	3'-8", 5'-6"	12,000	427	PAGE 6 TYPE 0
Trident	L	14', 31'-6"	3'-7", 7'	13,700	396	PAGE 4 TYPE 0
Twin Cove	BHTC	11'-7", 27'-6"	3'-3", 5'-1"	6,800	233	PAGE 5 TYPE 0
Venus	V	14', 33'	3'-7", 5'-4"	11,700	416	PAGE 4 TYPE 0
Vienna	GS	15'-7", 34'-8"	3'-7", 5'-10"	15,000	423	PAGE 4 TYPE 0
Vista Isle	BHVI	12', 26'	3'-6", 10"	8,000	294	PAGE 5 TYPE 0
Wellington	FP	12', 25', 1"	3'-7", 5'-5"	6,000	213	PAGE 4 TYPE 0

TABLE 2- POOLS

ABOVE GROUND INSTALLATION	SERIES	SERIES
ARU	CM	
B	MP	
LD	JV	
BHCV	BHPL	
BH3B	BHSC	
BHSH	BH5R	
BHTC	BHVI	
FP		

TABLE 3- SPAS

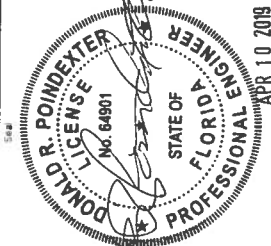
SPAS	CODE	SIZE	DEPTHS	GALLONS	WATER	PAGE
		WIDTH x LENGTH	SHALLOW, DEEP	APPROX.	SURFACE AREA	
Ewa Falls	RG	8' x 10'	3'-4"	600	52	PAGE 6
Hana	LOS	7'-6" x 7'-6"	3'	450	37	PAGE 6
Hana Falls	LOSSW	7'-6" x 8'-6"	3'	450	37	PAGE 6
Hilo	RY	8' x 10'	3'-4"	600	63	PAGE 6
Hilo Falls	RYSW	8'-10" x 10'	3'-4"	600	63	PAGE 6
Kahana	SPKM	7', 10'	3'	350	53	PAGE 6
Mona	BOS	8'-4" x 8'-4"	3'	475	45	PAGE 6
Kona Falls	BOSSW	8'-4" x 9'-4"	3'	475	45	PAGE 6
Kula	LRS	7' x 7'	3'	420	31	PAGE 6
Kula Falls	LRSSW	7' x 8'	3'	420	31	PAGE 6
Manoa	M	10' x 10'	3'-4"	550	64	PAGE 6
Manoa Falls	MSW	10' x 11'	3'-4"	550	64	PAGE 6
Molokai	CS	8' x 12'-5"	3'	700	73	PAGE 6
Molokai Falls	CSW	9' x 12'-5"	3'	700	73	PAGE 6
Rectangle Lanning Ridge	RTL	7'-8" x 15'-8"	10"	900	105	PAGE 6
Semiotic	TSC1	8'-4" x 16'	10"	400	92	PAGE 6

TABLE 4- POOLS

POOL	CODE	SIZE	DEPTHS	GALLONS	PAGE	POOL
				APPROX.	NUMBER	TYPE
HZDXL	HZDXL	8'-6" x 18'	3'-3", 5'	3000	6	Type 0
HZE	HZE	8'-6" x 18'	5'	3600	6	Type 0

Reviewed by

Donald R. Pondexter, PE
Florida Lic. No. 64901
4119 Trinity Dr. Santa Rosa CA 95405
Phone 707-494-8761



Page

2

of 8

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

NOTES

Latham Pool Products Inc.

DBA Blue Hawaiian Pools

ICC Evaluation Report Number (ESR-2014)

Latham, NY Phone (800) 833-3800
 Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
 Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
 Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
 Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

Page

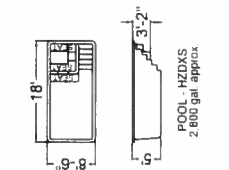
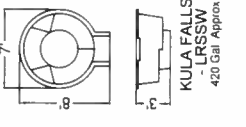
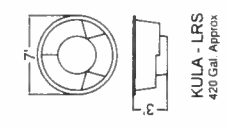
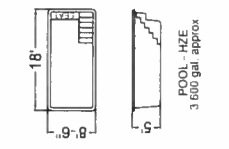
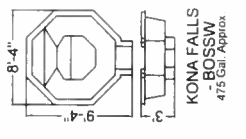
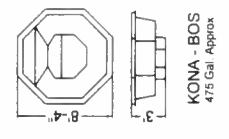
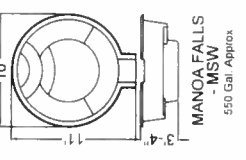
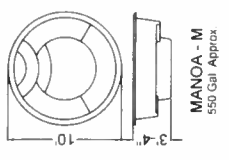
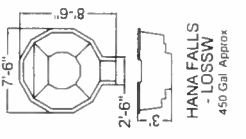
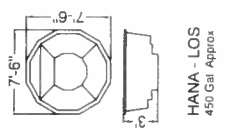
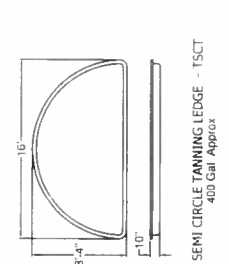
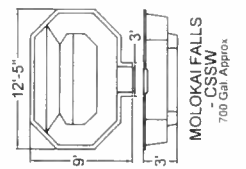
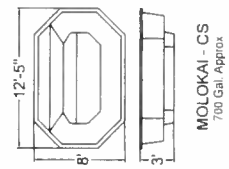
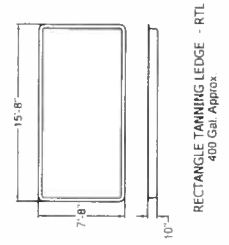
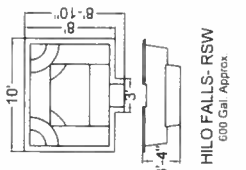
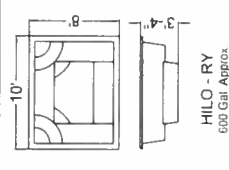
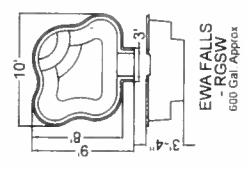
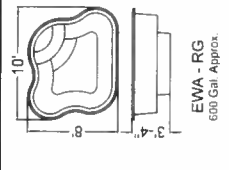
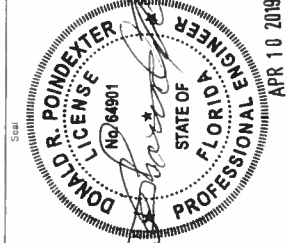
7

of 8

NOTES

Reviewed by

Donald R. Poindexter, PE
 Florida Lic. No. 64901
 4119 Trinity Dr Santa Rosa CA 95405
 Phone 707-494-8761



Length, width and depth may vary up to 3% - all dimensions are to outside edge of coping, measured from parallel lines

Length, width and depth may vary up to 3% - all dimensions are to outside edge of coping, measured from parallel lines

General Notes

General
The swimming pools and spas consist of one-piece fiberglass construction shop-fabricated over a mold. The material is fiberglass reinforced plastic (FRP), a minimum of 1/4 inch (6.4 mm) thick, composed of isophthalic resin, vinyl ester resin, and fiberglass. The surface finish is a non-penetrating gel coat. Blue Hawaiian Pools, a fiberglass division of Latham Pool Products Inc. (BHP), produces various styles of swimming pools and spas. When installed in accordance to BHP Pools installation procedures, the pools and spas comply with applicable requirements of the following codes:
2015/2018 International Building Code® (IBC)
2018 International Residential Code (IRC)
1997 Uniform Building Code (UBC)
BOCA® National Building Code/2003 (NBBC)
2018 International Plumbing Code® (IPC)
2012/2015 IAPMO Uniform Plumbing Code (IAPMO UPC)
2003 ANSI/APSP-5 Residential Inground Swimming Pools
2012 ANSI/APSP/ICC 5a Residential Inground Swimming Pools
2014 ANSI/APSP/ICC 3 Permanently Installed Residential Spas and Swim Spas
2017 Florida Building Code 6th Edition
2017 Florida Plumbing Code 6th Edition
2017 Florida Fuel/Gas Code 6th Edition
2017 Florida Mechanical Code 6th Edition
2017 Florida Residential Code 6th Edition
2006 ANSI/APSP-7
2013 ANSI/APSP/ICC-7 Suction Entrapment Avoidance
2013 ANSI/APSP-16
2018 International Swimming Pool and Spa Code (ISPS-C/ICC)
2007 ANSI/ASME-A112.19.8
2014/2017 National Electric Code (NEC)
2015 Uniform Swimming Pool, Spa, Hot Tub Code (IAPMO)

The overall pool dimensions, depths and capacities are shown in Table 1 and Table 4. The units comply with ANSI/APSP 5, specified in Section AG103.1 of the IRC and IAPMO IGC 2000*, specified in the UPC.
Models described in Table 2, Table 3, and Table 4 can be placed up to 19-1/2 inches (495 mm) above ground. These pools and spas may be placed with or without concrete or wood decking. Unless elevated portions of the units are protected from sunlight by soil, barriers, etc., these portions must be coated with a UV-inhibiting opaque paint that is compatible with the laminate.
All plumbing must comply with the IPC or UPC. Electrical work must comply with the code in effect at the construction site. The pool and spa must remain full of water at all times. A permanent sign, bearing the following statement, must be attached to the pumping equipment:
Notice- The pool or spa is designed to remain full of water at all times. The pool shell may be damaged if the water level is allowed to drop below the skimmer. When appreciable draw-down is noticed or if it becomes necessary to drain the pool or spa, contact BHP Pools or its dealers for instructions.
A permanent label must be installed adjacent to the above sign indicating the BHP Pools dealer's name, address and telephone number.

Installation Procedure:
BHP pools and spas may be installed without a soil investigation by a registered design professional (RDP), subject to the building official's approval, provided none of the following conditions are encountered at the site:
1. The existence of uncontrollable groundwater within the depth of the pool or spa excavation
2. The existence of an uncompacted fill in contact with any portion of the pool or spa
3. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes
4. Danger to adjacent structures posed by the proposed pool or spa location
5. The existence of any cracks or openings in soil that would not confine sand or 3/4" clean gravel bedding

If any of the conditions above is encountered, excavation must cease

immediately. The specified conditions at the site must then be reviewed and recommendations made by the RDP. The building official must approve the RDP's report before work is completed.
The pool or spa excavation profile must coincide with the contours of the pool. The pool or spa excavation must be a minimum of 6 inches (152 mm) on the sides and ends. The over excavation at the pool bottom is a minimum of 4 inches (102 mm). The backfill for the pool or spa bottom is a layer of 3 inch-thick (76 mm) bedding sand or 3/4" clean gravel matching the pool or spa profile.
This backfill layer is compacted using a manual tamper and water. The pool or spa is then set into place using a crane, excavator or manually and be within 1 inch (25 mm) of level. Simultaneous backfill and backfill operations then commence. The backfill is compacted with a tamper and water. The installer must ensure that the backfill level and water level are approximately the same throughout this procedure.
After completion of the backfill and plumbing, the decking is placed. Decks are prepared as indicated in Figures 1 through 4.
1. Cantilevered concrete decks are constructed as noted in Figure 1 in all cases.
2. Cantilevered decks are constructed with brick or stone as noted in Figure 2 in all cases.
3. Raised bond beams are constructed as noted in Figure 3 in all cases.
4. Aboveground installations are constructed as noted in Figure 4 in all cases.
Barriers are required where pools are on premises of UBC Group R, Division 3, Occupancies or IRC Group R Occupancies. The barriers must comply with Appendix Chapter 4, Division 1 of the UBC or Section 3109.4 of the IRC.

Expansive soils:
For installation of pools or spas in expansive soils, the following additional installation details must be followed subject to code official's approval:

1. All surfaces adjacent to the pool or spa must be excavated to a minimum depth of 12 inches (305 mm) beneath the pool bottom and minimum 6 inches (152 mm) behind the pool walls.
2. Any soil or loose soils exposed by step 1 must be removed until exposed material is solid. If the soil is still soft and loose, the upper 6 inches (152 mm) of all horizontal excavation surfaces must be scarified and compacted with mechanical equipment. The compacted surfaces and the excavated wall surfaces must be maintained in a moist condition until the first lift of backfill or fill is placed against the surface. The term compaction implies any method necessary to consolidate the native and fill materials to keep the pool or structure from settling.
3. The excavated bottom area of the pool or spa must be backfilled with granular import material to approximately 6 inches (152 mm) below the bottom of the pool or spa, wetted and compacted.
4. The remaining 6 inches (152 mm) must be backfilled beneath the pool or spa and outside the pool walls with compacted clean sand. The pool or spa must be filled with water as backfilling progresses to a level equivalent to that of the backfill. The backfill must be placed in compacted layers of approximately 6 inches (152 mm) while a uniform height of backfill is maintained around the pool or spa.
5. Positive surface drainage away from the perimeter of the pool and surrounding deck is required and critical to installations in highly expansive soils. Surface drainage must be provided to prevent ponding or saturation of the soil around the perimeter and vicinity of the pool to prevent excessive shrink swell or volume changes in the soil.

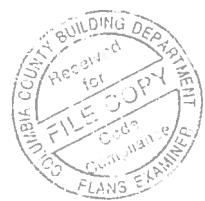
Identification:
BHP pools and spas are identified by the following information imprinted on the top step of the pool or spa: manufacturer's name (BHP Pools) and address, pool or spa model designation, a coded serial number and the evaluation report number (ESR 2014).
The units also bear the label of the quality control agency, Columbia Research & Testing Corporation (AA-527).

Findings: That the fiberglass one piece swimming pools and spas are

in compliance with the above listed codes as noted in ESR 2014 subject to the following conditions:
1. The construction and pool/spa installation comply with this report and the applicable codes.
2. Electrical and plumbing installation comply with the respective codes in effect at the construction site.
3. That all pools are installed in accordance with manufacturer's recommendations.
4. The pools and spas produced by Blue Hawaiian Pools, 176 Viking Drive Industrial Park, Jane Lew, West Virginia, Blue Hawaiian Pools, 121 Crawford Road, Williams, California, Blue Hawaiian Pools, 40119 Country Road 54E, Zephyrhills, FL, are manufactured under a quality control program with inspections by Columbia Research & Testing Corporation (AA-527).

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)

Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Latham, NY Phone (800) 833-3800
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214



Reviewed by
Donald R. Poindexter PE
Florida Lic. No. 64901
4119 Timmy Dr. Santa Rosa CA 95405
Phone 707-494-8761

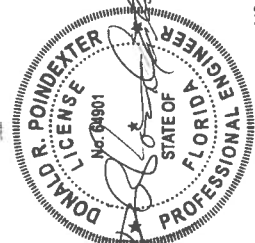


Table of Contents	
Page 1	General Notes
Page 2	Expansive Soils
Page 3	Tables 1-4
Page 4-6	Pool Models
Page 7	Spa Models
Page 8	Hydro Zone Models
	Alternative Recirculation Systems

Length, width and depth may vary up to 3% all dimensions are to outside edge of coping, measured from parallel lines.

Project Name and Address

Contractor

Date

TABLE 1- POOLS

POOL	CODE	SIZE	DEPTHS	GALLONS	WATER	POOL
		WIDTH x LENGTH	SHALLOW, DEEP	APPROX.	SURFACE AREA	TYPE
Apollo	AP	16' 38"	3'-6", 5'-10"	12,500	555	PAGE 4, TYPE 0
Aradida	GC	15' 10" x 38'-7"	3'-5", 7'-11"	19,600	506	PAGE 4, TYPE 1
Asbury	B	11'-10" x 25'-5"	4'-6"	8,100	264	PAGE 5, TYPE 0
Athens	AT	16' 40"	3'-8", 8'	21,000	585	PAGE 4, TYPE 1
Balboa	MP	9'-6", 14'-6"	4'-4"	2,500	115	PAGE 5, TYPE 0
Bay Isle	BHBY	14'-6", 29'-10"	3'-6", 6"	10,000	318	PAGE 5, TYPE 0
Bay Shore	BHBA	14'-5", 30'	3'-11", 5'-10"	9,500	298	PAGE 5, TYPE 0
Blue Isle	BHBI	15' 34"	3'-6", 6"	13,000	410	PAGE 6, TYPE 0
Bristol	FR14	14', 31'	3'-6", 6"	11,200	377	PAGE 5, TYPE 0
Cape Cod	CA	14', 31'	3'-6", 6"	12,000	325	PAGE 4, TYPE 0
Cape May	CM	12'-3", 23'-11"	3'-6", 5'	6,000	211	PAGE 4, TYPE 0
Cayman	FR12	12' 26"	3'-6", 5'-8"	7,600	275	PAGE 6, TYPE 0
Classic Cove	BHCC	13'-6", 32'-10"	3'-6", 2"	11,300	376	PAGE 5, TYPE 0
Grand Isle	BHGI	16' 42"	3'-7"	19,300	516	PAGE 5, TYPE 0
Hamilton	HMT	15', 34'	3'-6", 6"	12,000	369	PAGE 4, TYPE 0
Hamsey	CTL	10' x 16'	4'	2,550	135	PAGE 6, TYPE 0
Island Cove	ARU	11' 22'	3'-6", 5'	5,200	177	PAGE 5, TYPE 0
Java	JV	12' 26" x 9'	3'-6", 5'-5"	6,800	233	PAGE 4, TYPE 0
Laredo	LD	9'-10", 19'-9"	3'-2", 5'	3,750	138	PAGE 5, TYPE 0
Lexington	LN	16' 36"	3'-6", 7"	18,000	451	PAGE 5, TYPE 0
Manana	MT	14', 35'	3'-7", 5'-7"	12,400	388	PAGE 4, TYPE 0
Nautilus	FRX	15'-10", 40'	3'-6", 7"	15,600	548	PAGE 6, TYPE 0
Newport	NP	14', 30'	3'-7", 5'-11"	12,800	314	PAGE 5, TYPE 0
Olympic Bay	BHOB	16' 41"	3'-6", 7"	23,000	656	PAGE 5, TYPE 0
Panama I	BL	11'-10", 135'-38"	4'-6", 4'-6"	Varies	Varies	PAGE 6, TYPE 0
Panama II	BL	11'-10", 135'-45"	4'-6", 4'-6"	Varies	Varies	PAGE 6, TYPE 0
Phoenix	PH	15', 34'	3'-6", 6"	12,000	375	PAGE 4, TYPE 0
Pleasant Cove	BHPL	11', 24'	3'-5", 5'-6"	5,000	173	PAGE 5, TYPE 0
Portia	OB	16', 40'	3'-6", 5'-8"	18,900	585	PAGE 4, TYPE 0
Regatta	FR16	16' 35"	3'-6", 6'-6"	15,250	510	PAGE 6, TYPE 0
Sandy Cove	BH38	11', 18'	4'-1"	3,600	177	PAGE 6, TYPE 0
Sea Cove	BHSC	12', 24'	4', 6'-4"	7,000	209	PAGE 5, TYPE 0
Seahaven	RT16	15'-10", 40'	3'-6", 7"	15,400	563	PAGE 6, TYPE 0
Sea Shore	BHSH	12', 26"	3'-6", 6"	7,000	264	PAGE 5, TYPE 0
Seawall	BHSR	12', 24'-6"	3'-4", 5'-6"	6,000	204	PAGE 6, TYPE 0
Sierra	SR	16' 39"	3'-6", 6"	16,300	500	PAGE 4, TYPE 0
Southwind	BHSW	15', 34'	3'-7", 6'-10"	14,000	424	PAGE 5, TYPE 0
St Augustine	ST	14'-6", 27'-7"	3'-7", 5'-10"	10,000	288	PAGE 4, TYPE 0
Sunburst	CD	16', 33'	3'-7", 5'-5"	15,000	480	PAGE 4, TYPE 0
Sunset Bay	BHSY	14', 32'	3'-4", 5'-5"	10,000	365	PAGE 6, TYPE 0
Three Moon Bay	BHTB	15', 34'	3'-8", 5'-6"	12,000	427	PAGE 6, TYPE 0
Trident	L	14', 31'-6"	3'-7", 7"	13,700	396	PAGE 4, TYPE 0
Twin Cove	BHTC	11'-7", 27'-6"	3'-3", 5'-1"	6,800	233	PAGE 5, TYPE 0
Venus	V	14', 33'	3'-7", 5'-4"	11,700	416	PAGE 4, TYPE 0
Vienna	GS	15'-7", 34'-8"	3'-7", 5'-10"	15,000	423	PAGE 4, TYPE 0
Vista Isle	BHVI	12', 28"	3'-6", 10"	8,000	294	PAGE 5, TYPE 0
Wellington	FP	12', 25'-1"	3'-7", 5'-5"	6,000	213	PAGE 4, TYPE 0

TABLE 2- POOLS

ABOVE GROUND INSTALLATION	SERIES
ARU	CM
B	MP
LD	JV
BHCV	BHPL
BH38	BHSC
BHSH	BHSR
BHTC	BHVI
FP	

TABLE 3- SPAS

SPAS	CODE	SIZE	DEPTHS	GALLONS	WATER	PAGE
		WIDTH x LENGTH	SHALLOW, DEEP	APPROX.	SURFACE AREA	
Ewa Falls	RG	8' x 10'	3'-4"	600	52	PAGE 6
Hana	LOS	7'-6" x 7'-6"	3'	450	37	PAGE 6
Hana Falls	LOSSW	7'-6" x 8'-6"	3'	450	37	PAGE 6
Hilo	RY	8' x 10'	3'-4"	600	63	PAGE 6
Hilo Falls	RYSW	8'-10" x 10'	3'-4"	600	63	PAGE 6
Kahana	SPKM	7'-10"	3'	350	53	PAGE 6
Kona	BOS	8'-4" x 8'-4"	3'	475	45	PAGE 6
Kona Falls	BOSSW	8'-4" x 9'-4"	3'	475	45	PAGE 6
Kula	LRS	7' x 7'	3'	420	31	PAGE 6
Kula Falls	LRSSW	7' x 8'	3'	420	31	PAGE 6
Manoa	M	10' x 10'	3'-4"	550	64	PAGE 6
Manoa Falls	MSW	10' x 11'	3'-4"	550	64	PAGE 6
Molokai	CS	8' x 12'-5"	3'	700	73	PAGE 6
Molokai Falls	CSW	9' x 12'-5"	3'	700	73	PAGE 6
Rectangle Lanning ledge	RTL	7'-8" x 15'-8"	10"	900	105	PAGE 6
Semicle	TSCT	8'-4" x 16'	10"	400	92	PAGE 6

TABLE 4- POOLS

POOL	CODE	SIZE	DEPTHS	GALLONS	PAGE	POOL
				APPROX.	NUMBER	TYPE
HZDXL	HZDXL	8'-6" x 18'	3'-3", 5'	3000	6	Type 0
HZE	HZE	8'-6" x 18'	5'	3600	6	Type 0

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

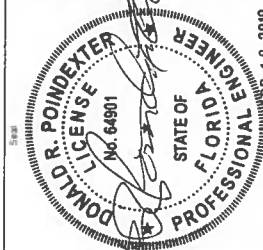
Page

2

of 8

Reviewed by

Donald R. Pindexter, PE
Florida Lic. No. 64901
4119 Trinity Dr. Santa Rosa CA 95405
Phone 707-494-8761



NOTES

Latham Pool Products Inc.

DBA Blue Hawaiian Pools

ICC Evaluation Report Number (ESR-2014)

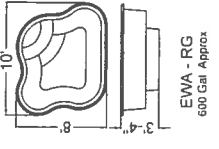
Latham, NY Phone (800) 833-3800
 Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
 Williams, CA Phone (530) 473 5319 Fax (530) 473 5393
 Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

Page

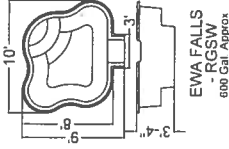
7

of 8

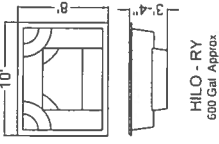
Reviewed by
 Donald R. Poindexter, PE
 Florida Lic. No. 64901
 4119 Trinity Dr Santa Rosa CA 95405
 Phone 707-494-8761



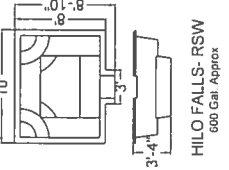
EWA - RG
600 Gal. Approx.



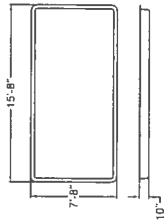
EWA FALLS
- RGSW
600 Gal. Approx.



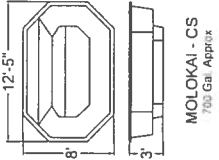
HILO - RY
600 Gal. Approx.



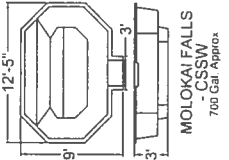
HILO FALLS - RSW
600 Gal. Approx.



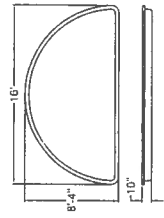
RECTANGLE TANNING LEDGE - RTL
400 Gal. Approx.



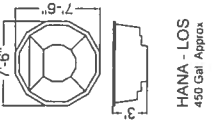
MOLOKAI - CS
700 Gal. Approx.



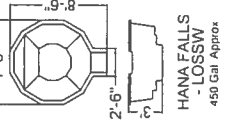
MOLOKAI FALLS
- CSSW
700 Gal. Approx.



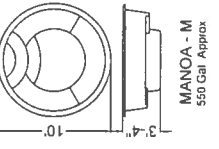
SEMI CIRCLE TANNING LEDGE - TSCT
400 Gal. Approx.



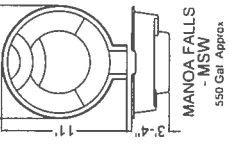
HANA - LOS
450 Gal. Approx.



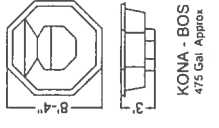
HANA FALLS
- LOSSW
450 Gal. Approx.



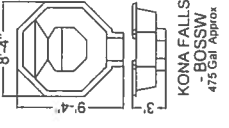
MANOA - M
550 Gal. Approx.



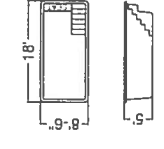
MANOA FALLS
- MSW
550 Gal. Approx.



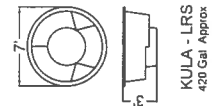
KONA - BOS
475 Gal. Approx.



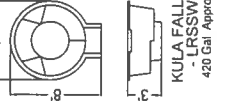
KONA FALLS
- BOSSW
475 Gal. Approx.



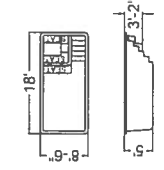
POOL - HZE
3 600 gal. approx.



KULA - LRS
420 Gal. Approx.



KULA FALLS
- LRSW
420 Gal. Approx.



POOL - HZDXS
2 800 gal. approx.

Length, width and depth may vary up to 3% all dimensions are to outside edge of coping measured from parallel lines

Length, width and depth may vary up to 3% all dimensions are to outside edge of coping measured from parallel lines

DEBRIS REMOVAL SYSTEM
EXTRACTOR/CUTTERS IN SERIES

[illegible]

NOTES
ALTERNATIVE SUCTION OUTLETS SYSTEM
MAY INCLUDE 1 ON THE BOTTOM AND ONE ON
THE VERTICAL WALL OR ONE EACH ON
TWO (2) SEPARATE VERTICAL WALLS

INDIVIDUAL Suction OUTLETS IN PARALLEL WITH OPTIONAL ATMOSPHERIC VENT SYSTEM
TO BE INSTALLED IN ACCORD WITH SECT 424.2.6.7 2007 FLORIDA BUILDING CODE BUILDING
AND SECT 44501.6 2017 FLORIDA BUILDING CODE RESIDENTIAL INCLUDING 2009 SUPPLEMENT
2310.12.2514 FLORIDA BUILDING CODE BUILDING AND 2017 FLORIDA BUILDING CODE RESIDENTIAL
2013 A1231/ASPP/ICC. 7 Suction Installation Avoidance

The diagram illustrates a recirculating aquaculture system (RAS). A large rectangular tank contains water with several fish. A pump at the bottom right draws water from the tank and sends it through a filter (labeled 'FILTER') and a pump (labeled 'PUMP') back to the tank. The filter is shown as a cylindrical unit with a mesh screen. The pump is a small circular device. The system is labeled 'RAS' and 'EXAMPLE'.

PARAMETERS

- 1 USE "1" FOR VALUE 42.5°F
- 2 DO NOT USE 60°C FOR TEMPERATURES
- 3 CHECK VALUE MAY BE NEGATIVE FOR CUMULATIVE MORE THAN 18 ABSOLUTE WATER USE
- 4 TEMPERATURES ARE IN °C OF THE FLUID AND NOT IN °F

LIFE AID	1 JOINT	3" MAN DRAIN	PLUMBING
			
FIBER OPTIC LIGHT	SKIMMER	RETURN	EPILOTOR
			

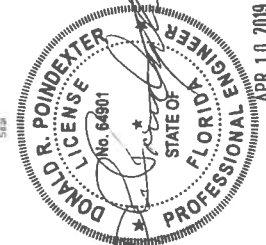
Page



Of 8

Reviewed by:

Donald R. Poindexter, PE
Florida Lic No 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-8761



APR 10 2019

General

The swimming pools and spas consist of one-piece fiberglass construction shop-formed over a mold. The material is fiberglass reinforced plastic (FRP), a minimum of 1/4 inch (6.4 mm) thick, composed of isophthalic resin, vinyl ester resin, and fiberglass. The surface finish is a non-petly glycol gel coat. Blue Hawaiian Pools, a fiberglass division of Latham Pool Products Inc. (BHP) produces various styles of swimming pools and spas. When installed in accordance to BHP Pools installation procedures, the pools and spas comply with applicable requirements of the following codes:

- 2015 International Building Code® (IBC)
- 2018 International Residential Code (IRC)
- 1997 Uniform Building Code (UBC)
- BCCA's National Building Code® (NBCC)
- 2012 International Plumbing Code® (IPC)
- 2012/2015 IAPMO Uniform Plumbing Code (UPC) (APMO/UPC)
- 2003 ANSI/APSP-ICC 3A Residential Inground Swimming Pools
- 2014 ANSI/APSP-ICC 3B Residential Inground Swimming Pools
- 2014 ANSI/APSP-ICC 3C Permanently Installed Residential Spas and Swim Spas
- 2017 Florida Building Code 6th Edition
- 2017 Florida Plumbing Code 6th Edition
- 2017 Florida Fuel Gas Code 6th Edition
- 2017 Florida Mechanical Code 6th Edition
- 2017 Florida Residential Code 6th Edition
- 2006 ANSI/APSP 7
- 2013 ANSI/APSP/ICC 7 Suction Entrapment Avoidance
- 2011 ANSI/APSP 16
- 2018 International Swimming Pool and Spa Code (ISPS-ICC)
- 2007 ANSI/ASME-A112.19.8
- 2014/2017 National Electric Code (NEC)
- 2015 Uniform Swimming Pool, Spa, Hot Tub Code (APSPMO)

The overall pool dimensions, depths and capacities are shown in Table 1 and Table 4. The units comply with ANSI/APSP 5, specified in Section AIG103.1 of the IRC, and IAPMO IGC 2000*, specified in the UPC.

Models described in Table 2, Table 3, and Table 4 can be placed up to 19.12 inches (49.5mm) above ground. These pools and spas may be placed with or without concrete or wood decking. Unless elevated portions of the units are protected from sunlight by soil berms, decking etc., these portions must be coated with a UV-inhibiting opaque paint that is compatible with the laminate.

All plumbing must comply with the IPC or UPC. Electrical work must comply with the code in effect at the construction site. The pool and spa must remain full of water at all times. A permanent sign, bearing the following statement, must be attached to the pumping equipment. The pool and spa must be designed to remain full of water at all times. No water level is allowed to drop below the skimmer. When acceptable design is required, if it becomes necessary to drain the pool or spa, contact BHP Pools or its dealers for instructions.

A permanent label must be installed adjacent to the above sign indicating the BHP Pools dealer's name, address and telephone number.

Installation Procedure:

BH pools and spas may be installed without a soil investigation by a registered design professional (RDP), subject to the building official's approval, provided none of the following conditions are encountered at the site:

1. The existence of uncontrollable groundwater within the depth of the pool or spa excavation.
2. The existence of an uncompacted fill in contact with any portion of the pool or spa.
3. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
4. Danger to adjacent structures posed by the proposed pool or spa location.
5. The existence of any cracks or openings in soil that would not confine sand or 1/2" clean gravel bedding.

If any of the conditions above is encountered, excavation must be made to a depth of 12 inches (305 mm) beneath the pool bottom and

General Notes

immediately. The specified conditions at the site must then be reviewed and recommendations made by the RDP. The building official must approve the RDP's report before work is completed.

The pool or spa excavation profile must coincide with the contours of the pool. The over excavation is minimum 6 inches (152mm) on the sides and ends. The over excavation at the pool bottom is minimum 4 inches (102mm). The backfill for the pool or spa bottom is a layer of 3-inch-thick (76mm) bedding sand or 1/2" clean gravel matching the pool or spa profile.

This backfill layer is compacted using a manual tamper and water. The pool or spa is then set into place using a crane, excavator or manually and be within 1 inch (25mm) of level. Simultaneous backfill and backfill operations then commence. The backfill is compacted with a tamper and water. The installer must ensure that the backfill level and water level are approximately the same throughout this procedure.

After completion of the backfill and plumbing, the decking is placed. Decks are prepared as indicated in Figures 1 through 4.

1. Cantilevered concrete decks are constructed as noted in Figure 1 in all cases.
 2. Cantilevered decks are constructed with brick or stone as noted in all cases.
 3. Raised bond beams are constructed as noted in Figure 3 in all cases.
 4. Aboveground installations are constructed as noted in Figure 4 in all cases.
- Barriers are required where pools are on premises of UBC Group R, Division 3, Occupancies or IBC Group R Occupancies. The barriers must comply with Appendix Chapter 4, Division 1 of the UBC or Section 3109.4 of the IBC.

Expansive soils:

For installation of pools or spas in expansive soils, the following additional installation details must be followed subject to code official's approval:

1. All surfaces adjacent to the pool or spas must be excavated to a minimum depth of 12 inches (305 mm) beneath the pool bottom and minimum 6 inches (152 mm) behind the pool wall.
2. Any soil or loose soils exposed by step 1 must be removed until exposed material is solid. If the soil is still soft and loose, the upper 6 inches (152 mm) of all horizontal excavation surfaces must be scarified and compacted with mechanical equipment. The compacted surfaces and the excavated wall surfaces must be maintained in a moist condition until the first lift of backfill or fill is placed against the surface. The term compaction implies any method necessary to consolidate the native and fill material: to keep the pool or structure from settling.
3. The excavated bottom area of the pool or spa must be backfilled with granular import material to approximately 6 inches (152 mm) below the bottom of the pool or spa, wetted and compacted.
4. The remaining 6 inches (152 mm) must be backfilled beneath the pool or spa and outside the pool walls with compacted clean sand. The sand must be placed with water as backfilling progresses to a level equivalent to that of the backfill. The backfill must be placed in compacted layers of approximately 6 inches (152 mm) while a uniform height of backfill is maintained around the pool or spa.
5. Positive surface drainage away from the perimeter of the pool and surrounding deck is required and critical to installations in highly expansive soils. Surface area drains and surface drainage swales or subdrains must be placed as needed to prevent ponding or saturation of the soil around the perimeter and vicinity of the pool to prevent excessive shrink swell or volume changes in the soil.

Identification:

BH pools and spas are identified by the following information imprinted on the top step of the pool or spa: manufacturer's name (BHP Pools) and address, pool or spa model designation, a coded serial number and the evaluation report number (ESR 2014).

The units also bear the label of the quality control agency: Columbia Research & Testing Corporation (AA-327).

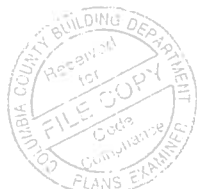
Findings: That the fiberglass one-piece swimming pools and spas are

1. In compliance with the above listed codes as noted in ESR 2014 subject to the following conditions.
2. The construction and pool/spa installation comply with this report and the manufacturer's instructions.
3. Electrical and plumbing installation comply with the respective codes in effect at the construction site.
4. All pools are installed in accordance with manufacturer's recommendations.
5. The pools and spas produced by Blue Hawaiian Pools, 176 Viking Drive Industrial Park, Jane Lew, West Virginia, Blue Hawaiian Pools, 121 Crawford Road, Williams, California, Blue Hawaiian Pools, 40119 Country Road 54E, Zephyrhills, FL are manufactured under a quality control program with inspections by Columbia Research & Testing Corporation (AA-327).

Project Name and Address
Contractor
Date

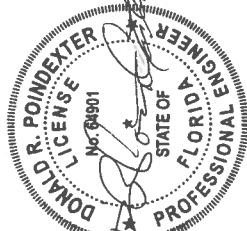
Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)

Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214



Reviewed by

Donald R. Pindexter, PE
Florida Lic. No. 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-8761



Page 1 of 8

Table of Contents	
Page 1	General Notes
Page 2	Expansive Soils
Page 3	Table 1, 4
Page 4	Figure 1, 4
Page 5	Pool Models
Page 6	Spa Models
Page 7	Hydro Zone Models
Page 8	Alternative Recirculation Systems

Length, width and depth may vary up to 3% of dimensions as to outside edge of coping, measured from parallel lines.

TABLE 1- POOLS

POOL	CODE	SIZE	WIDTH x LENGTH	DEPTHS	GALLONS	WATER	PAGE	POOL
				SHALLOW, DEEP	APPROX.	SURFACE AREA		TYPE
Apollo	AP	16' 38"	3'-6" x 5'-10"	3'-6"	17,500	555	PAGE 4	TYPE 0
Aradida	GC	15' 10' 39"-7"	3'-5" x 7'-11"	3'-5"	19,600	506	PAGE 4	TYPE 0
Asbury	B	11' 10' 25' 5"	4'-6"	4'-6"	8,100	264	PAGE 5	TYPE 0
Athens	AT	16' 40'	3'-8" x 8'	3'-8"	21,000	585	PAGE 4	TYPE 0
Balboa	MP	9' 6" 14'-6"	4'-4"	4'-4"	2,500	115	PAGE 5	TYPE 0
Bay Isle	BHBY	14'-6" 29'-10"	3'-6" x 6'	3'-6"	10,000	318	PAGE 5	TYPE 0
Bay Shore	BHBA	14' 5" 30'	3'-11" x 5'-10"	3'-11"	9,500	298	PAGE 5	TYPE 0
Blue Isle	BHBI	15' 34'	3'-6" x 6'-6"	3'-6"	13,000	410	PAGE 6	TYPE 0
Bristol	FR14	14' 30'	3'-6" x 6'	3'-6"	11,200	377	PAGE 5	TYPE 0
Cape Cod	CA	14' 31'	3'-6" x 6'	3'-6"	12,000	325	PAGE 4	TYPE 0
Cape May	CM	12'-3" 23'-11"	3'-6" x 5'	3'-6"	6,000	211	PAGE 4	TYPE 0
Cayman	FR12	12' 26'	3'-6" x 5'-8"	3'-6"	7,600	275	PAGE 6	TYPE 0
Classic Cove	BHCC	13' 6" 32'-10"	3'-6" x 2'	3'-6"	11,300	376	PAGE 5	TYPE 0
Grand Isle	BHGI	15' 34'	3'-7"	3'-7"	19,300	516	PAGE 5	TYPE 0
Hamilton	HMT	15' 34'	3'-6" x 6'	3'-6"	12,000	369	PAGE 4	TYPE 0
Harmony	CTL	10' x 16'	4'	4'	2,550	135	PAGE 6	TYPE 0
Island Cove	ARU	11' 22'	3'-6" x 5'	3'-6"	5,200	177	PAGE 5	TYPE 0
Java	JV	12' 26'-9"	3'-6" x 5'-5"	3'-6"	6,800	233	PAGE 4	TYPE 0
Laredo	LD	9'-10" 19'-9"	3'-2" x 5'	3'-2"	3,750	138	PAGE 5	TYPE 0
Lexington	LN	16' 36'	3'-6" x 7'	3'-6"	18,000	451	PAGE 5	TYPE 0
Mariana	MT	14' 35'	3'-7" x 5'-7"	3'-7"	12,400	388	PAGE 4	TYPE 0
Nautilus	FRX	15' 10' 40'	3'-6" x 7'	3'-6"	15,600	548	PAGE 6	TYPE 0
Newport	NP	14' 30'	3'-7" x 5'-11"	3'-7"	12,800	314	PAGE 5	TYPE 0
Olympic Bay	BHO8	16' 41'	3'-6" x 7'	3'-6"	23,000	656	PAGE 5	TYPE 0
Panama I	BL	11' 10' (35' - 38')	4'-6" x 4'-6"	4'-6"	Varies	Varies	PAGE 6	TYPE 0
Panama II	BL	11'-10" (35' - 45')	4'-6" x 4'-6"	4'-6"	Varies	Varies	PAGE 6	TYPE 0
Phoenix	FJI	15' 34'	3'-6" x 6'	3'-6"	12,000	375	PAGE 4	TYPE 0
Pleasant Cove	BHPL	11' 24'	3'-5" x 5'-6"	3'-5"	5,000	173	PAGE 5	TYPE 0
Portia	OB	16' 40'	3'-6" x 5'-8"	3'-6"	18,900	585	PAGE 4	TYPE 0
Regatta	FR16	16' 35'	3'-6" x 6'-6"	3'-6"	15,250	510	PAGE 6	TYPE 0
Sandy Cove	BH38	11' 18"	4'-1"	4'-1"	3,600	177	PAGE 6	TYPE 0
Sea Cove	BH5C	12' 24'	4'-6" x 4"	4'-6"	7,000	209	PAGE 5	TYPE 0
Seahaven	RT16	15' 10" 40'	3'-6" x 7'	3'-6"	15,400	563	PAGE 6	TYPE 0
Sea Shore	BHSH	12' 26'	3'-6" x 6'	3'-6"	7,000	264	PAGE 5	TYPE 0
Seasuri	BHSR	12' 24'-6"	3'-4" x 5'-6"	3'-4"	6,000	204	PAGE 6	TYPE 0
Sierra	SR	16' 39'	3'-6" x 6'	3'-6"	16,300	500	PAGE 4	TYPE 0
Southwind	BH5W	15' 34'	3'-7" x 6'-10"	3'-7"	14,000	424	PAGE 5	TYPE 0
St. Augustine	ST	14'-6" 27'-7"	3'-7" x 5'-10"	3'-7"	10,000	288	PAGE 4	TYPE 0
Sunburst	CD	16' 33'	3'-7" x 5'-5"	3'-7"	15,000	480	PAGE 4	TYPE 0
Sunset Bay	BH5Y	14' 33'	3'-4" x 5'-4"	3'-4"	10,000	365	PAGE 6	TYPE 0
Three Moon Bay	BH3B	15' 34'	3'-8" x 5'-6"	3'-8"	12,000	427	PAGE 6	TYPE 0
Trident	L	14' 31'-6"	3'-7" x 7'	3'-7"	13,700	396	PAGE 4	TYPE 0
Twin Cove	BHIC	11'-7" 27'-6"	3'-3" x 5'-1"	3'-3"	6,800	233	PAGE 5	TYPE 0
Venus	V	14' 33'	3'-7" x 5'-4"	3'-7"	11,700	416	PAGE 4	TYPE 0
Vienna	GS	15'-7" 34'-8"	3'-7" x 5'-10"	3'-7"	15,000	423	PAGE 4	TYPE 0
Vista Isle	BHVI	12' 28'	3'-6" x 10"	3'-6"	8,000	294	PAGE 5	TYPE 0
Wellington	FP	12' 25' 1"	3'-7" x 5'-5"	3'-7"	6,000	213	PAGE 4	TYPE 0

TABLE 2- POOLS

ABOVE GROUND INSTALLATION	SERIES	SERIES
ARU	CM	
B	MP	
LD	JV	
BHIC	BHPL	
BH3B	BHSC	
BHSH	BHSR	
BHIC	BHVI	
FP		

TABLE 3- SPAS

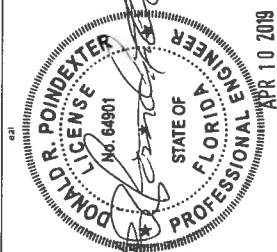
SPAS	CODE	SIZE	WIDTH x LENGTH	DEPTHS	GALLONS	WATER	PAGE
				SHALLOW, DEEP	APPROX.	SURFACE AREA	
Ewa	RG	8' x 10'	3'-4"	3'-4"	600	52	PAGE 6
Ewa Falls	RG5W	8' x 10'	3'-4"	3'-4"	600	52	PAGE 6
Hana	LOS	7'-6" x 7'-6"	3'	3'	450	37	PAGE 6
Hana Falls	LOS5W	7'-6" x 8'-6"	3'	3'	450	37	PAGE 6
Hilo	RY	8' x 10'	3'-4"	3'-4"	600	63	PAGE 6
Hilo Falls	RY5W	8'-10" x 10'	3'-4"	3'-4"	600	63	PAGE 6
Kahana	SPKM	7' 10'	3'	3'	350	53	PAGE 6
Kona	BOS	8'-4" x 8'-4"	3'	3'	475	45	PAGE 6
Kona Falls	BOS5W	8'-4" x 9'-4"	3'	3'	475	45	PAGE 6
Kula	LRS	7' x 7'	3'	3'	420	31	PAGE 6
Kula Falls	LRS5W	7' x 8'	3'	3'	420	31	PAGE 6
Manoa	M	10' x 10'	3'-4"	3'-4"	550	64	PAGE 6
Manoa Falls	M5W	10' x 11'	3'-4"	3'-4"	550	64	PAGE 6
Molokai	CS	8' x 12'-5"	3'	3'	700	73	PAGE 6
Molokai Falls	CS5W	9' x 12'-5"	3'	3'	700	73	PAGE 6
Rectangle Lanning ledge	RTL	7'-8" x 15'-8"	10"	10"	900	105	PAGE 6
Semicircle	TSC1	8'-4" x 16'	10"	10"	400	92	PAGE 6

TABLE 4- POOLS

POOL	CODE	SIZE	WIDTH x LENGTH	DEPTHS	GALLONS	WATER	PAGE
					APPROX.	NUMBER	TYPE
HZDXL	HZDXL	8'-6" x 18'	3'-3" x 5'	3'-3"	3000	6	Type 0
HZE	HZE	8'-6" x 18'	5'	5'	3600	6	Type 0

Reviewed by

Donald R. Ponder, PE
Florida Lic. No. 64901
4119 Trinity Dr. Santa Rosa CA 95405
Phone 707-494-8761



Page

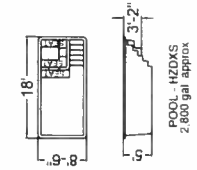
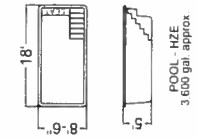
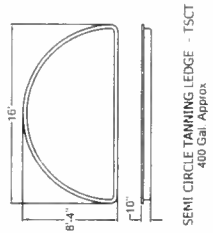
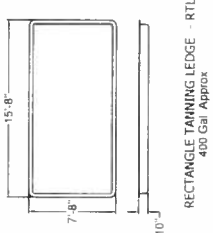
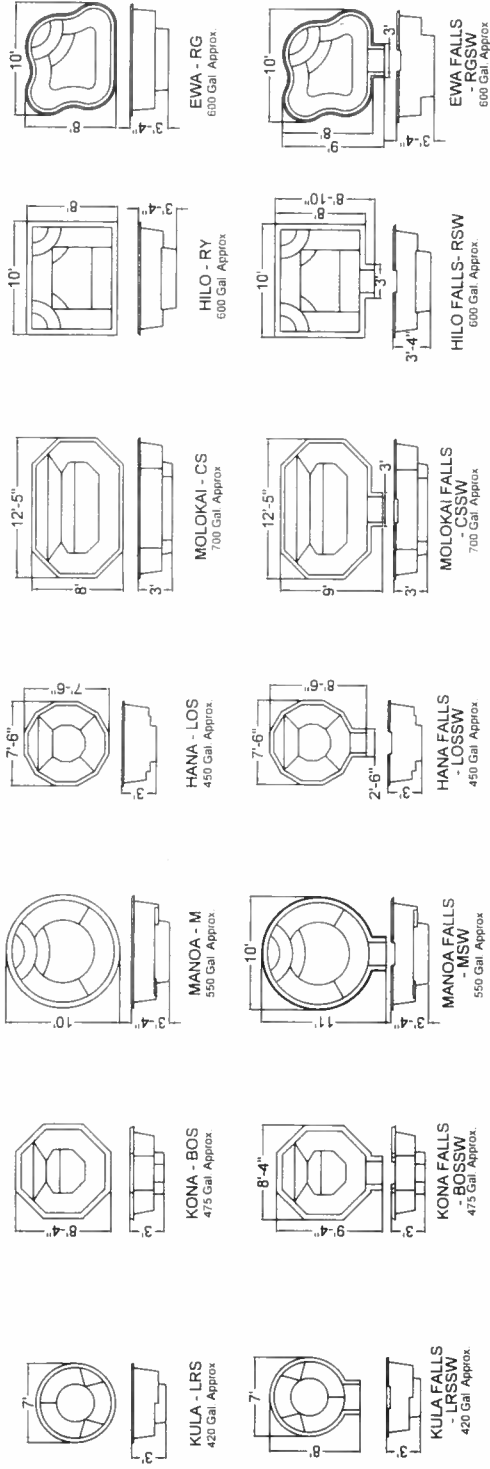
2

of 8

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 561-9934
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

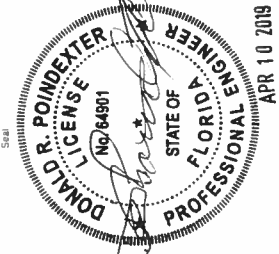
NOTES

Length, width and depth may vary up to 3% - all dimensions are to outside edge of coping, measured from parallel lines



Latham Pool Products Inc.
ICC Evaluation Report Number (ESR-2014)
Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

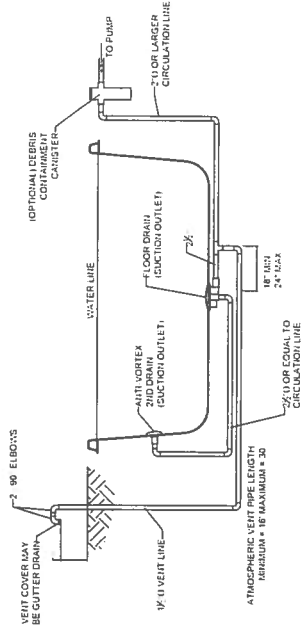
Reviewed by
Donald R. Poindexter PE
Florida Lic. No. 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-8761



NOTES

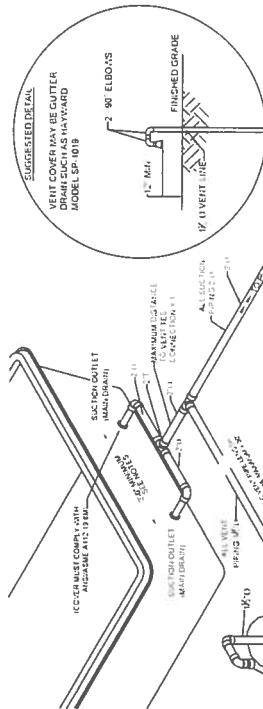
2. SEE NOTE 1 FOR SUGGESTED ELBOWS ON SUCT. & DISCH. LINE

DEBRIS REMOVAL SYSTEM
SUCKING OUTLETS & SERIES



GENERAL NOTES

- 1 THE DEBRIS REMOVAL SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH DRAIN MANUFACTURER'S RECOMMENDATIONS
- 2 THE DEBRIS REMOVAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 424.5.6 OF THE BUILDING CODE
- 3 ALL PIPING TO BE SCHEDULE 40 PIPE BEARING NSF APPROVAL UNLESS OTHERWISE NOTED
- 4 THE FLOOR DRAIN MEETS THE REQUIREMENTS OF ANSIS A112.19.8-2007 AND DRAIN COVERS MEET THE 2013 STANDARD MATERIALS OF CONSTRUCTION. REFER TO CONTRACTOR'S SPECIFICATION DRAWING ON FILE FOR METHODS AND
- 5 THIS DRAWING WILL SUPPLEMENT CONTRACTOR'S SPECIFICATION DRAWING ON FILE FOR METHODS AND
- 6 ATTACH PLACARD WHICH STATES THAT VENT IS A SWIMMING POOL SAFETY DEVICE AND SHOULD NOT BE TAMPERED WITH
- 7 THE MAXIMUM VACUUM WITH ONE PUMP PLUGGED AND TO RELEASE A BODY ENTRAPPED ON THE OTHER PUMP WILL NOT EXCEED 4.5 INCHES
- 8 MAXIMUM SUCTION PIPE VELOCITY: 800 FPM OR 50 GPM
- 9 A11 APPROVED VACUUM RELEASE SYSTEM SUCH AS THE VAC-ALERT DRS SYSTEM IS AN ALTERNATIVE TO THE OTHER SYSTEMS SHOWN

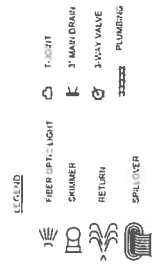
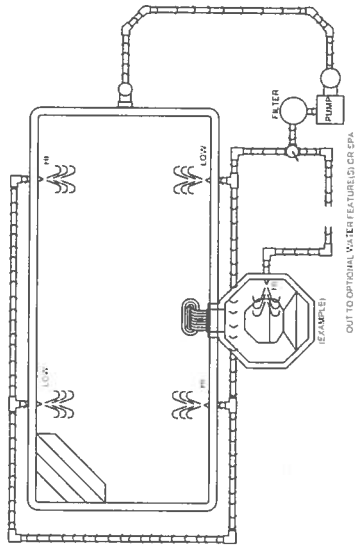


NOTES

ALTERNATIVE SUCTION OUTLETS SYSTEM
THE VERTICAL WALL OR ONE EACH ON
TWO (2) SEPARATE VERTICAL WALLS

DUAL SUCTION OUTLETS IN PARALLEL WITH OPTIONAL ATMOSPHERIC VENT SYSTEM
TO BE INSTALLED IN ACCORDANCE WITH SECTION 424.5.6 OF THE BUILDING CODE
AND SECTION 424.5.6.2 OF THE FLORIDA BUILDING CODE (RESIDENTIAL) INCLUDING 2000 SUPPLEMENT
2013 AMENDMENTS. See also Appendix A, Section 424.5.6.2 of the Florida Building Code (Residential)

EXAMPLE POOL WITH DUAL RECIRCULATION MAIN DRAINS



* SUGGESTED NOTES
1. SEE SECTION 424.5.6 FOR SUGGESTED PIPING
2. SEE SECTION 424.5.6 FOR SUGGESTED PIPING
3. SEE SECTION 424.5.6 FOR SUGGESTED PIPING
4. SEE SECTION 424.5.6 FOR SUGGESTED PIPING

Latham Pool Products Inc.
DBA Blue Hawaiian Pools
ICC Evaluation Report Number (ESR-2014)

Latham, NY Phone (800) 833-3800
Jane Lew, WV Phone (304) 884-6954 Fax (304) 884-7198
Midland, TX Phone (432) 561-9933 Fax (432) 561-9934
Williams, CA Phone (530) 473-5319 Fax (530) 473-5393
Zephyrhills, FL Phone (813) 783-7439 Fax (813) 783-7214

Page

8

of 8

Reviewed by

Donald R. Pindexter, PE
Florida Lic. No. 64901
4119 Trinity Dr Santa Rosa CA 95405
Phone 707-494-8761

