ICC
EVALUATION
SERVICE*

## DIVISION: 1300 00—SPECIAL CONSTRUCTION

## Section: 1311 13-Below-Grade Swimming Pools

## REPORT HOLDER:

## EXPLORE INDUSTRIES USA, INC dba LEISURE POOLS, IMAGINE POOLS, AND AVIVA POOLS www.exploreindustries.com

## EVALUATION SUBJECT:

## FIBERGLASS ONE-PIECE SWIMMING POOL SHELLS

### 1.0 EVALUATION SCOPE

## Compliance with the following codes:

■ 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code ${ }^{\circledR}$ (IBC)

■ 2021, 2018, 2015, 2012, 2009 and 2006 International Residential Code ${ }^{\circledR}$ (IRC)

■ 2021, 2018 and 2015 International Swimming Pool and Spa Code ${ }^{\circledR}$ (ISPSC)
■ 2021, 2018, 2015, and 2012 Uniform Swimming Pool, Spa and Hot Tub Code ${ }^{\circledR}$ (USPSHC)

■ 2022, 2019, 2016, 2013 and 2010 California Building Code ${ }^{\circledR}$ (CBC)

■ 2022, 2019, 2016, 2013 and 2010 California Residential Code ${ }^{\circledR}$ (CRC)

- 2020 and 2017 Florida Building Code ${ }^{\circledR}$ (FBC)

■ 2020 and 2017 Florida Residential Code ${ }^{\circledR}$ (FRC)
■ 2013 Abu Dhabi International Building Code ${ }^{\circledR}$ (ADIBC) ${ }^{+}$
For evaluation for compliance with codes adopted by Los Angeles Department of Building and Safety (LADBS), see ESR-1732 LABC and LARC Supplement

## Compliance with the following standards:

■ APSP/ANSI 5-2011, Standard for Residential Inground Swimming Pools
■ AC274, ICC-ES Acceptance Criteria for In-ground, Residential, Fiber-reinforced Plastic Swimming Pools and Permanently Installed Plastic Spas, dated December 2006 (editorially revised July 2017)

### 2.0 USES

The fiberglass pool shells are permanently installed in-ground and are intended for recreational use as swimming pools in residential applications with water circulated through a filter in a closed system. The pools comply with APSP/ANSI-5 as Type O or I pools.

### 3.0 DESCRIPTION

The pool shells consist of one-piece composite formed over a mold. The average material is $5 / 16$-inch-thick ( 7.9 mm ), fiberglass-reinforced plastic (FRP), composed of vinylester resin, core material and various fiber materials. The surface finish is a resin-based gel coat.

The overall dimensions, depths and capacities of recognized models are shown in Tables 1.

Notice: The pool shells are designed to remain full of water at all times. The 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, Leisure Pools or its dealers should be contacted for instructions.

### 4.0 INSTALLATION

The pool shells must be permanently installed in-ground in accordance with this report and the manufacturer's published installation instructions. All plumbing and electrical installations must comply with the applicable codes in effect at the construction site.
Subject to the code official's approval, the pool shell may be installed without a soil investigation by a registered design professional, unless any of the following conditions is encountered at the site:

1. The existence of groundwater within the excavation, where the pool floor will contact the soil at the time of installation.
2. The existence of an uncompacted fill in contact with any portion of the pool or spa shell.
3. The existence of any expansive-type soils, unless the pool manufacturer has provided specific instructions regarding expansive soils within their installation instructions.
4. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
5. Danger to adjacent structures posed by the proposed pool location.

If any of the above conditions is encountered, excavation must cease immediately. The site conditions must then be reviewed, and recommendations made, by a registered
simo
design professional. The code official must approve the registered design professional's report before work is resumed.
Details specifically for installations in expansive, clay, or adobe soils apply only when supported by the registered design professional's recommendations and approved by the code official. For Expansive soil refer to [Leisure Pools] Engineering Installation document page 3.
The pool excavation profile must coincide with the contours of the pool. The over-excavation is approximately 6 to 12 inches ( 152 to 305 mm ) on the sides and ends. The over-excavation at the pool bottom is approximately 4 inches ( 102 mm ). The backfill for the pool bottom must consist of a layer of bedding as outlined in the Explore Industries USA, Inc. current installation guides, formed to match the pool or spa profile. The pool shell must sit firmly on the bedding material and levelness of the pool or spa to be within industry guidelines. Simultaneous water fill 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 the filling procedure.

After completion of the backfill, the bond beam and decking must be installed in accordance with the manufacturer's published installation instructions, and as approved by the code official.

### 5.0 CONDITIONS OF USE

The fiberglass pool shells described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:
5.1 The pool shells must be constructed and installed in accordance with this report and the manufacturer's published installation instructions. In the event of conflict, this report governs.
5.2 Electrical and plumbing installations must comply with the applicable codes in effect at the construction site at the time of construction.
5.3 Clearances of the pools from slopes set forth in IBC Section 1808.7, CBC Section 1808.7, CRC Section R403.1.7 or IRC Section R403.1.7 must be observed.
5.4 A barrier must be installed in accordance with IBC Section 3109, ISPSC Section 305, CRC Section AG105 or IRC Section AG105, as applicable.
5.5 Slip resistance is outside the scope of this evaluation report. Reports of slip resistance tests that demonstrate compliance with Section 8.1 of APSP/ANSI- 5 must be submitted for approval by the code official.
5.6 The pools are classified as either:

Type O pools: not intended for use with diving boards or other diving equipment; or
Type I pools: maximum height of stationary diving platform or diving rock above the waterline shall be 42 inches
5.7 Pools located in flood hazard areas established in accordance with Table R301.2(1) of the IRC must comply with Sections AG101.2 and AG103.3 of the IRC, Section AG101.2 of the CRC or Section 304 of the ISPSC.
5.8 Suction outlets must be designed and installed in accordance with IBC Section 3109.5, CBC Section 3137B, CRC Section AG106, ISPSC Section 310 and IRC Section AG106.1.

### 6.0 IDENTIFICATION

6.1 The pool labels are placed on the middle of the shallow/entrance end of the pool with an imprint that includes the words "Explore Industries USA, Inc." the model designation, a coded serial number and the ICC-ES evaluation report number (ESR-1732).
A permanent sign, bearing the following statement, must be attached to the pumping equipment:
Notice: The pool shell is designed to remain full of water at all times. The 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, contact Leisure Pools USA or its dealers for instructions.

A permanent label must be attached adjacent to the above sign indicating the Explore Industries USA, Inc. distributer's name, address and telephone number.
6.2 The report holder's contact information is the following:
EXPLORE INDUSTRIES USA, INC dba LEISURE
POOLS, IMAGINE POOLS, AND AVIVA POOLS
2901 LEISURE ISLAND WAY
KNOXVILLE, TENNESSEE 37914
(865) $219-2880$
www.exploreindustries.com

TABLE 1 - MODELS

| Brand | MODEL | SIZE | MODEL ABBREVIATION | LENGTH <br> (feet/inches) | WIDTH (feet/inches) | MAX. DEPTH (feet/inches) | CAPACITY <br> (gallons) | $\begin{aligned} & \text { POOL } \\ & \text { TYPE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AVIVA | Apex | 30 | APEX091-300 | 30' 0' | 15' 5" | $6{ }^{\prime} 0$ | 11,025 | 0 |
| AVIVA | Apex | 35 | APEX107-350 | 35' 0 " | 15' 5" | $6{ }^{\prime}{ }^{\prime \prime}$ | 13,947 | 0 |
| AVIVA | Apex | 40 | APEX122-400 | 40' 0 " | 15' 5" | 6' 11" | 17,069 | 0 |
| AVIVA | Chic | 21 | CHIC065-214 | 21'4" | 10' 6" | 4'11" | 5,996 | 0 |
| AVIVA | Dynasty | 26 | DYNAS079-260 | 26' 0 " | 12' 6" | 5'9" | 8,552 | 0 |
| AVIVA | Dynasty | 30 | DYNAS091-300 | 30' 0' | 12' 6" | $6{ }^{1 \prime}$ | 9,825 | 0 |
| AVIVA | Dynasty | 35 | DYNAS107-350 | 35' 0" | 15' 5" | 6' ${ }^{\prime \prime}$ | 13,092 | 0 |
| AVIVA | Eden | 27 | EDEN084-276 | 27'0' | 15' 6" | 5' 7" | 6,826 | 0 |
| AVIVA | Eden | 32 | EDEN099-326 | 32' 0' | $15^{\prime} 1^{\prime \prime}$ | $0{ }^{\prime} 0$ | 9,155 | 0 |
| AVIVA | Eden | 37 | EDEN113-370 | $36^{\prime} 10$ | 16' 10" | $6{ }^{\prime \prime}$ | 12,181 | 0 |
| AVIVA | Intrigue | 30 | INTRI091-300 | 30' 0 " | 15' 5" | $6{ }^{\prime} 0$ | 10,939 | 0 |
| AVIVA | Intrigue | 35 | INTRI107-350 | 35' 0" | 15' 5" | $6{ }^{\prime \prime}$ | 14,851 | 0 |
| AVIVA | Intrigue | 40 | INTRI122-400 | 40' 0 " | 15' 5" | 6' 11" | 16,992 | 0 |
| AVIVA | Luxe | 30 | LUXE091-300 | 30' 0 " | 15' 5" | 5'10" | 11,295 | 0 |
| AVIVA | Luxe | 35 | LUXE107-350 | 35' $0^{\prime \prime}$ | 15' 5" | $6{ }^{\prime}{ }^{\prime \prime}$ | 14,708 | 0 |
| AVIVA | Luxe | 40 | LUXE122-400 | 40' 0 " | 15' 5" | 6' 6" | 17,439 | 0 |
| AVIVA | Ovation | 23 | OVATIO70-230 | 23' ${ }^{\prime \prime}$ | 12' 6" | 5' 4" | 5,657 | 0 |
| AVIVA | Ovation | 26 | OVATIO79-260 | 26'0' | 12' 6" | 5' 7 " | 6,855 | 0 |
| AVIVA | Ovation | 30 | OVATI091-300 | 30' 0 " | 12' 6" | 6' 11" | 8,541 | 0 |
| AVIVA | Serene | 27 | SEREN084-276 | 27'0' | 14' 3" | 5' 7 " | 6,887 | 0 |
| AVIVA | Serene | 32 | SEREN099-326 | 32'0' | 14' 9" | $6{ }^{1 \prime}$ | 9,101 | 0 |
| AVIVA | Serene | 37 | SEREN113-370 | 37' 0' | 16' 0" | 6' 4" | 12,889 | 0 |
| AVIVA | Triumph | 26 | TRIUM079-260 | 26' ${ }^{\prime \prime}$ | 12' 6" | 5' 7 " | 6,758 | 0 |
| AVIVA | Triumph | 30 | TRIUM091-300 | 30' 0" | 12' 6" | $6{ }^{\prime} 0$ | 8,445 | 0 |
| AVIVA | Vogue | 30 | VOGUE091-300 | 29'11" | 15' 5" | 5'10" | 11,983 | 0 |
| AVIVA | Vogue | 35 | VOGUE107-350 | 35' 0" | 15' 5" | $6{ }^{\prime \prime}$ | 15,158 | 0 |
| AVIVA | Vogue | 40 | VOGUE122-400 | 40' 0 " | 15' 5" | 6' 6 " | 18,118 | 0 |
| AVIVA | Savu Spa Round | N/A | SAVU | 7'8" | 7'8" | 3'0" | 598 | 0 |
| AVIVA | Savu Spa Round With Spillover | N/A | SAVUS | 7' 8" | 7' 8" | 3' 0 " | 604 | 0 |
| AVIVA | Jewel Spa Square | N/A | JEWE | 7'3" | 7'3" | 3' 2 " | 567 | 0 |
| AVIVA | Jewel Spa Square With Spillover | N/A | JEWES | 7' 3" | 7' 3" | 3' 2" | 567 | 0 |
| AVIVA | Oracle Spa | N/A | ORAC | 6' 10" | 6' 10" | $3{ }^{\prime \prime}$ | 470 | 0 |
| AVIVA | Oracle Spa With Spillover | N/A | ORACS | 6' 10" | 6' 10" | 3' 0 " | 470 | 0 |
| AVIVA | TL-C Tanning Ledge Center Spillway | N/A | TLCCS | 10' 4" | 7' 3" | 1' 0 " | 481 | 0 |
| AVIVA | TL-C Tanning Ledge Split Spillway | N/A | TLCSS | 10' 4' | 7' 3" | 1' 0 " | 481 | 0 |
| AVIVA | TL-R Tanning Ledge Center Spillway | N/A | TLRCS | 10' 3' | 6' 10" | 1' 0 " | 457 | 0 |
| AVIVA | TL-R Tanning Ledge Split Spillway | N/A | TLRSS | 10' 3' | 6' 10" | 1' 0 " | 457 | 0 |


| AVIVA | TL-XL Tanning Ledge | N/A | TLXL | 13' 11" | 7' 3" | 1'0" | 549 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EVO | Prominence | 30 | PROM091-300 | 30' 0 " | 14' 9" | $6{ }^{1 \prime}$ | 8,624 | 0 |
| EVO | Prominence | 35 | PROM107-350 | 35' 0" | 14' 9" | 6'4" | 11,593 | 0 |
| EVO | Prominence | 40 | PROM122-400 | 40' 0 " | 15' 8" | 6' 8 " | 15,045 | 0 |
| EVO | Rise | 19 | RISE057-188 | 18' 8" | 7' 4" | 4'5" | 3,064 | 0 |
| EVO | Resurgence | 10 | RESU029-096 | 9' 6" | 6' 11" | 4'5" | 1,219 | 0 |
| EVO | Innova | 16 | INNO050-165 | 16'5" | 9'6" | 5' 2 " | 3,574 | 0 |
| EVO | Innova | 20 | INNO060-198 | 19' 8" | 9'6" | 5' 4 " | 4,559 | 0 |
| EVO | Innova | 23 | INNOO70-230 | $23^{\prime \prime}$ | 9'6" | 5'7" | 5,397 | 0 |
| EVO | Innova | 26 | INNO080-263 | 26'3" | 9'6" | 5'9" | 5,906 | 0 |
| EVO | Luminescent | 26 | LUMIO79-260 | 26' ${ }^{\prime \prime}$ | 12' 6" | 5'7" | 7,173 | 0 |
| EVO | Luminescent | 30 | LUMI091-300 | 30' 0 " | 12' 6" | $6{ }^{\prime} 0$ | 9,003 | 0 |
| EVO | Evolve | 30 | EVOL091-300 | 30' 0 " | 15' 5" | 6' 0 " | 11,267 | 0 |
| EVO | Evolve | 35 | EVOL107-350 | 35' 0" | 15' 5" | 6'6" | 14,356 | 0 |
| EVO | Evolve | 40 | EVOL122-400 | 40'0" | 15' 5" | $7{ }^{\prime \prime}$ | 17,890 | 0 |
| EVO | Prosperity | 23 | PROS070-230 | 23' $0^{\prime \prime}$ | 12' 6" | 5' 5" | 7,418 | 0 |
| EVO | Prosperity | 26 | PROS080-263 | 26'3" | 12' 6" | 5'8" | 8,744 | 0 |
| EVO | Prosperity | 30 | PROS090-296 | 29'7" | 12' 6" | $5^{\prime} 10$ " | 10,114 | 0 |
| EVO | Prosperity | 33 | PROS100-330 | 32'11" | 12' 6" | $6{ }^{\prime \prime} 1$ | 11,589 | 0 |
| EVO | Prosperity including Splash Deck | 28 | PROSD085-28 | 27' $11{ }^{\prime \prime}$ | 12' 4" | 5' 5' | 8,363 | 0 |
| EVO | Prosperity including Splash Deck | 31 | PROSD095-31 | 31'1" | 12' 4" | 5' 8" | 8,535 | 0 |
| EVO | Emergence | 27 | EMER081-267 | 26'7" | 12' 4" | 5'5" | 6,665 | 0 |
| EVO | Emergence | 30 | EMER092-303 | 30' ${ }^{\prime \prime}$ | 13'11" | 5'7" | 9,255 | 0 |
| EVO | Emergence | 34 | EMER104-341 | 34'1" | 14' 6" | 5'10" | 11,363 | 0 |
| EVO | Rejuvenation | 23 | REJU071-233 | 23' ${ }^{\prime \prime}$ | 12'1" | 5' 0 " | 5,408 | 0 |
| EVO | Rejuvenation | 29 | REJU087-286 | 26' $6^{\prime \prime}$ | $14^{\prime \prime} 1^{\prime \prime}$ | 5' 8" | 9,157 | 0 |
| EVO | Achieve Spa | N/A | ACHI | $6^{\prime} 10 "$ | 3'0" | 2'12" | 470 | 0 |
| EVO | Achieve Spa with Spillover | N/A | ACHIS | 6' 10" | 3' 0 " | 2'12" | 470 | 0 |
| EVO | Strive Spa | N/A | STRI | 8'0' | 8'0" | 2'10" | 583 | 0 |
| EVO | Strive Spa with Spill Over | N/A | STRIS | 8' 0 " | 8' 0 " | $2^{\prime \prime} 10$ | 583 | 0 |
| EVO | Accel Spa | N/A | ACCE | 7'5" | 7' 5" | 3'2" | 567 | 0 |
| EVO | Accel Spa with Spill Over | N/A | ACCES | 7' 5' | 7' 5" | 3' 2 " | 567 | 0 |
| EVO | Aspire Tanning Ledge Center Spillway | N/A | ASPCS | 10' 5" | 7' 10" | 1'0" | 425 | 0 |
| EVO | Aspire Tanning Ledge Split Spillway | N/A | ASPSS | 10' 5" | 7' 10" | 1'0" | 425 | 0 |
| EVO | Evolution Tanning Ledge Center Spillway | N/A | EVOCS | 10' 5" | 6' 10" | 1'0" | 456 | 0 |
| EVO | Evolution Tanning Ledge Center Spillway | N/A | EVOSS | 10' 5" | 6' 10" | 1'0" | 456 | 0 |
| EVO | Velocity Tanning Ledge Center Spillway | N/A | VELTL | 13'11" | 0' 11" | 0' 11" | 549 | 0 |


| IMAGINE | Brilliant | 30 | BRILL091-300 | 40' 0 ' | 14'9" | $6{ }^{\prime \prime}$ | 8,488 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IMAGINE | Brilliant | 35 | BRILL107-350 | 35' 0 " | 15' 6" | 6' 4 " | 11,218 | 0 |
| IMAGINE | Brilliant | 40 | BRILL122-400 | 30' 0 " | 15' 6" | 6' 8 " | 14,000 | 0 |
| IMAGINE | Bliss | 26 | BLISS079-260 | 26'0' | 12' ${ }^{\prime \prime}$ | 5' 5" | 6,777 | 0 |
| IMAGINE | Bliss | 30 | BLISS091-300 | 30' 01 | 14'0" | 5'8" | 9,136 | 0 |
| IMAGINE | Bliss | 35 | BLISS107-350 | $35^{\prime \prime} 0$ | $14^{\prime} 0$ | $6{ }^{\prime \prime}$ | 11,564 | 0 |
| IMAGINE | Celebration | 40 | CELEB122-400 | 40' 0 " | 15' 6" | $8{ }^{\prime \prime} 0$ | 22,326 | 1 |
| IMAGINE | Exquisite | 30 | EXQUI091-300 | 30' 0 " | 15'5" | 5'91/2" | 10,710 | 0 |
| IMAGINE | Exquisite | 35 | EXQUI107-350 | 35' 0 " | 15'5" | 6'11/2" | 13,493 | 0 |
| IMAGINE | Exquisite | 40 | EXQUI122-400 | 40' 0 " | 15'5" | 6' 6" | 16,484 | 0 |
| IMAGINE | Fantasy | 26 | FANTA079-260 | 26' $0^{\prime \prime}$ | 12' 6" | 5'7" | 6,115 | 0 |
| IMAGINE | Fantasy | 30 | FANTA091-300 | 30' 0 " | $14^{\prime \prime} 0$ | 6' 0 " | 8,765 | 0 |
| IMAGINE | Fantasy | 35 | FANTA107-350 | $35^{\prime} 0{ }^{\prime \prime}$ | 14'6" | 6'6" | 11,646 | 0 |
| IMAGINE | Freedom | 23 | FREED070-230 | 23' ${ }^{\prime \prime}$ | 13'1" | 5'0" | 8,011 | 0 |
| IMAGINE | Freedom | 26 | FREED080-263 | 26' 3" | 13'1" | 5' 0 " | 9,332 | 0 |
| IMAGINE | Freedom | 30 | FREED091-300 | 30' 0 " | 13'1" | 5' 0 " | 10,931 | 0 |
| IMAGINE | Freedom with Splash Pad | 23 | FRESP095-311 | 31'1' | 13' ${ }^{\prime \prime}$ | 5' 0" | 8,342 | 0 |
| IMAGINE | Freedom with Splash Pad | 26 | FRESP105-344 | 34' 4" | 13' 1 " | 5' 0" | 9,663 | 0 |
| IMAGINE | Freedom with Splash Pad | 30 | FRESP116-381 | 38'1" | 13' 1" | 5' 0 " | 11,262 | 0 |
| IMAGINE | Illusion | 30 | ILLUS091-300 | 30' $0^{\prime \prime}$ | 15'5" | 6'0" | 10,804 | 0 |
| IMAGINE | Illusion | 35 | ILLUS107-350 | 35'0' | 15'5" | 6' 6" | 13,900 | 0 |
| IMAGINE | Illusion | 40 | ILLUS122-400 | $40^{\prime \prime} 0^{\prime \prime}$ | 15' 5" | $7{ }^{\prime \prime}$ | 16,997 | 0 |
| IMAGINE | Inspiration | 23 | INSPI070-230 | $23^{\prime \prime}$ | 13'0" | 5' 5' | 5,500 | 0 |
| IMAGINE | Inspiration | 26 | INSPI079-260 | 26'0' | 13'0" | 5'7" | 6,932 | 0 |
| IMAGINE | Inspiration | 30 | INSPI091-300 | 30' 01 | 15' 6" | $6{ }^{\prime} 0$ | 9,449 | 0 |
| IMAGINE | Inspiration | 35 | INSPI107-350 | 35' 0 " | 15'6" | 6'4" | 12,260 | 0 |
| IMAGINE | Inspiration | 40 | INSPI122-400 | 40'0" | 15' 6" | 6' 8" | 14,722 | 0 |
| IMAGINE | Marvelous | 30 | MARVE091-300 | 30' 0 " | 15' 6" | 5'10" | 16,255 | 0 |
| IMAGINE | Marvelous | 35 | MARVE107-350 | 35' $0^{\prime \prime}$ | 15'6" | $6{ }^{\prime \prime}$ | 19,598 | 0 |
| IMAGINE | Marvelous | 40 | MARVE122-400 | 40' $0^{\prime \prime}$ | 15'6" | 6'6" | 23,147 | 0 |
| IMAGINE | Vision | 16 | VISIOO49-160 | $16^{\prime} 0{ }^{\prime \prime}$ | $10^{\prime} 0{ }^{\prime \prime}$ | $5{ }^{\prime \prime}$ | 4,029 | 0 |
| IMAGINE | Vision | 20 | VISIO061-200 | 20' $0^{\prime \prime}$ | 10' 0 " | 5'0" | 5,233 | 0 |
| IMAGINE | Vision | 23 | VISIOO70-230 | 23'0" | $10^{\prime} 0$ | 5'0" | 6,167 | 0 |
| IMAGINE | Vision | 26 | VISIO079-260 | 26'0" | 10' 0" | 5'0" | 7,043 | 0 |
| IMAGINE | Treasure Spa | N/A | TREA | 8'0' | 8'0" | 2'10" | 583 | 0 |
| IMAGINE | Treasure Spa with Spillover | N/A | TREAS | 8' 0 " | 8'0" | 2'10" | 583 | 0 |
| IMAGINE | Dream Spa | N/A | DREA | 7' 5" | 7'5" | 3' 2" | 567 | 0 |
| IMAGINE | Dream Spa with Spillover | N/A | DREAS | 7' 5' | $7{ }^{\prime \prime}$ | 3' 2 " | 567 | 0 |
| IMAGINE | Mystique Spa | N/A | MYST | 6'10" | $6{ }^{\prime} 10$ | $3^{\prime} 0$ | 470 | 0 |
| IMAGINE | Mystique Spa with Spill Over | N/A | MYSTS | 6' 10" | 6' 10" | 3' 0" | 470 | 0 |
| IMAGINE | Lagoon Tanning Ledge | N/A | LAGTL | 13' 11 1/2" | 7'3" | 11" | 549 | 0 |
| IMAGINE | Mercury Tanning Ledge Center Spillway | N/A | MERCS | 10' 5" | 6' 10" | 1' 0 " | 456 | 0 |


| IMAGINE | Mercury Tanning Ledge Split Spillway | N/A | MERSS | 10'5" | 6'10" | 1'0" | 456 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IMAGINE | Pearl Tanning Ledge Center Spillway | N/A | PEACS | 10' 5" | 7'10" | 1'0" | 425 | 0 |
| IMAGINE | Pearl Tanning Ledge Split Spillway | N/A | PEASS | 10' 5" | 7'10" | 1'0" | 425 | 0 |
| LEISURE | Allure | 30 | ALLUR091-300 | 30' 0 " | 14'9" | $6{ }^{\prime} 1$ " | 8,247 | 0 |
| LEISURE | Allure | 35 | ALLUR107-350 | 35'0" | 14'9" | 6'4" | 11,174 | 0 |
| LEISURE | Allure | 40 | ALLUR122-400 | 40' 0 " | 15' 8" | 6'8" | 14,637 | 0 |
| LEISURE | Caribbean | 40 | CARIB122-400 | 40'0" | 16'0" | 6' 4" | 16,535 | 0 |
| LEISURE | Courtyard Roman | 20 | ROMAN060-199 | 19'9" | 11'6" | 5'1" | 5,122 | 0 |
| LEISURE | Cube | 23 | CUBE071-234 | 23'0" | 10'10" | 4'11" | 6,262 | 0 |
| LEISURE | Cube | 26 | CUBE081-267 | 26'3" | 10'10" | 4'11" | 7,323 | 0 |
| LEISURE | Cube | 30 | CUBE090-296 | 29'6" | 13'1" | 4'11" | 10,567 | 0 |
| LEISURE | Cube | 34 | CUBE105-346 | 34'6" | 13'1" | 4'11" | 12,616 | 0 |
| LEISURE | Cube | 39 | CUBE120-395 | 39'5" | 13' 1" | 4'11" | 14,665 | 0 |
| LEISURE | Eclipse | 30 | ECLIP091-300 | $30^{\prime \prime}{ }^{\prime \prime}$ | 14' 9" | $6{ }^{\prime} 1$ ' | 8,624 | 0 |
| LEISURE | Eclipse | 35 | ECLIP107-350 | 35'0" | 14' 9" | 6' 4 " | 11,593 | 0 |
| LEISURE | Eclipse | 40 | ECLIP122-400 | 40' 0 " | 15' 8" | 6'8" | 15,045 | 0 |
| LEISURE | Elegance | 20 | ELEGA060-198 | 19'8" | 11'6" | 5' 6" | 5,361 | 0 |
| LEISURE | Elegance | 23 | ELEGA070-230 | 23'0" | 12' 6" | 5'7" | 7,113 | 0 |
| LEISURE | Elegance | 26 | ELEGA080-263 | 26'3" | 14'6" | 5'9" | 10,012 | 0 |
| LEISURE | Elegance | 30 | ELEGA090-296 | 29'7' | 14' 6" | 5'9" | 11,282 | 0 |
| LEISURE | Elegance | 33 | ELEGA101-330 | 33' 0 " | 14' ${ }^{\prime \prime}$ | 6'0" | 12,837 | 0 |
| LEISURE | Elegance | 39 | ELEGA120-394 | 39'4" | 14' ${ }^{\prime \prime}$ | 6' 2 " | 15,301 | 0 |
| LEISURE | Esprit | 19 | ESPRI057-188 | 18'8' | $7{ }^{\prime \prime}$ | 4'5" | 3,064 | 0 |
| LEISURE | Fiji Plunge | 10 | FIJIP029-096 | 9'6" | 6' 11" | 4'5" | 1,219 | 0 |
| LEISURE | Harmony | 16 | HARMO050-165 | $16^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | 5' 2 " | 3,574 | 0 |
| LEISURE | Harmony | 20 | HARMO060-198 | 19'8' | $9^{\prime} 6^{\prime \prime}$ | 5'4" | 4,559 | 0 |
| LEISURE | Harmony | 23 | HARMO070-230 | 23'0" | 9'6" | 5'7" | 5,397 | 0 |
| LEISURE | Harmony | 26 | HARMO080-263 | 26'3" | $9^{\prime} 6{ }^{\prime \prime}$ | 5' 9" | 5,906 | 0 |
| LEISURE | Horizon | 23 | HORIZO70-230 | 23'0' | 15' 9" | 4'0" | 4,038 | 0 |
| LEISURE | Icon | 40 | ICON122-400 | 40'0' | 15' 5" | 8'0' | 20,113 | 1 |
| LEISURE | Infinity | 40 | INFIN122-400 | 40' $0^{\prime \prime}$ | 15' 6" | 8' 0 " | 22,009 | 1 |
| LEISURE | Limitless | 26 | LIMIT079-260 | 26'0' | 12' 6" | 5'7" | 7,173 | 0 |
| LEISURE | Limitless | 30 | LIMIT091-300 | $30^{\prime \prime} 0^{\prime \prime}$ | 12' 6" | 6' 0 " | 9,003 | 0 |
| LEISURE | Mediterranean | 40 | MEDIT122-400 | 40' $0^{\prime \prime}$ | 16'0" | 8'0" | 20,862 | 1 |
| LEISURE | Moroccan | 27 | MOROC082-270 | 26'11" | 13' 6" | 5'5" | 8,972 | 0 |
| LEISURE | Moroccan | 31 | MOROC094-310 | 30' 10" | 14' 6" | 5'8" | 11,854 | 0 |
| LEISURE | Moroccan | 34 | MOROC104-342 | 34' 2 | 14' 6" | 5'11" | 13,658 | 0 |
| LEISURE | Moroccan | 38 | MOROC117-385 | 38'5" | 14' 6" | 6' ${ }^{\prime \prime}$ | 15,777 | 0 |
| LEISURE | Palladium Plunge | 16 | PALLA049-160 | $16^{\prime \prime} 0^{\prime \prime}$ | 8' 0 " | 5' 0' | 2,742 | 0 |
| LEISURE | Palladium Plunge | 20 | PALLA061-200 | 20'0' | 8'0" | 5'0" | 3,889 | 0 |
| LEISURE | Pinnacle | 30 | PARAD049-160 | 30' $0^{\prime \prime}$ | 15' 5" | 6' 0" | 11,267 | 0 |
| LEISURE | Pinnacle | 35 | PARAD061-200 | 35'0' | 15' 5" | 6' 6" | 14,356 | 0 |
| LEISURE | Pinnacle | 40 | PARAD070-230 | $40^{\prime \prime} 0^{\prime \prime}$ | 15' 5" | $7{ }^{\prime \prime}$ | 17,890 | 0 |
| LEISURE | Precision | 23 | PARAD079-260 | 23'4" | 10'8" | 4'11" | 6,350 | 0 |


| LEISURE | Precision | 27 | PINNA091-300 | 26'4" | 10'8" | 4'11" | 7,052 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LEISURE | Reflection | 23 | PINNA107-350 | 23' ${ }^{\prime \prime}$ | 12' 6" | 5'5" | 7,418 | 0 |
| LEISURE | Reflection | 26 | PINNA122-400 | 26' 3" | 12' 6" | 5' 8" | 8,744 | 0 |
| LEISURE | Reflection | 30 | PRECI049-160 | 29'7" | 12' 6" | 5'10" | 10,114 | 0 |
| LEISURE | Reflection | 33 | PRECI061-200 | 32' 11" | 12' 6" | $6{ }^{1 \prime}$ | 11,589 | 0 |
| LEISURE | $\qquad$ | 28 | REFSD085-280 | 27' 11" | 12' 4" | 5' 5" | 8,363 | 0 |
| LEISURE | Reflection including Splash Deck | 31 | REFSD095-312 | 31' 1' | 12' 4" | 5' 8" | 8,535 | 0 |
| LEISURE | Reflection plus Cover Box | 26 | REFLC079-260 | 26' 0" | 13' 4" | 5' 5" | 8,068 | 0 |
| LEISURE | Reflection plus Cover Box | 30 | REFLC089-293 | 29'3" | 13' ${ }^{\prime \prime}$ | 5' 8" | 9,410 | 0 |
| LEISURE | Reflection plus Cover Box | 33 | REFLC099-327 | 32'7" | 13' 4" | 5' 10" | 10,793 | 0 |
| LEISURE | Riviera | 27 | RIVIE081-267 | 26' 7 " | 12'4" | 5'5" | 6,665 | 0 |
| LEISURE | Riviera | 30 | RIVIE092-303 | 30'3" | 13'11" | 5'7" | 9,255 | 0 |
| LEISURE | Riviera | 34 | RIVIE104-341 | 34'1" | 14' ${ }^{\prime \prime}$ | 5'10" | 11,363 | 0 |
| LEISURE | Roman | 23 | ROMAN070-231 | 23'1" | 11' ${ }^{\prime \prime}$ | $5{ }^{\prime \prime}$ | 5,586 | 0 |
| LEISURE | Roman | 28 | ROMAN086-283 | 28'3" | 11'6" | 5'6" | 7,332 | 0 |
| LEISURE | Summit | 30 | SUMMI091-300 | 30' 0 " | 14'0" | $6{ }^{\prime} 0$ | 10,106 | 0 |
| LEISURE | Summit | 35 | SUMMI107-350 | 35' 0" | 14'0" | 6' 6" | 12,913 | 0 |
| LEISURE | Supreme | 30 | SUPRE091-300 | 30' 0 " | 15' ${ }^{\prime \prime}$ | 5'11" | 13,724 | 0 |
| LEISURE | Supreme | 35 | SUPRE107-350 | $35{ }^{\prime} 0$ | 15' 5" | $6{ }^{\prime \prime}$ | 16,320 | 0 |
| LEISURE | Supreme | 40 | SUPRE122-400 | 40' $0^{\prime \prime}$ | 15'5" | 6' 7 " | 18,948 | 0 |
| LEISURE | Tuscany | 23 | TUSCA071-233 | 23' ${ }^{\prime \prime}$ | 12'1" | $5{ }^{\prime} 0$ | 5,408 | 0 |
| LEISURE | Tuscany | 29 | TUSCA087-286 | 26' 6" | 14'1" | 5' 8" | 9,157 | 0 |
| LEISURE | Ultimate | 30 | ULTIM091-300 | 30' 0" | 15'5" | $6{ }^{\prime} 0$ | 11,346 | 0 |
| LEISURE | Ultimate | 35 | ULTIM107-350 | $35{ }^{\prime \prime}$ | 15' 5" | $6^{\prime} 6$ | 14,438 | 0 |
| LEISURE | Ultimate | 40 | ULTIM122-400 | 40' 0 " | 15' 5" | $7{ }^{\prime} 0$ | 17,690 | 0 |
| LEISURE | Wave | 30 | WAVE091-300 | 30' 0 " | 15' 6" | $5{ }^{\prime \prime}$ | 11,254 | 0 |
| LEISURE | Wave | 35 | WAVE107-350 | 35' 0" | 15' 6" | $6{ }^{1} 0$ | 14,070 | 0 |
| LEISURE | Wave | 40 | WAVE122-400 | 40' 0" | 15' 6" | 6'4" | 17,039 | 0 |
| LEISURE | Amalfi Spa | N/A | AMAL | $6^{\prime} 10 "$ | 3' 0 " | 2'12" | 470 | 0 |
| LEISURE | Amalfi Spa with Spillover | N/A | AMALS | 6' 10" | 3' 0 " | 2' 12" | 470 | 0 |
| LEISURE | Calvi Spa - Round | N/A | CALV | $8{ }^{\prime \prime}$ | $8{ }^{\prime \prime} 0$ | 2'10" | 583 | 0 |
| LEISURE | Calvi Spa - Round with Spill Over | N/A | CALVS | 8' 0 " | 8' 0 " | 2' 10" | 583 | 0 |
| LEISURE | Sorrento Spa Square | N/A | SORR | 7' 5" | 7'5" | 3' 2" | 567 | 0 |
| LEISURE | Sorrento Spa Square with Spill Over | N/A | SORRS | 7' 5" | 7' 5" | 3' 2" | 567 | 0 |
| LEISURE | Opal Tanning Ledge Center Spillway | N/A | OPACS | 10' 5" | 7' 10" | 1' 0" | 425 | 0 |
| LEISURE | Opal Tanning Ledge Split Spillway | N/A | OPASS | 10' 5" | 7' 10" | 1'0" | 425 | 0 |
| LEISURE | Quartz Tanning Ledge | N/A | QUATL | 13' 11" | 0' 11" | 0' 11" | 549 | 0 |


| LEISURE | Topaz Tanning <br> Ledge Center <br> Spillway | N/A | TOPCS | $10^{\prime} 5^{\prime \prime}$ | $6^{\prime} 10^{\prime \prime}$ | $1^{\prime} 0^{\prime \prime}$ | 456 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Topaz Tanning <br> Ledge Split <br> Spillway | N/A | TOPSS | $10^{\prime} 5^{\prime \prime}$ | $6^{\prime} 10^{\prime \prime}$ | $1^{\prime} 0^{\prime \prime}$ | 456 | 0 |

For SI: 1 foot $=304.8 \mathrm{~mm}, 1$ inch $=25.4 \mathrm{~mm}, 1$ gallon $=3.785$ liters.

DIVISION: 1300 00—SPECIAL CONSTRUCTION
Section: 1311 16—Below-Grade Swimming Pools
REPORT HOLDER:

## EXPLORE INDUSTRIES USA, INC dba LEISURE POOLS, IMAGINE POOLS, AND AVIVA POOLS 2901 LEISURE ISLAND WAY <br> KNOXVILLE, TENNESSEE 37914 <br> (865) 219-2880 <br> www.exploreindustries.com

## EVALUATION SUBJECT:

## FIBERGLASS ONE-PIECE SWIMMING POOL AND SPA SHELLS

### 1.0 REPORT PURPOSE AND SCOPE

## Purpose:

The purpose of this evaluation report supplement is to indicate that Explore Industries USA Fiberglass One-Piece Swimming Pool and Spa Shells, described in ICC-ES master evaluation report ESR-1732, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

## Applicable code editions:

- 2020 City of Los Angeles Building Code (LABC)
- 2020 City of Los Angeles Residential Code (LARC)


### 2.0 CONCLUSIONS

The Explore Industries USA Fiberglass One-Piece Swimming Pool and Spa Shells, described in Sections 2.0 through 6.0 of the master evaluation report ESR-1732, comply with the LABC Chapter 31B, and the LARC Section R326 and Appendix V, and is subjected to the conditions of use described in this supplement.

### 3.0 CONDITIONS OF USE

The Explore Industries USA Fiberglass One-Piece Swimming Pool and Spa Shells described in this evaluation report must comply with all of the following conditions:

- All applicable sections in the master evaluation report ESR-1732.
- The design, installation and inspection are in accordance with additional requirements of the 2020 LABC, as applicable and the Information Bulletin P/BC 2014-014.
- The pool must remain full of water at all times. A permanent sign shall be attached to the plumbing equipment to read as follows:

Notice: The Pool and Spa shells are designed to remain full of water at all times. The shell may be damaged if the water level is allowed to drop below the skimmer. When appreciable drawdown is noticed or if it becomes necessary to drain the pool, contact Explore Industries USA or its dealers for instructions.

- Pools shall not be installed in a "Grading Area" if the direction of the bedding planes is such that the water used to puddle the sand fill may lubricate the bedding planes and cause earth movement. A pre-inspection of every pool located in a "Grading Area" shall be made by the grading inspector to verify this condition as well as other potential geologic hazards.
- The pool shall not be located where it may be surcharged by an existing building footing or other superimposed load on the same property or possible future surcharge from an adjacent property.
- The structural capacity of the pool wall has been verified by test and shall be assumed capable of supporting either expansive or non-expansive earth banks with the pool empty.
- The reinforced concrete pool deck, which shall have a minimum width of four feet, shall be designed by a California licensed civil or structural engineer to take the reaction from the pool wall assuming a triangular load distribution on the wall. The reaction will be dependent on whether the soil is expansive or non-expansive. Where the soil is expansive, the minimum assumed equivalent fluid pressure shall be 45 pounds per cubic foot. Proper consideration shall be provided at construction joints, if any, in the pool deck to assure that reinforcing steel is continuous and that shear reactions are provided for. Proper coverage shall be provided for the reinforcing steel.
- Pool lighting fixtures shall be specifically "listed" for use in plastic pools and shall be supplied by a circuit protected by a ground fault interrupter.
- Diving equipment may only be installed on Type I pools and must meet the minimum requirements of, and be installed in accordance with, Section 5.8 of APSP/ANSI-5.
- During installation, pool protection fences and gates shall be in place and operable when the depth of water exceeds 18 ".
- The main drain line and its connection to the pool shell are assembled during the fabrication process and no on-site inspection of that line is required other than the pressure test required by the Plumbing Code.
- Pools will be supported by at least 6 " of puddled sand placed over the excavated area and between the pool wall and the earth bank.
- Public swimming pools (i.e. accessory to multi-family dwellings) require approval from County of Los Angeles Department of Health Services prior to issuance of permit for the swimming pool or spa.

This supplement expires concurrently with the master report, issued May 2023

