



DIVISION: 13 00 00—SPECIAL CONSTRUCTION
Section: 13 11 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*® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2021, 2018 and 2015 *International Swimming Pool and Spa Code*® (ISPSC)
- 2021, 2018, 2015, and 2012 *Uniform Swimming Pool, Spa and Hot Tub Code*® (USPSHC)
- 2022, 2019, 2016, 2013 and 2010 *California Building Code*® (CBC)
- 2022, 2019, 2016, 2013 and 2010 *California Residential Code*® (CRC)
- 2020 and 2017 *Florida Building Code*® (FBC)
- 2020 and 2017 *Florida Residential Code*® (FRC)
- 2013 *Abu Dhabi International Building Code*® (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

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. distributor'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 (feet/inches)	WIDTH (feet/inches)	MAX. DEPTH (feet/inches)	CAPACITY (gallons)	POOL TYPE
AVIVA	Apex	30	APEX091-300	30' 0"	15' 5"	6' 0"	11,025	O
AVIVA	Apex	35	APEX107-350	35' 0"	15' 5"	6' 6"	13,947	O
AVIVA	Apex	40	APEX122-400	40' 0"	15' 5"	6' 11"	17,069	O
AVIVA	Chic	21	CHIC065-214	21' 4"	10' 6"	4' 11"	5,996	O
AVIVA	Dynasty	26	DYNAS079-260	26' 0"	12' 6"	5' 9"	8,552	O
AVIVA	Dynasty	30	DYNAS091-300	30' 0"	12' 6"	6' 1"	9,825	O
AVIVA	Dynasty	35	DYNAS107-350	35' 0"	15' 5"	6' 2"	13,092	O
AVIVA	Eden	27	EDEN084-276	27' 0"	15' 6"	5' 7"	6,826	O
AVIVA	Eden	32	EDEN099-326	32' 0"	15' 1"	0' 0"	9,155	O
AVIVA	Eden	37	EDEN113-370	36' 10"	16' 10"	6' 5"	12,181	O
AVIVA	Intrigue	30	INTRI091-300	30' 0"	15' 5"	6' 0"	10,939	O
AVIVA	Intrigue	35	INTRI107-350	35' 0"	15' 5"	6' 6"	14,851	O
AVIVA	Intrigue	40	INTRI122-400	40' 0"	15' 5"	6' 11"	16,992	O
AVIVA	Luxe	30	LUXE091-300	30' 0"	15' 5"	5' 10"	11,295	O
AVIVA	Luxe	35	LUXE107-350	35' 0"	15' 5"	6' 2"	14,708	O
AVIVA	Luxe	40	LUXE122-400	40' 0"	15' 5"	6' 6"	17,439	O
AVIVA	Ovation	23	OVATI070-230	23' 0"	12' 6"	5' 4"	5,657	O
AVIVA	Ovation	26	OVATI079-260	26' 0"	12' 6"	5' 7"	6,855	O
AVIVA	Ovation	30	OVATI091-300	30' 0"	12' 6"	6' 11"	8,541	O
AVIVA	Serene	27	SEREN084-276	27' 0"	14' 3"	5' 7"	6,887	O
AVIVA	Serene	32	SEREN099-326	32' 0"	14' 9"	6' 1"	9,101	O
AVIVA	Serene	37	SEREN113-370	37' 0"	16' 0"	6' 4"	12,889	O
AVIVA	Triumph	26	TRIUM079-260	26' 0"	12' 6"	5' 7"	6,758	O
AVIVA	Triumph	30	TRIUM091-300	30' 0"	12' 6"	6' 0"	8,445	O
AVIVA	Vogue	30	VOGUE091-300	29' 11"	15' 5"	5' 10"	11,983	O
AVIVA	Vogue	35	VOGUE107-350	35' 0"	15' 5"	6' 2"	15,158	O
AVIVA	Vogue	40	VOGUE122-400	40' 0"	15' 5"	6' 6"	18,118	O
AVIVA	Savu Spa Round	N/A	SAVU	7' 8"	7' 8"	3' 0"	598	O
AVIVA	Savu Spa Round With Spillover	N/A	SAVUS	7' 8"	7' 8"	3' 0"	604	O
AVIVA	Jewel Spa Square	N/A	JEWE	7' 3"	7' 3"	3' 2"	567	O
AVIVA	Jewel Spa Square With Spillover	N/A	JEWES	7' 3"	7' 3"	3' 2"	567	O
AVIVA	Oracle Spa	N/A	ORAC	6' 10"	6' 10"	3' 0"	470	O
AVIVA	Oracle Spa With Spillover	N/A	ORACS	6' 10"	6' 10"	3' 0"	470	O
AVIVA	TL-C Tanning Ledge Center Spillway	N/A	TLCCS	10' 4"	7' 3"	1' 0"	481	O
AVIVA	TL-C Tanning Ledge Split Spillway	N/A	TLCSS	10' 4"	7' 3"	1' 0"	481	O
AVIVA	TL-R Tanning Ledge Center Spillway	N/A	TLRCS	10' 3"	6' 10"	1' 0"	457	O
AVIVA	TL-R Tanning Ledge Split Spillway	N/A	TLRSS	10' 3"	6' 10"	1' 0"	457	O

AVIVA	TL-XL Tanning Ledge	N/A	TLXL	13' 11"	7' 3"	1' 0"	549	O
EVO	Prominence	30	PROM091-300	30' 0"	14' 9"	6' 1"	8,624	O
EVO	Prominence	35	PROM107-350	35' 0"	14' 9"	6' 4"	11,593	O
EVO	Prominence	40	PROM122-400	40' 0"	15' 8"	6' 8"	15,045	O
EVO	Rise	19	RISE057-188	18' 8"	7' 4"	4' 5"	3,064	O
EVO	Resurgence	10	RESU029-096	9' 6"	6' 11"	4' 5"	1,219	O
EVO	Innova	16	INNO050-165	16' 5"	9' 6"	5' 2"	3,574	O
EVO	Innova	20	INNO060-198	19' 8"	9' 6"	5' 4"	4,559	O
EVO	Innova	23	INNO070-230	23' 0"	9' 6"	5' 7"	5,397	O
EVO	Innova	26	INNO080-263	26' 3"	9' 6"	5' 9"	5,906	O
EVO	Luminescent	26	LUMI079-260	26' 0"	12' 6"	5' 7"	7,173	O
EVO	Luminescent	30	LUMI091-300	30' 0"	12' 6"	6' 0"	9,003	O
EVO	Evolve	30	EVOL091-300	30' 0"	15' 5"	6' 0"	11,267	O
EVO	Evolve	35	EVOL107-350	35' 0"	15' 5"	6' 6"	14,356	O
EVO	Evolve	40	EVOL122-400	40' 0"	15' 5"	7' 0"	17,890	O
EVO	Prosperity	23	PROS070-230	23' 0"	12' 6"	5' 5"	7,418	O
EVO	Prosperity	26	PROS080-263	26' 3"	12' 6"	5' 8"	8,744	O
EVO	Prosperity	30	PROS090-296	29' 7"	12' 6"	5' 10"	10,114	O
EVO	Prosperity	33	PROS100-330	32' 11"	12' 6"	6' 1"	11,589	O
EVO	Prosperity including Splash Deck	28	PROSD085-28	27' 11"	12' 4"	5' 5"	8,363	O
EVO	Prosperity including Splash Deck	31	PROSD095-31	31' 1"	12' 4"	5' 8"	8,535	O
EVO	Emergence	27	EMER081-267	26' 7"	12' 4"	5' 5"	6,665	O
EVO	Emergence	30	EMER092-303	30' 3"	13' 11"	5' 7"	9,255	O
EVO	Emergence	34	EMER104-341	34' 1"	14' 6"	5' 10"	11,363	O
EVO	Rejuvenation	23	REJU071-233	23' 3"	12' 1"	5' 0"	5,408	O
EVO	Rejuvenation	29	REJU087-286	26' 6"	14' 1"	5' 8"	9,157	O
EVO	Achieve Spa	N/A	ACHI	6' 10"	3' 0"	2' 12"	470	O
EVO	Achieve Spa with Spillover	N/A	ACHIS	6' 10"	3' 0"	2' 12"	470	O
EVO	Strive Spa	N/A	STRI	8' 0"	8' 0"	2' 10"	583	O
EVO	Strive Spa with Spill Over	N/A	STRIS	8' 0"	8' 0"	2' 10"	583	O
EVO	Accel Spa	N/A	ACCE	7' 5"	7' 5"	3' 2"	567	O
EVO	Accel Spa with Spill Over	N/A	ACCES	7' 5"	7' 5"	3' 2"	567	O
EVO	Aspire Tanning Ledge Center Spillway	N/A	ASPCS	10' 5"	7' 10"	1' 0"	425	O
EVO	Aspire Tanning Ledge Split Spillway	N/A	ASPSS	10' 5"	7' 10"	1' 0"	425	O
EVO	Evolution Tanning Ledge Center Spillway	N/A	EVOCS	10' 5"	6' 10"	1' 0"	456	O
EVO	Evolution Tanning Ledge Center Spillway	N/A	EVOSS	10' 5"	6' 10"	1' 0"	456	O
EVO	Velocity Tanning Ledge Center Spillway	N/A	VELTL	13' 11"	0' 11"	0' 11"	549	O

IMAGINE	Brilliant	30	BRILL091-300	40' 0"	14' 9"	6' 1"	8,488	O
IMAGINE	Brilliant	35	BRILL107-350	35' 0"	15' 6"	6' 4"	11,218	O
IMAGINE	Brilliant	40	BRILL122-400	30' 0"	15' 6"	6' 8"	14,000	O
IMAGINE	Bliss	26	BLISS079-260	26' 0"	12' 6"	5' 5"	6,777	O
IMAGINE	Bliss	30	BLISS091-300	30' 0"	14' 0"	5' 8"	9,136	O
IMAGINE	Bliss	35	BLISS107-350	35' 0"	14' 0"	6' 2"	11,564	O
IMAGINE	Celebration	40	CELEB122-400	40' 0"	15' 6"	8' 0"	22,326	I
IMAGINE	Exquisite	30	EXQUI091-300	30' 0"	15' 5"	5' 9 1/2"	10,710	O
IMAGINE	Exquisite	35	EXQUI107-350	35' 0"	15' 5"	6' 1 1/2"	13,493	O
IMAGINE	Exquisite	40	EXQUI122-400	40' 0"	15' 5"	6' 6"	16,484	O
IMAGINE	Fantasy	26	FANTA079-260	26' 0"	12' 6"	5' 7"	6,115	O
IMAGINE	Fantasy	30	FANTA091-300	30' 0"	14' 0"	6' 0"	8,765	O
IMAGINE	Fantasy	35	FANTA107-350	35' 0"	14' 6"	6' 6"	11,646	O
IMAGINE	Freedom	23	FREED070-230	23' 0"	13' 1"	5' 0"	8,011	O
IMAGINE	Freedom	26	FREED080-263	26' 3"	13' 1"	5' 0"	9,332	O
IMAGINE	Freedom	30	FREED091-300	30' 0"	13' 1"	5' 0"	10,931	O
IMAGINE	Freedom with Splash Pad	23	FRESP095-311	31' 1"	13' 1"	5' 0"	8,342	O
IMAGINE	Freedom with Splash Pad	26	FRESP105-344	34' 4"	13' 1"	5' 0"	9,663	O
IMAGINE	Freedom with Splash Pad	30	FRESP116-381	38' 1"	13' 1"	5' 0"	11,262	O
IMAGINE	Illusion	30	ILLUS091-300	30' 0"	15' 5"	6' 0"	10,804	O
IMAGINE	Illusion	35	ILLUS107-350	35' 0"	15' 5"	6' 6"	13,900	O
IMAGINE	Illusion	40	ILLUS122-400	40' 0"	15' 5"	7' 0"	16,997	O
IMAGINE	Inspiration	23	INSPI070-230	23' 0"	13' 0"	5' 5"	5,500	O
IMAGINE	Inspiration	26	INSPI079-260	26' 0"	13' 0"	5' 7"	6,932	O
IMAGINE	Inspiration	30	INSPI091-300	30' 0"	15' 6"	6' 0"	9,449	O
IMAGINE	Inspiration	35	INSPI107-350	35' 0"	15' 6"	6' 4"	12,260	O
IMAGINE	Inspiration	40	INSPI122-400	40' 0"	15' 6"	6' 8"	14,722	O
IMAGINE	Marvelous	30	MARVE091-300	30' 0"	15' 6"	5' 10"	16,255	O
IMAGINE	Marvelous	35	MARVE107-350	35' 0"	15' 6"	6' 2"	19,598	O
IMAGINE	Marvelous	40	MARVE122-400	40' 0"	15' 6"	6' 6"	23,147	O
IMAGINE	Vision	16	VISIO049-160	16' 0"	10' 0"	5' 0"	4,029	O
IMAGINE	Vision	20	VISIO061-200	20' 0"	10' 0"	5' 0"	5,233	O
IMAGINE	Vision	23	VISIO070-230	23' 0"	10' 0"	5' 0"	6,167	O
IMAGINE	Vision	26	VISIO079-260	26' 0"	10' 0"	5' 0"	7,043	O
IMAGINE	Treasure Spa	N/A	TREA	8' 0"	8' 0"	2' 10"	583	O
IMAGINE	Treasure Spa with Spillover	N/A	TREAS	8' 0"	8' 0"	2' 10"	583	O
IMAGINE	Dream Spa	N/A	DREA	7' 5"	7' 5"	3' 2"	567	O
IMAGINE	Dream Spa with Spillover	N/A	DREAS	7' 5"	7' 5"	3' 2"	567	O
IMAGINE	Mystique Spa	N/A	MYST	6' 10"	6' 10"	3' 0"	470	O
IMAGINE	Mystique Spa with Spill Over	N/A	MYSTS	6' 10"	6' 10"	3' 0"	470	O
IMAGINE	Lagoon Tanning Ledge	N/A	LAGTL	13' 11 1/2"	7' 3"	11"	549	O
IMAGINE	Mercury Tanning Ledge Center Spillway	N/A	MERCS	10' 5"	6' 10"	1' 0"	456	O

IMAGINE	Mercury Tanning Ledge Split Spillway	N/A	MERSS	10' 5"	6' 10"	1' 0"	456	O
IMAGINE	Pearl Tanning Ledge Center Spillway	N/A	PEACS	10' 5"	7' 10"	1' 0"	425	O
IMAGINE	Pearl Tanning Ledge Split Spillway	N/A	PEASS	10' 5"	7' 10"	1' 0"	425	O
LEISURE	Allure	30	ALLUR091-300	30' 0"	14' 9"	6' 1"	8,247	O
LEISURE	Allure	35	ALLUR107-350	35' 0"	14' 9"	6' 4"	11,174	O
LEISURE	Allure	40	ALLUR122-400	40' 0"	15' 8"	6' 8"	14,637	O
LEISURE	Caribbean	40	CARIB122-400	40' 0"	16' 0"	6' 4"	16,535	O
LEISURE	Courtyard Roman	20	ROMAN060-199	19' 9"	11' 6"	5' 1"	5,122	O
LEISURE	Cube	23	CUBE071-234	23' 0"	10' 10"	4' 11"	6,262	O
LEISURE	Cube	26	CUBE081-267	26' 3"	10' 10"	4' 11"	7,323	O
LEISURE	Cube	30	CUBE090-296	29' 6"	13' 1"	4' 11"	10,567	O
LEISURE	Cube	34	CUBE105-346	34' 6"	13' 1"	4' 11"	12,616	O
LEISURE	Cube	39	CUBE120-395	39' 5"	13' 1"	4' 11"	14,665	O
LEISURE	Eclipse	30	ECLIP091-300	30' 0"	14' 9"	6' 1"	8,624	O
LEISURE	Eclipse	35	ECLIP107-350	35' 0"	14' 9"	6' 4"	11,593	O
LEISURE	Eclipse	40	ECLIP122-400	40' 0"	15' 8"	6' 8"	15,045	O
LEISURE	Elegance	20	ELEGA060-198	19' 8"	11' 6"	5' 6"	5,361	O
LEISURE	Elegance	23	ELEGA070-230	23' 0"	12' 6"	5' 7"	7,113	O
LEISURE	Elegance	26	ELEGA080-263	26' 3"	14' 6"	5' 9"	10,012	O
LEISURE	Elegance	30	ELEGA090-296	29' 7"	14' 6"	5' 9"	11,282	O
LEISURE	Elegance	33	ELEGA101-330	33' 0"	14' 6"	6' 0"	12,837	O
LEISURE	Elegance	39	ELEGA120-394	39' 4"	14' 6"	6' 2"	15,301	O
LEISURE	Esprit	19	ESPRI057-188	18' 8"	7' 4"	4' 5"	3,064	O
LEISURE	Fiji Plunge	10	FIJIP029-096	9' 6"	6' 11"	4' 5"	1,219	O
LEISURE	Harmony	16	HARMO050-165	16' 5"	9' 6"	5' 2"	3,574	O
LEISURE	Harmony	20	HARMO060-198	19' 8"	9' 6"	5' 4"	4,559	O
LEISURE	Harmony	23	HARMO070-230	23' 0"	9' 6"	5' 7"	5,397	O
LEISURE	Harmony	26	HARMO080-263	26' 3"	9' 6"	5' 9"	5,906	O
LEISURE	Horizon	23	HORIZ070-230	23' 0"	15' 9"	4' 0"	4,038	O
LEISURE	Icon	40	ICON122-400	40' 0"	15' 5"	8' 0"	20,113	I
LEISURE	Infinity	40	INFIN122-400	40' 0"	15' 6"	8' 0"	22,009	I
LEISURE	Limitless	26	LIMIT079-260	26' 0"	12' 6"	5' 7"	7,173	O
LEISURE	Limitless	30	LIMIT091-300	30' 0"	12' 6"	6' 0"	9,003	O
LEISURE	Mediterranean	40	MEDIT122-400	40' 0"	16' 0"	8' 0"	20,862	I
LEISURE	Moroccan	27	MOROC082-270	26' 11"	13' 6"	5' 5"	8,972	O
LEISURE	Moroccan	31	MOROC094-310	30' 10"	14' 6"	5' 8"	11,854	O
LEISURE	Moroccan	34	MOROC104-342	34' 2"	14' 6"	5' 11"	13,658	O
LEISURE	Moroccan	38	MOROC117-385	38' 5"	14' 6"	6' 2"	15,777	O
LEISURE	Palladium Plunge	16	PALLA049-160	16' 0"	8' 0"	5' 0"	2,742	O
LEISURE	Palladium Plunge	20	PALLA061-200	20' 0"	8' 0"	5' 0"	3,889	O
LEISURE	Pinnacle	30	PARAD049-160	30' 0"	15' 5"	6' 0"	11,267	O
LEISURE	Pinnacle	35	PARAD061-200	35' 0"	15' 5"	6' 6"	14,356	O
LEISURE	Pinnacle	40	PARAD070-230	40' 0"	15' 5"	7' 0"	17,890	O
LEISURE	Precision	23	PARAD079-260	23' 4"	10' 8"	4' 11"	6,350	O

LEISURE	Precision	27	PINNA091-300	26' 4"	10' 8"	4' 11"	7,052	O
LEISURE	Reflection	23	PINNA107-350	23' 0"	12' 6"	5' 5"	7,418	O
LEISURE	Reflection	26	PINNA122-400	26' 3"	12' 6"	5' 8"	8,744	O
LEISURE	Reflection	30	PRECIO49-160	29' 7"	12' 6"	5' 10"	10,114	O
LEISURE	Reflection	33	PRECIO61-200	32' 11"	12' 6"	6' 1"	11,589	O
LEISURE	Reflection including Splash Deck	28	REFSD085-280	27' 11"	12' 4"	5' 5"	8,363	O
LEISURE	Reflection including Splash Deck	31	REFSD095-312	31' 1"	12' 4"	5' 8"	8,535	O
LEISURE	Reflection plus Cover Box	26	REFLC079-260	26' 0"	13' 4"	5' 5"	8,068	O
LEISURE	Reflection plus Cover Box	30	REFLC089-293	29' 3"	13' 4"	5' 8"	9,410	O
LEISURE	Reflection plus Cover Box	33	REFLC099-327	32' 7"	13' 4"	5' 10"	10,793	O
LEISURE	Riviera	27	RIVIE081-267	26' 7"	12' 4"	5' 5"	6,665	O
LEISURE	Riviera	30	RIVIE092-303	30' 3"	13' 11"	5' 7"	9,255	O
LEISURE	Riviera	34	RIVIE104-341	34' 1"	14' 6"	5' 10"	11,363	O
LEISURE	Roman	23	ROMAN070-231	23' 1"	11' 6"	5' 1"	5,586	O
LEISURE	Roman	28	ROMAN086-283	28' 3"	11' 6"	5' 6"	7,332	O
LEISURE	Summit	30	SUMMI091-300	30' 0"	14' 0"	6' 0"	10,106	O
LEISURE	Summit	35	SUMMI107-350	35' 0"	14' 0"	6' 6"	12,913	O
LEISURE	Supreme	30	SUPRE091-300	30' 0"	15' 5"	5' 11"	13,724	O
LEISURE	Supreme	35	SUPRE107-350	35' 0"	15' 5"	6' 3"	16,320	O
LEISURE	Supreme	40	SUPRE122-400	40' 0"	15' 5"	6' 7"	18,948	O
LEISURE	Tuscany	23	TUSCA071-233	23' 3"	12' 1"	5' 0"	5,408	O
LEISURE	Tuscany	29	TUSCA087-286	26' 6"	14' 1"	5' 8"	9,157	O
LEISURE	Ultimate	30	ULTIM091-300	30' 0"	15' 5"	6' 0"	11,346	O
LEISURE	Ultimate	35	ULTIM107-350	35' 0"	15' 5"	6' 6"	14,438	O
LEISURE	Ultimate	40	ULTIM122-400	40' 0"	15' 5"	7' 0"	17,690	O
LEISURE	Wave	30	WAVE091-300	30' 0"	15' 6"	5' 8"	11,254	O
LEISURE	Wave	35	WAVE107-350	35' 0"	15' 6"	6' 0"	14,070	O
LEISURE	Wave	40	WAVE122-400	40' 0"	15' 6"	6' 4"	17,039	O
LEISURE	Amalfi Spa	N/A	AMAL	6' 10"	3' 0"	2' 12"	470	O
LEISURE	Amalfi Spa with Spillover	N/A	AMALS	6' 10"	3' 0"	2' 12"	470	O
LEISURE	Calvi Spa - Round	N/A	CALV	8' 0"	8' 0"	2' 10"	583	O
LEISURE	Calvi Spa - Round with Spill Over	N/A	CALVS	8' 0"	8' 0"	2' 10"	583	O
LEISURE	Sorrento Spa - Square	N/A	SORR	7' 5"	7' 5"	3' 2"	567	O
LEISURE	Sorrento Spa - Square with Spill Over	N/A	SORRS	7' 5"	7' 5"	3' 2"	567	O
LEISURE	Opal Tanning Ledge Center Spillway	N/A	OPACS	10' 5"	7' 10"	1' 0"	425	O
LEISURE	Opal Tanning Ledge Split Spillway	N/A	OPASS	10' 5"	7' 10"	1' 0"	425	O
LEISURE	Quartz Tanning Ledge	N/A	QUATL	13' 11"	0' 11"	0' 11"	549	O

LEISURE	Topaz Tanning Ledge Center Spillway	N/A	TOPCS	10' 5"	6' 10"	1' 0"	456	O
LEISURE	Topaz Tanning Ledge Split Spillway	N/A	TOPSS	10' 5"	6' 10"	1' 0"	456	O

For **SI**: 1 foot = 304.8 mm, 1 inch = 25.4 mm, 1 gallon = 3.785 liters.

DIVISION: 13 00 00—SPECIAL CONSTRUCTION
Section: 13 11 16—Below-Grade Swimming Pools

REPORT HOLDER:

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

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