COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY / LAND DEVELOPMENT

LOMITA/LENNOX
24320 NARBONNE
LOMITA CA 90717
PHONE: (310) 534-3760 EXT:

# 1200

COMBINATION SWIMMING POOL PERMIT
CP 1200 0707260001

LEGAL ID:
TR: 12339 LT: 3 BL: 4

ASSESSOR INFORMATION NUMBER:
4070-008-003

TENANT:

OWNER: TEL. NO:
DELEON, CHRISTIAN (310) 808-5626-
14821 FREEMAN AVE
LAWNDALE, CA 90260

APPLICANT: TEL. NO:
MEROOK (562) 228-5882-
5767 E 2ND ST
LONG BEACH CA 90803

CONTRACTOR: TEL. NO:
SPLASH SPAS & POOLS INC (800) 500-6761-
1490 CASPIAN AVE LIC. NO
LONG BEACH, CA 90813 750334 C53

ARCHITECT OR ENGINEER: TEL. NO:
-
LIC. NO:

MAP NO: SEWER MAP BOOK: PAGE: FIRE ZONE: CMP:
4140 3

NO. OF FAMILIES: DWELLING UNITS: APT/COND: STAT CLASS:
NO 31

| AIR QUALITY: | SCHOOL WITHIN 1000 FEET | HAZARDOUS MATERIALS |
|---|---|---|
| NO | NO | NO |

| REQUIRED SET BACK | YARD: | HWY: | TOTAL SETBACK FROM PROP LINE: | EXIST WIDTH: |
|---|---|---|---|---|
| FRONT PL- | 20 | 0 | 20 | 60 |
| SIDE PL- | 5 | 0 | 5 | 0 |

POOL TYPE: RESIDENTIAL
SIZE: 336 SQ.FT CONST TYPE: VN

USE ZONE: R-1

VALUATION:
31,000

FEES PAID

| FEE DESCRIPTION: | QUANTITY: UOM: | AMOUNT: |
|---|---|---|
| 02 PERMIT ISSUANCE FEE | | 25.30 |
| 06 COMB POOL PERMIT | 31000.00 VAL | 1,001.70 |
| 08 STRONG MOTION RESID | 31000.00 VAL | 6.20 |
| 14 COMB POOL PLANCHECK | 31000.00 VAL | 851.44 |
| 16 POOL BARRIER - FENCE | | 84.00 |
| | TOTAL FEES | 1,968.64 |

9/25/07.
NOT READY FOR FINAL.

REPORT ID: DPR268 ROUTE TO: BS1200

BUILDING ADDRESS:
3132 152ND ST W
GARD CA 902494002
NEAREST CROSS STREET:
THOMAS PAGE: 733 GRID: F5 LOCALITY: GARDENA

| ISSUED ON: | PROCESSED BY: | EXPIRES ON: |
|---|---|---|
| 07/26/07 | SM | 01/22/08 |

| FINAL DATE | FINAL BY: | CODE: |
|---|---|---|
| 10/4/07 | | |

DESCRIPTION OF WORK
1 PIECE FIBERGLASS POOL SHELL INSTALLATION, CONCRETE DECK, & POOL EQUIPMENT.

SPECIAL CONDITIONS:
pool discharge form required

| APPROVALS | DATE | INSPECTOR SIGNATURE |
|---|---|---|
| SPA/POOL LOCATION | 9/5/07 | |
| HEATER LOCATION | SOLAR ~~NO~~ HEAT | |
| OVERHEAD CONDUCTOR CLEAR | 9-19-07 | |
| LIGHT CONDUIT | 9-5-07 | E. Smith |
| ELECTRICAL BONDING | 9-5-07 | E. Smith |
| FIRE DEPT HYDRANT APPROV | | |
| STEEL & FORMS | FIBERGLASS | pool |
| GAS LINE | N/A | |
| CONDUIT/ELECTRICAL | | |
| SEWER | | |
| ANTI-SYPHON VALVE | | |
| FENCING AND GATES | 9-19-07 | |
| GAS TEST | | |
| P-TRAP/BACKWASH RECEPTOR | | |
| SPA/POOL COVER | | |
| FINAL FIRE DEPT APPROVAL | | |
| FINAL ELECTRICAL | 10/3/07 | |

## LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B+C53 Lic. No. 750334

Contractor's Signature _____ Date 07-26-07

## OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I am exempt under Sec. _____ , B.& P.C. for this reason:

_____

_____

### [ Electrical, Plumbing & Sewer Permits Only ]

☐ I, as owner of the property, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

### [ All Other Permits ]

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

Owner Signature _____ Date _____

## WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier ENDURANCE

Policy Number WEN0021098-01

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Applicant Signature _____ Date 07-26-07

*WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.*

## LOBBYIST ORDINANCE CERTIFICATION

**[ Complete this section for permits in unincorporated Los Angeles County only ]**

This is to certify that I, as permit applicant, am familiar with the requirements of Los Angeles County Code Chapter 2.160 et seq., (relating to the Los Angeles County Lobbyist Ordinance) and that all persons acting on behalf of myself complied and will continue to comply therewith through the application process.

PAUL MEROOK _____

Applicant (Print Name) Applicant Signature

SPLASH SPAS + POOLS INC 07-26-07

Company Name (if employed by an entity/agency) Date

JOB ADDRESS 3132 W. 152ND ST

LOCALITY GARDENA 90249

## HAZARDOUS MATERIAL DECLARATION

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amount specified on the hazardous materials information guide?

Yes ☐ No ☑

Will the intended use of the building by the applicant or future building occupant require a permit for construction or modification from the South Coast Air Quality Management District (SCAQMD)? See permitting checklist for guidelines.

Yes ☐ No ☑

I have read the hazardous materials information guide and the SCAQMD permitting checklist, I understand my requirements under the Los Angeles County Code Title 2, Chapter 220 Sections 220.100 through 220.140 concerning hazardous material reporting and for obtaining a permit from the SCAQMD.

## ASBESTOS NOTIFICATION

☐ Notification letter sent to SCAQMD or EPA

☐ I declare that notification of asbestos removal is not applicable to addressed project.

## CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ.C.).

Lender's Name _____

Lender's Address _____

*I certify that I have read this application and state under the penalty of perjury that the above information is correct. I agree to comply with all City and County ordinances and State laws relating to building construction, and hereby authorize representatives of this County to enter upon the above-mentioned property for inspection purposes.*

**Applicant or Agent Signature** _____ **Date** 07-26-07

ATTACHMENT A

# BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES*

**Storm Water Pollution Control Requirements for Construction Activities**
**Minimum Water Quality Protection Requirements for All Development Construction Projects/Certification Statement**

***The following is intended as an attachment for construction and grading plans and represent the minimum standards of good housekeeping which must be implemented on all construction sites regardless of size. (Applies to all permits)***

- ☐ Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- ☐ Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- ☐ Fuels, oil, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- ☐ Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- ☐ Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- ☐ Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- ☐ Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- ☐ Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- ☐ Other_____

As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name PAUL MEROOK
(Owner or authorized agent of the owner)

Signature [signature] Date 07-26-07
(Owner or authorized agent of the owner)

*The above Best Management Practices are detailed in the California Storm Water Best Management Practices Handbook, January 2003.
www.cabmphandbooks.com

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

WILLIAM J. ROUSE
PRESIDENT

EFREN ABRATIQUE, P.E.
VICE-PRESIDENT

MARSHA L. BROWN
ILAN ISRAELY
JAVIER NUÑEZ

# CITY OF LOS ANGELES

CALIFORNIA

APR 16 2007

JAMES K. HAHN
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

ANDREW A. SALMAN, P.E.
GENERAL MANAGER

RAYMOND CHAN
EXECUTIVE OFFICER

EXPIRATION NOTICE
Renewal Application & Fee must be filed at least 60 days prior to expiration date. Late filing may result in expiration before Application can be processed.

Hawaiian Fiberglass Pools, Inc.
17031 Muskrat Avenue
Adelanto, CA 92301

Attn: Michelle Stewart
(760) 246-7665

RESEARCH REPORT: RR 25554
(CSI # 13150)

Expires: June 1, 2007

**GENERAL APPROVAL** - Renewal - Hawaiian Fiberglass Swimming Pools.

## DETAILS

Hawaiian Fiberglass Pools are manufactured in various sizes up to 16' x 42' and to depths as great as 6'-0". Pools are of one-piece fiberglass construction, roving fiberglass, hand laid over a mold and bonded with vinyl ester as well as polyester resins. The exposed surface is factory coated with an isophthalic gel a minimum of 30 mils in thickness. The completed pool has a minimum cured thickness of 1/4 inch. The pool shell is structurally constrained by a continuous concrete bond beam and is supported by a backfill of minimum 6-inch layer of compacted clean sand. The pool has a fiberglass coping approximately 6 inches wide around all sides which is partially encased in poured-in-place concrete slab. The narrow end of the pool is provided with curved steps and a seat. A main drain is built into the fiberglass pool at the deep end. A 2-foot square gravel sump is provided beneath the main drain base to collect any ground water or drainage from the sand bed on which the pool is installed. A 1 ½ inch-diameter PVC pipe is connected from the sump to equipment pad and is capped.

The main drain line and its connection to the pool shell is 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.



LADBS 6-5 (Rev. 9/04) AN EQUAL EMPLOYMENT OPPORTUNITY AFFIRMATIVE

Hawaiian Fiberglass Pools, Inc.
Re: Hawaiian Fiberglass Swimming Pools

8. During installation, pool protection fences and gates shall be in place and operable when the depth of water exceeds 18".

**DISCUSSION**

The pool was load tested and performed satisfactorily. The pool, however, should be filled with water at all times to prevent deflections in the pool walls.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

YEUAN CHOU, Chief
Engineering Research Section
2319 Dorris Place
Los Angeles, CA 90031
(213) 485-2376

YC:olcm
RR25554/wp8.0
R04/13/05
8A/104.2.6

6-1-07

City of Los Angeles
DEPARTMENT OF BUILDING AND SAFETY

# APPLICATION FOR RENEWAL AND CLERICAL MODIFICATION OF GENERAL APPROVAL

(Under Article 1 of Chapter 9 of the Municipal Code)

RESEARCH REPORT NO. 25554

**INSTRUCTIONS**

A. Address all communications to Engineering Research Section, Department of Building and Safety, 2319 Dorris Place, Los Angeles, CA 90031-1083. Phone (213) 485-2376.
B. Place an X in the fee box to indicate intended purpose of the application.
C. A check or money order for the amount shown in the fee schedule shall be submitted with this application. Check should be made payable to the Department of Building and Safety.
D. Please print or type form. Applicants Signature block must bear original signature.
E. Renewal fees and complete applications are due in Department not less than 60 days prior to the expiration date.

CSI #

**1a. General Approval - City of Los Angeles ONLY (Research Report)**

☒ Fee for Renewal[1] (two year) $1950*

☐ Fee for Clerical Modification $185*

[1] The Department may approve one year renewals for General Approval of Research Reports, if the applicant makes such a request in writing and submit evidence of the need for a one year renewal. The fee for a one year renewal shall be $1300 for General Approval of Research Reports.

* See also Block 7 directly above applicants signature space

**1b. General Approval based on model code agency evaluation report.**

☐ Fee for Reevaluation[1] of Fire-Safety or Life-Safety or Structural Products (two year) $600*

☐ Fee for Clerical Modification of Fire-Safety or Life-Safety or Structural Products $185*

[1] The Department may approve one year reevaluations for General Approval of Fire-or Life-Safety or Structural Product Evaluation Reports, if the applicant makes such a request in writing and submit sufficient evidence of the need for one year reevaluation. The fee for a one year reevaluation shall be $400 for General approval of Fire- or Life-Safety Product Evaluation Reports.

* See also Block 7 directly above applicants signature space

**2. Petitioning Organization Name and Mailing Address**

Hawaiian Fiberglass Pools
17031 Muskrat Ave
Adelanto CA 92301

Attention: Michelle Stewart
(Name of section or individual to receive general approval correspondence)

Telephone (Area Code & No.) 760 246-7665

This is a new - ☐ Petitioner ☐ Address ☐ Telephone No. ☐ Contact Person

2a. Manufacturer's Name and Mailing Address (if other than petitioner)

3. Local Representative (if other than petitioner)

4. Trade Name of Products (if applicable) Hawaiian Fiberglass Pools

5. Additional items or uses to be included in the renewed Research Report

6. Does any information in Block 2, 2a, 4 or 5 differ from the expiring Research Report? (If "yes", see back.) ☐ Yes ☒ No

7. I here[redacted] for Department General Approval processing time in excess of 3 hours for renewals, 2 hours for reevaluations, and clerical 1 hour for modificati[redacted]

8. Appli[redacted]

HAWAIIAN FIBERGLASS POOLS INC
OFFICE ACCOUNT
17031 MUSKRAT AVE
ADELANTO, CA 92301

1316

Date 5-4-07

90-3770/1222
04

Pay to the Order of City of Los Angeles Dept BAG Safety $ 1950.00

Dollars

Desert Community Bank
P.O. BOX 1346 VICTORVILLE, CA 92393-1346

For 25554

Joyce Miller

DEPAR[redacted]
Filing Fee
Verified
Date

7005 3110 0001 5530 8625

# OFFICIAL USE

| | | | |
|---|---|---|---|
| Postage | $ | $0.39 | 0301 |
| Certified Fee | | $2.40 | 03 |
| Return Receipt Fee (Endorsement Required) | | $1.85 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | | $0.00 | |
| Total Postage & Fees | $ | $4.64 | 05/04/2007 |

Sent To
Engineering Research Sect
Street, Apt. No.; or PO Box No. Dept. of Building & Safety
2319 Dorris Pl.
City, State, ZIP+4
LA, CA 90031-1083

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Engineering Research Sect
Dept. of Building & Safety
2319 Dorris Pl.
Los Angeles, CA 90031-1083

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name) Date of Delivery
PATVLE

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

MAY 07 2007
LOS ANGELES, CA 90031

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article N... (Transfer ... label)

7005 3110 0001 5530 8625

PS Form 3... ...ruary 2004 Domestic Return Receipt

102595-02-M-1540

ES REPORT™

ER-3753

Reissued August 1, 2001

ICBO Evaluation Service, Inc. • 5360 Workman Mill Road, Whittier, California 90601 • www.icboes.org

Filing Category: SWIMMING POOLS AND SPAS (266)

HAWAIIAN FIBERGLASS POOLS
HAWAIIAN FIBERGLASS POOLS, INC.
17031 MUSKRAT AVENUE
ADELANTO, CALIFORNIA 92301

ALOHA FIBERGLASS POOLS, LLC (TX LLC)
5205 N I-27
PLAINVIEW, TEXAS 79072

HAWAIIAN FIBERGLASS POOLS, INC. (TEXAS CORP.)
5205 N I-27
PLAINVIEW, TEXAS 79072

## 1.0 SUBJECT

Hawaiian Fiberglass Pools.

## 2.0 DESCRIPTION

### 2.1 General:

The swimming pools are of one-piece fiberglass construction, shop formed over a mold. The materials are mat and woven roving fiberglass, hand laid over a mold and bonded with vinyl ester as well as polyester resins. The exposed surface is factory coated with an isophthalic gel a minimum of 30 mils in thickness. The completed pool has a minimum cured thickness of $^1/_4$ inch. The cured fiberglass has an average tensile strength of 18,000 psi and a modulus of rupture of 36,000 psi. For sizes and capacities of pools, see Table 1. The pool shell is structurally constrained by a continuous concrete bond beam and is supported by a backfill of minimum 6-inch layer of compacted clean sand. The pool has a fiberglass coping approximately 6 inches wide around all sides which is partially encased in poured-in-place concrete slab. For further details, refer to Figure 1. The narrow end of the pool is provided with curved steps and a seat. A main drain is built into the fiberglass pool at the deep end. A 2-foot-square gravel sump is provided beneath the main drain base to collect any groundwater or drainage from the sand bed on which the pool is installed. A $1^1/_2$-inch-diameter PVC pipe is connected from the sump to equipment pad and is capped.

All plumbing and electrical work must comply with the codes in effect at the construction site. The pool design requires it to remain full of water at all times. A permanent sign is to be attached to the pumping equipment and is to read as follows:

> Notice: Pool is designed to remain full of water at all times. The pool shell may be damaged if water level is allowed to drop below the pool inlet. When appreciable drawdown is noticed or if it becomes necessary to drain the pool, contact Hawaiian Fiberglass Pools, Inc., or its agents for instructions.

A pressure-sensitive label is installed adjacent to the above sign by the manufacturing licensee displaying his name, address and telephone number.

### 2.2 Installation:

The pools may be installed without a soil investigation by a qualified engineer, provided none of the following conditions is encountered at the site and subject to approval by the building official:

1. The existence of groundwater within the depth of the pool excavation.
2. The existence of an uncompacted fill in contact with any portion of the pool.
3. The existence of any expansive or adobe-type soils at or within the confines of the pool area.
4. The existence of any soil types whose angle of repose will not support the walls of excavation at the desired slopes.
5. The location of the proposed pool excavation is such as to have a tendency to endanger adjacent structures.

If any of the above conditions is encountered, the excavation for the pool shall cease immediately until the specific conditions at the site have been reviewed and recommendations have been made by a qualified engineer. The engineer's report of this review and recommendation is to be submitted to the building official having jurisdiction over the construction site, and his approval must be obtained prior to the continuance of the work. The excavation of the pool consists of removing the existing soil from the proposed area with an over-excavation of a minimum 6 inches on all sides.

The required drains and plumbing work are installed and a contoured layer of clean sand is placed at the lower areas of the pool up to a point at which "sloughing" would occur. The pool is then placed on this sand bed and carefully aligned and leveled to preclude any buckling or irregularities in the fiberglass. Water is then introduced into the pool up to a level approximately equal to the sand level. Backfilling with sand is carefully continued upward, maintaining an approximately uniform height around the four sides of the pool at all times. The pool is simultaneously filled with water as the backfilling progresses, maintaining approximately equal levels of water in the pool and the backfill sand layer. The backfill sand is consolidated by flooding with water as the work progresses. The sand backfill is stopped 6 inches below the bottom of the coping on all sides of the pool. The outside lip of the fiberglass pool coping is embedded in a concrete walkway (bond beam) installed around the entire pool. See Figure 1 for details. The concrete shall have a minimum compressive strength of 2,000 psi at 28 days.

The pools are to be installed only by factory-trained and approved agents or franchised installers in accordance with the requirements of this report.

### 2.3 Identification:

Fiberglass one-piece swimming pools are identified by recessed lettering displaying the company name, serial number and date of manufacture.

ES REPORTS™ are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICBO Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

Copyright © 2001

3.0 EVIDENCE SUBMITTED

An engineering report, pool plans, test data for the fiberglass material and a quality control manual have been submitted.

4.0 FINDINGS

That the Hawaiian Fiberglass Pools are alternate methods of construction for swimming pools to these specified in the 1997 *Uniform Building Code*™, subject to the following conditions:

4.1 The construction and pool installation comply with this report and the manufacturer's instructions.

4.2 Electrical and plumbing installation comply w the respective codes in effect at the construct site.

4.3 The pools are installed by a factory-trained and censed installer or an agent approved by Hawai Fiberglass Pools, Inc.

4.4 Clearances from slopes must be as set forth in S tion 1806.5.4 of the code.

This report is subject to re-examination in two years.

TABLE 1—POOL MODEL, DIMENSIONS AND CAPACITY

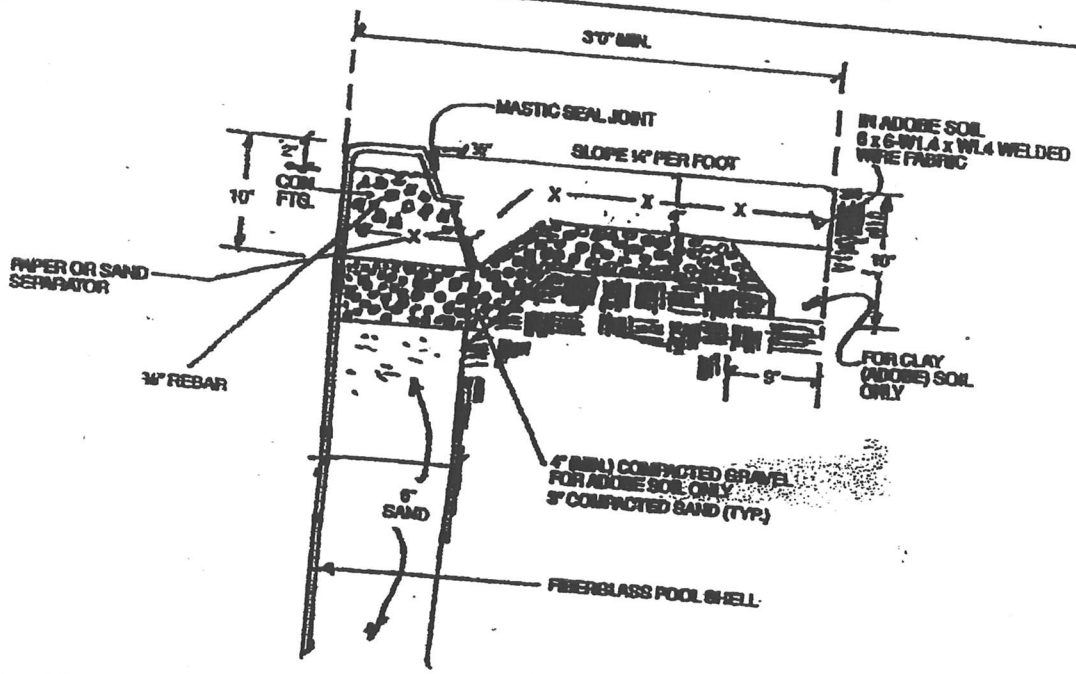
| MODEL # | MODEL NAME | APPROXIMATE MAXIMUM OUTSIDE DIMENSIONS (feet & inches) | | | | APPROXIMATE CAPACITY (gallons) |
|---|---|---|---|---|---|---|
| | | WIDTH | LENGTH | SHALLOW | DEEP | |
| 0707A | 7' Spa | 7–0 | 7–0 | 2–10 | 2–10 | 47 |
| 0707B | 7'–6" Spa | 7–6 | 7–6 | 2–8 | 3–6 | 49 |
| 0715 | | 7–7 | 14–8 | 1–6 | 1–10 | 83 |
| 0808 | 8' Spa | 8–0 | 9–6 | 3–6 | 3–6 | 730 |
| 0811A | Breeze | 8–6 | 11–0 | 3–8 | 3–6 | 1,000 |
| 0811B | | 8–0 | 11–3 | 3–6 | 3–6 | 1,200 |
| 0815 | Kihei | 7–6 | 14–9 | 4–0 | 4–0 | 2,200 |
| 0820 | Oahu | 8–6 | 20–0 | 5–0 | 5–0 | 3,900 |
| 0836 | La Jolla | 8–0 | 36–0 | 4–0 | 4–0 | 5,500 |
| 0909 | 9' Spa | 8–10 | 8–10 | 3–6 | 3–6 | 800 |
| 1018 | Tropical | 10–0 | 18–0 | 4–0 | 4–0 | 2,900 |
| 1116 | Pond | 11–0 | 16–0 | 4–0 | 4–0 | 2,800 |
| 1118 | Sand | 11–0 | 18–0 | 3–8 | 4–6 | 4,050 |
| 1120A | Caribbean | 11–0 | 20–0 | 3–8 | 5–0 | 4,100 |
| 1120B | Lake | 11–0 | 20–0 | 4–0 | 4–0 | 3,950 |
| 1123 | Neptune | 11–0 | 23–0 | 3–6 | 5–6 | 6,000 |
| 1125 | Palm | 11–0 | 25–0 | 4–0 | 4–0 | 7,400 |
| 1127 | Roman | 11–0 | 27–0 | 3–0 | 5–6 | 8,800 |
| 1141 | Mahana | 11–0 | 41–0 | 4–0 | 4–0 | 13,500 |
| 1221 | La Costa | 12–0 | 21–0 | 4–0 | 4–0 | 5,000 |
| 1222 | Key West | 12–0 | 22–0 | 4–0 | 4–0 | 4,050 |
| 1224 | Islander | 12–0 | 24–0 | 3–6 | 5–6 | 7,800 |
| 1226 | Catalina II | 12–0 | 26–0 | 3–0 | 5–0 | 8,500 |
| 1227A | Maui | 12–0 | 27–0 | 3–6 | 5–6 | 9,700 |
| 1227B | | 12–0 | 27–0 | 3–6 | 5–6 | 9,600 |
| 1228A | Aloha II | 12–0 | 28–0 | 3–6 | 5–6 | 11,350 |
| 1228K | Luau | 12–0 | 28–0 | 4–0 | 6–0 | 9,500 |
| 1329 | Waikiki | 13–0 | 29–0 | 3–6 | 5–6 | 10,500 |
| 1333 | Honolulu | 13–0 | 33–0 | 3–6 | 6–0 | 14,000 |
| 1428 | Ojai | 14–0 | 28–0 | 4–0 | 6–0 | 13,500 |
| 1430 | Newport | 14–0 | 30–0 | 3–8 | 5–6 | 11,500 |
| 1431 | | 14–0 | 31–0 | 3–8 | 5–0 | 7,900 |
| 1432A | Atlantis | 14–0 | 32–0 | 3–6 | 6–0 | 13,500 |
| 1432B | Avalon | 14–0 | 32–0 | 3–6 | 8–0 | 17,300 |
| 1432C | Catalina I | 14–0 | 32–0 | 3–6 | 6–0 | 15,000 |
| 1432D | Newport I | 14–0 | 32–0 | 3–6 | 8–0 | 17,200 |
| 1432E | Newport II | 14–0 | 32–0 | 3–6 | 5–6 | 15,900 |
| 1432F | Savana | 14–0 | 32–0 | 3–6 | 5–6 | 12,000 |
| 1532 | | 15–0 | 32–0 | 3–6 | 6–0 | 14,900 |

(continued)

TABLE 1—POOL MODEL, DIMENSIONS AND CAPACITY—(continued)

| MODEL # | MODEL NAME | APPROXIMATE MAXIMUM OUTSIDE DIMENSIONS (feet & inches) | | | | APPROXIMATE CAPACITY (gallons) |
|---|---|---|---|---|---|---|
| | | WIDTH | LENGTH | SHALLOW | DEEP | |
| 1533 | Palos Verdes | 15–0 | 33–0 | 3–6 | 7–0 | 18,60 |
| 1534A | Bellagio | 15–0 | 34–0 | 3–6 | 6–0 | 15,40 |
| 1534B | Aloha I | 15–0 | 34–0 | 3–6 | 6–0 | 14,90 |
| 1537 | Diamond Head | 15–0 | 37–0 | 3–0 | 8–0 | 18,00 |
| 1539 | Oasis | 16–0 | 40–0 | 3–6 | 8–0 | 21,40 |
| 1632 | Venice | 16–0 | 32–0 | 4–0 | 8–6 | 15,900 |
| 1634A | Coronado | 16–0 | 34–0 | 3–6 | 6–6 | 14,800 |
| 1634B | Kahana | 16–0 | 34–0 | 3–6 | 8–6 | 14,800 |
| 1634C | Laguna | 16–0 | 34–0 | 3–6 | 7–0 | 17,000 |
| 1634D | Capistrano | 18–0 | 34–0 | 3–6 | 8–0 | 16,500 |
| 1635 | Isabella | 16–0 | 35–0 | 3–6 | 6–0 | 15,100 |
| 1640 | Kona | 16–0 | 40–0 | 3–6 | 8–0 | 22,700 |
| 1641 | Mirage | 16–0 | 41–0 | 3–6 | 6–6 | 20,900 |
| 1642 | Mira Largo | 16–0 | 42–0 | 3–6 | 8–0 | 24,500 |
| 1745A | | 17–0 | 45–0 | 3–6 | 5–6 | 19,500 |
| 1745B | | 17–0 | 45–0 | 3–6 | 9–6 | 26,800 |

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




ST: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE 1—DESIGN FOR STANDARD DECK (WALKWAY)

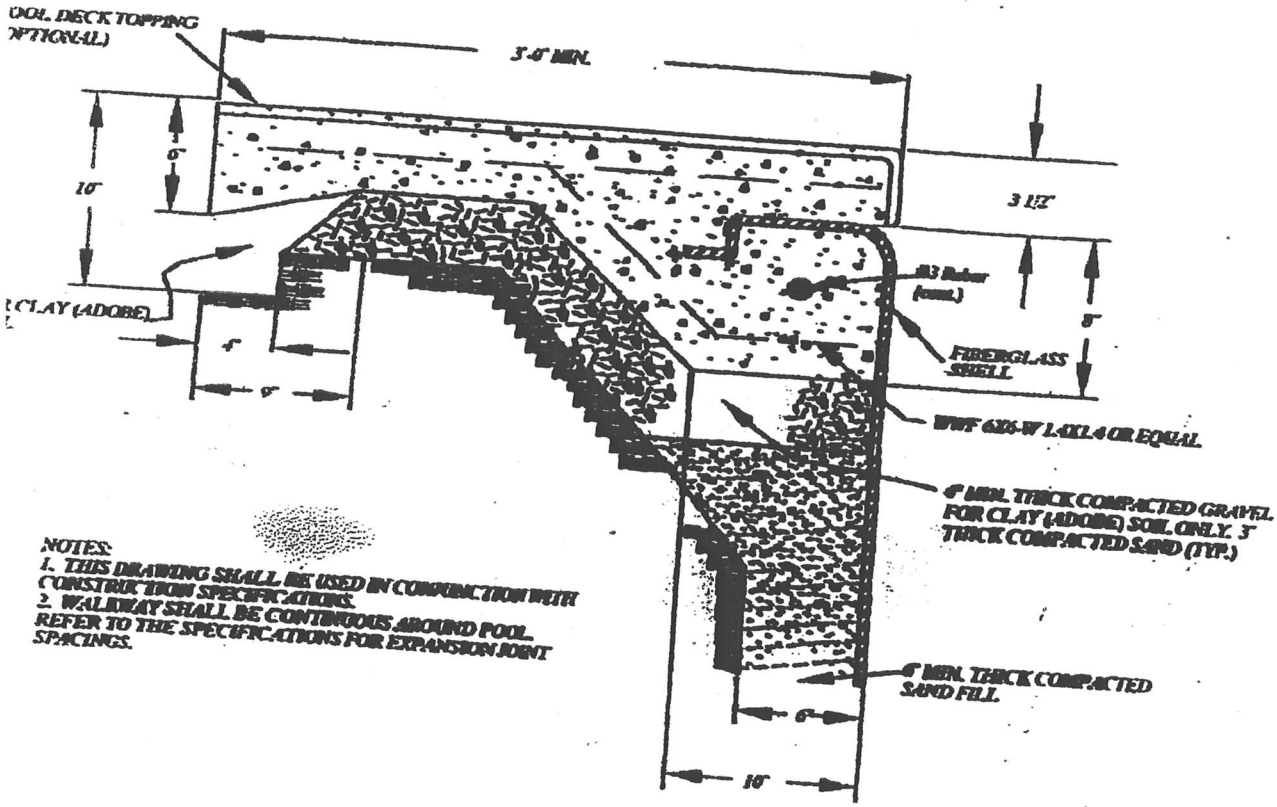



FIGURE 2—CANTILEVERED DECK OPTION

ICC EVALUATION SERVICE, INC.
Evaluate ■ Inform ■ Protect

Los Angeles Business/Regional Office ■ 5360 Workman Mill Road ■ Whittier, CA 90601
(562) 699-0543 phone ■ (562) 695-4694 fax

May 20, 2005

Michelle Stewart
National Sales Director
Hawaiian Fiberglass Pools, Inc.
17031 Muskrat Avenue
Adelanto, California 92301-2259

ER-3753
Please reference this number
on all correspondence

Dear Ms. Stewart:

In reference to a recent request, the above-referenced evaluation report dated August 1, 2001, continues to be in good standing under the 1997 *Uniform Building Code*™ (UBC). Reissuance of the evaluation report continues, pending acceptance of technical revisions.

As long as ER-3753 remains on the ICC-ES web site, it remains a valid report.

If you have any questions, please contact me at (562) 699-0543, extension 3275.

Yours very truly,

Michael Jones
Evaluation Specialist

MJ/ll

Hawaiian
FIBERGLASS POOLS, INC.
QUALITY ONE-PIECE FIBERGLASS SWIMMING POOLS

www.hawaiianfiberglasspools.com

To Whom It May Concern:

Hawaiian Fiberglass Pools holds a 12 year old current and valid ICBO report #ER-3753. As you are aware, ICBO is undergoing conversion to ICC, and are currently working toward creating and implementing new criteria for fiberglass pools. As you are also aware, these reports are extended for a two year period. ICBO/ICC reports are only printed at time of re-issuance. ICBO/ICC reports are not reprinted during the interim period, however all models we manufacture are covered.

The Serenade, and other models were introduced after the most current ICBO report was issued. Although not listed on this report, they are manufactured and installed in *exactly* the same way as the models included in the last printing. The report is for all models we manufacture.

Building departments all over the country recognize this issue, and issue permits for the Serenade model, as well as any other new models which may be introduced during the printed period.

We appreciate your concern for the integrity of the pool industry. If I can provide you with any further clarification, please don't hesitate to contact me.

Sincerely,

Michelle Stewart
National Sales Director

17031 Muskrat Avenue • Adelanto, California 92301 (760) 246-7665 • (800) 786-2318 • Fax (760) 246-8022

# William H. Weaver, P.E.
## Consulting Engineer
**5797 N. Bogart Lane**
**Boise, Idaho 83714**
**Ph/fax (208) 853-0699**


April 20, 2007

Splash Spas & Pools
1490 Caspian Ave
Long Beach, CA 90813-2746

RE: Engineer's Reinforced Concrete Pool Deck requirements for all Hawaiian Fiberglass Pools up to 6 feet in depth that are equal to or smaller in size than the Model 1228K "Luau".

Dear Sir:

The following named Hawaiian Fiberglass pool models have reinforced concrete deck design loads that are either equal to or less than those on the Model 1228K "Luau" per attached design calculations dated June 15, 2005, therefore the deck design is structurally adequate to be used for these pools in expansive soils conditions:

| | | |
|---|---|---|
| **1228A "Aloha II"** | **1227B "Alpine"** | **1227A "Maui** |
| **1224K "Islander"** | **1222 "Key West"** | **1221 "La Costa"** |
| **1127 "Roman"** | **1125 "Palm"** | **1123 "Neptune"** |
| **1120B "Lake"** | **1120A "Caribbean"** | **1118 "Sand"** |
| **1018 "Tropical"** | **0909 "Tranquility"** | **0818 M "Marina"** |
| **0815 "Kihei"** | **0814T "Tide Pool"** | **0811A "Breeze"** |
| **0808 "Everglades"** | **0707B "Moonlight"** | **0707A "Bali"** |

Said design calculations shall also apply to the reinforced pool deck for the above referenced pools and the deck for said pools shall be constructed as shown on the plans and meet the following requirements:

1. Have a minimum width of four feet and a minimum thickness of four inches.
2. Reinforcing steel shall be continuous around the perimeter of the pool, and throughout the deck as shown on the plans, with all reinforcing placed to provide a minimum coverage of 1 ½".
3. The continuous bond beam rebar shall be placed 3" from the pool shell.
4. In expansive soils the continuous bond beam rebar, next to the pool shell, shall be increased in size from a #3 bar to (2) #3 bars, (See attached design calculations) and the pool deck shall be reinforced with a deck edge beam with a continuous #3 rebar around the perimeter of the deck.
5. All other construction is to be in accordance with the plans, local building requirements, the manufacturers installation requirements and ICBO report 3753.

A copy of this letter should be attached to the construction plans.

Sincerely:

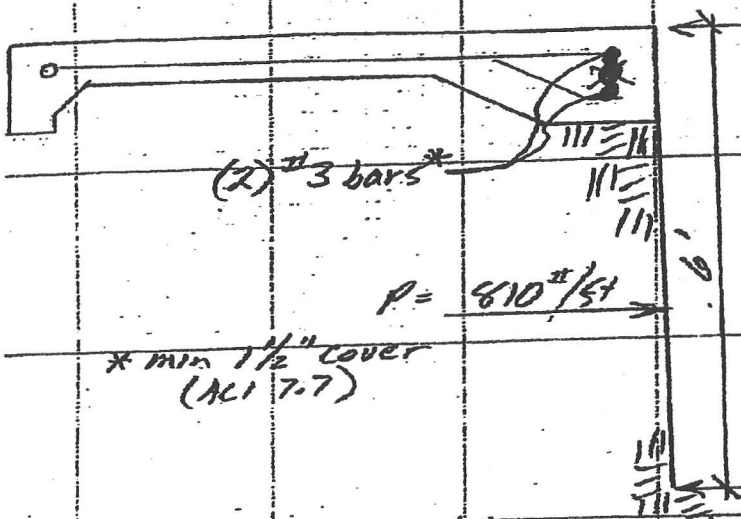
REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C 27370
EXP. MARCH 31, 2009
4/20/07
CIVIL
STATE OF CALIFORNIA

William H. Weaver
R.C.E. 27370

Case I

**WILLIAM H. WEAVER, P.E.**
**Consulting Engineer**
**5797 N. BOGART LANE**
**BOISE, IDAHO 83714**
**853-0699**

PROJECT: Hawaiian Fiberglass Pools
Expansive Soil Deck Design Calc's
JOB #: 050611
BY: [signature] DATE: 6/14/05




* min 1½" cover (ACI 7.7)

## Luau Model 1228K

$P = \frac{1}{2}(45''/ft^3)(6')(6') = 810\#/ft$ 7[illegible]

$R_1 = \frac{1}{3}P = \frac{1}{3}(810) = 270\#/ft$ [illegible]

## Review Slab as a Horizontal Beam

Length of pool = 27'
Width of beam = 4"
Depth of beam = 4'

$\rho_p = .85(.85)\left(\frac{2.5}{60}\right)\left(\frac{87}{147}\right) = .0178$

$\rho_{min} = \frac{200}{60{,}000} = .0033$

For (2) #3 bars = .22

$a = \frac{.22(60)}{.85(2.5)(4)} = 1.55$

$M_n = A_s f_y(d - a/2) = .22(60)(45 - 1.55/2) = 583.8$ in-kips

$\phi M_n = .9 M_n = .9(583.8) = 525.4$ in-kips

$\rho = \frac{A_s}{bd} = \frac{.22}{4(12)} = .0046 > .0033$

$M_u = \frac{wl^2}{8} = \frac{1.7(270\#/ft)(27)^2}{8} = 41{,}826.4\#\text{-}ft$
$= 501.9$ in-kips $< 525.4$

## Shear Capacity

$V_u = \phi V_u \leq \phi V_c + \phi A_v f_y d$

$V_u = 1.7(270\#/ft)(27/2) = 6{,}196.5\# = 6.20$

$V_u = \frac{1}{2}\phi(2)\sqrt{f'c}\, b_w d$

$= \frac{1}{2}(.85)(2)\sqrt{2500}(4)(45'') = 7650\#$
$= 7.65k > 6.2$

* Use min 4" thick by 48" wide w/(2) #3 bars continuous around edge of pool deck.

REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C27370
EXP. MARCH 31, 2007
6/15/05
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C 27370
EXP. MARCH 31, 2009
4/20/07
CIVIL
STATE OF CALIFORNIA

# William H. Weaver, P.E.
## Consulting Engineer
**5797 N. Bogart Lane**
**Boise, Idaho 83714**
**Ph/fax (208) 853-0699**


April 20, 2007

Splash Spas & Pools
1490 Caspian Ave
Long Beach, CA 90813-2746

RE: Engineer's Reinforced Concrete Pool Deck requirements for all Hawaiian Fiberglass Pools up to 5 feet 6 inches in depth that are equal to or smaller in size than the Model 1432A "Atlantis".

Dear Sir:

The following named Hawaiian Fiberglass pool models have reinforced concrete deck design loads that are either equal to or less than those on the Model 1432A "Atlantis" per attached design calculations dated June 15, 2005, therefore the deck design is structurally adequate to be used for these pools in expansive soils conditions:

1632K "Montego" 1432G "Georgian II" 1430 "Newport" 1329 "Waikiki"

Said design calculations shall also apply to the reinforced pool deck for the above referenced pools and the deck for said pools shall be constructed as shown on the plans and meet the following requirements:

1. Have a minimum width of four feet and a minimum thickness of four inches.
2. Reinforcing steel shall be continuous around the perimeter of the pool, and throughout the deck as shown on the plans, with all reinforcing placed to provide a minimum coverage of 1 ½".
3. The continuous bond beam rebar shall be placed 3" from the pool shell.
4. In expansive soils the continuous bond beam rebar, next to the pool shell, shall be increased in size from a #3 bar to a #4 bar, (See attached design calculations) and the pool deck shall be reinforced with #3 rebar and deck edge beam, as per plans, with two (2) continuous #3 rebars around the perimeter of the deck.
5. All other construction is to be in accordance with the plans, local building requirements, the manufacturers installation requirements and ICBO report 3753.

A copy of this letter should be attached to the construction plans.

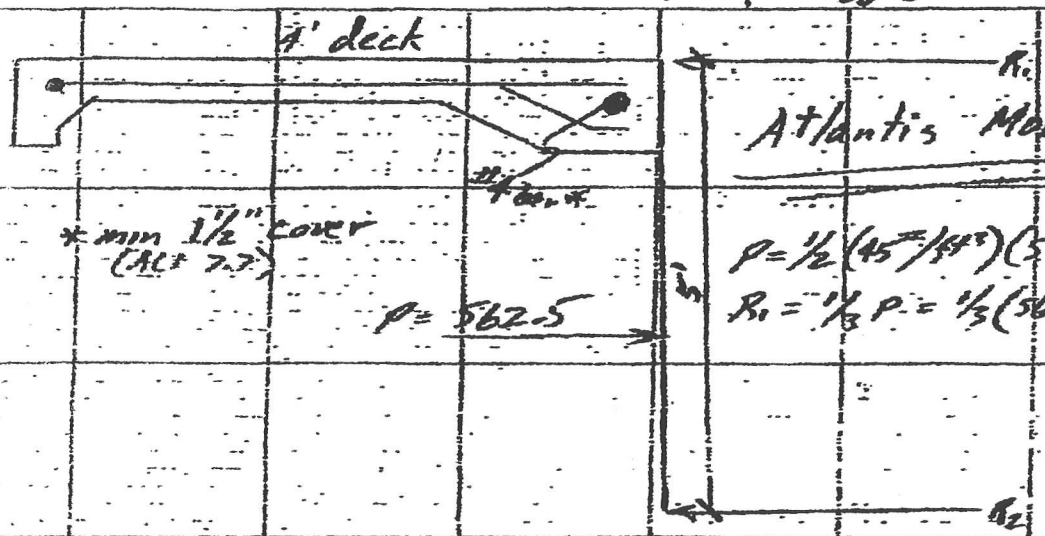
Sincerely:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C 27370
EXP. MARCH 31, 2009
4/20/07
CIVIL
STATE OF CALIFORNIA

William H. Weaver
R.C.E. 27370

**WILLIAM H. WEAVER, P.E.**
**Consulting Engineer**
**5797 N. BOGART LANE**
**BOISE, IDAHO 83714**
**853-0699**

CLIENT: Splash Pools & Spas
PROJECT: Hawaiian Fiberglass Pools
Expansive Soil Deck Design Calc's
JOB #: 050611
BY: [illegible] DATE: 6/14/05




Atlantis Model 1432A

$P = \frac{1}{2}(45^{\#}/ft^3)(5')(5') = 562.5^{\#}/ft$

$R_1 = \frac{1}{3}P = \frac{1}{3}(562.5) = 187^{\#}/ft$

Review Slab as a Horizontal Beam

Length of pool = 31'
Width of beam = 4"
Depth of beam = 4'

$\rho_p = .85(.85)\left(\frac{2.5}{60}\right)\left(\frac{87}{147}\right) = .0178$

$\rho_{min} = \frac{200}{60{,}000} = .0033$

For #4 bar $A_s = .20$

$a = \frac{.2(60)}{.85(2.5)(4)} = 1.4$

$M_n = A_s f_y (d - a/2) = .2(60)(45 - 1.4/2) = 531.6$ in-kips

$\phi M_n = .9 M_n = .9(531.6) = 478.4$ in-kips

$\rho = \frac{A_s}{bd} = \frac{.2}{4(12)} = .004 > .0033$

$M_u = \frac{wl^2}{8} = \frac{1.7(187.5^{\#}/ft)(31)^2}{8} = 38{,}289.8^{\#}ft$

$= 459.4$ in-kips < [illegible]

Shear Capacity

$V_u = \phi V_u \le \phi V_c + \phi A_v f_y d$

$V_u = 1.7(187^{\#}/ft)(31/2) = 4{,}927^{\#} = 4.93\,K$

$V_u = \frac{1}{2}\phi(2)\sqrt{f'c}\, b_w d)$

$= \frac{1}{2}(.85)(2)\sqrt{2500}(4)(45") = 7{,}650^{\#} = 7.65\,K > 4.93\,K$

REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C 27370
EXP. MARCH 31, 2009
6/15/05
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
WILLIAM H. WEAVER
C 27370
EXP. MARCH 31, 2009
4/20/07
CIVIL
STATE OF CALIFORNIA

* Use Min 4" thick by 48" wide w/ #4 bar continuous around edge of pool deck.

# BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

**Licensee Name:** WEAVER WILLIAM HENRY
**License Type:** CIVIL ENGINEER
**License Number:** 27370
**License Status:** CLEAR Definition
**Expiration Date:** March 31, 2009
**Address:** 5797 N BOGART LN
**City:** BOISE
**State:** ID
**Zip:** 83714
**County:** OUT OF STATE
**Actions:** No

## Disciplinary Actions

No records returned

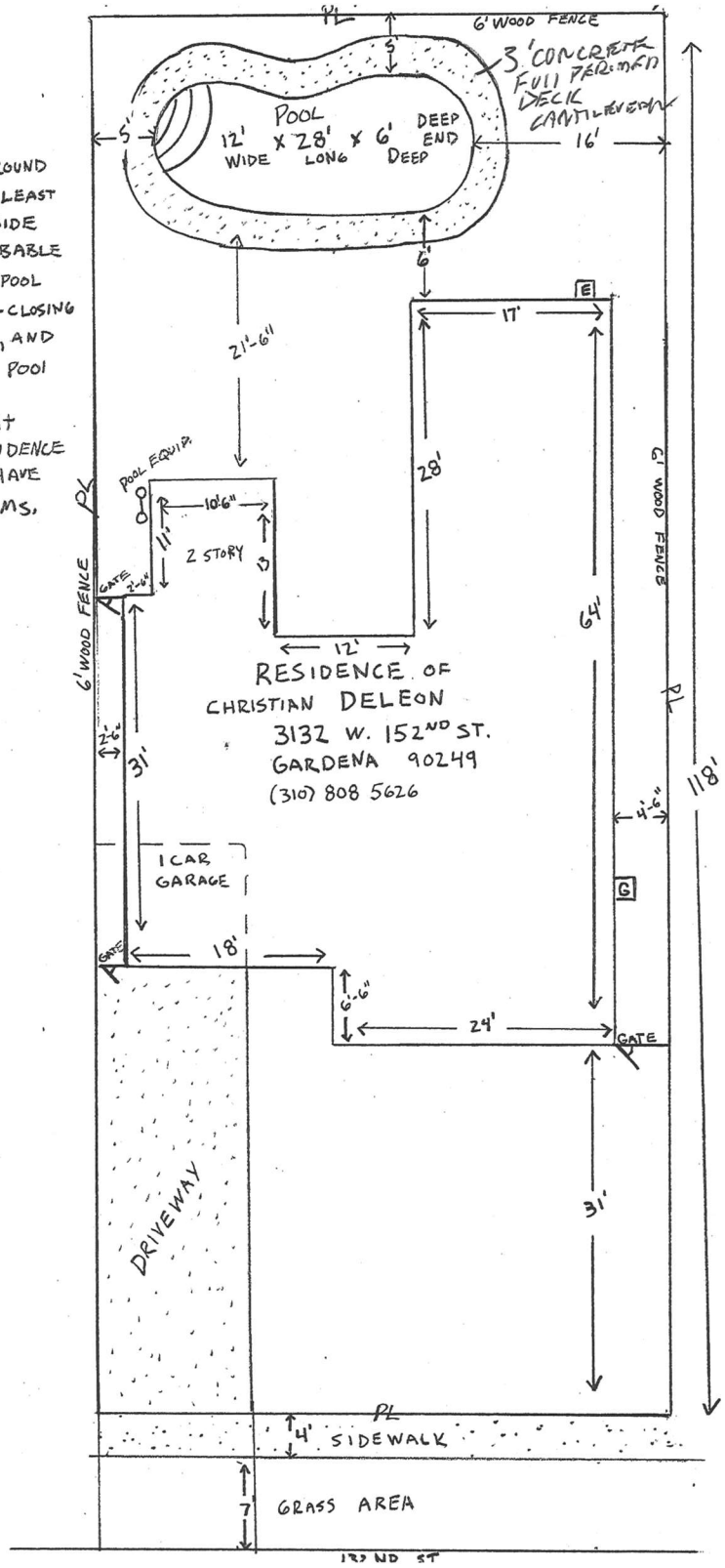
**This information is updated Monday through Friday - Last updated: APR-25-2007**

*Disclaimer*
*All information provided by the Department of Consumer Affairs on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While the Department believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, the Department makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither the Department, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by the Department. All access to and use of this web page and any other web page or internet site of the Department is governed by the Disclaimers and Conditions for Access and Use as set forth at California Department of Consumer Affairs' Disclaimer Information and Use Information.*

Back

NOTES:
SCALE 1/8" = 1'

1. ALL FENCING AROUND POOL AREA IS AT LEAST 5' HIGH FROM OUTSIDE AND IS NON-CLIMBABLE
2. ALL GATES TO POOL AREA ARE SELF-CLOSING SELF LATCHING, AND OPEN AWAY FROM POOL AREA.
3. ALL DOOR THAT LEAD FROM RESIDENCE TO POOL AREA HAVE APPROVED ALARMS.




BUILDING AND SAFETY DIVISION
Department of Public Works
APPROVED
UNDER TITLE 26
BY:
JUL 26 2007

This set of plans and specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Division of Building and Safety, County of Los Angeles. The stamping of this plan and specifications SHALL NOT be held to be an approval of the violation of any provisions of any County Ordinance or State Law.

4