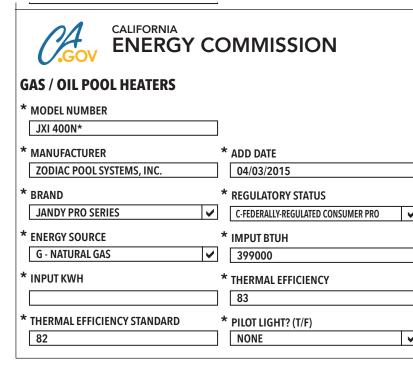
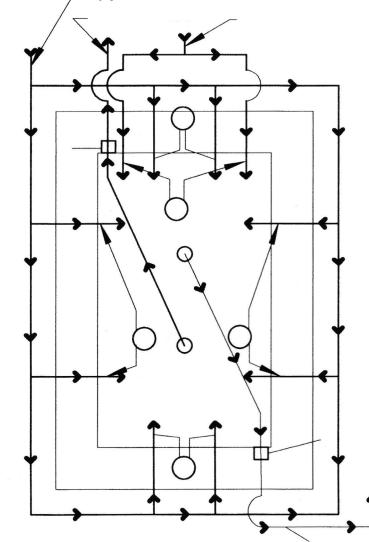


SEE ATION

GENERAL NOTES:

- Plans comply with 2019 CBC, CRC, CMC, CPC, 2019 CEC state codes, and county of Santa Barbara ords #4822, \$4766 and planning/zoning ords
- This project shall comply with the 2019 California Residential Energy Standard.
- Waterproof operation energy efficiency note shall be displayed on heater door.
- Special inspection of shotcrete is required; barriers complying with 2019 CBC Section 31.09.4.4 thru 3109.4.4.8 verified by the city/county inspector prior to filling pool with water. (CBC Sec. 106.3) Barriers to comply with city/county of Santa Barbara barrier codes CBC 3109 & SBC ord#5536.
- The special inspector shall be a qualified person who shall demonstrate competence to the satisfaction of the
- Provide manufactures installation specs for pool equipment clearances at job site for inspector.
- Heater to be grounded with a #8 solid copper wire.
- Pool lights shall be installed 18" below waterline or per manufactures specs.
- Provide waterproof/GFCI outdoor receptacles at approx. 6ft min. to 20ft from edge of pool.)2019 CEC 680.22)(B) • Receptacles in wet locations to have an enclosure that is waterproof whether or not attachment
- plug is inserted in the receptacle.
- No exterior lights withing 10ft of pool.
- All lighting to be hooded- not to shine on adjacent properties and right of ways. • Auto control with disconnected- GFI with receptacles outlet.
- All relays and timers in sub panel.
- Bonding to comply with CEC 2019 680.26 Equipotential Bonding. Parts 1 & 2. (1) To be constructed of minimum 8 AWG bare solid copper conductors bonded to eachother at a min. 4 points of crossing. (2) Conform to contour of pool and deck. (Under paved & unpaved surfaces at a min. of 3 horiz. ft from pool & spa walls)
- Fixed metal parts within 5 ft or less from the inside of pool wall shall be bonded per CEC 680.26(B)(7).
- Gas line to be of PE. (See sizing chart this sheet)
- Backflow device to be tested by certified technician prior to final inspection. • Compliance with 2019 CBC sec. 3109.4.4 thru 3109.4.4.8 VIRGINIA, GRAEME BAKER POOL & SAFETY ACT.
- ASME/ANSI A112.19.8-2009 for listed covers/ grates where required.
- Pool system has directional inlets and a circulation pump time control.
- All anti-entrapment drain cover device is required. Cover shall meet ASTM or ASME requirements.
- All exposed plumbing to be painted.
- Provide as a minimum a blackflow RP device on the pool fill line.
- In system piping for pools and spas, all elbows shall be sweep elbows or of an elbow type that has pressure drop of less than the pressure drop of a straight pipe with a length of 30 pipe diameters. For use of the latter method, a list must be provided at field inspection that shows that the elbows, comply.





LOW PRESSURE NATURAL GAS & PROPANE GAS PIPE SIZE								
HEATER SIZE	PIPE SIZE							
INPUT BTU	3/4″	1″	1 1/4″	1 1/2″	2″			
200,000	0'-30'	30'-100'	100'-380'	380'-600'	-			
260,000	0'-15'	15'-60'	60'-230'	230'-490'	490'-600'			
400,000	0'-5'	0'-5' 5'-30' 30'-110' 110'-230' 230'-600'						

SCOPE	E OF WORK
CONSTRUCTION TYPE: New in	n-ground shotcrete pool
POOL SIZE: 15FT X 34FT	SPA SIZE: NONE
PROJECT OWNERS: PEARL Z	ALON
PROJECT ADDRESS: 3424 M	ARINA DR
SANTA E	BARBARA, CA 93110
ZONE: A-1/S-D-3	A.P.N.: 047-021-011
	SLOPE: 11%
SET BACKS: SEE SITE PLAN - A	
OPEN YARD AREA REQUIRED	
OPEN YARD AREA PROVIDED	
GRADING CUT: 45 Cubic Yard	ds
GROSS SF RESIDENCE: N/A	
SF of POOL: 510SF	
SF of SPA: N/A	
CONTRACTOR / PLAN PREPAR	RER:
DAKARI POOLS, INC.	
	NEZ, CA 93460- PH 805.886.9454
ENGINEER:	-
POOL ENGINEERING, IN	
	HIEM, CA 92807- PH 714.630.6100
	g calculations: N/A
SOILS ENGINEER:	
	BORATORY OF SANTA BARBARA, INC.
P.O. BOX 96, 35-A SOUT	h la patera lane
GOLETA, CA 93116	

POOL & SPA HEATING SYSTEM EQUIPPED AS FOLLOWS:

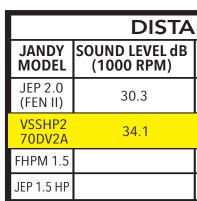
- No electric resistance heating.
- System is installed with:
 - Heater to be grounded with a #8 solid copper wire.
 - Heater pad that is 3" above finish grade.

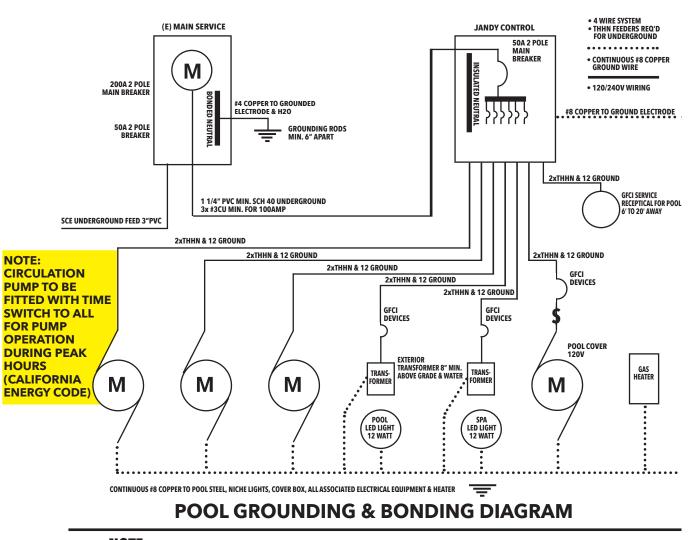
INSPECTION NOTES:

- submitted to the Building Department for approval.
- deputy inspector and soils inspector.
- Soils engineer shall inspect all foundation elevations as required.

SUMMARY OF DEPUTY AND CONSULTANT INSPECTIONS:

- Shotcrete installation by deputy inspector.
- Structural Engineering inspector.





POOL GENERAL SPECIFICATIONS	SPA GENERAL ADD'L SPECIFICATIONS
APE: RECTANGLE PER: 98LF AREA: 510SF	SPA TYPE:
E: 15FT X 34FT DEPTH: 3.5FT X 7FT	SIZE: DEPTH:
ACITY: 15,300 GALLONS	TOTAL GALLONS:
MP: JANDY PB4-60	SPA JETS:
ER: Jandy CL340	BENCH:
ATER: LAARS SIZE 400,000 BTU LO NOX	TILED WALL:
ANER: NAVIGATOR	JET PUMP:
ORINATOR: JANDY 1400	LIGHT:
E SIZE: 2.5 " TYPE: PVC	SOLAR GENERAL SPECS
URN LINE: 2.5"	JOLAR GLINERAL JFLCJ
IN DRAIN: 2"	SQ. FT. POOL: SQ. FT. PANEL:
OFILL W/ANTI SIPHON VALVE: YES	PANEL SIZE:
MMER W/VACUUM LINE: YES	NUMBER OF PANELS:
S LINE: PE SIZE: 1 1/2 "	AUTOMATIC
CTRICAL: BY DAKARI POOLS, INC.	ATMOSPHERIC SENSOR:
NDING: BY DAKARI POOLS, INC.	
HTS: 4(EA) LED 12WATT	OWNER(S)
HTTRANSFORMER: AS SHOWN	TO DETERMINE:
O CONTROL: JANDY RS6	_
CHOICE / DAKARI POOLS, INC.	APPROXIMATE ELEVATION OF POOL ON DAY OF EXCAVATION
STER: BY DAKARI POOLS, INC.	• EXIT ALARMS ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS
PREPARATION: N/A	OR WINDOWS THAT PROVIDE DIRECT ACCESS TO THE
ADING: BY DAKARI POOLS, INC.	SWIMMING POOL OR SPA.
L CLASS: EXPANSIVE	 THE EXIT ALARM MAY CAUSE EITHER AN ALARM NOISE OR A VERBAL WARNING, SUCH AS A REPEATING NOTIFICATION
POSITION OF DIRT: HAUL	THAT "THE DOOR TO THE POOL IS OPEN".
CKING BY: OTHERS	
PING BY: OTHERS DL BASIN EQPMT BY: NL/A	DO NOT TURN ON POOL LIGHT WHEN POOL IS EMPTY
MP N/A	
ER	OWNER(S)
ETY COVER (YES) NO	NAME: Pearl Zalon
ASTMF1346-91	
AWN BY: DAKARI POOLS, INC. DATE	ADDRESS: 3424 Marina Drive
K'D BY: DATE	
	RES. PHONE: 805-687-7150
	CITY: Santa Barbara

• Gas-fired, fan-type pool/spa heaters that have no continuously burning pilot light. LO-nox A.S.M.E. • Gas-fired heating systems are to be certified for a minimum of 78% thermal efficiency per ASME regulation • Weatherproof, operating energy efficiency note shall be displayed on heater door. • An on/off switch mounted outside of the heater. (must allow shut-off without adjusting thermostat)

• At least 36" of pipe between filter and heater for future solar heating • Insulated cover for outdoor heated pools and spas.

• The Special Inspector shall be a qualified person who shall demonstrate competence to the satisfaction of the building official. Names and qualifications of special inspector(s) shall be

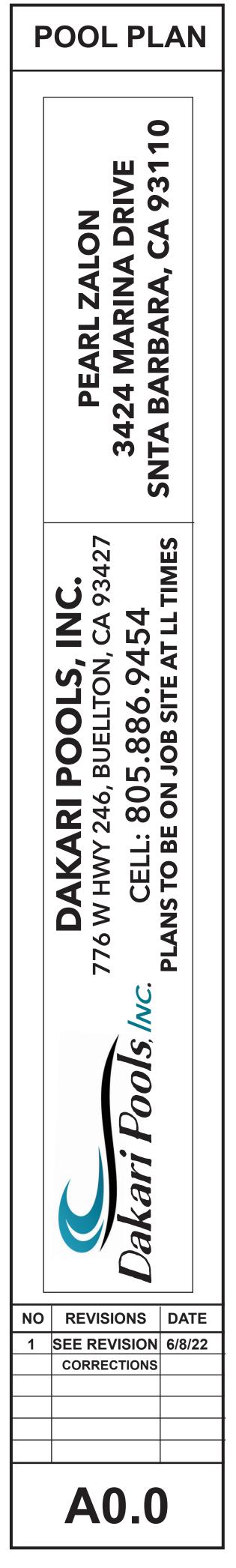
• Special inspection required for caisson pour and concrete placement of grade beams by

• Soils engineering inspector (where soil engineering has been a project requirement).

NOTE: Field Inspector will be provided at job site with all pool equipments' manufactures' install specifications to verify required clearances and installation requirements.

NCE FROM PUMP: 12 FT (3.66M)						
SOUND LEVEL dB (1725 RPM)	SOUND LEVEL dB (3450 RPM)	SOUND LEVEL dB (60 GPM)	SOUND LEVEL dB (10 GPM)			
41.8	56.2					
41.7	60.7					
		44.8				
			50.6			

NOTE : ELECTRICAL SUB-PANEL SHALL HAVE A TIME SWITCH ON THE CIRCULATION PUMP THAT WILL ALLOW OPERATION **OF EQUIPMENT DURING OFF PEAK HOURS ONLY.**



DROWNING PREVENTION FEATURE FOR POOL AND/OR SPA CONSISTING OF AT LEAST TWO OF THE FOLLOWING:

1. An enclosure that meets the requirements of HSC Section 115923 and isolates the swimming pool or spa from the private single-family home OR

2. Removable mesh fencing that meets American Society for Testing and Materials (ASTM) Specifications F2286 standard in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device OR

3. An approved safety pool cover that meets all of the performance standards of ASTM F1346-91 OR

4. Exit alarms on the private single-family home's doors or windows that provide direct access to the swimming pool or spa. The exit alarm may cause either an alarm noise or a verbal warning, such as a repeating notification that "the door to the pool is open.

OR

A self-closing, self-latching device with a release mechanism placed no lower than 54 inches above the floor of the private single-family home's doors providing direct access to the swimming pool or spa

OR

An alarm that, when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. The alarm shall meet and be independently certified to the ASTM Standard F2208 "Standard Safety Specification for Residential Pool Alarms," which includes surface motion, pressure, sonar, laser, and infrared type alarms. A swimming protection alarm feature designed for individual use, including an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water, is not a qualifying drowning prevention safety feature

OR

Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the features set forth above and has been independently verified by an approved testing laboratory as meeting standards for those features established by ASTM or the American Society of Mechanical Engineers (ASME).

David Hever DAKARI POOLS, INC

Note



POOL 15'-0" X 34'-0"

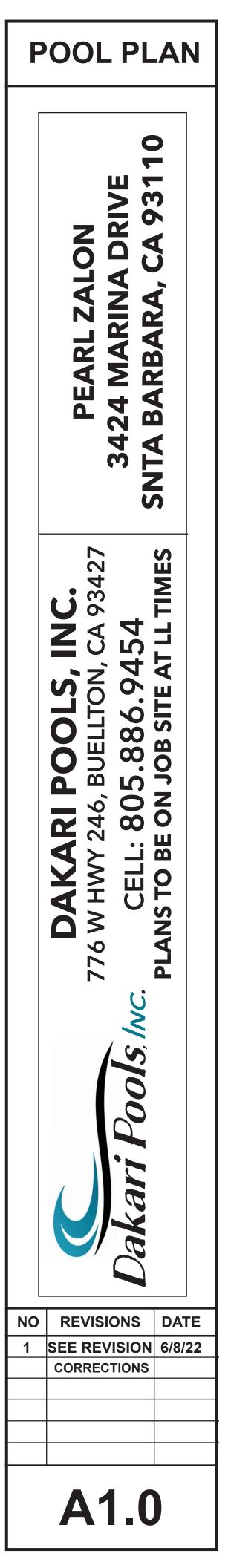


SITE PLAN REVIEWED for conformance to structural details fodd L Lacher, F. C.E. Pool Engineering, Inc. Structural details shall take precedence over conflicts with site plan

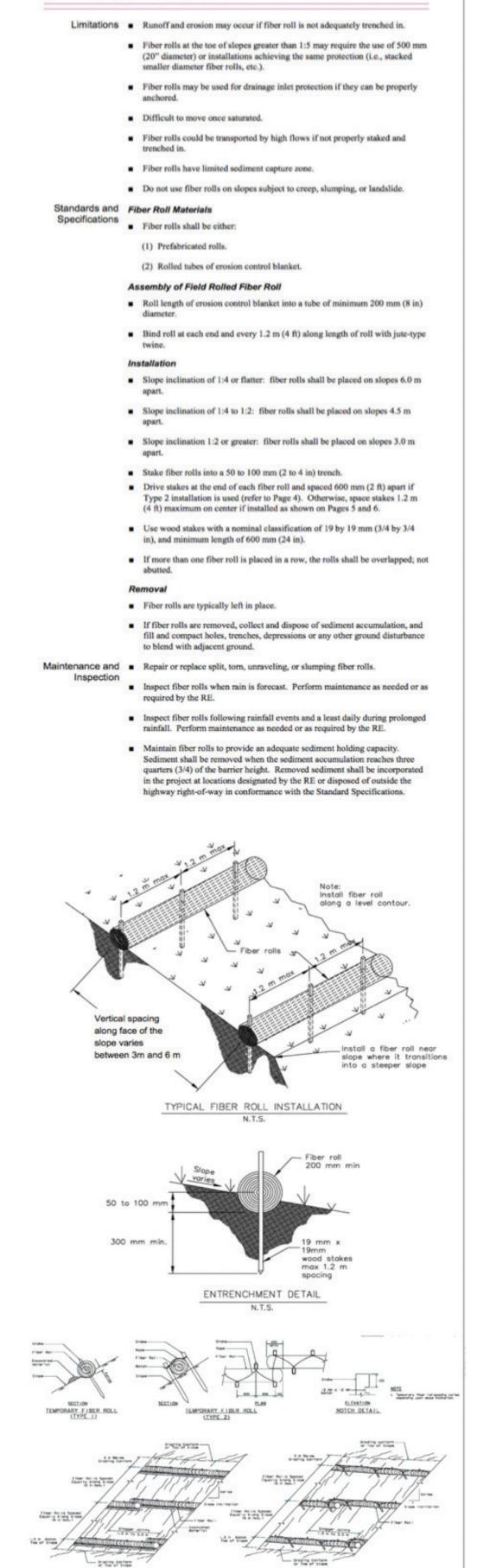
Date: 4/18/2022

Pool excavation shall be inspected by soils engineer prior to steel placement. As a condition of the use of Pool Engineering, Inc. structural plans, Soils Engineer shall certify that the pool bottom conforms to Structural Note 1 on Standard Pool Structural Plan.

672

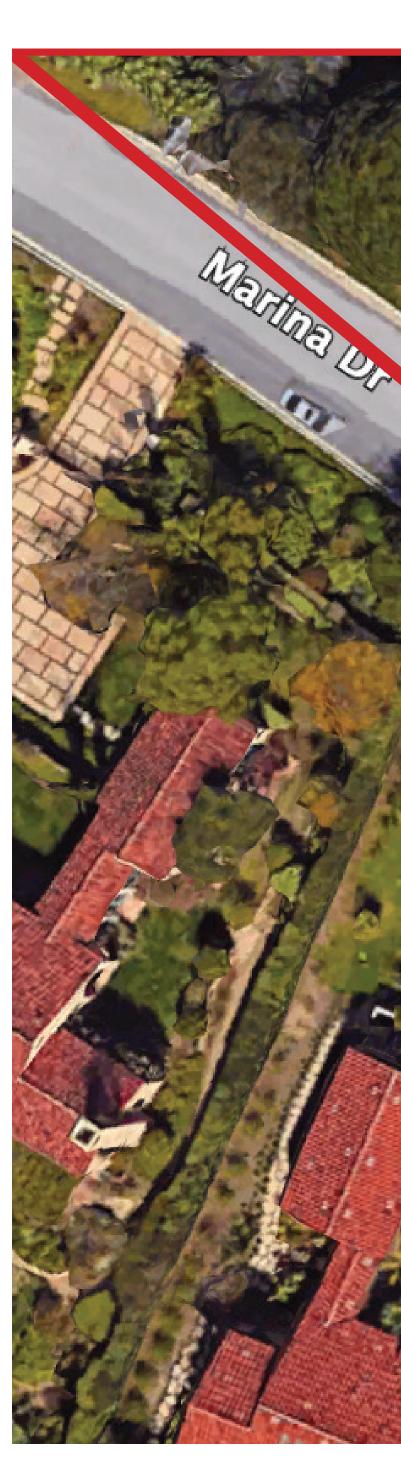


A FIBER ROLLS



PERSPECTIVE TEMPORARY FIBER ROLL (TYPE 2)

EMPORARY FIBER ROLL (TYPE



POOL PLAN 1/20"= 1'-0"

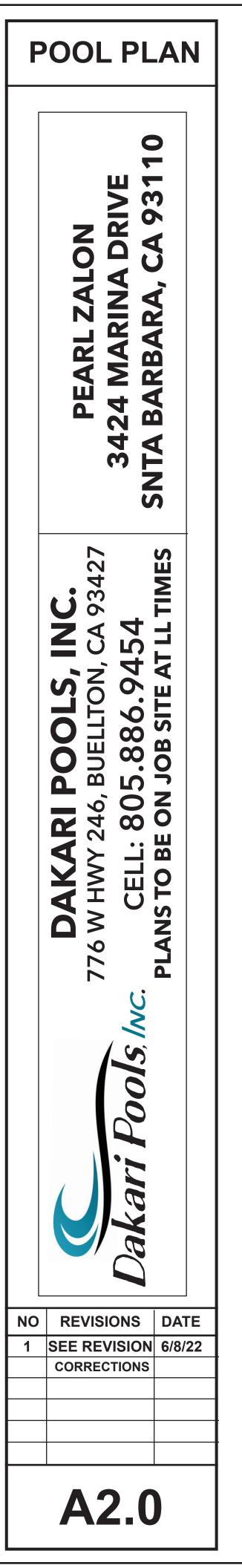
15 FT X 34 FT INGROUND SHOTCRETE **SWIMMING POOL**

50 AMP PO(QUIPMENT PANEL

CEPTACLES THAT PROVIDE R FOR WATER PUMP MOTORS R FOR WATER PUMP I SANITATION I SYSTEMS F ROM (CED 680.22(A)(2)

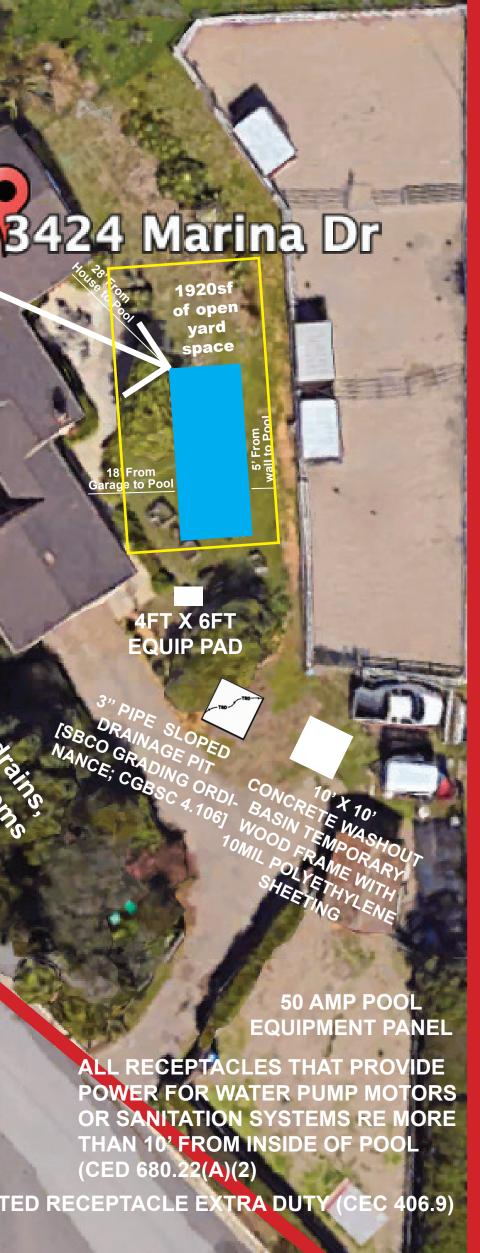
PAD

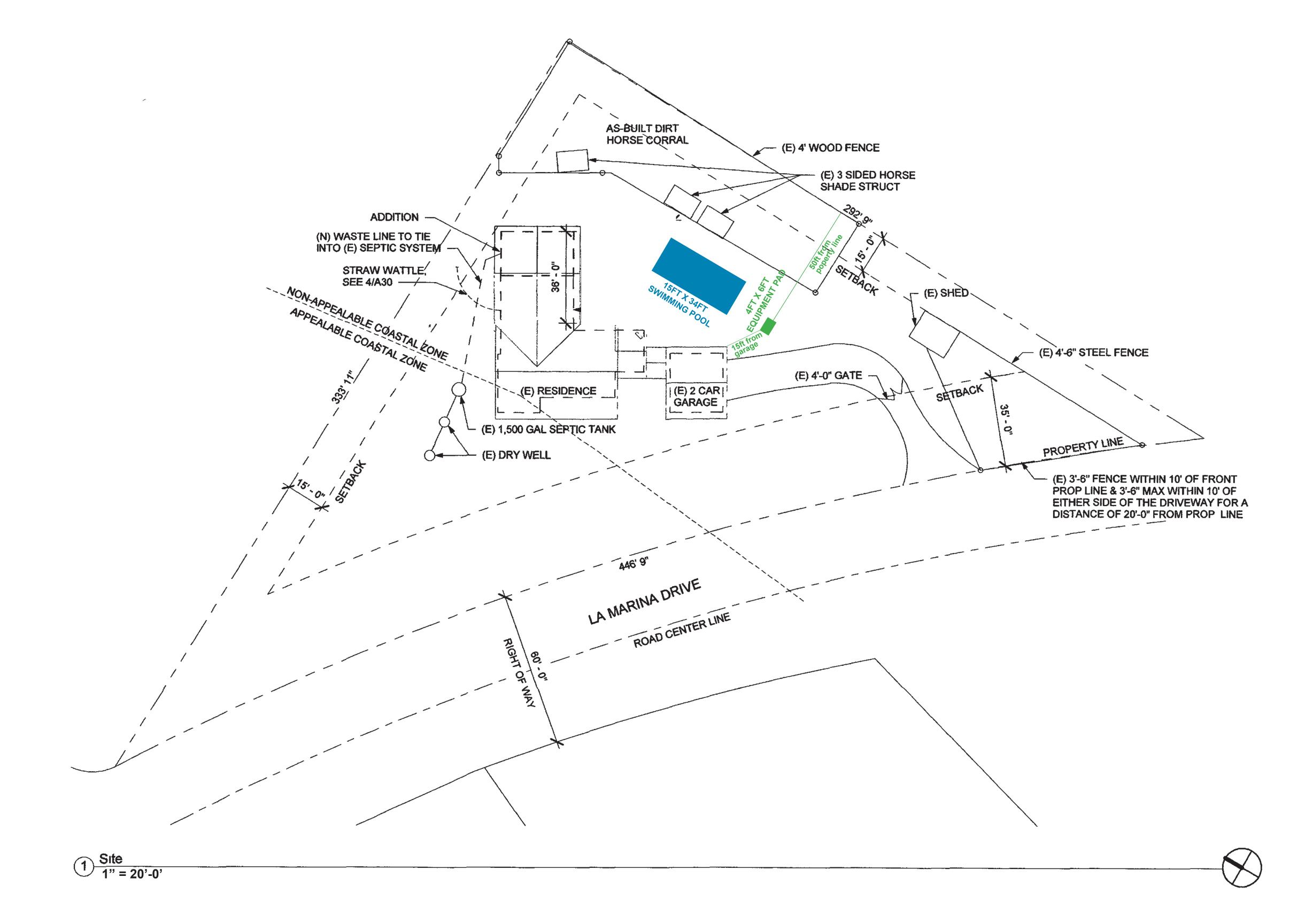
GFCI PROTECTED RECEPTACLE EXTRA DUTY (





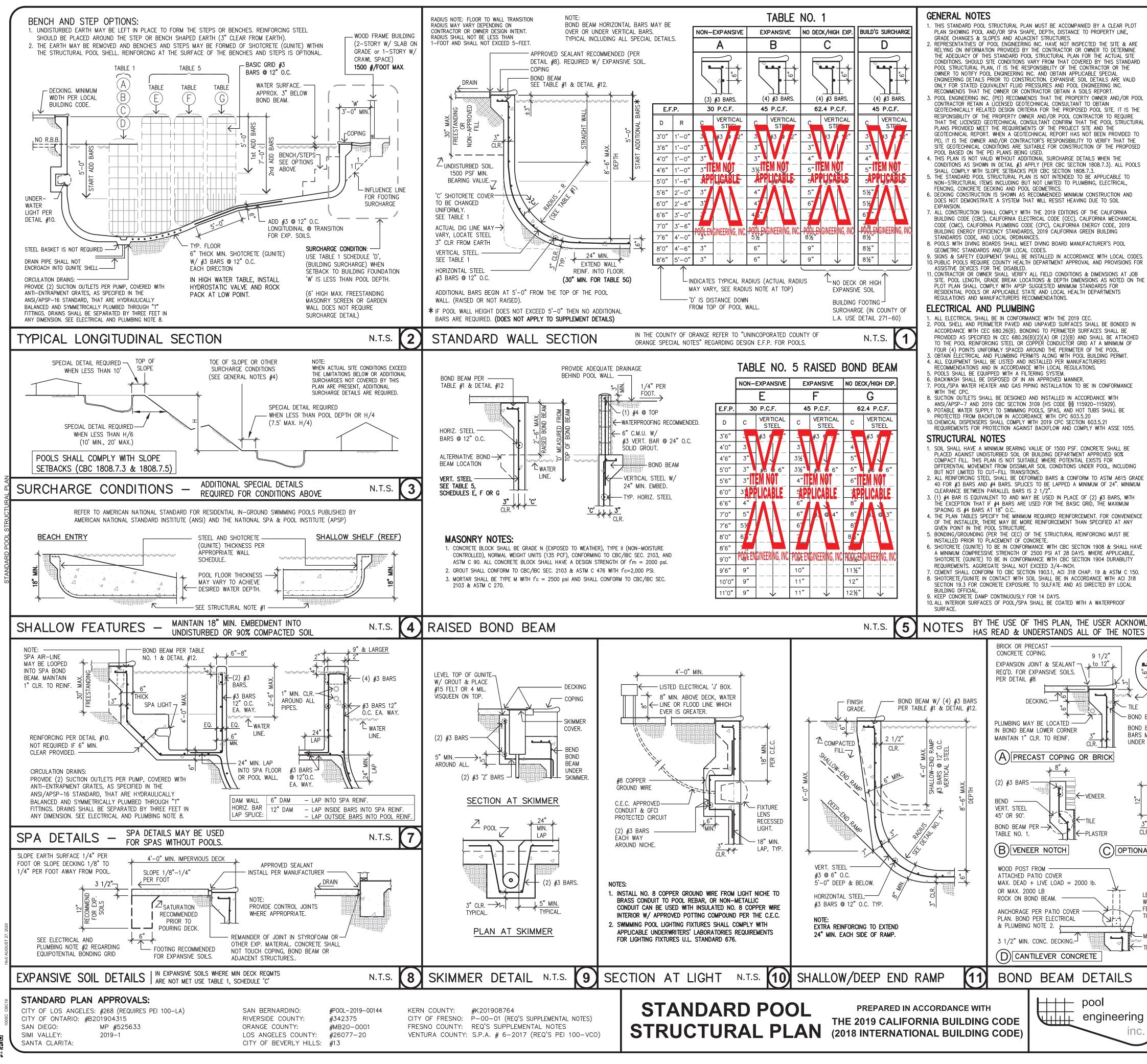
David Heuer DAKARI POOLS, INC





Ρ	OOL PLAN
	PEARL ZALON 3424 MARINA DRIVE SNTA BARBARA, CA 93110
	Dakari Pools, INC.776 W HWY 246, BUELLTON, CA 93427CELL: 805.886.9454PLANS TO BE ON JOB SITE AT IL TIMES
	Dakari Pools, hc.
NO 1	REVISIONS DATE SEE REVISION 6/8/22
	CORRECTIONS
	A3.0

David Hever Dakari pools, inc



€ VENEER.

I←PLASTER

()J+-

GLAZING IN HAZARDOUS LOCATIONS

WHEN REQUIRED BY THE BUILDING OFFICIAL, GLAZING SHALL COMPLY WITH THE CBC SECTION 2406.4, INCLUDING LOCALLY ADOPTED AMENDMENTS. GLAZING IN WALLS AND FENCES USED AS A BARRIER SHALL BE SAFETY GLAZING WHEN

ALL OF THE FOLLOWING CONDITIONS ARE PRESENT A. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE ANY STANDING OR WALKING SURFACE B. THE GLAZING IS WITHIN 5 FEET OF A SWIMMING POOL OR SPA DECK AREA.

CONTINUOUS SHOTCRETE INSPECTION

WHERE REQUIRED BY THE PERMITTING AGENCY. PNEUMATIC CONCRETE PLACEMENT SHALL BE INSPECTED BY A SPECIAL INSPECTOR IN CONFORMANCE WITH CBC SECTION 1704, WHO SHALL SUBMIT A STATEMENT INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

- 1. PUMPS SHALL BE SIZED PER SECTION 150(p) OF THE LATEST ADOPTED EDITION OF THE BUILDING ENERGY EFFICIENCY STANDARDS A LENGTH OF STRAIGHT PIPE GREATER THAN OR EQUAL TO 4 PIPE DIAMETERS SHALL BE
- INSTALLED BEFORE THE PUMP. 3. ALL ELBOWS SHALL BE SWEEP ELBOWS
- 4. MANDATORY REQUIREMENTS FOR POOL & SPA HEATING SYSTEMS & EQUIPMENT:
- SYSTEM IS CERTIFIED WITH: THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS, READILY ACCESSIBLE ON-OFF SWITCH, WEATHERPROOF OPERATING INSTRUCTIONS ON ENERGY EFFICIENT OPERATIONS, NO ELECTRIC RESISTANCE HEATING AND NO PILOT LIGHT.
- 4.2. SYSTEM IS INSTALLED WITH: A) AT LEAST 36" PIPE BETWEEN FILTER & HEATER FOR FUTURE SOLAR HEATING. B) COVER FOR OUTDOOR POOLS OR OUTDOOR SPA. 4.3. POOL SYSTEM HAS DIRECTIONAL INLETS & A CIRCULATION PUMP TIME SWITCH TO

PERMIT OFF PEAK OPERATION. FENCING AND BARRIERS

- 1. PRIOR TO FILLING. THE POOL AND OR SPA SHALL BE COMPLETELY ENCLOSED BY 5' MIN. HIGH FENCING & GATES WITH NO OPENINGS 4" OR GREATER. GATES TO BE SELF-CLOSING & SELF-LATCHING WITH LATCH A MIN. OF 5' HIGH. ACCESS GATES THROUGH FENCING SHALL OPEN AWAY FROM THE POOL. MAXIMUM VERTICAL CLEARANCE FROM GROUND TO POOL FENCING SHALL NOT EXCEED 2 INCHES. WHERE THIS VARIES FROM LOCAL CODES,
- THE LOCAL CODES SHALL PREVAIL 2. BARRIERS SHALL COMPLY WITH CBC SECTION 3109 (HS CODE §§ 115920-115929), INCLUDING LOCALLY ADOPTED AMENDMENTS.
- A. IN THE COUNTY OF LOS ANGELES, BARRIERS REQUIRED BY CHAPTER 11.50 OF THE LOS ANGELES COUNTY HEALTH AND SAFETY CODE AND ORDINANCE 95-0039 SHALL BE REQUIRED. THESE BARRIER REQUIREMENTS SHALL BE ATTACHED TO THE SWIMMING POOL SITE PLAN.

COUNTY OF LOS ANGELES SPECIAL NOTES

- 1. IN THE COUNTY OF LOS ANGELES, THE DEPARTMENT OF PUBLIC WORKS, BUILDING & SAFETY/LAND DEVELOPMENT DIVISION NOTES TITLED BARRIERS FOR SWIMMING POOL, SPAS, AND HOT TUBS FOR R-3 OCCUPANCIES SHALL BE ATTACHED TO AND MADE A PART OF THE SITE PLAN.
- 2. CONSTRUCTION TO BE PER THE LATEST ADOPTED EDITION OF THE LOS ANGELES COUNTY BUILDING CODE (LACBC).
- 3. IN LOS ANGELES COUNTIES SETBACK TO TOE OF ASCENDING SLOPE SHALL NOT BE LESS THAN 1 1/2 FEET & SETBACK TO TOP OF DESCENDING SLOPE SHALL NOT BE LESS THAN
- 4. ALL POOL CONSTRUCTION SHALL BE BASED ON AN EQUIVALENT FLUID PRESSURE EQUAL

TO OR GREATER THAN 60 P.C.F., UNLESS A SOILS REPORT IS SUBMITTED FOR REVIEW. CITY OF SIMI VALLEY SPECIAL NOTES

- 1. SEE THE ATTACHED "CITY OF SIMI VALLEY RESIDENTIAL SWIMMING POOL NOTES" FOR
- BUILDING CODE REQUIREMENTS AND DISPOSAL OF POOL WASTEWATER. 2. THE MINIMUM DESIGN EQUIVALENT FLUID PRESSURE (EFP) IS 60 PSF/FT (PCF) FOR POOLS SET IN LEVEL GRADE/LEVEL BACKFILL THAT MEET THE CITY OF SIMI VALLEY SLOPE SETBACK REQUIREMENTS FOR POOL PROJECTS THAT DO NOT SUBMIT OR REQUIRE A SOILS REPORT (CBC TABLE 1610.1).

UNINCORPORATED COUNTY OF ORANGE SPECIAL NOTES

- 1. WHERE SITE SPECIFIC SOIL TESTING HAS NOT BEEN PERFORMED: 1.1. POOLS SHALL BE DESIGNED FOR A MINIMUM DESIGN EQUIVILENT FLUID PRESSURE (FFP) OF 100 PSF
- . ALL CONCRETE IN CONTACT WITH SOIL SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'c) EQUAL TO 4,500 P.S.I., TYPE V CEMENT, AND W/C RATIO EQUAL TO 0.45. (THIS SHALL SUPERSEDE ALL OTHER LOWER F'C SPECIFICATIONS SET FORTH). DROWNING PREVENTION SAFETY FEATURES SHALL BE PROVIDED PER COUNTY

ORDINANCE NO. 19-006 SECTION 7-1-56 SECTION AV100. CITY OF SANTA CLARITA SPECIAL NOTES

CONSTRUCTION MATERIALS, CONCRETE, PLASTER, DIRT, GRAVEL, SAND, AND ACIDS AS WELL AS ANY WASH WATERS ARE PROHIBITED FROM ENTERING THE STREET, GUTTER, AND STORM DRAIN SYSTEM PER THE SANTA CLARITA MUNICIPAL CODE USE PROPER BEST MANAGEMENT PRACTICES TO PREVENT OR CAPTURE ANY CONSTRUCTION ACTIVITY RUNOFF INTO THE STORM DRAIN SYSTEM.

COUNTY OF SAN BERNARDINO SPECIAL NOTES

- THESE PLANS ARE FOR PRIVATE RESIDENTIAL USE ONLY. ALL POOL CONSTRUCTION SHALL COMPLY WITH THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPSC) AND COUNTY OF SAN BERNARDINO INFORMATION BULLETIN IB-0007. PERMIT APPLICANT SHALL PROVIDE PLANS SHOWING POOL ARCHITECTUAL DESIGN AND GEOMETRY.
- IN THE ABSENCE OF SITE SPECIFIC SOIL TESTING: POOL CONSTRUCTION SHALL BE BASED ON AN E.F.P. OF 60 P.C.F. OR GREATER AND ALL CONCRETE IN CONTACT WITH SOIL SHALL HAVE AT MIN: $F_{c} = 4,500$ PSI. TYPE V CEMENT AND W/C RATIO = 0.45 4. ENGINEER OF RECORD SHALL PROVIDE SITE PLAN REVIEW STAMP AND SIGNATURE ON SITE PLAN VERIFYING APPROPRIATE PROPOSED POOL LOCATION

BY THE USE OF THIS PLAN, THE USER ACKNOWLEDGES THAT HE HAS READ & UNDERSTANDS ALL OF THE NOTES INCLUDED HEREIN KK 3RD AND/OR 4TH 9 1/2" BAR LOCATION <u>مہو ہ</u> MAY VARY TO ●-¥- PROVIDE 2 1/2"

- BOND BEAM PER TABLE NO. 1

BOND BEAM HORIZONTAL

BARS MAY BE OVER OR

UNDER VERTICAL BARS.

CLR. BETWEEN

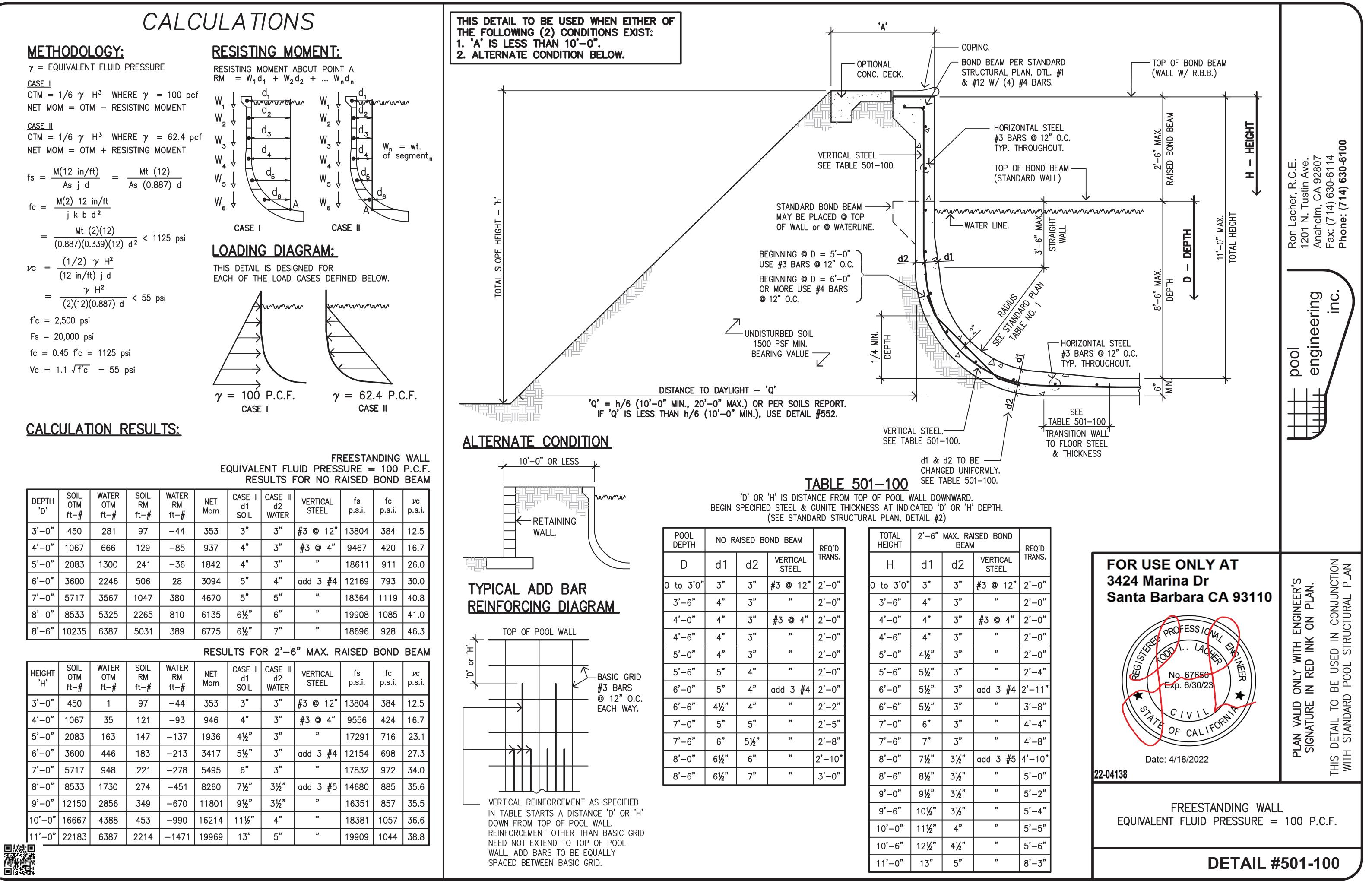
PARALLEL BARS

PROPERTY RIGHTS TO ALL DRAWINGS, REPRESENTATIONS, IDEAS, DETAILS, NOTES & SPECIFICATIONS EITHER COPIES R ORIGINALS THEREOF THAT MAY BE INCORPORATED INTO THIS DESIGN ARE THE PROPERTY SOLEY OF POOL NGINEERING, INC. PERMISSION FOR ANY COPIES OF SAID COPYRIGHTED MATERIALS, DRAWINGS, REPRESENTATIONS IDEAS, DETAILS, AND SPECIFICATIONS EITHER ORIGINAL OF COPIES THEREOF TO BE MADE, COPIED OR ALTERED BY ANY PERSON, BUSINESS, OR CORPORATION MAY ONLY BE AUTHORIZED WITH THE EXPRESSED WRITTEN PERMISSION OF POOL ENGINEERING, INC. BY THE USE OF THIS PLAN THE USER ACKNOWLEDGES THAT HE HAS READ & UNDERSTANDS ALL OF THE NOTES INCLUDED HEREIN.

FOR USE ONLY AT 3424 Marina Dr Santa Barbara CA 93110

22-04138 #3 BARS BENT **@** 48" 0.C. (6) #4 BARS. Exp. 6/30/23 (C) OPTIONAL (6) BAR BOND BEAM OF CAL Date: 4/18/2022 LEVEL TOP OF BOND BEAM WITH GROUT & PLACE 15# _ FELT OR 4 MIL. VISQUEEN ON TOP OF BOND BEAM. PLAN VALID ONLY WITH WET STAMP & ENGINEER'S SIGNATURE IN RED INK ON PLAN. AUTHORIZED SIGNATURES: RONALD L. LACHER, P.E. TODD L. LACHER, P.E. N.T.S. **12** CHRIS BIEDENBACH, P.E. MATTHEW THOMPSON, P.E. Ron Lacher, R.C.E. 1201 N. Tustin Ave. Anaheim, California 92807 Fax: (714) 630-6114

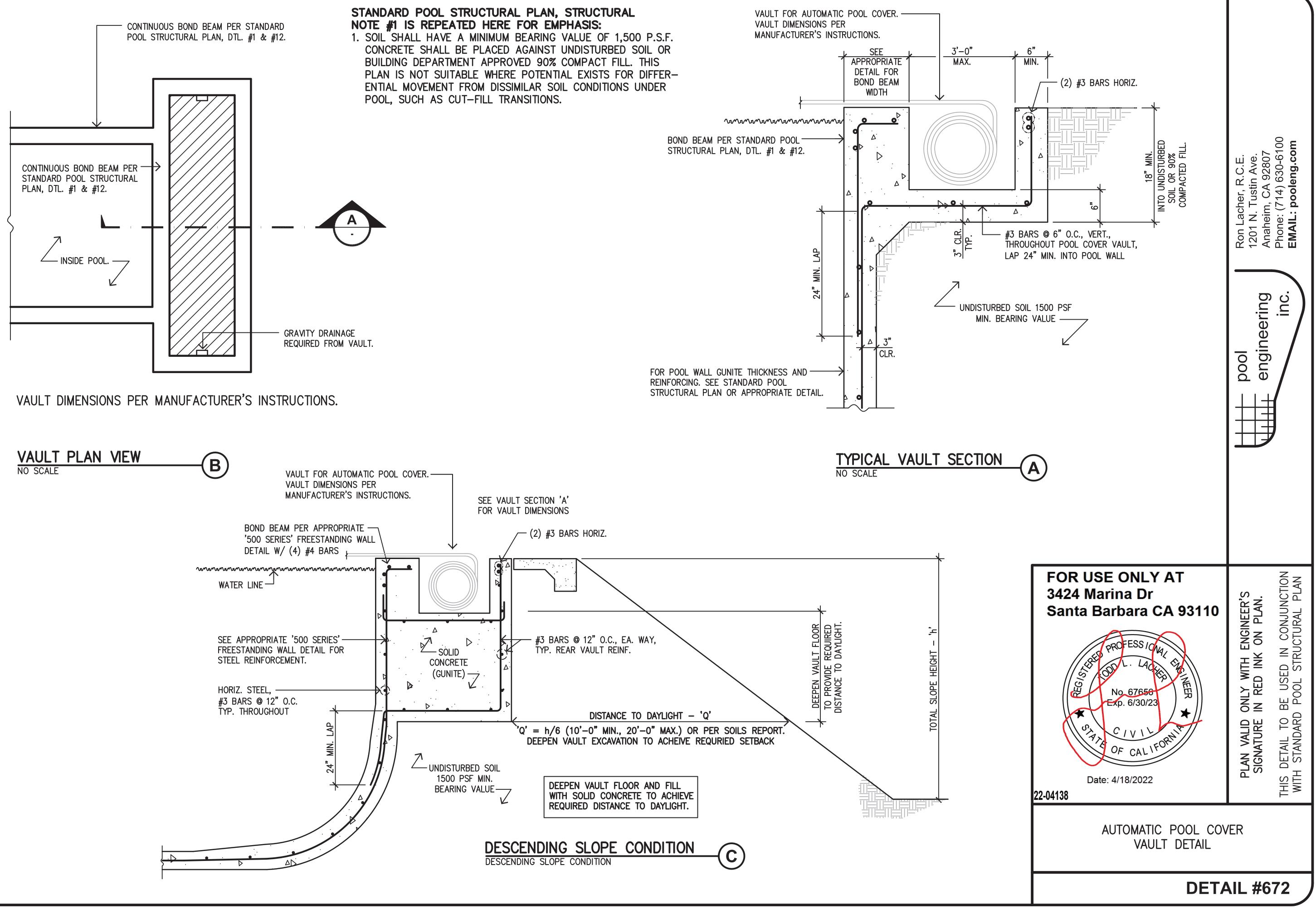
> Phone: (714) 630-6100 COPYRIGHT 2019, POOL ENGINEERING INC



EQUIVALENT FLUID PRESSURE = 100 P.C.F. RESULTS FOR NO RAISED BOND BEAM											
DEPTH 'D'	SOIL OTM ft-#	WATER OTM ft-#	SOIL RM ft—#	WATER RM ft-#	NET Mom	CASE I d1 SOIL	CASE II d2 WATER	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	vc p.s.i.
3'-0"	450	281	97	-44	353	3"	3"	#3 @ 12"	13804	384	12.5
4'-0"	1067	666	129	-85	937	4"	3"	#3 @ 4"	9467	420	16.7
5'-0"	2083	1300	241	-36	1842	4"	3"	33	18611	911	26.0
6'-0"	3600	2246	506	28	3094	5"	4"	add 3 #4	12169	793	30.0
7'-0"	5717	3567	1047	380	4670	5"	5"	33	18364	1119	40.8
8'-0"	8533	5325	2265	810	6135	6½"	6"	33	19908	1085	41.0
8'-6"	10235	6387	5031	389	6775	6½"	7"	33	18696	928	46.3
					RESU	LTS FO	0R 2'-6	6" MAX. R	AISED	BOND	BEAM
HEIGHT 'H'	SOIL OTM ft-#	WATER OTM ft-#	SOIL RM ft-#	WATER RM ft-#	NET Mom	CASE I d1 SOIL	CASE II d2 WATER	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	vc p.s.i.
3'-0"	450	1	97	-44	353	3"	3"	#3 @ 12"	13804	384	12.5
4'-0"	1067	35	121	-93	946	4"	3"	#3 @ 4"	9556	424	16.7
5'-0"	2083	163	147	-137	1936	4½"	3"	33	17291	716	23.1
6'-0"	3600	446	183	-213	3417	5 ½"	3"	add 3 #4	12154	698	27.3
7'-0"	5717	948	221	-278	5495	6"	3"	33	17832	972	34.0
o' o"	8533	1730	274	-451	8260	7½"	31⁄2"	add 3 #5	14680	885	35.6
8'-0"							i			i	
8 –0 9'–0"	12150	2856	349	-670	11801	9½"	3½"	59	16351	857	35.5
	12150	2856 4388	349 453	-670 -990	11801 16214	9½" 11½"	3½" 4"	22	16351 18381	857 1057	35.5 36.6

POOL DEPTH	NO R	REQ'D		
D	d1	d2	VERTICAL STEEL	TRANS.
0 to 3'0"	3"	3"	# 3 @ 12"	2'-0"
3'-6"	4"	3"	33	2'-0"
4'-0"	4"	3"	#3 @ 4"	2'-0"
4'-6"	4"	3"	39	2'-0"
5'-0"	4"	3"	37	2'-0"
5'-6"	5"	4"	39	2'-0"
6'-0"	5"	4"	add 3 #4	2'-0"
6'-6"	4½"	4"	39	2'-2"
7'-0"	5"	5"	29	2'-5"
7'-6"	6"	5 ½"	27	2'-8"
8'-0"	6½"	6"	33	2'-10"
8'-6"	6½"	7"	22	3'-0"

TOTAL HEIGHT	2'-6"	MAX. RA BEAN	
Н	d1	d2	VERTIC STEE
0 to 3'0"	3"	3"	#3 @
3'-6"	4"	3"	3 9
4'-0"	4"	3"	#3 @
4'-6"	4"	3"	3 9
5'-0"	4½"	3"	3 9
5'-6"	5½"	3"	3 9
6'-0"	5 ½"	3"	add 3
6'-6"	5 ½"	3"	3 9
7'-0"	6"	3"	3 9
7'-6"	7"	3"	3 9
8'-0"	7½"	3½"	add 3
8'-6"	8½"	3½"	"
9'-0"	9½"	3½"	39
9'-6"	10½"	3½"	3 9
10'-0"	11½"	4"	3 9
10'-6"	12½"	4½"	3 9
11'-0"	13"	5"	39



VAULT	PLAN	VIEW	B
NO SCALE			P

'500 SE		PPROPRIATE TANDING WALI BARS	-
mmmmmmmm	MMMMMM	www.www.ww	بر ا
WATER LINE	•		
SEE APPROPRIA	ATE '500 SE	ERIES' ———	
FREESTANDING STEEL REINFOR		IL FOR	
			D
HORIZ. STEEL,			
#3 BARS @ 12 TYP. THROUGH	" O.C. DUT	+	╞┝
		AP	
		24" MIN. LAP	
		* *	
		5	
			'/
▶	AD.	-	

POOL CEC-CF2F CERTIFI

Pool Ar Project Nam Dwelling Ad

A. Poo 01 F B. Poo 01 02

MANDATORY ENERGY CONSERVATION **REQUIREMENTS FOR SWIMMING POOL/SPA** CF2R-PLB-03-E

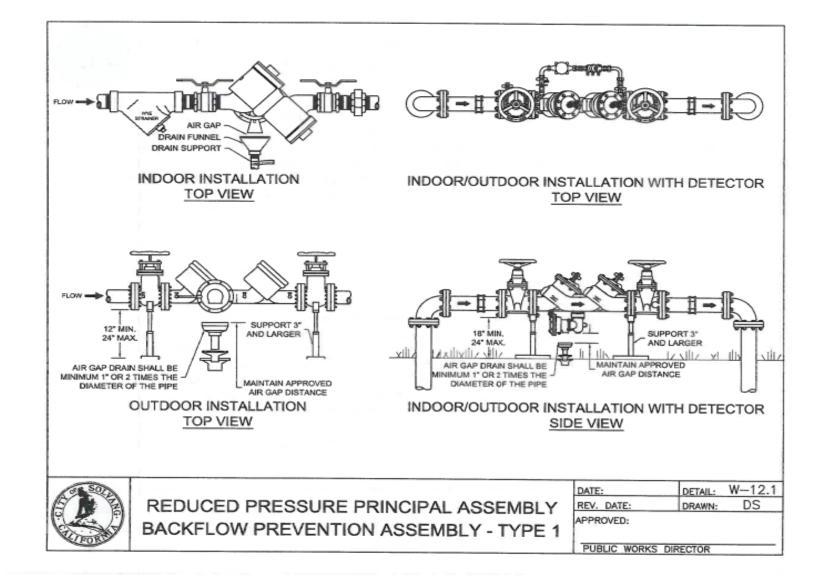
Plumbing Requirements (continued):

□ Provide backflow protection per {City of Solvang Municipal Code Title 9, Chapter 4 (9-4-4)} Backflow Protection Requirements:

- Clearly indicate on the plumbing plans the method of backflow prevention compliance. Options to include the following:
- 1. <u>Preferred Option</u>: Create an air gap at the pool auto-fill. Provide a detail on the plans which demonstrates the proposed air gap.
- 2. Install a Reduced Pressure Principal Assembly Type 1 per City's standards. Location to be two feet behind the existing water meter box on the customer side a minimum of 1 ft. above grade. (Alternative locations for the Reduced Pressure Principal Assembly Type 1 must be approved by the City of Solvang Water Supervisor, Mike Matthews (805) 688-5575 ext. 229 prior to installation).

The Reduce Pressure Valve must be tested immediately after installation and results provided to the Water Supervisor. Prior to final pool inspection, please schedule an inspection with the Water Supervisor by calling (805) 465-6657 x229 to provide testing results or verification of an air gap. Obtain Water Supervisor's signature on inspection card.

The installation of the Reduce Pressure Valve must also be registered with the City's Utility Billing Clerk. The Water Supervisor may confirm registration with the Utility Clerk prior to the air gap/reduced pressure valve inspection. Final approval from the Water Supervisor will not be granted unless registration with the Utility Clerk has occurred.



	L AND SPA HEATING SYSTEMS 2R-PLB-03-E (Revised 01/20)						
CERT	IFICATE OF INSTALLATION			CF2R-PLB-03-E			
Pool	And Spa Heating Systems - For Non-HERS Regis	stered Proje		(Page 1 of 3)			
Project N	Iame: PEARL ZALON		Enforcement Agency: SB COUNTY	Permit Number:			
Dwelling	Address: 3424 MARINA DRIVE		City: SANTA BARBARA	Zip Code: 93110			
A. Po	ool and Spa System Type						
01	1 Pool and Spa System Type In-Ground Pool						
B. Po	ool and Spa Systems and Equipment Requiren	nents (Section	on 110.4(a) and 110.5)	2			
01	Heater has a thermal efficiency that complies	s with the A	ppliance Efficiency Regulations.				
A readily accessible on-off switch is mounted on the outside of the heater, which allows the heater to be shut off without				the heater to be shut off without the			
02	user adjusting the thermostat setting.						
A weatherproof plate or card containing instructions for the energy-efficient operation of the pool or spa heater is							
05	permanently mounted.						
	No electric resistance heating except for listed package units that have fully insulated enclosures and tight fitting covers that						
04 are insulated to at least R-6. Or if documentation is provided that at least 60% of the annual heating energy				nual heating energy is from site solar			
	energy or recovered energy.						
05	Heating system has no pilot light.						
The r	esponsible person's signature on this compliance	document af	firms that all applicable requireme	nts in this table have been met.			

C. Pool and Spa System Installation Requirements (Section 110.4(b))

To allow for the future addition of solar heating equipment, at least 36" of pipe is installed between the filter and heater, or dedicated suction and return lines are installed, or built-in, or built-up, connections for future solar heating are provided. 02 A cover is provided for outdoor pools or spas that have a heat pump or gas heater. 03 Pool system has directional inlets to adequately mix the pool water.

Pool system has a time switch that allows the pump to be set or programmed to run during off-peak periods only. The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

POOL AND SPA HEATING SYSTEMS

		L AND SPA HEATING 2R-PLB-03-E (Revised 01/20)	SYSTEMS		
		IFICATE OF INSTALLATION			
		And Spa Heating Systems - For	Non-HERS Registered Pro	jects	
	roject N			Ent	
C	Dwelling Address: 3424 MARINA DRIVE				
L					
[D. Po	ol Pump Sizing and Flow Rate	Specification (Section 15)	0.0(p	
	01	The pool pump specified is lis	ted in the CEC database o	fcer	
		The pool pump flow rate shal			
		The return pipe diameter, suc	ction pipe diameter, and f	ilter a	
	02	the table.	and a standard and the last	1.6.4.1	
		Alternatively, a flow calculati			
		hour filtration turnover, and exceed 6 fps.	the return pipe now rate	uves	
-		An alternative compliance ca	lculation or a flow test res	ult is	
	03	provided for this pool or spa			
		(must attach flow calculation		form	
	04	The pump is capable of opera	ating at 2 or more speeds	(not	
	05	Each auxiliary pool load is ser	ved by either a separate p	oump	
	06	Volume of Pool (gallons)		Ga	
	07	Filter Type (Cartridge, Gand, I	DE)		
		08a	08b		
	F	Required Min Return Pipe	Required Min Suction		
		Diameter (inches)	Diameter (inches)		
		1 1/2"	2"		
_	09	Return Pipe Diameter (inches		2.5	
	10	Suction Pipe Diameter (inche	s)	2.5	
	11	Filter Surface Area (ft ²)		13	
	12	Max Pump Flow Rate (gpm)		125	
	13	Measured Flow Rate Return	Line (fps)	6-8	
	14	Measured Flow Rate Suction	Line (fps)	6-8	
	15	Compliance Statement:		N/	
	The r	esponsible person's signature on	this compliance document a	affirm	
			- () -)		
	E. Po	ol System Piping (Section 150.			
	01	The suction side pipe is straig		ieter	
-		straight run lengths for vario All elbows are sweep elbows		ic a n	
	02	with a length of 30 pipe diam		13 u p	
	The r	esponsible person's signature on		affirm	
-			•		
	F. Po	ol Filters and Valves (Section :			
	01	If a filter is used in a pool inte		size d	
	02	If a backwash valve is used: T	he diameter of the backw	/ash	
L		whichever is greater.			
L	The r	esponsible person's signature on	this compliance document a	affirm	

CA Building Energy Efficiency Standards - 2019 Residential Compliance

CERTIFICATE OF INSTALLATION - USER INSTRUCTIONS Pool And Spa Heating Systems - For Non-HERS Projects

		Tab	le C			
Pool sizir	ng (Values are b	ased on a maxin	num allowable	turnover	rate of 6-	- hours)
Note: For pumps	greater than 1	hp. The maximur	n Pump Flow is	the lowe	st speed a	lefault filtration
Max Pool						
Volume	Min Pipe	D or Greater	Min Filter	r Area or	more	Max Pump
(gallons)	(in	ches)	(squ	(square feet)		Flow (gpm)
	Return	Suction	Cartridge	Sand	DE	
13,000	1.5	1.5	100	2.4	20	36
17,000	1.5	2	130	3.1	25	47
21,000	2	2	160	3.9	30	58
28,000	2	2.5	210	5.2	40	78
42,000	2.5	3	320	7.8	60	117
48,000	3	3	360	8.9	70	133

	Pipe Di	ar
	Pipe Diameter	
	(inch)	
	1.5	
	2	
	2.5	
- [3	

Dakari Pools, Inc.	3/16/2022
^{s:} 776 W Hwy 246	CEA/HERS Certification Identification (If applicable):
Buellton, CA 93427	Phone: 805.886.9454

I certify that this Certificate of Installation documentation is accurate and complete

RESPONSIBLE PERSON'S DECLARATION STATEMENT

CA Building Energy Efficiency Standards - 2019 Residential Compliance

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

David Heuer

Pool And Spa Heating Systems - For Non-HERS Registered Projects

CEC-CF2R-PLB-03-E (Revised 01/20)

mentation Author Nam

CERTIFICATE OF INSTALLATION

PEARL ZALON

Dwelling Address: 3424 MARINA DRIVE

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Installation is true and correct.

I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf.

Enforcement Agency: SB COUNTY

SANTA BARBARA

Date Signed:

Documentation Author Signature: David Heuer

3/16/2022

The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency.

I will ensure that a registered copy of this Certificate of Installation shall be posted or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name: David Heuer	Responsible Builder/Installer Signature: David Heur		
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner) Dakari Pools, Inc.	Position With Company (Title): President		
Address: 776 W Hwy 246	CSLB License: 840618	r	
City/State/Zip: Buellton, CA 93427	Phone: 805.886.9454	Date Signed: 3/16/2022	

January 2020

CF2R-PLB-03-E

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CALIFORNIA ENERGY COMMISSION

ermit Number

^{Zip Code:} 93110

			CALIFO	ORNIA ENE	
CF2R-PLB-03-E					
(Page 2 of 3)					
nforcer	nent Agency:	SB COU		Permit Num	ber:
ity:	Δ ΝΤΔ	BARBAR		Zip Code:	93110
		DAINDAIN			
p))					3
	d pool pu				
					g in the table below. d minimums shown in
					w rate is less than 6 flow rate does not
is n)		Yes	0	No	\checkmark
-	licable if	pump is less	than 1 ho	rsepowe	r).
Careful States	a data cana a series a particular de la construction de	em is served			
allo		5,300			
		,			
		08c			08d
e				Req	uired Max Pump Flow
	Require	d Min Filter /	Area (ft ²)		(gpm)
inc	nes				
5 inc	hes				
30 5	SF				
5 gp	m				
3 ga	llons				
2 n 2	llons				
/A	10113				
	at all anni	icable require	ments in t	his table	have been met.
110 11	at an app	ioubie ie qui i			
					w for the required
					drop of a straight pipe
ms th	at all appl	icable require	ements in t	his table	have been met.
					(e)
oft	ne filter is	at least the	size sneci	fied in N	SE/ANSI 50
			the second se	the second s	the return pipe,
ms th	nat all appl	licable require	ements in t	this table	have been met.

January 2020

CF2R-PLB-03-I (Page 1 of 1

Table D meter/Pipe Length

ieter/ripe cengen
Required Pipe Length
leading into pump (inch)
6
8
10
12

David Hever

January 2020

DAKARI POOLS, INC

