

**POOL AREA FINISHES & MATERIALS**  
3991 LA COLINA ROAD  
PLN2024-00072

9 Feet

6 Feet

3 Feet

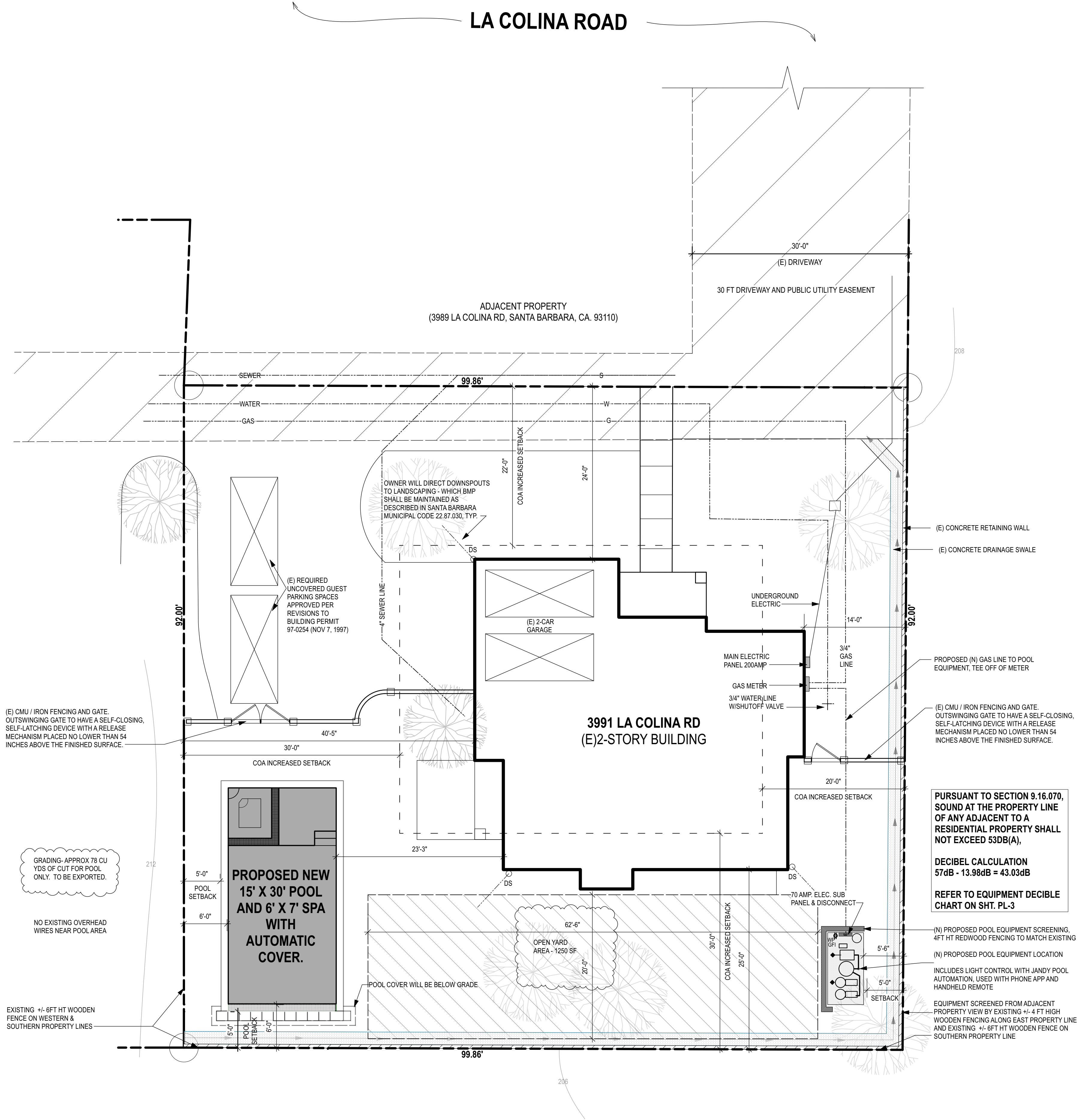
Sun Shelf

**SANDSTONE POOL COPING, WATERLINE TILE & POOL SURFACE**

STONE: FOSSIL CREEK STONE    SIZE: 24" X 14"    THICKNESS: 2"  
AVAILABLE FROM : SANTA BARBARA STONE    CONTACT: 805-963-5891

POOL TILE COLOR: PURE WHITE MOROCCAN ZELLIGE (ZIA) OR CALCITE (FIRECLAY)  
POOL TILE SIZE: 2" X 6"    POOL TILE PATTERN: VERTICAL

POOL SURFACE: PEBBLE FINA    COLOR: GRIGIO  
POOL SURFACE MANUFACTURER: PEBBLETECH



**(E) SITE PLAN**  
Scale: 1/8" = 1'-0"

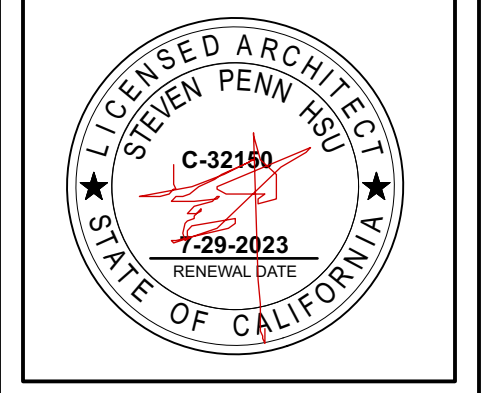
REVISION :  
PLANNING INCOMPLETE LETTER 06/03/24

**SRA**  
design | architecture

**Steven Penn Hsu**  
Architect

805.415.0910  
pennarch@att.net

DUNS #833001022  
CAGE CODE 5W2N8



**PERFECT POOLS INC.**  
GREG FAULKNER  
(805) 896-6886  
208 CALLE MANZANITA  
SANTA BARBARA, CA 93105

**LAI POOL**  
PROPOSED NEW POOL AND SPA  
3991 LA COLINA DR,  
SANTA BARBARA, CA 93110

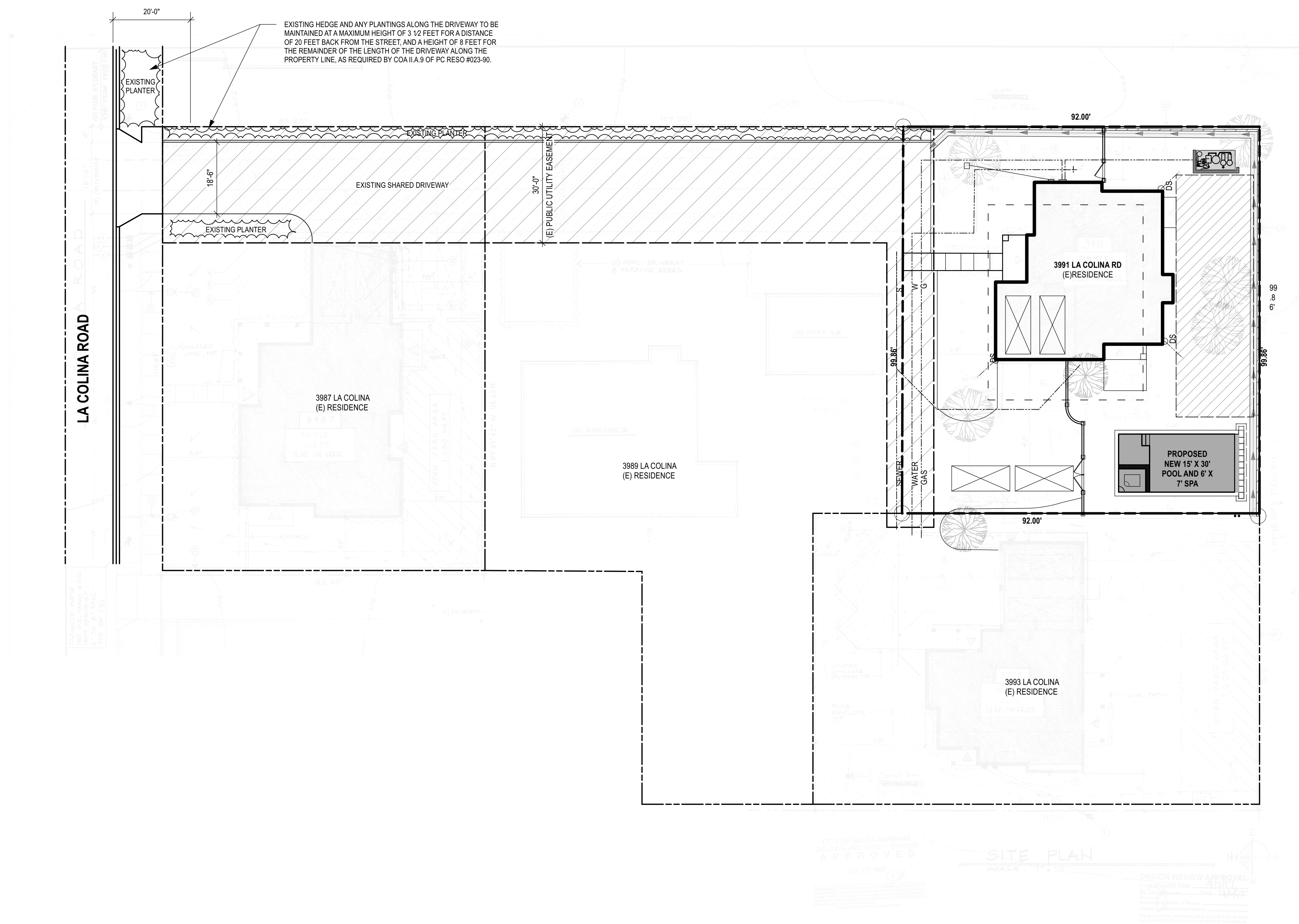
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SITE PLAN

Date: 9/28/23

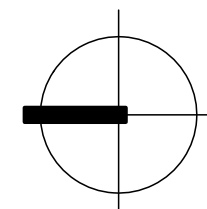
SHEET :

**PL-1**



**(E) OVERALL SITE PLAN**

Scale: 1/16" = 1'-0"



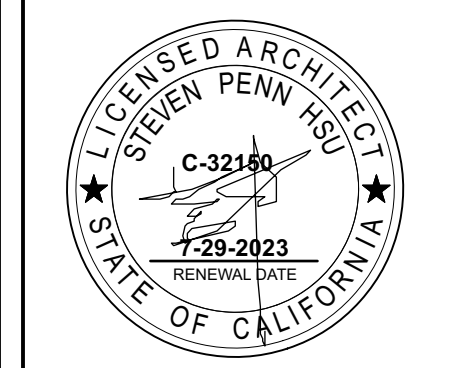
REVISION :



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**NELLEY POOL**  
PROPOSED NEW POOL AND SPA  
806 CAMINO VIEJO DR,  
SANTA BARBARA, CA 93108

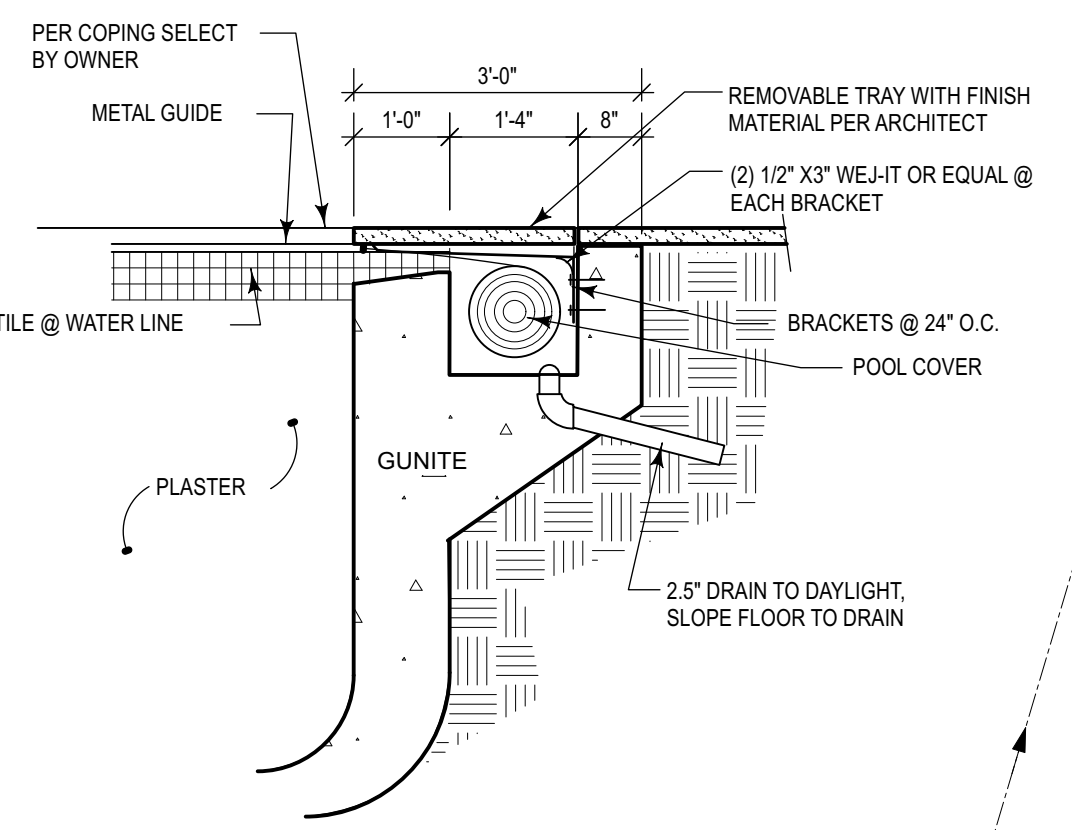
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OVERALL  
SITE PLAN

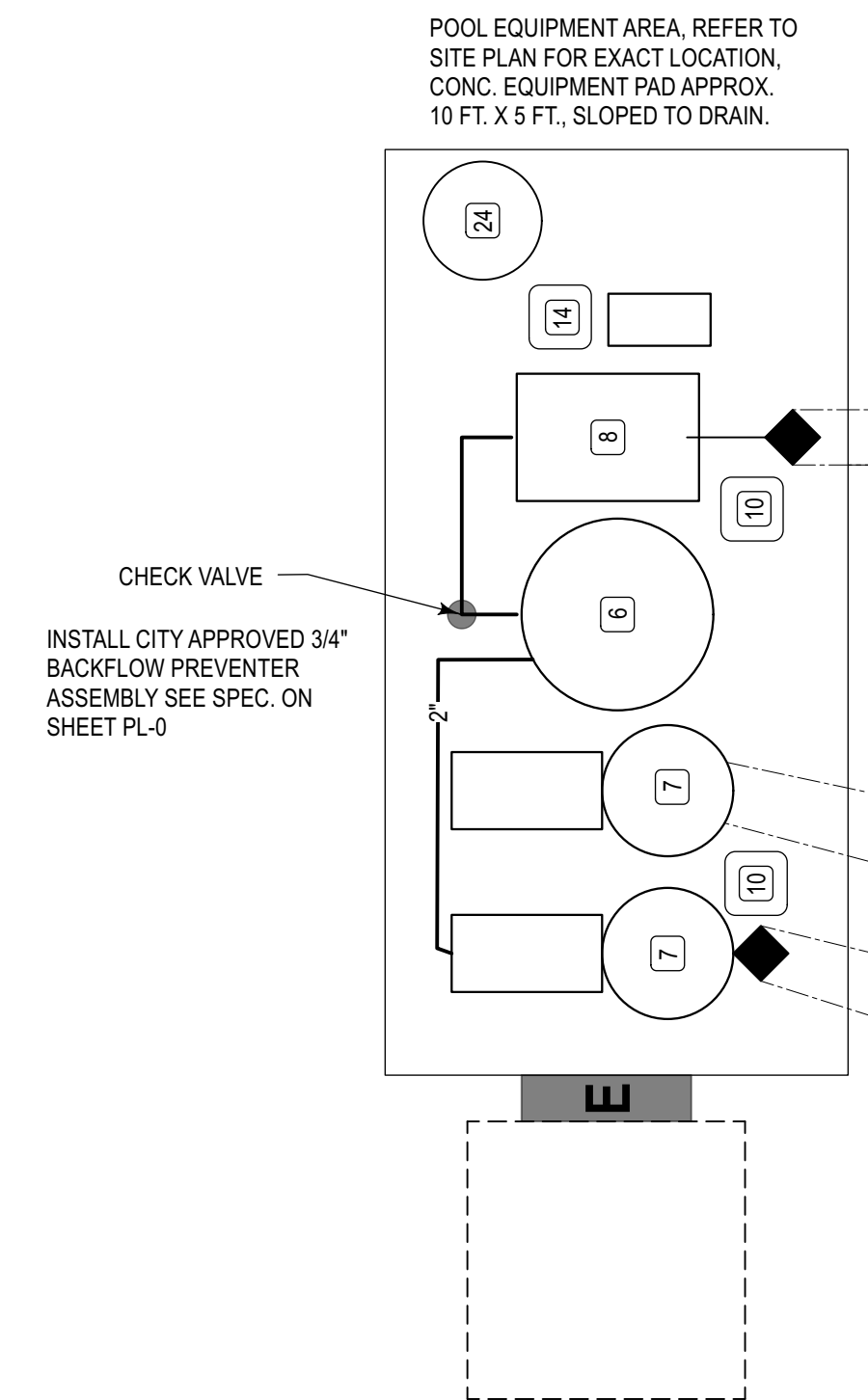
Date: 6/3/24

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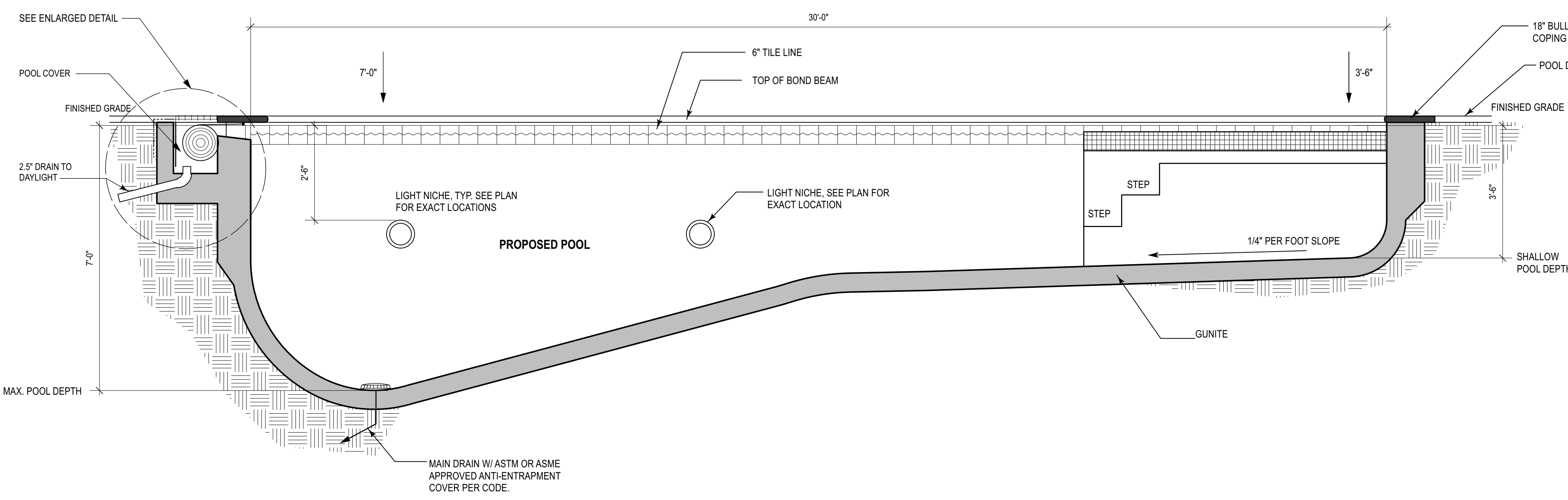
**PL-1.1**



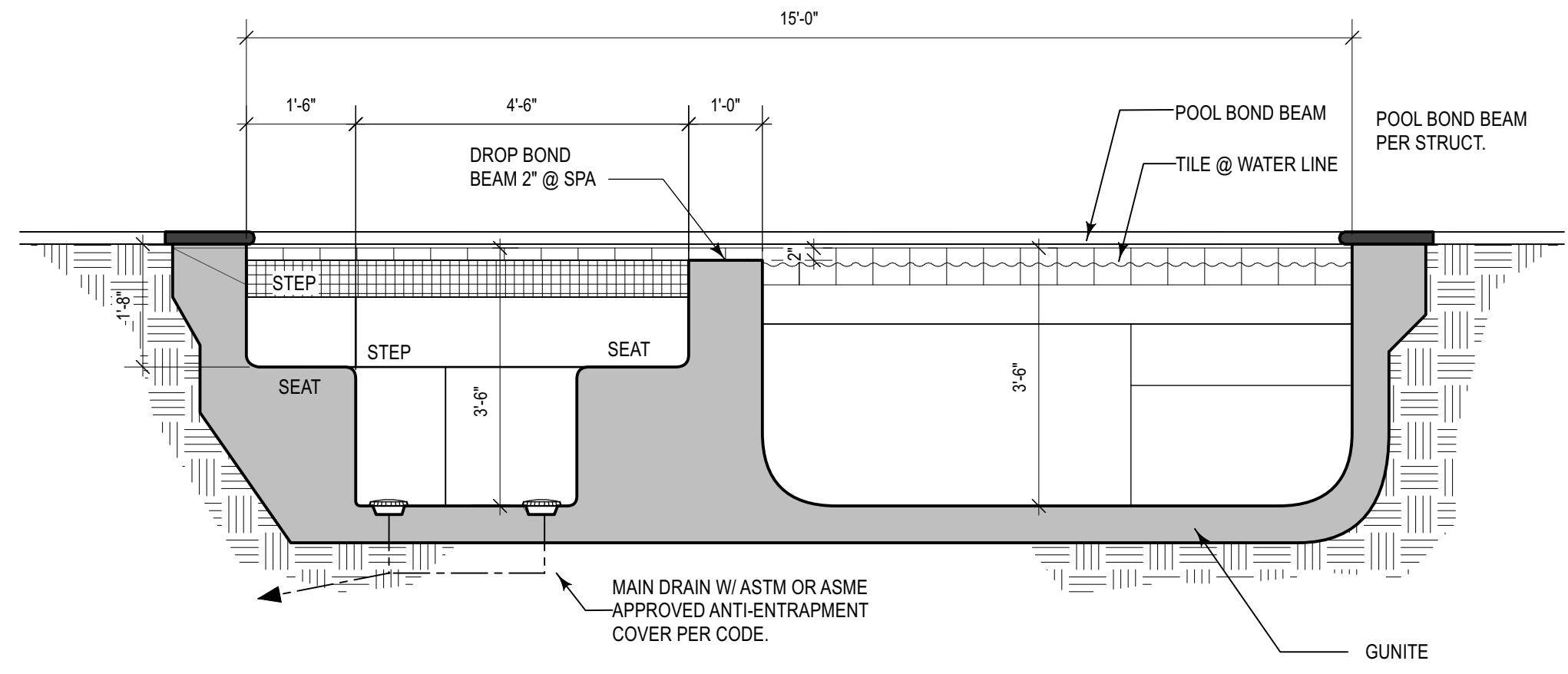
**C POOL COVER DETAIL**  
Scale: 1/2" = 1'-0"



**POOL PLANS & PLUMBING SCHEMATIC DIAGRAM**  
Scale: 1/2" = 1'-0"



**A LONGITUDINAL SECTION THRU POOL**  
Scale: 1/2" = 1'-0"



**B CROSS SECTION THRU POOL**  
Scale: 1/2" = 1'-0"

**ELEC. SYMBOLS LEGEND**

11		POOL LIGHT
12		JUNCTION BOX
E		ELEC. PANEL
\$		SWITCH
13		WATERPROOF, GROUND FAULT INTERCEPTOR DUPLEX OUTLET

**EQUIPMENT SCHEDULE**

1	MAIN OUTLET	(4) "AM. PROD." / ANTI-VORTEX
2	VACUUM FOOTING	IN SKIMMERS
3	RETURN INLET	(4) 1" ADJ. / (1) 1-1/4" ADJ.
4	SKIMMER	(3) PENTAIR / W / ADJ. SUCTION
5	RAW WATER INLET	W / ANTI-SYPHON VALVE
6	FILTER	PENTAIR CC-520
7	PUMP UNIT	PENTAIR "INTELLI-FLO" VARIABLE SPEED +
8	HEATER	PENTAIR MASTER TEMP 400 HD, LOW NOX.
9	DIVING BOARD	NONE
10	ELECTRONIC CONTROL	INTELLI-TOUCH "1 9"
11	POOL LIGHT	(3) "AM PROD." / 100 W
12	LIGHT JUNCTION BOX	AS INDICATED, 8" ABOVE WATER
13	LIGHT SWITCH	LOCATION DETERMINED BY OWNER
14	TIME CLOCK	INTELLI-TOUCH "1 9"
15	TILE	SELECTED BY OWNER
16	DEPTH MARKERS	
17	HANDRAIL	
18	LADDER / STEP OUT	STEPS PER PLAN
19	THERAPY JETS	(6) 1" TYP.
20	POOL-MISER	
21	CHLORINATOR	
22	SAFETY ANCHORS	
23	COPING	PER OWNER
24	AIR BLOWER	
25	POOL COVER	SOLAR BLANKET COVERSTAR "ECLIPSE", ASTM F1346-91

**GENERAL NOTES**

<b>POOL</b>	SIZE: 15'-0" X 30'-0"	AREA: 408 SF
	DEPTH: 7'-0" max. to waterline	PERIMETER: 90 LF
	SHAPE: Rectangular	VOLUME: 15,036 GAL
<b>SPA</b>	SIZE: 6'-0" X 7'-0"	AREA: 42 SF
	DEPTH: 3'-6" max. to waterline	PERIMETER: 27 LF
	SHAPE: Square	VOLUME: 673 GAL

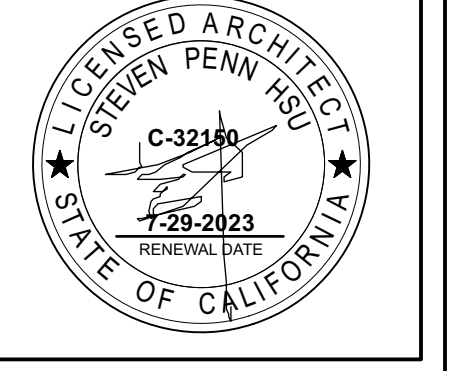
**B** ACCESS TO POOL- best way  
**C** DECKING OR PATIO- per architectural  
**D** DECK ELEVATION- per architectural  
**E** SOIL CLASS- per soils report  
**F** OWNER TO APPROVE LOCATION & ELEVATION  
**G** DISPOSITION OF EARTH- leave on site  
**H** SITE PREPARATION- minor  
**I** POOL AREA TO BE FENCED PER LOCAL ORDINANCE. ALL DOORS AND GATES TO BE SELF CLOSING AND LATCHING. POOL TO BE COMPLETELY FENCED PRIOR TO FILLING  
**J** NO SURFACE WATER SHALL DRAIN INTO POOL  
**K** NATURAL GAS SUPPLY: METER  

Low pressure natural gas & propane gas pipe size.				
heater size	pipe size			
impute BTU	0-50'	50'-100'	100'-200'	200'-300'
100,000	3/4"	3/4"	1"	1-1/4"
200,000	1-1/4"	1-1/4"	1-1/2"	1-1/2"
300,000	1-1/4"	1-1/4"	1-1/2"	1-1/2"
400,000	1-1/4"	1-1/2"	1-1/2"	1-1/2"

**L** ELECTRICAL WORK BY: pool contractor  
**M** PLUMBING: see plan

REVISION:  
 PLANNING INCOMPLETE LETTER 06/03/24

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 SANTA BARBARA, CA 93105

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 PROPOSED NEW POOL AND SPA  
 3991 LA COLINA DR,  
 SANTA BARBARA, CA 93110

SHEET TITLE:

POOL PLAN & SECTION

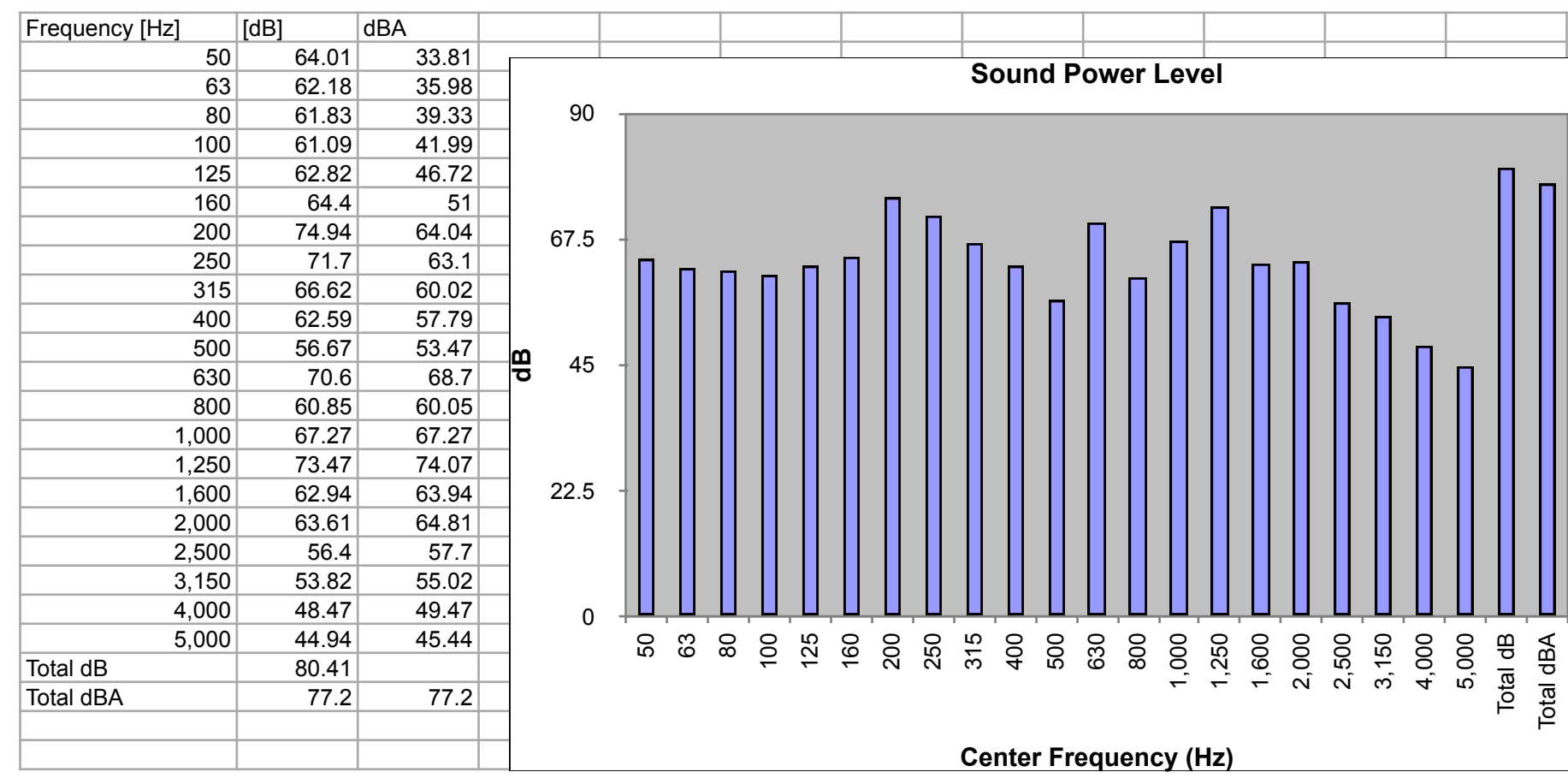
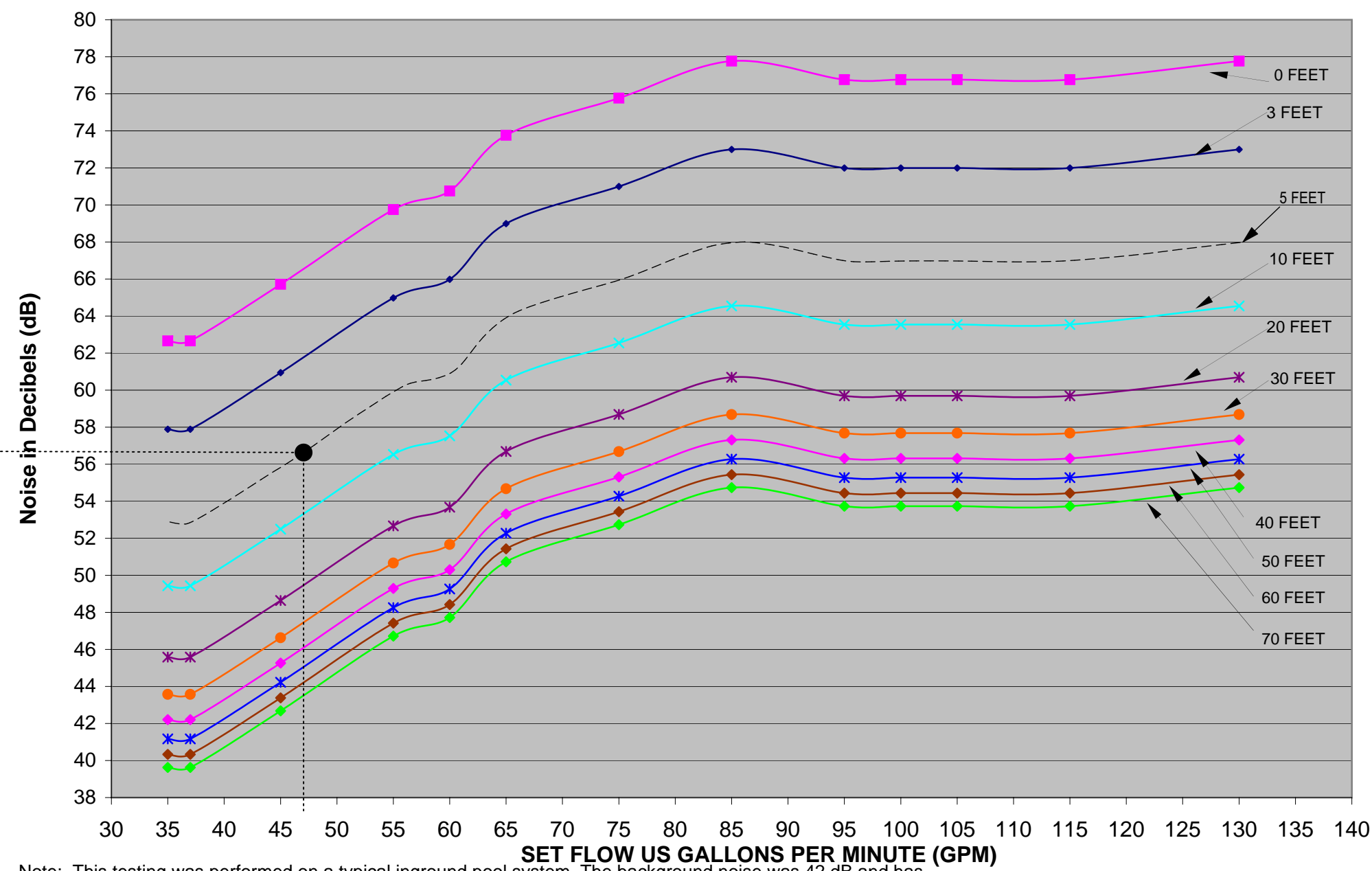
Date: 9/28/23

SHEET:

**PL-2**



### INTELLIFLO SET FLOW NOISE DISTANCE FROM PUMP




### POOL AND SPA HEATING SYSTEMS

CEC-CF2R-PLB-03-E

#### E. Pool System Piping (Section 150.0(p)2)

Field	Field Name
01	The suction side pipe is straight for at least 4 pipe diameters before entering the pump (See table below for the required straight run lengths for various pipe sizes).
02	All elbows are sweep elbows, or an elbow type that has a pressure drop that is less than the pressure drop of a straight pipe with a length of 30 pipe diameters.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

#### F. Pool Filters and Valves (Section 150.0(p)3 and 4)

Field	Field Name
01	If a filter is used in a pool intended for public use: The size of the filter is at least the size specified in NSF/ANSI 50.
02	If a backwash valve is used: The diameter of the backwash valve is at least 2 inches, or the diameter of the return pipe, whichever is greater.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

Table C Pool sizing (Values are based on a maximum allowable turnover rate of 6- hours) Note: For pumps greater than 1 hp. The maximum Pump Flow is the lowest speed default filtration					
Max Pool Volume (gallons)	Min Pipe D or Greater (inches)		Min Filter Area or more (square feet)		Max Pump Flow (gpm)
	Return	Suction	Cartridge	Sand / DE	
13,000	1.5	1.5	100	2.4	20
17,000	1.5	2	130	3.1	25
21,000	2	2	160	3.9	30
28,000	2	2.5	210	5.2	40
42,000	2.5	3	320	7.8	60
48,000	3	3	360	8.9	70

Table D Pipe Diameter/Pipe Length	
Pipe Diameter (inch)	Required Pipe Length leading into pump (inch)
1.5	6
2	8
2.5	10
3	12

Registration Number: CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Registration Date/Time: January 2022  
 HERS Provider: CA Building Energy Efficiency Standards - 2022 Residential Compliance



### POOL AND SPA HEATING SYSTEMS

CEC-CF2R-PLB-03-E

#### Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steven Penn Hsu	Documentation Author Signature: 
Company: SPHARCHITECTS	Signature Date: 09/28/2023
Address: 1507 CALLENS RD.	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VENTURA CA. 93003	Phone: (805) 415-0910

#### Responsible Person's Declaration Statement

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

- 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.
- 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 understand 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, and I will take the necessary steps to ensure this requirement is accomplished.
- 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, and I will take the necessary steps to ensure this requirement is accomplished.

Responsible Designer Name: Greg Faulkner	Responsible Designer Signature: 
Company: Perfect Pools	Date Signed: 09/28/2023
Address: 208 Calle Manzanita	License: C53-933765
City/State/Zip: Santa Barbara, CA 93105	Phone: 805-896-6886

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

Registration Number: CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Registration Date/Time: January 2022  
 HERS Provider: CA Building Energy Efficiency Standards - 2022 Residential Compliance



### POOL AND SPA HEATING SYSTEMS

CEC-CF2R-PLB-03-E

#### CERTIFICATE OF INSTALLATION

Note: This table completed by HERS Registry.

Field Name	Entry	Field Name	Entry
Project Name:	LAI POOL	Enforcement Agency:	CITY OF S. B.
Dwelling Address:	3991 LA COLINA DR.	Permit Number:	
City and Zip Code:	SANTA BARBARA, CA 93110	Permit Application Date:	09/27/2023

#### A. Pool and Spa System Type

Field	Field Name	Data Entry
01	Pool and Spa System Type	

#### B. Pool and Spa Systems and Equipment Requirements (Section 110.4(a) and 110.5)

Field	Field Name
01	A pool or spa heating system or equipment subject to State or federal appliance efficiency standards, that show compliance with applicable standards, and are listed in the Commission's directory of certified equipment.
02	A readily accessible on-off switch is mounted on the outside of the heater, which allows the heater to be shut off without the user adjusting the thermostat setting.
03	A weatherproof plate or card containing instructions for the energy-efficient operation of the pool or spa heater is permanently mounted.
04	No electric resistance heating except for listed package units that have fully insulated enclosures and tight fitting covers that are insulated to at least R-6. Or if documentation is provided that at least 60% of the annual heating energy is from site solar energy or recovered energy.
05	Heating system has no pilot light.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

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

Field	Field Name
01	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-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.
04	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.

Registration Number: CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Registration Date/Time: January 2022  
 HERS Provider: CA Building Energy Efficiency Standards - 2022 Residential Compliance



### POOL AND SPA HEATING SYSTEMS

CEC-CF2R-PLB-03-E

#### D. Pool Pump Sizing and Flow Rate Specification(Section 150.0(p))

Field	Field Name		
01	The pool pump that subject to State or federal appliance efficiency standards is listed in the CEC's directory of certified equipment.		
02	The pool pump flow rate shall not exceed the maximum pump flow rate calculated based on pool sizing in the table below. The return pipe diameter, suction pipe diameter, and filter area shall be at least as large as the required minimums shown in the table. Alternatively, a flow calculation or flow test result shall be provided to demonstrate that the pump flow rate is less than 6 hour filtration turnover, and the return pipe flow rate does not exceed 8 fps and that the suction pipe flow rate does not exceed 6 fps.		
03	An alternative compliance calculation or a flow test result is provided for this pool or spa use (must attach flow calculation or flow test result to this form)	Yes	No
04	The pump is capable of operating at 2 or more speeds (not applicable if pump is less than 1 horsepower).		
05	Each auxiliary pool load is served by either a separate pump, or the system is served by a multi-speed pump.		

06	Volume of Pool (gallons)	15,709 GAL
07	Filter Type (Cartridge, Sand, DE)	CARTRIDGE

08a Required Min Return Pipe Diameter (inches)	08b Required Min Suction Pipe Diameter (inches)	08c Required Min Filter Area (ft <sup>2</sup> )	08d Required Max Pump Flow (gpm)
1.5	2	130	47

09	Return Pipe Diameter (inches)	1.5
10	Suction Pipe Diameter (inches)	2
11	Filter Surface Area (ft <sup>2</sup> )	130
12	Max Pump Flow Rate (gpm)	47
13	Measured Flow Rate Return Line (fps)	
14	Measured Flow Rate Suction Line (fps)	
15	Compliance Statement:	

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

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REVISION:

PLANNING INCOMPLETE LETTER 06/03/24

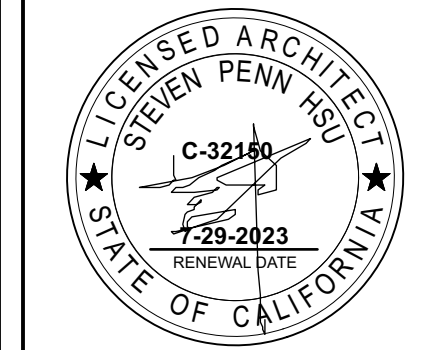
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SANTA BARBARA, CA 93105

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3991 LA COLINA DR.  
SANTA BARBARA, CA 93110

SHEET TITLE:

ENERGY FORMS

Date: 9/28/23

SHEET:

**PL-3**

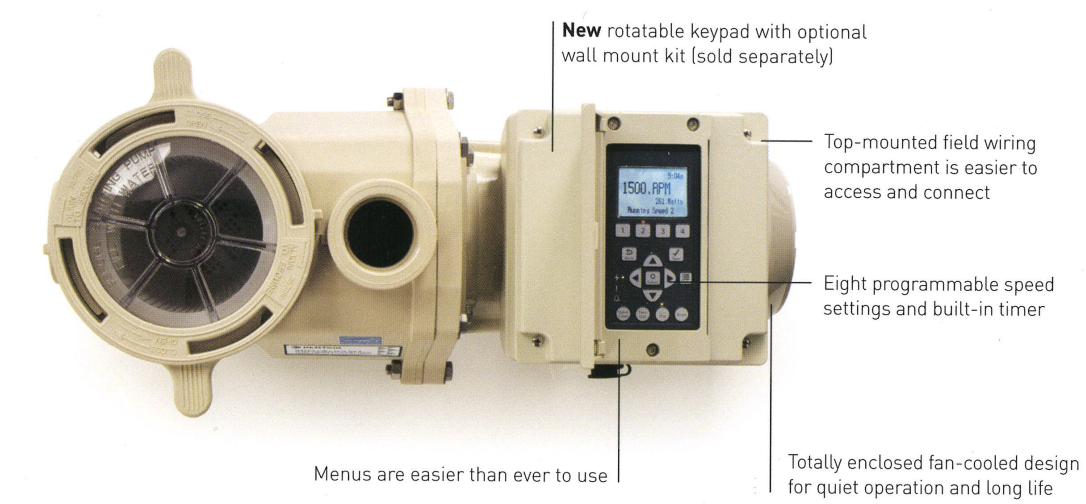
**Whisper-quiet operation,  
easy to own and so  
much more.**

INNOVATION GOES INTO EVERY INTELLIFLO 2 VST FOR EFFICIENCY, ENERGY SAVINGS AND UNIVERSAL APPEAL.

Quiet means you enjoy a more relaxing, satisfying pool and spa experience, because the IntelliFlo 2 VST pump is the quietest pump on the planet. Its permanent magnet motor virtually eliminates unpleasant, high-pitched noise. And with its totally enclosed fan-cooled (TEFC) design, you might not even know it's operating at low speeds.

 Built-in diagnostics protect the pump for longer service life.

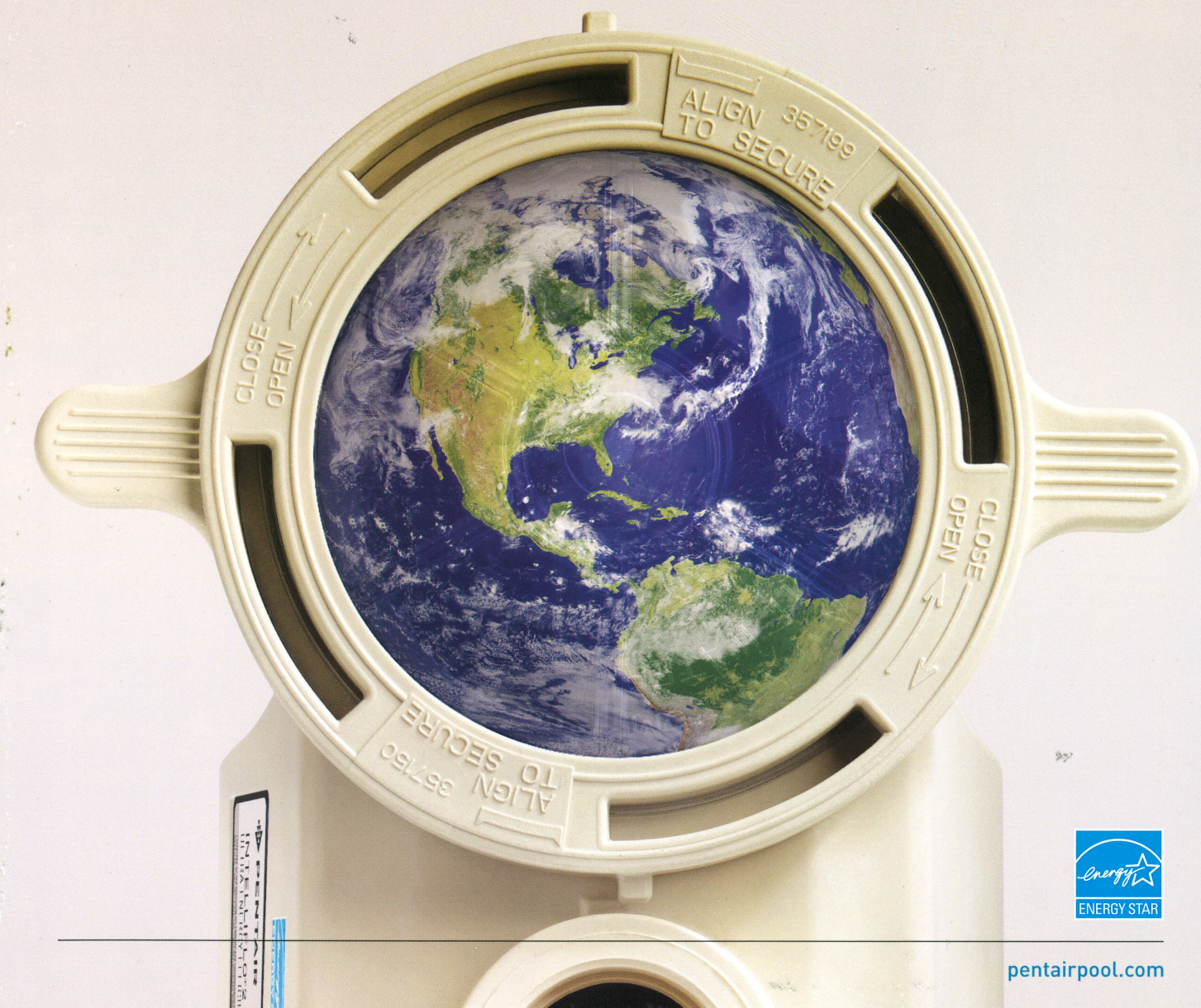
**10+**  
Only brand with over 10 years of field-proven reliability.












INTELLIFLO® 2 VST

**INTELLIFLO® 2 VST**  
VARIABLE SPEED PUMP

MORE POOLS. MORE SAVINGS. WORLDWIDE.



**How quiet is the IntelliFlo® 2 VST Pump?**  
So quiet you might not even know it's operating.

								
Lawnmower	Alarm clock	Vacuum cleaner	Car traffic	Single-speed pump	Dishwasher	Moderate rainfall	IntelliFlo pump	Library
104 dB	70 dB	70 dB	70 dB	67 dB	60 dB	50 dB	45 dB	30 dB



**TRADEGRADE**  
BY PENTAIR

The new IntelliFlo® 2 VST Pump is part of the TradeGrade family of products—exclusively made for and sold by the world's most demanding pool professionals.

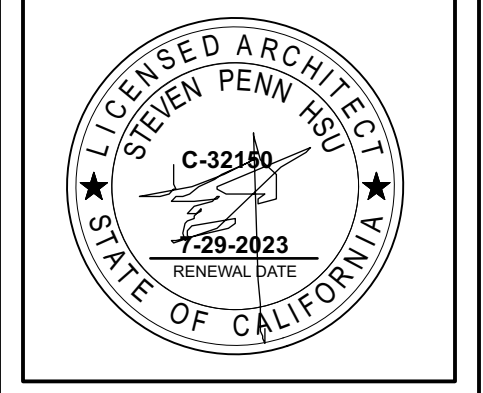


**POTENTIAL SAVINGS WITH AN INTELLIFLO 2 VST PUMP**

Energy cost per kilowatt hour (kWh)	Estimated IntelliFlo 2 VST pump savings per year*	Estimated IntelliFlo 2 VST pump savings after five years*
\$0.16	up to \$1,500	up to \$7,500
\$0.20	up to \$1,800	up to \$9,000
\$0.30	up to \$2,700	up to \$13,500

REVISION :  
PLANNING INCOMPLETE LETTER 06/03/24

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SANTA BARBARA, CA 93110

SHEET TITLE :

EQUIPMENT  
SPECS

Date: 9/28/23

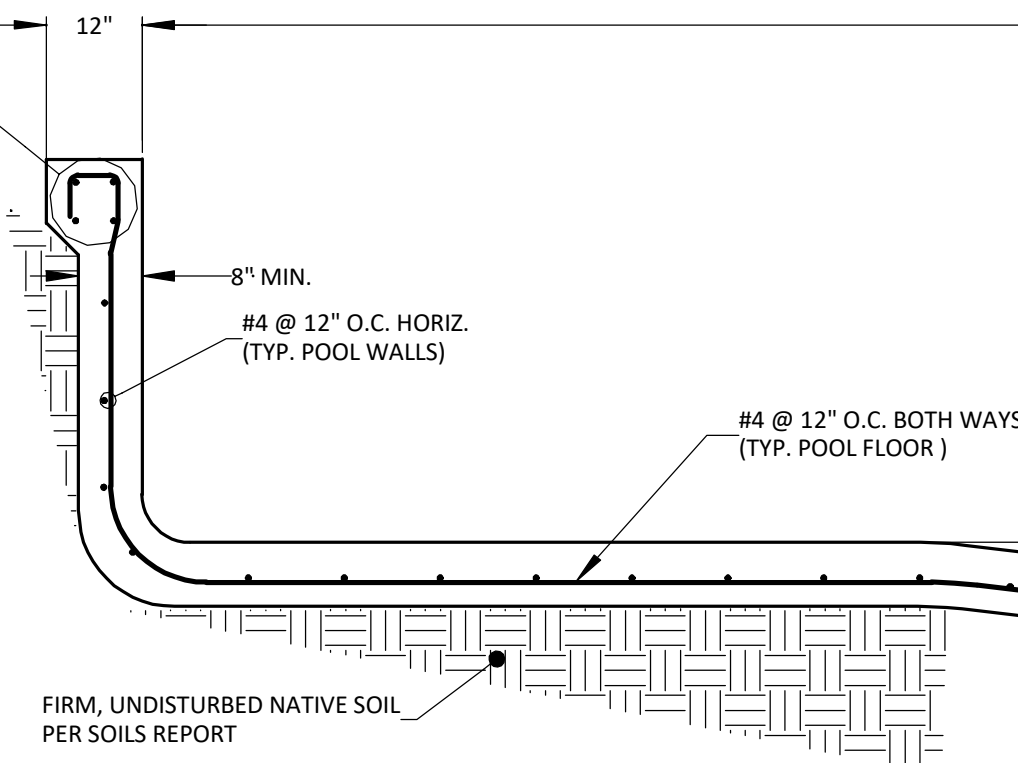
SHEET :

**PL-4**

NOTE: THIS IS A "STANDARD PLAN". VERIFY FINISH DIMENSIONS AND LAYOUT WITH ARCHITECT AND PROJECT OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION PER THIS PLAN.

**NOTE:**  
**"FREESTANDING" PER THIS PLAN REFERS TO THE CONDITION OF DERIVING NO LATERAL SUPPORT FROM SURROUNDING SOILS. FREESTANDING STRUCTURAL SECTIONS PER THESE PLANS SHALL BE USED ADJACENT TO DESCENDING SLOPES, WHEN CALLED FOR BY SOILS REPORT, AND/OR AS DIRECTED BY CIVIL ENGINEER. FOR POOL WALLS THAT ARE OUT-OF-GRADE, CONTACT ENGINEER FOR APPROPRIATE STRUCTURAL SECTIONS.**

(4) #4 CONT. BOND BEAM (EXPANSIVE SOIL)  
 (TYP. POOL WALLS <math>\leq 40'</math> STRAIGHT RUN)  
 ADD (1) #4 BAR TO BOND BEAM FOR EVERY 5' OVER 40'  
 NOTE: OKAY TO SUBSTITUTE (2) #5 FOR EVERY (3) #4 BARS TO MINIMIZE TOTAL NUMBER OF BOND BEAM BARS

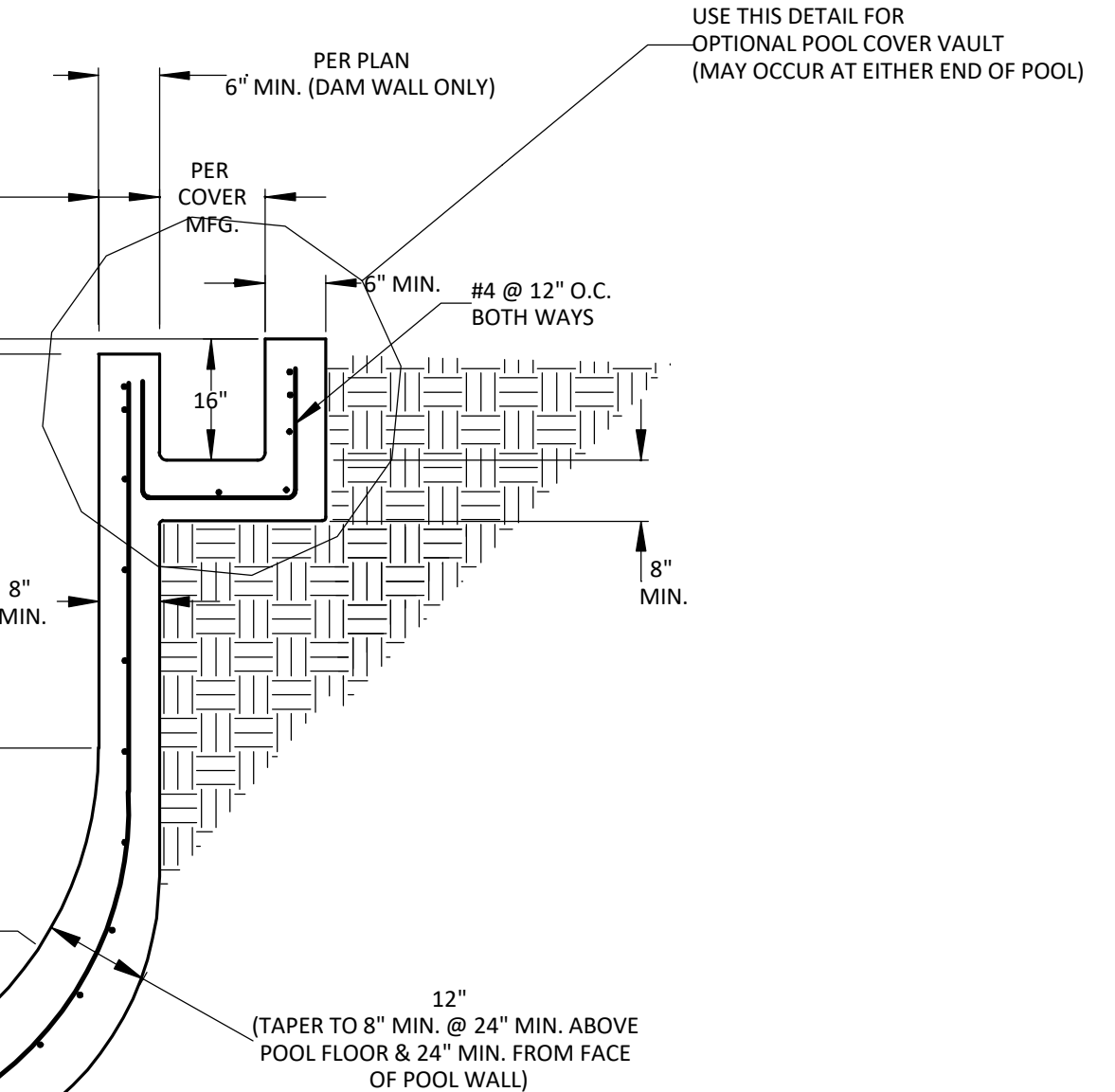


TYPICAL SHALLOW END

SEE POOL CONTRACTOR'S PLAN (70' MAX. ALLOWED)  
 SEE POOL CONTRACTOR'S PLAN (TYPICALLY 3'-6" OR 3'-9")  
 SEE CONTRACTOR'S PLAN FOR STEP AND BENCH LAYOUT  
 SEE SPA DETAIL, THIS SHEET, FOR STEP AND BENCH REINFORCEMENT

EXTEND WALL REINFORCEMENT  
 EQUAL DISTANCE INTO FLOOR

#4 @ 12" O.C. VERT., CENTERED UPPER 4'-3" OF POOL WALL (UP TO 4' WATER DEPTH)  
 #4 @ 3" O.C. VERT., CENTERED (OR) #4 @ 6" O.C. VERT., CENTERED FROM 4'-3" DEPTH TO 6'-3" DEPTH (UP TO 6' WATER DEPTH)  
 #5 @ 6" O.C. VERT., CENTERED (OR) #4 @ 3" O.C. CENTERED FROM 6'-3" TO 8'-3" MAX. (8'-0" MAX. WATER DEPTH)



TYPICAL DEEP END

- NOTES:**
- All construction per this plan shall comply with CBC/CRC 2022 and all other applicable current building codes and ordinances.
  - Contractor shall notify engineer of any apparent discrepancies in this plan prior to proceeding with construction.
  - A Building and/or Land Use Permit is typically required for construction per this plan. Michael J. Gerenser, Civil Engineer, assumes no liability for project unless any and all required Permits have not been obtained, and accompanying required inspections have been performed.
  - Plan is designed to be executed by a licensed Swimming Pool Contractor in good standing. Plan may not contain sufficient information for a General Contractor, Owner-Builder, or other persons to comply with all relevant codes and accepted swimming pool construction practices. Michael J. Gerenser, Civil Engineer, assumes no liability for project unless constructed by a licensed Swimming Pool Contractor.
  - It is recommended that a soils investigation be performed by a licensed geotechnical engineer and provided to this engineer prior to construction per this plan. Michael J. Gerenser, Civil Engineer, assumes no liability for site conditions discovered prior to or during excavation. Additional engineering, at additional cost, may be required depending on site conditions.
  - If expansive (clay) soils are present, the sides and bottom of excavation shall be moistened prior to placement of concrete. If expansive soils are present in the bottom of excavation, notify engineer prior to placement of reinforcement.
  - Concrete is to be placed in contact with firm, undisturbed native soil, or certified compacted fill.
  - All pneumatically placed concrete shall be shotcrete, proportioned and placed per IBC section 1913 and ACI 506, with a 28 day minimum compressive strength of 3000 psi. Continuous inspection by a registered deputy inspector is required during placement of all concrete.
  - Steel reinforcement shall be grade 40 complying with ASTM A615 standards.
  - All lap splices in reinforcement shall be 24" minimum for #3 & #4 bars, 36" for #5 bars. Splices in adjacent bars shall be staggered.
  - All bond beam reinforcement shall be continuous, and shall wrap around all corners of pool and/or spa. Bend bars behind and under skimmer boxes.
  - Dimensions noted on plans as "clear" ("clr.") are to be taken as exact, not minimum.
  - Unless otherwise noted, all reinforcement is to be placed 3" clear of grade.
  - Notify engineer in the event that sufficient groundwater is encountered to cause ponding in the excavated pool bottom.
  - No surcharges are allowed for construction per this plan. Potential surcharges include: footings adjacent to pool wall, if a line drawn at 1:1 extending downward from the bottom of the footing toe towards the pool wall intersects the pool at any point; ascending slopes greater than 5:1 adjacent to the pool; vehicular travel or parking within a distance from the pool equal to the height of the pool wall in that area.
  - All electrical equipment shall be properly grounded per CEC article 680.
  - All pools shall be provided with either a hydrostatic relief valve, or a sub-drain to daylight.
  - Plan is applicable for active earth pressures up to 100 PCF.

**MANDATORY DROWNING PREVENTION SAFETY MEASURES:**  
 Effective January 1, 2020, when a building permit is issued for the construction of a new swimming pool or spa or the remodeling of an existing swimming pool or spa at a private single-family home, the respective swimming pool or spa shall be equipped with at least TWO of the following seven drowning prevention safety features:

- An enclosure that shall have all of the following characteristics and isolates the swimming pool or spa from the private single-family home:
  - Any access gates through the enclosure open away from the swimming pool, and are self-closing with a self-latching device placed no lower than 60 inches above the ground.
  - A minimum height of 60 inches.
  - A maximum vertical clearance from the ground to the bottom of the enclosure of two inches.
  - Gaps or voids, if any, do not allow passage of a sphere equal to or greater than four inches in diameter.
  - An outside surface free of protrusions, cavities, or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of five years to climb over, OR
- Removable mesh fencing that meets American Society for Testing and Materials (ASTM) Specifications F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device, OR
- An approved safety pool cover, defined as a manually or power-operated safety pool cover that meets all of the performance standards of the American Society for Testing and Materials (ASTM), in compliance with standard F1346-91, OR
- Exit alarms on the private single-family home's doors 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 on 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 the ASTM or the American Society of Mechanical Engineers (ASME).

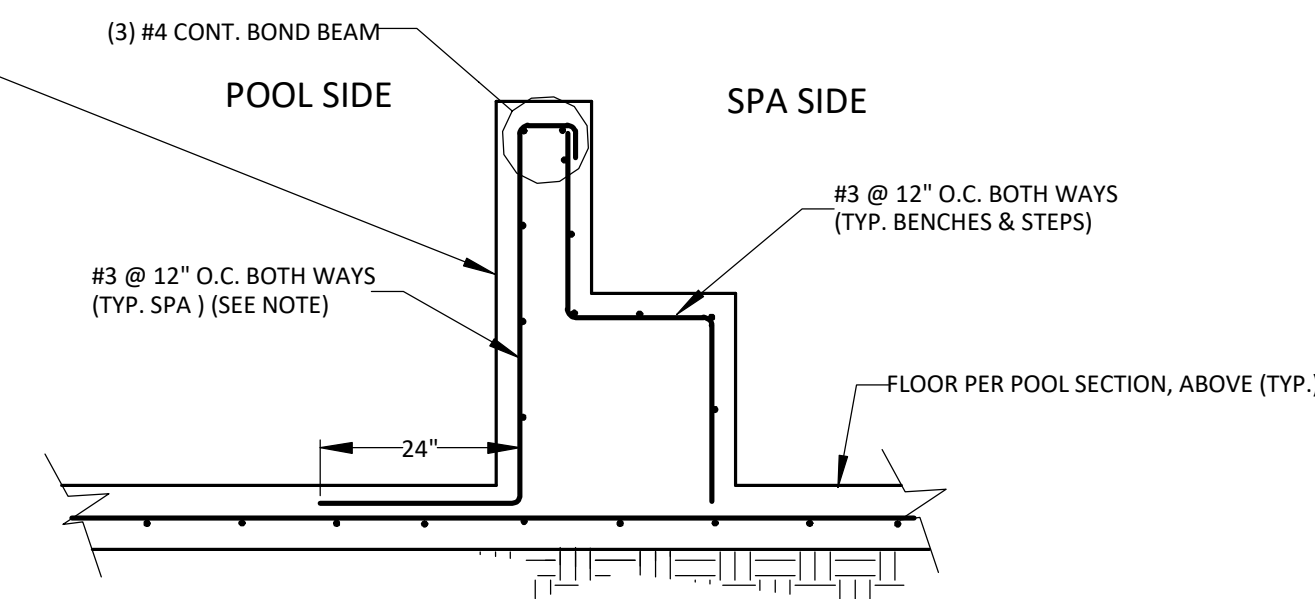
Where new fencing is required because of a pool or spa installation, the permit for that fencing shall be obtained prior to, or concurrently with, the building permit for the pool. No water shall be placed in any pool or spa prior to the installation of safeguards specified herein and the approval of all associated work. The protective fencing enclosure is required around the entire pool, built-in spa, or yard as described above.

**EXCEPTIONS:** Hot tubs or spas with locking safety covers that comply with the American Society for Testing and Materials (ASTM F1346) shall be exempt from these requirements.

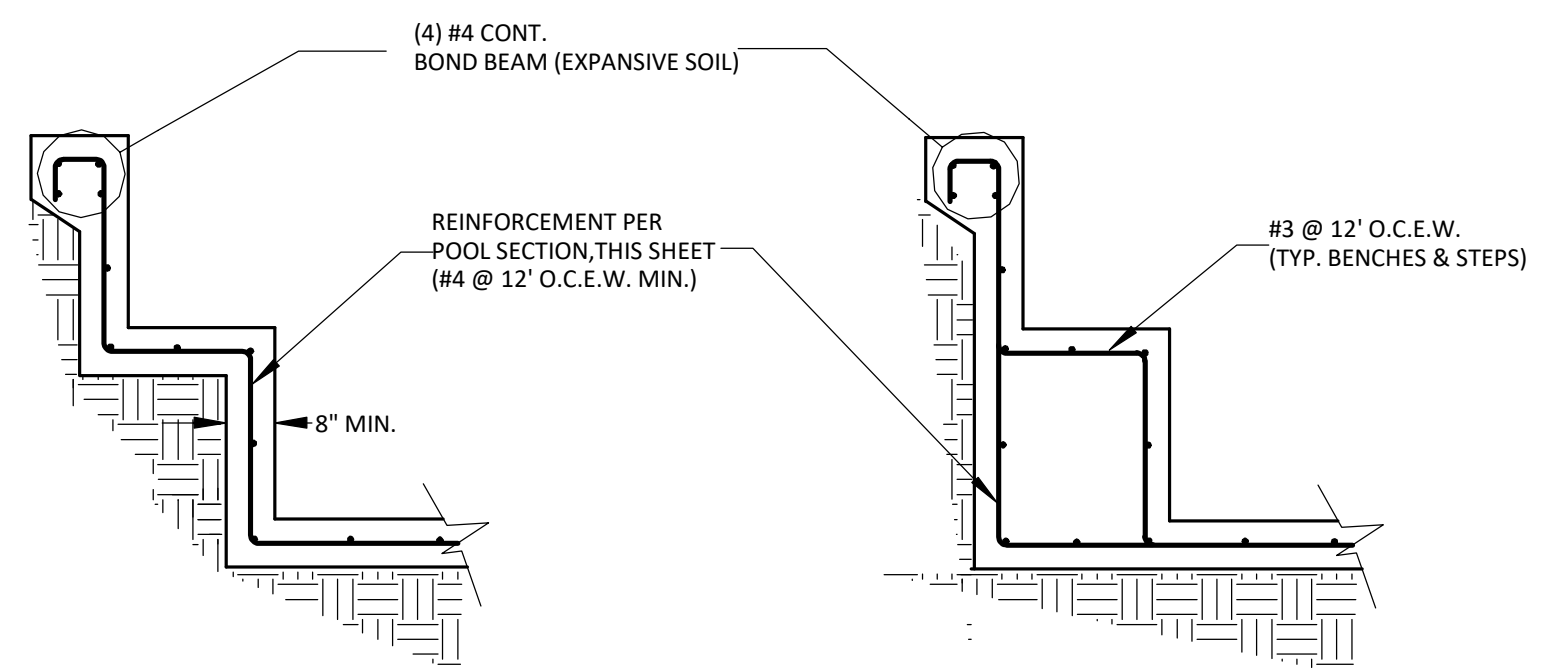
CBC TABLE 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS		
VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		X
2. Verify excavations are extended to proper depth and have reached proper material.		X
3. Perform classification and testing of compacted fill.		X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		X



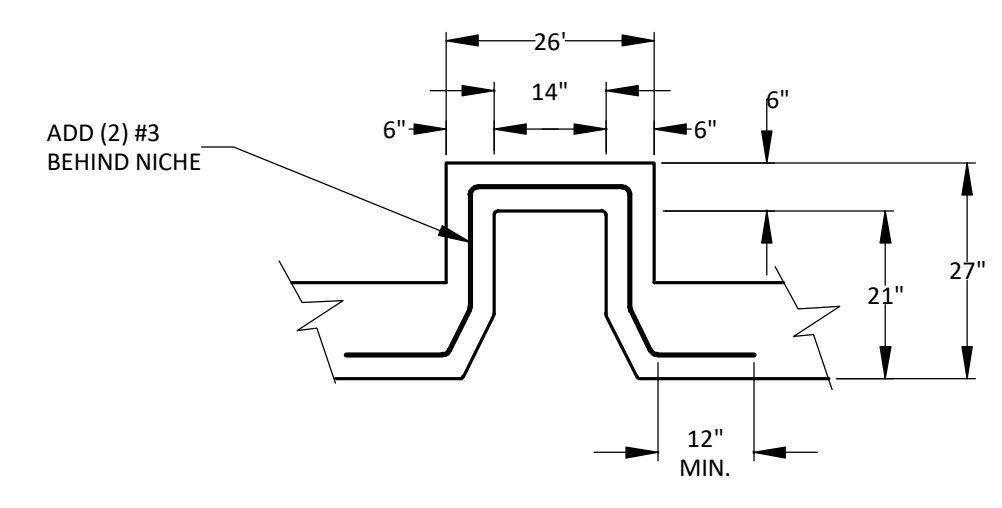
NOTE: IF SPA FLOOR IS RAISED RELATIVE TO POOL FLOOR, SEE POOL STRUCTURAL SECTION, ABOVE, AND SELECT REINFORCEMENT SCHEDULE CORRESPONDING TO TOTAL HEIGHT OF POOL/SPA WALL.



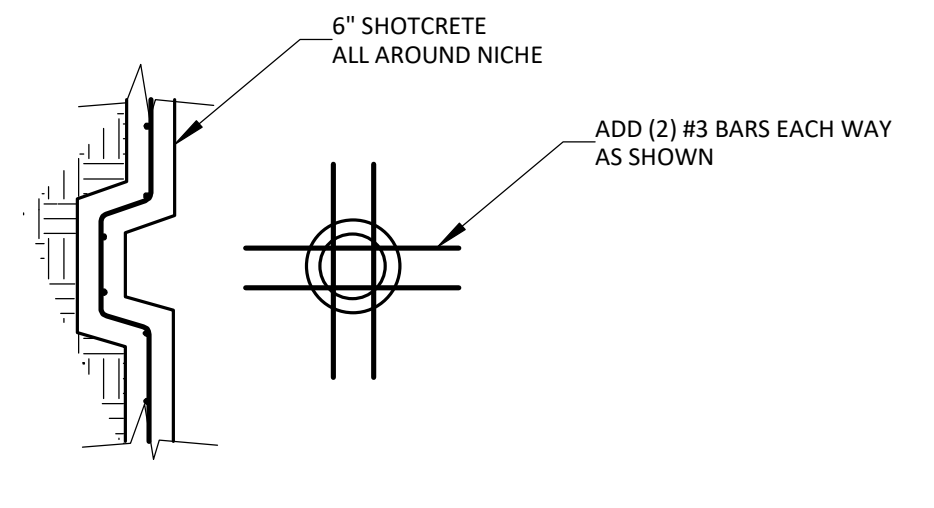
SPA DAM WALL STRUCTURAL SECTION  
 SCALE: 1/2" = 1' - 0"



OPTION "A" OPTION "B"  
 STEP OR BENCH DETAIL  
 SCALE: 1/2" = 1' - 0"



SKIMMER NICHE  
 N.T.S.



LIGHT NICHE  
 N.T.S.

**STRUCTURAL OBSERVATIONS:**

Michael J. Gerenser, project engineer, shall be notified 48 hours prior to:

- Completion of excavation for pool and/or spa.  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 (Note: Not required if observed by Geotechnical Engineer of record.)
- Completion of placement of steel reinforcement.  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 (Note: Engineer's signature indicates substantial conformance with approved plan, and approval for placement of shotcrete.)

**STANDARD STRUCTURAL PLAN FOR SWIMMING POOL & SPA CONSTRUCTION**  
 THE LAI RESIDENCE  
 3991 LA COLINA ROAD  
 SANTA BARBARA, CALIFORNIA

SCALE: AS SHOWN DRAWN BY: MJG  
 DATE: August 1, 2008 REVISED: 10/5/23

**MICHAEL J. GERENSER, CIVIL ENGINEER**  
 5255 Calle Cristobal, Santa Barbara, CA 93111 • (805) 681-9500 office • mjgerenser@gmail.com

SHEET 1 OF 1 SHEETS DRAWING NUMBER: S-1



1. DRIVEWAY / NORTH ELEVATION - FACING SOUTH

## **SITE PHOTOS**

### **LAI / WOOLLEY RESIDENCE - POOL**

3991 LA COLINA, SANTA BARBARA, CA 93110  
APN # 057-221-031



LA COLINA ROAD



AERIAL VIEW OF PROPERTY



ADJACENT RESIDENCE

**MAIN RESIDENCE**



**2** LOOKING IN DRIVEWAY FROM LA COLINA ROAD  
- FACING SOUTH



**3** NORTH SIDE OF HOUSE FROM IN DRIVEWAY  
- FACING WEST



**4** LOOKING OUT DRIVEWAY TOWARDS LA COLINA ROAD  
- FACING NORTH



**5** FRONT YARD FENCE/GATE  
- FACING SOUTH



**6** FRONT GATE & PROPOSED POOL AREA BEHIND  
- FACING SOUTH



**7** SIDE OF HOUSE FROM POOL AREA  
- FACING EAST



**8** PROPOSED POOL AREA /BACK YARD  
-FACING SOUTH



**9** WEST AND SOUTH ELEVATION OF HOUSE  
- FACING EAST



**10** CORNER OF YARD  
- FACING SOUTH EAST

APPROX POOL EQUIPMENT LOCATION DRAWN IN-  
SEE SITE PLAN FOR DETAILS. ADJACENT  
PROPERTIES VIEW BLOCKED BY (E) FENCING  
ALONG BOTH PROPERTY LINES



**11** YARD AREA INSIDE FRONT FENCE. (ADJACENT RESIDENCE BEHIND)  
PHOTO FACING WEST / NORTHWEST



12

EAST SIDE OF HOUSE LOOKING BACK OUT DRIVEWAY  
- FACING NORTH



13

SIDE CORNER OF YARD AND PROPOSED POOL AREA  
- FACING SOUTH WEST



**DS1** (E) SIDE ELEVATION FACING NORTH



**DS2** (E) SIDE ELEVATION GARAGE - FACING NORTH



**DS3** (E) REAR ELEVATION - FACING NORTH

EXISTING DOWNSPOUTS, DRAINED TO LANDSCAPING AND MAINTAINED PER SBMC 22.87.030