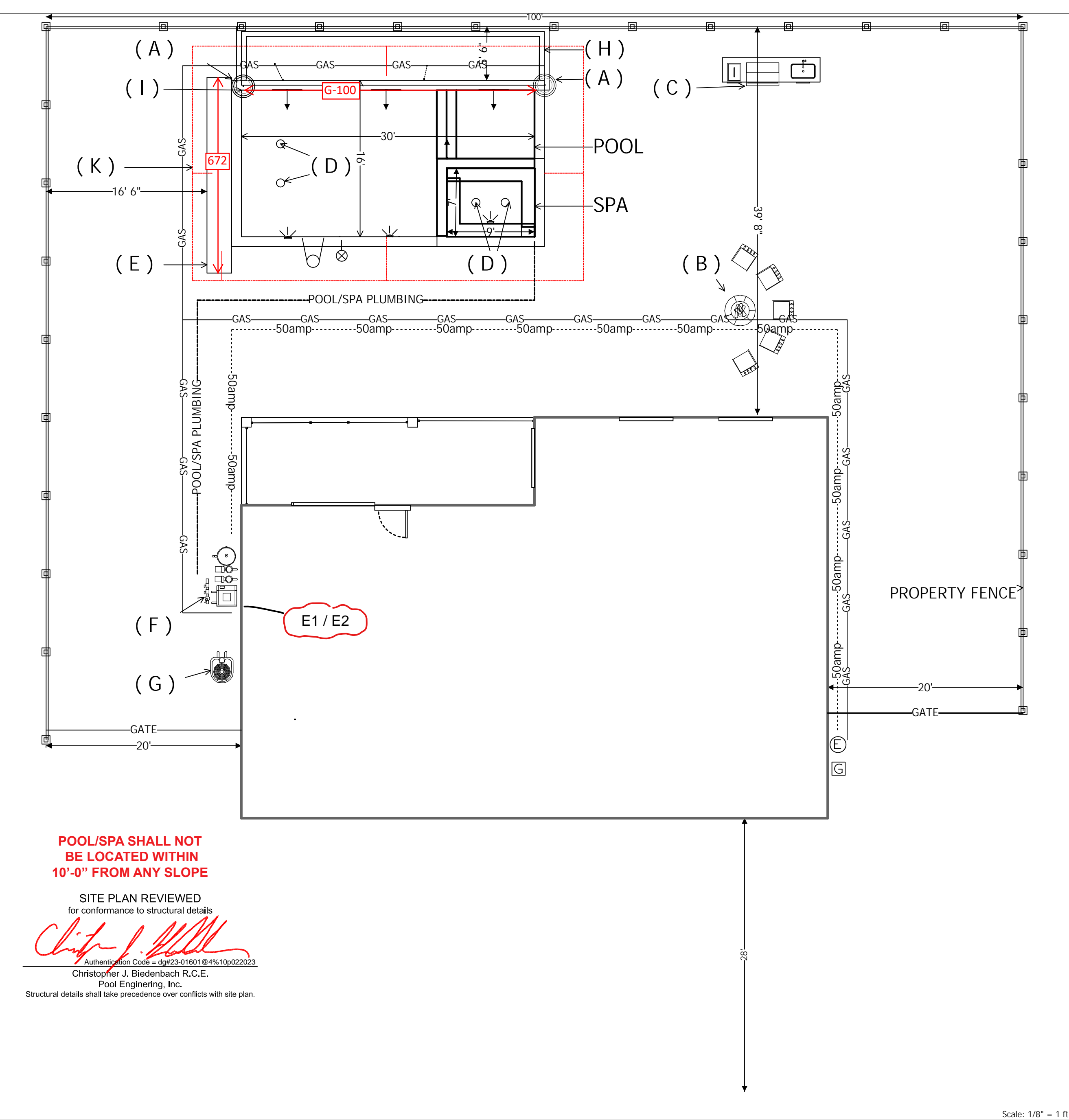


DOCKETED

| | |
|-------------------------|---|
| Docket Number: | 12-HERS-01 |
| Project Title: | Informational Proceeding for the California Home Energy Rating Systems (HERS) Program |
| TN #: | 251480-1 |
| Document Title: | Plot plan |
| Description: | Pool/plot plan |
| Filer: | ANGEL OLIVERA |
| Organization: | Olivera Pools |
| Submitter Role: | Applicant Representative |
| Submission Date: | 8/3/2023 3:18:52 PM |
| Docketed Date: | 8/3/2023 |



- SKIMMER
- POOL AUTO FILLER
- POOL LIGHT
- (A) WATER/FIRE BOWLS
- (B) GAS VALVE FOR FUTURE FIREPIT
- (C) GAS VALVE FOR FUTURE BBQ
- (D) POOL/ SPA MAIN DRAIN 3FT APART
- (E) POOL COVER VAULT
- (F) POOL EQUIPMENT
- (G) EXISTING AC UNIT
- (H) PLANTER BOX
- (I) POOL RAISED BEAM
- (K) 4-POINT BONDING LOOP
- (K) #8 AWG BARE WIRE
- (F) ANTI SYPHON VALVE FILL LINE
- 1.25" ELECTRICAL CONDUIT
- 2" POLYETHYLENE PIPE GAS LINE

E1 / E2 GFCI WEATHER PROOF TAMPER-RESISTANT OUTLET

CSLB: 1091433
SOUTH BAY POOLS
PABLO ESPINOZA
pH: 408-759-2237
EMAIL: PABLO@SBPOOLS.NET
ADDRESS: 2400 DRYDEN AVE GILROY, CA 95020

MORENO RESIDENCE
251 SCARLETT WAY HOLLISTER, CA 95037
pH: 408-639-0307
EMAIL: DMORENO@HOWELLELECTRIC.COM

REVISIONS:
1. **6-6-2023**
2. _____
3. _____

SCOPE OF WORK: CONSTRUCTION OF INGROUND SWIMMING POOL (480SQ.FT) SPA (63 SQ.FT) RAISED POOL BEAM 18" WITH AUTOMATIC SAFETY POOL COVER. SAFETY COVER SHALL COMPLY WITH ASTM STANDARD F1246-96.

1. POOL CONSTRUCTION SHALL COMPLY WITH LATEST ADOPTED CODES 2022 CALIFORNIA BUILDING CODES, CRC, CMC, CALGreen, CPC, CFC, CEBC, CRSC, CALIFORNIA ADMINISTRATIVE CODES, CALIFORNIA ELECTRICAL CODES, OR CALIFORNIA ENERGY CODES.
2. ALL BARRIER FENCES TO BE MINIMUM 60" IN HEIGHT AND ALL GATES TO OPEN OUTWARD EQUIPPED WITH SELF CLOSING AND SELF LATCHING MECHANISM, A MAXIMUM VERTICAL CLEARANCE FROM THE GROUND TO THE BOTTOM OF 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. A OUTSIDE SURFACE FREE OF PROTRUSIONS, CAVITIES OR THER PHYSICAL CHARACTERISTICS THAT WOULD SERVE AS HANDHOLDS OR FOOTHOLDS THAT COULD ENABLE A CHILD BELOW THE AGE OF FIVE TO CLIMB OVER.
3. ALL EXITS LEADING TO POOL AREA TO BE EQUIPPED WITH APPROVED EXIT ALARMS ON DOORS, THAT CREATE A SOUND CONTINUOUSLY .
4. FLOATING ALARM ON POOL AND SPA WATER SURFACE COMPLIANT WITH ASTM-F2208.
5. REMOVABLE MESH FENCING THAT MEETS ASTM SPECIFICATIONS F2286 STANDARDS IN CONJUNCTION WITH A GATE THAT IS SELF CLOSING AND SELF LATCHING AND CAN ACCOMMODATE A KEY LOCKABLE DEVISE.
6. PROVIDE GFCI PROTECTED OUTLET 6' MINIMUM 20' MAX FROM POOL WALL.
7. ALL SUCTION INLETS PER PUMP SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ANSI APS7 AND CONFORM TO CDC 3109.5. INSTALL DUAL DRAINS SPACED A MINIMUM 3' CENTER TO CENTER AND WITH ANTI VORTEX COVERS SPECIFIED IN ANSI.APSP-16.
8. 4-POINT BONDING TO POOL STRUCTURE UNIFORMLY SPACED AROUND POOL PERIMETER.
9. POOL EQUIPMENT SHALL BE SEISMICALLY ANCHORED AND BONDED.
10. CERTIFICATION BY MANUFACTURE ANY POOL/SPA HEATING SYSTEM OR EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURE HAS CERTIFIED THAT THE SYSTEM OR EQUIPMENT HAS ALL OF THE FOLLOWING.- A THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATION. -ON/OFF SIWTHC ACCESSIBLE/VISIVLE ON/OFF SIWTHC MOUNTED OUTSIDE OF THE UNIT.

- A PERMANENT EASILY READANLE AND WEATHER PROOF PLATE OR CARD THAT GIVES INSTRUCTION FOR THE ENERGY EFFICIENT OPERATION OF THE POOL/SPA HEATER .
- A COVER FOR POOL/SPA EQUIPPED WITH GAS, DIESEL, OR ELECTRIC HEATER.
- TIME CLOCKS MUST BE INSTALLED ON CIRCULATION PUMP TO BE SET THE MINIMUM TIME NECESSARY TO MAINTAIN THE WATER IN A CLEAN AND SANITARY CONDITION.
- AT;EAST 36" OF PIPING SHALL BE INSTALLED BETWEEN FILTER AND HEATER FOR FUTURE USE OF SOLAR INSTALLATION.
- 11. POOLS MUST BE EQUIPPED WITH DIRECTIONAL INLETS WHICH ADEQUATELY MIXES THE POOL WATER.
- 12. AN APPROVED SAFETY POOL COVER THAT MEETS ASTM STANDARD F1246-96.

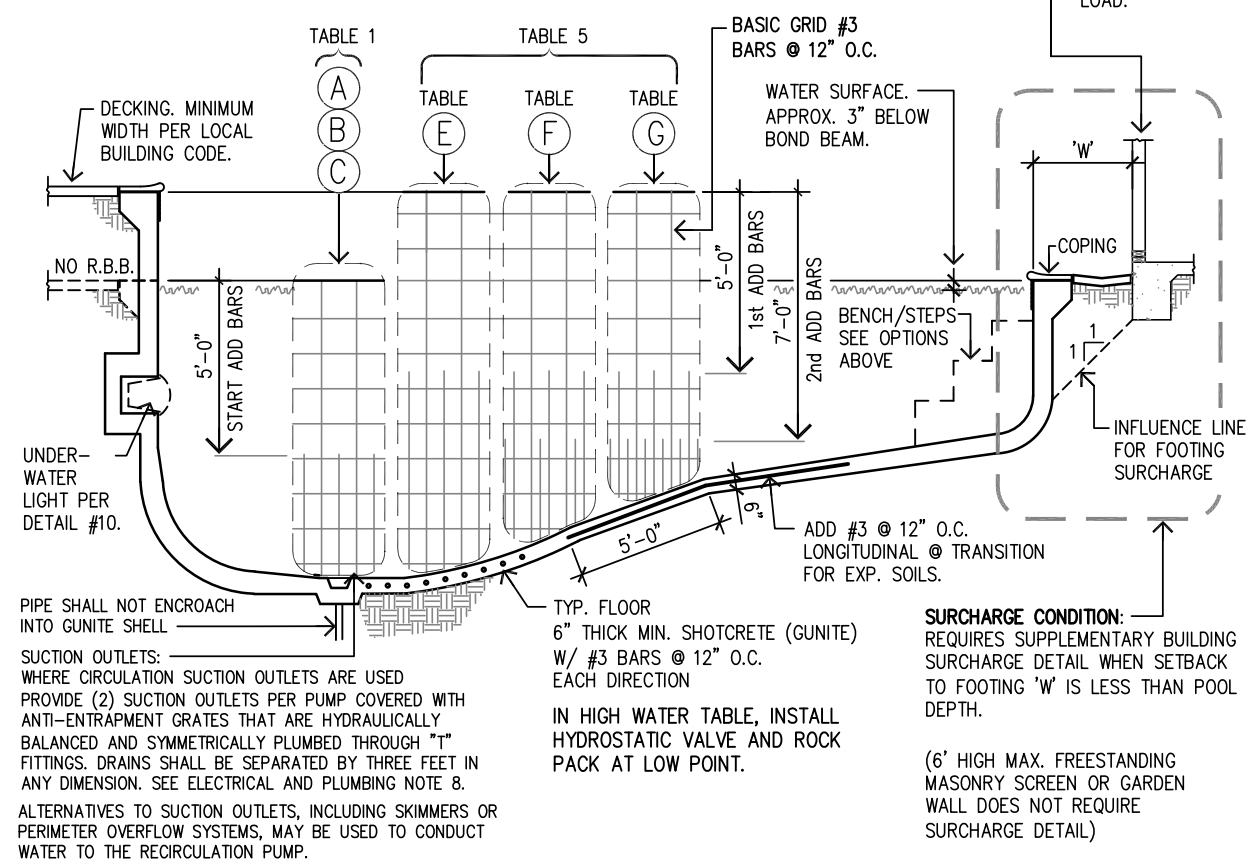
LS1. THE SWIMMING POOL/SPA SHALL EITHER HAVE AT LEAST TWO CIRCULATION SUCTION OUTLETS PER PUMP THAT SHALL BE HYDRAULICALLY BALANCED AND SYMMETRICALLY PLUMBED THROUJH ONE OR MORE "T" FITTINGS, AND THAT ARE SEPARATED BY A DISTANCE OF AT LEAST THREE FEET IN ANY DIMENSION BETWEEN THE SUCTION OUTLETS, OR BE DESIGNED TO USE ALTERNATIVES TO SUCTION OUTLETS, INCLUDING, BUT NOT LIMITED TO, SKIMMERS OR PERIMETER OBERFLOW SYSTEMS TO CONDUCT WATER TO THE RECIRCULATION PUMP.

LS1.. THE CIRCULATION SYSTEM SHALL HAVE THE CAPACITY TO PROVIDE A COMPLETE TURNOVER OF POOL WATER, AS PSPECIFIED IN SUCTION 3124B OF CHAPTER 31B OF THE CALIFORNIA BUILDING STANDARD CODE. B. SUCTION OUTLETS SHALL BE COVERED WITH ANTIENTRAPMENT GRATES, AS SPECIGFIED IN THE ANSI/ASPS-16PERFORMANCE STADARD OR SUCCESSOR STANDARD DESIGNATED BY THE FEDERAL CONSUMER PRODUCT SAFETY COMMISSION.

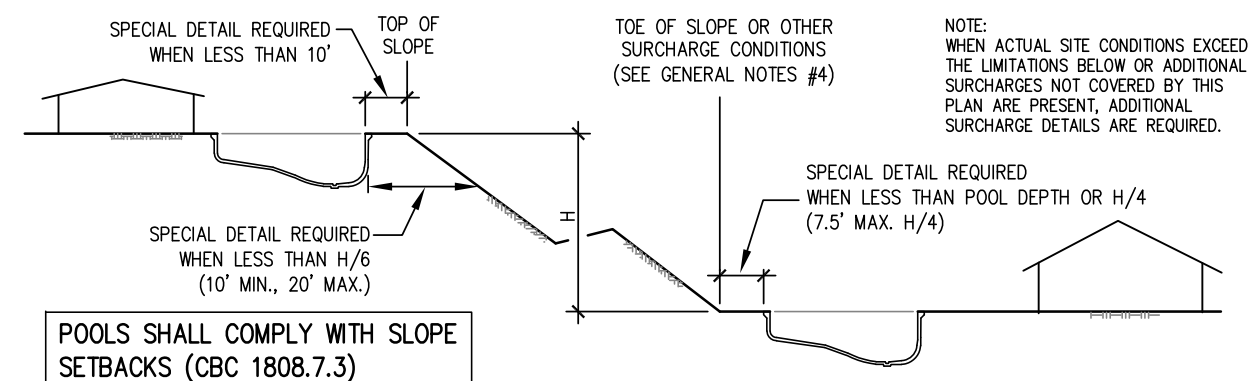
E1-3. . TAMPER-RESISTANT OUTLETS ARE REQUIRED AT ALL NEW CIRCUITS IN A DWELLING UNITE PER 2022 CEC ART.406.12.

EN3. A CERTIFICAGTION BY MANUFACTURERS ANY POOL OR SPA HEATING SYSTEM OR EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED THAT THE SYSTEM OR EQUIPMENT HASS ALL OF THE FOOLLOWING: EFFICIENCY , SUBJECT TO STATE OR FEDERAL APPLIANCE EFFICIENCY STANDARDS LISTING IN THE COMMISSIONS DIRECTORY OF CERTIFIED EQUIPMENT SHOWING COMPLIANCE WITH APPLICABLE STANDARDS AND ON-OFF SWITCH. A READILY ACCESSIBLE ON-OFF SIWTHC, MOUNTED ON THE OUTSIDE OF THE HEATER THAT ALLOWS SHUTTING OFF THE HEATER WITHOUT ADJUSTING THE THERMOSTAT SETTTING AND PERMANENT EASILYR EADABLE AND WEATHERPROOF PALTE OR CARD THAT GIVES INSTRUCTION FOR THE ENERGY EFFICIENT OPERATION OF THE POOL OR SPA HEATER AND FOR THE PROPER CARE OF TPOOL OR SPA WATER WHEN A COVER IS USED. NO ELECTRIC RESISTANCE HEATING. ATLEAST 36" OF PIPE SHALL BE INSTALLED BETWEEN THE FILTER AND THE HEATER OR DEDICATED SUCTION AND RETURN LINES OR BUILT IN OR BUILT UP CONNECTIONS HSALL BE INSTALLED TO ALLOW FOR THE FUTURE ADDITION OF SOLAR HEATING EQUIPMENT. A COVER FOR OUTDOOR POOLS OR SPAS THAT HAVE A HEAT PUMP OR GAS HEATER; AND DIRECTIONAL INLETS AND TIME SWITCHES FOR POOL; SHALL HAVE DIRECTIONAL INLETS THAT ADEQUATELY MIX THE POOL WATER AND A TIME SWITCH OR SIMILAR CONTROL MECHANISM SHALL BE INTALLED AS PART OF A POOL WATER CIRCULATION CONTROL SYSTEM THAT WILL ALLOW ALL PUMPS TO BE SET OR PROGRAMMED TO RUN ONLY DURING OFF PEAK ELECTRIC DEMAND PERIOD AND FOR THE MINIMUM TIME NECESSARY TO MAINTAIN THE WATER INT HE CONDITION REQUIRED BY APPLICABLE PUBLIC HEALTH STANDARDS.

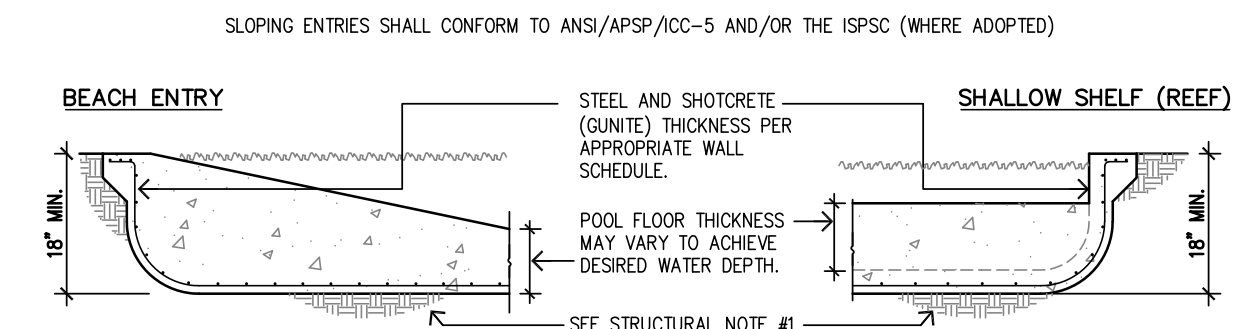
1. UNDISTURBED EARTH MAY BE LEFT IN PLACE TO FORM THE STEPS OR BENCHES. REINFORCING STEEL SHOULD BE PLACED AROUND THE STEP OR BENCH SHAPED EARTH (3" CLEAR FROM EARTH).
2. THE EARTH MAY BE REMOVED AND BENCHES AND STEPS MAY BE FORMED OF SHOTCRETE (GUNITE) WITHIN THE STRUCTURAL POOL SHELL. REINFORCING AT THE SURFACE OF THE BENCHES AND STEPS IS OPTIONAL.



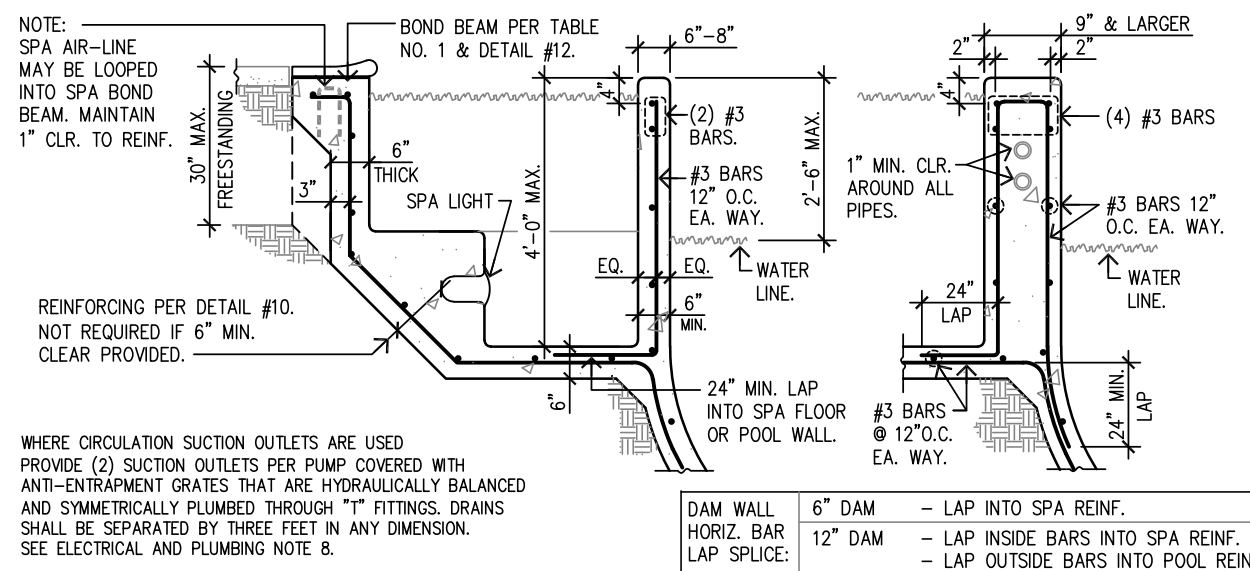
N.T.S.



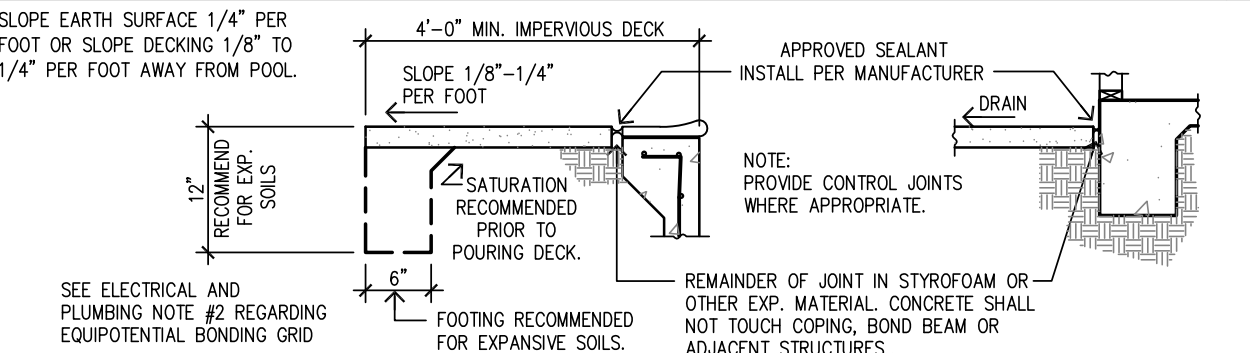
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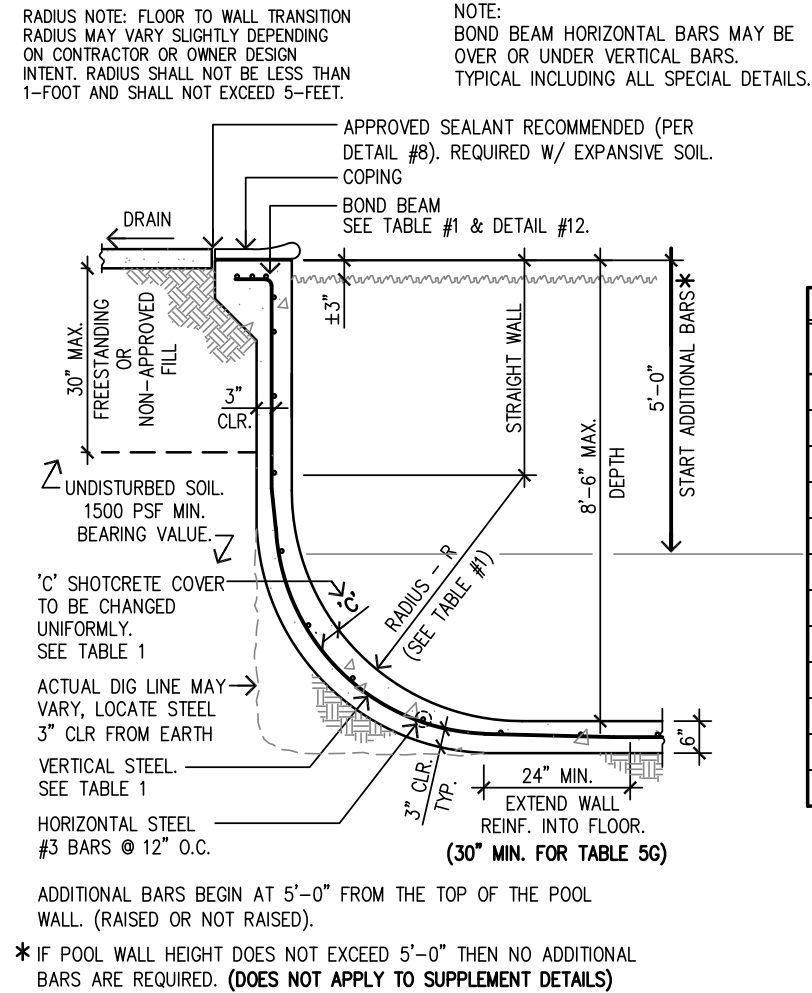
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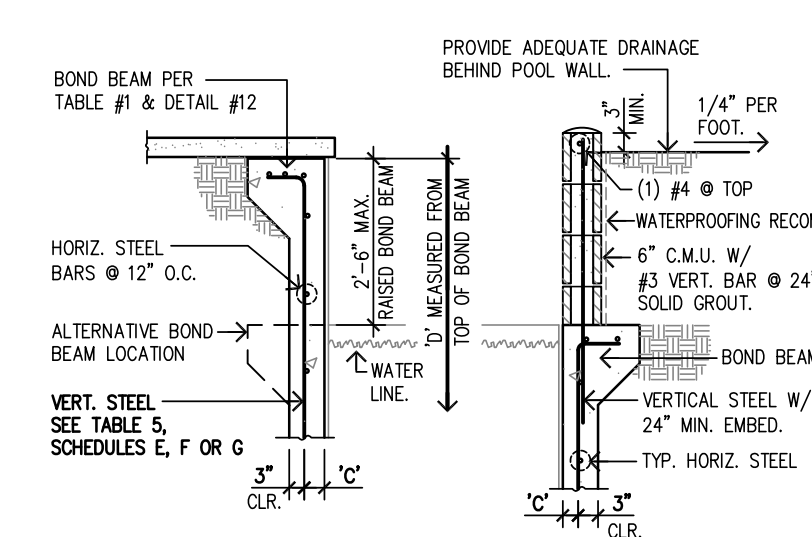
N.T.S.



N.T.S.



N.T.S.



1. CONCRETE BLOCK SHALL BE NORMAL WEIGHT UNITS (135 PCF), CONFORMING TO CBC/IBC SEC. 2103, AND ASTM C 90. ALL CONCRETE BLOCK SHALL HAVE A DESIGN STRENGTH OF $f_m = 2000$ psi.
2. GROUT SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 476 WITH $f_c = 2,000$ PSI.
3. MORTAR SHALL BE TYPE M WITH $f_c = 2500$ psi AND SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 270.

N.T.S.

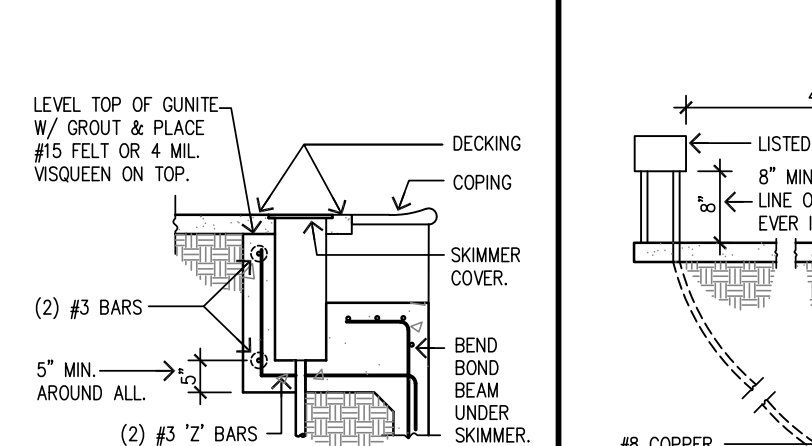


Diagram illustrating the plan view of a pool skimmer. The skimmer is shown as a rectangular structure with a circular opening in the center. The dimensions and construction details are as follows:

- 24" MIN. LAP**: Minimum lap dimension for the coping.
- (2) #3 BARS**: Two #3 bars are shown around the niche.
- 3" CLR. TYPICAL**: Typical clearance dimension.
- 5" MIN. TYPICAL**: Minimum typical dimension.
- POOL**: The pool area is indicated by a dashed line and an arrow.

PLAN AT SKIMMER

SECTION AT LIGHT N.T.S.

PREPARED IN ACCORDANCE WITH
THE 2022 CALIFORNIA BUILDING CODE
(2021 INTERNATIONAL BUILDING CODE)

| | | NON-EXPANSIVE | | EXPANSIVE | | NO DECK/HIGH EXP. | |
|--------|-------|---------------|-------------------|--------------|-------------------|-------------------|-------------------|
| | | A | | B | | C | |
| | | | | | | | |
| | | (3) #3 BARS. | | (4) #3 BARS. | | (4) #3 BARS. | |
| E.F.P. | | 30 P.C.F. | | 45 P.C.F. | | 65 P.C.F. | |
| D | R | C | VERTICAL STEEL | C | VERTICAL STEEL | C | VERTICAL STEEL |
| 3'0" | 1'-0" | 3" | #3 @ 2" | 3' | #3 @ 2" | 3" | #3 @ 12" |
| 3'6" | 1'-0" | 3" | #3 @ 2" | 3' | #3 @ 2" | 3" | #3 @ 12" |
| 4'0" | 1'-0" | 3" | #3 @ 2" | 3' | #3 @ 2" | 4" | #3 @ 12" |
| 4'6" | 1'-0" | 3" | #3 @ 2" | 3' | #3 @ 2" | 5" | #3 @ 12" |
| 5'0" | 1'-6" | 3" | #3 @ 2" | 3' | #3 @ 2" | 5" | #3 @ 6" |
| 5'6" | 3'-0" | 3" | #3 @ 2" | 4' | #3 @ 2" | 5" | #3 @ 6" |
| 6'0" | 2'-6" | 3" | #3 @ 2" | 4' | #3 @ 2" | 6" | #3 @ 6" |
| 6'6" | 3'-0" | 3" | #3 @ 2" | 4' | #3 @ 2" | 7" | #3 @ 6" |
| 7'0" | 3'-6" | 3" | #3 @ 2" | 5' | #3 @ 2" | 8" | #3 @ 6" |
| 7'6" | 4'-0" | 3" | #3 @ 2" | 5' | #3 @ 2" | 9" | #3 @ 6" |
| 8'0" | 4'-6" | 3" | #3 @ 2" | 6" | #3 @ 2" | 10" | #3 @ 6" |
| 8'6" | 5'-0" | 3" | #3 @ 2" | 6" | #3 @ 2" | 10" | #3 @ 6" |

ITEM NOT
APPLICABLE

ITEM NOT
APPLICABLE

POOL ENGINEERING, INC.

POOL ENGINEERING, INC.

INDICATES TYPICAL RADIUS (ACTUAL RADIUS MAY VARY, SEE RADIUS NOTE AT TOP)

NO DECK OR HIGH EXPANSIVE SOIL

'D' IS DISTANCE DOWN FROM TOP OF POOL WALL.

ND BEAM

| NON-EXPANSIVE | | | EXPANSIVE | | | NO DECK/HIGH EXP. | | |
|---------------|----|----------------|-----------|----------------|---------|-------------------|--|--|
| E | | | F | | | G | | |
| E.F.P. | 30 | P.C.F. | 45 | P.C.F. | 65 | P.C.F. | | |
| D | C | VERTICAL STEEL | C | VERTICAL STEEL | C | VERTICAL STEEL | | |
| 3'6" | 3" | #3 @ 12" | 3'6" | 3" | 3" | #3 @ 12" | | |
| 4'0" | 3" | | 4'0" | 3" | 4" | | | |
| 4'6" | 3" | | 4'6" | 3 1/2" | 5 1/2" | | | |
| 5'0" | 3" | #3 @ 6" | 5'0" | 6" | 5 1/2" | #3 @ 6" | | |
| 5'6" | 3" | | 5'6" | 6" | 6 1/2" | | | |
| 6'0" | 3" | | 6'0" | 6" | 7 1/2" | | | |
| 6'6" | 4" | | 6'6" | 6" | 8 1/2" | | | |
| 7'0" | 5" | | 7'0" | 6" @ 4" | 8 1/2" | #3 @ 3" | | |
| 7'6" | 5" | | 7'6" | 6" | 8 1/2" | | | |
| 8'0" | 6" | | 8'0" | 6" | 8 1/2" | | | |
| 8'6" | 6" | | 8'6" | 6" | 9 1/2" | | | |
| 9'0" | 9" | | 9'0" | 10" | 10 1/2" | | | |
| 9'6" | 9" | | 9'6" | 10" | 11 1/2" | | | |
| 10'0" | 9" | | 10'0" | 11" | 12 1/2" | | | |
| 11'0" | 9" | | 11'0" | 11" | 13" | | | |

1. THIS STANDARD POOL STRUCTURAL PLAN MUST BE ACCOMPANIED BY A CLEAR PLOT PLAN SHOWING POOL AND/OR SPA SHAPE, DEPTH, DISTANCE TO PROPERTY LINE, GRADE CHANGES & SLOPES AND ADJACENT STRUCTURES.
2. REPRESENTATIVES OF POOL ENGINEERING INC. HAVE NOT INSPECTED THE SITE & ARE PROVIDING INFORMATION TO THE OWNER. THE OWNER TO DETERMINE THE ADEQUACY OF THIS STANDARD POOL STRUCTURAL PLAN FOR THE ACTUAL SITE CONDITIONS. SHOULD SITE CONDITIONS VARY FROM THAT COVERED BY THIS STANDARD POOL STRUCTURAL PLAN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR THE OWNER TO OBTAIN THE NECESSARY INFORMATION AND/OR OBTAIN THE NECESSARY ENGINEERING DETAILS PRIOR TO CONSTRUCTION. EXPANSIVE SOIL DETAILS ARE VALID ONLY FOR STATED EQUIVALENT FLUID PRESSURES AND POOL ENGINEERING INC. RECOMMENDS THAT THE OWNER OR CONTRACTOR OBTAIN A SOILS REPORT.
3. POOL ENGINEERING INC. DOES NOT GUARANTEE THAT THE PROPERTY OWNER AND/OR POOL CONTRACTOR RETAIN A LICENSED GEOTECHNICAL CONSULTANT TO OBTAIN GEOTECHNICAL RELATED DESIGN CRITERIA FOR THE PROPOSED POOL SITE. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR POOL CONTRACTOR TO REQUIRE THAT THE LICENSED GEOTECHNICAL CONSULTANT CONFIRM THAT THE POOL STRUCTURAL PLAN PROVIDED IS APPROPRIATE FOR THE PROJECT. IF THE PROJECT DOES NOT HAVE A GEOTECHNICAL REPORT, WHEN A GEOTECHNICAL REPORT HAS NOT BEEN PROVIDED TO PEI, IT IS THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE SITE GEOTECHNICAL CONDITIONS ARE SUITABLE FOR CONSTRUCTION OF THE PROPOSED POOL.
4. THIS PLAN IS NOT VALID WITHOUT ADDITIONAL SURCHARGE DETAILS WHEN THE CONDITIONS AS SHOWN IN DETAIL #3 APPLY (PER CBC SECTION 1808.7.3). ALL POOLS SHALL COMPLY WITH SLOPE SETBACKS PER CBC SECTION 1808.7.3.
5. THE POOL STRUCTURAL PLAN IS LIMITED TO BE APPLICABLE TO NON-STRUCTURAL ITEMS INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, FINISHES, CONCRETE DECKING AND POOL GEOMETRICS.
6. DECKING CONSTRUCTION IS SHOWN AS RECOMMENDED MINIMUM CONSTRUCTION AND DOES NOT DEMONSTRATE A SYSTEM THAT WILL RESIST HEAVING DUE TO SOIL EXPANSION.
7. ALL CONSTRUCTION SHALL COMPLY WITH THE 2022 EDITIONS OF THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA ENERGY CODE, 2022 EDITION, AND ALL OTHER RELEVANT CALIFORNIA AND LOCAL ORDINANCES AND STANDARDS CODES AND LOCAL ORDINANCES.
8. POOLS WITH DIVING BOARDS SHALL MEET DIVING BOARD MANUFACTURER'S POOL GEOMETRIC STANDARDS AND/OR LOCAL CODES.
9. SIGNS & SAFETY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF RECREATION AND ASSISTIVE DEVICES FOR THE DISABLED.

GLAZING SHALL COMPLY WITH THE CBC SECTION 2406.4, INCLUDING LOCALLY ADOPTED AMENDMENTS.

1. 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.

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.
2. A LENGTH OF STRAIGHT PIPE GREATER THAN OR EQUAL TO 4 PIPE DIAMETERS SHALL BE INSTALLED BEFORE THE PUMP.
3. ALL ELBOWS SHALL BE SWEET ELBOWS.
4. MANDATORY REQUIREMENTS FOR POOL & SPA HEATING SYSTEMS & EQUIPMENT:
 - A) SYSTEM IS CERTIFIED WITH: THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS, readily ACCESSIBLE ON-OFF SWITCH, WET-PROOF OPERATING INSTRUCTIONS ON ENERGY EFFICIENT OPERATIONS, NO ELECTRIC RESISTANCE HEATING AND NO PLUG LIGHT.
 - B) SYSTEM IS INSTALLED WITH:
 - A) AT LEAST 36" PIPE BETWEEN FILTER & HEATER FOR FUTURE SOLAR HEATING.
 - B) COVER FOR OUTDOOR POOLS OR OUTDOOR SPA.
 - C) POOL SYSTEM HAS DIRECTLY TO THE INLETS & A CIRCULATION PUMP TIME SWITCH TO PERMIT FOR PEAK OPERATION.

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 3109.2 (HS CODE §§ 115920-115929), INCLUDING LOCALLY ADOPTED AMENDMENTS.

THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF FREMONT.

1. SEPARATE GRADING PERMIT IS REQUIRED FOR SWIMMING POOL INSTALLATION AT SLOPED SITE. GRADING PLAN SHALL BE PREPARED, STAMPED AND SIGNED BY A LICENSED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.

2. MINIMUM DISTANCE BETWEEN EXTERIOR WALL OF ADJACENT BUILDING & SWIMMING POOL SHALL BE 3'-0" WIDE WALKWAY PLUS THE WIDTH OF SWIMMING POOL BOND BEAM AND NO LESS THAN THE DEPTH OF THE POOL ADJACENT TO THE BUILDING. REFER TO STANDARD 3.0 FOR STRUCTURAL PLANS. DETAIL 100 SHALL APPLY.

3. FOR COMMERCIAL POOLS, HEALTH DEPARTMENT SUBMITTAL PLANS SHALL ACCOMPANY THIS STRUCTURAL PLAN INDICATING ALL REQUIREMENTS OF THE CBC AND COUNTY HEALTH DEPARTMENT FOR PUBLIC SWIMMING POOLS.

THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF ROCKLIN.

1. IN THE ABSENCE OF A SITE SPECIFIC SOILS INVESTIGATION, SWIMMING POOL AND SPA CONSTRUCTION SHALL CONFORM TO STANDARD POOL STRUCTURAL PLAN STEEL AND GUNITE SCHEDULES FOR HIGH EXPANSIVE SOIL WITH A MINIMUM SOIL EQUIVALENT FLUID PRESSURE OF 65 P.C.F. (SCHEDULES C AND G).
2. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR CERTIFIED FILL COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D1557.

THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF SAN JOSE.

1. ENGINEER TO SPECIFY TABLES AND DETAILS THAT APPLY TO A SPECIFIC JOB BY ONE OF THE FOLLOWING METHODS:

A. A SITE PLAN STAMPED AND SIGNED BY THE ENGINEER REFERRING TO THE APPROPRIATE DETAILS AND SCHEDULES.

B. A LETTER STAMPED AND SIGNED PROVIDING THE SAME INFORMATION.

C. STANDARD POOL PLAN NUMBER AND ADDRESS WRITTEN IN BY THE ENGINEER ALSO IDENTIFYING SCHEDULES AND DETAILS.

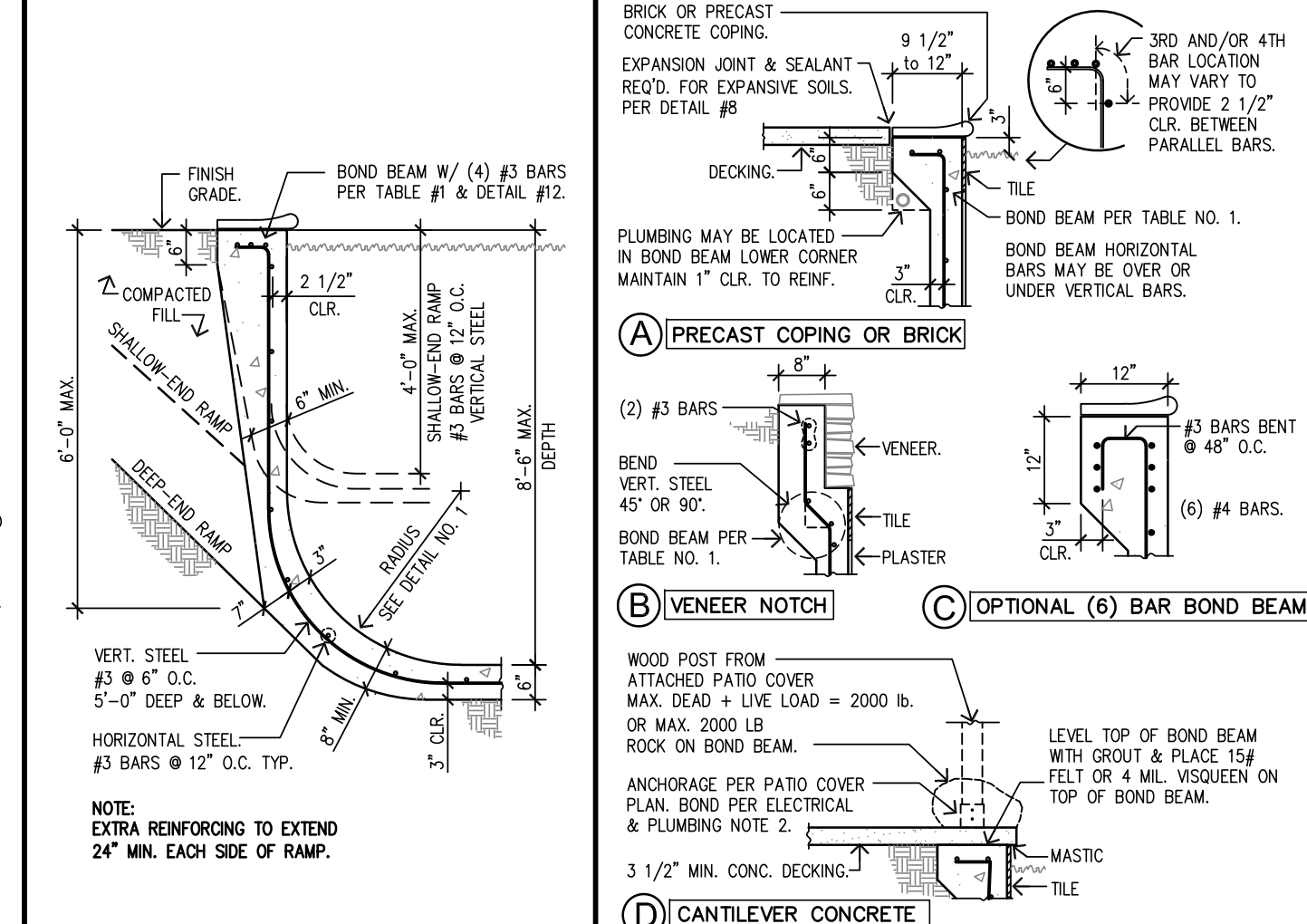
2. SWIMMING POOL AND SPA CONSTRUCTION SHALL CONFORM TO STANDARD POOL STRUCTURAL PLAN STEEL AND GUNITE SCHEDULES WITH A MINIMUM SOIL EQUIVALENT FLUID PRESSURE OF 4.5 P.S.F. FOR EXPANSIVE SOIL (UNITED SOIL CLASSIFICATIONS GW, GP, GM, SW, SP, SH, OR SE) AND AN EQUIVALENT FLUID PRESSURE OF 30 P.S.F. FOR NON-EXPANSIVE SOIL, MAY ONLY BE USED IF RECOMMENDED BY A SOILS ENGINEER.

3. OVER THE COURSE PERMITS ARE NOT POSSIBLE IN AREAS DESIGNATED AS "SPECIAL GEOLOGICAL HAZARD," THE MASTER PLAN MIGHT BE USEABLE BASED ON THE FINDINGS OF THE GEOLOGIC AND GEOTECHNICAL REPORTS.

4. IN COMPLIANCE WITH GRP SECTION 18.06, A SITE SPECIFIC SOILS INVESTIGATION MAY BE REQUIRED FOR PROJECTS LOCATED IN SEISMIC DESIGN CATEGORIES D, E, OR F.

1. SLOE SHALL HAVE A MINIMUM BEARING VALUE OF 1500 PSF. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED FILL. THIS PLAN IS NOT SUITABLE WHERE POTENTIAL EXISTS FOR DIFFERENTIAL MOVEMENT FROM DISMILAR SOIL TYPES. (SEE ORDER FOR SLOE SPECIFICATIONS) 2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS & CONFORM TO ASTM A615 GRAD 40 FOR #3 BARS AND #4 BARS. SPLICES TO BE LAPPED A MINIMUM OF 24" MINIMUM CLEARANCE BETWEEN PARALLEL BARS IS 1 1/2". #5 BARS USED ON SUPPLEMENTARY DETAILING SHALL BE 60 (UNDEVELOPED) AND LIMITED TO CUT-FILL TRANSITIONS. 3. (1) #4 BAR IS EQUIVALENT AND MAY BE USED IN PLACE OF (2) #3 BARS WITH THE EXCEPTION THAT IF #4 BARS ARE USED FOR THE BASIC GRID, THE MAXIMUM SPACING IS #4 BARS AT 18" O.C. 4. BONDING/GROUNDING (PER THE CEC) OF THE STRUCTURAL REINFORCEMENT MUST BE DONE PRIOR TO PLACING OF CONCRETE. 5. PORTLAND CEMENT SHOTCRETE SHALL CONFORM TO ASTM C150 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI AND A WATER/CEMENT RATIO LESS THAN OR EQUAL TO 0.45. 6. WHERE SHOTCRETE IS EXPOSED TO SOIL OR WATER CONTAINING DELETERIOUS AMOUNTS OF SULFATE, CHLORIDE, OR ACIDIC MATERIALS, IT IS INTENDED TO HAVE LOW PERMEABILITY. WHERE EXPOSED TO WATER, SHOTCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 4,500 PSI, W/C RATIO < 0.45, AND SHALL UTILIZE TYPE I CEMENT. 7. KEEP CONCRETE DAMP CONTINUOUSLY FOR 14 DAYS. 8. ALL OTHER SURFACES OF POOL/SPA SHALL BE COATED WITH A WATERPROOF SURFACE.

6



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23-01601



Date: 2/20/2023

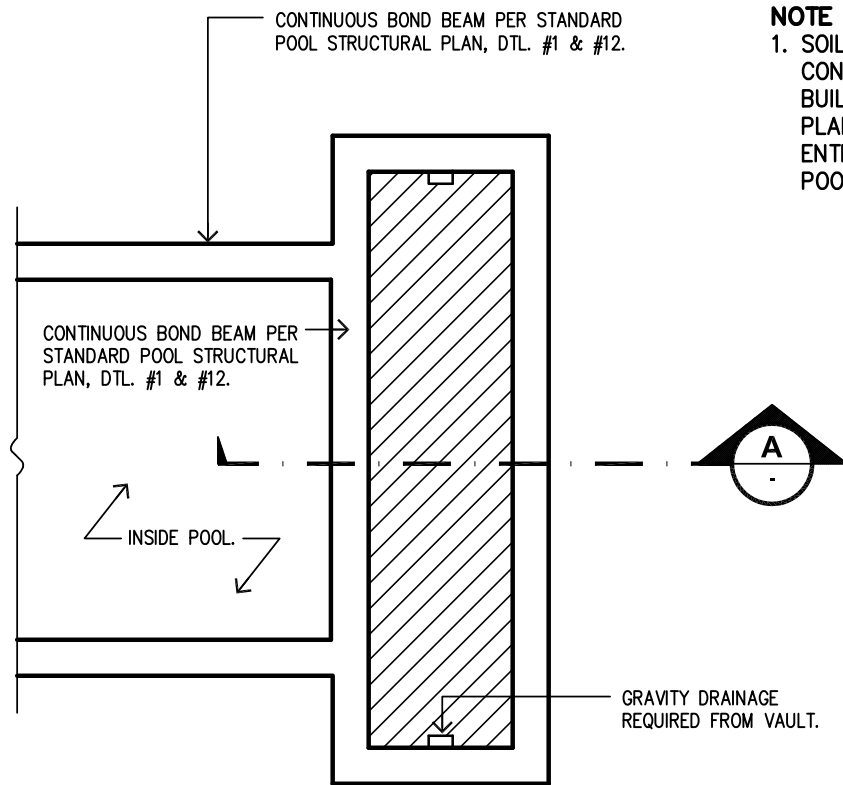
THIS PLAN IS VALID ONLY WITH QR CODE
THAT WHEN SCANNED DISPLAYS THE PROJECT
ADDRESS AND JOB NUMBER MATCHING THAT
SHOWN ABOVE ENGINEER'S STAMP

AUTHORIZED SIGNATURES:
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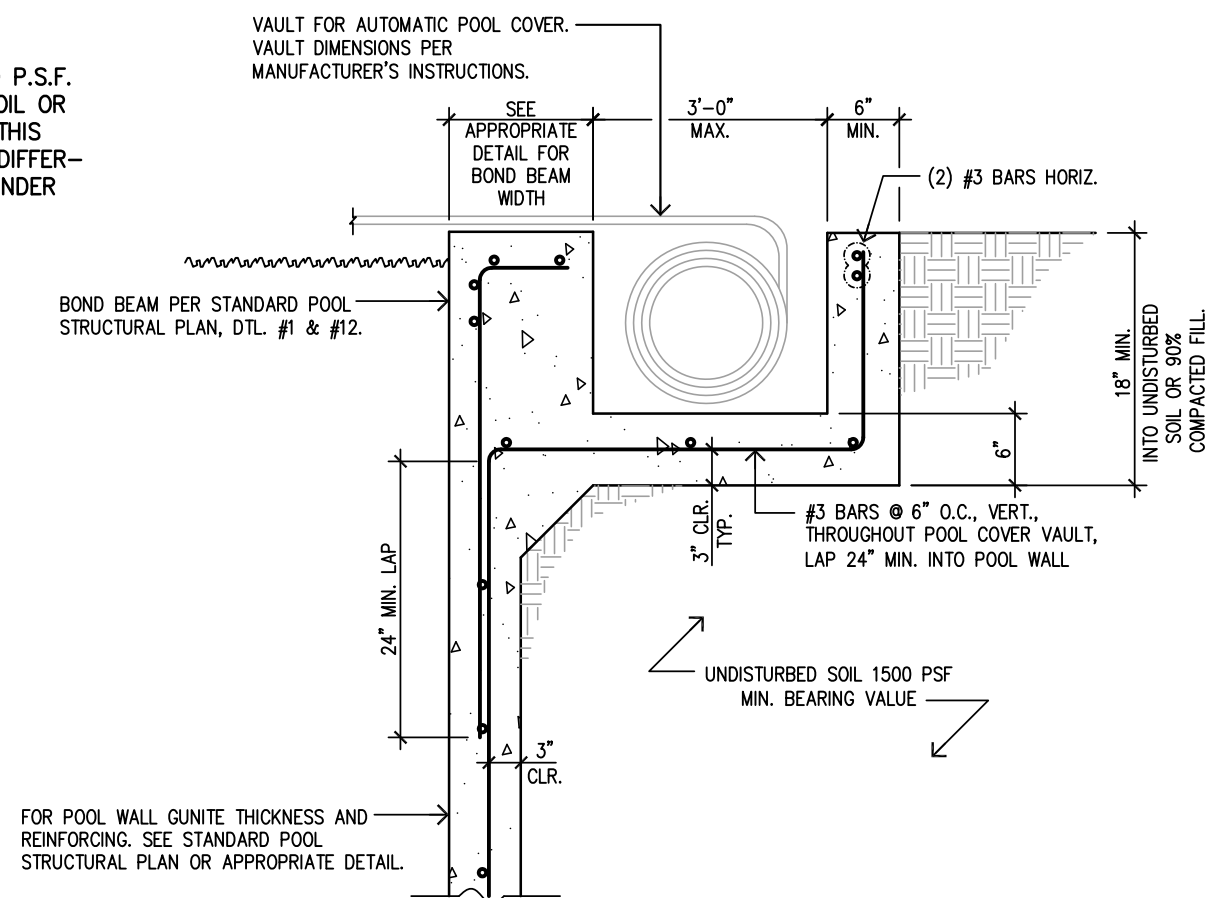
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VAULT DIMENSIONS PER MANUFACTURER'S INSTRUCTIONS.

STANDARD POOL STRUCTURAL PLAN, STRUCTURAL NOTE #1 IS REPEATED HERE FOR EMPHASIS:

1. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 1,500 P.S.F. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR BUILDING DEPARTMENT APPROVED 90% COMPACT FILL. THIS PLAN IS NOT SUITABLE WHERE POTENTIAL EXISTS FOR DIFFERENTIAL MOVEMENT FROM DISSIMILAR SOIL CONDITIONS UNDER POOL, SUCH AS CUT-FILL TRANSITIONS.

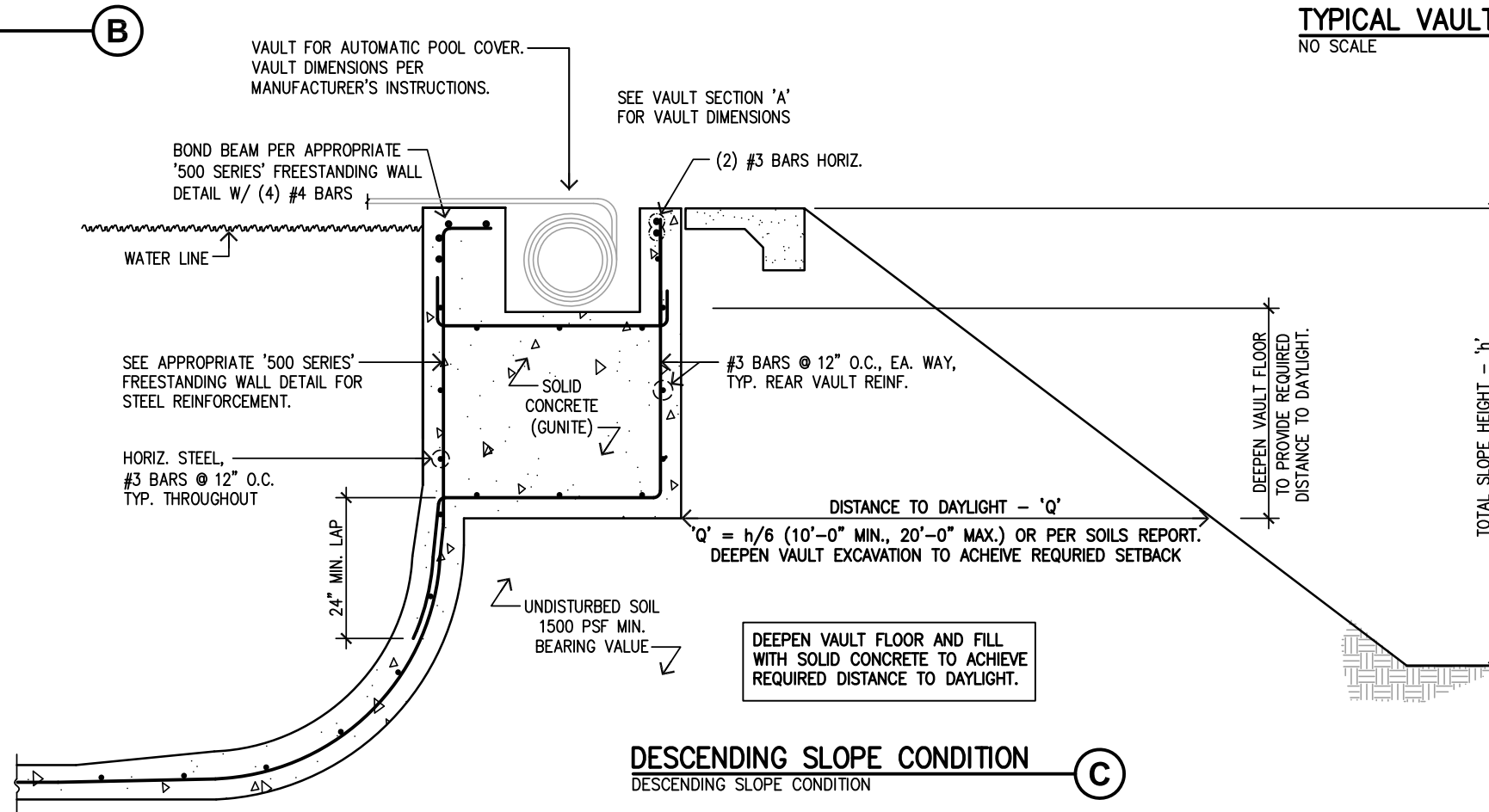


TYPICAL VAULT SECTION

NO SCALE

VAULT PLAN VIEW

NO SCALE



DESCENDING SLOPE CONDITION

DESCENDING SLOPE CONDITION

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Date: 2/20/2023

23-01601

AUTOMATIC POOL COVER
VAULT DETAIL

DETAIL #672

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
 THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

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