

CODE REQUIREMENTS

NOTE: ALL SUBSECTIONS REFERENCED ARE FROM THE LAC TITLE XXIV CODE

POOL REQUIREMENTS

- PER 302B - ALL INTERIOR SURFACES OF THE POOL SHALL RECEIVE A LIGHT COLORED PLASTER ON ALL SURFACES NOT TILED.
- PER 305A - ALL POOL WALLS SHALL BE PLUMB.
- PER 311A - THE MINIMUM WATER DEPTH OF THE POOL IS 3'-6".
- PER 311C - THIS POOL IS DESIGNED NOT TO EXCEED THE 5'-6" WATER DEPTH, THEREFORE NOT REQUIRING A 4" MINIMUM CONTINUING BAND.
- PER 311E - DUE TO THE ESTABLISHED WATER DEPTHS, THERE WILL BE NO DIVING ALLOWED IN THIS POOL. ALL WATER DEPTH TILE MARKER LOCATIONS SHALL ALSO INCLUDE A 6"x6" INTERNATIONAL NO DIVING SYMBOL.
- PER 315A - THE POOL TURNOVER RATE SHALL BE 22 HOURS.
- PER 317D - THIS POOL WILL HAVE AN UNDERWATER SEAT BENCH THAT IS IN FULL COMPLIANCE WITH THE DOCUMENT ENTITLED "VARIANCE CRITERIA FOR UNDERWATER SEAT BENCHES" (SEE UNDERWATER SEAT BENCH REQUIREMENTS).

- PER 323B - POOL DECK SHALL BE CONSTRUCTED OF CONCRETE WHICH IS SLIP RESISTANT.
- PER 323E - THE MINIMUM CONTINUOUS UNOBSERVED DECK WIDTH SHALL BE 4 FEET.
- PER 323G - THE POOL DECK SHALL SLOPE 4" PER 12 FOOT. ADDITIONAL DRAINAGE WILL ALSO BE PROVIDED (REFER TO THE DRAINAGE PLAN).
- PER 323J - CONSTRUCTION JOIST WHERE POOL CORING MEETS CONCRETE DECKS SHALL BE WATER-TIGHT AND SHALL NOT ALLOW WATER TO PASS TO THE GROUND BENEATH.
- PER 323O - POOL DECK SHALL BE SLOPED AS INDICATED ON DRAINAGE PLAN.
- PER 323P - SITE DRAINAGE SHALL BE NEGATED PER DRAINAGE PLAN TO EFFECTIVELY SHED WATER FROM POOL, DECK AND POOL, AND PREVENT FLOODING OR EROSION OF LANDSCAPING ONTO POOL, DECK OR POOL.
- PER 323Q - ALL POOL CIRCULATION SYSTEM PIPING SHALL BE TESTED WITH AN INDICATED STATIC HYDRAULIC PRESSURE AT THE POINTS OF ENTRY INTO THE POOL. THE PRESSURE SHALL BE 150 PSI ABOVE THE OPERATING PRESSURE. THE PRESSURE SHALL BE MAINTAINED FOR A PERIOD OF 15 MINUTES. ALL LEAKS SHALL BE REPAIRED PRIOR TO THE START OF CONSTRUCTION. THE PRESSURE SHALL BE RECHECKED AT THE END OF THE 15 MINUTE PERIOD. THE PRESSURE SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF THE CONSTRUCTION PROCESS AS MUCH AS FEASIBLY POSSIBLE.
- PER 323S - A HOSE BIB AND VACUUM BREAKER SHALL BE PROVIDED FOR WASHING DOWN THE ENTIRE POOL DECK AREA.
- PER 325 - THIS POOL SHALL HAVE ONE HAND RAIL AT THE STEPS, AND ONE LADDER AT THE SHALLOW END PROVIDING AT LEAST TWO MEANS OF ENTRY/EXIT LOCATIONS. ALL TREADS SHALL HAVE SLIP-RESISTING SURFACES. THIS POOL IS 18'-0" IN WIDTH, NOT REQUIRING MORE THAN ONE LADDER ON THE DEEP END. A MINIMUM MEANS OF ENTRY/EXIT IS PROVIDED NO MORE THAN 15 LINEAR FEET OF POOL WALL.
- PER 327 - ALL STAIR TREADS ARE 24" ALL RISERS ARE UNIFORM 11" WITH THE BOTTOM RISER VARYING NO MORE THAN 2" OR FROM 2" TO 4". ALL RISERS SHALL BE FINISHED WITH A SLIP-RESISTANT SURFACE. THE RISERS SHALL BE FINISHED WITH A SLIP-RESISTANT SURFACE. THE RISERS SHALL BE FINISHED WITH A SLIP-RESISTANT SURFACE. THE RISERS SHALL BE FINISHED WITH A SLIP-RESISTANT SURFACE.
- PER 324 - THE POOL LADDER SHALL BE STAINLESS STEEL WITH TWO HAND RAILS WITH THE LADDER TREADS BEING SPACED 18" AND 6" CLEAR FROM THE FACE OF POOL WALL. THE CLEAR DISTANCE BETWEEN LADDER HANDRAILS WILL BE 15". THE LADDER TREADS ARE UNIFORM 1" SPACED WITH A VERTICAL DISTANCE OF 10" AND ALL LADDER TREADS SHALL WEAR THE 1-1/2" HORIZONTAL DISTANCE.
- PER 325 - ALL PORTABLE WATER PIPES, PIPE RELATED PRODUCTS AND MATERIALS THAT JOIN OR SEAL PIPES AND PIPE RELATED PRODUCTS SHALL BE EVALUATED AND LISTED AS COMPLYING WITH A NATIONAL CONSUMER PRODUCT (OR MATERIAL) STANDARD. AVERAGE STANDARD 61 AND NSF/ANSI 312.

CIRCULATION SYSTEM REQUIREMENTS

- PER 501 - ALL POOL EQUIPMENT IS SIZED FOR A 25 HOUR TURNOVER. WHERE CIRCULATION EQUIPMENT SIZING FALLS WITHIN THE SCOPE OF NATIONAL SANITATION FOUNDATION (NSF) TESTING, MATERIALS AND EQUIPMENT USED IN THE CIRCULATION SYSTEM SHALL COMPLY WITH THE APPROPRIATE REQUIREMENTS OF NSF STANDARD 50.
- PER 502A - WATER VELOCITY FOR RETURN PIPING SHALL NOT EXCEED 8FPS, AND VELOCITY FOR THE SUCTION PIPING SHALL NOT EXCEED 6 FPS.
- PER 502C.1 - THIS POOL SHALL BE PROVIDED WITH A FLOW METER SHOWING FLOW RATE THROUGH THE FILTER SYSTEM IN GALLONS PER MINUTE.
- PER 505 - CARTRIDGE FILTER SHALL BE PROVIDED SO THAT AFTER CLEANING PER THE MANUFACTURERS INSTRUCTIONS THE SYSTEM WILL PROVIDE THE REQUIRED WATER CLARITY.
- PER 507 - A RE-CIRCULATION PUMP SHALL BE PROVIDED WHICH MEETS OR EXCEEDS THE MAXIMUM FLOW RATE FOR THE POOL. RE-CIRCULATION SYSTEM.
- PER 508 - THIS POOL SHALL HAVE A TOTAL OF 4 RETURN INLETS (4 DIRECTIONAL ETHERAL INLETS). TWO MAIN DRAINS ARE TO BE LOCATED ON PLANS, AND EACH ACCOMMODATE THE MAXIMUM FLOW RATE. ALL RETURN INLETS ARE SPACED ALONG THE POOL WALL AT A DISTANCE NOT TO EXCEED 20'-0".
- PER 511 - ALL WALL RETURN INLETS SHALL BE ADJUSTABLE. THE WALL RETURN INLETS ARE ALL LOCATED BETWEEN 10 INCHES AND 15 INCHES BELOW POOL OVERFLOW LEVEL.
- PER 512 - ALL SUCTION OUTLETS SHALL HAVE COVERS THAT MEET ANSI/APSP 16-2011 (THIS INCLUDES THE MAIN DRAIN) AND ALL SUCTION COVERS FOR THE EQUALIZER LINES ON EACH SKIMMER, EACH 8" MAIN DRAIN IS SPACED AT 6'-0" FROM CENTER TO CENTER. THE MAIN DRAIN OUTLET GRATING SHALL HAVE AN AREA OF OPENING FOUR TIMES THE AREA OF THE DRAIN. THE MAIN DRAIN SHALL BE PROVIDED WITH A SLIP-RESISTANT SURFACE. THE MAIN DRAIN SHALL BE PROVIDED WITH A SLIP-RESISTANT SURFACE. THE MAIN DRAIN SHALL BE PROVIDED WITH A SLIP-RESISTANT SURFACE.
- PER 515 - A SURFACE SKIMMER SHALL BE PROVIDED FOR EVERY 500 SQ. FT. OF WATER SURFACE AREA (TWO SKIMMERS PROVIDED).
- PER 517 - HEATERS SHALL BE TESTED AND SHALL COMPLY WITH THE REQUIREMENTS OF ANSI-Z39-190 FOR GAS HEATERS. ALL GAS HEATERS SHALL BE TESTED AND SHALL COMPLY WITH THE UL 981 SPECIFICATIONS AND BE ACCEPTED BY A RECOGNIZED TESTING FACILITY.
- PER NEC 680.41 ALL SPA'S AND HOT TUBS SHALL HAVE A CLEARLY LABELED EMERGENCY SHUTOFF OR CONTROL SWITCH FOR THE PURPOSE OF STOPPING THE MOTOR(S) THAT PROVIDE POWER TO THE RE-CIRCULATION SYSTEM AND A SWITCH SHALL BE INSTALLED AT A POINT READILY ACCESSIBLE TO THE USERS AND NOT LESS THAN 5 FT AWAY, ADJACENT TO, AND WITHIN SIGHT OF THE SPA OR HOT TUB.

GENERAL STANDARDS

- PER 101 - DEPTH MARKER REQUIREMENTS ARE DETAILED ON DETAIL 03, SHEET PL-1.2. ALL ARE IN PLAN VIEW THIS PAGE.
- PER 103 - THIS CLASS C POOL SHALL UTILIZE A 12FT LONG STRONG POLE WITH BODY HOOK, 1/4" INCH MINIMUM DIAMETER 30 FT THROWING ROPE AND RING BUOY, AND TELEPHONE WITH HOLED EMERGENCY NUMBERS AND NUMBERS.
- PER 107A - ALL FRESH WATER SUPPLY LINES AND BACKWASH LINES SHALL BE SEPARATED BY A 6" MINIMUM AIR GAP, PREVENTING A PHYSICAL CONNECTION OF THE FRESH WATER SUPPLY LINE OR THE BACKWASH LINE TO THE POOL WATER BODY.
- PER 111 - BACKWASH WATER SHALL BE DISCHARGED INTO A SANITARY SEWER LINE THROUGH A 6" MINIMUM AIR GAP.
- PER 113A - POOL CONTRACTOR SHALL COMPLY ALL REQUIREMENTS OF THE LATEST NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION AGENCY.
- PER 115A - THIS POOL WILL BE OPEN FOR USE DURING NON-DAYLIGHT HOURS, AND IS PROVIDED WITH UNDERWATER POOL LIGHTING. LIGHTING REQUIREMENTS FOR POOL AND DECK AREA SHALL BE WITH IN ACCORDANCE WITH T15 1-1.

SYMBOL LEGEND

- LIGHTING FIXTURE
- POOL LADDER
- SKIMMER
- MAIN DRAIN
- WALL RETURN INLET
- VENTURI RETURN INLET

GENERAL STANDARDS CONTINUED

- PER 111 - THE POOL EQUIPMENT ROOM SHALL REMAIN PROPERLY VENTILATED BY LOWVEED OPENINGS.
- PER 12A - POLE HOOPS, ROPE, BUOYS, FIRST AID KIT, AND OTHER LIFE-SAVING EQUIPMENT ARE TO BE PROVIDED IN COMPLIANCE WITH CODE.
- PER NEC 680.12, ONE OR MORE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNSHARDED CONDUCTORS SHALL BE PROVIDED FOR ALL UTILIZATION EQUIPMENT OTHER THAN LIGHTING. EACH MEANS SHALL BE READILY ACCESSIBLE AND WITHIN SIGHT FROM ITS EQUIPMENT AND SHALL BE LOCATED AT LEAST 5 FT HORIZONTALLY FROM THE INSIDE WALLS OF A POOL, SPA, OR HOT TUB UNLESS SEPARATED BY A PERMANENTLY INSTALLED BARRIER THAT PROVIDES A 5 FT CLEAR FROM OR OVERHEAD.
- PER NEC 680.21: THE BARRIER CIRCUITS FOR POOL-ASSOCIATED MOTORS SHALL BE INSTALLED IN RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, RIGID POLYVINYL CHLORIDE CONDUIT. ALL WIRING METHODS EMPLOYED SHALL CONTAIN AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH 250.122 BUT NOT SMALLER THAN 12 AWG.
- PER NEC 680.42, LISTED PACKAGED SPA OR HOT TUB EQUIPMENT ASSEMBLIES OR SELF-CONTAINED SPAS OR HOT TUBS UTILIZING A FACTORY-INSTALLED OR ASSEMBLED CONTROL PANEL OR PANELBOARD SHALL BE PERMITTED TO USE FLEXIBLE CONNECTIONS AS COVERED IN 680.42(A)(1) AND (A)(2).

DISINFECTION & BACTERIOLOGICAL QUALITY

- PER 901A - ALL DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF STANDARD 50.
- PER 901A.2 - THE DISINFECTANT PROVIDING DISINFECTANT TO THE POOL WATER IS TO BE ADJUSTED PERIODIC FIELD TESTING METHODS THAT ARE SIMPLE AND ACCURATE.
- PER 901C - THE POOL SHALL BE SUPPLIED WITH A CHEMICAL TEST KIT WHICH TESTS ALLOWS FOR TESTING OF ALL LEVELS MENTIONED IN NOTE 4 BELOW WITHIN THIS DOCUMENT VIA THE PDP METHOD OF DETECTING CHLORINE RESIDUAL. (TAYLOR TEST KIT K-2006 OR BETTER WILL BE PROVIDED).
- THE TESTING RESULTS FOR RESIDUALS SHALL MEET THE FOLLOWING ...
 - TESTING FOR DETERMINATION OF PH: CHLORINE (TOTAL AND FREE), TOTAL ALKALINITY, AND CALCIUM HARDNESS
 - DISINFECTANT LEVELS AND PH SHALL BE MEASURED TWICE PER DAY, AND HOURLY WHEN POOL IS IN HEAVY USE.
 - TOTAL ALKALINITY TO BE MEASURED WEEKLY.
 - CALCIUM HARDNESS TO BE MEASURED MONTHLY.

LEVEL REQUIREMENTS ARE:

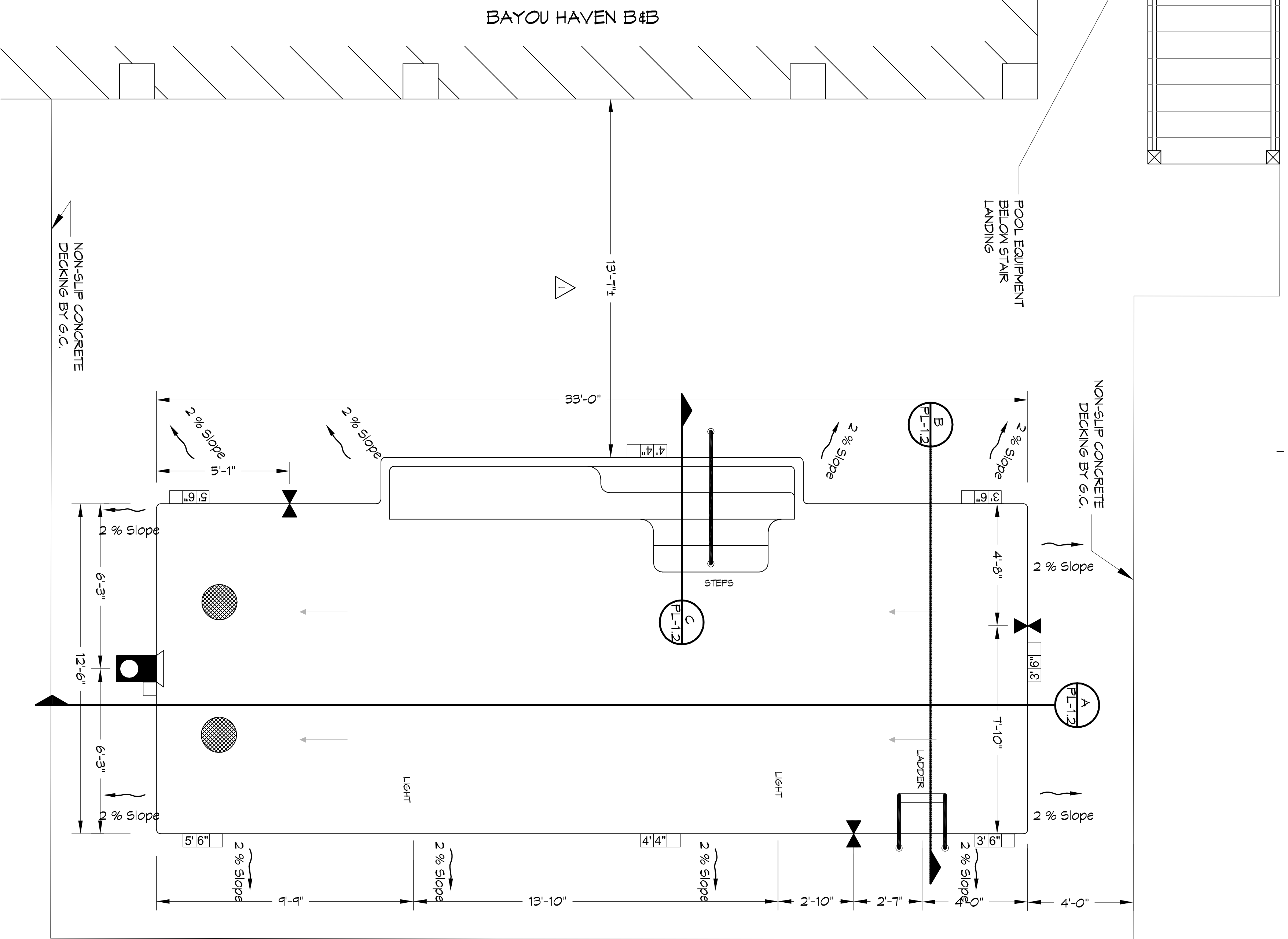
CHLORINE	1.0 ppm MINIMUM
PH	7.2 - 7.8
TOTAL ALKALINITY	80 - 120 ppm (MG/L)
CALCIUM HARDNESS	1000 ppm (MG/L) MAXIMUM

UNDERWATER SEAT BENCH

- UNDERWATER SEAT BENCH ON THIS POOL IS WITHIN 5'-0" WATER DEPTH OR LESS.
- THERE ARE NO SWIM LINES WITHIN THIS POOL.
- THE WATER DEPTH ABOVE THE UNDERWATER SEAT BENCH IS 18 INCHES.
- THE SEAT DEPTH OF THE UNDERWATER SEAT BENCH FROM FACE OF POOL WALL TO THE VERTICAL FACE OF THE BENCH IS 24 INCHES.
- A PERMANENT COLORED BAND OF DARK CONTRASTING AND SLIP-RESISTANT TILE SHALL BE INSTALLED AT THE FRONT EDGE OF THE SEAT EXTENDING TWO INCHES ON THE HORIZONTAL AND VERTICAL SURFACE, AND SHALL BE SLIP RESISTANT.
- THE FRONT EDGE OF THE UNDERWATER SEAT BENCH SHALL HAVE A 1" INCH ROUNDED EDGE.
- THE UNDERWATER SEAT BENCH IS NOT UTILIZED AS AN ENTRY/EXIT.

GENERAL CONSTRUCTION NOTES

- DRAINAGE PLANS FOR FINISHED GRADES, POOL, DECK SLOPE DIRECTION, AND DRAINAGE SHALL MEET THE REQUIREMENTS OF LAC TITLE 81 XXIV CODE.
- FOR ALL FINISHES ON THE POOL, AND POOL DECK, REFERENCE THE LANDSCAPE PLANS.
- ALL POOL DECK DEPTH VARIATIONS, BOTH DECK MOUNTED AND WALL MOUNTED ARE IDENTIFIED IN THE POOL PLAN VIEW AND SECTIONS, AND SPECIFICALLY ON SHEET PL-1.2, DETAIL 03.
- ALL 2"x2" DARK CONTRASTING EDGE TILE WITHIN THE POOL IS IDENTIFIED THROUGHOUT ALL POOL PLAN VIEWS AND SECTION VIEWS. COLORS ARE IDENTIFIED IN THE LANDSCAPE PLANS.
- DIRECTIONAL LAYOUT PLAN FOR POOL ON SHEET PL-1.0 IDENTIFIES THE LOCATIONS OF ALL SKIMMERS, INLETS, DRAINS, DEPTH CHANGES, DEPTH MARKERS, HAND RAIL, LADDER, AND 3/4" X 1/2" MOUNTING LOCATION.
- ALL SKIMMERS ARE TO HAVE EQUALIZER LINES WITH SUCTION COVERS.
- LADDER TO BE LOCATED ALONG THE POOL PERIMETER AS SHOWN ON PLANS WITH A DISTANCE NOT EXCEEDING 15'-0" ALONG THE PERIMETER BETWEEN THE LADDER AND THE HAND RAIL.
- SHEET PL-1.3 THE PUMPING LINES ARE DRAWN DIAGRAMMATICALLY. THE ACTUAL LOCATIONS OF THE LINES SHALL BE DETERMINED IN THE FIELD, AND TRANSLATED ONTO AS-BUILT DRAWINGS FOR RECORD.
- INSTALLER SHALL SET THE MAXIMUM TEMPERATURE FOR THE POOL, AND SPA HEATER TO NOT MORE THAN 99° F.



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REVISIONS		DATE
#	DESCRIPTION	

STATE OF LOUISIANA
BOARD OF PROFESSIONAL ENGINEERS
1/6/2016

BRUCE MISTICH
PE
1/6/2016

NEW POOL
BAYOU HAVEN

34205 BAYOU LIBERTY RD.
SLIDELL, LA

JOB No: DATE: JULY 14, 2016
DRAWN BY: DPF CHECKED BY: BM

34205 BAYOU LIBERTY RD.
SLIDELL, LA

SHEET TITLE:
POOL PLAN, NOTES, & CALCS.

DRAWING NUMBER:
PL-1.1

SHEET NO:
2 OF 3