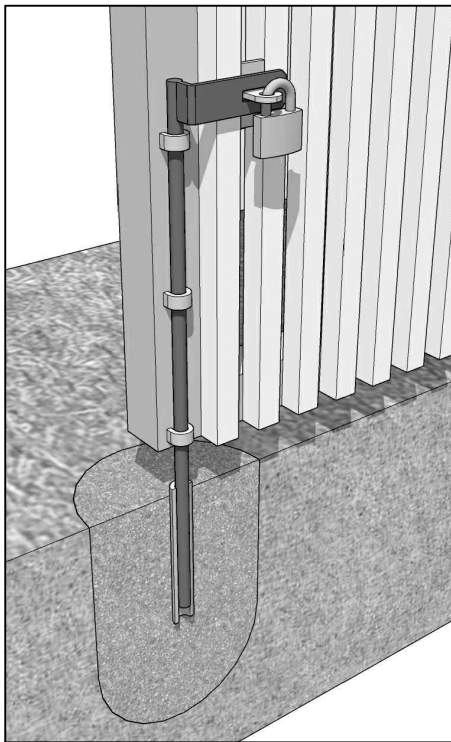


GENERAL NOTES

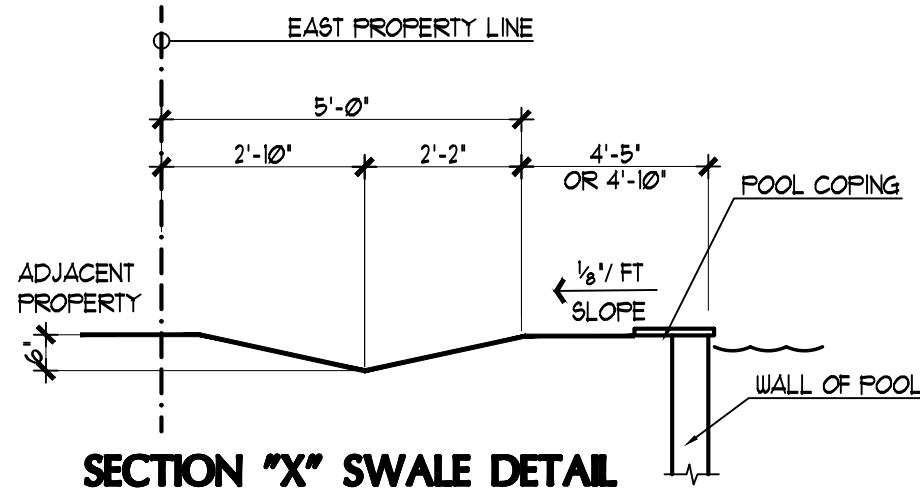
- 1- ALL FLOORS AND WALLS OF POOL TO BE CONCRETE SHALL BE PNEUMATICALLY PLACED (SHOTCRETE OR GUNITE) A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
- 2- ALL REINFORCING STEEL TO CONFORM TO ASTM 615 GRADE 60.
- 3- ALL POOL PIPING TO BE SCHEDULE 40 PVC BEARING NSF APPROVAL WITH LOGO PRINTED, PLASTIC PIPE SUBJECT TO A PERIOD OF PROLONGED SUNLIGHT EXPOSURE SHALL BE COATED TO PROTECT IT FROM ULTRAVIOLET LIGHT DEGRADE - 2020 FBC R45016.5
- 4- FILTER BACKWASH SHALL COMPLY WITH CHAPTER R450120 OF THE 2020 FBC.
- 5- NO POOL OR SPA DECK SHALL BEAR ON ANY TYPE OF SOILS EXCEPT CLEAN SANDS OR ROCK WHICH SHALL BE COMPACTED TO PROVIDE A SAFE BEARING CAPACITY OF 3,000 PSF. ANY ORGANICS, MARLS, OR OTHER TYPES OF DELETERIOUS MATERIALS ENCOUNTERED ON EXCAVATION SHALL BE REMOVED (DEMUCKED) IN THEIR ENTIRETY AND THE AREA SHALL BE BACKFILLED WITH ACCEPTABLE SOIL AND COMPACTED IN 12" THICK LAYERS. WHERE THE CONTRACTOR CAN NOT REMOVE THE ORGANICS DUE TO WHATEVER CAUSED, THE POOL SHALL BE REDESIGN FOR PILING.
- 6- IN ALL CASES THE POOL CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHORING, UNDERPINNING OR ANY OTHER METHOD IF REQUIRED, THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURE.
- 7- THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENTS OR REQUIRED SETBACK AREAS. PLOT PLANS NOT PREPARED FROM LEGAL SURVEYS OF THE EXISTING LOT AND RESIDENCE ARE SO INDICATED. POOL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND ESTABLISH LOT LINES IF NECESSARY. CONTRACTOR AND / OR OWNER SHALL VERIFY LAYOUT SHOWN AND ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- 8- CONTRACTOR SHALL ESTABLISH LOCATIONS OF UTILITIES AT THE SITE. MINIMUM CLEARANCE DIMENSIONS SHALL BE HELD AND SHALL BE AS REQUIRED BY THE LOCAL REGULATORY AGENCY IN GENERAL. HOLD A DISTANCE OF 10 FEET FROM OVERHEAD ELECTRIC LINES TO OPEN POOL WATER EDGE AND 5 FEET FROM UNDERGROUND ELECTRIC LINES.
- 9- POOL SLIDERS TO BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF CONSUMER PRODUCTS SAFETY COMMISSION
- 10- MINIMUM 4'-0" HIGH IS FENCE RECOMMENDED AROUND ALL POOLS IN UNSCREENED AREAS, COMPLY WITH CHAPTER R45011 OF THE 2020 FBC.
- 11- WHERE POOLS ADJUT OR ARE PLACED NEARBY SEAWALLS OR BULKHEADS SPECIAL CARE SHALL BE EMPLOYED. THE WALLS SHALL BE IN GOOD CONDITIONS NOT PERMITTING ANY SHIFTING OR REMOVAL OR LOOSENING OF THE SUPPORTING SOIL AWAY FROM THE POOL. IF THE WALLS DO NOT FULLY CONTAIN THE SOILS BEHIND THEM, THEY SHALL BE REPLACED OR REPAIRED. CONTINUAL MAINTENANCE OF THE WALLS IS REQUIRED OF THE PROPERTY OWNER. WHEN EXCAVATING FOR THE POOL, THE SEAWALL TIEBACKS SHALL NOT BE CUT. WHERE CONCRETE DEAD-MEN FALL WITHIN THE EXCAVATION, NOTIFY THE ENGINEER FOR INSTRUCTIONS.
- 12- THE CONTRACTOR SHALL BACKFILL THE POOL SHELL WITH CAUTION. THE FLUMPING SHALL NOT BE DISTURBED. BACKFILL SHALL BE ACCOMPLISHED WITH CLEAN SANDS FREE OF ORGANIC MATERIALS AND SHALL BE PLACED IN 12" THICK LAYERS. EACH LAYER SHALL BE COMPACTED TO 90 % OF THE SOILS MAXIMUM DENSITY BY TAMPING SOLIDLY. SOILS BELOW THE PATIO SHALL BE PLACED IN A SIMILAR MANNER.
- 13- WHERE PATIOS ARE INDICATED BY OTHERS, THE PATIO DESIGN NOTES SHOWN ON THE TYPICAL WALL SECTION DO NOT APPLY. PATIO DESIGN SHALL BE BY OTHERS.
- 14- WARNING: TO EMPTY POOL AFTER CONSTRUCTION FOR REPAIRS OR ANY OTHER REASON, THE HYDROSTATIC UPLIFT PRESSURES BENEATH THE POOL MUST BE ELIMINATED TO PREVENT THE POOL FROM FLOATING UPWARD. THE OWNER MUST CONSULT AND POOL REPAIR CONTRACTOR EXPERIENCED IN ELIMINATING UPLIFT PRESSURES.
- 15- THIS PLANS REMAINS THE PROPERTY OF THE DESIGN ENGINEER. IT IS NOT TRANSFERABLE FROM ONE CONTRACTOR TO ANOTHER WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ENGINEER AND TO THE BEST OF OUR PROFESSIONAL KNOWLEDGE AND BELIEF, THEY HAVE BEEN PREPARED IN COMPLIANCE WITH THE ANSI/NSPI-5-2005 AND FBC AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
- 16- CONCRETE POOL DECK SHALL BE PROVIDED W/ 1/4" WIDE SAWCUT CRACK CONTROL JOINTS SPACED AT 5'-0" O.C. OR FOR AN EFFECTIVE CONCRETE AREA OF 150 SQ. FT. CRACK CONTROL JOINTS SHALL BE SAWCUT AT A DEPTH OF 1/3 THE SLAB THICKNESS.
- 17- SHORING MAYBE REQUIRED WHEN SOIL CONDITIONS EXHIBIT UNSTABLE ROCK FORMATION WHEN POOLS ARE LESS THAN 5' FROM STRUCTURE. IF UNSTABLE SOIL IS FOUND IT AT TIME OF EXCAVATION NOTIFY ENGINEER FOR POOL SHORING DETAIL.
- 18- THIS SET OF PLANS ARE IN COMPLIANCE WITH ANSI / NSPI-5 2011, IN REFERENCE TO FLOOR SLOPES, WALL, PLUMB, ENTRAPMENTS, ENTRY/ EXIT, DECK, AND CIRCULATION SYSTEM OF PROPOSED POOL.

FENCE REQUIREMENTS:

R45011 Residential swimming barrier requirement. Residential swimming pools shall comply with Sections R450111 through R450113. Exception: A swimming pool with an approved safety pool cover complying with ASTM F1346. R450111 Outdoor swimming pools. Outdoor swimming pools shall be provided with a barrier complying with R4501111 through R4501114. R4501111 The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade the barrier may be at ground level or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm). R4501112 The barrier may not have any gaps, openings, indentations, protrusions, or structural components that could allow a young child to crawl under, squeeze through, or climb over the barrier as herein described below. One end of a removable child barrier shall not be removable without the aid of tools. Openings in any barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere. R4501113 Solid barriers which do not have openings shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints. R4501114 Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 48 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 13/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 13/4 inches (44 mm) in width. R4501115 Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 48 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 13/4 inches (44 mm) in width. R4501116 Maximum mesh size for chain link fences shall be a 2 1/4-inch square (57 mm) unless the fence is provided with slats fastened at the top or bottom which reduce the openings to no more than 13/4 inches (44 mm). R4501117 Where the barrier is composed of diagonal members, the maximum opening formed by the diagonal members shall be no more than 13/4 inches (44 mm). R4501118 Access gates, when provided, shall be self-closing and shall comply with the requirements of Sections R4501111 through R4501117 and shall be equipped with a self-latching locking device located on the pool side of the gate. Where the device release is located no less than 54 inches (1372 mm) from the bottom of the gate, the device release mechanism may be located on either side of the gate and so placed that it cannot be reached by a young child over the top or through any opening or gap from the outside. Gates that provide access to the swimming pool must open outward away from the pool. The gates and barrier shall have no opening greater than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.



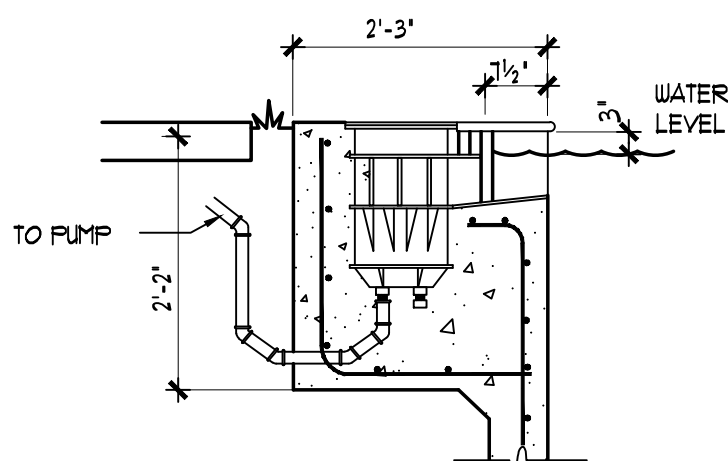
LOCKING MECHANISM DETAIL



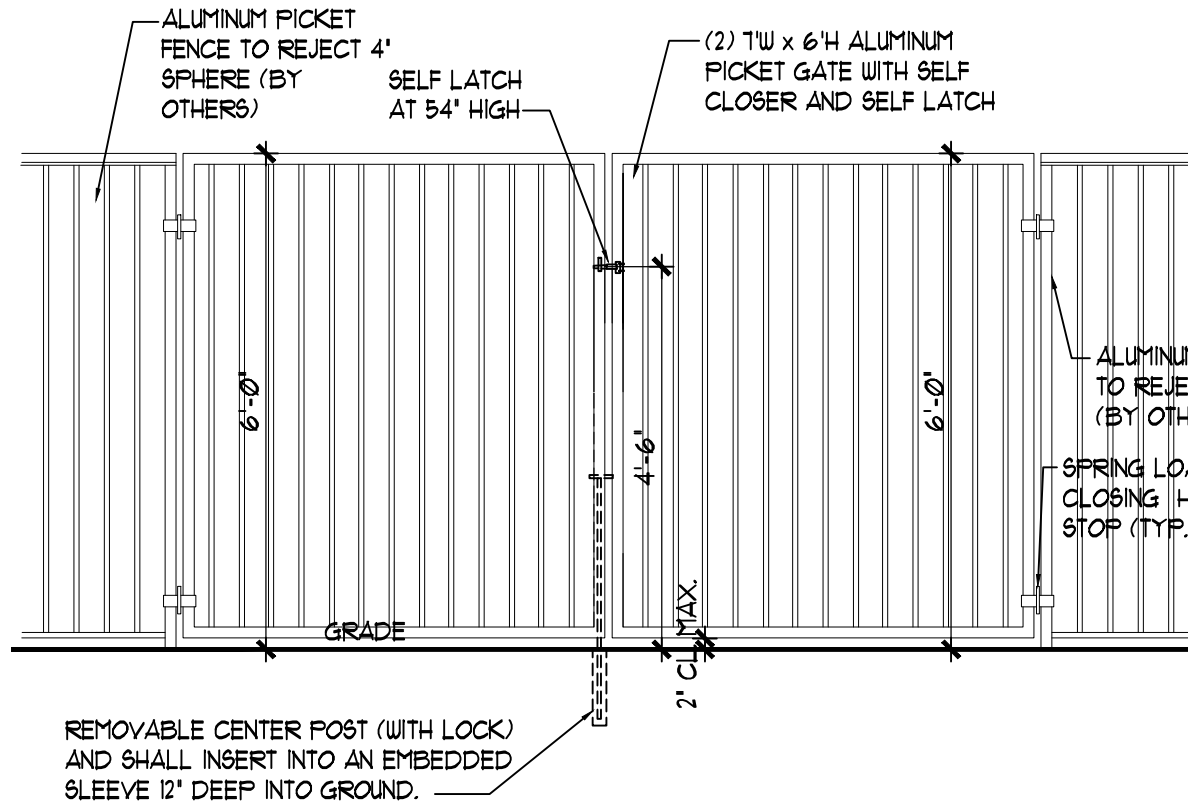
SECTION "X" SWALE DETAIL

WATER CONTROL STATEMENT

CONTRACTOR SHALL PROVIDE AT CONSTRUCTION AREA SILT FENCE TYPE III AND SWALE OR BERM TO AVOID EROSION, SEDIMENTATION AND STORMWATER CONTROLS DURING CONSTRUCTION, SWALES OR BERM TO BE KEEP IT THEREAFTER NOTE: A CLASS V PERMIT IS REQUIRED FOR ANY TEMPORARY OR EMERGENCY DE-WATERING ACTIVITIES DURING THE CONSTRUCTION OF THE PROPOSED PROJECT

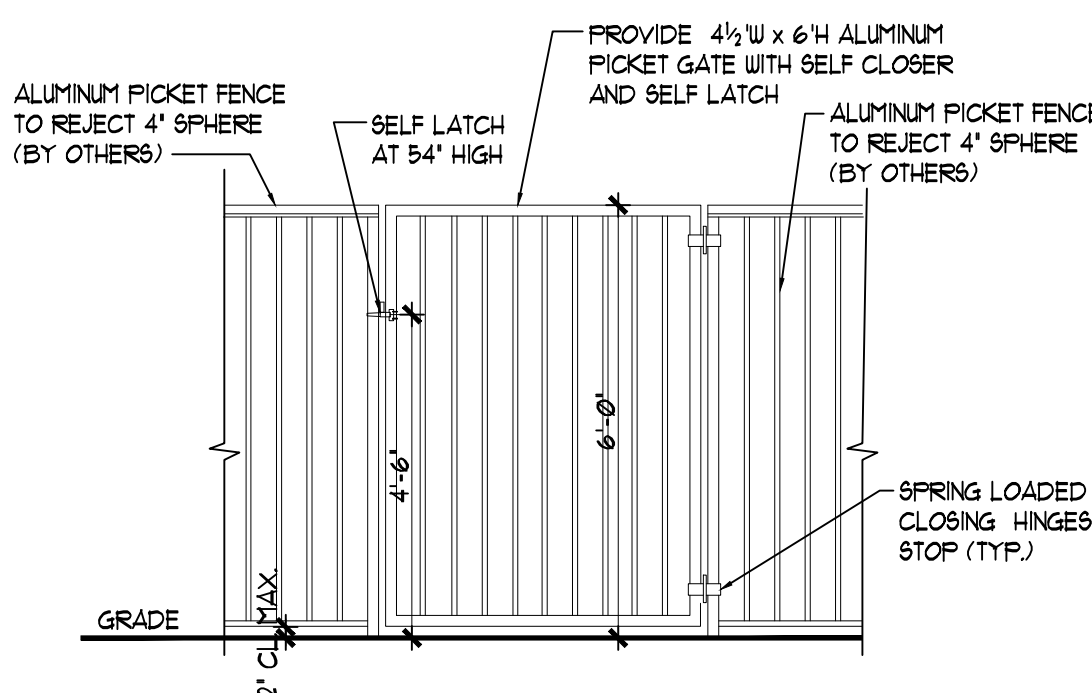


SKIMMER DETAIL



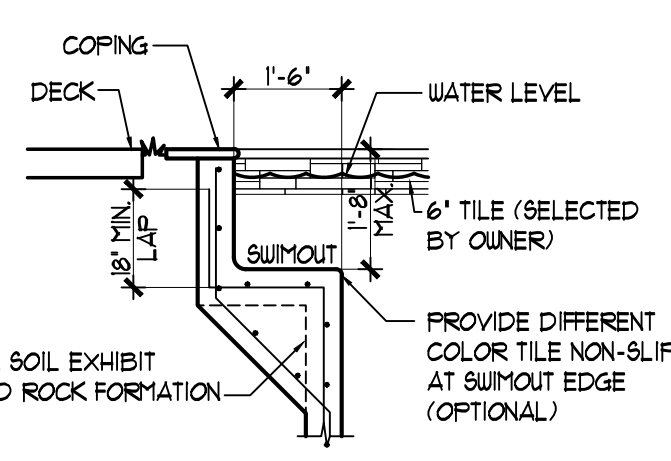
ALUMINUM PICKET DOUBLE GATE DETAIL

(TO COMPLY WITH F.B.C. 2023 R45011)

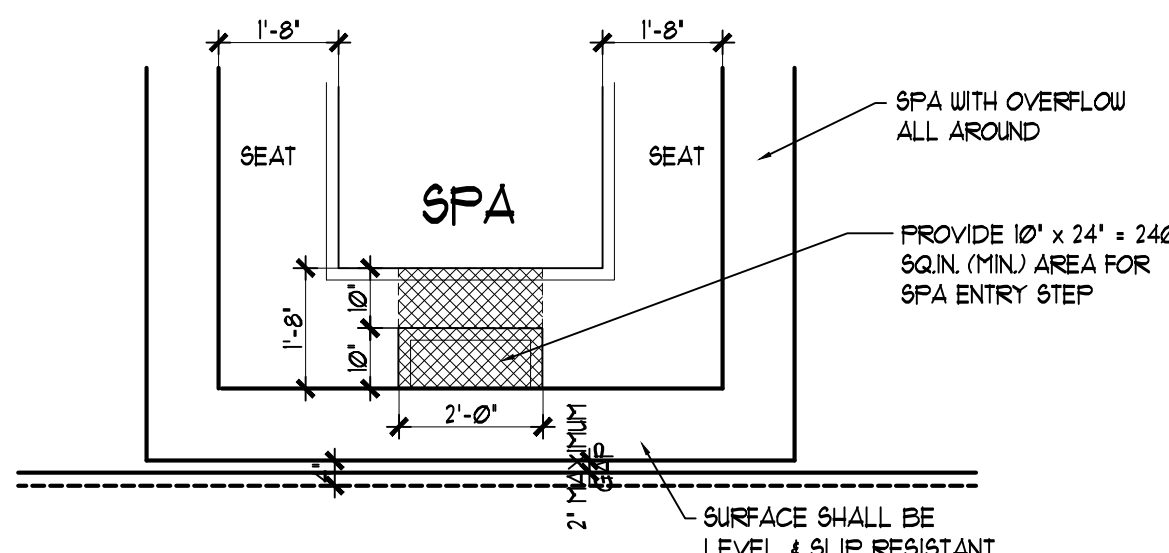


ALUMINUM PICKET SINGLE GATE DETAIL

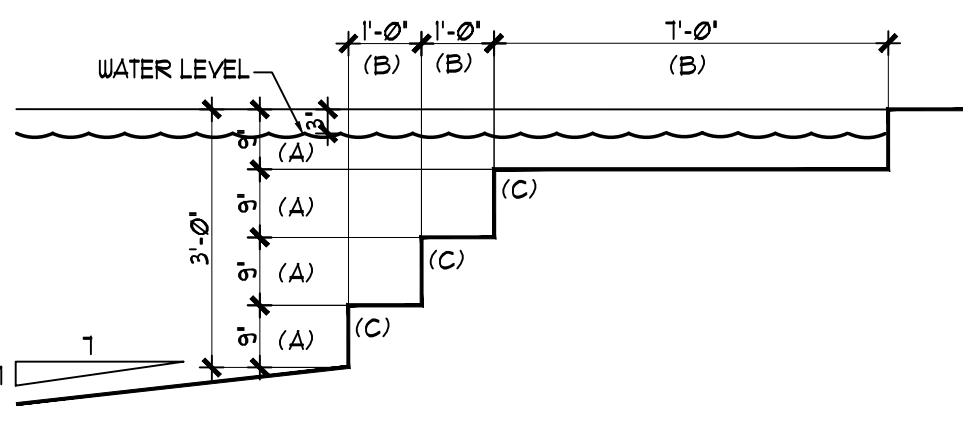
(TO COMPLY WITH F.B.C. 2023 R45011)



SWIMOUT DETAIL

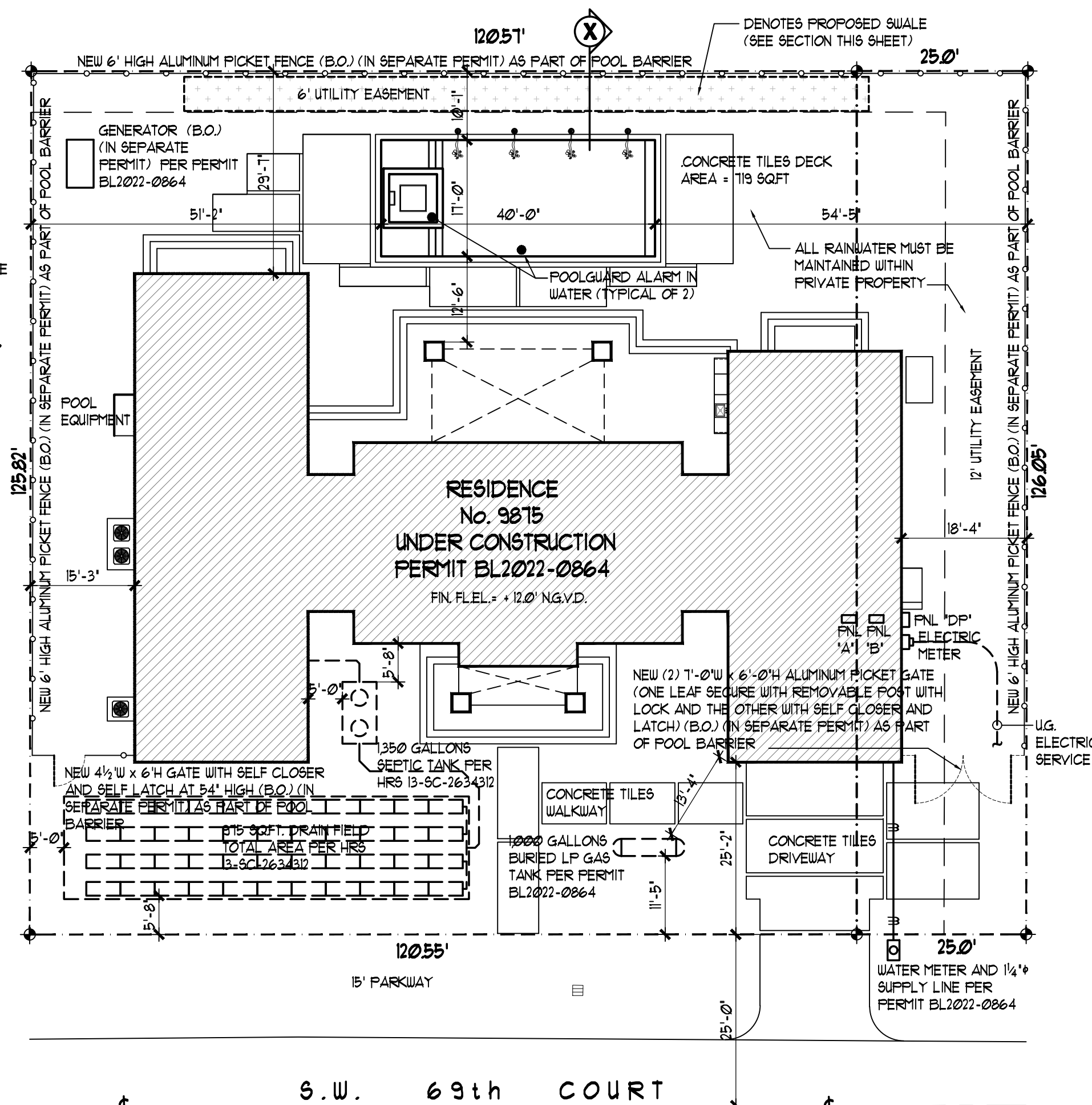


SPA ENTRY STEP DETAIL



POOL STEPS

(A) RISER HEIGHT MUST BE UNIFORM (12" MAX.) except top and bottom riser which may vary in height but shall not exceed 12" (B) TREAD LENGTH 10" MINIMUM (C) CONTRASTING TILE AT EDGE (OPTIONAL) TREADS SHALL HAVE SLIP-RESISTANT SURFACES- ANSI/AFSP-ICC-5 6.15.



SITE PLAN SCALE: 1/8" = 1'-0"

LEGAL DESCRIPTION:

Follow 30-50021-020-0060 Lot 6 together with the North 25 feet of SW 100 Street to Lot 6, Block 2, "PATRICIA MANOR", according to the plat thereof, as recorded in Plat Book 64, at Page 11, of the Public Record of Miami-Dade County, Florida.

ZONING LEGEND

ZONING : EU-M Modified Estates SINGLE-FAMILY RESIDENTIAL NET LOT AREA : 18,346 Sq.Ft. IMPERVIOUS AREA (65%) = 9,305 SQ.FT. = 50.7% PERVIOUS AREA (35%) = 9,042.19 SQ.FT. = 49.3%

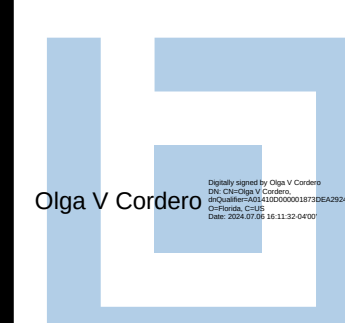
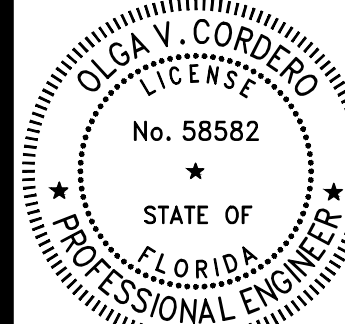
POOL SETBACKS	ALLOWED	PROVIDED
BEHIND PRINCIPAL BLDG	10'-0"	12'-6"
REAR	10'-0"	10'-1"
INTERIOR SIDE	20'-0"	51'-2"
INTERIOR SIDE	20'-0"	54'-5"

SITE PLAN INFORMATION TAKEN FROM PLANS PREPARED BY CASTILLO ARCHITECTURE, PLANNING LLC JUAN CASTILLO AR 001144 6356 MANOR AVENUE SUITE 105 MIAMI FL, 33143 PH: (786) 253-5530 AND APPROVED SET OF PLANS BY VILLAGE OF PINECREST PER PERMIT BL2022-0864

BARRIER SCHEDULE	
COMPLYING WITH 2023 F.B.C. 20th EDITION R45011 Residential swimming barrier requirement.	
BARRIER	DESCRIPTION
FENCE	SEE SITE PLAN FOR FENCE INFORMATION
ALARMS	The 2016 Florida Statutes Title XXXVIII CHAPTER 515 RESIDENTIAL SWIMMING POOL SAFETY ACT 515-11 (e) A swimming pool alarm that, when placed in a pool, sounds an alarm upon detection of an accidental or unauthorized entrance into the water. Such pool alarm must meet and be independently certified to ASTM Standard F2208, titled "Standard Safety Specification for Residential Pool Alarms," which includes surface motion, pressure, sonar, laser, and infrared alarms. For purposes of this paragraph, the term "swimming pool alarm" does not include any swimming protection alarm device designed for individual use, such as an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water. Poolguard Pool Alarms were tested and "Top Rated" by Good Housekeeping Magazine. Poolguard Pool Alarms have been Tested and Certified by NSF International to the ASTM Standard Safety Specification for Residential Pool Alarms, ASTM F 2208-08.

REVISIONS	BY

Olga V. Cordero, P.E.
Structural Engineer, P.E. No. 58582
1220 SW 39th Terrace Miami, FL 33155
olgavictoria@aol.com / Ph: (305) 310-1638



PROPOSED POOL PLAN FOR:
Mr. Rick Alayon
LOCATED AT:
9875 SW 69th Court Miami, FL 33156

DRAWN : RMG
CHECKED : O.V.C.
DATE : April '24
SCALE : SHOWN
JOB NO: 24-054
SHEET 1 OF 3 SHEETS

THIS SET HAS BEEN DIGITALLY SIGNED AND SEALED BY OLGA V. CORDERO ON DATE 01-06-24. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES