

POOL GENERAL NOTES.

1. SWIMMING POOL WAS DESIGNED ACCORDING TO **F.B.C.B.** 8th EDITION (2023) CHAPTER 4 SECTION 454, **F.B.C.R.** 8th EDITION (2023) CHAPTER 45 AND ANSI/NSPI-8, ANSI/NSPI-5 AND RESIDENTIAL SWIMMING POOL SAFETY ACT (CHAPTER 515)
2. REINFORCING BARS TO BE NEW BILLET GRADE CONFORMING TO ASTM A-615. GRADE 60
3. POOL BUILDER TO FOLLOW FLOTATION ANALYSIS AS INDICATED.
4. ALL POOL PIPING TO BE PVC SCHEDULE 40 AND BEAR THE NFS APPROVAL.
5. DISPOSAL OF POOL WATER WITHIN LOT LINES AND SUCH POUNDING SHALL NOT PERSIST FOR MORE THAN ONE HOUR DISCHARGE.
6. WATER SUPPLY AND DISPOSAL SHALL BE INSTALLED IN A WAY SO THAT THERE IS NOT CROSS CONNECTION WITH A DOMESTIC WATER SUPPLY OR WATER DISPOSAL SYSTEM.
7. GRATE AT MAIN DRAIN SHALL HAVE A FREE AREA FOUR TIMES THE AREA OF SUCTION LINE.
8. HAIR AND LINT STRAINERS SHALL HAVE REMOVABLE SCREEN WITH A FREE AREA THREE TIMES THE AREA OF THE SUCTION LINE (4"DIA. MIN.).
9. ALL FLOOR & WALLS OF POOL TO BE PNEUMATICALLY APPLIED CONC. WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.
10. ALL POOL PIPING TO BE SCHEDULE 40 PVC NON THREADED NSF PIPE WITH SOLVENT WELD JOINTS.
11. IN ALL CASES, THE POOL CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHEATHING AND/OR SHORING, OR OTHER METHODS AS REQUIRED. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURES.
12. THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENT 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, POOL CONTRACTOR AND/OR OWNER SHALL VERIFY SHOWN AND ALL DIMENSIONS PRIOR TO CONSTRUCTION.
13. DO NOT DRAIN POOL UNDER HIGH GROUND WATER OR STORM CONDITIONS.
14. TEMPERATURE OF SPA WATER SHALL BE SET SO THAT MAXIMUM WATER TEMPERATURE DOES NOT EXCEED 102 DEGREES FAHRENHEIT.

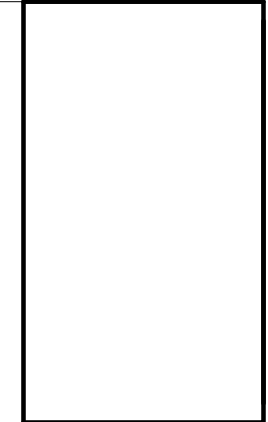
ALL EARTHWORKS SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOIL MANAGEMENT PLAN DATED APRIL 3, 2024 AND APPROVED BY DERM WITH CONDITIONS ON APRIL 10,2024.
- WORK SHALL FOLLOW ALL APPLICABLE SAFETY REQUIREMENTS (E.G., OSHA, ETC.) AND NOTIFICATION SHALL BE PROVIDED TO THE APPROPRIATE AGENCIES.
- IF CONTAMINATED SOILS ARE EXCAVATED DURING CONSTRUCTION, THEY REQUIRE PROPER HANDLING AND DISPOSAL IN ACCORDANCE WITH THE LOCAL, STATE AND FEDERAL REGULATIONS.
- IN THE EVENT WATER PRESENCE DURING THE EXCAVATION PROCESS, A CLASS V DEWATERING PERMIT IS REQUIRED AND SHALL BE OBTAINED PRIOR TO THE REMOVAL OF WATER FROM THE EXCAVATION AREA, PLEASE CONTACT: dermwatercontrol@miamidadade.gov, TO APPLY FOR THE PERMIT

RESIDENTIAL SWIMMING POOL BARRIER REQUIREMENT (R4501.17)

RESIDENTIAL SWIMMING POOLS SHALL COMPLY WITH SECTIONS **R4501.17.1 THROUGH R4501.17.3.**
EXCEPTION: A SWIMMING POOL WITH AN APPROVED SAFETY POOL COVER COMPLYING WITH **ASTM F 1346.**
R4502.17.1 OUTDOOR SWIMMING POOLS.
OUTDOOR SWIMMING POOLS SHALL BE PROVIDED WITH A BARRIER COMPLYING WITH SECTIONS **R4501.17.1.1 THROUGH R4501.17.1.14.**
R4501.17.1.1
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).
R4501.17.1.2
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.
R4501.17.1.3
SOLID BARRIERS WHICH DO NOT HAVE OPENINGS SHALL NOT CONTAIN INDENTATIONS OR PROTRUSIONS EXCEPT FOR NORMAL CONSTRUCTION TOLERANCES AND TOOLED MASONRY JOINTS.
R4501.17.1.4
WHERE THE BARRIER IS COMPOSED OF HORIZONTAL AND VERTICAL MEMBERS AND THE DISTANCE BETWEEN THE TOPS OF THE HORIZONTAL MEMBERS IS LESS THAN 45 INCHES (1143 MM), THE HORIZONTAL MEMBERS SHALL BE LOCATED ON THE SWIMMING POOL SIDE OF THE FENCE. SPACING BETWEEN VERTICAL MEMBERS SHALL NOT EXCEED 1 3/4 INCHES (44 MM) IN WIDTH. WHERE THERE ARE DECORATIVE CUTOUTS WITHIN VERTICAL MEMBERS, SPACING WITHIN THE CUTOUTS SHALL NOT EXCEED 1 3/4 INCHES (44 MM) IN WIDTH.
R4501.17.1.5
WHERE THE BARRIER IS COMPOSED OF HORIZONTAL AND VERTICAL MEMBERS AND THE DISTANCE BETWEEN THE TOPS OF THE HORIZONTAL MEMBERS IS 45 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 1 3/4 INCHES (44 MM) IN WIDTH.
R4501.17.1.6
MAXIMUM MESH SIZE FOR CHAIN LINK FENCES SHALL BE A 21/4 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 1 3/4 INCHES (44 MM).
R4501.17.1.7
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).
R4501.17.1.8
ACCESS GATES, WHEN PROVIDED, SHALL BE SELF-CLOSING AND SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS R4501.17.1.1 THROUGH R4501.17.1.7 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.

R4501.17.1.9
WHERE A WALL OF A DWELLING SERVES AS PART OF THE BARRIER, ONE OF THE FOLLOWING SHALL APPLY:
1. ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2023 THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DBA AT 10 FEET (3048 MM). ANY DEACTIVATION SWITCH SHALL BE LOCATED AT LEAST 54 INCHES (1372 MM) ABOVE THE THRESHOLD OF THE ACCESS. SEPARATE ALARMS ARE NOT REQUIRED FOR EACH DOOR OR WINDOW IF SENSORS WIRED TO A CENTRAL ALARM SOUND WHEN CONTACT IS BROKEN AT ANY OPENING.
EXCEPTIONS:
a. SCREENED OR PROTECTED WINDOWS HAVING A BOTTOM SILL HEIGHT OF 48 INCHES (1219 MM) OR MORE MEASURED FROM THE INTERIOR FINISHED FLOOR AT THE POOL ACCESS LEVEL.
b. WINDOWS FACING THE POOL ON FLOOR ABOVE THE FIRST STORY.
c. SCREENED OR PROTECTED PASS-THROUGH KITCHEN WINDOWS 42 INCHES (1067 MM) OR HIGHER WITH A COUNTER BENEATH
2. ALL DOORS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED WITH A SELF-CLOSING, SELF-LATCHING DEVICE WITH POSITIVE MECHANICAL LATCHING/LOCKING INSTALLED A MINIMUM OF 54 INCHES (1372 MM) ABOVE THE THRESHOLD, WHICH IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
R4501.17.1.10
WHERE AN ABOVE-GROUND POOL STRUCTURE IS USED AS A BARRIER OR WHERE THE BARRIER IS MOUNTED ON TOP OF THE POOL STRUCTURE, AND THE MEANS OF ACCESS IS A LADDER OR STEPS, THE LADDER OR STEPS EITHER SHALL BE CAPABLE OF BEING SECURED, LOCKED OR REMOVED TO PREVENT ACCESS, OR THE LADDER OR STEPS SHALL BE SURROUNDED BY A BARRIER WHICH MEETS THE REQUIREMENTS OF SECTIONS R4501.17.1.1 THROUGH R4501.17.1.9 AND SECTIONS R4501.17.1.12 THROUGH R4501.17.1.14. WHEN THE LADDER OR STEPS ARE SECURED, LOCKED OR REMOVED, ANY OPENING CREATED SHALL NOT ALLOW THE PASSAGE OF A 4-INCH-DIAMETER (102 MM) SPHERE.
R4501.17.1.11
STANDARD SCREEN ENCLOSURES WHICH MEET THE REQUIREMENTS OF SECTION R4501.17 MAY BE UTILIZED AS PART, OR ALL, OF THE "BARRIER" AND SHALL BE CONSIDERED A "NONDWELLING" WALL. REMOVABLE CHILD BARRIERS SHALL HAVE ONE END OF THE BARRIER NONREMOVABLE WITHOUT THE AID OF TOOLS.
R4501.17.1.12
THE BARRIER MUST BE PLACED AROUND THE PERIMETER OF THE POOL AND MUST BE SEPARATE FROM ANY FENCE, WALL, OR OTHER ENCLOSURE SURROUNDING THE YARD UNLESS THE FENCE, WALL, OR OTHER ENCLOSURE OR PORTION THEREOF IS SITUATED ON THE PERIMETER OF THE POOL, IS BEING USED AS PART OF THE BARRIER, AND MEETS THE BARRIER REQUIREMENTS OF THIS SECTION.
R4501.17.1.13
REMOVABLE CHILD BARRIERS MUST BE PLACED SUFFICIENTLY AWAY FROM THE WATER'S EDGE TO PREVENT A YOUNG CHILD OR MEDICALLY FRAIL ELDERLY PERSON WHO MAY MANAGE TO PENETRATE THE BARRIER FROM IMMEDIATELY FALLING INTO THE WATER. SUFFICIENTLY AWAY FROM THE WATER'S EDGE SHALL MEAN NO LESS THAN 20 INCHES (508 MM) FROM THE BARRIER TO THE WATER'S EDGE. DWELLING OR NONDWELLING WALLS INCLUDING SCREEN ENCLOSURES, WHEN USED AS PART OR ALL OF THE "BARRIER" AND MEETING THE OTHER BARRIER REQUIREMENTS, MAY BE AS CLOSE TO THE WATER'S EDGE AS PERMITTED BY THIS CODE.
R4501.17.1.14
A WALL OF A DWELLING MAY SERVE AS PART OF THE BARRIER IF IT DOES NOT CONTAIN ANY DOOR OR WINDOW THAT OPENS TO PROVIDE DIRECT ACCESS FROM THE HOME TO THE SWIMMING POOL.
R4501.17.1.14.1 ADJACENT WATERWAYS.
PERMANENT NATURAL OR PERMANENT MAN-MADE FEATURES SUCH AS BULKHEADS, CANALS, LAKES, NAVIGABLE WATERWAYS, ETC., ADJACENT TO A PUBLIC OR PRIVATE SWIMMING POOL OR SPA MAY BE PERMITTED AS A BARRIER WHEN APPROVED BY THE AUTHORITY HAVING JURISDICTION. WHEN EVALUATING SUCH BARRIER FEATURES, THE AUTHORITY MAY PERFORM ON-SITE INSPECTIONS AND REVIEW EVIDENCE SUCH AS SURVEYS, AERIAL PHOTOGRAPHS, WATER MANAGEMENT AGENCY STANDARDS AND SPECIFICATIONS, AND ANY OTHER SIMILAR DOCUMENTATION TO VERIFY, AT A MINIMUM, THE FOLLOWING:
1. THE BARRIER FEATURE IS NOT SUBJECT TO NATURAL CHANGES, DEVIATIONS, OR ALTERATIONS AND IS CAPABLE OF PROVIDING AN EQUIVALENT LEVEL OF PROTECTION AS THAT PROVIDED BY THE CODE.
2. THE BARRIER FEATURE CLEARLY IMPEDES, PROHIBITS OR RESTRICTS ACCESS TO THE SWIMMING POOL OR SPA.
R4501.17.1.15
A MESH SAFETY BARRIER MEETING THE REQUIREMENTS OF SECTION R4501.17 AND THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE CONSIDERED A BARRIER AS DEFINED IN THIS SECTION:
1. INDIVIDUAL COMPONENT VERTICAL SUPPORT POSTS SHALL BE CAPABLE OF RESISTING A MINIMUM OF 52 POUNDS (229 N) OF HORIZONTAL FORCE PRIOR TO BREAKAGE WHEN MEASURED AT A 36-INCH (914 MM) HEIGHT ABOVE GRADE. VERTICAL POSTS OF THE CHILD MESH SAFETY BARRIER SHALL EXTEND A MINIMUM OF 3 INCHES (76 MM) BELOW DECK LEVEL AND SHALL BE SPACED NO GREATER THAN 36 INCHES (914 MM) APART.
2. THE MESH UTILIZED IN THE BARRIER SHALL HAVE A MINIMUM TENSILE STRENGTH ACCORDING TO ASTM D 5034 OF 100 POUNDS PER FOOT (149 KG/M), AND A MINIMUM BALL BURST STRENGTH ACCORDING TO ASTM D 3787 OF 150 POUNDS PER FOOT (223 KG/M). THE MESH SHALL NOT BE CAPABLE OF DEFORMATION SUCH THAT A 1/4 -INCH (6.4 MM) ROUND OBJECT COULD PASS THROUGH THE MESH. THE MESH SHALL RECEIVE A DESCRIPTIVE PERFORMANCE RATING OF NO LESS THAN "TRACE DISCOLORATION" OR "SLIGHT DISCOLORATION" WHEN TESTED ACCORDING TO ASTM G 53 (WEATHERABILITY, 1,200 HOURS).
3. WHEN USING A MOLDING STRIP TO ATTACH THE MESH TO THE VERTICAL POSTS, THIS STRIP SHALL CONTAIN, AT A MINIMUM, #8 BY 1/2-INCH (12.7 MM) SCREWS WITH A MINIMUM OF TWO SCREWS AT THE TOP AND TWO AT THE BOTTOM WITH THE REMAINING SCREWS SPACED A MAXIMUM OF 6 INCHES (152 MM) APART ON CENTER.
4. PATIO DECK SLEEVES (VERTICAL POST RECEPTACLES) PLACED INSIDE THE PATIO SURFACE SHALL BE OF A NONCONDUCTIVE MATERIAL.
5. A LATCHING DEVICE SHALL ATTACH EACH BARRIER SECTION AT A HEIGHT NO LOWER THAN 45 INCHES (11 613 MM) ABOVE GRADE. COMMON LATCHING DEVICES THAT INCLUDE, BUT ARE NOT LIMITED TO, DEVICES THAT PROVIDE THE SECURITY EQUAL TO OR GREATER THAN THAT OF A HOOK AND EYE TYPE LATCH INCORPORATING A SPRING ACTUATED RETAINING LEVER (COMMONLY REFERRED TO AS A SAFETY GATE HOOK).
6. THE BOTTOM OF THE CHILD MESH SAFETY BARRIER SHALL NOT BE MORE THAN 1 INCH (25 MM) ABOVE THE DECK OR INSTALLED SURFACE (GRADE).
R4501.17.2 INDOOR SWIMMING POOLS.
ALL WALLS SURROUNDING INDOOR SWIMMING POOLS SHALL COMPLY WITH SECTION R4501.17.1.9.
R4501.17.3 PROHIBITED LOCATIONS.
A BARRIER MAY NOT BE LOCATED IN A WAY THAT ALLOWS ANY PERMANENT STRUCTURE, EQUIPMENT, OR WINDOW THAT OPENS TO PROVIDE ACCESS FROM THE HOME TO THE SWIMMING POOL.

REVISIONS



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SIGN AND SEAL

MANUEL E. TORRES, PE

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Dade City, FL 33525
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PROJECT:	SWIMMING POOL PLAN
OWNER:	ELIGES INVESTOR CONSTRUCTION
ADDRESS:	9841 S.W. 73rd COURT, PINECREST FL, 33156

DRAWN:	
DATE:	11.06.2025
JOB No:	25077
DRAWING NO.	SP 1 of 6

SITE PREPARATION

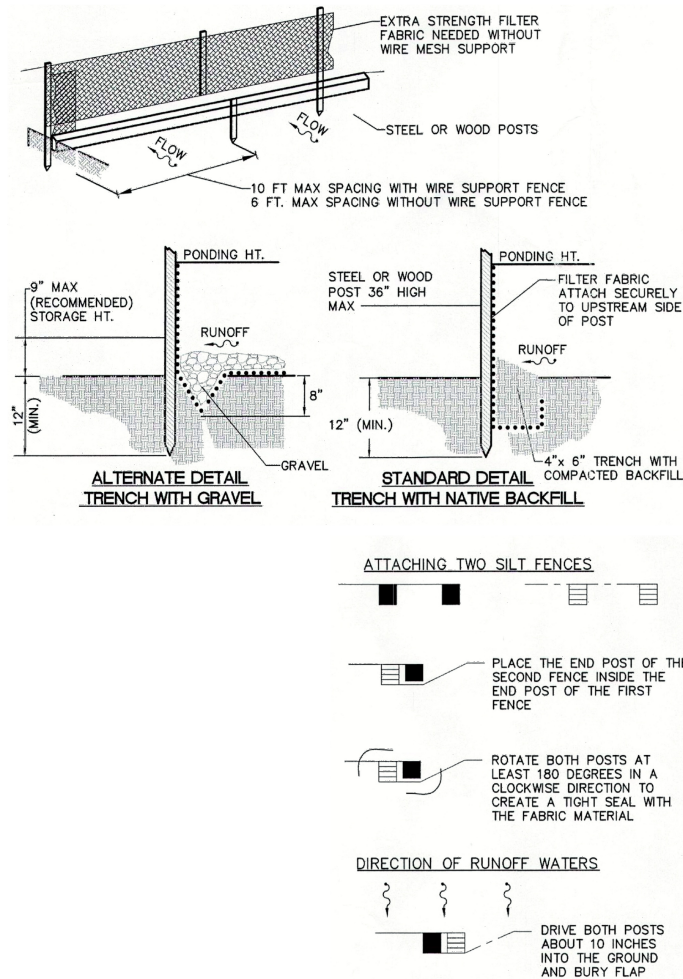
- EXCAVATION SHALL REMOVE ALL GRASS, WEEDS, ROOTS, AND ANY DEBRIS.
- EXISTING SOFT SILT AND ORGANIC SOIL LAYER SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
- SAND AND LIME ROCK SOIL CAN BE STOCKEPILED AND USED AS BACKFILL.
- ONCE THE ORGANIC LAYER HAS BEEN REMOVED, THE DEMUCKED SURFACE SHALL BE COMPACTED.
- FILL THEM IN LIFTS NOT EXCEEDING 12 INCHES IN LOOSE THICKNESS.
- EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH VIBRATORY COMPACTION EQUIPMENT.
- FILL SHALL CONSIST OF CLEAR SAND AND LIME STONE OR GRAVEL. FILL MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 3" AND NO MORE THAN 10 % PASSING THE NO. 200 SIEVE.

SOIL STATEMENT:

BY VISUAL INSPECTION, FOUNDATION SYSTEM HAS BEEN DESIGNED USING A PRESUMPTIVE LOAD-BEARING CAPACITY OF 2000 PSF. THE SOIL COMPOSITION AT THE SITE CONSISTS OF LIMEROCK MIXED WITH SANDY MATERIAL. AT THE TIME OF CONSTRUCTION AND AFTER THE GROUND HAS BEEN BROKEN A LETTER FROM THE EOR OR THE ARCHITECT OF RECORD WILL BE SUBMITTED TO THE BUILDING OFFICIAL ATTESTING THAT THE EOR OR ARCHITECT OF RECORD HAS OBSERVED THE SITE AND THE SOIL CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN WAS BASED.

LEGAL DESCRIPTION:

LOT 3, BLOCK 1, "HILLMONT SUBDIVISION". ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 64, AT PAGE 98, OF THE PUBLIC RECORD OF MIAMI-DADE COUNTY, FLORIDA.



TEMPORARY EROSION AND
TURBIDITY CONTROL DETAIL N.T.S.

- PROPOSED SWIMMING POOL SHALL NOT REPRESENT A FLOODING THREAT FOR THE ADJACENT PROPERTIES
- EXISTING GRADING SHALL REMAIN AFTER POOL CONSTRUCTION

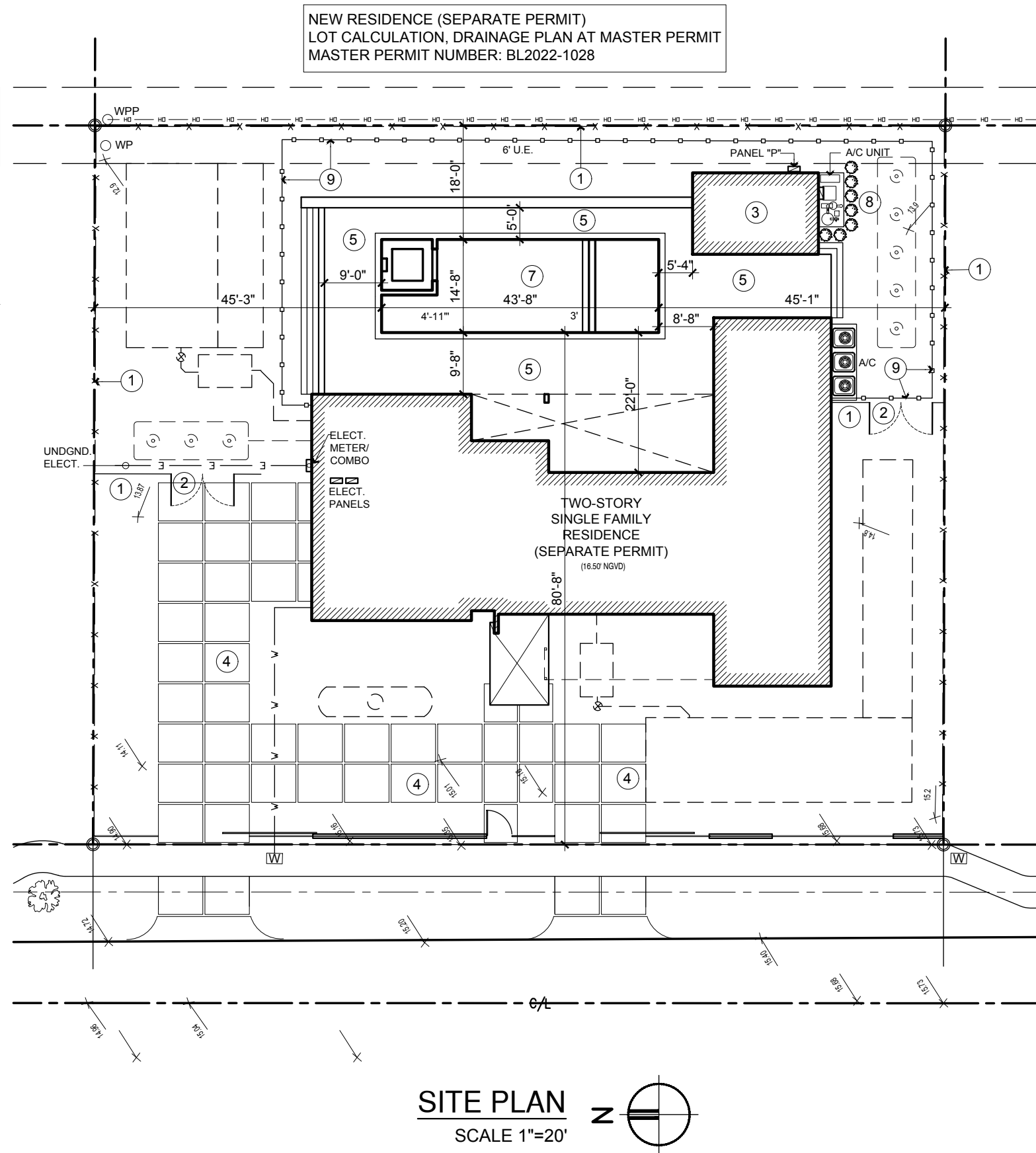
RESIDENTIAL SWIMMING POOL BARRIER SHALL COMPLY WITH F.B.C. 2023 R4501.17.1 TO R4501.17.3

LEGEND

- 5' CHAIN LINK FENCE TO BE USED AS PART POOL BARRIER
- 10' WIDTH SELF CLOSING DOUBLE GATE W/ SELF LATCH W/ LOCKING DEVICE 54" ABOVE FINISH GRADE. (COMPLYING W/ F.B.C. R 4501.17.1) DETAIL AT MASTER PLAN PAGE A-1.3
- GUEST ROOM
- CONCRETE DRIVEWAY
- CONCRETE DECK (SEPARATE PERMIT) COMPLYING SLOPE AND DIRECTION AS PER F.B.C. R401.3. DRAIN TOWARD THE PERIMETER AREA AND AWAY FROM FOUNDATIONS. ANSI/NSPI-5 '14 7.2.1. R4413.1.2
- COVERED TERRACE
- NEW SWIMMING POOL (THIS PERMIT)
- NEW POOL EQUIPMENT/ SCREENED WITH SHRUBS ON BED WITH MULCH/ ELECT. 60A SUB PANEL (POOL AUTOMATION)
- SILT FENCE (FILTER FABRIC) ALL AROUND CONSTRUCTION AREA. SEE TEMPORARY EROSION AND TURBIDITY CONTROL DETAIL THIS PAGE

NOTE: HOUSE WALL USED AS PORTION OF SAFETY BARRIER WITH DIRECT ACCESS TO POOL NEED ALARM ON WINDOWS/DOORS

BARRIER SCHEDULE	
RESIDENTIAL SWIMMING POOLS.	
SHALL COMPLY WITH R 4501.17.1 F.B.C. 2023	
BARRIER	DESCRIPTION
ALARM	ALL WINDOWS AND DOORS W/ DIRECT ACCESS TO POOL
C.L.F.	5' HIGH



SITE PLAN
SCALE 1"=20'

REVISIONS

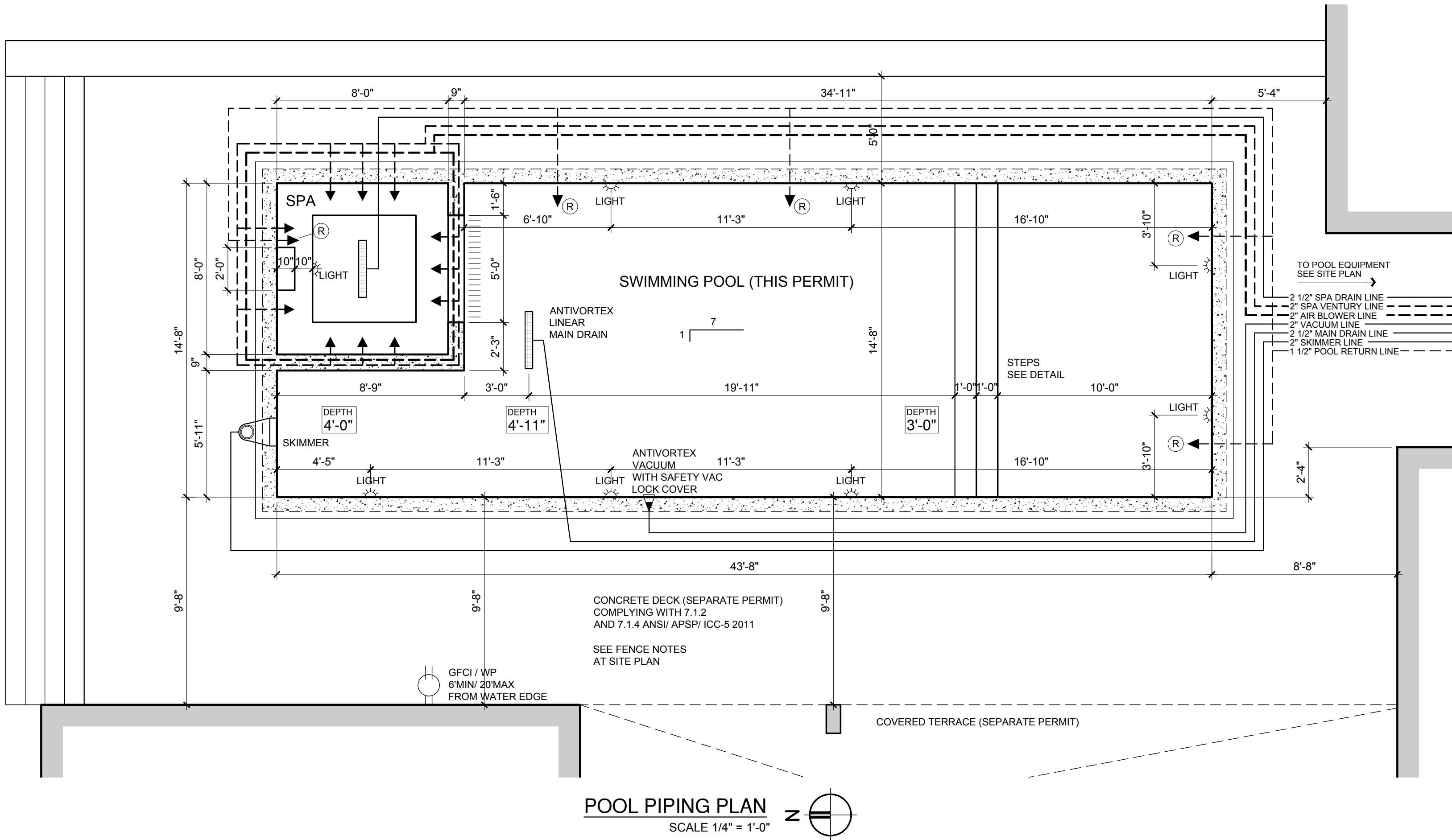
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PROJECT: **SWIMMING POOL PLAN**
OWNER: **ELIGES INVESTOR CONSTRUCTION**
ADDRESS: **9841 S.W. 73rd COURT, PINECREST FL, 33156**

DRAWN: **L BL**
DATE: **11.06.2025**
JOB No: **25077**
DRAWING NO. **SP 2 of 6**



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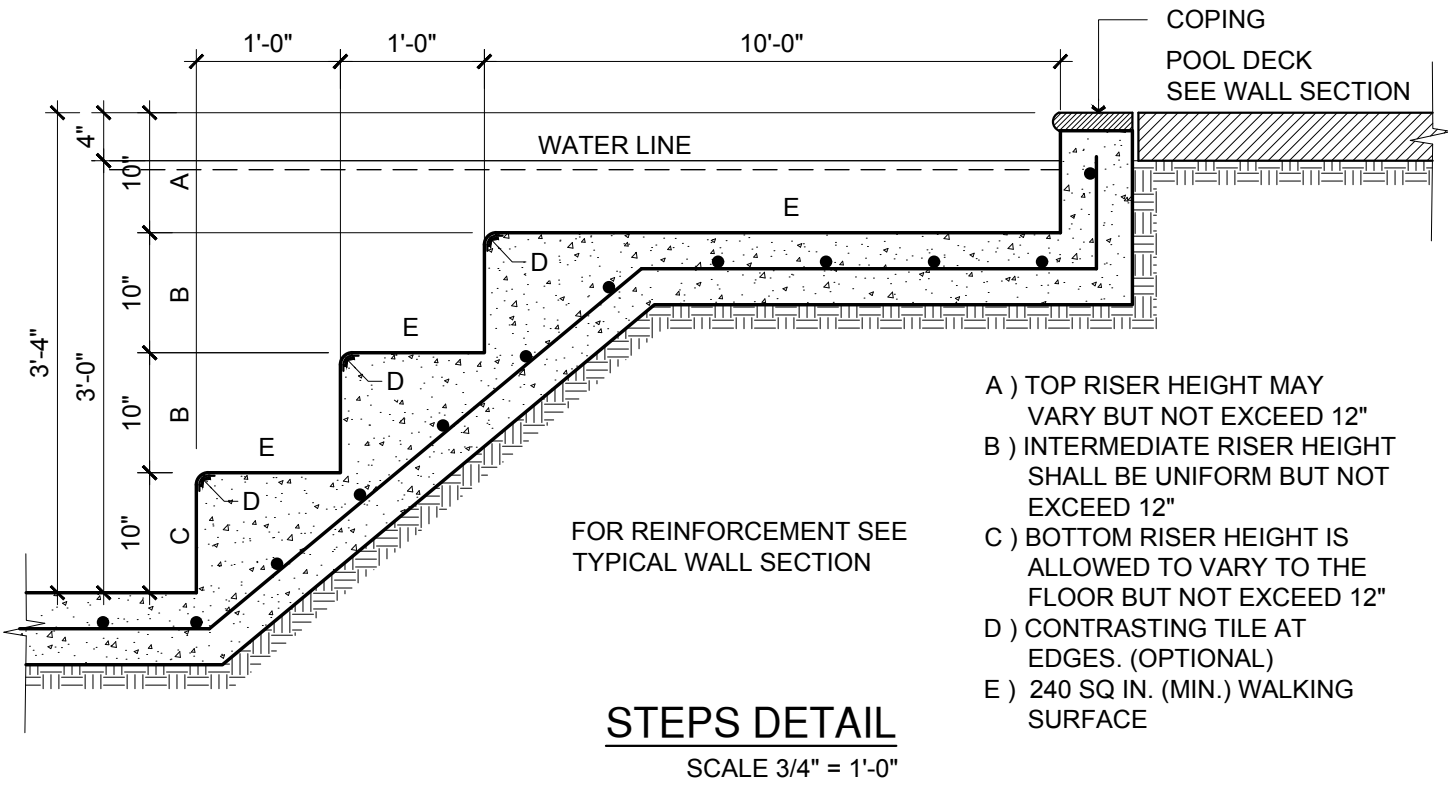
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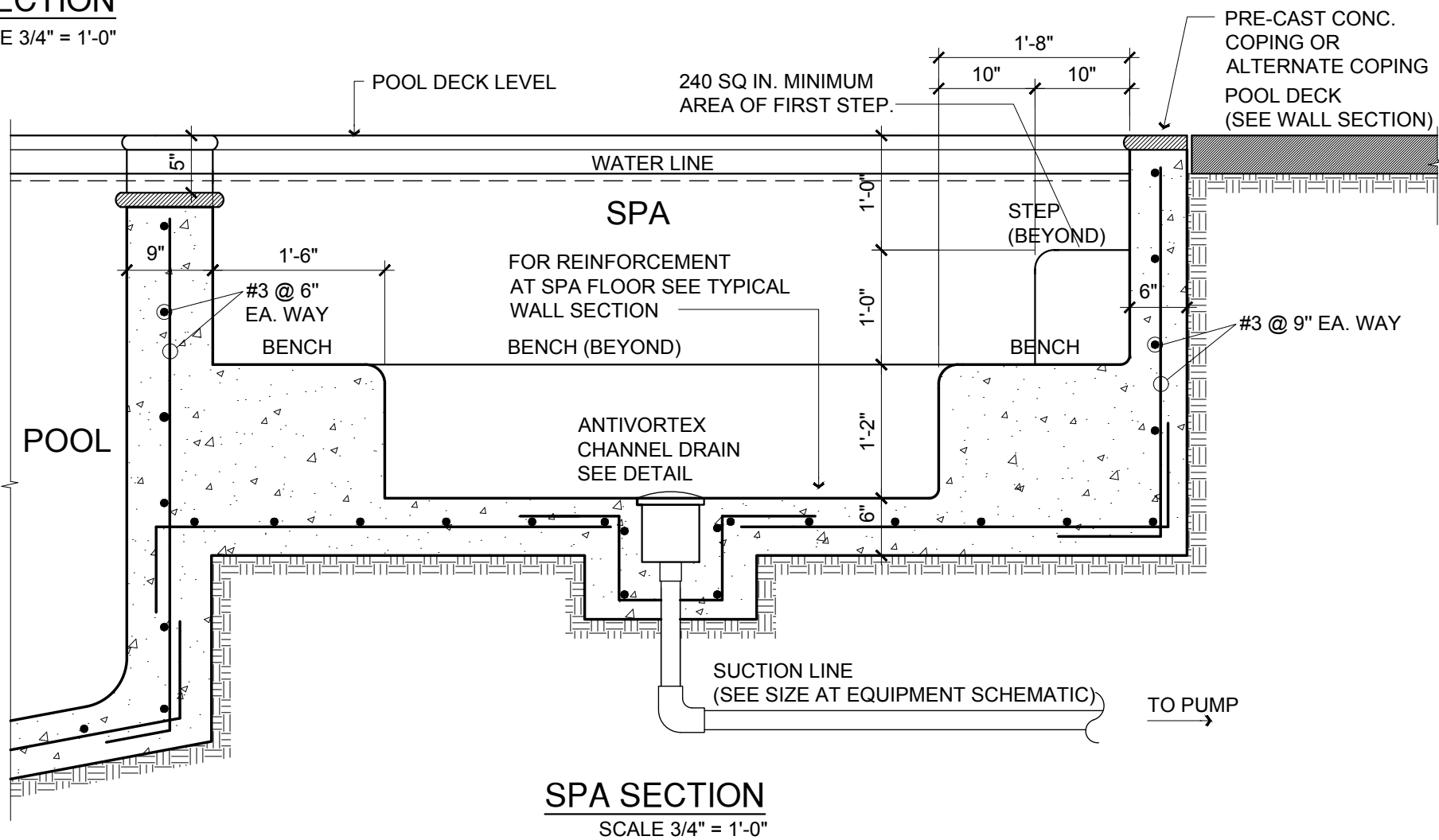
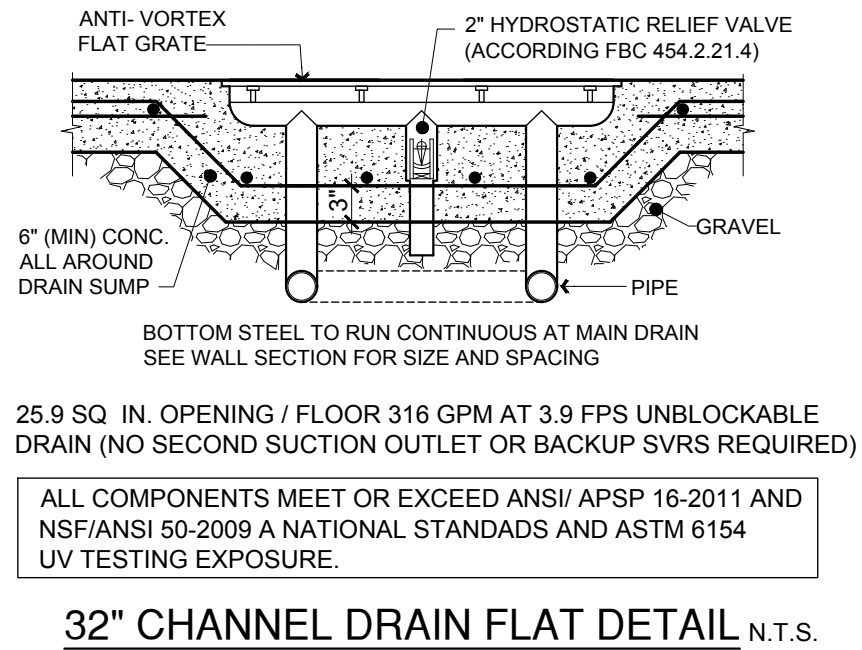
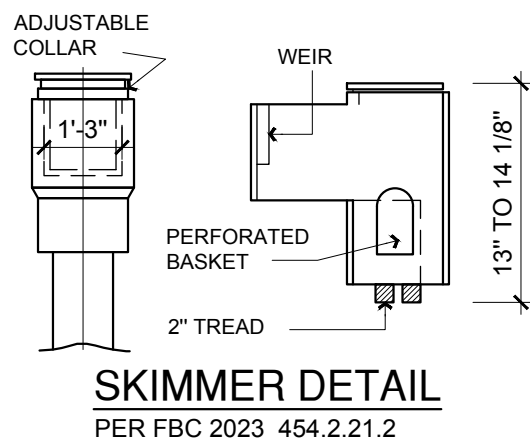
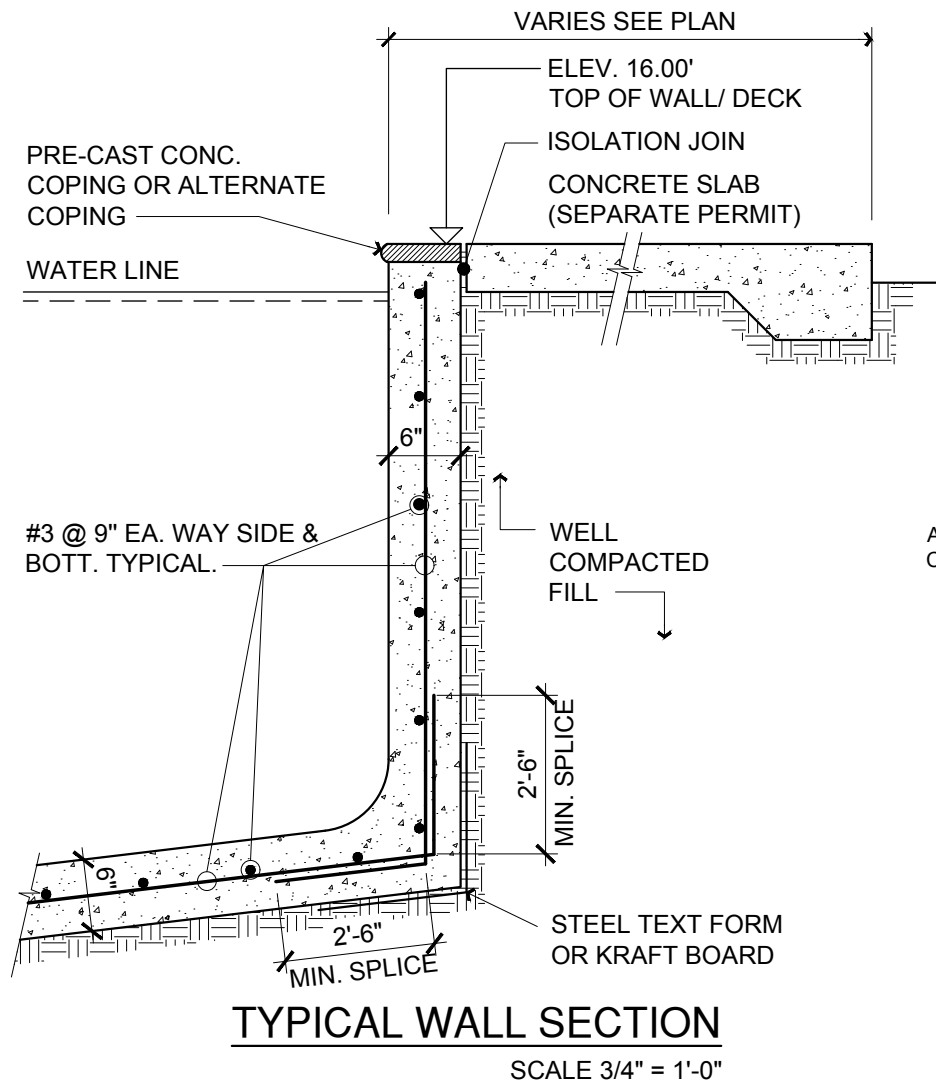
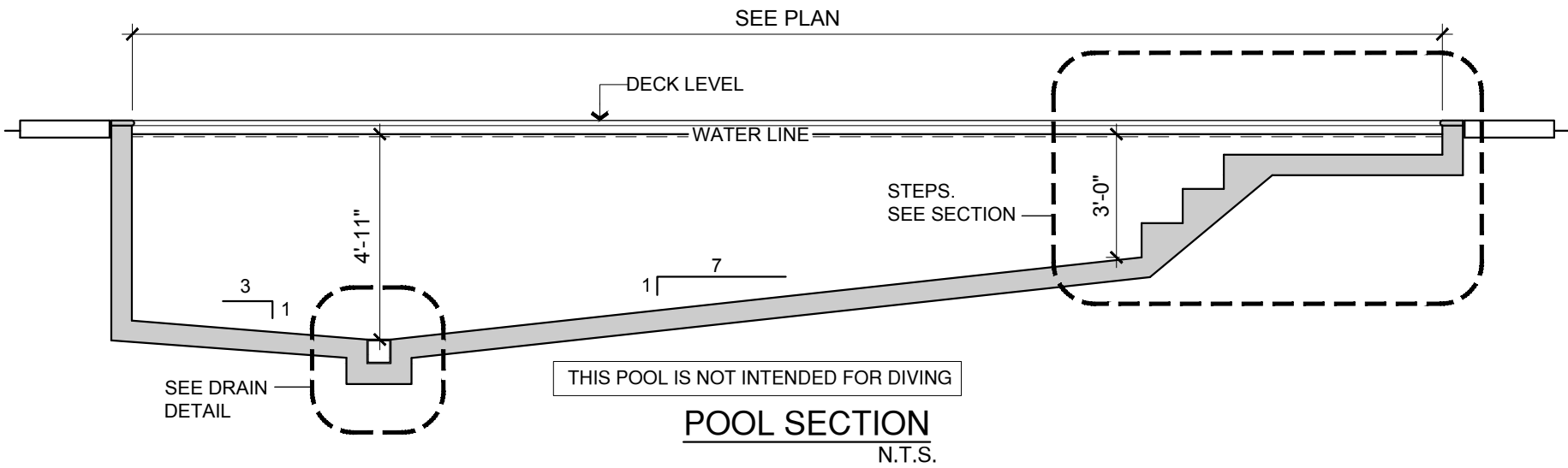
REVISIONS

FLotation ANALYSIS	ELEVATIONS	UNITS
TOP OF POOL WALL ELEVATION . (NGVD)	16.00	FT
DIST FROM TOP OF WALL TO WATER LEVEL	4	IN
DEPTH OF POOL AT DEEP END	4.92	FT
DEPTH OF POOL AT SHALLOW END	3.00	FT
CONTROLLING WATER DEPTH (@ DEEP END)	4.92	FT
LEVEL @ DEEP END @ BOTTOM OF SLAB. (NGVD)	10.25	FT
FLOOD CRITERIA LEVEL (NGVD) ZONE "X"	9.00	FT
INICIAL WATER HEAD	NO HEAD	FT
LESS HYDROVERTICAL RELIEF FBC 1618.2.4	-2	FT
ADJUSTED WATER HEAD	NO UPLIFT	FT
UPLIFT PRESSURE	NO UPLIFT	PSF
TOTAL UPLIFT FORCE IN 1 FT STRIP @ DEEP END	NO UPLIFT	Lbs

ANALYSIS FOR 1 FT STRIP AT DEEP END		UNITS
POOL WIDTH	14.67	FT
POOL 1 FT STRIP AREA	14.67	SF
WALLS HEIGHT	5.75	FT
WATER	62.40	PCF
CONCRETE WEIGHT	150.00	PCF
SLAB THICKNESS	6	IN
WALLS THICKNESS	6	IN
SLAB UPLIFT RESISTING PRESSURE	75.00	PSF
SLAB UPLIFT RESISTING FORCE	1100.25	Lbs
WALLS UPLIFT RESISTING FORCE	863.00	Lbs
WALL FRICTION in PSF $Q_t = A_s \times f_s$	20.00	PSF
WALL FRICTION FORCE (two sides)	230.13	Lbs
TOTAL RESISTING FORCE	2193.38	Lbs
CHECKING: RESISTING FORCE / ACTING UPLIFT	NO UPLIFT	OK



- A) TOP RISER HEIGHT MAY VARY BUT NOT EXCEED 12"
- B) INTERMEDIATE RISER HEIGHT SHALL BE UNIFORM BUT NOT EXCEED 12"
- C) BOTTOM RISER HEIGHT IS ALLOWED TO VARY TO THE FLOOR BUT NOT EXCEED 12"
- D) CONTRASTING TILE AT EDGES. (OPTIONAL)
- E) 240 SQ IN. (MIN.) WALKING SURFACE



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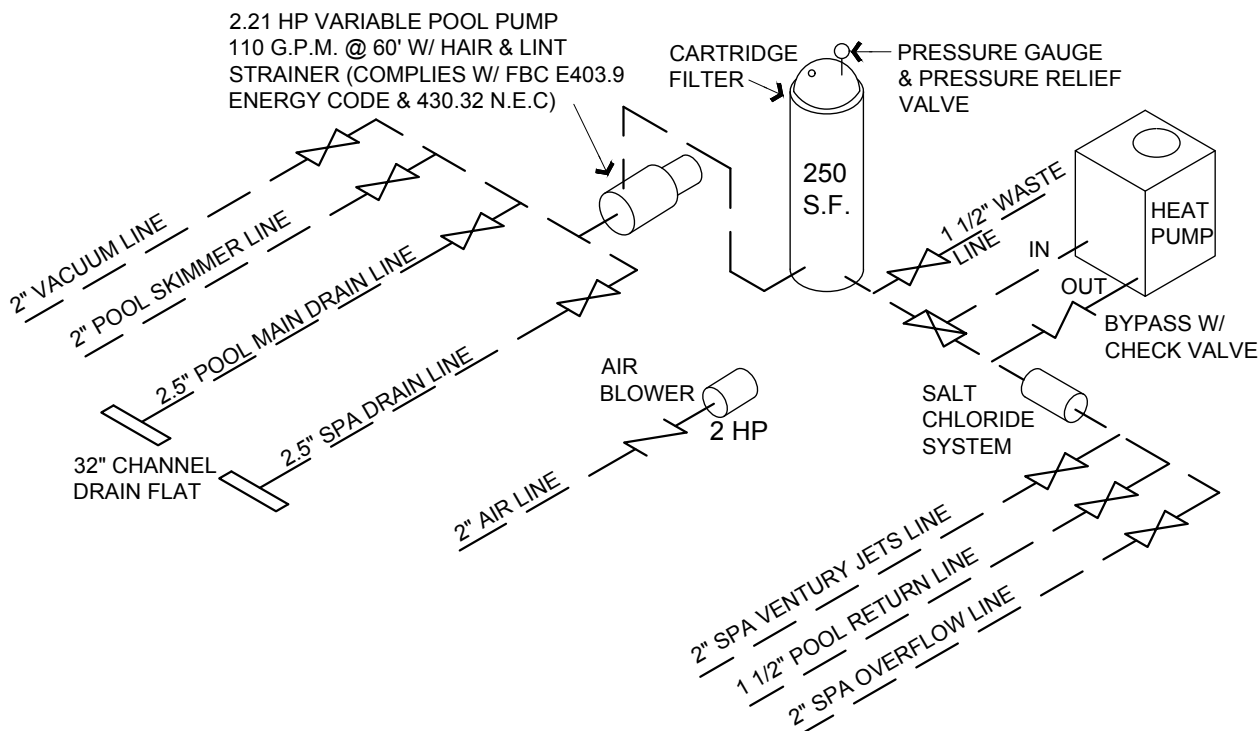
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POOL / SPA DATA		UNITS
POOL AREA	564.00	SF
SPA AREA	64.00	SF
POOL + SPA AREA	628.00	SF
POOL PERIMETER	116.80	FT
SPA PERIMETER	32.00	FT
TOTAL PERIMETER	148.80	FT
AVERAGE POOL DEPTH	3.96	FT
POOL CAPACITY	16706.13	(GALLONS)
SPA AVERAGE DEPTH	3.00	FT
SPA CAPACITY	1436.16	(GALLONS)
TOTAL CAPACITY (POOL/ SPA)	18142.29	(GALLONS)

POOL PUMP SIZE	2.21	HP
POOL PUMP CAPACITY (HEAD 60 FT)	110	(GAL/MIN)
CARTRIDGE FILTER	250	SF
FILTRATION RATE	110	(GAL/MIN&PM)
POOL TURNOVER	2.53	(HRS)
SPA TURNOVER	0.22	(HRS)
POOL LIGHTS	7	UNITS
SPA LIGHTS	1	UNITS
BUBBLER JET	-	UNITS
AIR BLOWER	2	HP
DECK JETS	-	UNITS
SHEER DESCENT	-	UNITS
HEAT PUMP	YES	
DECK PERIMETER	-	FT
DECK AREA (CONCRETE)(MASTER PERMIT)	-	SF
BENCHS STAIRS AREA	215.00	SF
BENCHES STAIRS PERIMETER	64.00	FT
BENCHES STAIRS VOLUME	11.93	CUBIC-FEET
POOL/ SPA VOLUME	22.63	CUBIC-YARD
APPROX. TOTAL OF VOLUME OF CONC.	34.56	CUBIC-YARD

PIPE SIZE	PRESSURE FLOW CAPACITY (10FPS)	SUCTION FLOW CAPACITY(8FPS)
1.5"	55 gpm	44 gpm
2.0"	97 gpm	78 gpm
2.5"	152 gpm	122 gpm
3.0"	222 gpm	176 gpm

R4501.6.3 WATER VELOCITY. POOL PIPING WAS DESIGNED SO THE WATER VELOCITY WILL NOT EXCEED 10 FEET PER SECOND (3048 MM/S) FOR PRESSURE PIPING AND 8 FEET PER SECOND (2438 MM/S) FOR SUCTION PIPING, EXCEPT THAT THE WATER VELOCITY SHALL NOT EXCEED 8 FEET PER SECOND (2438 MM/S) IN COPPER TUBING. MAIN SUCTION OUTLET VELOCITY MUST COMPLY WITH ANSI/APSP/ICC 7



POOL FILTRATION SYSTEM
EQUIPMENT SCHEMATIC

REVISIONS

This item has been electronically signed and sealed by Manuel E. Torres PE # 82079 on the date adjacent to the seal using a SHA authentication code.
Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

SIGN AND SEAL

MANUEL E. TORRES, PE

PE 82079
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Dade City, FL 33525
Phone: (305) 975-9959
torresmanuelpe@gmail.com

PROJECT:

OWNER:

ADDRESS:

SWIMMING POOL PLAN

ELIGES INVESTOR CONSTRUCTION

9841 S.W. 73rd COURT, PINECREST FL, 33156

DRAWN:

DATE:

JOB No:

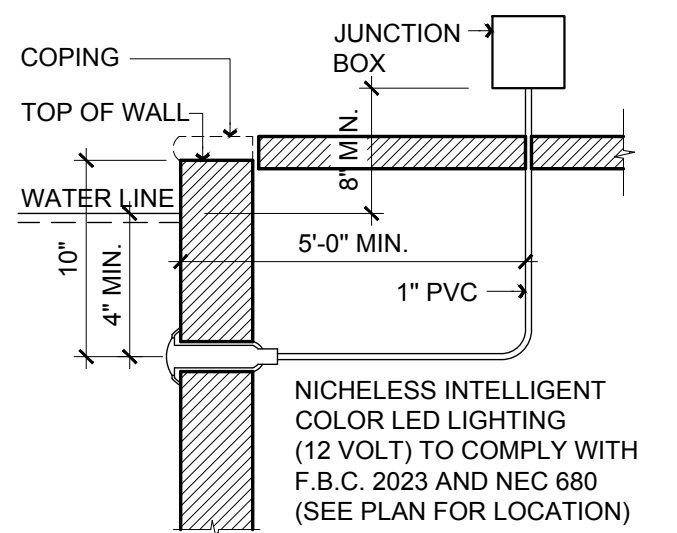
DRAWING NO.

11.06.2025

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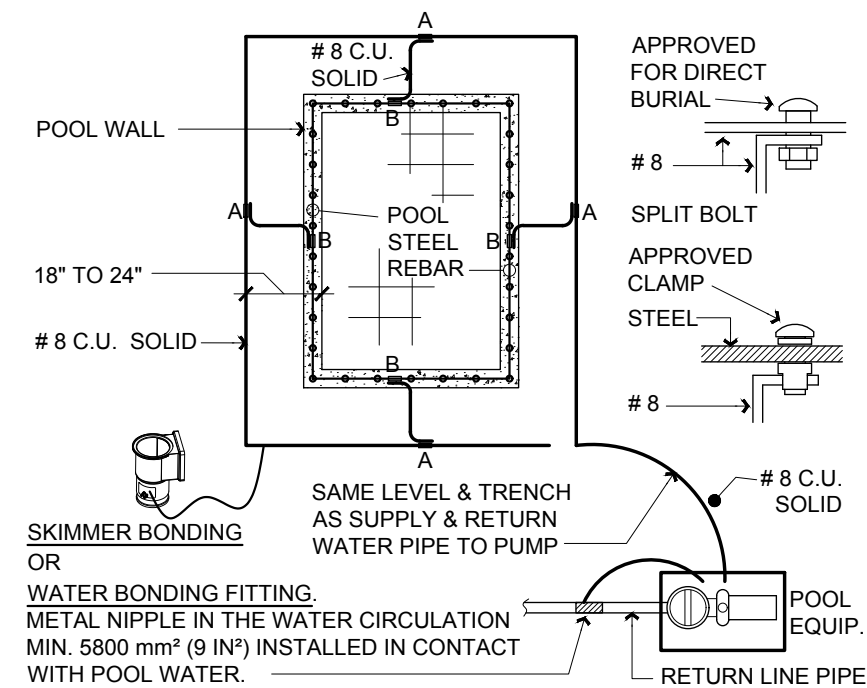
SP 5 of 6

LOAD CALCULATION (STANDARD METHOD)	PNL"A(I)"	PNL"A(II)"	PNL"P"
SQUARE FEET OF CONDITION SPACE	3,470	1,450	250
GENERAL LIGHTING AT 3 W.S.F	10,410	4,350	750
SMALL APPLIANCES CIRCUITS	3	0	0
SMALL APPLIANCES LOAD	4,500	0	0
OTHER LIGHTING	600	3,400	600
CEILING FANS	0	0	0
GARAGE DOOR OPENER & GATE MOTOR	900	2,400	0
LAUNDRY CIRCUIT LOAD	1,500	0	0
RANGE / OVEN OR COOK TOP	0	0	0
DOUBLE OVEN	0	8,000	0
DRYER	0	0	0
HOT WATER HEATER	0	11,200	11,200
SPRINKLER PUMP	0	2,200	2,200
POOL EQUIPMENT	0	10,600	10,600
SPA EQUIPMENT	0	0	0
REFRIGERATOR	600	0	0
DISHWASHER	1,200	0	0
DISPOSER	900	0	0
WHIRPOOL	0	1,500	0
OTHER LOAD 120V	2,400	2,760	0
OTHER LOAD 240V	0	3,300	0
HEATING OR A/C @ 100%(LARGEST LOAD)	28,360	2,200	2,200
DEMAND			
GENERAL LIGHTING & REC.	17,910	10,150	1,350
FIRST 3 KVA @ 100%	3,000	3,000	1,350
NEXT 117 KVA @ 35%	5,219	2,503	0
REMAINDER @ 25%	0	0	0
HEATING OR A/C @ 100%	28,360	2,200	2,200
APPLIANCE LOAD (75% IF > 4 APPLIANCES)	3,825	19,020	13,350
DRYER	0	0	0
RANGES	0	8,000	0
TOTAL	40,404	40,923	23,100
AMP AT 240 VOLT	168	170	96



SECTION UNDER WATER LAMP

N.T.S.



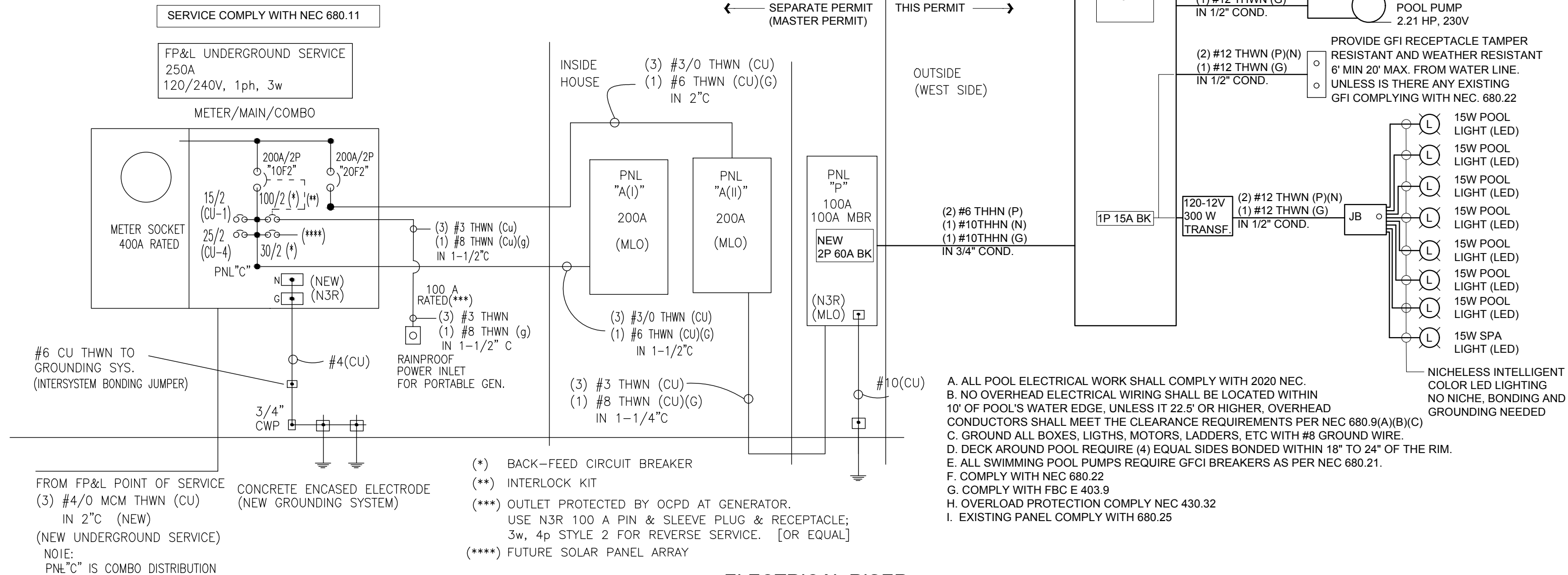
#8 AWG BARE SOLID C.U. CONDUCTOR
 - SHALL FOLLOW THE CONTOUR OF THE PERIMETER SURFACE
 - APPROVED DEVICES OR EXOTHERMIC WELDING SHALL BE PERMITTED
 - CONDUCTOR SHALL BE 18 IN TO 24IN FROM THE INSIDE POOL
 - CONDUCTOR SHALL BE SECURED WITHIN OR UNDER THE PERIMETER SURFACE 4IN TO 6IN BELOW THE SUBGRADE.

EQUIPOTENTIAL BONDING GRID DETAIL

TO COMPLY 2020 NEC 680.26 (B) & (C)

ELECTRICAL NOTES

1. INSTALL WIRING AND DEVICES AS INDICATED IN POOL ELECTRICAL SCHEMATIC DIAGRAM. INSTALL DISCONNECT SWITCH AT MOTOR IF NOT WITHIN 5' OF FUSED SWITCH AT SERVICE POINT. ELECTRICAL LIGHT CONNECTION TO COMPLY WITH NEC 680-1575 ART. 680.
2. ALL METALLIC PARTS OF THE WATER STRUCTURE, INCLUDING CONDUITS, PIPING SYSTEM, REINFORCING STEEL OF THE POOL SHELL, COPING STONES, DECK, FIXTURE HOUSING, LADDERS AND THEIR SUPPORTS SHALL BE BONDED TO A COMMON BONDING GRID AND GROUND TO A COMMON GROUND [680.26(C)]. BONDING CONDUCTORS SHALL NOT BE SMALLER THAN A #8 COPPER WIRE.
3. THE GFCI RECEPTACLE TO BE NO LESS THAN 6" AND NOT MORE THAN 20' AWAY FROM THE INSIDE WALL OF THE POOL.
4. ALL DISCONNECTING MEANS [ARTICLE 404] AND SWITCHES MUST BE LOCATED AT LEAST 5 FT. HORIZONTALLY FROM THE INSIDE WALLS OF A POOL UNLESS SEPARATED FROM THE POOL BY A SOLID FENCE, WALL, OR OTHER PERMANENT BARRIER [680.22(C)].
5. LUMINARIES, LIGHTING OUTLETS AND FANS INSTALLED IN THE AREA EXTENDING BETWEEN 5 & 10 FT FROM INSIDE WALL OF POOL SHALL BE GFCI PROTECTED. NEC 680.22(B)(4)



ELECTRICAL RISER

REVISIONS

SIGN AND SEAL

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