PROPERTY DESCRIPTION

ADDRESS: 7725 SW 114TH ST , MIAMI, FL 33156
FOLIO/ ID: 20-5010-002-1030
ZONING CODE: EU-1-RESIDENTIAL ESTATE (1 UNIT PER ACRE)

LEGAL DESCRIPTION

10 55 40
SUNILAND ESTS 1ST ADD PB 50-58
LOT 14 BLK 14
LOT SIZE IRREGULAR
F/A/U 30-5010-002-1030

FLOOD ZONE INFORMATION

FLOOD ZONE: X

APPLICABLE CODES

(F.B.C) 2023 FL. BUILDING CODE

PROJECT NAME/ OWNER:

HERITAGE HOMEBUILDERS II LLC

POOL BARRIER NOTES

POOL SAFETY BARRIER (CHILD FENCE)
F.B.C. 2023 - R4501.17 RESIDENTIAL SWIMMING BARRIER REQUIREMENT

BARRIER	DESCRIPTION
CHILD FENCE	48" HIGH ALL AROUND POOL

R4501.17.1.11
REMOVABLE CHILD BARRIERS SHALL HAVE ONE END OF THE BARRIER NON-REMOVABLE 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 NON-DWELLING 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.

R4501.17.1.15
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).

RESIDENTIAL SWIMMING POOL BARRIER REQUIREMENT:

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 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.
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 1¾ 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 1¾ 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 1¾ 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 ½ 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:
ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2020 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.

GENERAL NOTES

POOL GENERAL NOTES

1. SWIMMING POOL WAS DESIGNED ACCORDING TO FBC R4501.6. (8th EDITION) (ANSI/ APSP/ICC 5-11 & ANSI/APSP/ICC 7-13)
2. 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.
3. 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.
4. 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 POOL'S WATER EDGE.
5. DO NOT DRAIN POOL UNDER HIGH GROUND WATER OR STORM CONDITIONS.
6. CONTRACTOR TO FOLLOW FLOTATION ANALYSIS AS INDICATED.
7. CONTRACTOR SHALL VERIFY ALL PLAN DIMENSIONS AND CONDITIONS AT THE JOB SITE AND REPORT ANY INCONSISTENCIES TO THE ENGINEER, IF ANY CHANGES ARE REQUIRED; OTHERWISE, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY OF SUCH CHANGES AND ANY REQUIRED REVISION TO THE PLANS.
8. PRIOR TO EXCAVATION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NECESSARY PERSONNEL FOR LOCATING ANY AND ALL UTILITIES THAT MAY EXIST. CALL SUNSHINE STATE ONE CALL PRIOR TO DIGGING FOR VERIFICATION OF LOCATIONS.
9. ALL DECKS PROVIDED SHALL HAVE A MINIMUM SLOPE FOR DECK OF 1/8" PER LINEAR FOOT TO EFFECTIVELY DRAIN TOWARD THE PERIMETER AREA OR DECK DRAIN. ALL DECK SURFACES SHALL BE OF SLIP-RESISTING MATERIALS, INCLUDING, BUT NOT LIMITED TO, SPECIAL DECK FEATURES SUCH AS MARKERS AND BRAND INSIGNIAS (PER ANSI/NSPI-5 '03 7.2.1 & 7.2.3.)
10. THE DESIGN ENGINEER TAKES NO REASONABILITY FOR POOL CONSTRUCTION IN EASEMENTS, RESERVATION AREAS OR REQUIRED SETBACK AREAS. POOL CONTRACTOR AND/OR OWNER SHALL VERIFY ALL SHOWN DIMENSIONS IN FIELD AND ESTABLISH LOT LINES PRIOR TO CONSTRUCTION.
11. DO NOT DRAIN POOL UNDER HIGH GROUND WATER OR STORM CONDITIONS.
12. WARNING! DO NOT EMPTY POOL AFTER CONSTRUCTION FOR REPAIRS OR ANY OTHER REASON BEFORE CONSULTING WITH A POOL OR POOL REPAIR CONTRACTOR. HYDROSTATIC UPLIFT PRESSURES MUST BE ELIMINATED TO PREVENT POOL FROM FLOATING ABOVE GROUND, AND CAUSING DAMAGE TO THE STRUCTURAL INTEGRITY OF THE POOL.
13. CONTRACTOR IS RESPONSIBLE OF PROVIDING SHORING IF NEEDED.
14. ALL WORK IS SUBJECT TO FIELD INSPECTION AND APPROVAL BY THE CITY OF HOMESTEAD PUBLIC WORKS INSPECTOR PRIOR TO FINAL APPROVAL.

GENERAL NOTES

1. THIS PERMIT ENCOMPASSES THE CONSTRUCTION OF A NEW IN-GROUND SWIMMING POOL, ATTACHED SPA, AND A SUNKEN LOUNGE AREA. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE (8TH EDITION, 2023), THE CITY OF PEMBROKE PINES CODE OF ORDINANCES, AND APPLICABLE BROWARD COUNTY REGULATIONS.
2. ALL WORK IS SUBJECT TO FIELD INSPECTION AND APPROVAL BY THE CITY OF PEMBROKE PINES BUILDING DEPARTMENT
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
4. **THE RESIDENCE IS PART OF A NEW CONSTRUCTION PROJECT COVERED UNDER A SEPARATE MASTER PERMIT.** ALL SITE CONDITIONS, INCLUDING STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, LANDSCAPING, AND DRAINAGE ELEMENTS, ARE PROPOSED AS NEW UNDER THE MASTER PERMIT UNLESS OTHERWISE INDICATED.
5. FOR LANDSCAPING DETAILS, REFER TO THE APPROVED PLANS ASSOCIATED WITH THE MASTER PERMIT.
6. DRAINAGE DESIGN AND CALCULATIONS ARE PROVIDED IN THE CIVIL ENGINEERING PLANS SUBMITTED UNDER THE MASTER PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR UPLOADING THESE DOCUMENTS FOR REFERENCE AND ENSURING ALL DRAINAGE WORK COMPLIES WITH THE APPROVED CIVIL PLANS.
7. ALL ELEVATIONS HEREON ARE REFERENCED TO NGVD29

ELECTRICAL NOTES

1. ALL POOL ELECTRICAL WORK ELECTRICAL EQUIPMENT WIRING AND INSTALLATION, INCLUDING THE BONDING AND & GROUNDING OF POOL COMPONENTS SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE, (8TH EDITION) BUILDING.
2. ALL POOL ELECTRICAL WORKS, GROUNDING AND BONDING MUST BE CONFORM WITH THE NEC 2020. ART. 680
3. AT LEAST ONE GFCI PROTECTED, 125-VOLT RECEPTACLE OUTLET IS REQUIRED BETWEEN 6 AND 20 FEET OF THE INSIDE WALL OF THE POOL. NEC 680.22(A)(1)(RESIDENTIAL AND COMMERCIAL)
4. THE EQUIPMENT GROUNDING CONDUCTOR MUST BE A MINIMUM 12 AWG COPPER. NEC 680.21(A)(1); 680.23(F)(2);680.25(B)(1)
5. EQUIPOTENTIAL BONDING TO COMPLY WITH 2014 NEC 680.26(B) SHALL BE INSTALLED IN OR UNDER PAVED WALKING SURFACES FOR THREE FEET HORIZONTALLY BEYOND THE WALLS OF THE POOL. NEC 680.26(C) [4 POINTS & DECK BONDING (360 DEGREES)]
6. RECEPTACLEOUTLETS ARE NOT PERMITTED WITHIN 6 FEET OF THE INSIDE WALLS OF A POOL. NEC 680.22(A)(2)
7. POOL PUMP MOTOR CIRCUITS, MUST BE PROVIDED WITH GFCI PROTECTION. NEC 680.21(C)
8. LIGHTING OUTLETS MUST BE LOCATED A MINIMUM OF 5 FEET FROM THE INSIDE WALL OF A POOL OR MOUNTED A MINIMUM OF 12 FEET ABOVE THE MAXIMUM WATER LEVEL NEC 680.22(B)(1.)
9. OVERHEAD CONDUCTORS ARE NOT PERMITTED OVER THE POOL OR WITHIN 10 FEET HORIZONTALLY FROM THE EDGE OF THE POOL. FBC 424.1.4.2.4
10. OVERHEAD CONDUCTORS SHALL NOT BE PERMITTED OVER THE POOL OR WITHIN 10 FEET HORIZONTALLY FROM THE EDGE OF THE POOL UNLESS PROVIDED WITH CLEARANCE TO COMPLY WITH NEC 680.8.
11. A CONDUCTIVE ELEMENT THAT IS PART OF THE POOL BONDING SYSTEM MUST BE IN DIRECT CONTACT WITH THE POOL WATER. IN THE ABSENCE OF RAILS, LADDERS OR NICHES, A WATER BONDING SHALL MEET THE REQUIREMENT. NEC 680.26(C)
12. ALL METAL PARTS WITHIN 5 FEET OF THE POOL MUST BE BONDED TO A COMMON BONDING GRID. NEC 680.26(B)(5)
13. OUTLETS SUPPLYING POOL PUMP MOTORS CONNECTED TO SINGLE-PHASE 120-VOLT THROUGH 240-VOLT BRANCH CIRCUITS, WHETHER BY RECEPTACLE OR BY DIRECT CONNECTION, AND OUTLETS SUPPLYING OTHER ELECTRICAL EQUIPMENT AND UNDERWATER LUMINAIRES OPERATING AT VOLTAGES GREATER THAN THE LOW VOLTAGE CONTACT LIMIT, CONNECTED TO SINGLE-PHASE, 120 VOLT THROUGH 240 VOLT BRANCH CIRCUITS, RATED 15 OR 20 AMPERES, WHETHER BY RECEPTACLE OR BY DIRECT CONNECTION, SHALL BE PROVIDED WITH GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL

STRUCTURAL NOTES

ALL WORK SHALL COMPLY WITH THE F.B.C. EIGHTH EDITION (2023) .
THE AMERICAN CONCRETE INSTITUTE ACI-318-19, ASCE 7-22 AND ALL OTHERS APPLICABLE CODES AND REGULATIONS.

1. ALL POOL CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF F'c=3,500 PSI.
2. ALL PILE CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF F'c=5,000 PSI.
3. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF Fy=60,000 PSI.
4. ALL DECK CONCRETE (WHEN INSTALLED UNDER THESE PLANS) SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF F'C=2500 PSI.
5. THE DESIGN OF THIS PROJECT HAS INCORPORATED A RATIONAL DESIGN APPROACH BASED ON ACCEPTED ENGINEERING PRINCIPLES.
6. ALL REINFORCING STEEL SPLICES SHALL BE 24" IN LENGTH FOR #3 BARS AND 30" FOR #4 UNLESS OTHERWISE NOTED ON PLANS.
7. ALL REINFORCING STEEL HOOKS SHALL DEVELOP A LENGTH OF 9" FOR #3 BARS AND 11" FOR #4 BARS UNLESS OTHERWISE NOTED ON PLANS.
8. DEVELOPMENT FOR REINFORCING STEEL SHALL BE 18" FOR #3 BARS AND 24" FOR #4 BARS UNLESS OTHERWISE NOTED ON PLANS.
9. A 3" MINIMUM CLEAR CONCRETE COVER SHALL BE PROVIDED.

SOIL STATEMENT

A VISUAL INSPECTION AT JOB SITE SHOWED A SOIL COMPOSED OF SAND AND ROCK. A BEARING CAPACITY OF 2000 P.S.F. HAS BEEN ASSUMED. FURTHER MORE, UPON BREAKING OF GROUND, A LETTER SHALL BE SUBMITED TO THE BUILDING OFFICIAL VERIFYING AND ATTESTING THAT THE SITE CONDITIONS ARE SIMILAR TO THOSE UPON THE DESIGN BASED.

PLUMBING NOTES

(AS PER CHAPTER 45 FBC (8TH) EDITION PRIVATE SWIMMING POOLS)

1. ALL POOL EQUIPMENT PIPING SHALL BE SCHEDULE 40, PVC-PW, NON-THREADED, NSF APPROVED SUPPORTED CONTINUOUSLY ON GROUND OR ON MAXIMUM 4'-0" CENTERS WITH CLEVIS HANGERS.
2. ALL SUCTION PIPING SHALL BE 2" DIAMETER AND ALL PRESSURE PIPING 1-1/2" DIAMETER UNLESS OTHERWISE NOTED.
3. POOL WATER DISPOSAL SHALL BE IN ACCORDANCE WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
4. ANTI VORTEX MAIN DRAINS SHALL HAVE ITS PLATE SECURELY FASTENED WITH TAMPERPROOF SCREWS.
5. POOL VACUUM SHALL HAVE SPRING LOADED CAP IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
6. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-PLUMBING SECTION 309 AS IT PERTAINS TO BUOYANCY.
7. THE WATER VELOCITY THOUGH ALL SUCTION PIPING SHALL BE LESS THAN 8 FEET PER SECOND.
8. THE WATER VELOCITY THROUGH ALL PRESSURE PIPING SHALL BE LESS THAN 10 FEET PER SECOND.
9. ALL PIPING SHALL BE SUITABLE FOR EXPOSURE TO ULTRA VIOLET RADIATION AND NORMAL OPERATING TEMPERATURES.
10. R4501.7.1 STRAINER: POOL CIRCULATING PUMPS SHALL BE EQUIPPED ON THE INLET SIDE WITH AN APPROVED-TYPE HAIR AND LINT STRAINER WHEN USED WITH A PRESSURE FILTER.
11. VACUUM SHALL BE EQUIPPED WITH SELF-CLOSING SAFETY COVER REQUIRING TOOLS FOR REMOVAL.

DRAWING INDEX

N- 1	GENERAL NOTES
SP- 1	SITE PLAN
A- 1	ARCHITECTURAL PLAN
P- 1	PLUMBING PLAN
E- 1	ELECTRICAL PLAN
S- 1	STRUCTURAL PLAN

No.		DATE

ENGINEER:

REINALDO REMEDIOS, P.E
LICENSE No. 67772

REINALDO REMEDIOS LICENSE PE 67772 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Reinaldo Remedios
DN: c=US, o=Glarenet LLC, dnQualifier=A01410D0000018B8B5F53AE000031B0, cn=Reinaldo Remedios
Date: 2025.06.10 22:42:17 -04'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED ON THE DATE ADJACENT TO THE SEAL USING A AUTENTICATION CODE .

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE AND SEAL MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SCOPE OF WORK:

CONSTRUCTION DOCUMENTS FOR PROPOSED POOL, SPA & SUNKEN AREA

SHEET No:

N-1