

OUTDOOR SWIMMING BARRIER

COMPLYING WITH 5TH EDITION (2014) R4501.17.1.1 THROUGH R4501.17.1.15

THE TOP OF THE BARRIER SHALL BE AT LEAST 48 INCHES (1219 MM) ABOVE THE 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).

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.

SOLID BARRIERS WHICH DO NOT HAVE OPENINGS SHALL NOT CONTAIN INDENTATIONS OR PROTRUSIONS EXCEPT FOR NORMAL CONSTRUCTION TOLERANCES AND TOOLED MASONRY JOINTS.

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 FENCE 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.

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.

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 1 3/4 INCHES (44 MM).

WHERE THE BARRIER IS COMPOSED OF DIAGONAL MEMBERS, THE MAXIMUM OPENING FORMED BY THE DIAGONAL MEMBERS SHALL BE NO MORE THAN 1 3/4 INCHES (44 MM).

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 LOOKING 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.

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 2017 THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DB A AT 10 FEET (3048 MM). THE EXIT ALARM SHALL PRODUCE A CONTINUOUS AUDIBLE WARNING WHEN THE DOOR AND ITS SCREEN ARE OPENED. THE ALARM SHALL SOUND IMMEDIATELY AFTER THE DOOR IS OPENED AND BE CAPABLE OF BEING HEARD THROUGHOUT THE HOUSE DURING NORMAL HOUSEHOLD ACTIVITIES. THE ALARM SHALL 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.

WHERE AN ABOVEGROUND 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 LOCATED OUTSIDE THE POOL OR BE REMOVABLE WITHOUT THE AID OF TOOLS. THE LADDER OR STEPS SHALL BE SURROUNDED BY 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.

STANDARD SCREEN ENCLOSURES WHICH MEET THE REQUIREMENTS OF SECTION R4501.17 MAY BE UTILIZED AS PART OF 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.

THE BARRIER MUST BE PLACED AROUND THE PERIMETER OF THE POOL AND MUST BE SEPARATE FROM ANY FENCE, WALL, OR OTHER ENCLOSURE SURROUNDING THE POOL. UNLESS THE POOL OR THE PERIMETER OF THE POOL IS BEING USED AS PART OF THE BARRIER, AND MEETS THE BARRIER REQUIREMENTS OF THIS SECTION.

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 OF ALL OF THE "BARRIER" AND MEETING THE OTHER BARRIER REQUIREMENTS, MAY BE AS CLOSE TO THE WATER'S EDGE AS PERMITTED BY THIS CODE. 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.

PROHIBITED LOCATIONS.

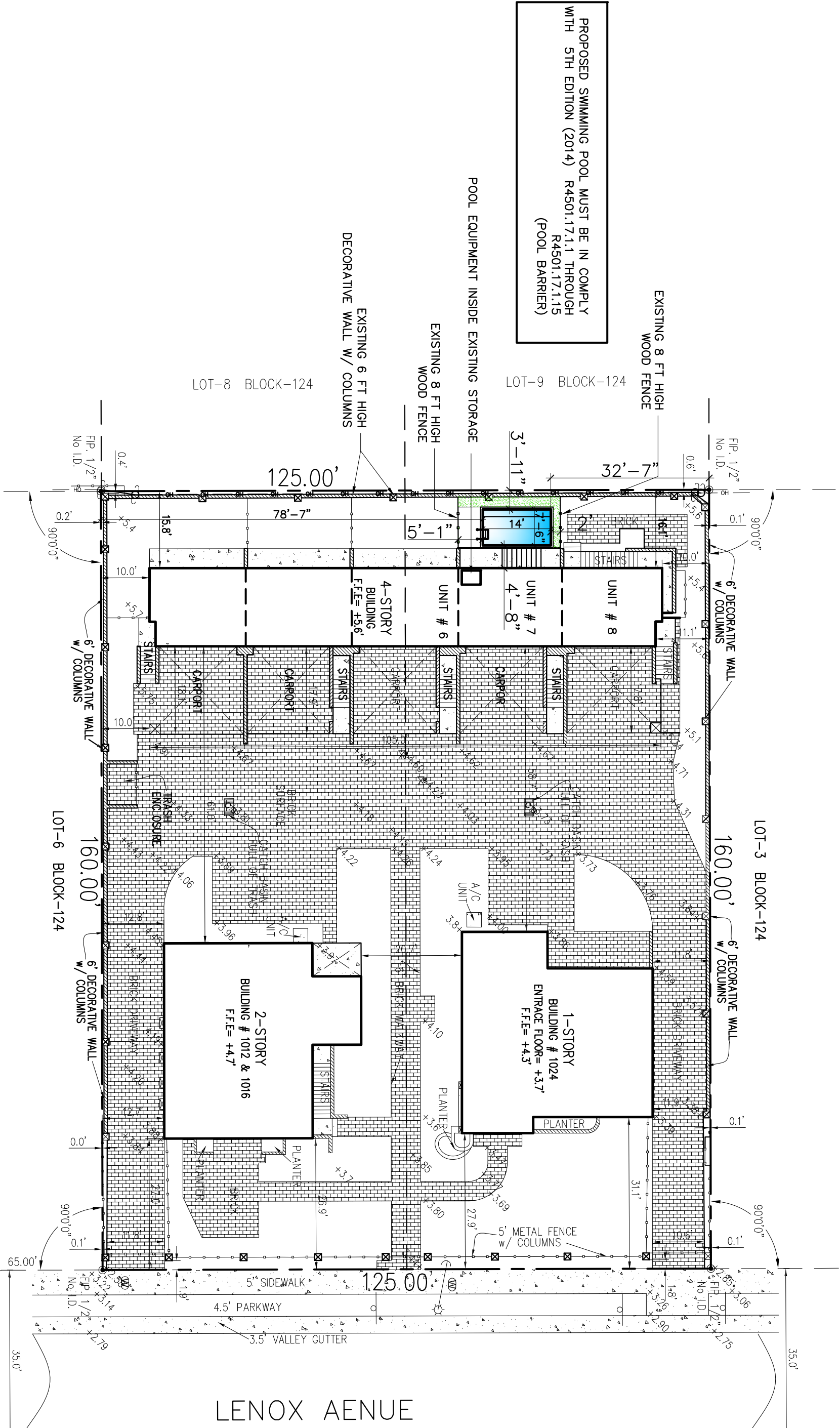
A BARRIER MAY NOT BE LOCATED IN A WAY THAT ALONGS ANY PERMANENT STRUCTURE, EQUIPMENT OR WINDOW THAT OPENS TO PROVIDE ACCESS FROM THE HOME TO THE SWIMMING POOL.

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 MUST BE PERMITTED AS A BARRIER. THE BARRIER SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF 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.

GENERAL NOTE:

1. CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR VERIFYING REQUIRED GRADE & FINISHED FLOOR ELEVATIONS WITH RESPECT TO COUNTY FLOOD CRITERIA, EXISTING GROUND OF ROAD ELEVATIONS, FEDERAL FLOOD CRITERIA OR ANY OTHER GOVERNING BODY.
2. OWNER AND CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING, BY CERTIFIED MAIL UPON COMMENCEMENT OF PROJECT.
3. THE OWNER SHALL BE SOLELY RESPONSIBLE FOR INVESTIGATION IN REFERENCE TO WHETHER STRUCTURE CAN BE BUILT ON SITE. PAYMENT OF THESE DRAWINGS CONSTITUTES ACCEPTANCE & AGREEMENT WITH THE FOLLOWING STATEMENT: NO PARTY SHALL INITIATE DELAY CLAIMS AGAINST VICENTE FRANCO, P.E. OR GIA SWIMMING POOL DESIGNING. LIABILITIES SHALL BE LIMITED TO FEES PAID TO THE DESIGN PROFESSIONAL.



SITE PLAN

SCALE: 1"=20'-0"



LEGAL:
LOTS 4 AND 5, IN BLOCK 124 OF LENOX MANOR ,
ACCORDING TO THE PLAT THEREOF
RECORDED IN PLAT BOOK 7, AT PAGE 15, OF THE PUBLIC
RECORD OF MIAMI -DADE COUNTY , FLORIDA

DRAWING BY
G.I.A
SWIMMING POOL
DESIGN, INC.
ROBERT@GIAPOOLDESIGN.COM
786-554-7804

NEW SWIMMING POOL FOR :
RENE HAGEN
1024 LENOX AVE UNIT: 7, Miami Beach, FL 33139-4812

VICENTE FRANCO
P.E. 62531
10776 N.W 84 LN #5
MIAMI, FL, 33178
(305) 305 5631

LEGAL:
SUNKIST ESTATES-A RESUB
PB 40-95 LOT 21 BLK 4 LOT SIZE
IRREGULAR OR 21169-1952 04/2003 4
COC 21607-1951 09 2003 1

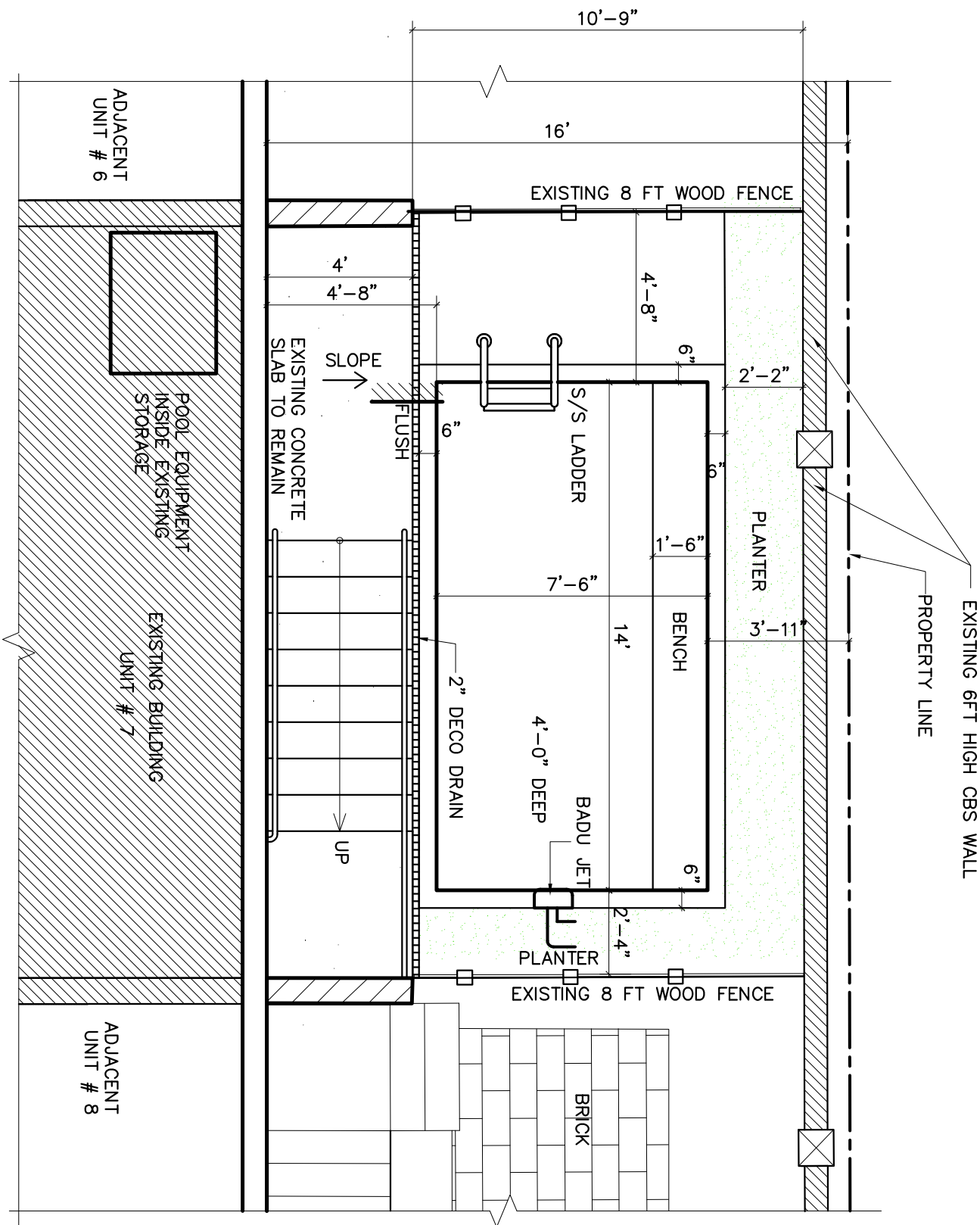
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LEGAL:
SUNKIST ESTATES-A RESUB
PB 40-95 LOT 21 BLK 4 LOT SIZE
IRREGULAR OR 21169-1952 04/2003 4
COC 21607-1951 09 2003 1



PROPOSAL POOL PLAN

SCALE: 1/4" = 1'-0"



NOTE: CONTRACTOR SHALL VERIFY ALL SETBACKS FROM
PROPERTY LINES AND STRUCTURES PRIOR TO EXCAVATION.
SHOULD ANY SETBACKS BE LESS THAN THE MINIMUM
REQUIREMENTS, EITHER BY OWNER OR BUILDING OFFICIAL, THE
ENGINEER SHALL BE NOTIFIED.

Lap Pool Details

Rene Hagen – 1024 Lenox Ave, Unit 7



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Size

◀ Step 2/6 ▶

1 Pool Type
☒ Performance

2 Size
☒ 8Ft
☒ 14Ft
☒ 42 in

3 Liner

4 Color

5 Coping System

6 Accessories

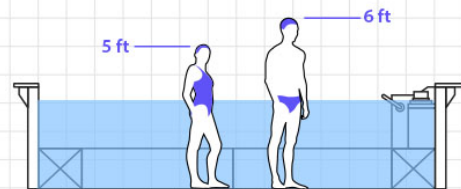
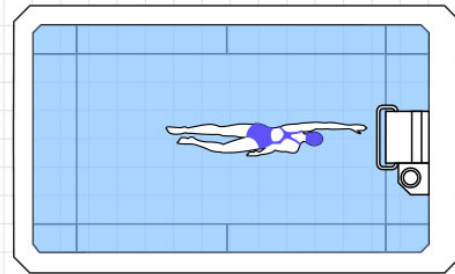
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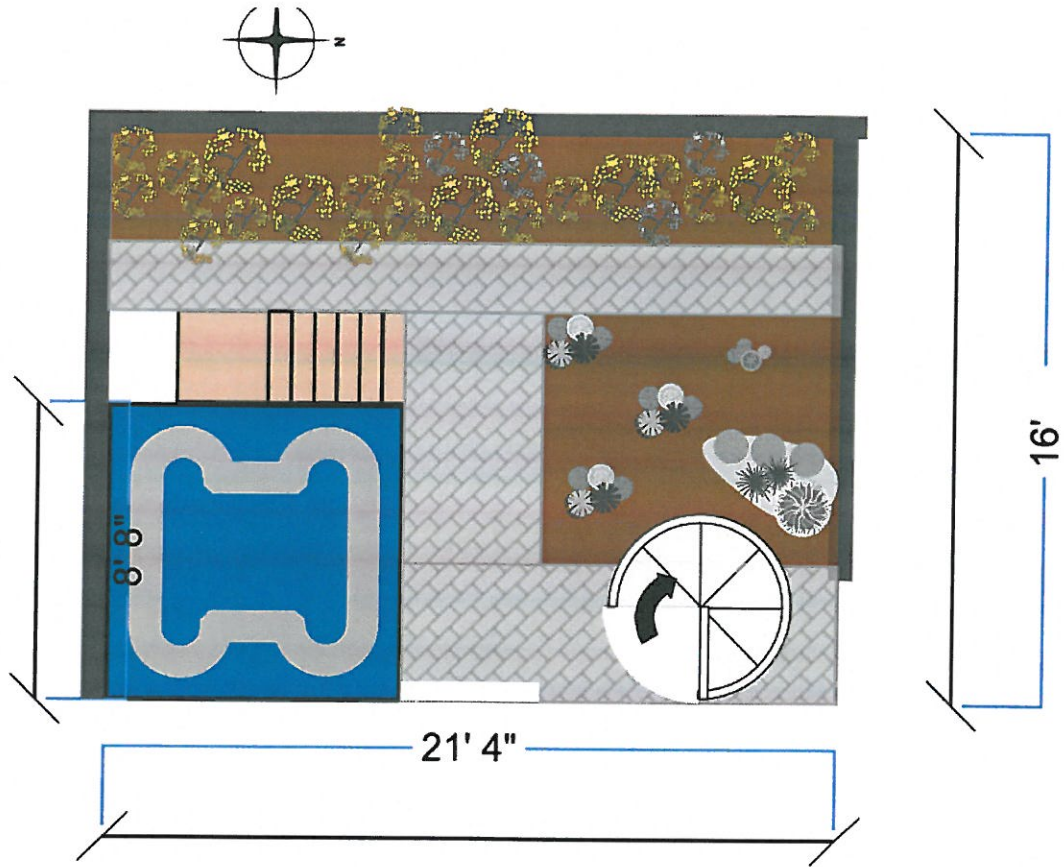
Perf Length
14Ft

Perf Depth
42 in



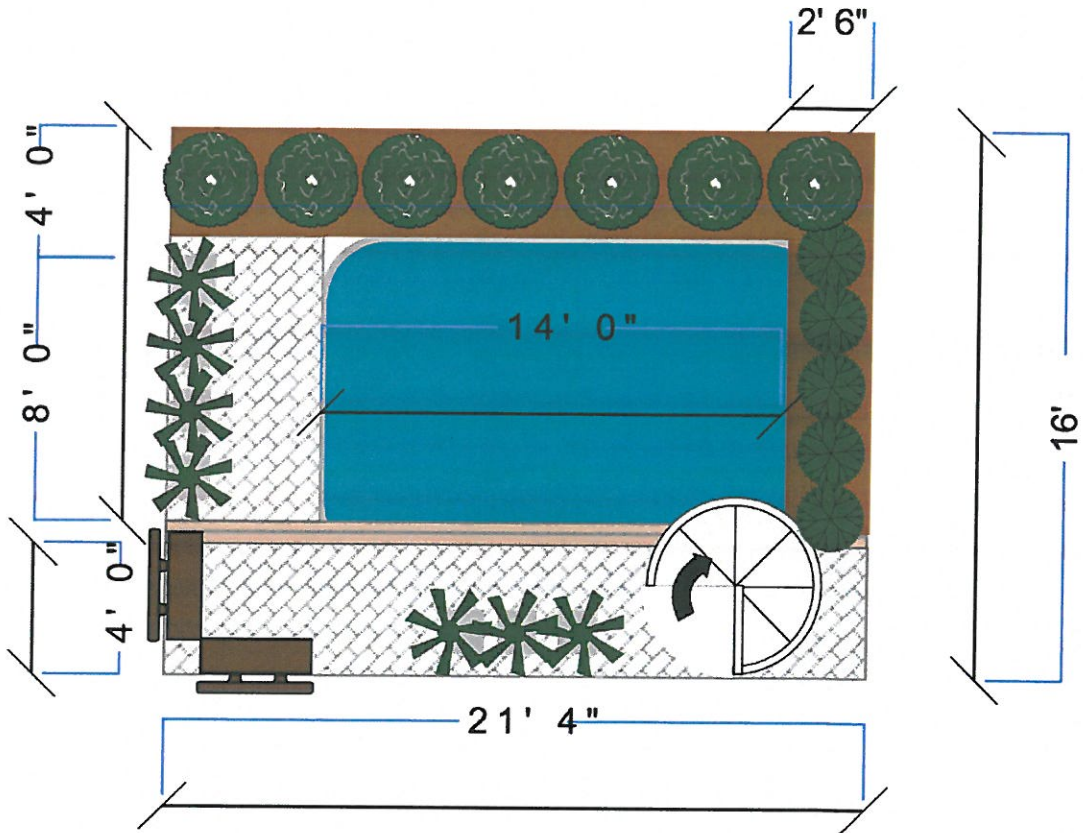
Concept Plans
Rene Hagen - 1024 Lenox Avenue, Unit 7

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Existing Conditions

Concept Plans
Rene Hagen - 1024 Lenox Avenue, Unit 7



Proposed Condition