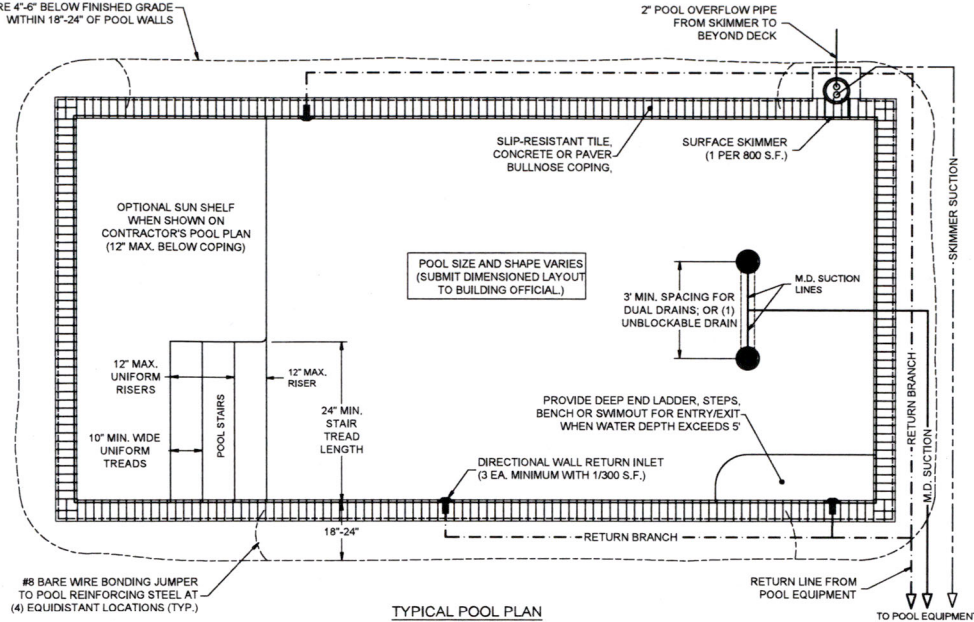
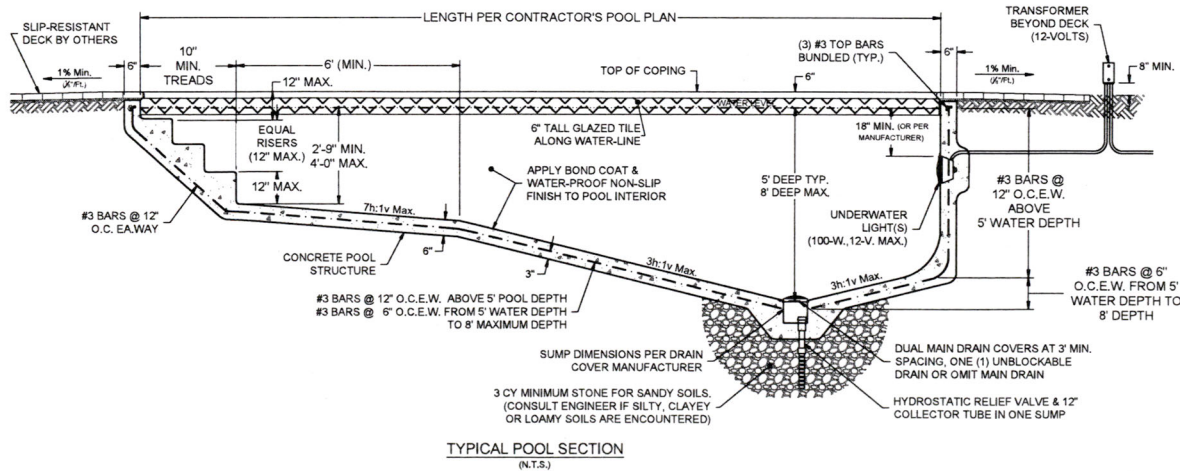


CONTINUOUS #8 BARE COPPER
WIRE 4"-6" BELOW FINISHED GRADE -
WITHIN 18"-24" OF POOL WALLS



TYPICAL POOL PLAN
(N.T.S.)



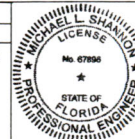
TYPICAL POOL SECTION
(N.T.S.)

THESE STANDARD DETAILS INDICATE TYPICAL BUILDING CODE REQUIREMENTS FOR IN-GROUND FLORIDA PRIVATE SWIMMING POOLS. SWIMMING POOL CONTRACTOR TO PROVIDE THE SITE SPECIFIC POOL PLAN TO THE BUILDING OFFICIAL FOR POOL ELEMENT LOCATIONS, LAYOUT AND DEPTHS.

FAMILY POOLS
2175 9th Street,
Sarasota, Florida 34247
(941) 345-6672
(CPC1457329)

CREST ENGINEERING
of Sarasota, LLC
2 Magic Oak Lane, Sarasota, Florida 34232
Phone: (941) 377-8811
Email: info@crestfl.com
Florida Engineering Firm No. 28100

Michael L. Shannon, P.E.
License No. 67896



STANDARD DETAILS

TYPICAL IN-GROUND PRIVATE SWIMMING POOL

MINIMUM RESIDENTIAL/PRIVATE SWIMMING POOL STANDARDS PER
FLORIDA BUILDING CODE, 8TH EDITION (2023) SECTION 454.2,
ANSI/APSP/ICC-3 (2014), ANSI/APSP/ICC-5a (2013) & ANSI/APSP/ICC-7 (2020)

SP-1

of 2

THESE TECHNICAL DETAILS ARE APPLICABLE TO IN-GROUND RESIDENTIAL SWIMMING POOLS OF LESS THAN 108,000 GALLONS AND 148 G.P.M. PUMP RATE.

APPLICABLE CODES: FLORIDA BUILDING CODE, 8TH EDITION (2023), SECTION 454.2 PRIVATE SWIMMING POOLS, ANSISPSP-3, ANSIAPSP-5, ANSIAPSP-7, & ANSIAPSPICC-15.

SAFETY BARRIERS FOR THE POOL SHALL BE PROVIDED IN ACCORDANCE WITH F.B.C. SECTION 454.2.17 TO INCLUDE OR A COMBINATION OF YARD FENCING, WINDOW AND DOOR ALARMS, SAFETY FENCING, POOL ALARM, AND/OR SCREEN ENCLOSURE WITH CHAIR RAIL. ALL DOOR & GATE LATCHES MOUNTED 54" ABOVE GRADE.

ALL SUCTION OUTLET FITTING ASSEMBLIES (DRAIN COVERS, FRAMES AND FASTENERS) ARE TO COMPLY WITH ANSISPMPCC-16 (2017) AND ARE TO BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.

ALL SUCTION OUTLET FITTING ASSEMBLIES MUST INCLUDE THE MANUFACTURER'S SUMP OR FIELD-BUILT SUMP WITH INTERIOR DIMENSIONS PER THE MANUFACTURER'S INSTRUCTIONS.

CONSTRUCT POOL ON COMPACTED OR UNDISTURBED SOIL WITH A 2,000 P.S.F. MINIMUM BEARING CAPACITY. CONTACT THE ENGINEER SHOULD ANY MARL, MUCK, CLAYEY, ORGANIC OR UNSUITABLE MATERIAL BE ENCOUNTERED IN THE POOL EXCAVATION FOR SOIL CORRECTION RECOMMENDATIONS.

THE LOCAL GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE POOL STRUCTURE DURING CONSTRUCTION AND ANY TIME THE POOL WATER IS EMPTY FOR MAINTENANCE.

POOL PIPING SHALL BE SCH. 40 PVC, STAMPED NSF-PW APPROVED. ALL PIPING, VALVES, EQUIPMENT AND MATERIALS USED SHALL CONFORM TO THE F.B.C., PLUMBING.

CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANSISNSF-50.

PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSIUL 1081. PUMPS EQUAL TO OR EXCEEDING 1 H.P. SHALL BE TWO SPEED MINIMUM WITH THE RECIRCULATION RATE MET A LOW SPEED OF AT LEAST $\frac{1}{2}$ THAT OF THE MAXIMUM PUMP SPEED.

ANY POOL LIGHTING, ALL ELECTRICAL WORK AND EQUIPMENT INSTALLATION MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE AND N.F.P.A. 70, (2017 EDITION) ARTICLE 680.

INSTALL A CONTINUOUS #8 BARE COPPER WIRE 4"-6" BELOW THE POOL DECK FINISHED GRADE WITHIN 18"-24" OF POOL WATER BONDED TO POOL REINFORCING STEEL AT (4) UNIFORMLY SPACED LOCATIONS AND BONDED TO ALL METALLIC COMPONENTS INCLUDING WIRE NICHES, FITTINGS, HANDRAILS, ELECTRICAL EQUIPMENT, PUMPS AND FIXED METAL PARTS WITHIN 5' OF THE POOL WATER.

HEAT PUMPS SHALL COMPLY WITH THE LATEST UL 559. ELECTRIC HEATERS SHALL COMPLY WITH UL 1261. ANY GAS PIPING SHALL COMPLY WITH F.B.C., FUEL GAS. GAS HEATERS SHALL COMPLY WITH LATEST ANSI-Z21.56.

ONE MEANS OF EXIT FROM THE SHALLOW AND DEEP END CONSISTING OF A LADDER, BENCH, UNDERWATER SEAT OR SWIM-OUT MUST BE PROVIDED FOR WATER DEPTH 5' OR GREATER. PROVIDE TWO MEANS OF EXIT FOR POOLS WIDER THAN 36'.

UNDERWATER SEATS, BENCHES, AND SWIM-OUTS SHALL BE A MAXIMUM OF 20" BELOW THE WATERLINE.

THIS POOL DOES NOT PROVIDE A MINIMUM DIVING WATER ENVELOPE. NO DIVING OR DIVING EQUIPMENT IS ALLOWED.

POOL PLUMBING PIPE SIZES SHALL BE PROVIDED BASED ON THE CONTRACTOR'S OR ENGINEER'S ANSISPSP / ICC COMPLIANCE CALCULATIONS WITH MINIMUM PIPE SIZES PER BELOW:

PUMP RATE (GPM)	RETURN LINES (10"/SEC.)	SUCTION LINES (8"/SEC.)
0 - 51	1½"	1½"
52 - 63	1½"	2"
64 - 84	2"	2"
85 - 104	2"	2½"
105 - 119	2½"	2½"
120 - 148	2½"	3"

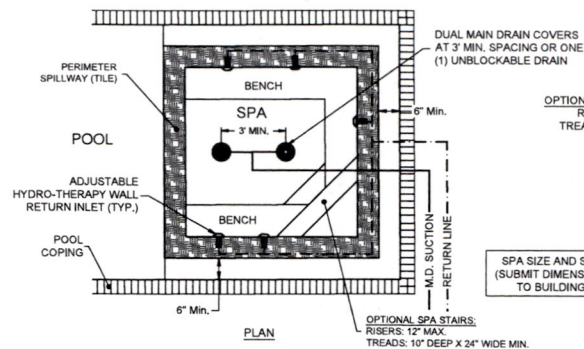
1. CONCRETE MATERIAL TO HAVE 3,500 PSI MINIMUM COMPRESSIVE STRENGTH (F_c') AT 28 DAYS.
2. REINFORCING STEEL TO BE GRADE 40 DEFORMED BARS WITH 2" MINIMUM COVER.
LAP SPLICE #3 BARS 16" MINIMUM.
3. DESIGN CRITERIA: DESIGN BASED ON ALLOWABLE STRESS CRITERIA OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023) WITH THE FOLLOWING LOADS AND ALLOWABLE STRESSES:

LATERAL SOIL LOAD:	60 psf/ft per ft. depth
LIVE LOAD:	40 psf
SOIL BEARING REQUIRED:	2,000 psf
CONCRETE COMP. STRESS:	1,575 psi (0.45F _c)
REINFORCING STEEL STRESS:	20,000 psi (Grd. 40)

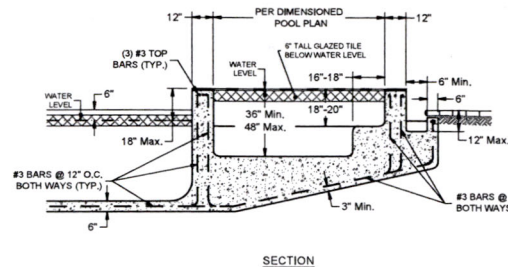
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SEP 17 2024

TOWN OF LONGBOAT KEY
Planning, Zoning & Building



SPA SIZE AND SHAPE VARIES (SUBMIT DIMENSIONED LAYOUT TO BUILDING OFFICIAL.)

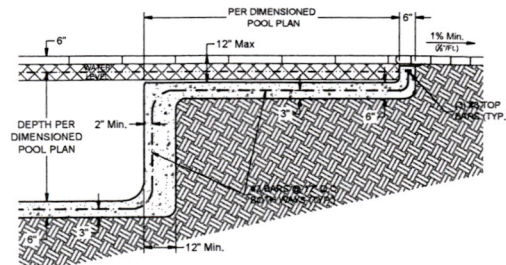


TYPICAL PERIMETER OVERFLOW SPA

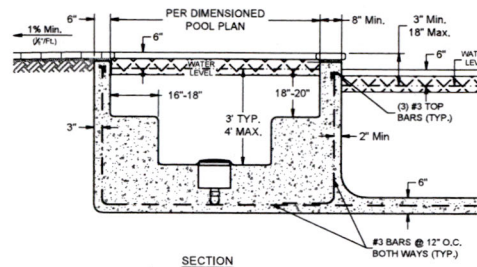
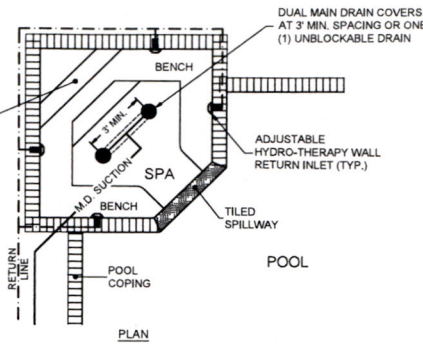
SPA NOTES:

1. SPA CONSTRUCTION SHALL CONTAIN NO PROTRUSIONS, EXTENSIONS, MEANS OF ENTANGLEMENT OR OTHER OBSTRUCTION WHICH CAN CAUSE ENTRAPMENT OR INJURY OF USER.
2. MAXIMUM WATER DEPTH SHALL BE 4'-0" BELOW WATER LEVEL.
3. MAXIMUM SEAT DEPTH SHALL BE 28" BELOW WATER LEVEL.
4. STEPS TO HAVE UNIFORM RISER HEIGHTS, 10" MIN. TREAD AND HAVE 240 SQ. IN. SURFACE AREA.
5. MAXIMUM FLOOR SLOPE SHALL BE 1V:12H.
6. POTABLE WATER HOSE BIB W/ VACUUM BREAKER TO BE LOCATED ON THE POOL/SPA DECK.

(WHEN SPA IS SHOWN IN CONTRACTOR'S POOL PLAN)
OPTIONAL SPA DETAILS
(N.T.S.)

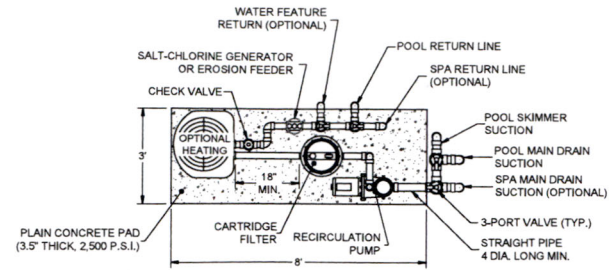


(WHEN A SUN SHELF IS SHOWN IN CONTRACTOR'S POOL PLAN)
OPTIONAL SUN SHELF DETAIL
(3/8" = 1'-0")



TYPICAL STANDARD SPA

OPTIONAL POOL BELL BEAM DETAIL
(1/2" = 1'-0")

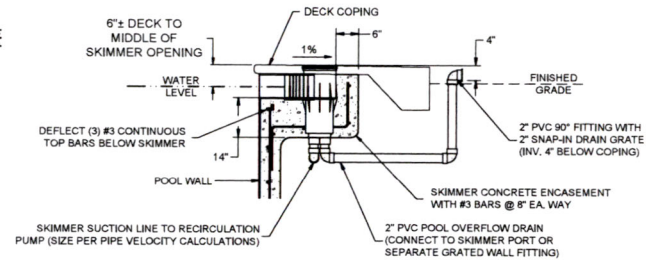


SUCTION AND RETURN PIPE SIZES PER SEPARATE PIPE VELOCITY CALCULATIONS

EQUIPMENT NOTES:

1. CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANSI/ISO-50.
2. PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSI/UL 1081.
3. ANY POOL LIGHTING, ALL ELECTRICAL WORK AND BONDING OF POOL EQUIPMENT, HANDRAILS AND LIGHTS TO THE POOL REINFORCING STEEL SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE AND N.E.C. ARTICLE 680 NATIONAL ELECTRIC CODE.
4. HEAT PUMPS SHALL COMPLY WITH THE LATEST UL 559. ELECTRIC HEATERS SHALL COMPLY WITH UL 1261. ANY GAS PIPING SHALL COMPLY WITH F.B.C., FUEL GAS. GAS HEATERS SHALL COMPLY WITH LATEST ANSI-Z21.56.

SINGLE PUMP EQUIPMENT SCHEMATIC
(N.T.S.)



SKIMMER & POOL OVERFLOW DETAIL
(1/2" = 1'-0")

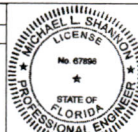
This item has been digitally signed and sealed by Michael L. Shannon, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

TYPICAL DETAILS NOTE:
THESE STANDARD DETAILS INDICATE TYPICAL BUILDING CODE REQUIREMENTS FOR IN-GROUND FLORIDA PRIVATE SWIMMING POOLS. SWIMMING POOL CONTRACTOR TO PROVIDE THE SITE SPECIFIC POOL PLAN TO THE BUILDING OFFICIAL FOR POOL ELEMENT LOCATIONS, LAYOUT AND DEPTHS.

PREPARED FOR:
FAMILY POOLS
2175 9th Street,
Sarasota, Florida 34247
(941) 345-6672
(CPC1457329)

PREPARED BY:
CREST ENGINEERING
of Sarasota, LLC
3402 Magic Oak Lane, Sarasota, Florida 34232
Phone: (941) 377-8811
Email: info@crestfl.com
Florida Engineering Firm No. 28100

Date: 1-10-2024
Project No: S0700
Michael L. Shannon, P.E.
License No. 67896



STANDARD DETAILS
TYPICAL IN-GROUND PRIVATE SWIMMING POOL
MINIMUM RESIDENTIAL PRIVATE SWIMMING POOL STANDARDS PER FLORIDA BUILDING CODE, 8TH EDITION (2023) SECTION 454.2, ANSI/APSP/ICC-3 (2014), ANSI/APSP/ICC-5a (2013) & ANSI/APSP/ICC-7 (2020)

Sheet
SP-2
of 2

DREAM ISLAND ROAD

(24' PUBLIC R/W) (P)

ASPHALT PAVEMENT

(BASIS OF BEARING)

S85°02'45"E 100.00'(M)

TBM "B"
SET NAIL
ELEV = 4.23'
(NAVD 1988)

S85°02'45"E 99.87'(C) 100'(M)

S R/W LINE

PARCEL ID: 7878400006
23,766 SQ. FT. OR 0.5456 AC±
636 DREAM ISLAND RD.

PARCEL ID: 7878300008
JONATHAN D. &
BARBARA A. GRIMES
648 DREAM ISLAND RD.
(O.R.B. 2426, PAGE 3484)

CONCRETE
FOUNDATION
FINISH FLOOR EL. = 9.0'

Pool
Equipment
4" HT. VINYL
FENCE

Baby
Barrier

DRAIN HOSE 4"
SILT SOCK

8"x8" SILT FENCE
EFFLUENT WATER
CONTAINMENT BOX

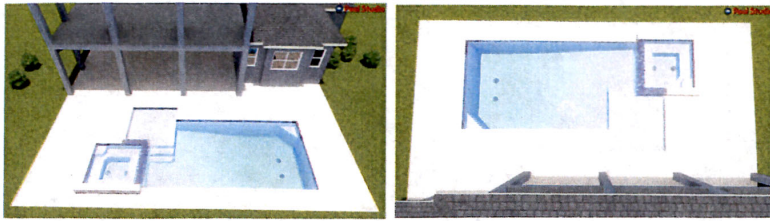
BMP

89'

87'

LOT 27

LOG PERMIT PLANS
FILE
Copy of Record



The pool will be equipped with a device certified to ASTM F2208 "Standard Safety Specifications for Residential Pool Alarms" which sounds an alarm upon deflection of an accidental or unauthorized entrance into water.

#8 AWG BOND WIRE 4" - 6" BELOW
SUBGRADE 18" - 24" FROM POOL
BONDED @ 4 POINTS TO POOL
SHELL NEC 680.26(B)(2)(B)

SIGNATURE _____

DATE _____



FAMILY POOLS

JOB: DRISCOLL WILSON
DRAWN: 09/10/24

CUSTOMER INFO

CUSTOMER NAME: DRISCOLL, GINNA
ADDRESS: 636 DREAM ISLAND RD
CITY/STATE/ZIP: LONGBOAT KEY, FL
PHONE: _____
CELL: (941) 587-1896
EMAIL: sunkissedpools@hotmail.com

POOL

LENGTH: 29'
WIDTH: 13' - 17'
DEPTH: 3' - 5'
RETURNS: 3
INTERIOR MATL: STONESCAPES
NOTES: _____

SPA

LENGTH: 9' OD
WIDTH: 9' OD
DEPTH: 3'
RETURNS: 6 JETS
RAISED HEIGHT: 6"
INTERIOR MATL: STONESCAPES
NOTES: _____

PLUMBING

RETURNS: 3
VAC LINES: N/A
CLEANING SYSTEM: N/A
WATER FEATURES: BUBBLER
NOTES: _____

DECK

DECK TYPE: TRAVERTINE
TOTAL DECK SQFT: 705
RAISED BEAM: N/A
NOTES: LANAI = 522 SQFT

EQUIPMENT

POOL PUMP: HAYWARD 950 VS
FILTRATION: CRTG
TIMER: YES
HEATER: HAYWARD HEAT PRO 110,000
NOTES: _____



ADDRESS: 2175 9th ST
CITY/STATE/ZIP: SARASOTA, FL 34237
PHONE: (941) 780-8437
EMAIL: rissler@gmail.com
DESIGNER: CHARLES RISSLER
ALTERNATE CONTACT: EARL RISSLER
LICENSE #: CPC1457329

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

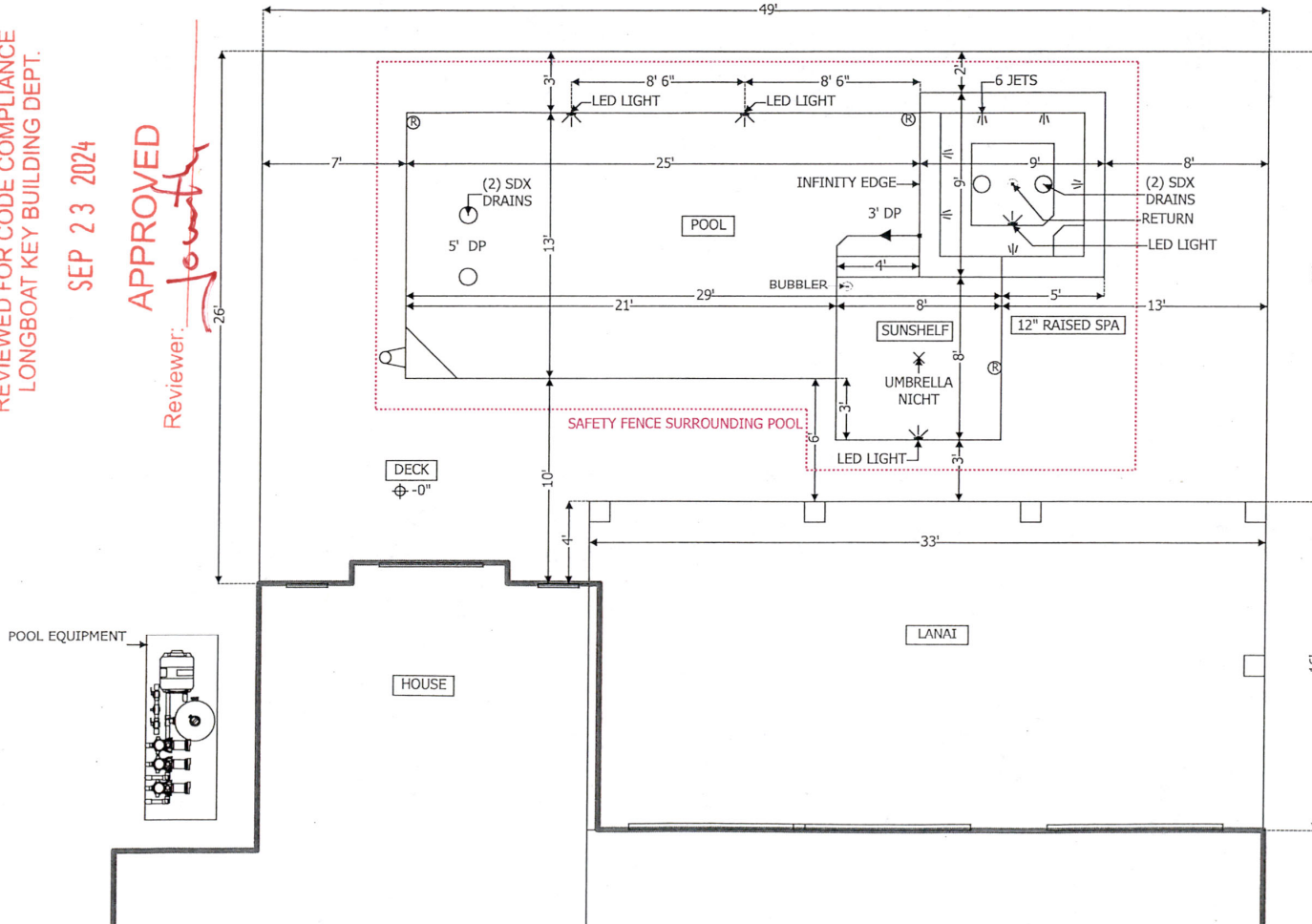
REF: EARL / JULIE

Permit # PSP24-0062
REVIEWED FOR CODE COMPLIANCE
LONGBOAT KEY BUILDING DEPT.

SEP 23 2024

APPROVED

Reviewer: Julie



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SEP 17 2024
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

BLDG PERMIT PLANS

FILE

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