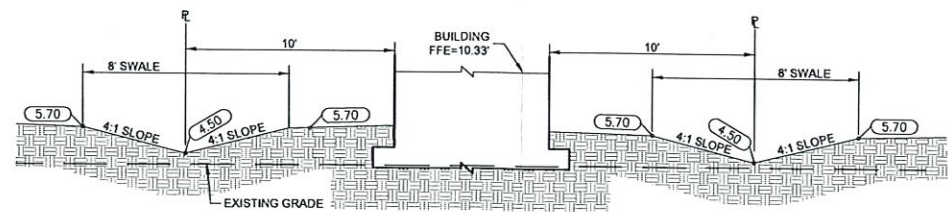


- LEGEND**
- DUE DRAINAGE & UTILITY EASEMENT
 - EL. ELEVATION
 - EX. EXISTING
 - HP HIGH POINT
 - PERF. PERFORATED
 - RCP REINFORCED CONCRETE PIPE
 - S.F. SQUARE FEET
 - TYP. TYPICAL
 - UE UTILITY EASEMENT

- SITE NOTES:**
1. SITE AREA 7,087 S.F. OR (0.163) ACRES
 2. MAXIMUM BUILDING COVERAGE: 30%
MAXIMUM IMPERVIOUS: 50%
 3. PROPOSED LOT COVERAGE
TOTAL IMPERVIOUS = 3,226 SF (45.52%)
BUILDING: 1,958 SF
ANAL: 842 SF
DRIVEWAY/SIDEWALK: 426 SF
TOTAL PERVIOUS = 3,861 S.F. (54.48%)
POOL/SPA: 281 SF
 4. THIS PROPERTY LIES IN FLOOD ZONE "AE" (EL 9) AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 12081C0283E, EFFECTIVE DATE: MARCH 17, 2014.
 5. VERTICAL DATA SHOWN HEREON IS BASED ON MANATEE COUNTY BENCHMARK DESIGNATION MCBE 22, NATIONAL GEODETIC SURVEY (NGS) PID #DL1838, WITH A PUBLISHED ELEVATION OF 19.25' (NAVD 1988) AND SITE TEMPORARY BENCH MARKS (TBM). A PKND LB#3868 (GFY) ELEVATION = 2.52 FEET (NAVD 1988) AND A PKND LB#3868 (GFY) ELEVATION = 1.87 FEET (NAVD 1988) REFERENCED WITH A GPS NETWORK FROM BOTH FPPN AND TRIMBLE VRS NETWORKS.
 6. DRAINAGE EASEMENTS SHALL NOT CONTAIN PERMANENT IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO SIDEWALKS, DRIVEWAYS, IMPERVIOUS SURFACES, PATIOS, DECKS, POOLS, AIR CONDITIONERS, STRUCTURES, UTILITY SHEDS, POLES, FENCES, SPRINKLER SYSTEMS, TREES, SHRUBS, HEDGES, AND LANDSCAPING PLANTS OTHER THAN GRASS, EXCEPT FOR THE LANDSCAPING OF STORMWATER DETENTION AND RETENTION PONDS AS REQUIRED BY THE CODE.



SECTION A-A
SCALE: N.T.S.

This item has been digitally signed and sealed by Erin Leah Tumolo, PE, 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.



Erin L. Tumolo
Digitally signed by Erin L. Tumolo
Date: 2021.12.01 10:04:20 -05'00'
ERIN LEAH TUMOLO
FL LICENSE NO. 69073

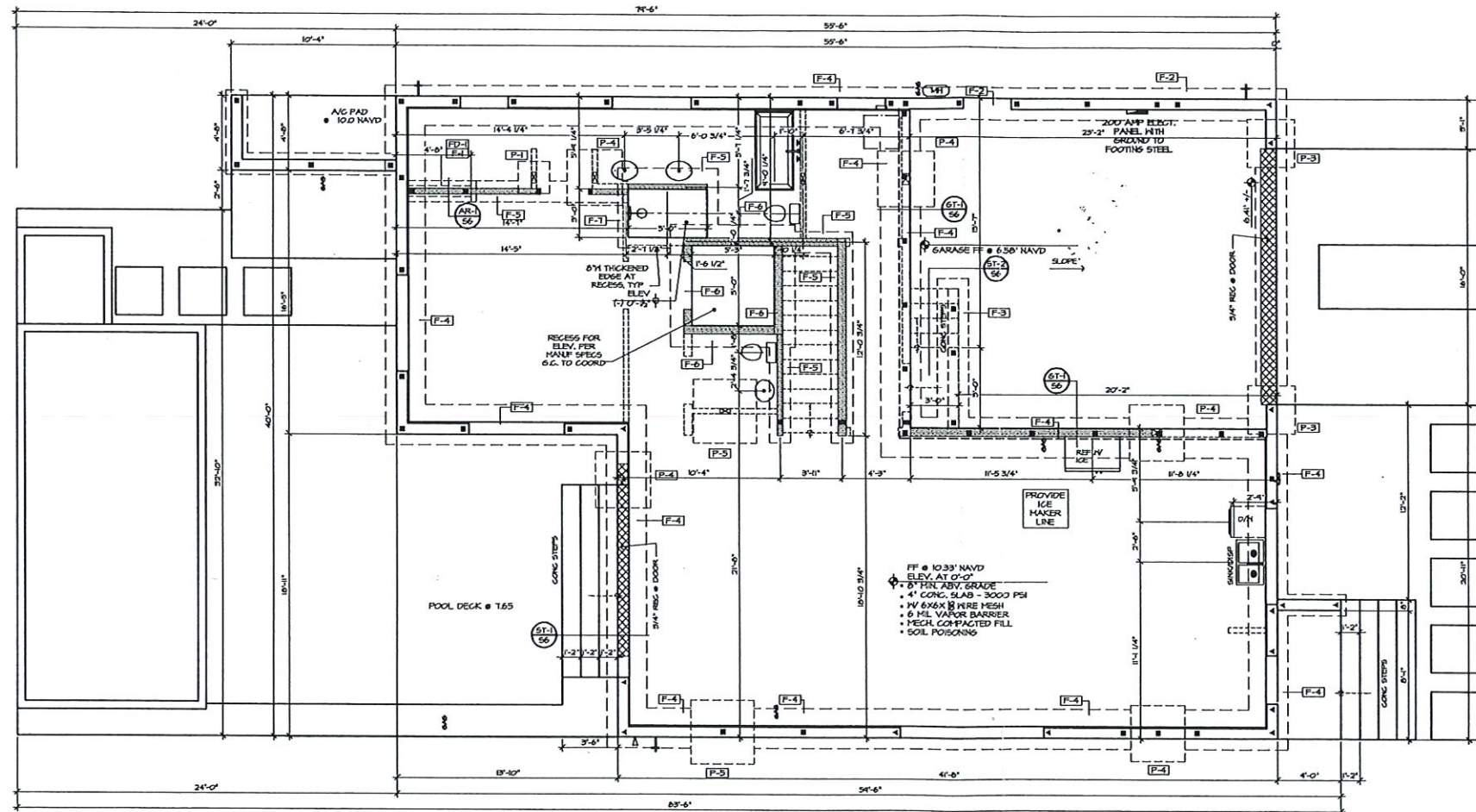
M MORRIS ENGINEERING AND CONSULTING, LLC
Civil Engineering and Land Development Consulting
1927 Professional Parkway East, Suite B, Tallahassee, FL 32310-2424 • C.A. 35789 • 904-441-6744
www.morrisengineering.com

DATE	11/22/21
PROJECT	COOK RES.
DRAWING	6810 LB DR S-DP 03
DRAWN	DBH
CHECKED	ELT

DRAINAGE PLAN
6810 LONGBOAT DRIVE SOUTH
LONGBOAT KEY, FLORIDA

SCALE	1"=10'
SEC - TYP - RND	19-355-18E
SHEET	1

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FOOTING SCHEDULE			
MARK	SIZE/TYP	REINP.	REMARKS
F-1	10" X 16" STRIP FTG.	2-#5 CONT.	2
F-2	12" X 24" STRIP FTG.	3-#5 CONT.	2
F-3	12" X 24" STRIP FTG.	3-#5 CONT.	1
F-4	12" X 30" STRIP FTG.	4-#5 CONT.	3,5,6
F-5	12" X 16" THICK. SLAB	2-#5 CONT.	4
F-6	16" X 16" THICK. SLAB	2-#5 CONT.	4,7
F-7	8" X 8" THICK. SLAB	1-#5 CONT.	-

P-1	24" X 24" X 12" PAD	3-#5 E.H.	-
P-2	30" X 30" X 12" PAD	4-#5 E.H.	-
P-3	36" X 36" X 12" PAD	5-#5 E.H.	-
P-4	42" X 42" X 12" PAD	6-#5 E.H.	-
P-5	48" X 48" X 12" PAD	5-#5 E.H.	-
P-X	12" PAD - EXTEND 6" PAST CMU ON EA. SIDE	#5 @ 10" O.C. E.H.	-

REMARKS:

- #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C., #5 VERTICAL @ 48" O.C. MAX.
- STANDARD STEPS (MAX. 4 COURSES).
- 1-COURSE STEPS, #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C., #5 VERTICAL AT 48" MAXIMUM. SEE SECTION ON SHEET 56.
- ATTACH PT. BOTTOM PLATE TO FOOTING WITH 1" X 6" LONG TIEBARS AT 8" DIA. O.C. (MATCH STUD SPACING) AT STUD WALLS.
- REBAR SHOWN ON PLAN IS ABOVE SLAB. SEE STEPS/SECTION OF SHEET 56 FOR REBAR REQUIREMENTS BELOW SLAB.
- O.C. TO FIELD VERIFY STEPS WALL HEIGHTS. SEE SECTIONS ON SHEET 56 FOR APPROPRIATE STEPS WALL SECTION.
- DEPTH OF FOOTINGS PER ELEVATOR PIT REQUIREMENTS.

GENERAL NOTES:

- STEP STEPS WALL FOOTINGS AS REQUIRED PER DETAIL ON SHEET 56.
- ALL STEPS WALLS GREATER THAN 24" POUR SOLID. (#5 IN TOP COURSE. SEE SHEET 56 FOR REINFORCEMENT AND FOOTING SIZE).
- NONLOADING FOOTING DEPTH IS IN ADDITION TO 4" SLAB.
- REINFORCEMENT IN FOOTINGS IS 3" FROM BOTTOM U/LG.

STRUCTURAL SCHEDULE	
MARK	DESCRIPTION
FD-1	FOOTING TO BE AT SAME DEPTH AS ADJACENT STEPS WALL FOOTINGS

- ▶ = FILLED CELL WITH (2) #5 VERTICAL
- = FILLED CELL WITH (1) #5 VERTICAL

Plaza Designed per the following:

- FBC-R322.1 Structural systems.
- Structural systems of buildings and structures shall be designed, connected and anchored to resist flotation, collapse or permanent lateral movement due to structural loads and stresses from flooding equal to the design flood elevation.
- FBC-B 1612 & 3109
- FEMA TB #9
- ASCE 24

Foundation Plan
Scale 1/4" = 1'-0"

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS FOR THIS RESIDENCE COMPLY WITH THE APPLICABLE STRUCTURAL PROVISIONS OF THE 2020, 7th EDITION OF THE FLORIDA BUILDING CODE, RESIDENTIAL

LOT 110

A Residence For
Lot 110
18910 Longboat Drive, Longboat Key, Florida

Milemo Homes Construction
37 S. Osprey Ave., Suite 203
Sarasota, FL 34236
941-954-0335

Revisions
4-22-21
5-3-21
7-1, 26-21
9-3-21
10-7, 20-21
11-1-21

2

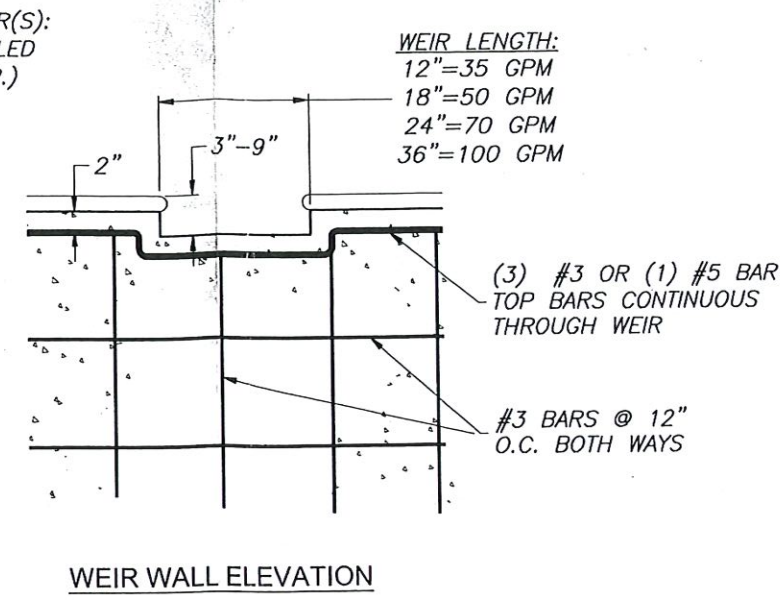
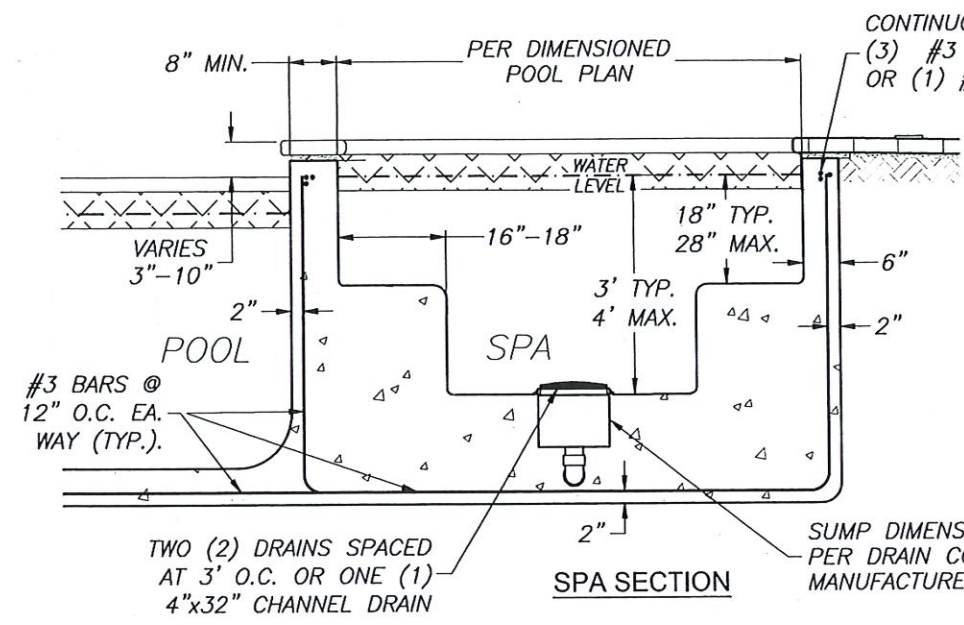
LOT 110

McCall Engineering
 1000 E. 10th Ave.
 Ft. Lauderdale, FL 33304
 Ph. 313.999.0122

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MAY 09 2022

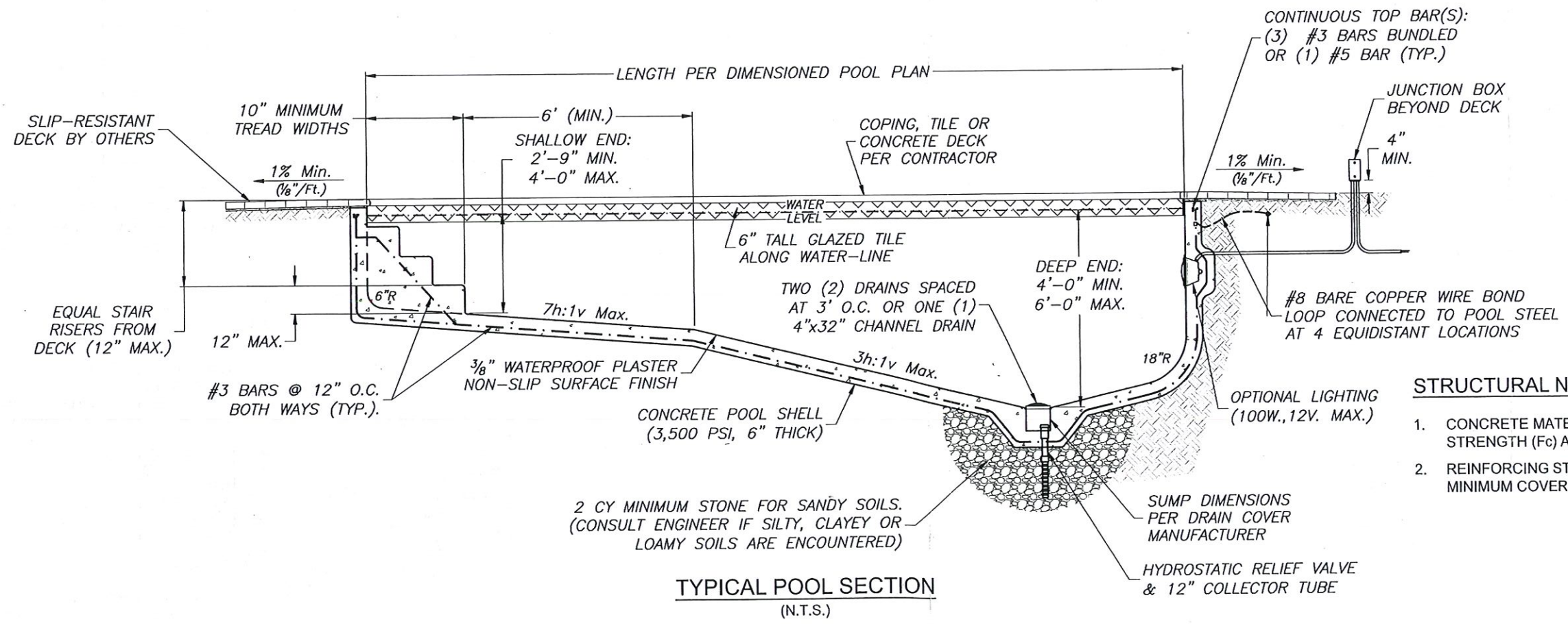
TOWN OF LONGBOAT KEY
Planning, Zoning & Building



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.
7. WEIR FLOW RATES ARE BASED ON 1" HEAD ON WEIR.

OPTIONAL SPA DETAILS
(N.T.S.)



STRUCTURAL NOTES:


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. SPLICE #3 BARS 16" & #5 BARS 26" MIN.

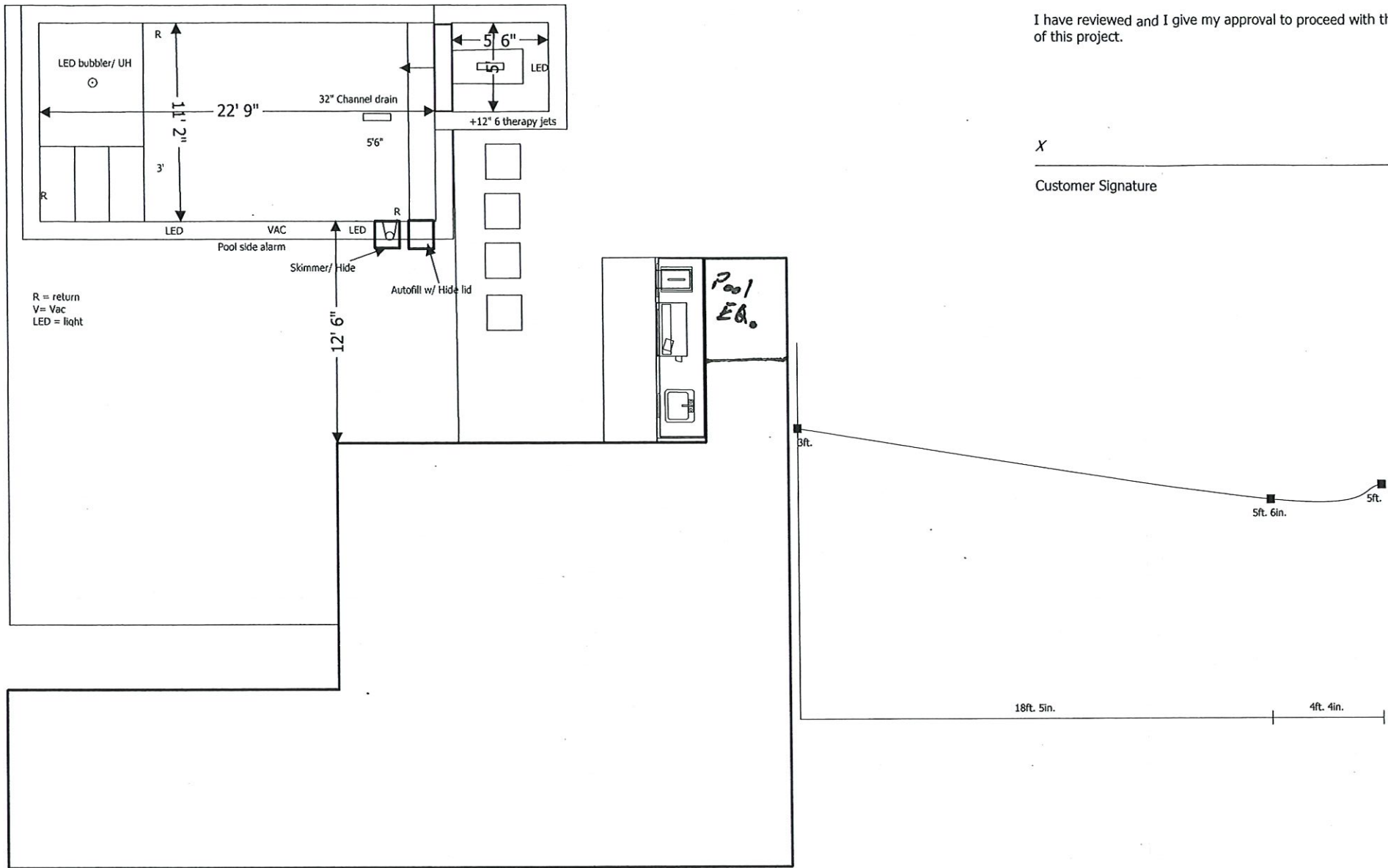
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TYPICAL PLAN NOTE:
 THESE STANDARD PLANS & DETAILS INDICATE TYPICAL BUILDING CODE REQUIREMENTS FOR FLORIDA PRIVATE SWIMMING POOLS. POOL BUILDER TO PROVIDE SITE SPECIFIC POOL PLAN FOR POOL LAYOUT AND DEPTHS.

STANDARD 6 FT. MAXIMUM DEPTH POOL SECTION
FLORIDA PRIVATE SWIMMING POOL
 Prepared For: FREESTYLE POOLS & SPAS
 (941) 739-8657 (CPC 1456697)

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

Date	1-05-2021
Project No.	S0268
 Michael L. Shannon, P.E. Fla. License # 67896	
JAN 05 2021	
Sheet:	SP-2 of 2



Scale: 1/8" = 1 ft

I have reviewed and I give my approval to proceed with the construction of this project.

X
 Customer Signature _____ Date _____

POOL SPECS

SIZE: 11'2" x 22'9" SQFT: 277
 DEPTH: 3' - 5'6" PERIMETER: 69
 EST TOTAL GALLONS: 6700 SKIMMERS: 1 waterway
 RETURNS: 3 INTERIOR MATERIAL: Mini Pebble
 SPECIAL: TILE: 6" Standard Noble Tile
 NOTES: LED bubbler Umbrella holder in sunshelf

SPA SPECS

SIZE: 5'6" x 5' SQFT: 28
 DEPTH: 3' PERIMETER: 21
 EST TOTAL GALLONS: 305 SPILLWAY: 5' tiled
 RAISED HEIGHT: +12" SKIMMERS:
 RETURNS: 2 6 therapies TILE: Same as pool
 INTERIOR MATERIAL: Mini Pebble
 SPECIAL:
 NOTES:

PLUMBING

RETURNS: 2.5" SKIMMERS: 2"
 POOL MAIN DRAINS: 2.5" SPA MAIN DRAINS: 2.5"
 CLEANING SYSTEM: HEADS:
 VAC LINES: 2" ROBOT VAC:
 WATER FEATURES: 1.5" SPA SPILLWAY: 2"
 LIGHTS IN POOL: 2 LED LIGHTS IN SPA: 1 LED
 TOTAL PIPE:
 SPECIAL:
 NOTES:

DECK

DECK TYPE: Pavers ELEVATION: -30" belof FIE
 TOTAL DECK SQFT: 604 PERIMETER:
 RAISED BEAM: LIP STYLE:
 MATERIAL 1: Myra Shellstone FP MATERIAL 2:
 SPECIAL:
 NOTES:

EQUIPMENT

POOL PUMP: Intelliflo VSF 2ND PUMP:
 FILTRATION: Clean & Clear RP FILTER SIZE: 200
 HEATER: Mastertemp 400 INLINE: Intellichlor IC 20
 TIMER: EasyTouch PS 4 GAS: Natural
 SPECIAL: LED Bubbler Umbrella Holder
 NOTES:

Permit # PSPS 22-0029
 REVIEWED FOR CODE COMPLIANCE
 LONGBOAT KEY BUILDING DEPT.

MAY 17 2022

APPROVED
 STAN

Reviewer: _____

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 TOWN OF LONGBOAT KEY
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POOL SPECS

SIZE: 11'2" x 22'9"

DEPTH: 3' - 5'6"

EST TOTAL GALLONS: 6700

RETURNS: 3

SPECIAL: _____

NOTES: LED bubbler Umbrella holder in sunshelf

SQFT: 277

PERIMETER: 69

SKIMMERS: 1 waterway

INTERIOR MATERIAL: Mini Pebble

TILE: 6" Standard Noble Tile

SPA SPECS

SIZE: 5'6" x 5'

DEPTH: 3'

EST TOTAL GALLONS: 305

RAISED HEIGHT: +12"

RETURNS: 2 6 therapies

INTERIOR MATERIAL: Mini Pebble

SPECIAL: _____

NOTES: _____

SQFT: 28

PERIMETER: 21

SPILLWAY: 5' tiled

SKIMMERS: _____

TILE: Same as pool

PLUMBING

RETURNS: 2.5"

POOL MAIN DRAINS: 2.5"

CLEANING SYSTEM: _____

VAC LINES: 2"

WATER FEATURES: 1.5"

LIGHTS IN POOL: 2 LED

TOTAL PIPE: _____

SPECIAL: _____

NOTES: _____

SKIMMERS: 2"

SPA MAIN DRAINS: 2.5"

HEADS: _____

ROBOT VAC: _____

SPA SPILLWAY: 2"

LIGHTS IN SPA: 1 LED

Permit # PSPS 22-0029
REVIEWED FOR CODE COMPLIANCE
LONGBOAT KEY BUILDING DEPT.

MAY 18 2023

DECK

DECK TYPE: Pavers

TOTAL DECK SQFT: 604

RAISED BEAM: _____

MATERIAL 1: Myra Shellstone FP

SPECIAL: _____

NOTES: _____

ELEVATION: -30" below FIE

Reviewer: (Signature)

PERIMETER: _____

LIP STYLE: _____

MATERIAL 2: _____

EQUIPMENT

POOL PUMP: Intelliflo VSF

FILTRATION: Clean & Clear RP

HEATER: Mastertemp 400

TIMER: EasyTouch PS 4

SPECIAL: LED Bubbler Umbrella Holder

NOTES: _____

2ND PUMP: _____

FILTER SIZE: 200

INLINE: Intellichlor IC 20

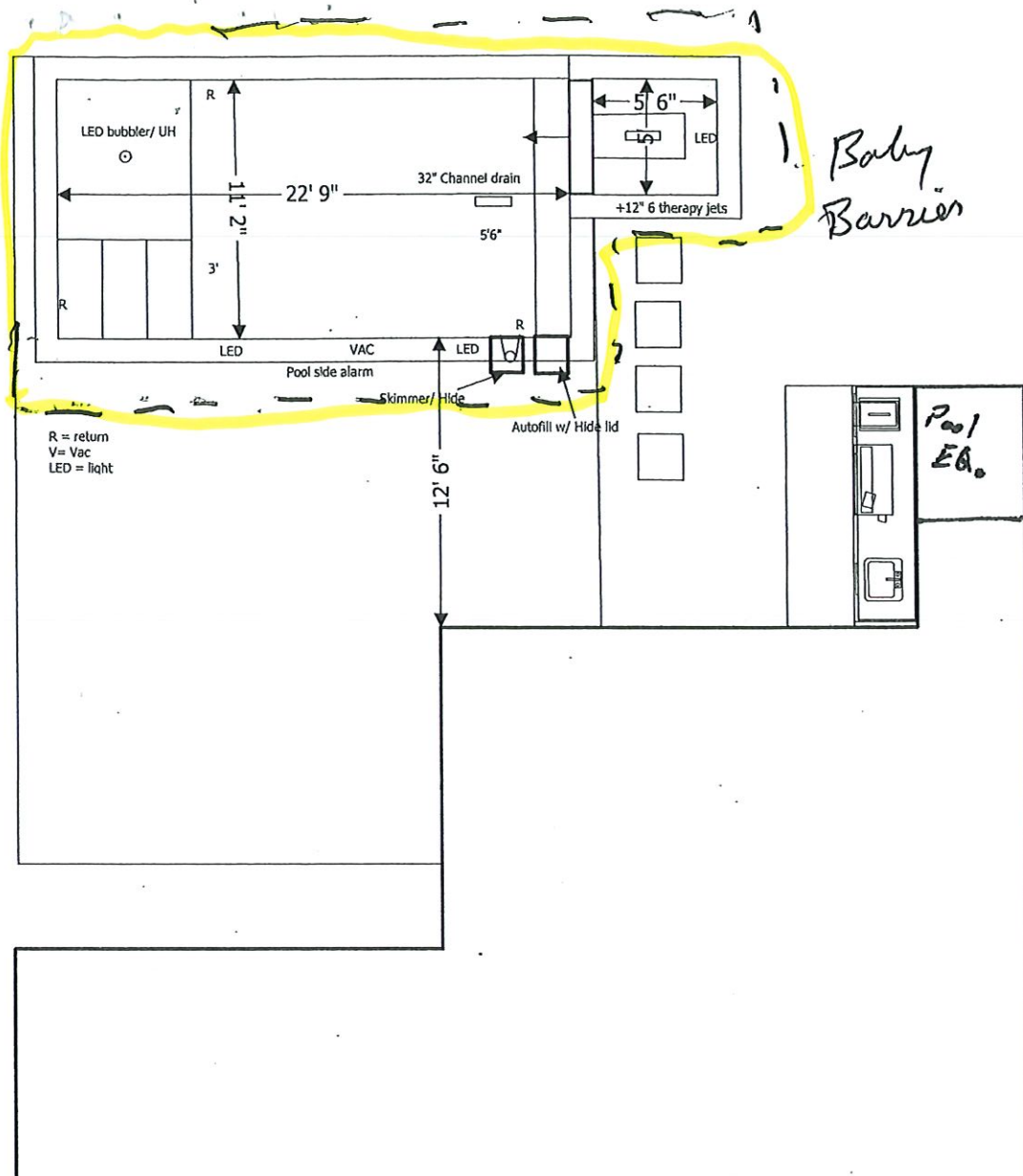
GAS: Natural

I have reviewed and I give my approval to proceed with the construction of this project.

X

Customer Signature

Date



Perimeter fence by Builder - safety
Baby Barrier - safety

Scale: 1/8" = 1 ft

Cook
6810 Longboat Dr. S.
Longboat Key

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TOWN OF LONGBOAT KEY
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I have reviewed and I give my approval to proceed with the construction of this project.

X

 Customer Signature Date

POOL SPECS

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 NOTES: LED bubbler Umbrella holder in sunshelf

SPA SPECS

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 DEPTH: 3' PERIMETER: 21
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 RAISED HEIGHT: +12" SKIMMERS:
 RETURNS: 2 6 therapies TILE: Same as pool
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 SPECIAL:
 NOTES:

PLUMBING

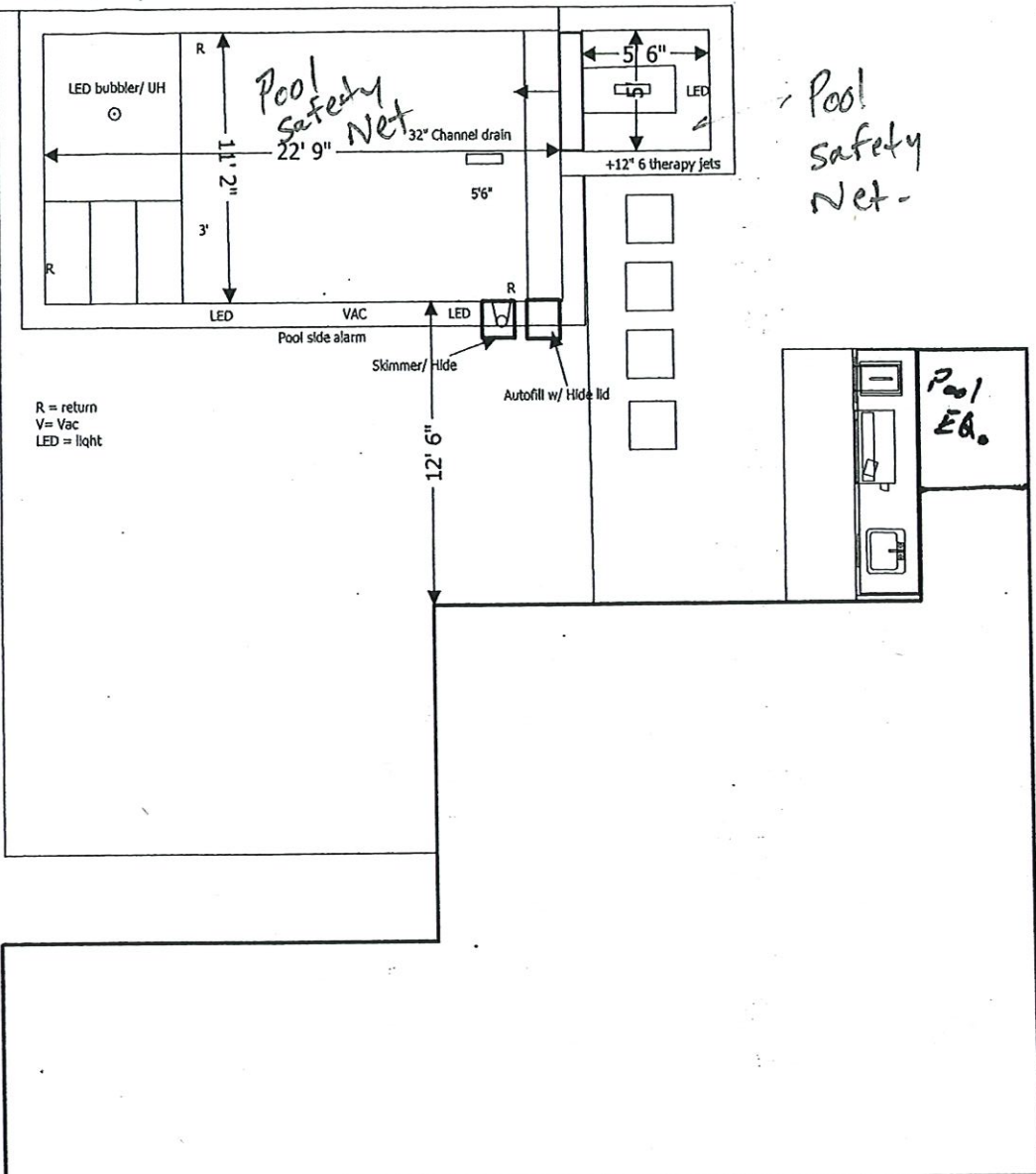
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 SPECIAL:
 NOTES:

DECK

DECK TYPE: Pavers ELEVATION: -30" below FIE
 TOTAL DECK SQFT: 604 PERIMETER:
 RAISED BEAM: LIP STYLE:
 MATERIAL 1: Myra Shellstone FP MATERIAL 2:
 SPECIAL: RECEIVED
 NOTES: MAY 09 2022

EQUIPMENT

POOL PUMP: Intelliflo VSF 2ND PUMP: TOWN OF LONGBOAT KEY
 FILTRATION: Clean & Clear RP Planning, Zoning & Building
 HEATER: Mastertemp 400 FILTER SIZE: 200
 TIMER: EasyTouch PS 4 GAS: Natural
 SPECIAL: LED Bubbler Umbrella Holder BLDG PERMIT PLANS
 NOTES: FILE
 Copy of Record



Pool Safety Net

Pool Ed.

Scale: 1/8" = 1 ft

6810 Longboat Pk. S.

Permit # PPS22-0029
 REVIEWED FOR CODE COMPLIANCE
 LONGBOAT KEY BUILDING DEPT.

MAY 17 2022

APPROVED

Reviewer: _____

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