

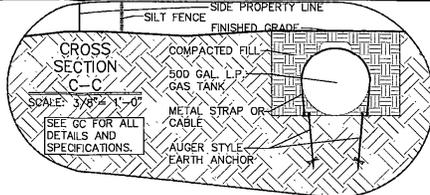
"CANAL"
50' WIDE PER DB 302, PG 150

SPANOS RESIDENCE - 7871700006
759 MARBURY LANE
LONGBOAT KEY FL. 34228
158.063 - R-45F (SINGLE-FAMILY MEDIUM-DENSITY
RESIDENTIAL DISTRICT).

NOTE:
THE DESIGN AND DRAWINGS REPRESENT THE CONCEPTS, LAYOUTS AND MATERIALS AS APPROVED BY THE HOMEOWNER. THE DRAWINGS HAVE BEEN DONE TO THE BEST OF THE ARCHITECT'S KNOWLEDGE AND SKILL. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE APPLICABLE MINIMUM FLORIDA BUILDING CODES AND FIRE SAFETY STANDARDS AND ANY CONDITIONS WHICH APPEAR TO BE INACCURATE SHALL BE BROUGHT TO THE OWNER'S ATTENTION BEFORE BEGINNING CONSTRUCTION ON THIS PROJECT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MEET ALL STATE AND LOCAL REGULATIONS. ALL DIMENSIONS AND CRITICAL HEIGHTS WILL ALSO BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN IN WRITING. ANY STRUCTURAL CHANGES THAT APPEAR TO BE REQUIRED ARE TO BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER OF RECORD. THIS PROJECT IS NOT A PROJECT UNDER ANY DISCREPANCIES ARE CORRECTED. THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CORRECT ALL CONDITIONS IN THE FIELD. ALL DISCREPANCIES AND CONFLICTS SHALL BE REPORTED TO THE DESIGNER IN WRITING PRIOR TO PROCEEDING OR CONTINUING WITH THE PROJECT. UNREPORTED DISCREPANCIES AND CONFLICTS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
1. THESE PLANS AND DESIGN CONCEPTS ARE THE INTELLECTUAL PROPERTY OF JC DRAFTING & DESIGN, INC. NO CHANGE TO THESE DRAWINGS MAY BE MADE WITHOUT THE WRITTEN CONSENT FROM JC DRAFTING & DESIGN, INC. UNAUTHORIZED USE IS PROHIBITED. THE DESIGNER IS NOT RESPONSIBLE FOR THE CONSTRUCTION OF THIS PROJECT UNDER THE CONTRACT LAWS OF THE UNITED STATES AND ARE THE PROPERTY OF JC DRAFTING & DESIGN, INC. AND SHALL BE RETURNED TO THE DESIGNER UPON COMPLETION OF THE PROJECT. NO PART OF THESE PLANS OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN APPROVAL OF JC DRAFTING & DESIGN, INC. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MEET ALL STATE AND LOCAL REGULATIONS. ALL DIMENSIONS AND CRITICAL HEIGHTS WILL ALSO BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN IN WRITING. ANY STRUCTURAL CHANGES THAT APPEAR TO BE REQUIRED ARE TO BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER OF RECORD. THIS PROJECT IS NOT A PROJECT UNDER ANY DISCREPANCIES ARE CORRECTED. THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CORRECT ALL CONDITIONS IN THE FIELD. ALL DISCREPANCIES AND CONFLICTS SHALL BE REPORTED TO THE DESIGNER IN WRITING PRIOR TO PROCEEDING OR CONTINUING WITH THE PROJECT. UNREPORTED DISCREPANCIES AND CONFLICTS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH GOVERNING CODES.
3. ALL MANUFACTURED PRODUCTS AND MATERIALS SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION RECOMMENDATIONS.
4. DO NOT SCALE ANY DIMENSIONS IN THIS SET. APPLY TO ALL SHEETS.
5. ALL DIMENSIONS ARE TO FINISH UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND DETAILS PRIOR TO CONSTRUCTION. NOTIFY DESIGNER OF ALL DISCREPANCIES.
6. VERIFY ALL FLOOR, WALL AND DECORATIVE FINISHES AS SHOWN ON THE PLAN.

SPANOS RESIDENCE - 7871700006
759 MARBURY LANE
LONGBOAT KEY FL. 34228
158.063 - R-45F (SINGLE-FAMILY MEDIUM-DENSITY
RESIDENTIAL DISTRICT).

LOT 889 S.F. (UPLAND LAND AREA)
SETBACKS: FRONT: 20', SIDE: MIN. 6', COMBINATION 20', REAR: 20'
BUILDING COVERAGE: (20% MAX OR 6,000 S.F.) THE ZONING CODE ALLOWS AN ADDITIONAL 5% OF LOT (BUILDING) COVERAGE FOR A POOL THAT IS COVERED OR PARADE DECK (THAT IS 6 INCHES ABOVE FINISHED GRADE. PLEASE SEE SECTION 158.02(6)(B) FOR POOL SETBACK INFORMATION.
IMPERVIOUS COVERAGE: (80% MAX OR 4,777 S.F.) IMPERVIOUS SURFACE: ANY SURFACE WHICH PREVENTS GASES AND LIQUIDS FROM PENETRATING INTO THE GROUND, INCLUDING, BUT NOT LIMITED TO, STRUCTURES, POOLS, DRIVEWAYS, WALKS, AND PARKING AREAS; AND EXCLUDING TRELLISES, PERMEABLE WOOD DECKS, WALKS LESS THAN 12 INCHES IN WIDTH, FENCES, AND HAR-TRU, CLAY AND GRASS TENNIS COURTS.
OVERHANDS UP TO 2' ALLOWED INTO SIDE SETBACK
MAX HEIGHT TO MIDPOINT: 30' FROM DESIGN FLOOR ELEVATION: 0' NAVD
DAYLIGHT PLANS FROM SIDE PROPERTY LINE AT DESIGN FLOOR: 0' NAVD (65 DEGREE ANGLE - 80' WIDE LOT)
SEE SECTION 158.102 FOR WALLS, FENCES, HEDGE, AND BERMS



LOT 89 (IMPROVED)

COMPLIANCE WITH BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND STORM WATER RUN-OFF DURING CONSTRUCTION:
BEFORE ANY CLEARING OR GRADING OCCURS:
CONTRACTOR TO ERECT CONTINUOUS SILT FENCE ON SIDES AND REAR OF PROPERTY.
SILT FENCE TO BE EMBEDDED A MINIMUM OF 6" INTO THE SOIL AND SECURED BY WOOD STAKING AS PROVIDED WITH FENCING MATERIAL.
SILT FENCE TO BE INSPECTED REGULARLY AND ANY DAMAGED MATERIAL TO BE IMMEDIATELY REPAIRED OR REPLACED. IF THERE ARE ANY STORM SEWERS PRESENT AT THE STREET, PROTECT WITH SAND BAGS OR HAY BALES TO CONTROL SEDIMENT FLOW.
DURING CLEARING/GRADING:
ALL ORGANIC MATERIAL THAT IS STRIPPED FROM THE SITE SHALL BE REMOVED FROM THE SITE IMMEDIATELY, NO STOCK-PILING OR STORAGE FOR MORE THAN A DAY.
TEMPORARY SMALES SHALL BE OUT IN FRONT OF SILT FENCING TO DIRECT STORM WATER FOR DRAINAGE PLAN.
DURING CONSTRUCTION:
PROVIDE REGULARLY SCHEDULED DUMPSTER REPLACEMENT TO CONTROL WASTE FROM ACCUMULATING ON SITE.
PROVIDE INDEPENDENT SITE INSPECTIONS BY SITE SUPERVISOR(S) FOR WASTE/TRASH CONTROL.
NO CONCRETE MASHOUT TO BE ALLOWED ON SITE. INFORM SUPPLIERS IN ADVANCE OF THIS RULE.

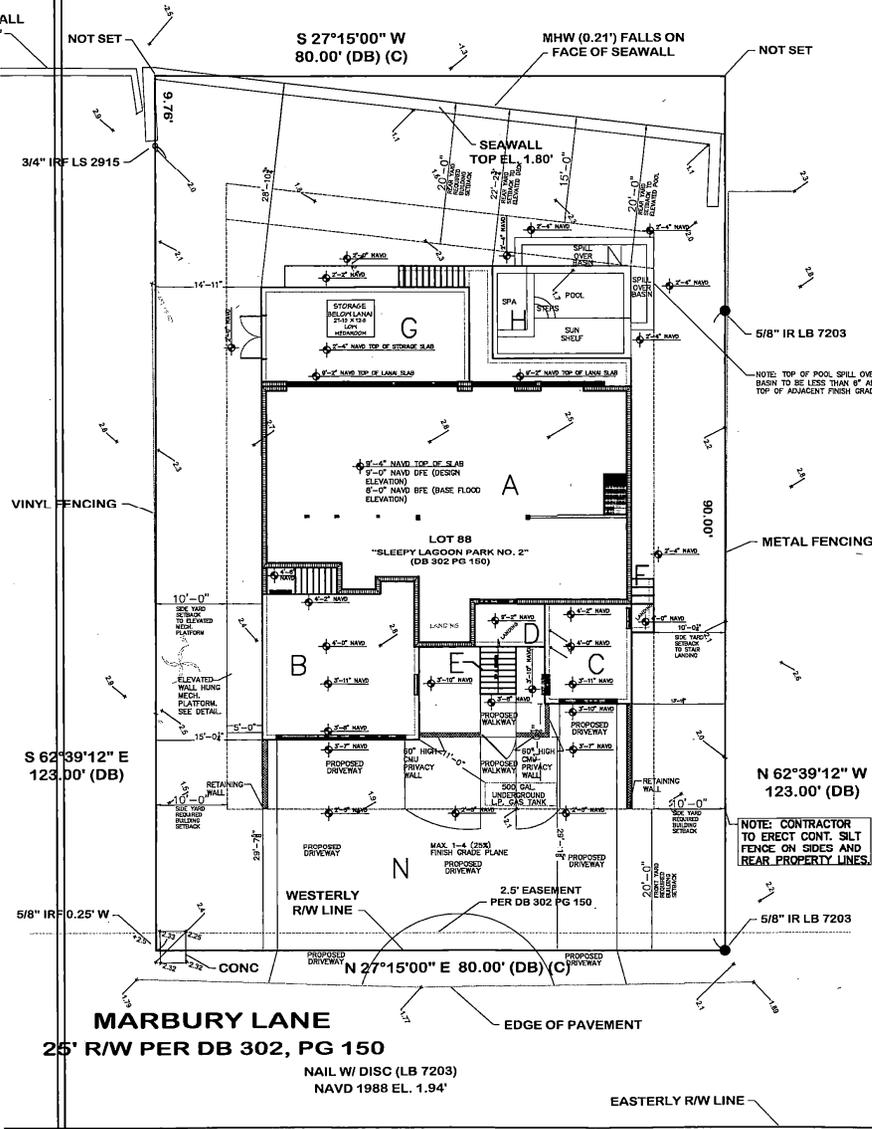
LOT COVERAGE CALCULATION

MARK	LOT SIZE, BUILDABLE AREA: 9,550 SQ. FT.	--- IN SQUARE FEET ---
NON-POOL/SPA AREAS		
A	1ST FLOOR A/C SPACE	1,602 SQ. FT.
B	TWO CAR GARAGE BAY	452 SQ. FT.
C	ONE CAR GARAGE BAY	170 SQ. FT.
D	COVERED ENTRY	50 SQ. FT.
E	OPEN FRONT ENTRY STAIRS	34 SQ. FT.
F	OPEN SIDE STEPS AND LANDING	24 SQ. FT.
G	COVERED LANAI AREA	408 SQ. FT.
J	PART OF 2ND FLOOR COVERED DECK AREA AND SPIRAL STAIRS	41 SQ. FT.
K	SUBTOTAL AREAS +B* ABOVE GRADE (A+B+C+D+E+F+G+J)	2,790 SQ. FT.
L	BUILDING COVERAGE X 2,790 S.F. DIVIDED BY 0.555 S.F.	29,198 (30X MAX)
H	ELEVATED POOL, SPA, POOL DECK AND STEPS	367 SQ. FT.
I	SUBTOTAL LOT COVERAGE S.F. ALL AREAS 10' ABOVE GRADE	3,157 SQ. FT.
M	BUILDING COVERAGE X 3,157 S.F. DIVIDED BY 0.555 S.F.	34,906 (MAX 35X)
NON-OPEN SPACE CALCULATION (50X MAXIMUM)		
AT-GRADE IMPROVEMENTS		
N	IMPERVIOUS AREA ARE GRADE, DRIVEWAY, WALKWAY, AND POOL SPILL OVER	1,528 SQ. FT.
O	SUBTOTAL NON-OPEN SPACE SQUARE FOOTAGE (K + N)	4,685 SQ. FT.
TOTAL NON-OPEN SPACE X 0.883 DIVIDED BY 0.555 S.F.		49,016

DESIGN CRITERIA
BUILDING CODE: FLORIDA BUILDING CODE (FBC 7TH EDITION (2020) RESIDENTIAL), ACCESSIBILITY CODE, BUILDING ENERGY PERFORMANCE, FUEL GAS, MECHANICAL, PLUMBING AND M.E.S. 2017 CODE.
NOTE: THE DESIGN OF THIS STRUCTURE MEETS A.S.C.E. 7
NOTE:
GENERAL CONTRACTOR IS TO COORDINATE WITH FPL TO HAVE PROPOSED FENCE UNDER SEPARATE PERMIT
PROPOSED POOL UNDER SEPARATE PERMIT
OVERHEAD POWER LINES BURRED.
NOTE:
NEW POOL, SPA, POOL DECKING AND SAFETY BARRIERS.
ALL DETAILS, PLANS, SPECIFICATIONS AND POOL BONDING ARE TO BE PROVIDED BY OTHERS AND ARE NOT PART OF THESE DRAWINGS.
NOTE:
PROPOSED CONSTRUCTION IS TO BE STAKED OUT BY A LICENSED SURVEYOR. LOCATION TO BE APPROVED BY OWNER, GENERAL CONTRACTOR AND HOMEOWNER.

RECEIVED
SEP 20 2023
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

SITE PLAN
SCALE: 1/8" = 1'-0"
NOTE: THESE DRAWINGS ARE NOT TO BE SCALED



Plan no.
2021-50 A1.0

BLDG PERMIT PLANS
FILE
City of Record
JONAS YODEL
CUSTOM HOMES INC.
www.jonasyodel.com
EST. 1978
941131-1485 Office
562-0303
941-291-0801
Sarasota, FL 34232

CUSTOM RESIDENCE FOR:
BOB & AMY SPANOS
759 MARBURY LANE
LONGBOAT KEY FL. 34228
PID: 7871700006

JC DRAFTING & DESIGN, INC.
505 PONDY AVE. SUITE C
LONGBOAT KEY, FL 34228
Phone: (813) 592-5000 Cell: (813) 376-2647
jcdraftinganddesign.com
John R. Coulbourn, President

REVISIONS:
NO. DESCRIP. BY DATE

DATE: 8-15-2022
SCALE: AS SHOWN
SHEET TITLE:

SITE PLAN AND LOT COVERAGE CALCULATIONS
SHEET NO. A1.0

HG & LL ENGINEERING, INC.

Consulting Engineers #5396
6389 TOWER LANE
Sarasota, FL 34240

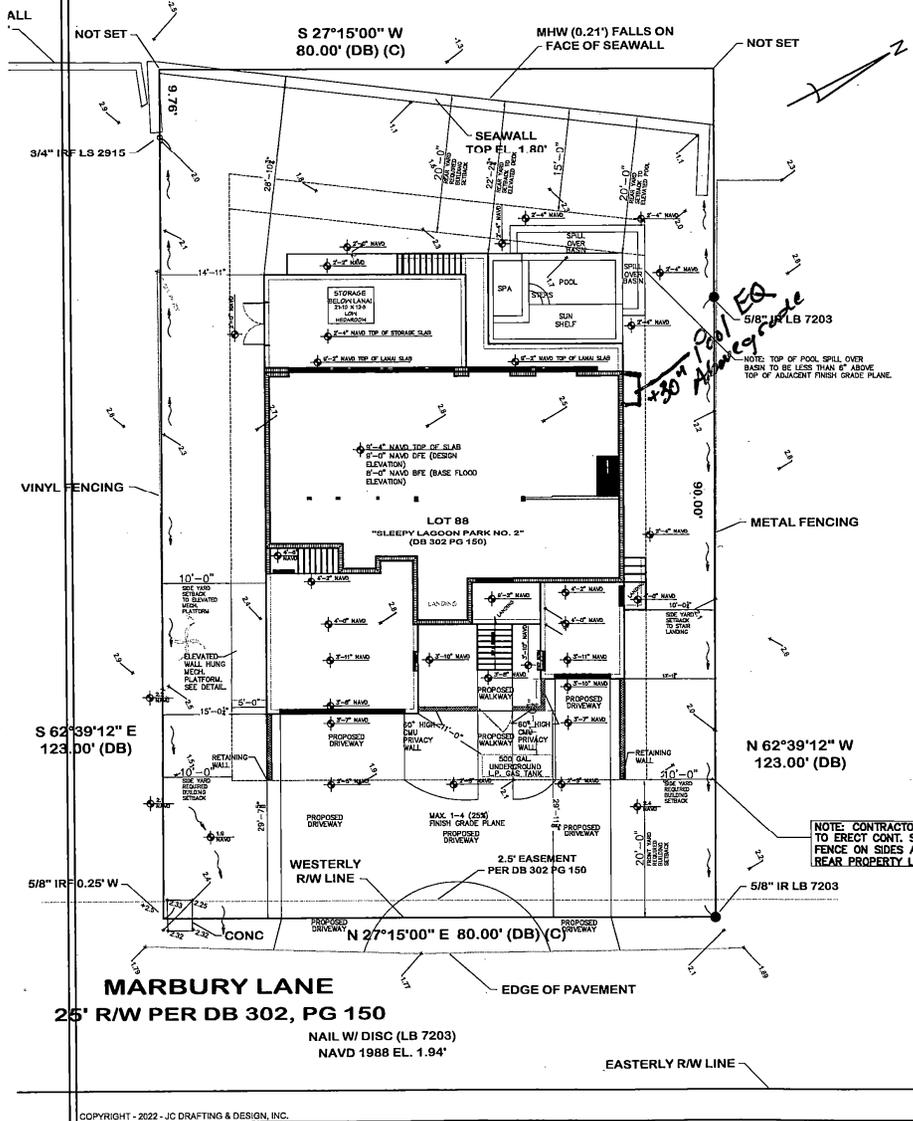
PROJECT NO. 2097

LAWRENCE D. LIPPERT, P.E.
FL. REG. NO. 23985

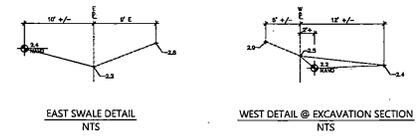
Plan no.
2021-50 D1.0

BLDG PERMIT PLANS
FILE
Copy of Record

JONAS YODER
CUSTOM HOMES INC.
PLOT - 1378
www.jonasyodercustomhomes.com
(941) 371-1580 Office
(941) 371-1580 Cell
505 Tower Ave.
Sarasota, FL 34238



**LOT 89
(IMPROVED)**



- NOTES:
- 12.1A
 - 2) VERTICAL RISE TO BE 1 VERTICAL IN 4 HORIZONTAL DISTANCE WITHIN 5 FEET (5') OF ANY PROPERTY LINE.
 - 3) ALL ON-SITE DRAINAGE SHALL BE DIRECTED BY DRAINES OR OTHER SYSTEMS TO AN OFF-SITE DRAINAGE FACILITY.
 - 4) THE DISCHARGE OF STORM WATER FROM THE PARCEL SHALL DRAIN TO A STREET, DRAINAGE GREENBELT, OR OTHER ESTABLISHED PUBLIC OR PRIVATE DRAINAGE FACILITY, WITHOUT ADVERSELY AFFECTING THE PROPER DRAINAGE OF ADJOINING PARCELS OF LAND.
 - 5) SITE DRAINAGE MUST BE CONSISTENT WITH SUBDIVISION STORMWATER MANAGEMENT PLAN.
 - 6) SITE RUNOFF MAY BE DIRECTED TO THE REAR OF THE LOT IF AN APPROVED DRAINAGE GREENBELT OR OTHER ESTABLISHED PUBLIC OR PRIVATE DRAINAGE FACILITY IS AVAILABLE.
 - 7) SWALE SLOPES SHALL BE A MINIMUM OF 0.2 % LONGITUDINAL SLOPE.
 - 8) ALL REQUIRED SWALES OR OTHER SYSTEMS MUST BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAINED DURING THE COURSE OF CONSTRUCTION UNTIL FINAL INSPECTIONS HAVE BEEN APPROVED.
 - 9) GENERAL CONTRACTOR TO SUBMIT LANDSCAPE PLAN PRIOR TO CERTIFICATE OF OCCUPANCY, THAT MEETS ALL APPLICABLE CODE REQUIREMENTS.
 - 10) LANDSCAPE DESIGN SHALL NOT HAVE ANY TREES LOCATED WITHIN 3' OF CENTERLINE OF DRAINAGE SWALES.
 - 11) ALL PORTABLE TOILETS AND DUMPSTERS WILL BE STAGED ON PRIVATE PROPERTY AND NOT IN THE RIGHT OF WAY.
 - 12) IF PARKING ON PUBLIC STREET IS NECESSARY ALL VEHICLES WILL BE PARKED ON ONE SIDE OF THE ROAD WITH TRAFFIC.

NOTE: THE SOUTHWEST 30' x 1' IS TO BE GRADED AS SHOWN. THE REMAINING LOT PERIMETER HAS EXISTING ELEVATIONS THAT DIRECT RUNOFF TO MARBURY LANE OR THE EXISTING CANAL. SITE CONTRACTOR SHALL CONFIRM FINAL SITE GRADING ELEVATIONS MATCH EXISTING.

NOTE: CONTRACTOR TO ERECT CONT. SILT FENCE ON SIDES AND REAR PROPERTY LINES.

- LEGEND :**
- EXIST. GRADE ELEVATION N.A.V.D.
 - NEW GRADE/SLAB ELEVATION N.A.V.D.
 - DIRECTIONAL DRAINAGE ARROWS
 - SLAB ELEVATIONS N.A.V.D.
 - — LOCATION OF DOWNSPOUT W/ DIRECTION OF DISCHARGE

COMPLIANCE WITH BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND STORM WATER RUN-OFF DURING CONSTRUCTION:
BEFORE ANY CLEARING OR GRADING OCCURS:
CONTRACTOR TO ERECT CONTINUOUS SILT FENCE ON SIDES AND REAR OF PROPERTY.
SILT FENCING TO BE CHECKED A MINIMUM OF 4" INTO THE SOIL AND SECURED BY WOOD STAKES AS PROVIDED WITH FENCING MATERIAL.
SILT FENCE TO BE INSPECTED REGULARLY AND ANY DAMAGED MATERIAL TO BE IMMEDIATELY REPAIRED OR REPLACED.
IF THERE ARE ANY STORM SEWERS PRESENT AT THE STREET, PROTECT WITH SAND BAGS OR RAY BALES TO CONTROL SEDIMENT FLOW.
DURING CLEARING/GRADING:
ALL ORGANIC MATERIAL THAT IS STRIPPED FROM THE SITE SHALL BE REMOVED FROM THE SITE IMMEDIATELY, NO STOCK-PILING OF SOILS FOR MORE THAN 1 DAY.
TEMPORARY SWALES SHALL BE CUT IN FRONT OF SILT FENCING TO DIRECT STORM WATER PER DRAINAGE PLAN.
DURING CONSTRUCTION:
PROVIDE REGULARLY SCHEDULED DUMPSTER REPLACEMENT TO CONTROL WASTE FROM ACCUMULATING ON SITE.
PROVIDE IMMEDIATELY SITE INSPECTIONS BY SITE SUPERVISOR(S) FOR WASTE/TRASH CONTROL.
NO CONCRETE WORKOUT TO BE ALLOWED ON SITE, INFORM SUPPLIERS IN ADVANCE OF THIS RULE.

DRAINAGE PLAN

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

NOTE: THESE DRAWINGS ARE NOT TO BE SCALED

CUSTOM RESIDENCE FOR:
BOB & AMY SPANOS
759 MARBURY LANE
LONGBOAT KEY FL. 34228
PID: 7871700006

JC DRAFTING & DESIGN INC.
JONAS YODER, P.E. SITE ENGINEER
Sarasota, Florida 34232
Phone (941) 925-3306 Cell (941) 376-2047
www.jcdraftinganddesign.com
Jon R. Courthart, President

REVISIONS:

NO.	DESCRIP.	BY	DATE

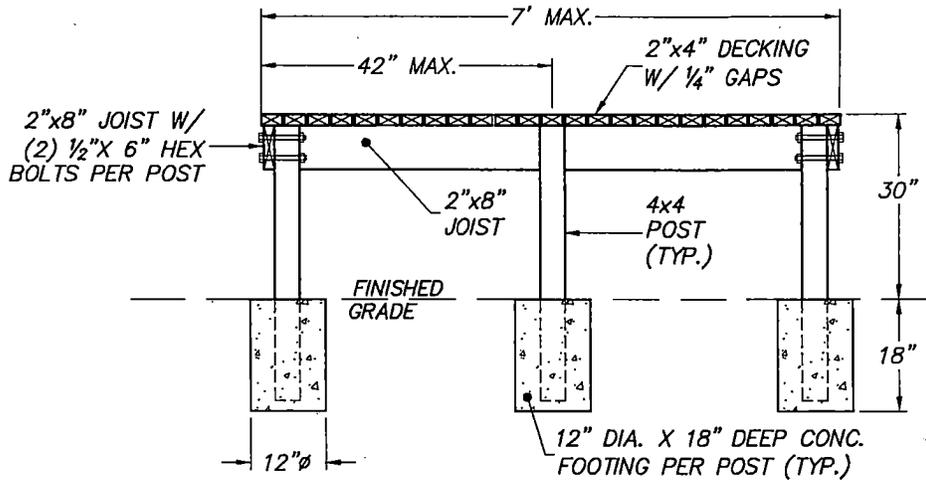
DATE: 8-15-2022

SCALE: AS SHOWN

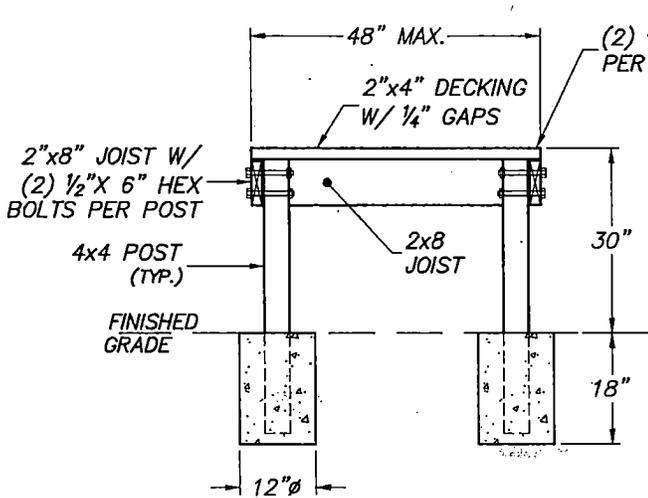
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DRAINAGE PLAN
SHEET NO.
D1.0

NOTES:

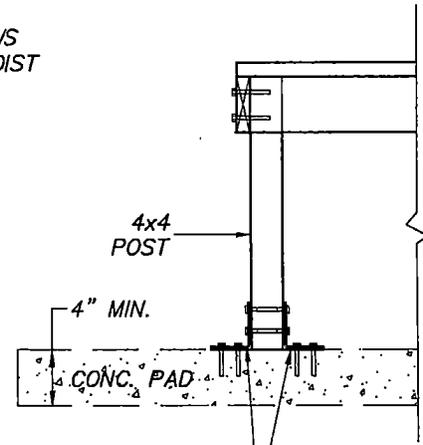
1. THIS DETAIL IS SUITABLE FOR USE ON PRIVATE FLORIDA SWIMMING POOLS AND SPAS LOCATED IN FLOOD ZONES X, A OR AE.
1. POSTS, JOISTS AND DECKING TIMBER TO BE PRESSURE TREATED SOUTHERN PINE #2 OR APPROVED EQUAL.
2. ALL HARDWARE TO BE HOT DIPPED GALVANIZED OR 316 STAINLESS STEEL.
3. CONCRETE FOOTINGS TO BE 2,500 PSI MIN. COMPRESSIVE STRENGTH IN 28 DAYS.
4. POOL EQUIPMENT TO BE ANCHORED TO THE EQUIPMENT PAD.
5. APPLICABLE CODE: FLORIDA BUILDING CODE, 7TH EDITION (2020).



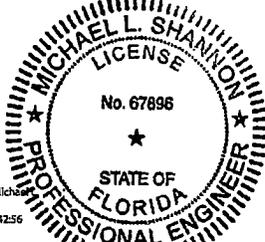
SIDE SECTION



END SECTION



**OPTIONAL CONCRETE PAD
POST ANCHOR DETAIL
(N.T.S.)**



Michael L. Shannon
Shannon
Digitally signed by Michael L. Shannon
Date: 2022.07.07 06:42:56 -0500

Michael L. Shannon, P.E.
(Fla. License No. 67896)

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.

RECEIVED

SEP 20 2023

TOWN OF LONGBOAT KEY
Planning, Zoning & Building

CREST ENGINEERING

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

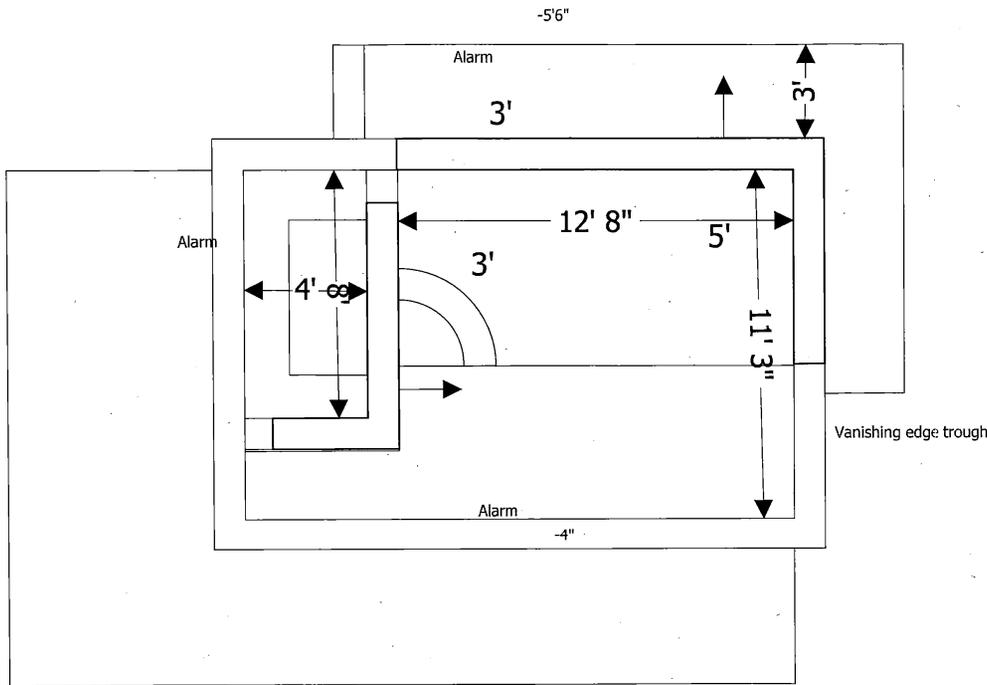
30" ELEVATED TIMBER POOL EQUIPMENT PAD

Prepared For: FREESTYLE POOLS & SPAS, INC.
(941) 739-8657 (CPC 1456697)

Project No.: S0268

Date: 2-07-2022

Sheet 1 of 1



0 FFE

Scale: 1/4" = 1 ft

Owner: Bob Spanos State: FL
 Address: 759 Markury Lane Zip: 34228
 City: LBK
 Phone: 480-213-8499

POOL SPECS

SIZE: 18' x 10' SQFT: 310 FILE
 DEPTH: 3'-5' PERIMETER: 79 **Copy of Record**
 EST TOTAL GALLONS: 3556 SKIMMERS: 0
 RETURNS: 3 INTERIOR MATERIAL: Pebble TBD
 SPECIAL: _____ TILE: 6" standard TBD
 NOTES: _____

BLDG PERMIT PLANS

SPA SPECS

SIZE: 4' x 8' SQFT: 32
 DEPTH: 3' PERIMETER: 24
 EST TOTAL GALLONS: 500 SPILLWAY: 12' tiled
 RAISED HEIGHT: flush SKIMMERS: _____
 RETURNS: 2 6 jets TILE: shared
 INTERIOR MATERIAL: Pebble
 SPECIAL: _____
 NOTES: _____

PLUMBING

RETURNS: 2.5" SKIMMERS: _____
 POOL MAIN DRAINS: 2.5" SPA MAIN DRAINS: 2.5"
 CLEANING SYSTEM: _____ HEADS: _____
 VAC LINES: 2" ROBOT VAC: _____
 WATER FEATURES: 3" SPA SPILLWAY: 2"
 LIGHTS IN POOL: 2 led LIGHTS IN SPA: 1 LED
 TOTAL PIPE: _____
 SPECIAL: 5 LEDS in trough
 NOTES: _____

DECK

DECK TYPE: By others ELEVATION: _____
 TOTAL DECK SQFT: _____ PERIMETER: _____
 RAISED BEAM: _____ LIP STYLE: _____
 MATERIAL 1: _____ MATERIAL 2: _____
 SPECIAL: _____
 NOTES: _____

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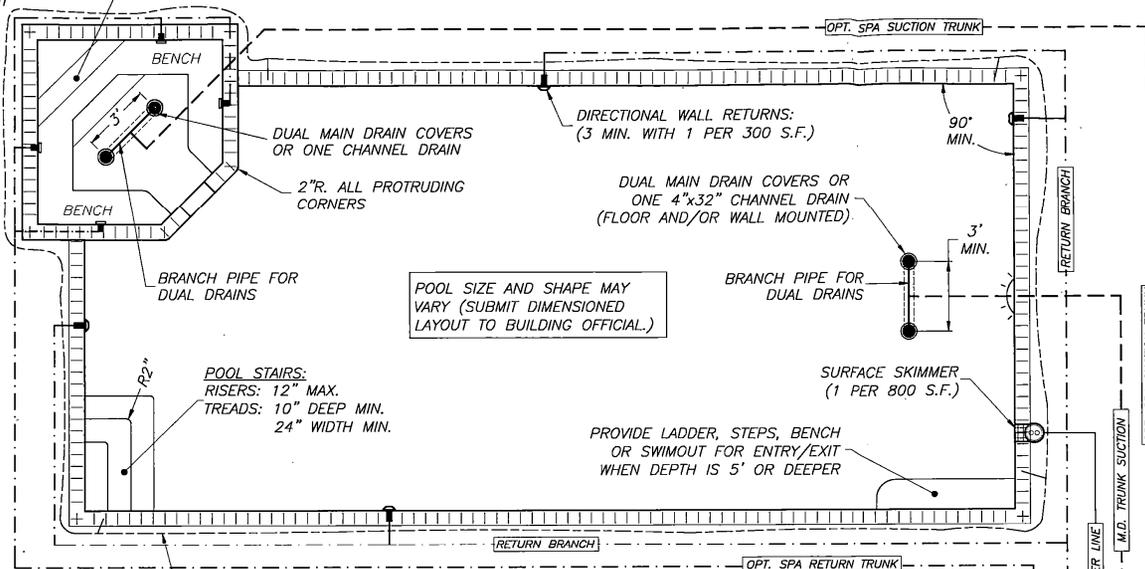
EQUIPMENT

POOL PUMP: Intelliflo VSF
 FILTRATION: Clean & Clear
 HEATER: Ultratemp 140
 TIMER: Intellicenter 5 PS
 SPECIAL: _____
 NOTES: _____

SEP 20 2023
 TOWN OF LONGBOAT KEY
 Planning, Zoning & Building
 2ND PUMP: Whisperlo XF

OPTIONAL SPA WHEN SHOWN ON DIMENSIONED LAYOUT

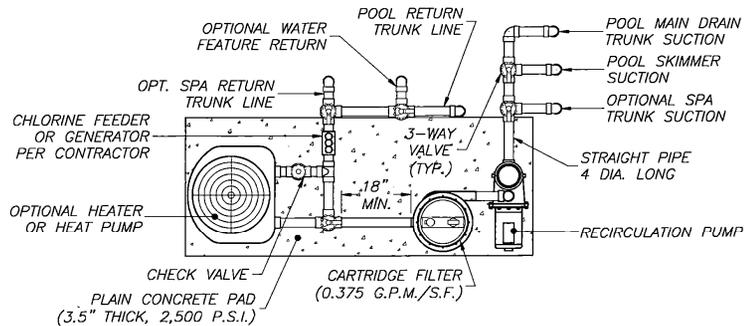
SPA STAIRS:
RISERS: 12" MAX.
TREADS: 10" DEEP X 24" WIDE MIN.



POOL SIZE AND SHAPE MAY VARY (SUBMIT DIMENSIONED LAYOUT TO BUILDING OFFICIAL.)

POOL & OPTIONAL SPA PLAN
(N.T.S.)

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



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

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 DETAILS
FLORIDA PRIVATE SWIMMING POOL**

Prepared For: **FREESTYLE POOLS & SPAS**
(941) 739-8657 (CPC 1456697)

NOTES:

- THESE PLANS ARE APPLICABLE TO RESIDENTIAL SWIMMING POOLS OF LESS THAN 108,000 GALLONS AND 150 G.P.M. PUMP RATE.
- DESIGN CRITERIA: FLORIDA BUILDING CODE, 7th EDITION (2020), SECTION 454.2 PRIVATE SWIMMING POOLS, ANSI/APSP-3, ANSI/APSP-5, ANSI/APSP-7, & ANSI/APSP/ICC-15.
- SAFETY BARRIERS FOR THE POOL SHALL BE PROVIDED IN ACCORDANCE WITH F.B.C. SECTION 454.2.17 INCLUDING WINDOW AND DOOR ALARMS IF APPLICABLE.
- ALL SUCTION OUTLET COVERS/GRATES AND FASTENERS SHALL COMPLY WITH LATEST ASME/ANSI 112.19.8.
- DUAL MAIN SUCTION COVERS SHALL EACH BE RATED FOR 100% OF THE SYSTEM FLOW RATE AND MAY BE FLOOR OR WALL MOUNTED. ALL SUCTION OUTLET COVERS SHALL INCLUDE THE MANUFACTURERS RECOMMENDED SUMP DIMENSIONS OR OTHERWISE IN ACCORDANCE WITH ASME/ANSI 112.19.8-LATEST ED. (FIGURE 2).
- CONSTRUCT POOL ON COMPACTED OR UNDISTURBED SOIL WITH A 1,500 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 ANSINSF-50.
- PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSI/UL 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 1/2 THAT OF THE MAXIMUM PUMP SPEED.
- 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.F.P.A. 70 ARTICLE 680 NATIONAL ELECTRIC CODE.
- 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 SHALL 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 AS LISTED BELOW BASED ON CONTRACTORS' OR ENGINEER'S CALCULATED MAXIMUM PUMP FLOW RATE PER BELOW:

PIPE SIZE CHART: (FOR F.B.C. ALLOWABLE VELOCITIES)

PUMP RATE (GPM)	RETURN (10'/SEC.)	SUCTION (8'/SEC.)	BRANCH (6'/SEC.)
20 - 62	2"	2"	2"
63 - 83	2"	2"	2 1/2"
84 - 89	2"	2 1/2"	2 1/2"
90 - 104	2"	2 1/2"	3"
105 - 119	2 1/2"	2 1/2"	3"
120 - 138	2 1/2"	3"	3"
139 - 150	2 1/2"	3"	4"

BLDG PERMIT PL'

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 Planning, Zoning & Building

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

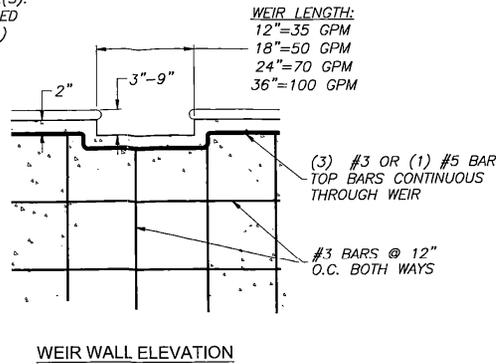
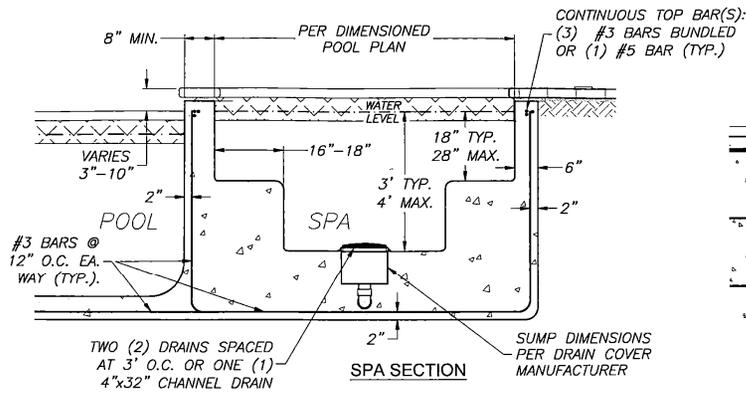
CREST ENGINEERING
of Sarasota, LLC

3402 Magic Oak Lane, Sarasota, Florida 34232
 Phone: (941) 377-8811
 Email: info@crestfl.com

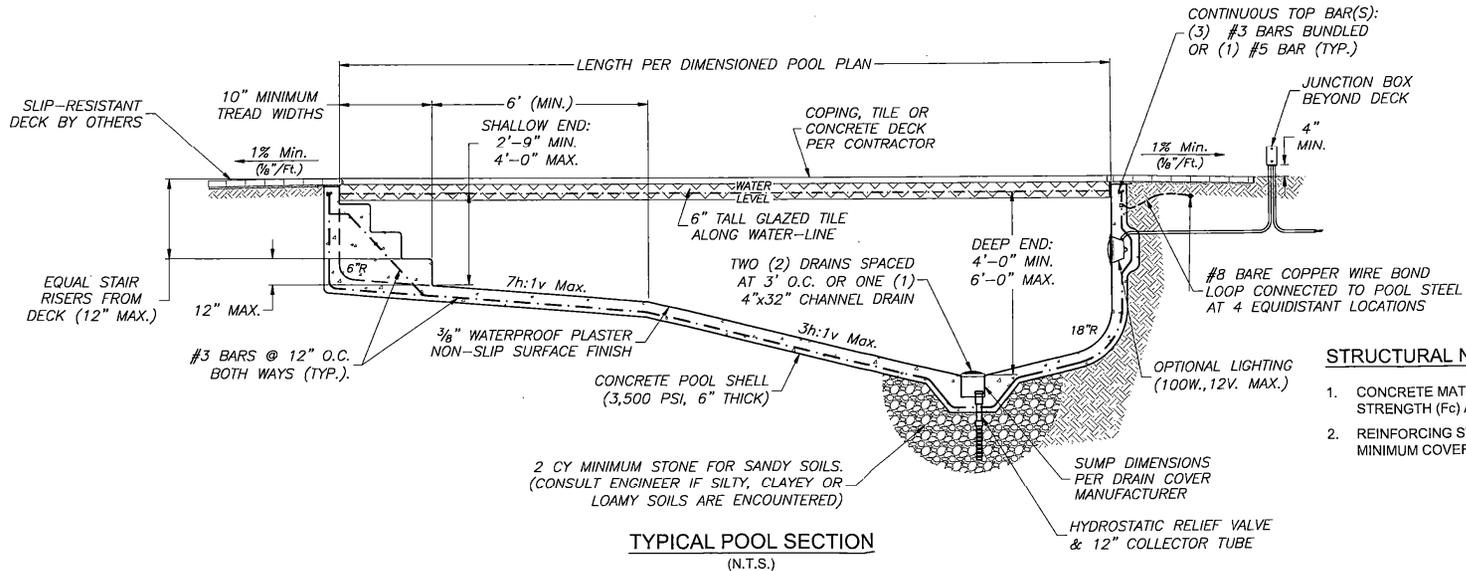
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SPA NOTES:

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.)



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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.

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
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