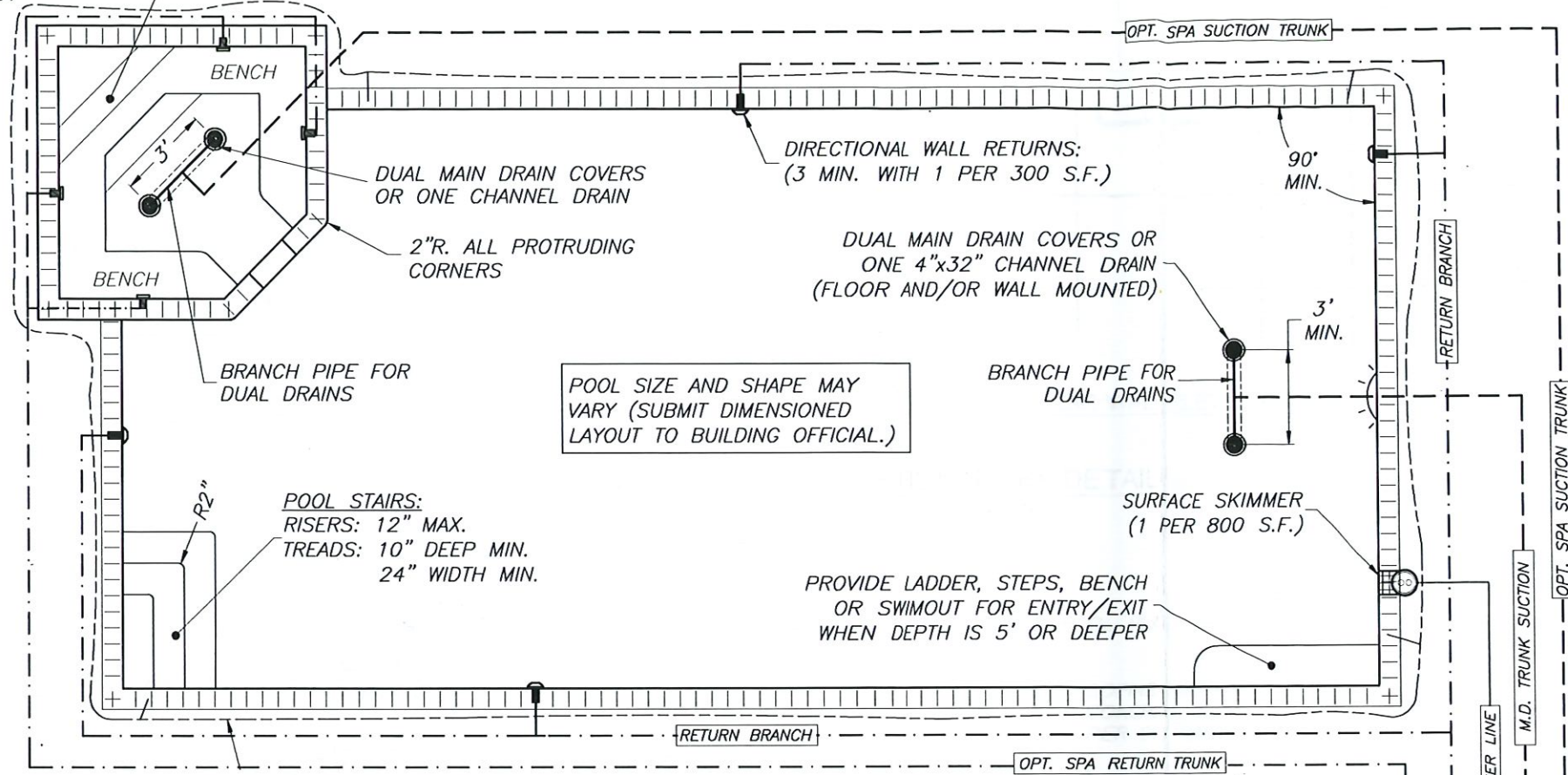


OPTIONAL SPA WHEN SHOWN ON DIMENSIONED LAYOUT

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

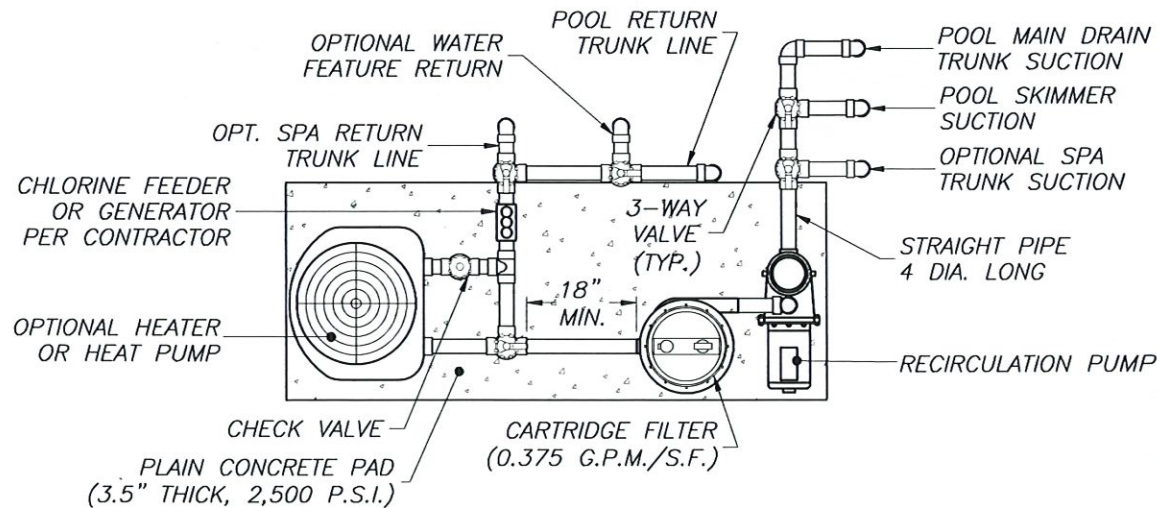


POOL SIZE AND SHAPE MAY VARY (SUBMIT DIMENSIONED LAYOUT TO BUILDING OFFICIAL.)

PROVIDE LADDER, STEPS, BENCH OR SWIMOUT FOR ENTRY/EXIT WHEN DEPTH IS 5' OR DEEPER

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

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



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:

1. THESE PLANS ARE APPLICABLE TO RESIDENTIAL SWIMMING POOLS OF LESS THAN 108,000 GALLONS AND 150 G.P.M. PUMP RATE.
2. 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.
3. 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.
4. ALL SUCTION OUTLET COVERS/GRATES AND FASTENERS SHALL COMPLY WITH LATEST ASME/ANSI 112.19.8.
5. 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).
6. 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.
7. THE LOCAL GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE POOL STRUCTURE DURING CONSTRUCTION AND ANY TIME THE POOL WATER IS EMPTY FOR MAINTENANCE.
8. 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.
9. CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANSI/NSF-50.
10. 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.
11. 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.
12. 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.
13. 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'.
14. UNDERWATER SEATS, BENCHES, AND SWIM-OUTS SHALL BE A MAXIMUM OF 20" BELOW THE WATERLINE.
15. THIS POOL DOES NOT PROVIDE A MINIMUM DIVING WATER ENVELOPE. NO DIVING OR DIVING EQUIPMENT IS ALLOWED.
16. 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"

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Date 1-05-2021

Project No. S0268

Michael L. Shannon, P.E.
Fla. License # 67896

JAN 05 2021

Sheet: SP-1 of 2

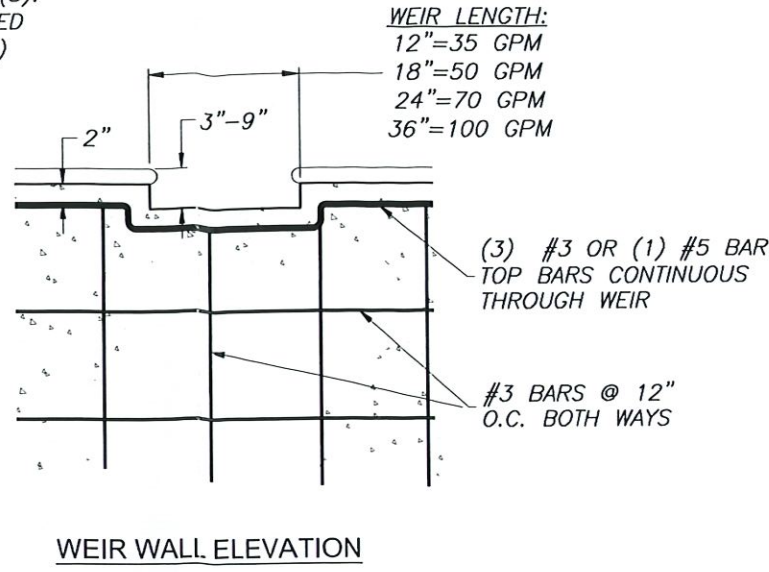
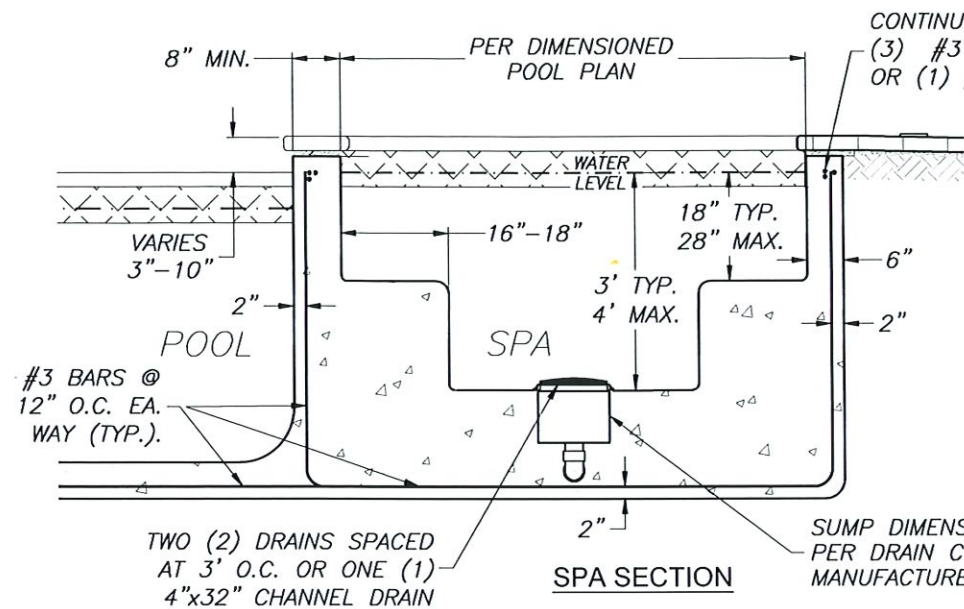
CREST ENGINEERING
of Sarasota, LLC

3402 Magic Oak Lane, Sarasota, Florida 34232

Phone: (941) 377-8811

Email: info@crestfl.com

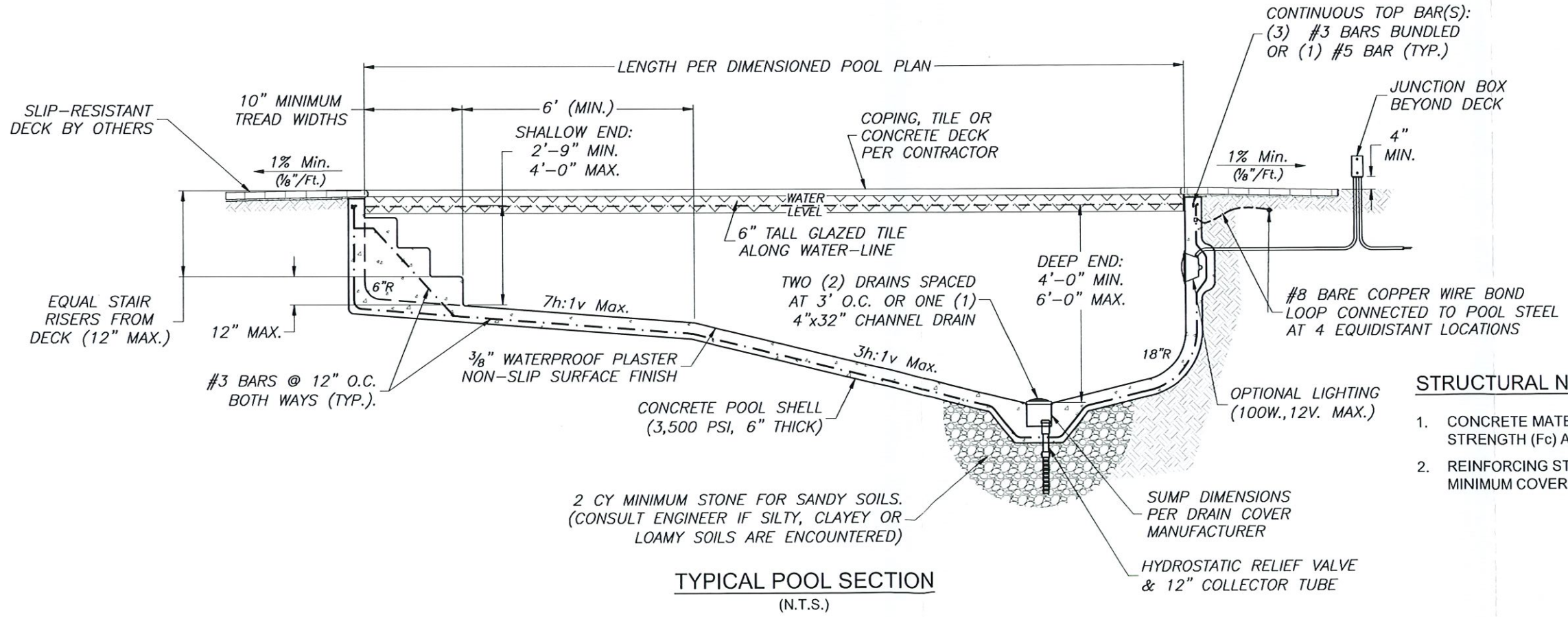
Florida Certificate of Authorization No. 28100



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

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

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JONAS YODER
CUSTOM HOMES INC.

www.jonasyodercustomhomes.com
EST. 1978
905 Ponder Ave. Sarasota, FL. 34232
Circled 57903 (941) 371-1586 Office
Circled 258281 (941) 379-2583 Fax

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

JC DRAFTING & DESIGN INC.
905 PONDER AVE SUITE C
Sarasota, Florida 34237
Phone (941) 925-3009 Cell (941) 376-2047
jcdraftinganddesigninc.com
Jon R. Couthurst, President

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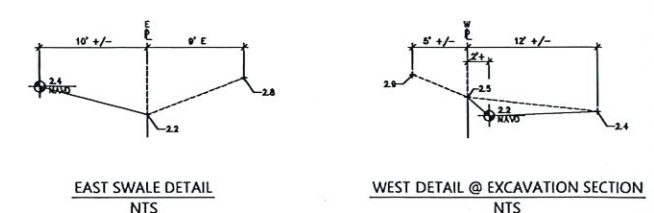
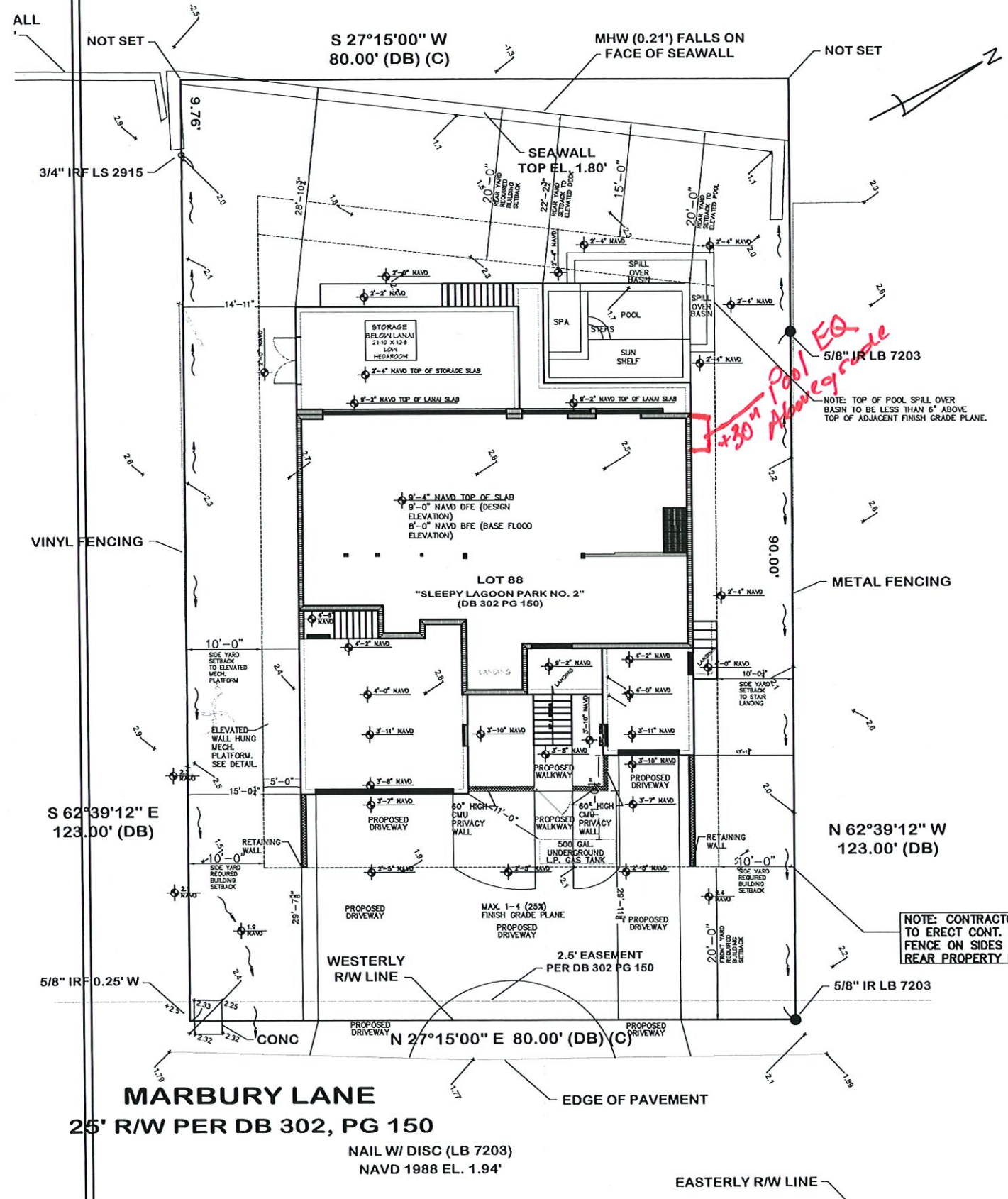
DATE: 8-15-2022

SCALE: AS SHOWN

SHEET TITLE:

DRAINAGE PLAN
SHEET NO.
D1.0

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



- NOTES:
- 1) NA
 - 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 SWALES 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 WILL 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' +/- 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.

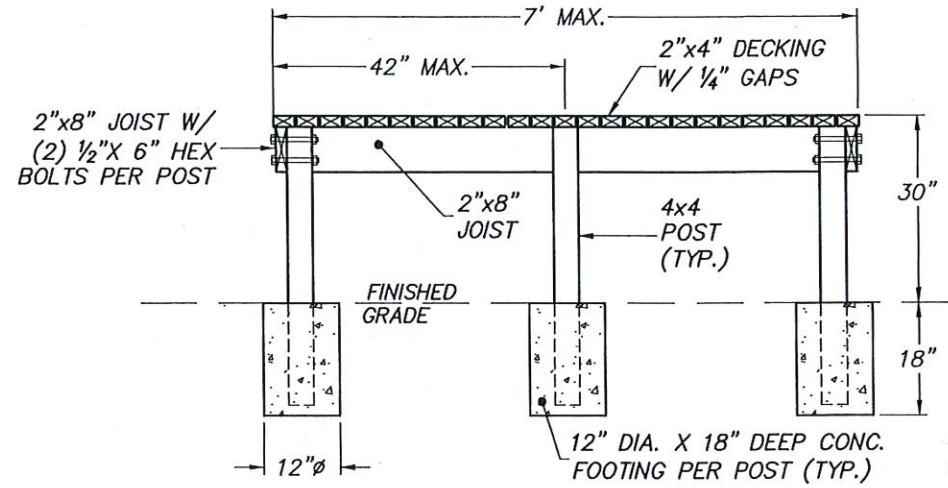
DRAINAGE PLAN

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

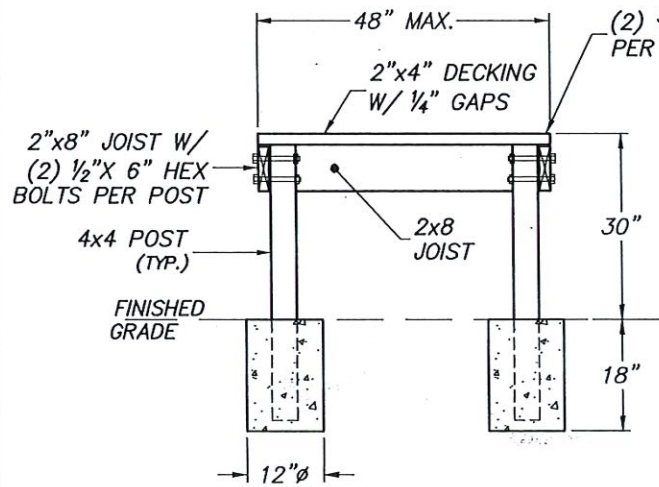
NOTE: THESE DRAWINGS ARE NOT TO BE SCALED

NOTES:

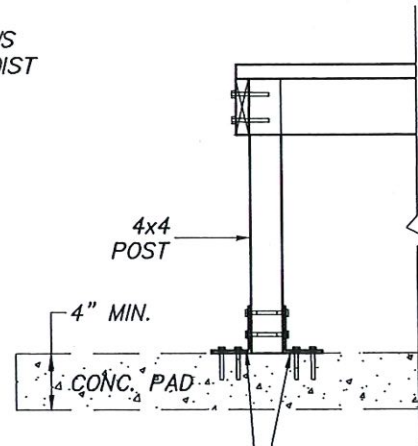
1. THIS DETAIL IS SUITABLE FOR USE ON PRIVATE FLORIDA SWIMMING POOLS AND SPAS LOCATED IN FLOOD ZONES X, A OR AE.
1. POSTS, JOISTS AND DECKING TIMBER TO BE PRESSURE TREATED SOUTHERN PINE #2 OR APPROVED EQUAL.
2. ALL HARDWARE TO BE HOT DIPPED GALVANIZED OR 316 STAINLESS STEEL.
3. CONCRETE FOOTINGS TO BE 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



(2) 6"x6"x1.5" L-BRACKET PER POST
W/ (2) 3/16"x2 1/2" WOOD SCREWS AND (2)
3/16" x 2" TAPCON SCREWS EACH

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



Michael L Shannon
Digitally signed by Michael L Shannon
Date: 2022.02.07 06:42:55 -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.

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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

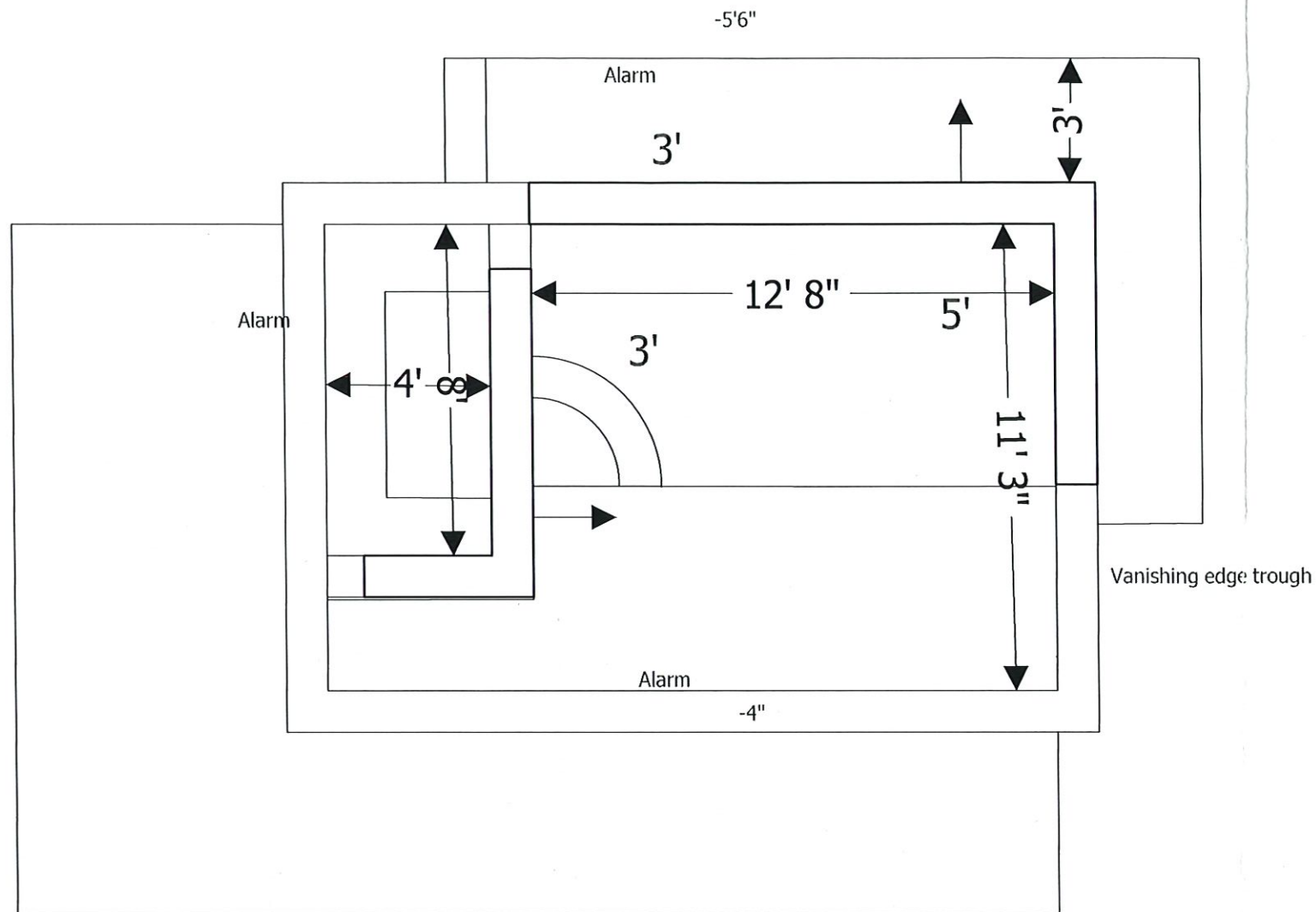
30" ELEVATED TIMBER POOL EQUIPMENT PAD

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 Marbury Lane Zip: 34228
 City: LBK
 Phone: 480-213-8499

POOL SPECS

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

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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: Itntelliflo VSF 2ND PUMP: Whisperflo XF
 FILTRATION: Clean & Clear FILTER SIZE: RP 200
 HEATER: Ultratemp 140 INLINE: Intellichlor IC 40
 TIMER: Intellicenter 5 PS GAS: _____
 SPECIAL: _____
 NOTES: _____