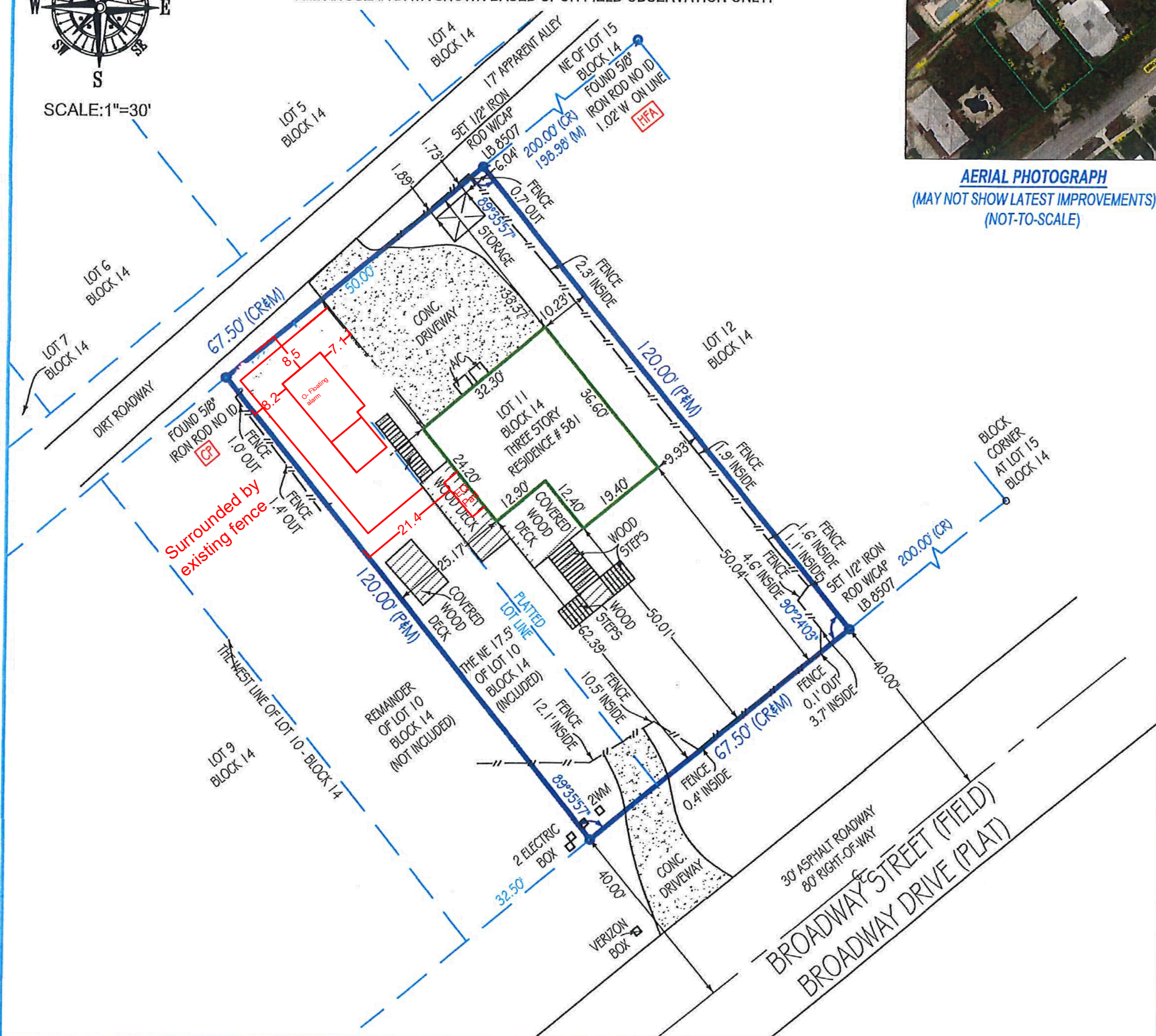


Sheet 1 of 2 (Sketch of Survey) - See Sheet 2 of 2 for Legal Description, Certifications, Property and other Survey related data. SURVEY IS NOT COMPLETE WITHOUT ALL SHEETS



BEARING REFERENCE:
NONE. RECORD INFORMATION LACKS ANGULAR DATA.
ALL ANGULAR DATA SHOWN BASED UPON FIELD OBSERVATION ONLY.



"CP" = CONTROLLING POINT (POINT OF ROTATION) "HFA" = HELD FOR ALIGNMENT - ALL OTHER MONUMENTATION AND IMPROVEMENTS RELATIVE THERETO

Platted Easements, Notable or Adverse Conditions (unplatted easements also listed if provided by client): IF APPLICABLE, RECIPIENTS OF THIS SURVEY SHOULD REVIEW THE POSITION OF ANY FENCE LINES SHOWN HEREON AND THEIR RELATIONSHIP TO THE BOUNDARY LINE - NO NOTABLE CONDITIONS FOUND.

This survey has been issued by the following
Landtec Surveying office:
700 West Hillsboro Boulevard, Suite 2-102
Deerfield Beach, FL 33441
Office: (561) 367-3587
Fax: (561) 465-3145
www.Landtecsurvey.com

Elevations, if shown:

Benchmark:

Benchmark Elev.:

Benchmark Datum:

Elevations on Drawing are in:

N.G.V.D.29 ☐ N.A.V.D.88 ☐

Revisions:

Job Nr: 244074-CW

Date of Field Work: 04/29/205

Drawn by: R. L.



LICENSED BUSINESS No. 8507



ELECTRIC POWER LINES: OVERHEAD POWER LINES SHALL NOT PASS WITHIN AN AREA EXTENDING A DISTANCE OF 10' HORIZONTALLY AWAY FROM THE INSIDE EDGE OF THE POOL WALLS. UNDERGROUND POWER LINES SHALL BE INSTALLED IN CONDUIT PER NFPA 70 (2020) SECTION 680.11.

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

2" POOL OVERFLOW PIPE FROM SKIMMER TO BEYOND DECK

SLIP-RESISTANT TILE, CONCRETE OR PAVER BULLNOSE COPING,

SURFACE SKIMMER (1 PER 800 S.F.)

OPTIONAL SUN SHELF WHEN SHOWN ON CONTRACTOR'S POOL PLAN (12" MAX. BELOW COPING)

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

M.D. SUCTION LINES

3' MIN. SPACING FOR DUAL DRAINS; OR (1) UNBLOCKABLE DRAIN

PROVIDE DEEP END LADDER, STEPS, BENCH OR SWIMOUT FOR ENTRY/EXIT WHEN WATER DEPTH EXCEEDS 5'

DIRECTIONAL WALL RETURN INLET (3 EA. MINIMUM WITH 1/300 S.F.)

12" MAX. UNIFORM RISERS
10" MIN. WIDE UNIFORM TREADS
POOL STAIRS
24" MIN. STAIR TREAD LENGTH
12" MAX. RISER

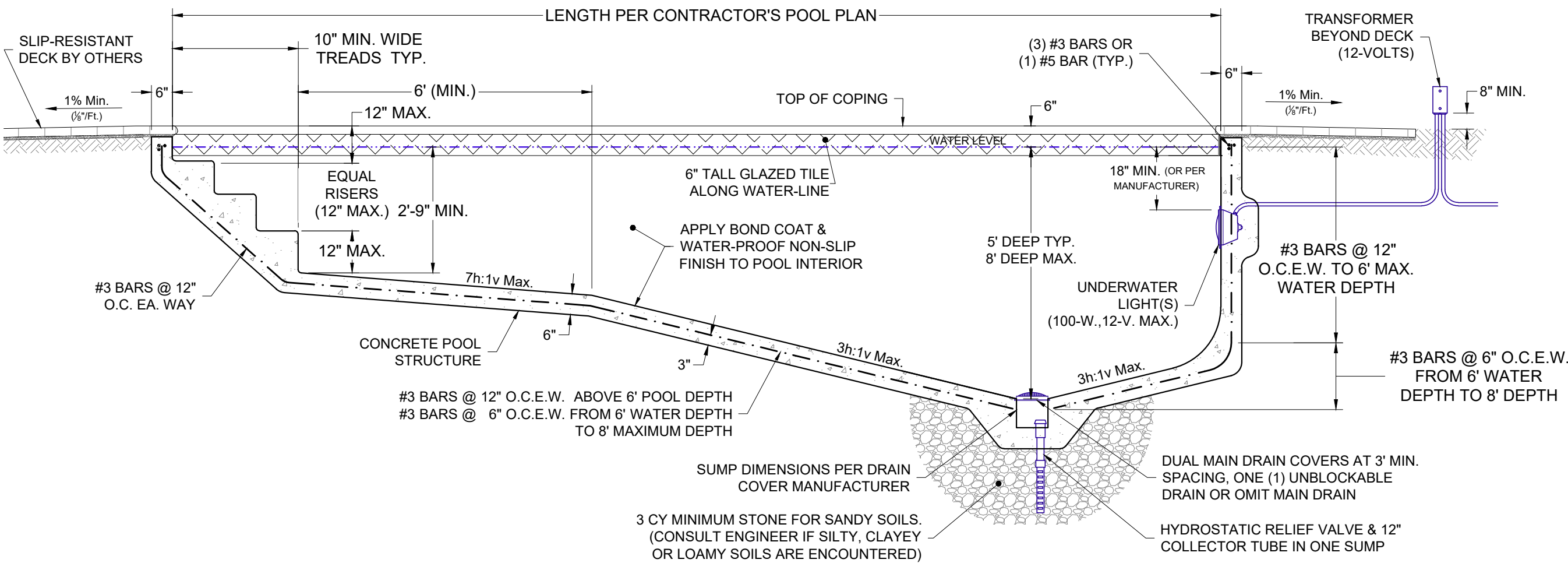
18"-24"

#8 COPPER WIRE BONDING JUMPER TO POOL REINFORCING STEEL AT (4) EQUIDISTANT LOCATIONS (TYP.)

RETURN LINE FROM POOL EQUIPMENT

TO POOL EQUIPMENT

TYPICAL POOL PLAN (N.T.S.)



TYPICAL POOL SECTION (N.T.S.)

GENERAL NOTES:

- THESE TYPICAL 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, RESIDENTIAL, 8TH EDITION (2023), SECTION R4501 PRIVATE SWIMMING POOLS, ANSI/APSP-3, ANSI/APSP-5, ANSI/APSP-7, ANSI/APSP/ICC-15 & NFPA-70/NEC (2020).
- SAFETY BARRIERS FOR THE POOL SHALL BE PROVIDED IN ACCORDANCE WITH F.B.C., RESIDENTIAL, SECTION R4501.17.1 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 ANSI/APSP/ICC-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 MANUFACTURE'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 ANSI/NSF-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 ½ 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 (8TH ED.) AND N.F.P.A. 70./N.E.C. (2020 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 LIGHT 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 SHALL BE PROVIDED FROM THE SHALLOW END CONSISTING OF A LADDER, BENCH, UNDERWATER SEAT OR SWIM-OUT. ONE ADDITIONAL MEANS OF EXIT SHALL BE PROVIDED FOR THE DEEP END WHEN WATER DEPTH EXCEEDS 5'. PROVIDE TWO MINIMUM 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 ANSI / APSP / ICC COMPLIANCE CALCULATIONS WITH MINIMUM PIPE SIZES PER BELOW :

PIPE SIZE CHART: (ANSI-5 & F.B.C. ALLOWABLE VELOCITIES)

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"

STRUCTURAL NOTES:

- CONCRETE MATERIAL TO HAVE **4,000 PSI** MINIMUM COMPRESSIVE STRENGTH (F_c) AT 28 DAYS AND WATER/CEMENT RATIO NO GREATER THAN 0.50. CONCRETE MAY BE PNEUMATICALLY APPLIED OR FORMED, POURED AND VIBRATED.
- REINFORCING STEEL TO BE GRADE 40 DEFORMED BARS WITH 1½" MINIMUM COVER FOR POOL INTERIOR AND 3" COVER TO EARTH. LAP SPLICE #3 BARS 15" MIN., #5 BARS 19" MIN.
- DESIGN CRITERIA: ALLOWABLE STRESS DESIGN WITH 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:	1,800 psi (0.45F _c)
REINFORCING STEEL STRESS:	20,000 psi (Grd. 40)

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
6403 19th Street E, Bldg C2
Sarasota, Florida 34243
Phone: (941) 377-8811
Email: info@crestfl.com
Florida Engineering Firm No. 28100

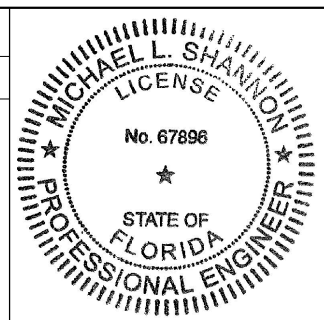
Date: 5-02-2025

Project No: S0700

Michael L Shannon

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

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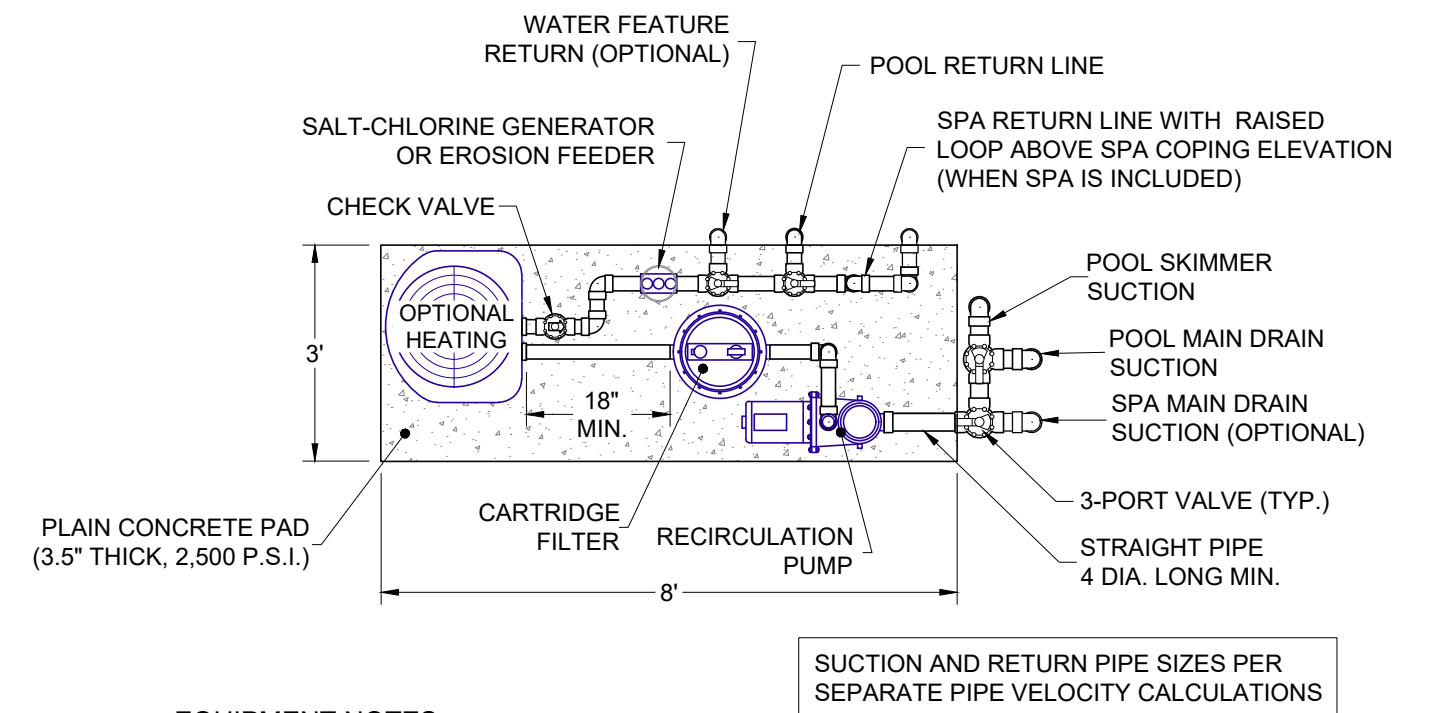
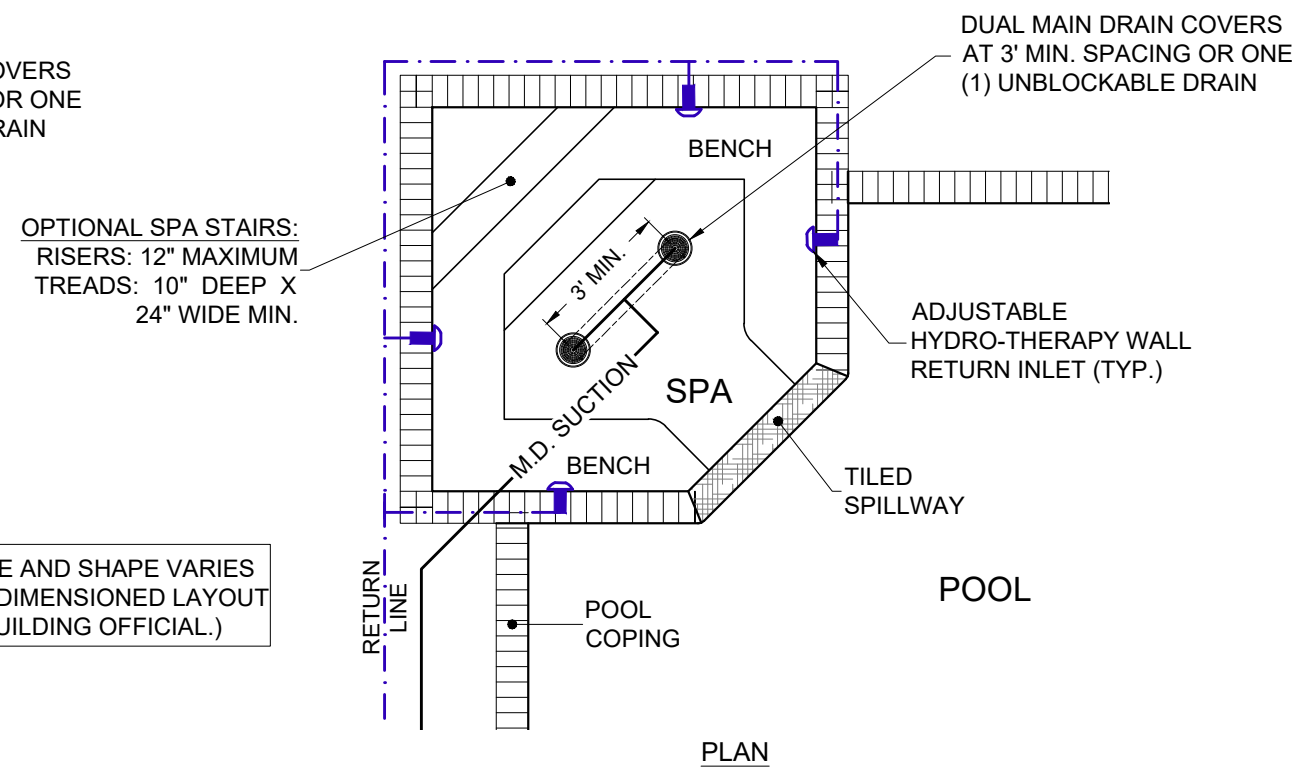
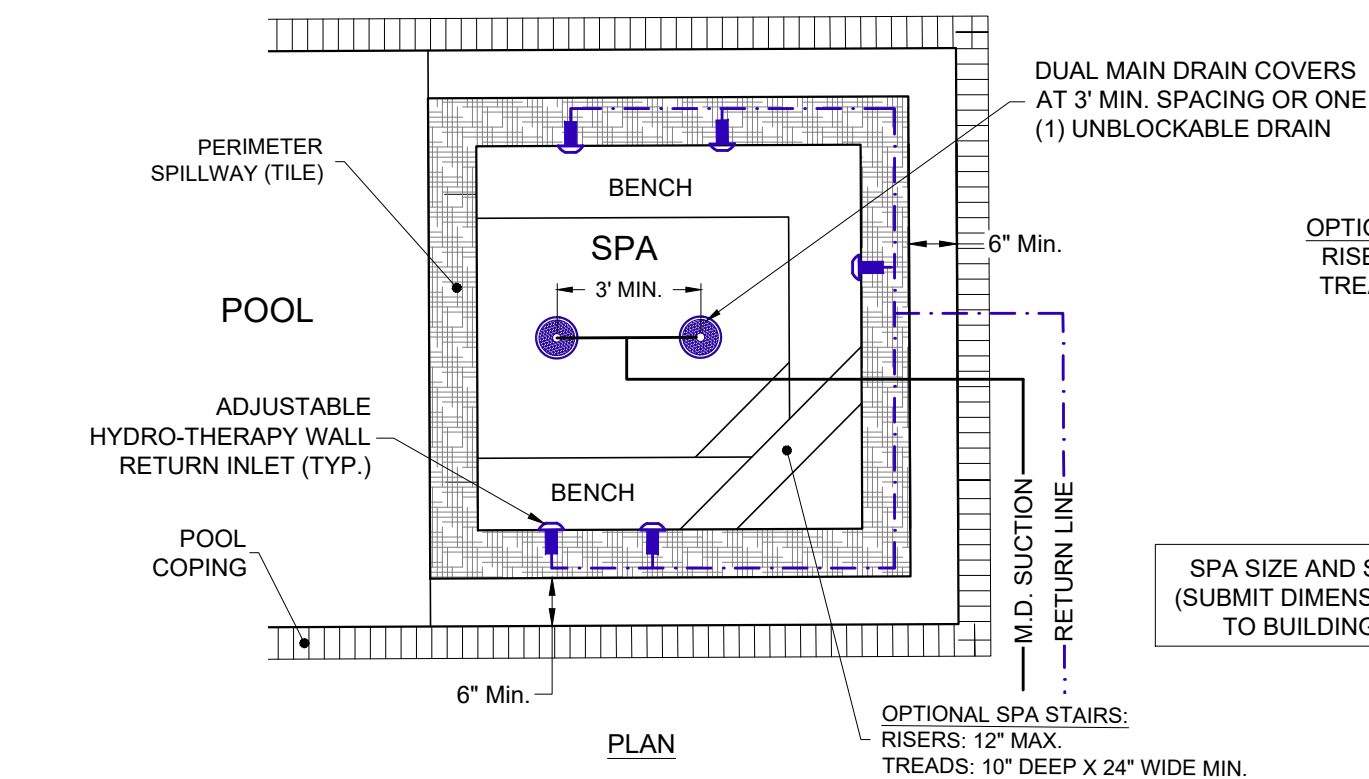
STANDARD DETAILS
TYPICAL IN-GROUND PRIVATE
SWIMMING POOL

MINIMUM RESIDENTIAL/PRIVATE SWIMMING POOL STANDARDS PER FLORIDA BUILDING CODE, 8TH EDITION (2023) SECTIONS 454.2 & R4501, ANSI/APSP/ICC-3 (2014), ANSI/APSP/ICC-5a (2013) & ANSI/APSP/ICC-7 (2020)

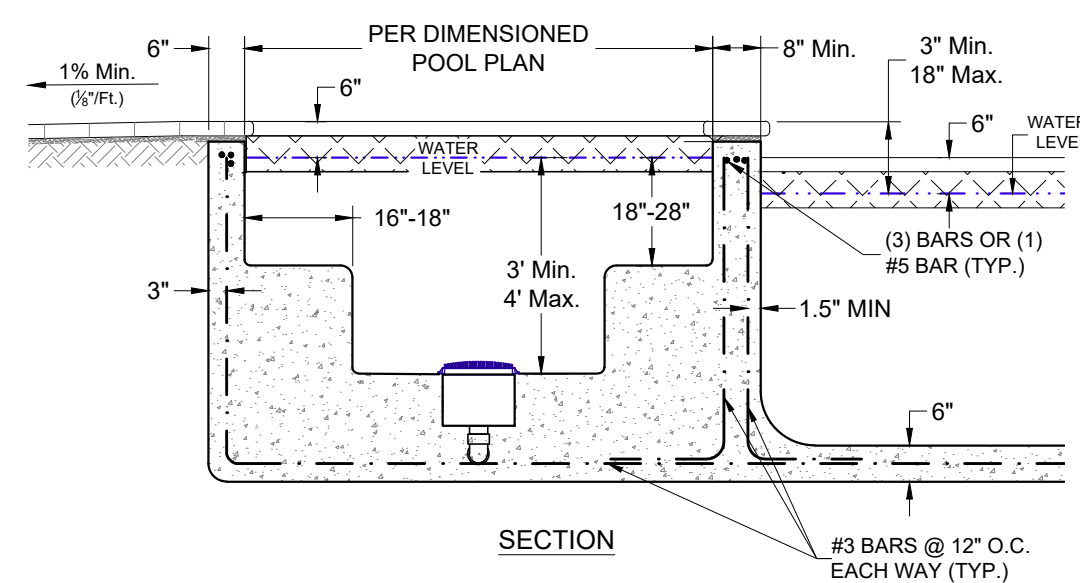
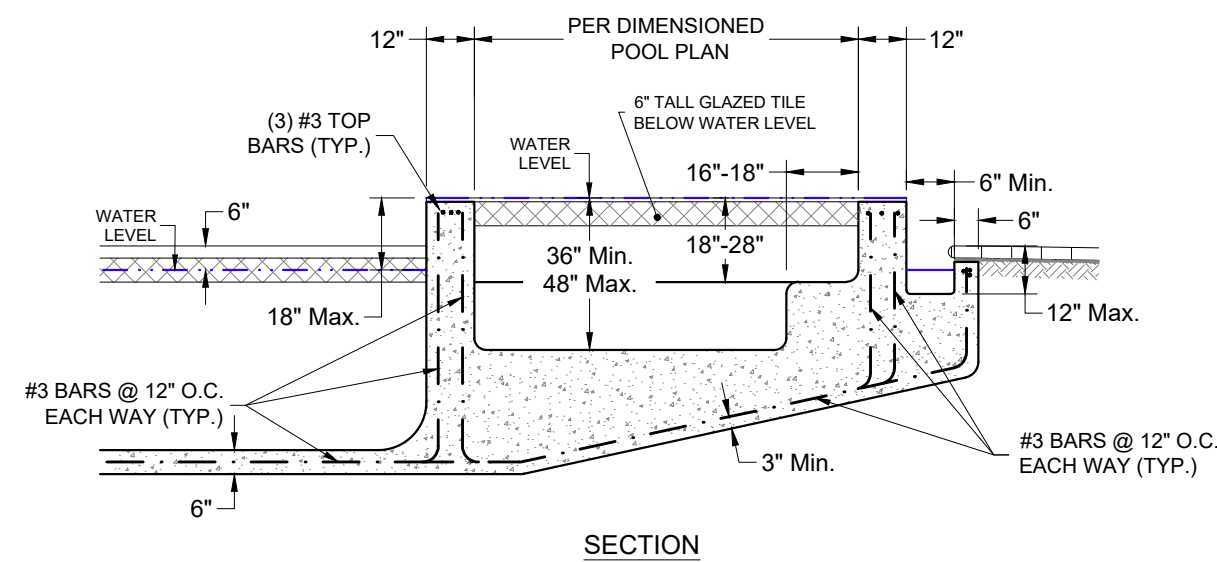
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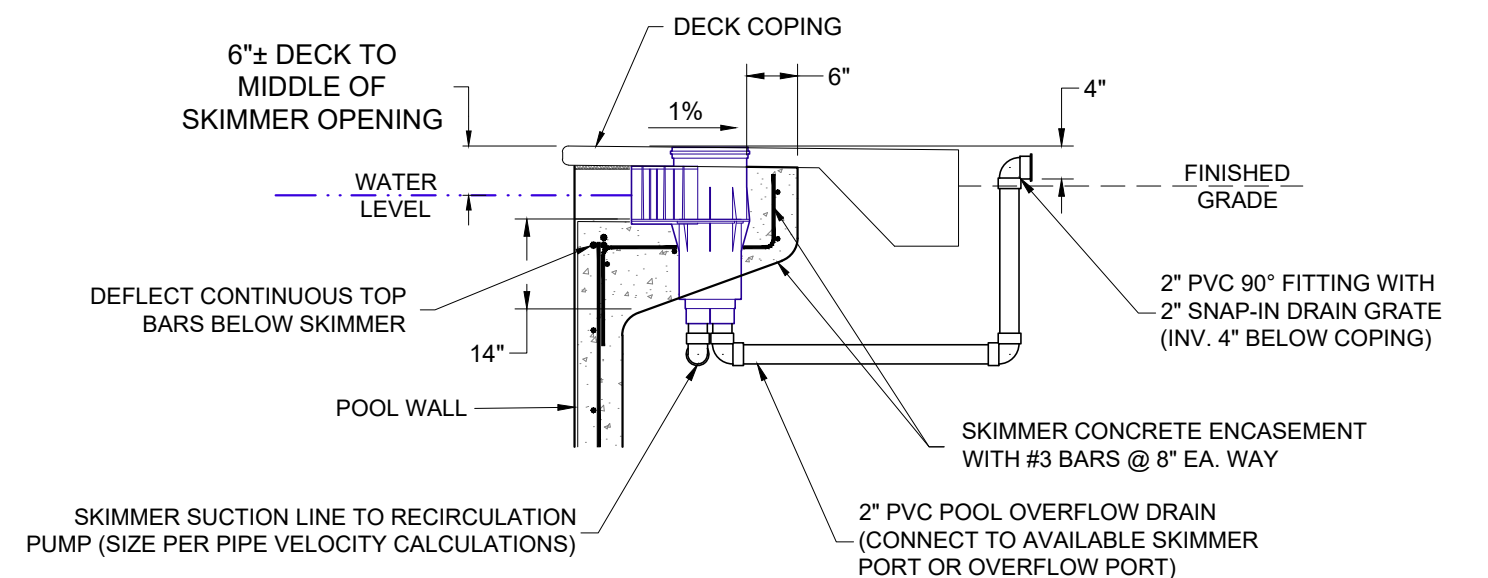
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EQUIPMENT NOTES:

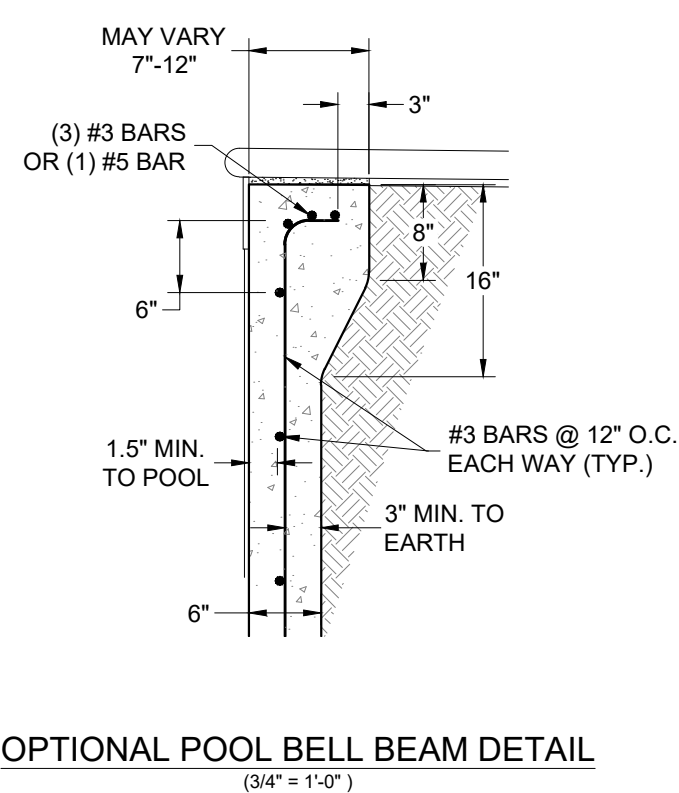
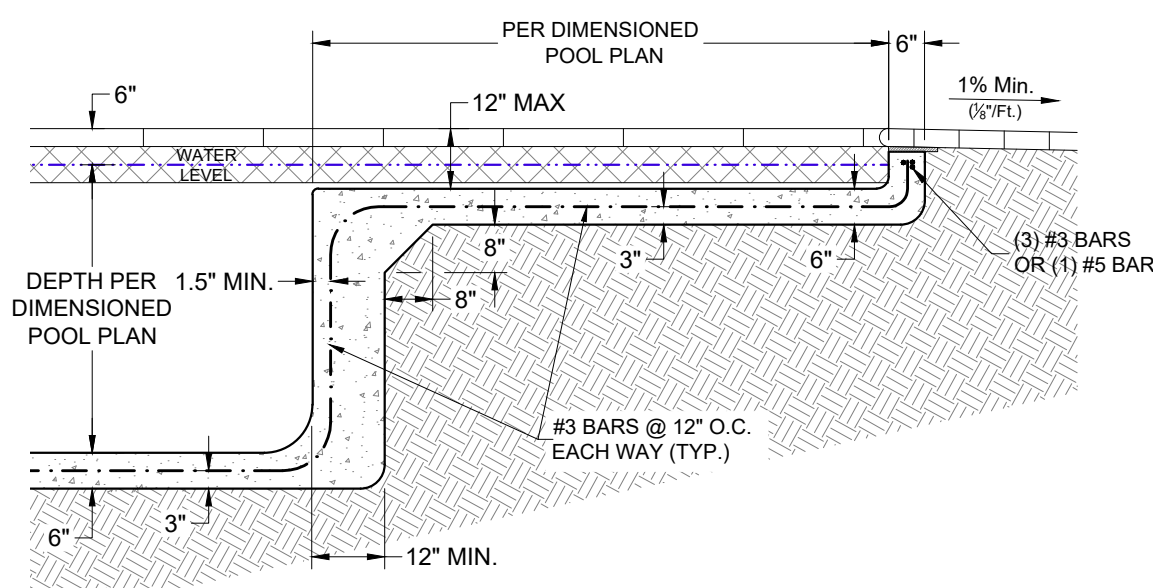
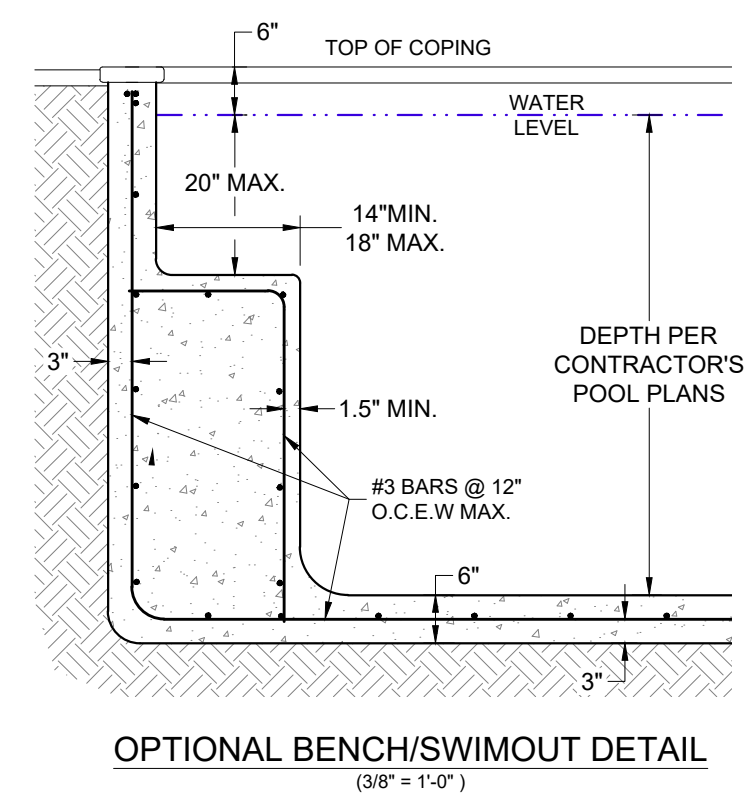
1. CHLORINATING AND/OR DISINFECTANT EQUIPMENT SHALL COMPLY WITH THE LATEST ANSISNF-50.
2. PUMPS SHALL BE 3 H.P. OR LESS AND COMPLY WITH ANSI/UL 1081.
3. ANY POOL LIGHTING, ALL ELECTRICAL WORK AND BONDING OF POOL, EQUIPMENT, HANDRAILS AND LIGHTS TO THE POOL REINFORCING STEEL SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE AND N.F.P.A. 70 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")



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

OPTIONAL POOL BELL BEAM DETAIL
(3/4" = 1'-0")

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:

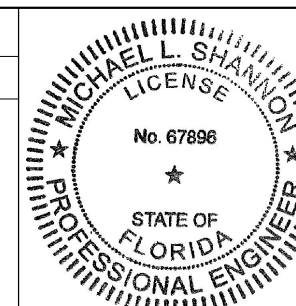
CREST ENGINEERING
of Sarasota, LLC
6403 19th Street E, Bldg C2
Sarasota, Florida 34243
Phone: (941) 377-8811
Email: info@crestfl.com
Florida Engineering Firm No. 28100

Date: 5-02-2025

Project No: S0700

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

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STANDARD DETAILS

TYPICAL IN-GROUND PRIVATE SWIMMING POOL

MINIMUM RESIDENTIAL/PRIVATE SWIMMING POOL STANDARDS PER
FLORIDA BUILDING CODE, 8TH EDITION (2023) SECTIONS 454.2 & R4501,
ANSI/APSP/ICC-3 (2014), ANSI/APSP/ICC-5a (2013) & ANSI/APSP/ICC-7 (2020)

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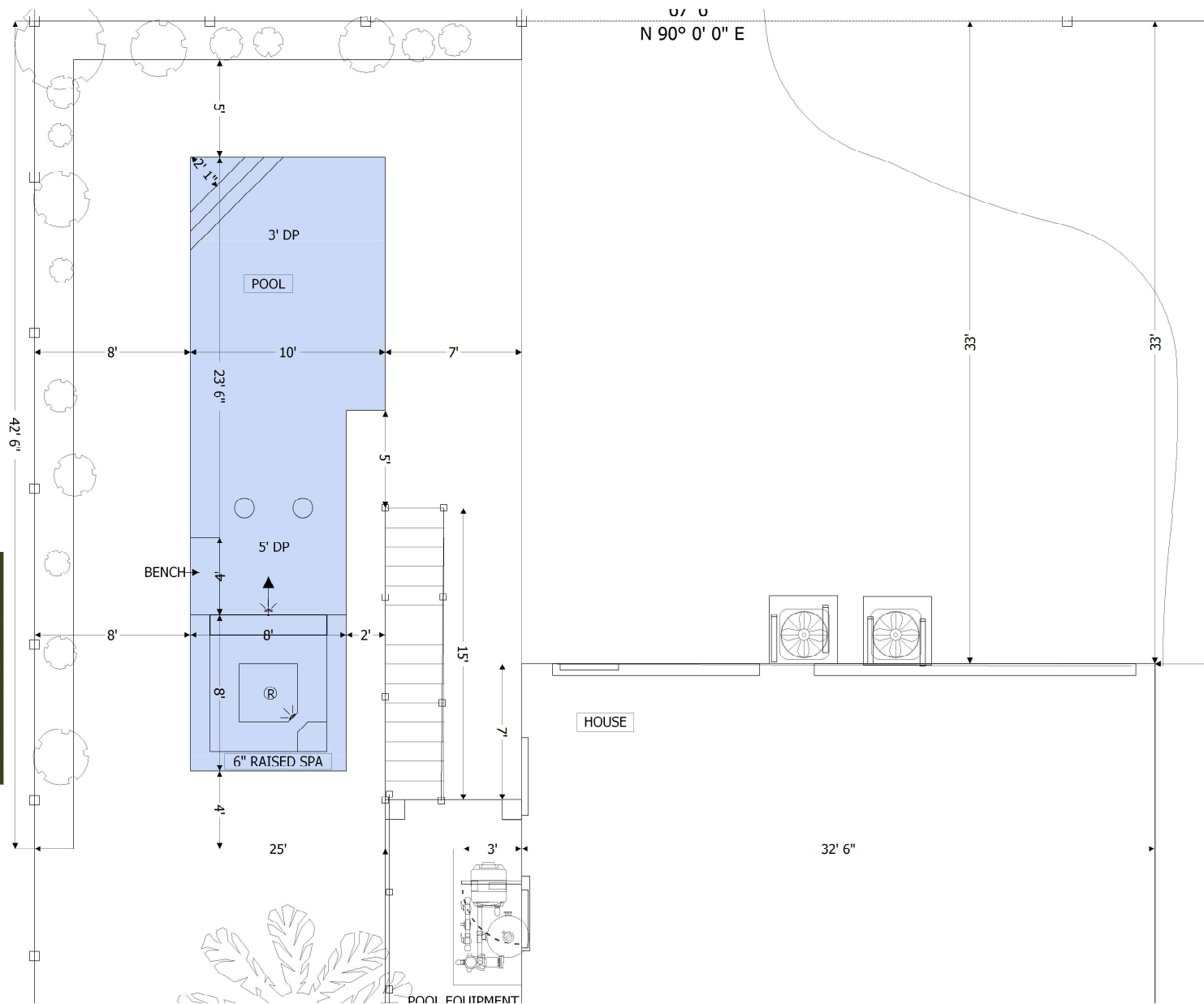
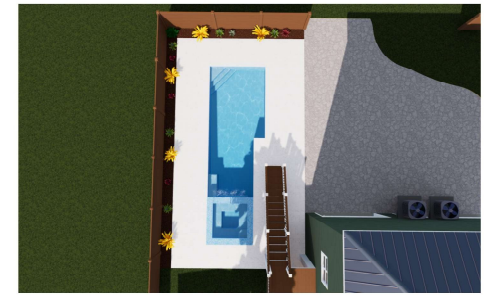
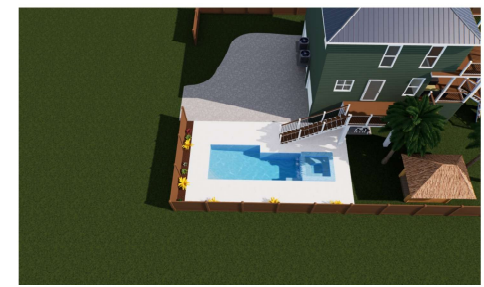
CLIENT SIGNATURE : _____

JOB: ORILLAC-MOLINA

DESIGN: Henderson DATE: 06/04/2025

OR-POOL-25-0014
Dylan Calella

FAMILY POOLS



CUSTOMER
CUSTOMER NAME: ORILLAC-MOLINA, MICHELLE
ADDRESS: 581 BROADWAY ST,
CITY/STATE/ZIP: LONGBOAT KEY, FL 34228
PHONE: _____ FAX: _____
CELL: (305) 297-7655
EMAIL: michelleorillac@gmail.com

POOL
LENGTH: 23'6" SQFT: 216'
WIDTH: 10' COPING: 67'
DEPTH: 3'-5" LIGHTS: 1
RETURNS: 3 DRAINS: 2
INTERIOR MATL: TBD POOL BEAM: 6"
NOTES: _____

SPA
LENGTH: 8' OD SQFT: 36'
WIDTH: 8' OD COPING: 24'
DEPTH: 3' LIGHTS: 1
RETURNS: 1 DRAINS: 2
RAISED HEIGHT: 6" SPILLWAY: 6'
INTERIOR MATL: TBD SPA BEAM: 12"
NOTES: _____

PLUMBING
RETURNS: 4 SKIMMERS: 1
VAC LINES: N/A MAIN DRAINS: 4
CLEANING SYSTEM: N/A
WATER FEATURES: N/A
NOTES: _____

DECK
DECK TYPE: AKOYA/To be Sealed ELEVATION: -0"
TOTAL DECK SQFT: 650' FOOTER: N/A
RAISED BEAM: N/A DECK DRAIN: 42'6"
EXISTING LANAI SQFT: N/A
NOTES: _____

EQUIPMENT
POOL PUMP: 950 VS
FILTRATION: CARTRIDGE FILTER SIZE: 150 sq/ft
TIMER: OMNI CHLORINATOR: SALT
HEATER: GAS 250K BTU
NOTES: _____

**FAMILY POOLS**

ADDRESS: 2175 9th ST
CITY/STATE/ZIP: SARASOTA, FL 34237
PHONE: (941) 780-8437 FAX: (941) 221-2799
EMAIL: Noah@FLfamilypools.com
DESIGNER: Noah Henderson
ALTERNATE CONTACT: EARL RISSLER
LICENSE #: CPC1457329

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