

GENERAL DESIGN REQUIREMENT

DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN ANSI/NSPI 5 RESIDENTIAL IN GROUND SWIMMING POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.
ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NSPI 3 LADDER, UNDERWATER SEATS, AND SWIM OUTS (MAX 20" BELOW WATER).
CIRCULATION SYSTEM, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.
THE MAXIMUM TURNOVER TIME IS 12 HOURS.
FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAUGE.
PUMPS 3 HP AND LESS SHALL MEET ANSI/UL1081, CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW.
SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.
RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY 600 SQUARE FEET.
HEATERS SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL559
DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES.

The following codes are to be met where required:
Florida Building Code - Residential 2020, 7th Ed.
Chapter 42 and Chapter 45:
section R4501

Florida Building Code - Mechanical 2020, 7th Ed.
Florida Building Code - Plumbing 2020, 7th Ed.
Florida Building Code - Fuel Gas 2020, 7th Ed.
2017 National Electric Code
ANSI/NSPI/ICC 3-14, ANSI/NSPI/ICC 4-12,
ANSI/NSPI/ICC 5-11, ANSI/NSPI/ICC 6-13,
ANSI/NSPI/ICC 7-13, ANSI/APSP/ICC 15-11

SPECIAL SPA REQUIREMENTS

ELECTRICAL REQUIREMENTS

WIRING AND BONDING AND ALL ELECTRICAL TO NEC 2017 ART. 680 OR LOCAL CODE NO OUTLET OR OVERHEAD POWER WITHIN 10'. IF WITHIN 15' ABOVE WATER. J BOX 4' FROM POOL. BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVS IS APPROVED.

EQUIPOTENTIAL BONDING GRID TO BE ACCOMPLISHED PER THE NEC 2017, SECTION 680.26(B)(1)(b)

CONSTRUCTION NOTES:

SLAB & FOOTING: 2500 PSI CONCRETE

ADDITIONAL NOTES:

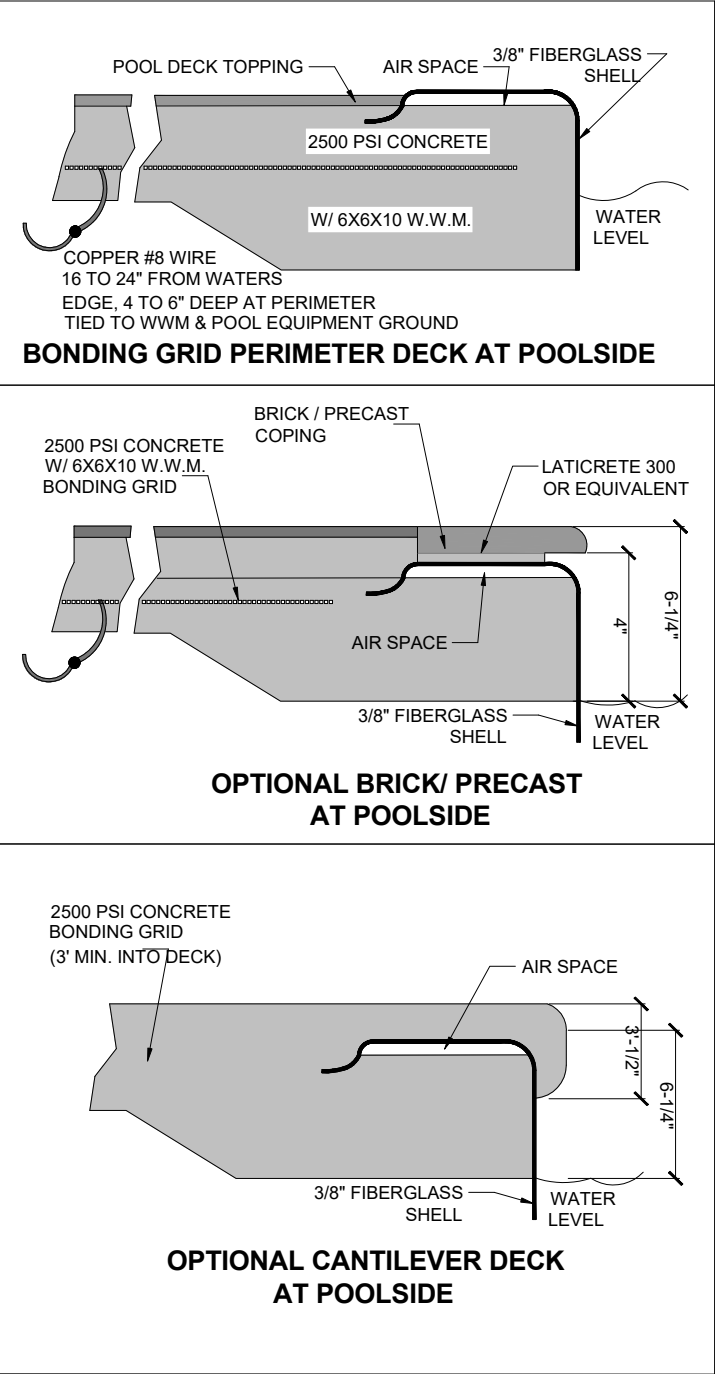
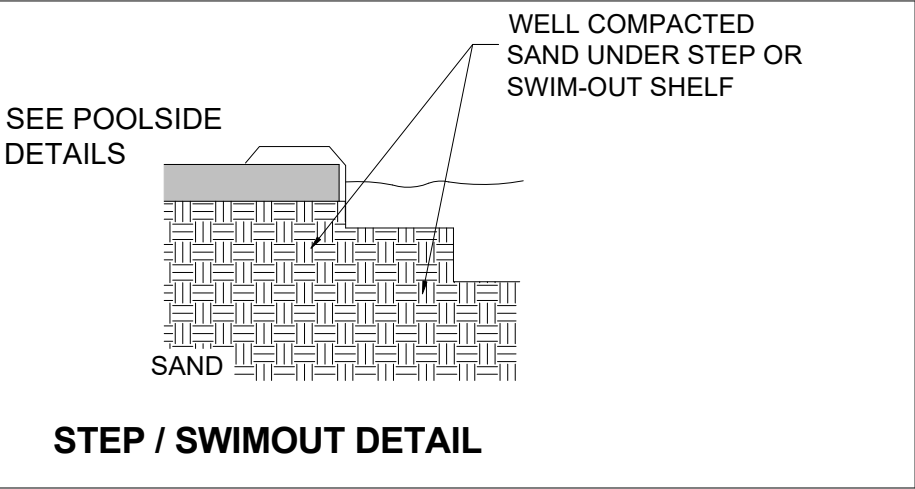
1. POOL INSTALLATION SHALL BE A LICENSED POOL CONTRACTOR
2. TYPICAL PROPERTIES OF A REINFORCED FIBERGLASS POOL.

GLASS CONTENT BY WEIGHT	37%
TENSILE STRENGTH, PSI AT 77F	13,400
1-2%	
FLEXURAL STRENGTH, PSI AT 77F	900,000-1,000,000
FLEXURAL MODULUS, PSI X 10AT 77F	0.72-0.77
1200 IMPACT FT-LBS/ INCH OF NOTCH	5.9
COMPRESSIVE STRENGTH, PSI	25000-38000
TYPICAL THICKNESS, INCHES	1/4" TO 3/8" AVG.

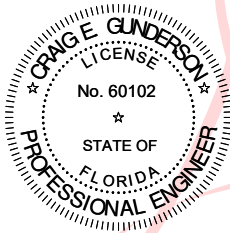
3. POOL SHELL SHALL BEAR ON UNDISTURBED SOIL, FREE OF PEAT, MUCK, OR OTHER DELETERIOUS MATERIAL OF ANY SIGNIFICANT AMOUNT.
4. BACKFILL MATERIAL MUST NOT CONTAIN ROCKS OR OTHER MATERIALS THAT COULD DAMAGE POOL WALLS.
5. PUMP AND FILTRATION SHALL BE DESIGNED FOR WATER TURNOVER OF 12 HOURS, MAXIMUM.

ADDITIONAL NOTES (CONT.):

6. STEPS SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL. (10" MINIMUM TREAD WITH 240 SQUARE INCH MINIMUM AREA, 12" RISER WITH INTERMEDIATE TREADS AND RISERS UNIFORM).
7. LADDERS ARE TO BE PROVIDED IN POOLS WITH GREATER THAN 5' DEPTH WITHOUT SWIM OUTS.
8. INSTALLATION VOLTAGE LIGHT PER NEC 2017, SECTION 680.
9. DIVING PLATFORMS OR DIVING BOARDS ARE NOT TO BE INSTALLED ON POOL.
10. POOL SHALL NOT BE DRAINED WITHOUT CONSULTING POOL CONTRACTOR OR ENGINEER.
11. ALL GLASS WITHIN 5' OF WATERS EDGE SHALL COMPLY BUILDING CODE REQUIREMENT.
12. TWO SPEED OR VARIABLE SPEED PUMP IS REQUIRED TO MEET ANSI/APSP-15, 2010

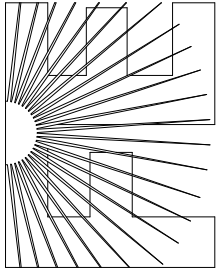


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by Craig E Gunderson
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PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
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CA CERT. #30782
PROJECT NO. 2215308

CONTRACTOR:
PREMIER POOLS & SPAS
OF JACKSONVILLE

PROJECT ADDRESS:
SANDOVAL
458 SW OLD WIRE RD
LAKE CITY FL, 32024

DESIGN DATE:	DATE	PAGE : 1
REVISION 1:	REV.D1	
REVISION 2:	REV.D2	
DRAWN BY:	MTG	
SCALE:	NTS	

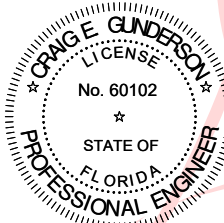
- GENERAL NOTES:
1. ANSI/ APSP/ ICC-5 2011: THE NUMBERS OF RETURN INLETS SHALL BE BASED ON A MINIMUM OF (1) RETURN INLET PER 300 SQ. FT. OF POOL SURFACE AREA OR FRACTION THEREOF.
 2. WHERE A WALL OF A DWELLING SERVES AS PART OF THE BARRIER, CONTRACTOR SHALL MEET THE BARRIER REQUIREMENTS AS PER 2020 FBC SECTION 454.2.17.1.9.
 3. FOR ALL WALKING SURFACES LOCATED MORE THAN 30" ABOVE GRADE, GUARDS SHALL BE PROVIDED PER 2020 R312.

SCOPE OF WORK:
FIBERGLASS POOL (RESIDENTIAL) ENGINEERING
(POOL NOT DESIGNED FOR DIVING)

FIBERGLASS POOL PLAN

POOL DEPTH TO BE 3.58FT TO 5.83FT

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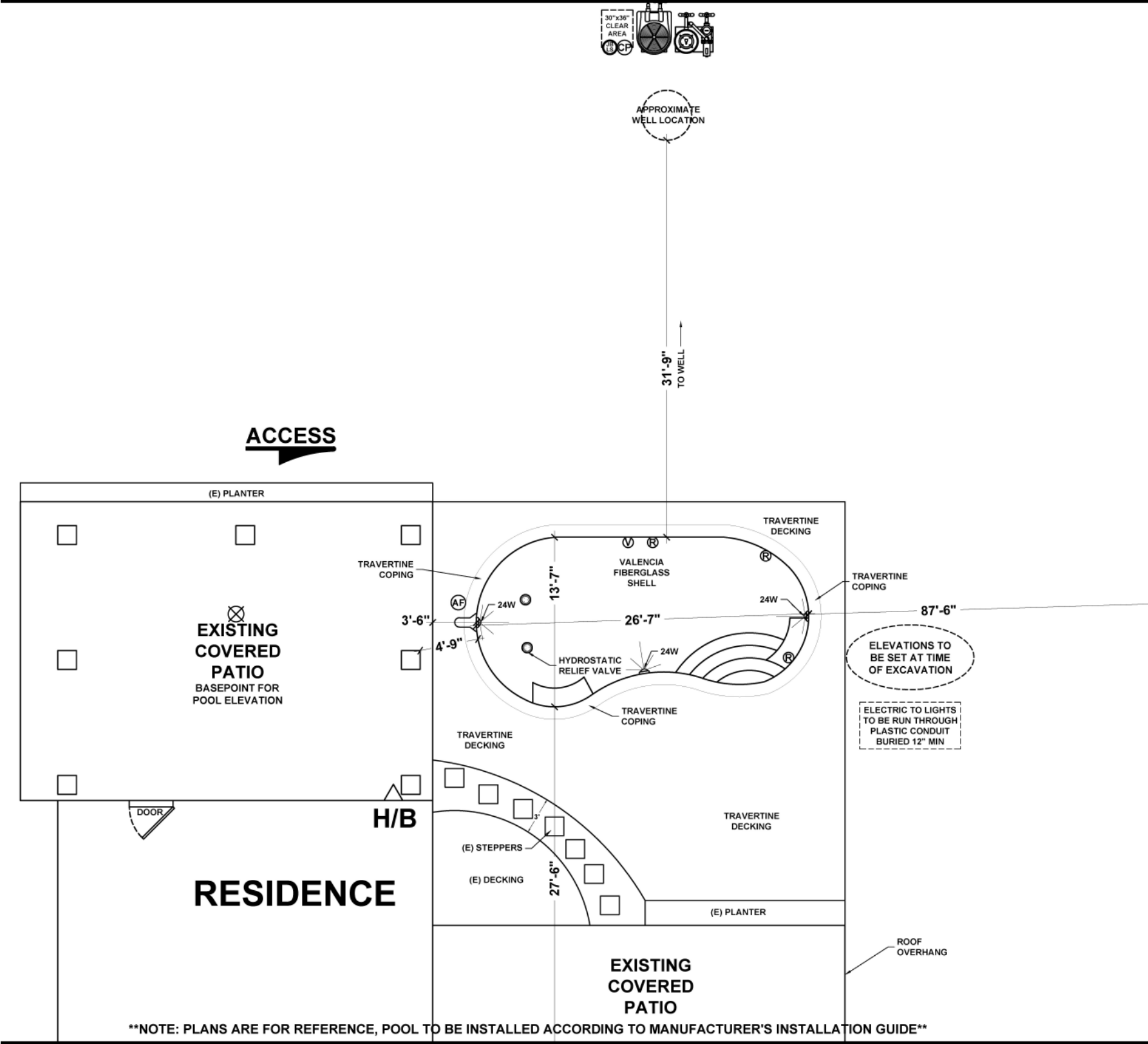


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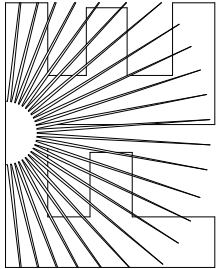
POOL EQUIPMENT (AS LISTED OR EQUAL):

Pump: Jandy 2.7 HP VS
Main Drain Cover: CMP 25215
Filter: Jandy 340CV

Minimum Pipe Sizes:
2.5" Branch lines to main drains.
2.5" Suction lines
2.0" Return lines



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PAGE :
2

CONTRACTOR TO INSTALL ALL PRODUCTS PER
MANUFACTURER'S SPECIFICATIONS

NOTE: PLANS ARE FOR REFERENCE, POOL TO BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION GUIDE

