

DATE 03/04/2010

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000028400

APPLICANT BARRY BLANTON PHONE 352-332-7665
ADDRESS 3501 NW 97TH BLVD. GAINESVILLE FL 32606
OWNER BRYAN ZECHER HOMES, INC. PHONE 386-752-6099
ADDRESS 1343 SW MANDIBA DRIVE LAKE CITY FL 32024
CONTRACTOR TILLIS GIBSON PHONE 352-332-7665
LOCATION OF PROPERTY 41-S TO C-240, TURN WEST TO TUSTENUGGEE TO THE OAKS S.D
IN THE BACK @ 4-WAY STOP AND IT'S THE 1ST. HOME ON L.
TYPE DEVELOPMENT SWIMMING POOL ESTIMATED COST OF CONSTRUCTION 21500.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING PRRD MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 18-5S-17-09280-154 SUBDIVISION THE OAKS
LOT 54 BLOCK PHASE 1 UNIT TOTAL ACRES

CPC044114

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X-10-042 BLK HD N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE.

Check # or Cash 40877

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
 date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
 date/app. by date/app. by date/app. by
Framing Insulation
 date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
 date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
 date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
 date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
 date/app. by date/app. by date/app. by
Reconnection RV Re-roof
 date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 110.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 160.00
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.



332-POOL

3601 N.W. 97th Blvd.
Gainesville, Florida 32606

REF. NO.

POOL SHAPE Rectangle JOB NO.

SIZE 14' x 26' DEPTH 3'6" TO 7' PERM 89 AREA 404

DECK Owner/Owner DECK SURFACE Owner DECK DRAIN yes

COPING Owner CANTILEVER no

TILE 6" x 6" COLOR Owner

STEP COLOR no COLOR no

TURNOVER 8hr FILTER TYPE P SIZE 150 PUMP V54 SVS

SKIMMER yes INLETS 5 MAIN DRAIN yes

GRAB RAILS no HAND RAIL no LADDER no

POOL LIGHT yes VOLTS 120 WATTS 400

DIVING BOARD no SIZE no

AUTOMATIC CHLORINATOR SALT TIMER yes FILL LINE no

CLEANING EQUIPMENT metal SWIMOUT yes SIZE plan JETS no

ROPE & FLOATS no ROPE ANCHORS no

AUTOMATIC CLEANING SYSTEM no POOL HEATER no

GAS LINE BY: no SLIDE no SIZE no

SPA SPECIFICATIONS NO SPA

SIZE no DEPTH no JETS no

BLOWER no SKIMMER no LIGHT no

SPILLWAY no HEATER no MAIN DRAIN no

SCREEN ENCLOSURE Owner ROOF Owner DOORS Owner

ALUM. ROOF Owner GUTTER Owner

REMOVE FENCE Owner REPLACE FENCE no TEMP. FENCE Owner

TREE REMOVAL Owner STUMP REMOVAL Owner

SHRUBS Owner SAVE Owner HAULAWAY Owner

SEPTIC TANK Owner SEWER LINE Owner

POWERLINE Owner RELOCATE Owner

GAS LINE Owner WATERLINE Owner

SPRINKLERS Owner REROUTE Owner CAP Owner

PHONE LINE Owner ACCESS PERMISSION Owner

RETAINING WALL Owner

NAME Robert Kaitos

ADDRESS 1343 SW Mandiba Drive

CITY Lake City PHONE 516-888-5845

Part 2 of contract dated

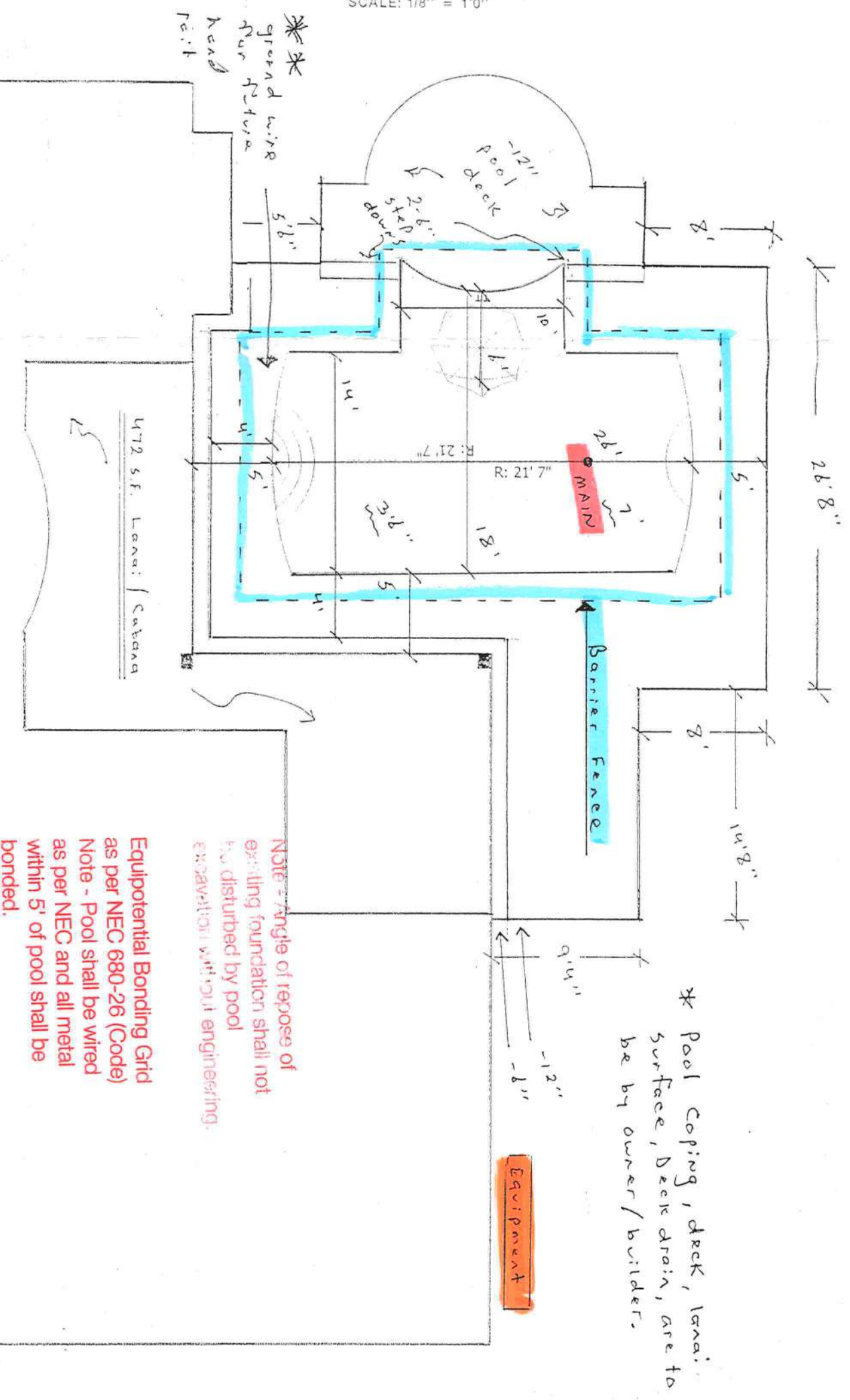
LOT BLOCK

SUB

For pool at

3/17/16

PLOT PLAN
SCALE: 1/8" = 1'0"



- ① 14' x 26' pool - \$21,500 / 14,000 gallons
- ② no gas / no heat
- ③ barrier fence

Equipotential Bonding Grid as per NEC 680-26 (Code)
Note - Pool shall be wired as per NEC and all metal within 5' of pool shall be bonded.

Note - Angle of repose of existing foundation shall not be disturbed by pool excavation without engineering.

* Pool Coping, deck, main line, are to be by owner/builder.

The Oaks - 1343 SW Mandiba Drive

Robert Kaitos - Lake City

3/17/16

ANSI/APSP-7 2006 Specifies three methods for determining the maximum system flow rate. The following simplified TDH calculation is one of the methods specified.

Simplified Total Dynamic Head (TDH) Calculation Worksheet

Determine Maximum System Flow Rate:

Minimum Flow Rate Required: 35 gpm Per Skimmer (Required: 1 skimmer per 800 sf of surf. area)

1. Calculate Pool Volume: $404 \times 5.25 \times 7.48$ (gal./cubic foot) = $15,865$

2. Determine preferred Turnover time in hours: 8×60 (min. / hr.) = 480

3. Determine Max Flow Rate: $15,865 / 480 = 33$ + 15 = 48

4. Spa Jets: $N/A \times$ (jet flow) gpm per jet = (total jet flow rate) flow rate.

Determine Pipe Sizes:

Branch Piping to be inch to keep velocity @ 6 fps max. at gpm Maximum System Flow Rate.

Trunk Piping to be 2" inch to keep velocity @ 8 fps max. at 82 gpm Maximum System Flow Rate.

Return Piping to be 2" inch to keep velocity @ 10 fps max. at 103 gpm Maximum System Flow Rate.

Determine Simplified TDH:

1. Distance from pool to pump in feet: 10'

2. Friction loss (in suction pipe) in 2" inch pipe per 1 ft. @ 82 gpm = 10' (from pipe flow/friction loss chart)

3. Friction loss (in return pipe) in 2" inch pipe per 1 ft. @ 103 gpm = 16' (from pipe flow/friction loss chart)

4. $10 \times 10 = 100$

5. $10 \times 16 = 160$

TDH in Piping: 260

Filter loss in TDH (from filter data sheet): 7

Header loss in TDH (from header data sheet): N/A

Total all other loss: 20.48

Total Dynamic Head (TDH): 30.08

Selected Pump and Main Drain Cover:

Pump selection VS-SVB5/011017

(Pump model and size in Horsepower)

using pump curve for TDH & System Flow Rate

Main Drain Cover

AQUA SPAC 32LDRXXX

(Make and Model)

(System Flow Rate must not exceed approved cover flow rates)

Notes: Minimum system flow based on min. flow per skimmer of 35 gpm.

Determine the Number and Type of Required In-Floor Suction Outlets:

Check all that apply.

☐ 3'-0" suction outlets @ gpm max. flow (see note 2).

☐ suction outlets @ gpm max. flow (see note 3).

☐ 32" channel drain @ 170 gpm w/ 2 1/2" ports (see note 4).

TDH Calculation Options

For each pump

Check one.

☐ Simplified Total Dynamic Head (STDH)
Complete STDH Worksheet - Fill in all blanks.

☐ Total Dynamic Head (TDH)

☐ Complete Program or other calc. Fill in required blanks on worksheet & attach calculations.

☐ Maximum Flow Capacity

☐ of the new or replacement pump.

Notes

1. If a variable speed pump is used, use the max. pump flow in calculations.

2. For side wall drains, use appropriate side wall drain flow as published by manufacturer.

3. Insert manufacturer's name and approved maximum flow

4. See installation instructions for number of ports to be used.

5. In-Floor suction outlet cover/grate must conform to most recent edition of ASME/ANSI A112.19.8 and be embossed with that edition approval.

6. Pump, Filter & Heater make and model cannot be changed, and equipment location cannot be moved closer to pool without submitting a revised plan and TDH calculation worksheet for approval.

Flow and Friction Loss Per Foot

Schedule 40 PVC Pipe

Pipe Size	6 fps	8 fps	10 fps
1"	16 gpm	21 gpm	26 gpm
1.5"	37 gpm	50 gpm	62 gpm
2"	62 gpm	82 gpm	103 gpm
2.5"	88 gpm	117 gpm	146 gpm
3"	136 gpm	181 gpm	227 gpm
4"	234 gpm	313 gpm	392 gpm
6"	534 gpm	712 gpm	892 gpm

This form is the property of funstatepoolsinc. and may only be used in conjunction with my Residential Swimming Pool Specification Drawings or by others with my written permission.

2/22/10

Date

Marvin Tillis Gibson

CP#0044114

352-332-7665

Total Head In Feet Conversion Chart

Inches Mercury (Vacuum Gauge)

0	2	4	6	8	10	12	14	16	18
0.0	2.3	4.5	6.8	9.0	11.3	13.6	15.8	18.1	20.3
1	2.3	4.6	6.8	9.1	11.4	13.6	15.9	18.1	20.4
2	4.6	6.9	9.1	11.4	13.7	15.9	18.2	20.4	22.7
3	6.9	9.2	11.5	13.7	16.0	18.2	20.5	22.8	25.0
4	9.2	11.5	13.8	16.0	18.3	20.5	22.8	25.1	27.3
5	11.5	13.8	16.1	18.3	20.6	22.8	25.1	27.4	29.6
6	13.8	16.1	18.4	20.6	22.9	25.2	27.4	29.7	31.9
7	16.2	18.4	20.7	23.0	25.2	27.5	29.7	32.0	34.3
8	18.5	20.7	23.0	25.3	27.5	29.8	32.1	34.3	36.6
9	20.8	23.1	25.3	27.6	29.8	32.1	34.3	36.6	38.9
10	23.1	25.4	27.6	29.9	32.1	34.4	36.7	38.9	41.2
11	25.4	27.7	29.9	32.2	34.5	36.7	39.0	41.2	43.5
12	27.7	30.0	32.2	34.5	36.8	39.0	41.3	43.5	45.8
13	30.0	32.3	34.6	36.8	39.1	41.3	43.6	45.9	48.1
14	32.3	34.6	36.9	39.1	41.4	43.6	45.9	48.2	50.4
15	34.6	36.9	39.2	41.4	43.7	45.9	48.2	50.5	52.7
16	37.0	39.2	41.5	43.7	46.0	48.3	50.5	52.8	55.0
17	39.3	41.5	43.8	46.1	48.3	50.6	52.8	55.1	57.3
18	41.6	43.8	46.1	48.4	50.6	52.8	55.1	57.4	59.6
19	43.9	46.2	48.4	50.7	52.9	55.2	57.4	59.7	62.0
20	46.2	48.5	50.7	53.0	55.2	57.5	59.8	62.0	64.3
21	48.5	50.8	53.0	55.3	57.6	59.8	62.1	64.3	66.6
22	50.8	53.1	55.3	57.6	59.9	62.1	64.4	66.6	68.9
23	53.1	55.4	57.7	59.9	62.2	64.4	66.7	69.0	71.2
24	55.4	57.7	60.0	62.2	64.5	66.7	69.0	71.3	73.5
25	57.8	60.0	62.3	64.5	66.8	69.1	71.3	73.6	75.8
26	60.1	62.3	64.6	66.8	69.1	71.4	73.6	75.9	78.1
27	62.4	64.6	66.9	69.2	71.4	73.7	75.9	78.2	80.4
28	64.7	66.9	69.2	71.5	73.7	76.0	78.2	80.5	82.7
29	67.0	69.3	71.5	73.8	76.0	78.3	80.5	82.8	85.1
30	69.3	71.6	73.8	76.1	78.3	80.6	82.9	85.1	87.4
31	71.6	73.9	76.1	78.4	80.7	82.9	85.2	87.4	89.7
32	73.9	76.2	78.4	80.7	83.0	85.2	87.5	89.7	92.0
33	76.2	78.5	80.7	83.0	85.3	87.5	89.8	92.0	94.3
34	78.5	80.8	83.1	85.3	87.6	89.8	92.1	94.4	96.6
35	80.9	83.1	85.4	87.6	89.9	92.2	94.4	96.7	98.9

NOTE: FIELD TDH MUST BE EQUAL TO OR HIGHER THAN THE CALCULATED TDH.



Tillis Gibson

www.funstatepoolsinc.com
3601 N.W. 97th Blvd. • Gainesville, Florida 32606

Swimming Pool Specification For:
Rutenberg Homes- Lake City

Robert Keltos

1343 SW Mandiba Drive
Lake City FL 32024

Sooner Name

GENERAL NOTES

Design Criteria

- Structure to meet wind load requirements of FBC 2007 SEC. 1609 for a design wind speed of 110 mph.
- Wood framing and fasteners to meet NDS 2005 requirements.
- Fastener requirements: (1) All nails are Common galvanized; (2) all bolts are to be galvanized steel and include nuts and washers; and (3) all other hardware (Simpson, etc.) is to be installed according to manufacturer's specifications and recommendations. Nailing (size and number) shall satisfy Tables 2306.3.1, 2306.3.2 and 2306.4.1 FBC unless otherwise indicated. Note: fasteners exposed to the weather are to be treated for weather resistance and compatible with the type of pressure treated wood used (connectors, nails, bolts, nuts and washers).
- Fasteners shall be driven flush with surface of sheathing.

Concrete Construction Notes

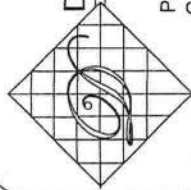
- Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition.
- Concrete Mix "A" shall be used for foundation walls, footings and interior slabs on grade. Concrete mix "B" shall be used for exterior slabs, curbs and all other exterior concrete. All concrete mixes shall contain a water-reducing admixture conforming to ASTM C-494. Air-entraining admixture shall conform to ASTM C-260.

	Mix A	Mix B
Ultimate Compressive Strength @ 28 days	3000 psi	3000 psi
Slump Range	4" to 5 1/2"	3 3/4" to 4 1/2"
Maximum Aggregate Size	1"	1"
Extraneous Air	None	5-7%
Dry Weight per Cubic Foot	150#	150#

- All concrete shall be cured for a minimum of 28 days. If forms for vertical surfaces are removed prior to the end of the curing period, spray surfaces with liquid membrane curing compound.
- Reinforcing steel shall conform to ASTM A615, Grade 40 (Fy=40 ksi). Lap continuous bars for tension lap splice per ACI-318, unless otherwise noted. Provide corner bars of same size and spacing as horizontal wall reinforcement. Cover for concrete reinforcing steel shall be in accordance with ACI-318, Paragraph 7.7.
- Welded wire fabric (WWF) shall conform to ASTM A185. Lap sheets two mesh spaces and wire the adjacent sheets together securely. On a horizontal reinforcement at control joints.
- All slabs on grade shall have construction or control joints not to exceed 15' - 0" spacing, unless otherwise noted.
- Electrical conduit and other pipes to be embedded in structural concrete floor slabs or walls shall be placed in accordance with the requirements of ACI-318, Paragraph 6.3.

Masonry Construction Notes

- Concrete masonry work shall conform to "Building Code Requirements for Masonry Structures" (ACI 530-02/ASCE 5-02) and "Specifications for Masonry Structures" (ACI 530.1-02/ASCE 5-02).
- Concrete masonry units shall be Type 1 and comply with "Standard Specifications for Hollow Load-Bearing Concrete Masonry Units" (ASTM C90-90).
- The minimum net area compressive strength of masonry (f'm), as determined by the unit strength method, shall be 1500 psi.
- Mortar shall conform to ASTM C270. Type M Mortar shall be used unless otherwise noted. Type S Mortar shall be used with masonry in contact with earth.
- Masonry column reinforcement shall have #2 ties in the bed joints at 8" oc, unless otherwise noted.
- Grout for filling block cores and bond beams shall have a minimum compressive strength (f'c) of 3000 psi at the age of 28 days.



DRISCOLL ENGINEERING, INC.

CONSULTING ENGINEERS

PO BOX 357577 CA 8690
GAINESVILLE, FL 32606 PH (352) 331-1513



PREPARED FOR

Ruttenberg Homes - Lake City
1343 Mandibala Drive
Lake City FL 32024

CONTRACTOR:

FUNSTATE POOLS
3601 N.W. 97th BLVD
GAINESVILLE, FL
352-332-7665

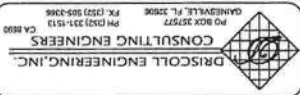
ALL POOL CONSTRUCTION TO COMPLY WITH
ANSI/APSP-7 & FBC 2007 & 2009 AMENDMENTS.
AND V.G.B.2008 COMPLIANCE

INDEX

- SHEET:1 PROFESSIONAL SERVICES,
GENERAL INFORMATION
SHEET:2 GENERAL NOTES & CHARTS
SHEET:3 DETAIL DRAWINGS
SHEET:4 DETAIL DRAWINGS
SHEET:5 DETAIL DRAWINGS

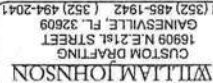
THESE DETAILS HAVE BEEN PREPARED IN COMPLIANCE
WITH REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE
AND THE 2009 AMENDMENTS TO THE BEST OF MY KNOWLEDGE

REVISED 9-1-09
MICHAEL DRISCOLL P.E.
FL REG. #43922



DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS
PO BOX 357577
GAINESVILLE, FL 32606
PH (352) 331-1513
CA 8690

RESIDENTIAL SWIMMING POOL & SPA DESIGN
FOR FUN STATE POOLS USE ONLY



WILLIAM JOHNSON
CONSULTING DRAFTING
16909 N.E. 21st STREET
GAINESVILLE, FL 32609
PH (352) 485-1942 (352) 494-2041

SHEET:
CS

GENERAL NOTES FOR RESIDENTIAL SWIMMING POOLS

1. Design, construction and workmanship shall be in conformity with the requirements of the 2007 Florida Building Code with 2009 supplement, Chapter 41, ANSI/NSPI 3; ANSI/NSPI 4; ANSI/NSPI 5; and ANSI/NSPI 6; ANSI/Apsp-7.
2. Every swimming pool shall be equipped complete with approved mechanical equipment consisting of filter, pump, piping valves and component parts.
3. Pool piping shall be designed so the water velocity will not exceed 10 feet per second (3048 mm/s) for pressure piping and 8 feet per second (2438 mm/s) for suction piping, except that the water velocity shall not exceed 8 feet per second (2438 mm/s) in copper tubing.
4. All pool and spa suction inlets shall be provided with a cover that has been tested and accepted by a recognized testing facility and comply with ANSI/ASME A112.19.8M, Suction Fittings for Use In Swimming Pools, Spas, Hot Tubs, and Whirlpool Bathtub Appliances.

☐ Exceptions:
☐ 1. Surface Skimmers.
☐ 2. Grate or grates having a minimum area of 144 square inches (.09 mm2) or greater.
5. A minimum of one channel drain or two suction outlets shall be provided for each pump in the suction outlet system, separated by a minimum of 3 feet (914 mm) or located on two different planes; i.e., one on the bottom and one on the vertical wall, or one each on two separate vertical walls. These suction outlets shall be plumbed such that water is drawn through them simultaneously through a common line to the pump. When a skimmer is used in conjunction with a single main outlet to meet the requirements of this section, the common suction line must be in compliance with Section R4101.6.6.3 such that a vacuum cannot be drawn on any single main outlet or skimmer.
6. Pumps shall be installed in accordance with manufacturer's recommendations.
7. Pump impellers, shafts, wear rings and other working parts shall be of corrosion-resistant materials.
8. All pool piping shall be tested and proved tight to the satisfaction of the administrative authority, under a static water or air pressure test of not less than 35 pounds per square inch (psi) (241 kPa) for 15 minutes.

☐ Exception: Circulating pumps need not be tested as required in this section.
9. All pools whether public or private shall be provided with a ladder or steps in the shallow end where water depth exceeds 24 inches (610 mm). In private pools where water depth exceeds 5 feet (1524 mm), there shall be ladders, stairs or underwater benches/swim-outs in the deep end.

Where manufactured diving equipment is to be used, benches or swim-outs shall be recessed or located in a corner.

☐ Exception: In private pools having more than one shallow end, only one set of steps is required. A bench, swim-out or ladder may be used at all additional shallow ends in lieu of an additional set of steps.
10. The entire design of matched components shall have sufficient capacity to provide a complete turnover of pool water in 12 hours or less.
11. Approved surface skimmers are required and shall be installed in strict accordance with the manufacturer's installation instructions. Skimmers shall be installed on the basis of one per 800 square feet (74 m2) of surface area or fraction thereof, and shall be designed for a flow rate of at least 25 gallons per minute (gpm) (1.6 L/s) per skimmer.
12. Approved manufactured inlet fittings for the return of re-circulated pool water shall be provided on the basis of at least one per 300 square feet (28 m2) of surface area. Such inlet fittings shall be designed and constructed to insure an adequate seal to the pool structure and shall incorporate a convenient means of sealing for pressure testing of the pool circulation piping. Where more than one inlet is required, the shortest distance between any two required inlets shall be a least 10 feet (3048 mm).
13. Filters shall be equipped with a pressure gauge and an air release system.
14. Piping shall be schedule 40 PVC, NSFpw minimum.
15. Contractor shall install piping so as to not exceed the limits imposed by the tables shown.
16. All electrical design is by others.
17. Minimum soil bearing capacity shall be a min. 2000 psf.
18. Contractor shall submit completed total or simplified total dynamic head calculation worksheet with each permit application to the building dept.

Notes:

1. If a variable speed pump is used, use the max. pump flow in calculations.
2. For tile wall drains, use appropriate side wall drain flows as published by manufacturer.
3. Insert manufacturer's name and approved minimum flow.
4. See installation instructions for number of ports to be used.
5. In-Flor suction outlet covers must conform to most recent edition of ASME/ANSI A112.19.8 and be embossed with that edition approval. & V.G.B. 2008 compliance
6. Pump & Filter make, model and location can not change without submitting a revised plan and TDH worksheet.

TDH Calculation Options
For each pump

- ☒ Check one.
Simplified Total Dynamic Head (STDH)
Complete STDH Worksheet-Fill in all blanks.
- ☐ Total Dynamic Head (TDH)
Complete Program or other calc. Fill in required blanks on worksheet & attach calculations.

Flow and Friction Loss Per Foot Schedule 40 PVC Pipe									
Pipe Size	6 fps			8 fps			10 fps		
	1"	1.5"	2"	2.5"	3"	4"	5"	6"	8"
1"	16 gpm	0.25'	21 gpm	0.66'	28 gpm	0.94'			
1.5"	37 gpm	0.16'	50 gpm	0.28'	62 gpm	0.48'			
2"	62 gpm	0.15'	82 gpm	0.25'	103 gpm	0.40'			
2.5"	68 gpm	0.09'	117 gpm	0.15'	146 gpm	0.23'			
3"	138 gpm	0.09'	181 gpm	0.14'	227 gpm	0.23'			
4"	234 gpm	0.06'	313 gpm	0.10'	392 gpm	0.15'			
6"	534 gpm	0.04'	712 gpm	0.04'	890 gpm	0.10'			

Total Head in Feet Conversion Chart

Inches Mercury (Vacuum Gauge)																
0	2	4	6	8	10	12	14	16	18							
0	0.0	2.3	4.5	6.8	9.0	11.3	13.6	15.8	18.1	20.3						
1	2.3	4.6	6.8	9.1	11.4	13.6	15.9	18.1	20.4	22.7						
2	4.6	6.9	9.1	11.4	13.7	15.9	18.2	20.4	22.7	25.0						
3	6.9	9.2	11.5	13.7	16.0	18.2	20.5	22.8	25.0	27.3						
4	9.2	11.5	13.8	16.0	18.3	20.5	22.8	25.1	27.3	29.6						
5	11.5	13.8	16.1	18.3	20.6	22.8	25.1	27.4	29.5	31.9						
6	13.9	16.1	18.4	20.6	22.9	25.2	27.4	29.7	31.9	34.2						
7	16.2	18.4	20.7	23.0	25.2	27.5	29.7	32.0	34.3	36.5						
8	18.5	20.7	23.0	25.3	27.5	29.8	32.0	34.3	36.6	38.8						
9	20.8	23.1	25.3	27.6	29.8	32.1	34.3	36.6	38.9	41.1						
10	23.1	25.4	27.6	29.9	32.1	34.4	36.7	38.9	41.2	43.4						
11	25.4	27.7	29.9	32.2	34.5	36.7	39.0	41.2	43.5	45.8						
12	27.7	30.0	32.2	34.5	36.8	39.0	41.3	43.5	45.8	48.1						
13	30.0	32.3	34.6	36.8	39.1	41.3	43.6	45.9	48.1	50.4						
14	32.3	34.6	36.9	39.1	41.4	43.6	45.9	48.2	50.4	52.7						
15	34.6	36.9	39.2	41.4	43.7	45.9	48.2	50.5	52.7	55.0						
16	37.0	39.2	41.5	43.7	46.0	48.3	50.5	52.8	55.0	57.3						
17	39.3	41.5	43.8	46.1	48.3	50.6	52.8	55.1	57.4	59.6						
18	41.6	43.8	46.1	48.4	50.6	52.9	55.1	57.4	59.7	61.9						
19	43.9	46.2	48.4	50.7	52.9	55.2	57.4	59.7	62.0	64.2						
20	46.2	48.5	50.7	53.0	55.2	57.5	59.8	62.0	64.3	66.5						
21	48.5	50.8	53.0	55.3	57.6	59.8	62.1	64.3	66.6	68.9						
22	50.8	53.1	55.3	57.6	59.9	62.1	64.4	66.6	68.9	71.2						
23	53.1	55.4	57.7	59.9	62.2	64.4	66.7	69.0	71.2	73.5						
24	55.4	57.7	60.0	62.2	64.5	66.7	69.0	71.3	73.5	75.8						
25	57.8	60.0	62.3	64.5	66.8	69.1	71.3	73.6	75.8	78.1						
26	60.1	62.3	64.6	66.8	69.1	71.4	73.6	75.9	78.1	80.4						
27	62.4	64.6	66.9	69.2	71.4	73.7	75.9	78.2	80.5	82.7						
28	64.7	66.9	69.2	71.5	73.7	76.0	78.2	80.5	82.8	85.0						
29	67.0	69.3	71.5	73.8	76.0	78.3	80.5	82.8	85.1	87.3						
30	69.3	71.6	73.8	76.1	78.3	80.6	82.9	85.1	87.4	89.6						
31	71.6	73.9	76.1	78.4	80.7	82.9	85.2	87.4	89.7	92.0						
32	73.9	76.2	78.4	80.7	83.0	85.2	87.5	89.7	92.0	94.3						
33	76.2	78.5	80.7	83.0	85.3	87.5	89.8	92.0	94.3	96.6						
34	78.5	80.8	83.1	85.3	87.5	89.8	92.1	94.4	96.6	98.9						
35	80.9	83.1	85.4	87.6	89.9	92.2	94.4	96.7	98.9	101.2						

CERTIFICATION

I certify that to the best of my knowledge, these master plan, residential pool design requirements are in compliance with the 2007 Florida Building Code Residential with 2009 supplement, Chapter 41.

REVISED 9-1-09
MICHAEL E. DRISCOLL P.E.
FL REG. #43922

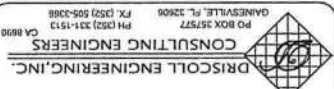
SHEET:

2

WILLIAM JOHNSON
CUSTOM DRAFTING
16909 N.E. 21st STREET
GAINESVILLE, FL 32609
PH (352) 485-1942 (352) 494-2041



RESIDENTIAL SWIMMING POOL & SPA DESIGN
FOR FUN STATE POOLS USE ONLY



PROFESSIONAL SERVICES
DRISCOLL ENGINEERING, INC.

PO BOX 357577
Gainesville, Florida 32606
(352) 331-1513 CA. 8690

PLANS AND SPECIFICATIONS

The plans and specifications presented herein are only for the anticipated construction at the locations shown. If construction plans change, the Design Professional should be notified so the plans and specifications can be re-evaluated. The Design Professional should be given the opportunity to review final plans and specifications to see if the intent of the plans and specifications has been followed and/or if supplement details and recommendations are needed. The Design Professional warrants that the plans and specifications contained herein, have been prepared in accordance with generally accepted professional engineering practice. No other warranties are implied or expressed

CORPORATE PROTECTION

It is understood and agreed that the Design Professional's Basic Services under this agreement do not include project observation or review of the Contractors performance or any other construction phase services will be provided by the client. The client assumes all responsibility for interpretation of the contractors documents and for construction observation and supervision and waives any claims against the Design Professional that may in any way connected thereto.

In addition, The client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any loss, claim or cost including reasonable attorney's fees and cost of defense, arising or resulting from the performance of such services by otherperson or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to contract documents to reflect changed field or other conditions, except for claims arising from the sole negligence or willful misconduct thereof.

OWNERSHIP OF INSTRUMENTS OF SERVICE

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Design Professional as instruments of service shall remain property of the Design Professional. The Design Professional shall retain all common law, statutory and other reserved rights, including the copyright thereto.

DEFECTS IN SERVICE

The client shall promptly report to the Design Professional any defects or suspected defects in the Design Professionals work or services of which the client becomes aware, so that the Design Professional may take measures to minimize the consequences of such defect. The client warrants that he or she will impose similar notification requirement on all contractors in his or her client/contractor contract and shall require all subcontractors at any level to contain a like requirement. Failure by the client's contractors or subcontractors to notify the Design Professional, shall relieve the Design Professional of the cost of remedying the defects above the sum such remedy would have cost had prompt notification been given.

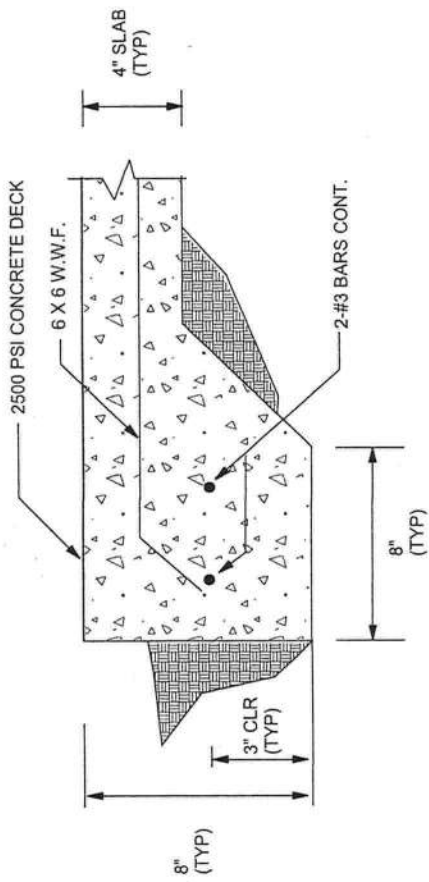
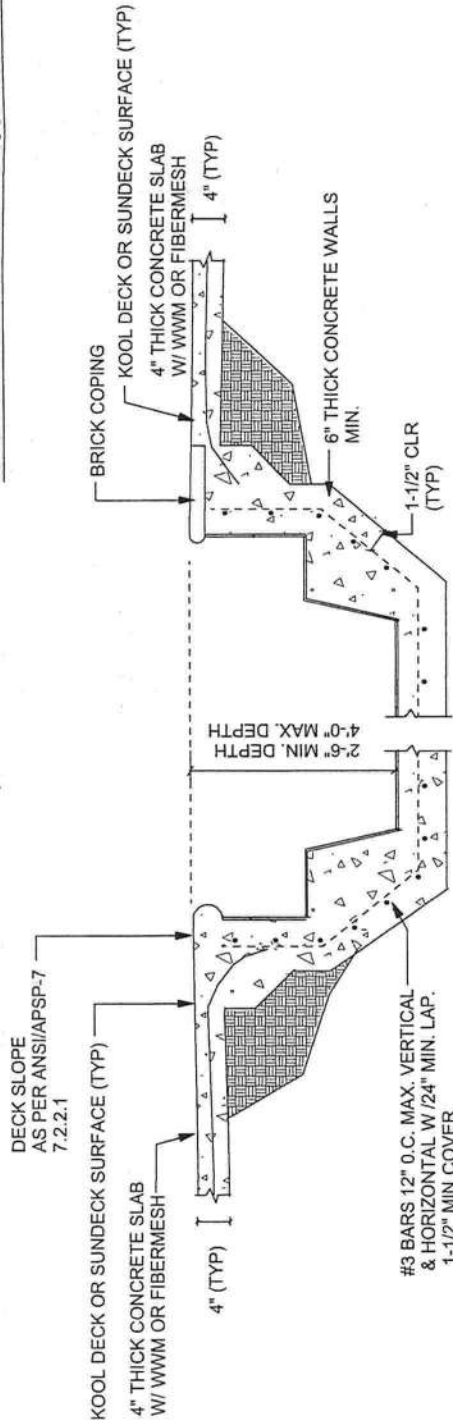
VERIFICATION OF EXISTING CONDITIONS

Inasmuch as the remodeling and/or rehabilitation of an existing building requires certain assumptions be made regarding existing conditions, and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate serviceable portions of the building, The client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless in any claim, liability or cost (including attorney's fees and cost of defense) for injury or economic loss arising out of professional services provided under this agreement, except only those damages, liability, or cost attributable to the sole negligence or willful misconduct of the Design Professional.

ALL POOL CONSTRUCTION TO COMPLY WITH
ANSI/ APSP-7 & FBC 2007 AND 2009 AMENDMENTS.
& COMPLY WITH V.G.B. 2008 REQUIREMENTS

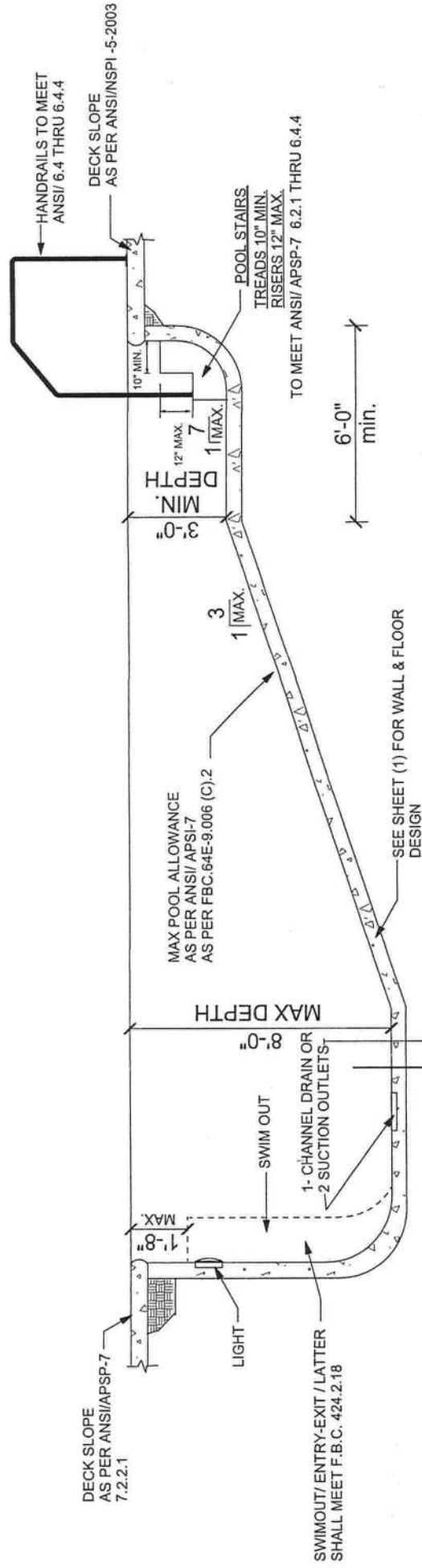
NOTES:

POOL / SPA SUCTION OUTLETS
2- SUCTION OUTLETS REQUIRED, NO CLOSER THAN
3'-0" O.C. PLUMBED ON COMMON LINE AS PER F.B.C. #424.2.6.4
& COMPLY WITH V.G.B. 2008 REQUIREMENTS
ANSI/APSP-7 COVERS TO MEET ANSI/ASME A112.19.8M
OR INSTALL 1 CHANNEL DRAIN MODEL #32CDFLXXX



SPA DEPTH LAYOUT
NTS

THICKENED EDGE
8" X 8" W/ 2 #3 BAR CONT.
NTS



TYPICAL POOL DEPTH LAYOUT
NTS

FOOTINGS FOR SCREEN OR OTHER ACCESSORY STRUCTURES BY OTHERS

POOL WALL & FLOOR CONCRETE TO BE 3000 PSI. MIN.

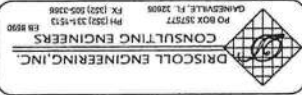
POOL DECK CONCRETE TO BE 2500 PSI. MIN

ALL PIPING SHALL BE SCH 40 PVC PIPE

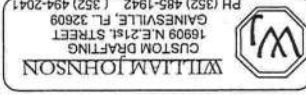
ALL SUCTION DEVICES, SUCTION OUTLETS, ETC. SHALL BE 2" DIA. SCH 40 PVC PIPE.

MAX SUCTION PIPE VELOCITY SIX FEET PER SECOND.

REVISED 9-1-09
MICHAEL E. DRISCOLL P.E.
FL REG. #43922



RESIDENTIAL SWIMMING POOL & SPA DESIGN
FOR FUN STATE POOLS USE ONLY



Articles 2 Inc ☒ *VF*
Columbia County Building Permit Application

For Office Use Only Application # 1002-35 Date Received 7/22 By TIN Permit # 28400
 Zoning Official BLK Date 03.03.10 Flood Zone N/A Land Use A-3 Zoning PRRD
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner NO Date 3-2-10
 Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL SUSPENDED ACCESS - USE

Septic Permit No. X-10-042 IN Box Fax 352-332-0266
 Name Authorized Person Signing Permit Barry Blanton Phone 352-332-7665
 Address 3501 NW 97th Blvd. Gainesville FL 32606
 Owners Name Bryan Zecher Homes, Inc. Phone 386-752-6099
 911 Address 1343 SW Mandiba Drive Lake City FL 32024
 Contractors Name Fun State Pools, Inc. Phone 352-332-7665
 Address 3601 NW 97th Blvd. Gainesville FL 32606

Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address N/A
 Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 18-55-17-09280-154 Estimated Cost of Construction \$21,500

Subdivision Name The Oaks Lot 54 Block _____ Unit _____ Phase 1

Driving Directions US 41 South to CR 240 West to Tustennugue to the "Oaks" subdivision. - Back 2nd way stop - 1st home on Lot H.
 Number of Existing Dwellings on Property 1

Construction of in ground concrete pool Total Acreage _____ Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front 100' Side 79.3' Side 71.5' Rear 275'

Number of Stories _____ Heated Floor Area _____ Total Floor Area _____ Roof Pitch _____

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

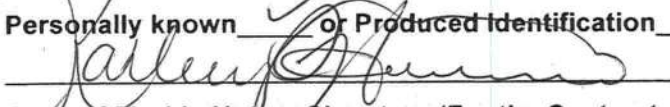
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.


Contractor's Signature (Permitee)

Contractor's License Number CPC044114
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 22 day of February 2010.

Personally known _____ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS					
Home	Contact Us	E-Filing Services	Document Searches	Forms	Help
Previous on List	Next on List	Return To List	Entity Name Search		
No Events	No Name History	Submit			
Detail by Entity Name					
Florida Profit Corporation					
BRYAN ZECHER HOMES, INC.					
Filing Information					
Document Number	P08000066906				
FEI/EIN Number	262985317				
Date Filed	07/15/2008				
State	FL				
Status	ACTIVE				
Effective Date	07/15/2008				
Principal Address					
465 NW ORANGE STREET LAKE CITY FL 32055					
Mailing Address					
P O BOX 815 LAKE CITY FL 32056					
Registered Agent Name & Address					
ZECHER, BRYAN 465 NW ORANGE STREET LAKE CITY FL 32055 US					
Officer/Director Detail					
Name & Address					
Title P					
ZECHER, BRYAN P O BOX 815 LAKE CITY FL 32056					
Annual Reports					
Report Year Filed Date					
2009 03/13/2009					
Document Images					
03/13/2009 -- ANNUAL REPORT		View image in PDF format			
07/15/2008 -- Domestic Profit		View image in PDF format			
Note: This is not official record. See documents if question or conflict.					

NOTICE OF COMMENCEMENT

This Instrument Prepared By:

Name: Fun State Pools, Inc. Barry Blanton

Address: 3601 NW 97 Blvd Gville FL 32606

Permit No:

Tax Folio No: 18-55-17-09280-154

STATE OF: Florida

COUNTY OF: Columbia

Inst: 201012002611 Date: 2/22/2010 Time: 11:59 AM

BC, P DeWitt Cason, Columbia County Page 1 of 1 B: 1189 P-1217

THE UNDERSIGNED HEREBY gives notice that improvement(s) will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. DESCRIPTION OF PROPERTY: Street Address: 1343 SW Mondiba Drive Lake City, FL 32024

Legal Description: lot 54 OAKS OF LAKE CITY Phase I

2. GENERAL DESCRIPTION OF IMPROVEMENT(S): in-ground concrete pool

3. OWNER INFORMATION: a.) Name: Bryan Zecher Hones Address: PO Box 815 Lake City, FL 32056

b.) Interest in Property: Fee Simple

c.) Fee Simple Titleholder (if other than owner) Name: _____ Address: _____

4. CONTRACTOR: a.) Name: Fun State Pools, Inc Address: 3601 NW 97 Blvd Gville 32606 b.) Phone: 352-332-7665

5. SURETY: a.) Name: N/A Address: N/A

b.) Amount of bond \$: N/A c.) Phone: N/A

6. LENDER: a.) Name: N/A Address: N/A b.) Phone: N/A

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7., Florida Statutes:

a.) Name: N/A Address: N/A b.) Phone: N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

a.) Name: N/A Address: N/A b.) Phone: N/A

9. Expiration date of notice of commencement (the expiration date is one (1) year from the date of recording unless a different date is specified.) N/A

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature of Owner or Owner's Authorized Officer/Director
Partner/Manager

Signatory's Title/ Office

The foregoing instrument was acknowledged before me this 18 day of February, 2010 (year)

by Bryan Zecher (name of person) as _____ (type of authority, e.g. officer, trustee, attorney in fact) for _____ (name of party on behalf of whom instrument was executed).



Signature of Notary Public - State of Florida
Print Type, or Stamp Commissioned Name of Notary Public
Commission Number: DD 768706
Personally Known _____ or Produced Identification _____

Verification Pursuant to Section 92.525, Florida Statutes

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing Above

TRM
09-187

Abc. 10.00
Or. 1,014.30

Inst:200912013556 Date:8/13/2009 Time:3:53 PM
Doc Stamp-Deed:1014.30
DC,P,DeWitt Cason,Columbia County Page 1 of 1 B:1179 P:26

WARRANTY DEED

This Warranty Deed made and executed the 5th day of May A.D. 2009, by **OAKS OF LAKE CITY, LLC**, hereinafter called the grantor, to **BRYAN ZECHER HOMES, INC.**, Whose post office address is P.O. BOX 815, LAKE CITY, FL 32056, hereinafter called the grantee:

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for the consideration of the sum of \$ 10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz

LOT 54, OAKS OF LAKE CITY PHASE 1, A SUBDIVISION AS RECORDED IN PLAT BOOK 9, PAGES 46-52, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, SUBJECT TO RESTRICTIONS RECORDED IN O. R. BOOK 144, PAGES 2574-2644, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, AND SUBJECT TO POWER LINE EASEMENT.

Together with all the tenements, hereditaments and appurtenances thereto belong or in any-wise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple: that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nanci Brinkley
Witness: Nanci Brinkley

OAKS OF LAKE CITY, LLC

Bradley N. Dicks L.S.
Bradley N. Dicks, Managing Member

Jon Jackson
Witness: Jon Jackson

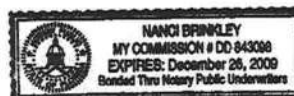
State of Florida
County of Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared Bradley N. Dicks, who is personally known to me to be the person described in and who executed the foregoing instrument, who was not required to furnish identification, and he acknowledged before me that he executed the same and who did not take an oath.

WITNESS my hand and official seal in the County and State last aforesaid this 5th day of May, A.D. 2009

Nanci Brinkley
Nanci Brinkley
Notary Public, State of Florida

This instrument prepared by: Bradley N. Dicks
Address: P.O. Box 513 Lake City, FL 32056



\$144,900.00



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

Application Number _____

NOTICE TO SWIMMING POOL OWNERS

I Robert Keitos have been informed and I understand that prior to the final inspection approval and use of my pool, I will need all the inspections approved and the required fencing installed in accordance with applicable regulations. The Florida Building Code Chapter 4 Section 24 requires private residential swimming pools, hot tubs, or non-portable spas containing water over 24 inches deep to meet the following pool barrier safety feature requirements:

- The pool access must be isolated by a barrier at least 4 feet high and installed around the perimeter of the pool. Unless the pool is equipped with a safety cover complying with the specifications of American Society for Testing and Materials standard F-1346-91.
- The barrier shall not have any gaps or openings which would allow a child to crawl under, squeeze through or climb over and must be placed no less than 20 inches from the water's edge.
- Gates located in the pool barrier must open outward away from the pool and be both self-closing and self-latching, with a release mechanism not less than 54" above the standing surface at the gate.
- The barrier must be separate from any other fence, wall, or other enclosure surrounding the yard unless the fence, wall or other enclosure or portion thereof is situated on the perimeter of the pool and meets the pool barrier requirements.
- Where a wall of a dwelling serves as part of the barrier **one** of the following shall apply:
 - 1) All doors and first floor windows with a sill height of less than 48 inches providing direct access from the home to the pool must be equipped with an alarm that has a minimum sound pressure rating of 85 decibels at 10 feet. The alarm shall sound immediately upon opening the window or door unless the temporary bypass mechanism is activated.
 - 2) **Or;** all doors providing direct access from the home to the pool must be equipped with a self-closing, self-latching device with a release mechanism located at least 54 inches above the floor.

According to Florida statutes, failure to comply with these requirements is a misdemeanor of the second degree, punishable by imprisonment for up to 60 days or a fine of up to \$500, except that no penalty shall be imposed if within 45 days after arrest or issuance of a summons or notice to appear, the pool is equipped with the aforementioned safety features and the responsible person attends a drowning prevention education program developed by the Florida Department of Health. I also understand that there are several inspections required in addition to a final inspection for my swimming pool.

Owner Signature _____ Date _____

Address: 1343 SW Mondiba Drive Lake City FL 32024

Contractor Signature _____ Date _____

CPE044114

License Number

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 100 2-3 5 CONTRACTOR Bryan Zecher PHONE 752-8653
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

☒ ELECTRICAL	Print Name <u>Mike Conner</u> License #: <u>ER 13013192</u>	Signature <u>Michael S. Conner</u> Phone #: <u>(386) 965-9005</u>
☐ MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
☐ SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 18-5S-17-09280-154

Building permit No. 000028400

Use Classification SWIMMING POOL

Fire: 0.00

Permit Holder TILLIS GIBSON

Waste:

Owner of Building BRYAN ZECHER HOMES, INC.

Total: 0.00

Location: 1343 SW MANDIBA DR, LAKE CITY, FL 32024



Date: 06/23/2010

Greg Lee

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

55

N 86°52'51" E (F) 434.55' (F)

N 86°51'00" E (P) 435.02' (P)

FLOOD ZONE "A"
FLOOD ZONE "X"

CMF
LB 7042

10' Utility
Easement

300' +/-

54

4.49 ACRES

N 03°09'03" W (BEARING BASE)

450.04' (F)
450.00' (P)

SW Mandiba Drive

100.0'

BLOCK STEINWALL
(SEE DETAIL)

pool

275' +/-

FLOOD ZONE "X"

79.3'

71.5'

S 86°51'00" W (P) 435.03' (P)

S 86°52'29" W (F) 434.59' (F)

CMF
LB 7042

53

30'

30'

DETAIL
N.T.S.