

DATE 08/03/2010

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028768

APPLICANT MIKE CANTO PHONE 352.332.7665
ADDRESS 3601 NW 97 BLVD GAINESVILLE FL 32606
OWNER MICHAEL & LAUREL LOMINACK PHONE 752-7489
ADDRESS 2419 SW ICHETUCKNEE AVE LAKE CITY FL 32055
CONTRACTOR MIKE CANTO PHONE 352.332.7665
LOCATION OF PROPERTY 247-S,TL ON CR 240, TR ON OLD ICHETUCKNEE AVE, 3/4 MILE ON
LEFT JUST PAST CARPENTER.
TYPE DEVELOPMENT SWIMMING POOL ESTIMATED COST OF CONSTRUCTION 43448.00
HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT _____ STORIES _____
FOUNDATION _____ WALLS _____ ROOF PITCH _____ FLOOR _____
LAND USE & ZONING A-3 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 19-5S-16-03653-007 SUBDIVISION _____
LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 5.75

CPC1457306
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor Mike Canto
EXISTING X-10-276 BLK TC N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE.

Check # or Cash 41387

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 \$ 220.00 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** 270.00
INSPECTORS OFFICE CA CLERKS OFFICE CA

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.

Columbia County Building Permit Application

For Office Use Only Application # 1007-52 Date Received 7/29 By JW Permit # 28768
Zoning Official BLK Date 30.07.10 Flood Zone N/A Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner J.C. Date 7-30-10

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 N/A Accessory Use ☒ VF

Septic Permit No. X-10-276 Michael S. Canto Fax 352-332-0266
In Box
Name Authorized Person Signing Permit Michael S. Canto Phone 352-332-7665

Address 3601 NW 97 BLVD GAINESVILLE FL 32606

Owners Name MIKE & DIANE LOMINACK Phone 386-752-7489

911 Address 2419 SW ICHETUCKNEE AVE LAKE CITY FL 32024

Contractors Name Michael S. Canto Phone 352 332 7665

Address 3601 NW 97 BLVD GAINESVILLE FL 32606

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address FOX STATE POOLS / DRISCOLL ENGINEERING

Mortgage Lenders Name & Address N/A

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

Property ID Number 19-55-16-03653-007 Estimated Cost of Construction \$43,448.00

Subdivision Name - N/A Lot _____ Block _____ Unit _____ Phase _____

Driving Directions SR 47 SOUTH PAST I-75 TO CR 240 TURN RIGHT (WEST)

GO TO SW ICHETUCKNEE AVE TURN LEFT (SOUTH) GO TO 2419 ON LEFT
ONTO DIRT DRIVEWAY

Number of Existing Dwellings on Property N/A ONE

Construction of CONCRETE INGROUND SWIMMING POOL Total Acreage 5.750 Lot Size -

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

Actual Distance of Structure from Property Lines - Front - 725' Side - 235' Side 85' Rear 49'

Number of Stories N/A Heated Floor Area N/A Total Floor Area N/A Roof Pitch N/A

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.

41387
- JW spoke w Mike Canto. VTS:
7.30.11

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.

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

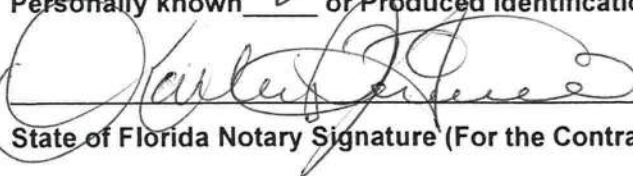

Owners Signature

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.


Contractor's Signature (Permitee)

Contractor's License Number CPC 1457306
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 29 day of July 2010.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:





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 MIKE LOMINACK 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.

Michael W. Lominack 09/28/2010
Owner Signature / Date

Address: 2419 SW. Ichetucknee Ave. LAKE CITY, FL 32024

Michael W. Lominack 7-29-10 CPC1457306
Contractor Signature / Date License Number

Columbia County Property Appraiser

DB Last Updated: 5/6/2010

2009 Tax Roll Year

Parcel: 19-5S-16-03653-007

<< Next Lower Parcel Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

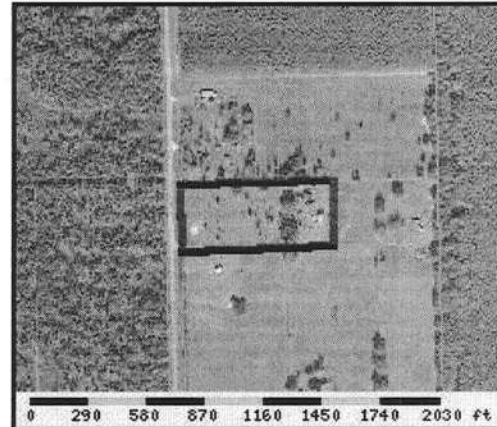
Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	LOMINACK MICHAEL W SR &		
Mailing Address	LAUREL D LOMINACK 2419 SW ICHETUCKNEE AVE LAKE CITY, FL 32024		
Site Address	2419 SW ICHETUCKNEE AVE		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	3 (County)	Neighborhood	19516
Land Area	5.750 ACRES	Market Area	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. COMM AT NE COR OF SW1/4 OF NW 1/4, RUN W 517.60 FT FOR POB, CONT W 776.11 FT TO E R/W OF SW ICHETUCKNEE AVE, S ALONG R/W 324.66 FT, E 776.18 FT, N 331.27 FT TO POB ORB 1038-366 WD 1164-2138		



Property & Assessment Values

2009 Certified Values		
Mkt Land Value	cnt: (0)	\$34,069.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (1)	\$184,969.00
XFOB Value	cnt: (2)	\$5,135.00
Total Appraised Value		\$224,173.00
Just Value		\$224,173.00
Class Value		\$0.00
Assessed Value		\$192,616.00
Exempt Value	(code: HX)	\$50,000.00
Total Taxable Value	Cnty: \$142,616 Other: \$142,616 Schl:	\$167,616

2010 Working Values

NOTE:

2010 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
12/30/2008	1164/2138	WD	I	Q	01	\$279,000.00
2/16/2005	1038/365	QC	V	U	03	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2006	COMMON BRK (19)	1971	5294	\$238,431.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0180	FPLC 1STRY	2006	\$2,000.00	0000001.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	2006	\$2,835.00	0000945.000	0 x 0 x 0	(000.00)

Land Breakdown

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: $\frac{4600}{(\text{Surf. Area})} \times \frac{4.5}{(\text{Avg. Depth})} \times 7.48 (\text{gal./cubic foot}) = \frac{15,484}{(\text{Vol. in gal.})}$
2. Determine preferred Turnover Time in hours: $\frac{8}{(\text{Hours})} \times 60 (\text{min. / hr.}) = \frac{480}{(\text{Turnover in Min.})}$
3. Determine Max Flow Rate: $\frac{15,484}{(\text{Vol. in gal.})} / \frac{480}{(\text{Turnover Mins.})} = \frac{32.26}{(\text{Pool Flow Rate})} + \frac{.58}{(\text{Feature Flow Rate})} = \frac{32.84}{(\text{System Flow Rate})}$
4. Spa Jets: $\frac{\quad}{(\text{No. of Jets})} \times \frac{\quad}{(\text{Jet Flow})} \text{ gpm per jet} = \frac{\quad}{(\text{Total Jet Flow Rate})} \text{ flow rate.}$

(For single pump pool/spa combo, use the higher of No. 3 or No. 4 in the following calculations for the pool & spa)

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: 50
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 = .14 (from pipe flow/friction loss chart)
4. $\frac{50}{(\text{Length of Suct. Pipe})} \times \frac{.10}{(\text{Ft. of head/1 ft. of Pipe})} = \frac{5}{(\text{TDH Suct. Pipe})}$
5. $\frac{50}{(\text{Length of Return Pipe})} \times \frac{.14}{(\text{Ft. of head/1 ft. of Pipe})} = \frac{8}{(\text{TDH Return Pipe})}$

TDH in Piping: 13

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

Heater loss in TDH (from heater data sheet): 0

Total all other loss: 39.3

Total Dynamic Head (TDH): 59.3

Selected Pump and Main Drain Cover:

Pump selection VS-SVRS PENTAIR / 011017 using pump curve for TDH & System Flow Rate
 (Pump model and size in Horsepower)

Main Drain Cover AQUASTAR 32CDFL XXX (System Flow Rate must not exceed approved cover flow rates)
 (Make and Model)

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" ☐ 2 suction outlets @ gpm max. flow (see note 2).
☐ ☐ ☐ 3 suction outlets @ gpm max. flow (see note 3).
☒ 32" 32CDFL XXX channel drain @ 170 gpm w/ 2 1/2" ports (see note 4).

NOTICE OF COMMENCEMENT

This Instrument Prepared By:

Name: Fun State Pools, Inc. Tom Bush

Address: 3601 NW 97 Blvd Gville FL 32606

Permit No: _____

Tax Folio No: _____

STATE OF: Florida

COUNTY OF: COLUMBIA

Inst: 201012012104 Date: 7/29/2010 Time: 4:15 PM

DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1198 P: 1829

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: 2419 SW ICHETUCKNEE AVE LAKE CITY FL 32024
Legal Description: NE COR OF SW 1/4 OF NW 1/4 COR 517' For POB 776' W To R/W ICHETUCKNEE AVE

2. GENERAL DESCRIPTION OF IMPROVEMENT(S): INGROUND CONCRETE SWIMMING POOL

3. OWNER INFORMATION: a.) Name: MIKE OR DIANE LOMINACK Address: 2419 SW ICHETUCKNEE AVE

b.) Interest in Property: Fee Simple

c.) Fee Simple Titleholder (if other than owner) Name: N/A

Address: N/A

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.

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

Signatory's Title/Office _____

The foregoing instrument was acknowledged before me this 28 day of July, 2010 (year),
by Mike Lominack (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)



Karleen P. Howard
Signature of Notary Public - State of Florida
Print, Type, or Stamp Commission or Name of Notary Public
Commission Number: DD768706
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.

Mike Lominack
Signature of Natural Person Signing Above



3601 N. W. 97th Blvd. • Gainesville, Florida 32606
Phone (352) 332-7665
Fax (352) 332-0266

July 29, 2010

Colombia County
Building Department
135 NE Hernando Ave
Suite B-21
Lake City, FL 32055

Building Department:

Douglas Smith, Tom Bush, Michael Canto, Frederick Wilkes and Barry Blanton are
the authorized signers/agents for Fun State Pools, Inc.

Sincerely,

Michael Canto
CPC 1457306

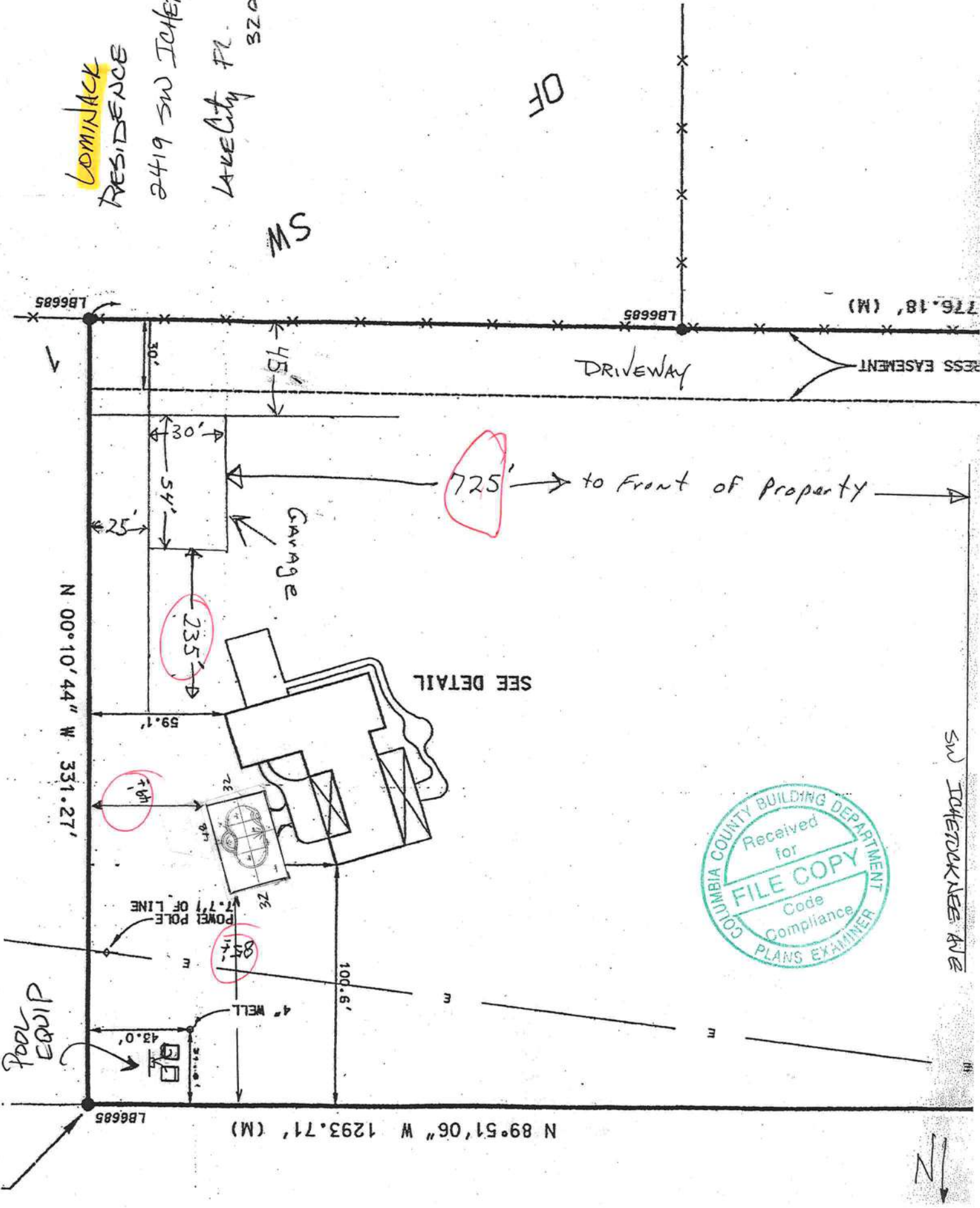
DOMINACK
RESIDENCE

2419 SW JADESTONE AVE

Lake City FL 32024

MS

OF



SW JADESTONE AVE



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

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Michael W. Linnick 09/28/2010
Owner Signature / Date

Address: 2419 SW. Ichetucknee Ave. LAKE CITY, FL 32024

Michael A. Kest 7-29-10 CPC1457306
Contractor Signature / Date License Number



Fun State Pools

332-POOL 3601 N.W. 97th Blvd. Gainesville, Florida 32606

REF. NO.

POOL SHAPE FREEFORM JOB NO.
SIZE 16'x32' DEPTH 3' TOL PERM 84 AREA 460
DECK DECK SURFACE PAVER DECK-O-DRAIN ✓
COPING YES CANTILEVER NO
TILE YES COLOR Dark
STEP COLOR NO COLOR NO
TURNOVER 8 FILTER TYPE PM SIZE 150 PUMP V5-SVRS
SKIMMER YES INLETS 5 MAIN DRAIN YES
GRAB RAILS NO HAND RAIL LADDER
POOL LIGHT LED VOLTS 120 WATTS 400
DIVING BOARD NO SIZE NO
AUTOMATIC CHLORINATOR SAF TIMER YES FILL LINE —
CLEANING EQUIPMENT WATER SWIMOUT YES SIZE PM JETS —
ROPE & FLOATS NO ROPE ANCHORS NO
AUTOMATIC CLEANING SYSTEM WATER POOL HEATER NO
GAS LINE BY: NO SLIDE NO SIZE NO

Sitting Area Specifications

SIZE 6'x10' DEPTH 3' JETS
BLOWER NO SKIMMER NO LIGHT LED
SPILLWAY (3) HEATER NO MAIN DRAIN YES
SCREEN ENCLOSURE NO SCREEN ROOF DOORS
ALUM. ROOF GUTTER
REMOVE FENCE REPLACE FENCE TEMP. FENCE
TREE REMOVAL STUMP REMOVAL
SHRUBS DAVIDER SAVE DAVIDER HAUL AWAY DAVIDER
SEPTIC TANK DAVIDER SEWER LINE DAVIDER
POWER LINE DAVIDER RELOCATE DAVIDER
GAS LINE DAVIDER WATERLINE DAVIDER
SPRINKLERS DAVIDER REROUTE DAVIDER CAP DAVIDER
PHONE LINE DAVIDER ACCESS PERMISSION DAVIDER
RETAINING WALL DAVIDER

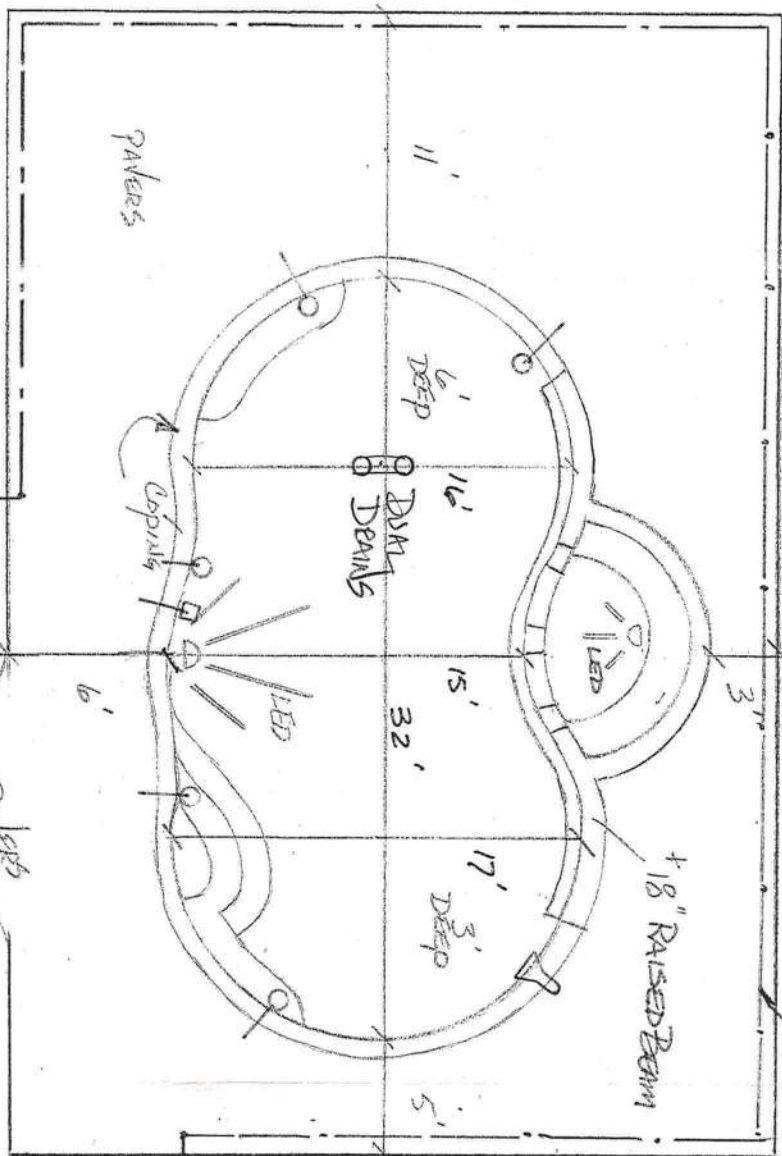
Custom Design... FUN-STATE POOLS

NAME Lomilack
ADDRESS 2419 SW Joliet Road Ave
CITY LAKE BUTY PHONE:

Part 2 of contract dated for pool at:

LOT BLOCK SUB PAGE
BOOK
ALSO DESCRIBED AS
CUSTOMER'S SIGNATURE Michael M. Lomilack
DWN BY Tom Pabis DATE CHK BY

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



Remote
Pool Equip. located
Behind Backem

48'

Perimeter Pool Fence

Stillage Area
6' x 10'
3' Deep
3' Deep
3' Deep
18\"/>

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.

Port House
HARDS ON HOUSE
DOORS AND WINDOWS

septic tank
in front of house



Note: All plan dimensions
are subject to field verification
and modification.

PROFESSIONAL SERVICES
DRISCOLL ENGINEERING, INC.
PO BOX 357577
Gainesville, Florida 32606
(352) 331-1513 E.B. 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 supplemental 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 Professionals 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 requirements 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.

CONCRETE CONSTRUCTION NOTES:

1. CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI-301) LATEST EDITION.
2. CONCRETE MIX "X" SHALL BE USED FOR FOUNDATION AND WALLS FOOTINGS AND INTERIOR SLABS ON GRADE. CONCRETE MIX "Y" 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 SHALL CONFORM TO ASTM C-260

	MIX A	MIX B
ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS	4*+/-1*	3000 psi. 3000 psi.
SUMP RANGE	4*+/-1*	3*+/-1*
MAXIMUM AGGREGATE	1"	1"
ENTRAINED AIR	NONE	5-7%
DRY WEIGHT PER CUBIC FT.	150#	150#
SHOTCRETE		150#

3. ALL CONCRETE SHALL CURE 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.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40 (F=40ksi). 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
5. WELDED WIRE FABRIC SHALL BE USED IN DRIVEWAY SLABS ON GRADE LAP SHEETS ON MESH SPACE AND WIRE THE ADJACENT SHEETS TOGETHER SECURELY. CUT ALTERNATE REINFORCEMENT AT CONTROL JOINTS.
6. ALL SLABS ON GRADE SHALL HAVE CONSTRUCTION CONTROL JOINTS NOT TO EXCEED 15'-0" SPACING. UNLESS OTHERWISE NOTED.
7. ALL SIDEWALKS SHALL HAVE CONSTRUCTION OR CONTROL JOINTS NOT TO EXCEED 5'-0" SPACING U.N.O.

MASONRY CONSTRUCTION NOTES

1. CONCRETE MASONRY WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530-02 ASCE-02) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1-02/ASCE-03).
2. CONCRETE MASONRY UNITS SHALL BE TYPE 1 AND COMPLY WITH "STANDARD SPECIFICATIONS FOR HOLLOW LOAD BEARING CONCRETE MASONRY UNITS ASTM C90-00
3. THE MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY (f_m) AS DETERMINED BY THE UNIT STRENGTH METHOD SHALL BE 1500 PSI.
4. 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.
5. MASONRY COLUMN REINFORCEMENT SHALL HAVE #2 TIES IN THE BED JOINTS AT 8" O.C. UNLESS OTHERWISE NOTED.
6. GROUT FOR FILLING BLOCK CORES AND BOND BEAMS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. AT THE AGE OF 28 DAYS.
7. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. AND IN THE FIRST COARSE ABOVE AND BELOW OPENINGS, UNLESS OTHERWISE NOTED.



DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS

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

PREPARED FOR

LOMINACK
135 S.W. ICHETEKNEE AVE
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.

INDEX

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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 FBC AND BUILDING CODE RESIDENTIAL
AND THE 2009 AMENDMENTS TO CHAPTER 41 TO THE BEST OF MY KNOWLEDGE

7-28-10
MICHAEL DRISCOLL P.E.
FL REG. #43922



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

LOMINACK
2419 S.W. ICHETEKNEE AVE
LAKE CITY, FL DS10-118



DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS
PO BOX 357577 PH (352) 331-1513 EB 8690
GAINESVILLE, FL 32606 FX (352) 505-3066

DRISCOLL ENGINEERING, INC.
Post Office Box 357577
Gainesville, Florida 32635-7577
Phone (352) 331-1513 Fax (352) 505-3366
CA #8690

GENERAL NOTES FOR RESIDENTIAL SWIMMING POOLS

- 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/ASp-7.
- Every swimming pool shall be equipped complete with approved mechanical equipment consisting of filter, pump, piping valves and component parts.
- 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.
- 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.
- A minimum of two suction inlets shall be provided for each pump in the suction inlet 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 inlets 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.
- Pumps shall be installed in accordance with manufacturer's recommendations.
- Pump impellers, shafts, wear rings and other working parts shall be of corrosion-resistant materials.
- 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.
- 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.
- The entire design of matched components shall have sufficient capacity to provide a complete turnover of pool water in 12 hours or less.
- 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.
- 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 at least 10 feet (3048 mm).
- Filters shall be equipped with a pressure gauge and an air release system.
- Piping shall be schedule 40 PVC, NSFpw minimum.
- Contractor shall install piping so as to not exceed the limits imposed by the tables shown.
- All electrical design is by others.
- Minimum soil bearing capacity shall be a min. 2000 psf.
- Contractor shall submit completed total or simplified total dynamic head calculation worksheet with each permit application to the building dept.

Notes:

- If a variable speed pump is used, use the max. pump flow in calculations.
- For tile wall drains, use appropriate side wall drain flows published by manufacturer.
- Insert manufacturer's name and approved maximum flow.
- See installation instructions for number of ports to be used.
- For floor suction outlet, coverings must conform to most recent edition of ASME/ANSI A112.19.8 and be embossed with that edition approval.
- Pump & filter make, model and location can not change without submiting a revised plans 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's. 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		
	Flow (gpm)	Friction Loss (ft/100')	Velocity (ft/sec)	Flow (gpm)	Friction Loss (ft/100')	Velocity (ft/sec)	Flow (gpm)	Friction Loss (ft/100')	Velocity (ft/sec)
1.5"	16 gpm	0.25'	2.1 gpm	0.28'	28 gpm	0.94'			
2"	37 gpm	0.16'	50 gpm	0.25'	62 gpm	0.40'			
2.5"	62 gpm	0.15'	82 gpm	0.25'	103 gpm	0.40'			
3"	68 gpm	0.09'	117 gpm	0.15'	146 gpm	0.23'			
4"	138 gpm	0.09'	181 gpm	0.14'	227 gpm	0.23'			
6"	234 gpm	0.06'	313 gpm	0.10'	392 gpm	0.15'			
	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	29.6	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						



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MICHAEL E. DRISCOLL P.E.
FL REG. #43922

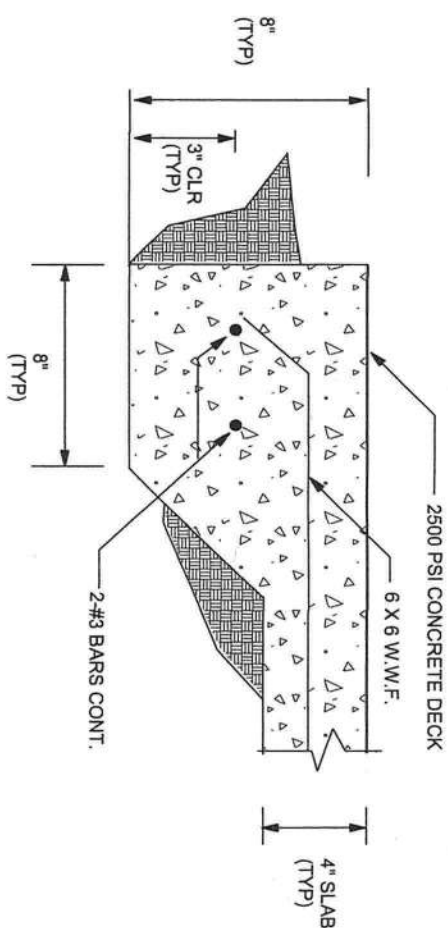
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WILLIAM JOHNSON
CUSTOM DRAFTING
1690 N.E. 21st STREET
GAINESVILLE, FL 32609
PH (352) 485-1942 (352) 494-2041

LOMINACK
2419 S.W. ICHETEKNEE AVE
LAKE CITY, FL DS10-118

DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS
PO BOX 357577
GAINESVILLE, FL 32606
PH (352) 331-1513
FX (352) 505-3366
EB 8880

POOL / SPA MAIN DRAINS
2- MAIN DRAINS REQUIRED, NO CLOSER THAN
3' PLUMBED ON COMMON LINE. AS PER F.B.C. #24.2.6.6.4
ANSI/APSP-7 COVERS TO MEET ANSI/ASME A112.19.8M



NTS

8" X 8" W/ 2 #3 BAR CONT.
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 WALL FITTINGS, MAIN DRAINS, ETC. SHALL BE 2" DIA. SCH 40 PVC PIPE.

MAX SUCTION PIPE VELOCITY SIX FEET PER SECOND.

7-28-10
MICHAEL E. DRISCOLL P.E.
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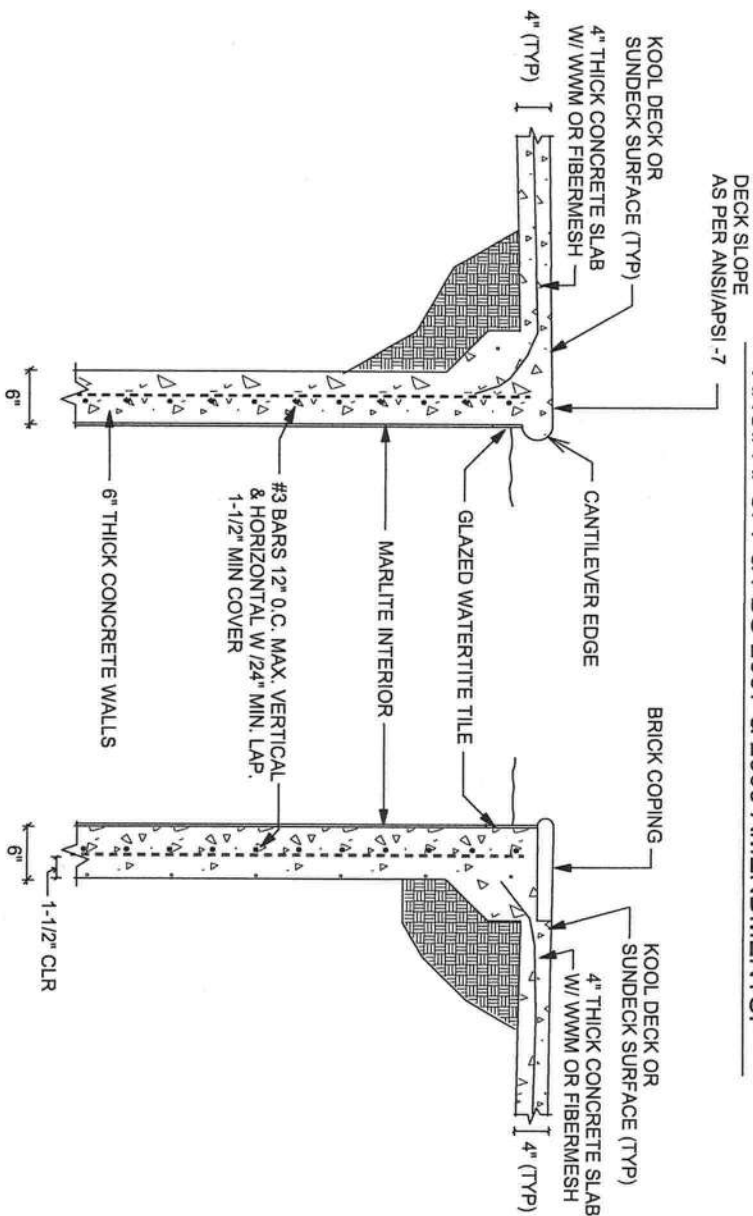
WILLIAM JOHNSON
CUSTOM DRAFTING
16909 N.E. 21st. STREET
GAINESVILLE, FL. 32609
H (352) 485-1942 (352) 494-2041

LOMINACK
2419 S.W. ICHETEKNEE AVE
LAKE CITY, FL DS10-118



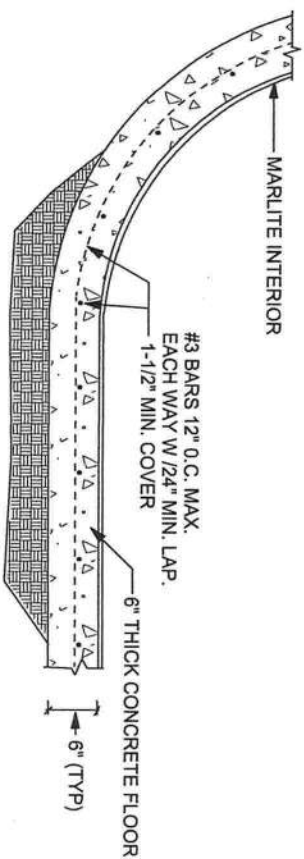
DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS
PO BOX 357577 PH (352) 331-1513 EB 8690
INVERGLES FL 32606 FX (352) 505-3366

ALL POOL CONSTRUCTION TO COMPLY WITH
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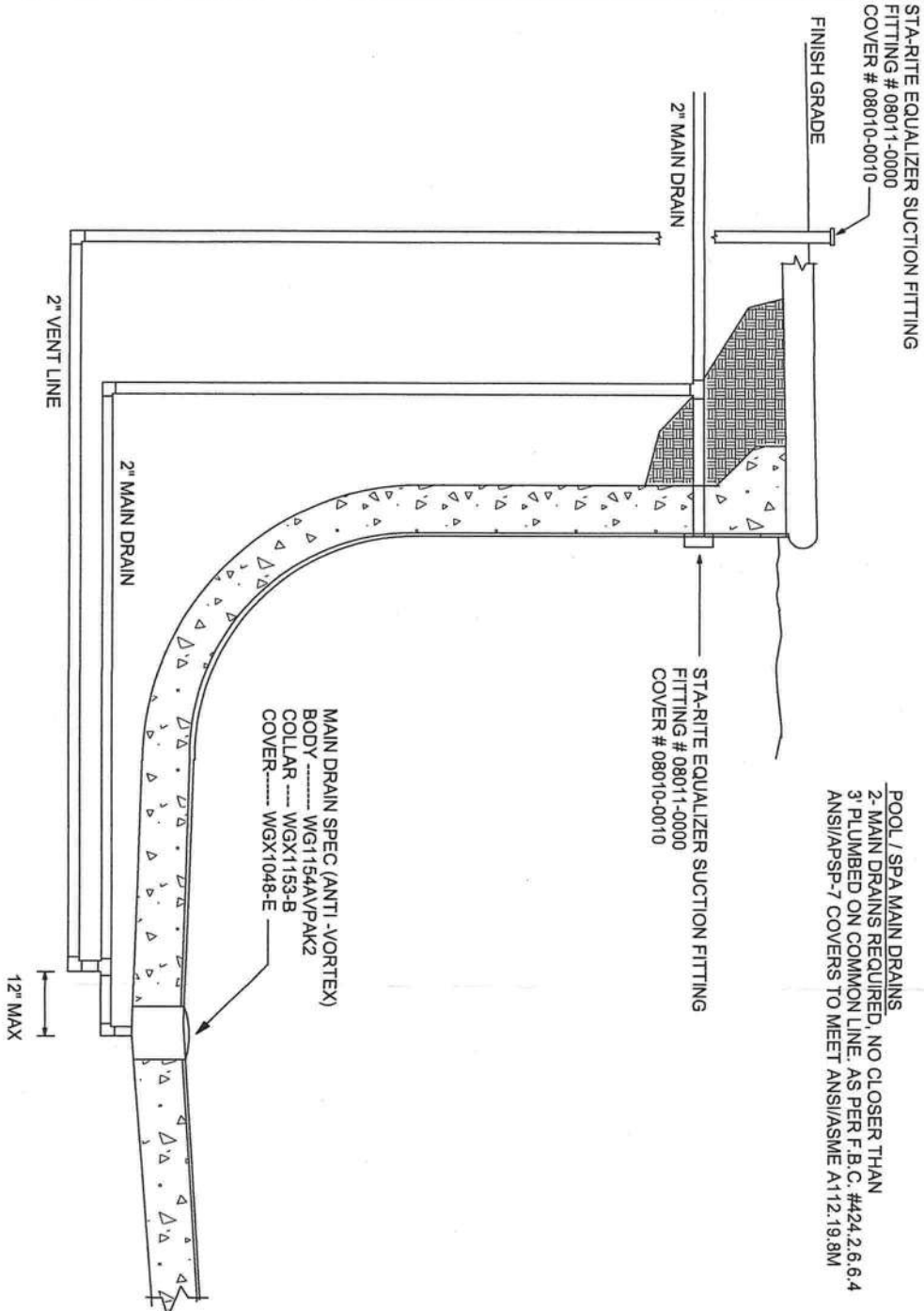


TYP WALL SECTIONS
NTS

FLOOR SECTION (TYP)
NTS



ALL POOL CONSTRUCTION TO COMPLY WITH
ANSI/ APSP-7 & FBC 2007 & 2009 AMENDMENTS.

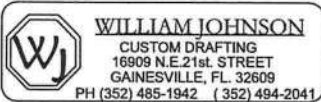


DUAL MAIN DRAIN @ ATMOSPHERIC VENT
NTS

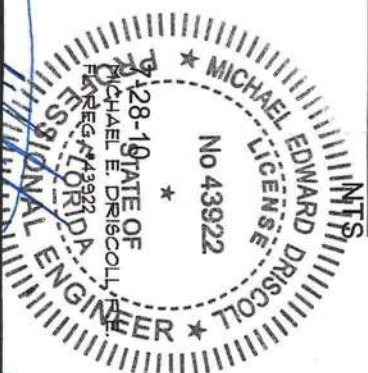
FOOTINGS FOR SCREEN OR OTHER ACCESSORY STRUCTURES BY OTHERS
POOL WALL & FLOOR CONCRETE TO BE 3000 PSI. MIN.
POOL DECK CONCRETE TO BE 2500 PSI. MIN
ALL PIPING SHALL BE SCH 40 PVC PIPE
ALL SUCTION DEVICES WALL FITTINGS, MAIN DRAINS, ETC. SHALL BE 2" DIA. SCH 40 PVC PIPE.
MAX SUCTION PIPE VELOCITY SIX FEET PER SECOND.



LOMINACK
2419 S.W. ICHETEKNEE AVE
LAKE CITY, FL DS10-118



5
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7-29-10
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