

Columbia County Swimming Pool/Spa Permit Application

V# 12190

For Office Use Only Application # 44450 Date Received 2/3 By MG Permit # 39275
Zoning Official LW/HA Date 2-4-20 Flood Zone X Land Use RLD Zoning RSF-2
FEMA Map # Elevation MFE River Plans Examiner T.C. Date 2/6-20

- Comments
 NOC EH Deed or PA Site Plan 911 Sheet (if NO Address Exists) Owner Builder Disclosure Statement
 Dev Permit # In Floodway Letter of Auth. from Contractor F W Comp. letter
 Land Owner Affidavit Ellisville Water App Fee Paid Sub VF Form

Notes:

Septic Permit No. 19-0883 Or City Water System Fax

Applicant (Who will sign/pickup the permit) Steve Cronin / Sloan Cronin Phone 386-965-0066

Address 1956 SW Main Blvd Lake City, FL. 32025

Owners Name Ed Gathercole Phone 904-716-2652

911 Address 178 NW Aurburn Pl. Lake City, FL. 32024

Contractors Name My Favorite Pool Builder, Inc Phone 386-965-0066

Address 1956 SW Main Blvd Lake City, FL. 32025

Contractor Email steve@mfpblc.com ***Include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address John Duranko 102 Willision Dr. WPB FL. 33406

Mortgage Lenders Name & Address N/A

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

Property ID Number 23-3S-16-02272-015 Cost of Construction 45,000

Subdivision Name Lake Jeffrey Ph 1 Lot 14 Block Unit Phase

Driving Directions Hwy 90 east to NW lake Jeffery Rd, Turn Right , take a left into Lake Jeffery sub dev

Make first right and house will be on left.

Residential OR Commercial

Construction of Fiberglass Swimming pool and deck ADA Compliant Total Acreage

Actual Distance of Pool from Property Lines - Front 105 Side 82 Side 112 Rear 108

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.

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

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 a permit has been issued.

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 CONTRACTOR AND AGENT: 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. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Ed Gathercole
Print Owners Name


Owners Signature

****Property owners must sign here before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

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

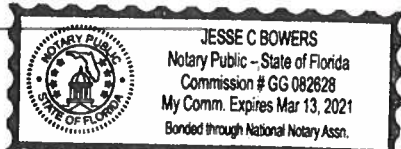
Contractor's License Number CPC1459058
Columbia County
Competency Card Number 2011

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 31 day of January 2020.

Personally known or Produced Identification


State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property Appraiser

Jeff Hampton

2020 Working Values

updated: 1/6/2020

Parcel: << **23-3S-16-02272-015** >>

Owner & Property Info

Result: 1 of 1

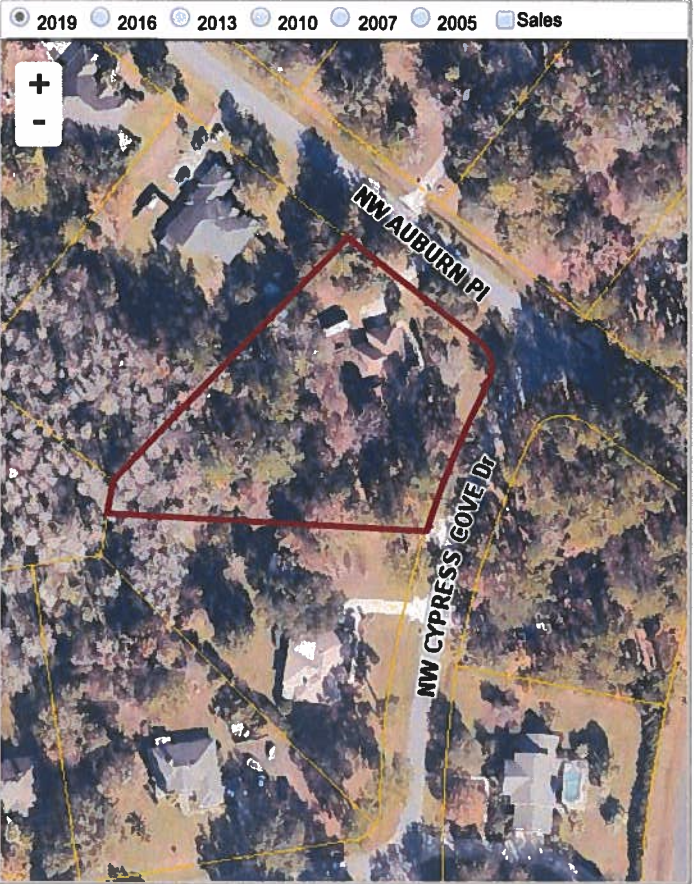
Owner	GATHERCOLE EDWARD LEROY & MIKKI SHANNON GATHERCOLE 178 NW AUBURN PL LAKE CITY, FL 320558509		
Site	178 AUBURN PL, LAKE CITY		
Description*	LOT 14 LAKE JEFFERY PHASE 1. 783-131, 796-191, 800-1088, 824-696, DC 1057-843, WD 1237- 441, WD 1393-2620,		
Area	0 AC	S/T/R	23-3S-16
Use Code**	SINGLE FAM (000100)	Tax District	2

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.
 **The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (1)	\$21,995	Mkt Land (1)	\$21,995
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$155,945	Building (1)	\$162,984
XFOB (3)	\$6,581	XFOB (3)	\$6,581
Just	\$184,521	Just	\$191,560
Class	\$0	Class	\$0
Appraised	\$184,521	Appraised	\$191,560
SOH Cap [?]	\$10,029	SOH Cap [?]	\$0
Assessed	\$174,492	Assessed	\$191,560
Exempt	HX H3 \$50,000	Exempt	\$0
Total Taxable	county:\$124,492 city:\$124,492 other:\$124,492 school:\$149,492	Total Taxable	county:\$191,560 city:\$191,560 other:\$191,560 school:\$191,560

Aerial Viewer Pictometry Google Maps



Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
9/6/2019	\$250,000	1393/2620	WD	I	Q	01
6/15/2012	\$175,000	1237/0441	WD	I	Q	01
6/20/1996	\$130,000	824/0696	WD	I	Q	
1/6/1995	\$138,900	800/1088	WD	I	Q	
9/2/1994	\$17,500	796/0191	WD	V	Q	
9/27/1993	\$84,500	783/0131	WD	V	U	35

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SINGLE FAM (000100)	1995	2254	3228	\$162,984

*Bldg_Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	1995	\$4,233.00	1411.000	0 x 0 x 0	(000.00)
0180	FPLC 1STRY	1995	\$2,000.00	1.000	0 x 0 x 0	(000.00)
0120	CLFENCE 4	1995	\$348.00	139.000	0 x 0 x 0	(000.00)

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000100	SFR (MKT)	1.000 LT - (0.000 AC)	1.00/1.00 1.00/1.00	\$21,995	\$21,995

Search Result: 1 of 1



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-8883
DATE PAID: 2/3/19
FEE PAID: 200.00
RECEIPT #: 455591

APPLICATION FOR:

- New System Existing System Holding Tank Innovative
 Repair Abandonment Temporary

APPLICANT: Edward + Mikki Gathercole

AGENT: _____ TELEPHONE: 904-716-2652

MAILING ADDRESS: 178 NW Auburn Pl. Lake City, FL 32055

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 14 BLOCK: _____ SUBDIVISION: Lake Jeffery Phase 1 PLATTED: 1983

PROPERTY ID #: 23-35-16-02272-015 ZONING: _____ I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 1.34 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [] <=2000GPD [] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y] N [] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 178 NW Auburn Pl. Lake City, FL 32055

DIRECTIONS TO PROPERTY: North on Bascom Norris, turn west on Lake Jeffery turn South on Old Mill Rd., turn west on NW Auburn Pl., first house on the left.

BUILDING INFORMATION

[X] RESIDENTIAL [] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>Pool</u>	<u>0</u>		ORIGINAL ATTACHED
2	<u>Garage</u>	<u>0</u>	<u>1200sqft</u>	
3				
4				

[] Floor/Equipment Drains [] Other (Specify) _____

SIGNATURE: [Signature] DATE: 12-3-19

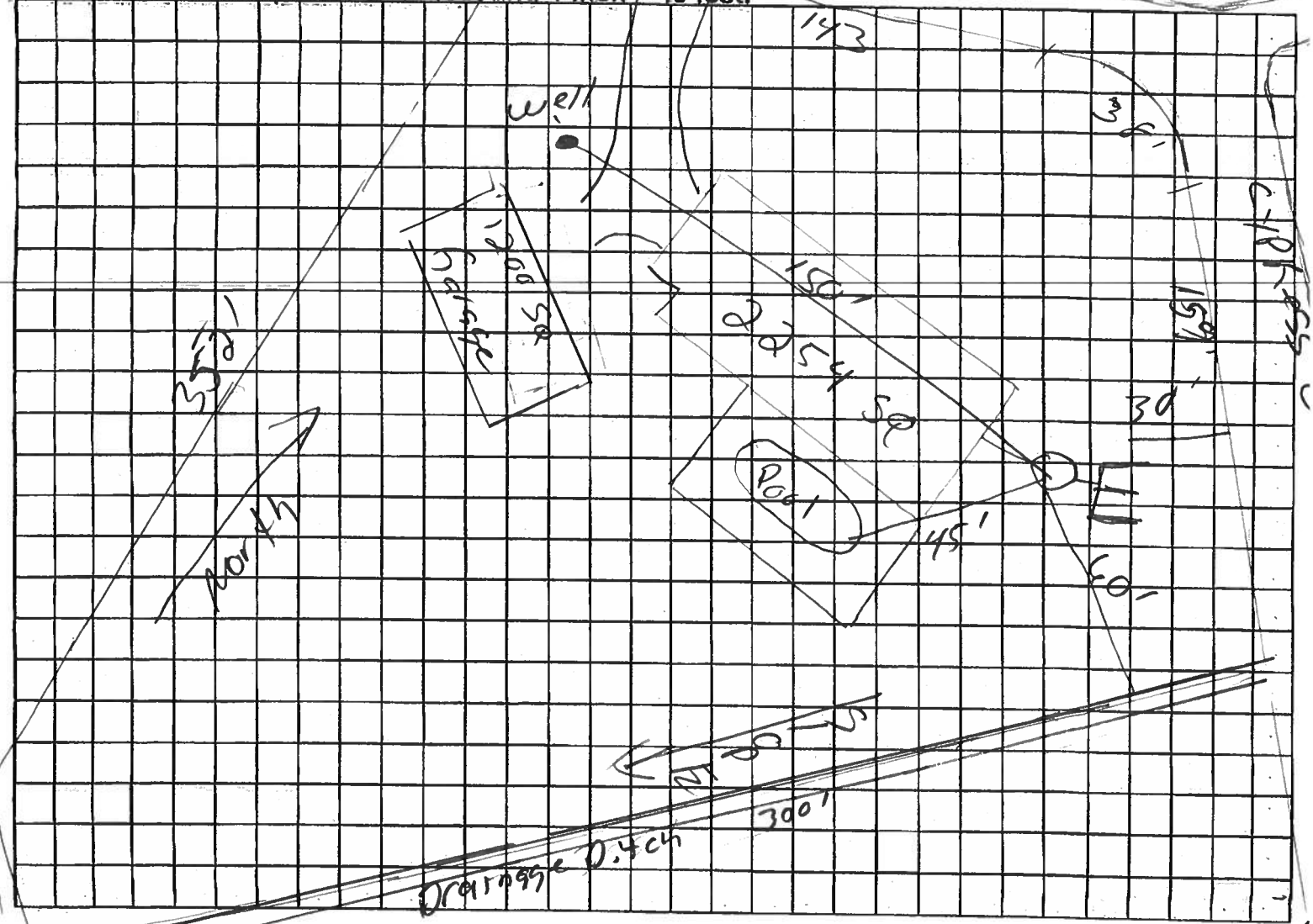
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0883

NW Auburn PL

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes:

Site Plan submitted by: Ed Gathercole TITLE _____ DATE: 12-3-19
Plan Approved Y Not Approved _____ Date 12/5/19
By [Signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME Gathercole Pool

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

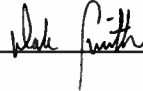
Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL <input checked="" type="checkbox"/>	Print Name <u>Dale Smith</u> Signature <u></u> Company Name: <u>I Power Electric, Inc.</u> License #: <u>EC13003514</u> Phone #: <u>386-965-0066</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
MECHANICAL/ A/C <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
PLUMBING/ GAS <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
ROOFING <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SHEET METAL <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
FIRE SYSTEM/ SPRINKLER <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SOLAR <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
STATE <input type="checkbox"/> SPECIALTY CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21, Lake City, FL 32055

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

www.columbiacountyfla.com/BuildingandZoning.asp


NOTICE TO SWIMMING POOL OWNERS

Ed Gathercole

_____ 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 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 chapter 515: Residential Swimming Pool Safety Act, 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 1-31-20

Address: 178 NW Aurburn Pl. Lake City, FL. 32024



Contractor Signature / Date 1/31/20

CPC1459058

License Number

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number: 23-3S-16-02272-015

Clerk's Office Stamp
Inst: 202012002642 Date: 02/03/2020 Time: 10:01AM
Page 1 of 1 B: 1404 P: 2090, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

- 1. Description of property (legal description): LOT 14 LAKE JEFFERY PHASE 1. 783-131, 796-181, 800-1088, 824-886, DC 1057-843, WD 1237-441, WD 1393-2620.
a) Street (Job) Address: 178 NW AUBURN PL LAKE CITY, FL 32055
2. General description of improvements: Install Fiberglass swimming pool and screen roo.
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
a) Name and address: Ed Gathercole 178 NW AUBURN PL LAKE CITY, FL 32055
b) Name and address of fee simple titleholder (if other than owner) N/A
c) Interest in property Owner
4. Contractor Information
a) Name and address: My Favorite Pool Builder, Inc. / S P Cronin Enterprises, Inc. 1956 SW Main Blvd. Lake City, FL, 32025
b) Telephone No.: 388-289-3304 X700
5. Surety Information (if applicable, a copy of the payment bond is attached):
a) Name and address: N/A
b) Amount of Bond: N/A
c) Telephone No.: N/A
6. Lender
a) Name and address: N/A
b) Phone No.
7. Person 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 and address: Steve Cronin 1956 SW Main Blvd. Lake City, FL. 32025
b) Telephone No.: 388-289-3304 x700
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name: OF
b) Telephone No.:
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified):

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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

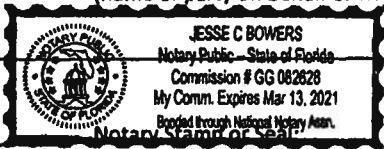
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. [Signature]
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager
Steven P Cronin
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 31 day of January, 2020, by:
Steven P Cronin as Agent for Ed Gathercole
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known X OR Produced Identification Type

Notary Signature [Signature]



My Favorite Pool Builder

www.myfavoritepoolbuilder.com

steve@mfpbhc.com

CPC1459058

Cell 386-965-0066

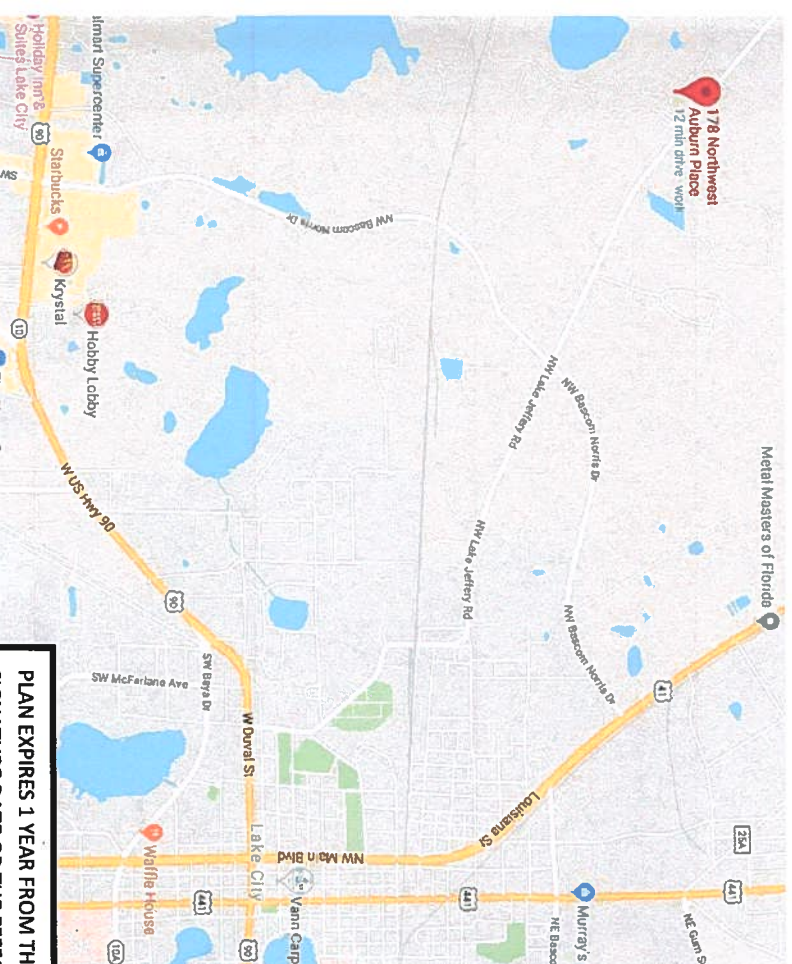
Swimming Pool Specification For:

Edward & Mikki Gathercole
 178 NW Aurburn Pl.
 Lake City, FL. 32024
 904-716-2652

Page 1	Title Page
Page 2	Deck and Equipment
Page 3	Pool Specifications
Page 4	Energy Efficiency Compliance Data/Wet Bond
Page 5	Site Plan information
Page 6	Site and Elevation Detail
Page 7	Survey Dig Plan

1956 SW Main Blvd.
 Lake City, FL. 32025

Toll – Fax 800-286-7929
 Lake City 386-269-3307
 Gainesville 382-519-3125
 Jacksonville 904-248-4697
 Valdosta, Ga. 229-469-9525
 Tallahassee 850-296-3622



PLAN EXPIRES 1 YEAR FROM THE SIGNATURE DATE OR THE EFFECTIVE DATE OF A MAJOR FLORIDA BUILDING CODE CHANGE WHICHEVER IS SOONER

2/1/2020

Date

John Duranko, A.R.
 103 Willison Rd.
 West Palm Beach, FL. 33406

FL. Lic# AR0011649

My Favorite Pool Builder, Inc.

1956 SW Main Blvd.
 Lake City, FL. 32025
 (386) 269-3304 OF
 (386) 965-0066 Cell
 CPC1459058

Swimming Pool Specification For:

Edward & Mikki Gathercole
 178 NW Aurburn Pl.
 Lake City, FL. 32024
 904-716-2652

Scale: None Rev
 Page 1 of 7

TURNDOWN NOTES

1. Detail is based on NO surcharge behind the Turndown and the Ground away from the Turndown is (>4 to 1). Turndown may abut Ribbon Footer and be tied into Footer if Appropriate, with #3 Rebar (24" Min Lap).
2. Turndown shall bear on rock, clean sand or structurally sound soils (1,500 psi) that shall be compacted to provide optimum bearing capacity and prevent settling or shifting
3. All Reinforcing steel is to conform to ASTM 615, Grade 40.
4. Concrete shall contain Fiber mesh and have a 28 day compressive strength of 2,500 PSI.
5. POOL SHALL CONFORM TO REQUIREMENTS OF IS95C 2015 AND FLORIDA BUILDING CODE, 6TH EDITION, 2017 (FBC) ACCESSIBILITY, FBC BUILDING; FBC RESIDENTIAL, AND ANSI/APSP/ICC-3, ANSI/APSP/ICC-4, ANSI/APSP/ICC-5, ANSI/APSP/ICC-6 AND ANSI/APSP-7, ANSI/APSP-15, AND THE ADOPTED NATIONAL ELECTRIC CODE 2014 (NEC) AND CHAPTER 42 AND CHAPTER 45 OF THE 6TH EDITION OF THE FBC, 2017, RESIDENTIAL.
6. Refer to Contractor's Plan on file with the building department for details on Turn down location.
7. If the base of the turndown does not extend into the old (existing) ground, a 4" Ø plaster will be required every 5' 0" that will be either 2' 0" into the ground or to 6" into the indigenous material, whichever is deeper. The plaster will have a #3 rebar tied to a #5 rebar in the base of the vertical pour.
8. A deck turndown is not intended to be substitute for a retaining wall. If the vertical dimension from the top of the concrete deck to the old (existing) ground reaches 42" for a 12" turndown, for more than 20% of the turndown length or the finished grade slope exceeds (sleeper than) 4' horizontally and 1' vertically (1 in 4), a turndown shall not be used.
9. For a paver deck, if the vertical dimension from the top of the deck to the old (existing) ground reaches 30,0" for a 12" turndown, 36,0" for a 18" turndown, for more than 20% of the turndown length or the finished grade slope exceeds (sleeper than) 4' horizontally and 1' vertically (1 in 4), a turndown shall not be used.

Footer Notes

1. If a screen enclosure is to be installed, the swimming pool contractor must coordinate the design and construction of any required footer with the screen enclosure engineer.
2. Footer shall bear on rock, clean sand or structurally sound soils (1,500 psi) that shall be compacted to provide optimum bearing capacity and prevent settling or shifting
3. Concrete shall contain Fiber mesh and have a 28 day compressive strength of 2,500 PSI.
4. (3) #3 Rebars is equivalent to (1) #5 rebar.
5. #3 - #4 - #5 Rebar lap Minimum lap is 24 inches
6. A footer must be installed with brick paver pool deck if required by the Jurisdiction or the option of the contractor and may be placed over the top Of the footer or abutting the side of the footer.

Pump

Pentair 011018 IntelliFlo 3HP Variable Speed Pool Pump 2"

Self-Priming

230 volt Phase 1 16 amp with timer

With Dynamic Head 50

750 RPM-GPM Up to 40 Turn over at this speed 4.16 Hours

2,350 RPM-GPM Up to 140 Turn Over at this speed 1.19 Hours

Filter

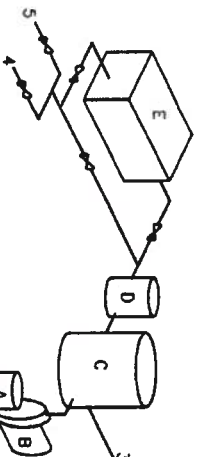
Pentair Sand Dollar Filters

Tank Diameter	Filter Area Sq. Ft.	Lbs of Sand Required	Max Working Pressure (PSI)	Vtl. Clearance Required	Design Flow Rate GPM	Max Water Temp
16"	1.40	100	30	45"	35	95°F
18"	1.92	150	35	49"	40	95°F
22"	2.64	250	40	55"	60	95°F
24"	3.15	300	50	58"	70	95°F
25"	3.99	350	50	60"	75	95°F

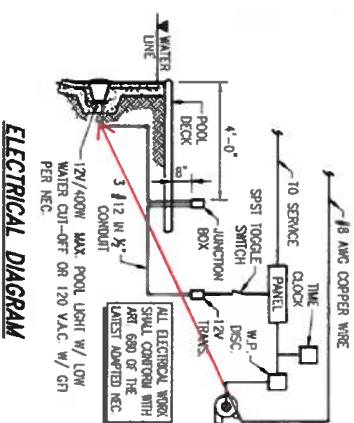
Pentair Clean and Clear

Product #	sq. ft.	Residential Maximum Cartridge Flow Rates				Commercial Maximum Cartridge Flow Rates			
		GPM	6 hour	8 hour	GPM	6 hour	8 hour		
160314	50	3,000	18,000	24,000	19	1,140	6,840	9,120	
160315	75	4,500	27,000	36,000	28	1,680	10,080	13,440	
160316	100	6,000	36,000	48,000	38	2,280	13,680	18,240	
160317	150	9,000	54,000	72,000	56	3,360	20,160	26,880	
160318	200	12,000	72,000	96,000	75	4,500	27,000	36,000	

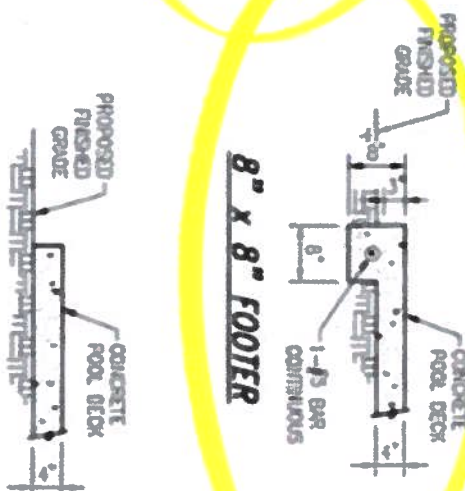
(1) One GPM per sq. ft. shown, recommended flow rate for residential is .5 GPM per sq. ft.
 (2) Commercial flow rate is a maximum of .375 GPM per sq. ft. of filter area.
 NOTE: Actual system flow will depend on plumbing size and other system components



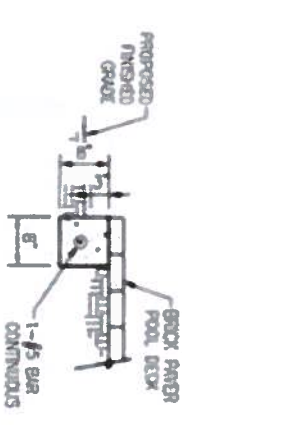
FILTER SYSTEM



Light for pool is 12 - Volt LED Color powered by transformer

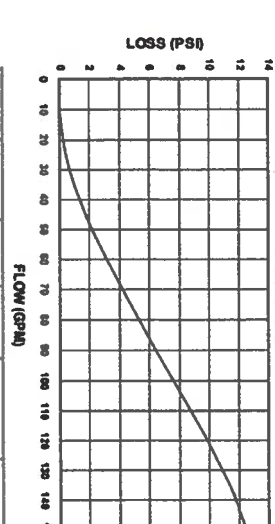


NO FOOTER



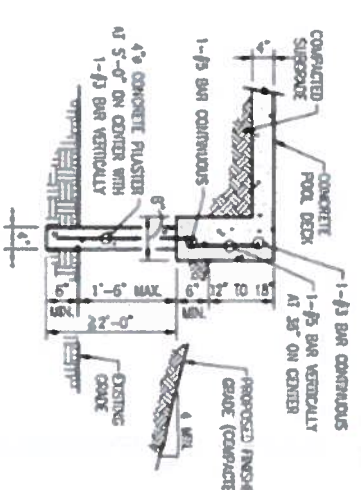
8" x 8" FOOTER W/ PAVER DECK

FNS® Plus Vertical Grid Filters
FILTER PRESSURE LOSS
 FNS-Plus SERIES



sq. ft.	Height	GPM	GPH	6 hour	8 hour
49	49"	120	7,200	43,200	57,600
60	55"	150	9,000	54,000	72,000

CONCRETE DECK TURNDOWN



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2/1/2020

Date

John Duranko, A.R.

103 Willison Rd.

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Swimming Pool Specification For:

Edward & Mikki Gathercole

178 NW Aurburn Pl.

Lake City, FL 32024

904-716-2652

Scale: None Rev
 Page 2 of 7

The subject pools have at least one stair at the shallow end of the pool.

802.1 MATERIALS OF COMPONENTS AND ACCESSORIES
Swimming pool materials shall be suitable for the environment in which they are installed and shall be compatible fulfilling the design, installation and intended use requirement in the International Residential Code (IRC)

The subject pools are compound of fiberglass shells meeting the requirements. See "FIBERGLASS SHELL REQUIREMENTS"

802.2 STRUCTURAL DESIGN

The structural design and materials shall be in accordance with the IRC.

The subject pools meet or exceed all loads prescribed and IRC section 301. All Pool installations in flood hazard A or V zones (as noted in IRC section 322) require additional hold - down features to be designed in a case-by-case basis.

803.1 CONSTRUCTION TOLERANCES

The construction tolerances for dimension for the overall length width and depth of the pool shall be +/- 3 inches. The construction tolerance is for all other dimension shall be +/- 2 inches, unless otherwise specified by the design engineer.

The subject pool meets the noted construction tolerances. Field installation tolerance should be verified during field inspections.

804 Diving Water Envelopes

N/A The subject pools are non-diving.

805 Walls

Walls in the shallow area and deep areas of the pool should have a wall-to-floor transition point that is less than 33 inches below the design waterline. Above the transition point, the wall shall be within 11 degrees of vertical

The subject pools have a wall-to-floor transition 41" below the design waterline and the walls are within 6 degrees of vertical.

806.1 OFFSET LEDGES - MAXIMUM WIDTH

Offset ledges shall be not greater than 8 inches in width.

The subject pools have offset ledges equal to 3 1/2".

807.1 POOL FLOOR SLOPES

Floor Slopes shall be in accordance with Section 807.1.1 through 807.1.3.

The subject pools have a single 1 unit vertical to 24 inch horizontal slope either meeting or making all the subjects requirements N/A.

807.2 SHALLOW END WATER DEPTHS

The design water depth as measured at the shallowest point in the shallow area shall be not less than 33 inches and not greater than 4 feet. Shallow area designed in accordance with Section 809.6, 809.7 and 809.8 shall be exempt from the minimum depth requirement.

The subject pools have a minimum depth of 3'-8" (44")

808 DIVING EQUIPMENT

N/A The subject pools are non-diving.

809 SPECIAL FEATURES

809.1 SLIDES

N/A The subject pools do not include integral slides.

809.2 ENTRY AND EXIT

Pool shall have a means of entry and exit in all shallow areas where the design water depth of the shallow area at the shallowest point exceed 24 inches at the shallowest point. Entries and exits shall consist of one or a combination of the following: steps, stairs, ladders, Trends, ramps, Beach entries, underwater seats, benches, swim out and other prove designs. The means of entry and exit shall be located on the shallow side of the first slope change.

809.3 SECONDARY ENTRIES AND EXITS
Where water depth in the Deep area the pool exceeds 5 feet, a means of entry and exit shall be provided in the deep area of the pool.

The subject pools have an underwater seat in the deep end.

809.4 OVER 30 FEET WIDTH

N/A The subject pools are not in excess of 30' in width.

809.5.1 TREAD DIMENSION AND AREA

Treads shall have a minimum of unobstructed horizontal death of 10 inches and a minimum unstructured surface area of 204 square inches.

N/A The subject pools have a minimum of unobstructed horizontal death of 10 inches and a minimum unstructured surface area of 240 square inches.

809.5.2 RISER HEIGHTS

Risers, other than the top and bottom riser shall have a uniform height of not greater than 12 inches (305 mm). The top riser height shall be any dimension not exceeding 12 inches (305 mm). The bottom riser height shall be any dimension not exceeding 12 inches (305 mm). The top and bottom riser heights shall not be required to be equal to each other or equal to the uniform riser height. Riser heights shall be measured at the horizontal centerline of the stairs.

The subject pools have a typical riser height of 12" and top risers of 8".

809.5.3 ADDITIONAL STEPS

In design water depths exceeding 48 inches, additional steps shall not be required. The subject pools meet this requirement.

809.6 BEACH AND SLOPING ENTRIES

N/A The subject pools do not include beach and sloping entries.

809.7 STEPS AND SLOPING ENTRIES

N/A The subject pools do not include step and sloping entries.

809.8 Architectural Features

N/A The subject pools do not include architectural features.

809.9 MAXIMUM DEPTH

The horizontal surface of the underwater seats, benches and swimouts shall be no greater than 20 inches (508 mm) below the design waterline.

N/A The subject pools meets this criteria.

810.1 TURNOVER RATE

The circulation system equipment shall be sized to provide a turnover of the pool water not less than once every 12 hours. The system shall be designed to provide the required turnover rate based upon the manufacturer's specified flow rate of the filter, with clean media condition of the filter.

The subject pools provide a turnover of the pool water not less than once every 12 hours.

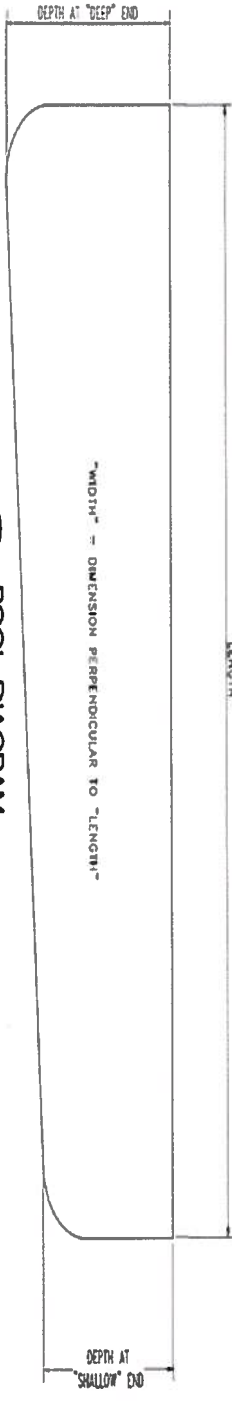
810.2 STRAINER REQUIRED

Pressure filter system shall be provided with a strainer located between the pool and the circulation pump.

The subject pools provides a strainer located between the pool and the circulation pump.

811.1 ROPE AND FLOAT

The subject pools do not have a break in the floor slope.



NOTES:

1. THE FIBERGLASS POOL SHELL BE MANUFACTURED BY BARRIER REEF POOLS & INSTALLED BY QUALIFIED & LICENSED POOL CONTRACTOR. THE POOL SHALL BE INSTALLED PER THE "BARRIER REEF INSTALLATION MANUAL".
2. POOL SHALL CONFORM TO REQUIREMENTS OF ISPSC 2015 AND FLORIDA BUILDING CODE, 6TH EDITION, 2017 (FBC) ACCESSIBILITY, FBC BUILDING, FBC RESIDENTIAL, AND ANSI/APSP/ICC-3, ANSI/APSP/ICC-4, ANSI/APSP/ICC-5, ANSI/APSP/ICC-6 AND ANSI/APSP-7, ANSI/APSP-15, AND THE ADOPTED NATIONAL ELECTRIC CODE 2014 (NEC) AND CHAPTER 42 AND CHAPTER 45 OF THE 6TH EDITION OF THE FBC, 2017, RESIDENTIAL.
3. THE POOL SHELL MAY BE DAMAGED IF THE POOL WATER IS DROPPED BELOW NORMAL OPERATING LEVEL. CONSULT THE MANUFACTURER PRIOR TO EMPTYING THE POOL.
4. POOL SHALL BE BACKFILLED WITH GRANULAR BACKFILL WITH 100% PASSING THE 1" SIEVE AND A MAXIMUM OF 10% PASSING THE #200 SIEVE. BED SHALL BE PLACED ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 1,500 PSF. WALLS SHALL BE BACKFILLED WITH GRANULAR BACKFILL WITH 100% PASSING THE 1/2" SIEVE AND A MAXIMUM OF 10% PASSING THE #200 SIEVE. BACKFILL SHALL BE INSTALLED IN 1 FT LIFTS.
5. STEPS AND LADDERS SHALL BE PROVIDED PER CODE. INSTALLATION CONTRACTOR SHALL PROVIDE POOL DECK & POOL BARRIERS AS REQUIRED BY LOCAL CODE. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI & SHALL BE BONDED TO THE GROUNDING GRID WITH APPROVED UL LISTED CONNECTOR & #8 SOILED COPPER WIRE.
6. CONCRETE SHALL BE MIN. 3,000 PSI AT 28 DAYS.

Pool Name	Length	Width	Gallons	X
Atlantic 4 (29)	29'	12'	11,200	
Atlantic 5 (25)	25'	11'6"	8,600	
Coral Sea 1 (40)	40'	15'2"	19,200	
Coral Sea 2 (35)	35'	15'2"	16,000	
Coral Sea 3 (31)	31'2"	15'2"	13,700	
Daydream (40)	40'	14'1"	15,400	
Daydream (33)	33'	14'1"	12,200	
Granite 1 (35)	35'1"	13'9"	16,200	
Granite 2 (29)	29'	13'9"	12,200	
Granite 4 (23)	23'	11'8"	7,400	
Milano	23'	11'	5,500	
Opal	21'2"	11'4"	5,000	
Outback 1 (30)	30'	11'3"	9,800	
Outback 2 (23)	23'	11'3"	7,300	
Outback Dundee	30'	14'	12,400	
Outback Dundee Lounger	30'	14'	12,200	
Outback Escape	17'	8'6"	3,400	
Oyster 1 (30)	30'	14'9"	11,000	
Oyster 2 (27)	27'	13'7"	8,600	
Pacific 1 (39)	37'9"	14'1"	15,800	
Pacific 2 (5 (34)	33'9"	14'1"	15,800	
Prize	16'8"	10'	3,100	
Southernport 1 (33)	33'5"	14'1"	14,500	
Southernport 2 (28)	28'	14'1"	11,500	
Sunbury 1 (29)	29'	14'4"	13,800	
Sunbury 2 (25)	25'	14'4"	11,500	
Whispering Deep (40)	40'	15'8"	23,200	
Whispering 1 (40)	40'	15'8"	22,000	
Whispering 2 (35)	35'	15'8"	18,000	
Whispering 2 Lounger (35)	35'	15'8"	17,800	
Whispering 3 (31)	31'2"	15'8"	15,000	
Whispering Lounger 3 (31)	31'2"	15'8"	14,700	

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2/1/2020

Date

John Duranko, A.R.
103 Williston Rd.
West Palm Beach, FL 33406
FL Lic# AR0011649

Swimming Pool Specification For:
Edward & Mikki Gathercole
178 NW Aurburn Pl.
Lake City, FL 32024
904-716-2652

John Duranko

My Favorite Pool Builder, Inc.
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Lake City, FL 32025
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Scale: None Rev
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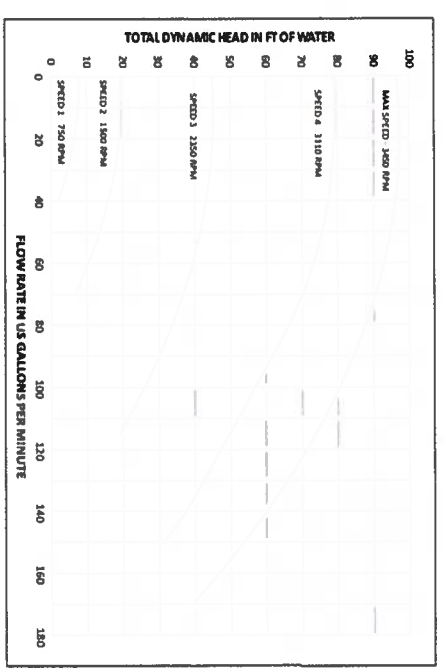
Swimming Pool Energy Efficiency Compliance Information
 NOTE: These Requirements Apply ONLY to Filtration Pumps
 ANSI/APSP/CC-15 2011

Flow Calculations
 Pool water volume **8,600** + 360 = **24** GPM - this is the calculated flow rate
 NOTE: for pools under 13,000 gals. The calculated flow rate or 36 gpm whichever is greater = filtration flow rate

Is there an Auxiliary load on the filter? Yes No
 If so what is the calculated auxiliary flow rate _____ gpm

Pipe Size	6 FPS	8 FPS	10 FPS
1.5"	37 gpm	0.08	50 gpm
2"	62 gpm	0.06	82 gpm
2.5"	88 gpm	0.05	117 gpm
3"	136 gpm	0.04	181 gpm
4"	234 gpm	0.03	313 gpm
6"	534 gpm	0.02	712 gpm

SECTION IV. TECHNICAL DATA (cont'd)
 B-FNS P11 SLOWRATES



Flow rate (low speed) **40** gpm @ **1.5** in. Minimum suction side branch pipe size @ 6 fps
 Minimum return side pipe size @ 8 fps **1.5** in. Minimum return side branch pipe size @ 8 fps

Determine Filter Size:
 Filter Factors (GPM/SF): **0** Cartridge (0.375) **0** DE (2.0) **2** Sand (15)
 Filter Size: **24** (Flow rate) **2** (Filter Fact) **11,944,444** (Filter Size)

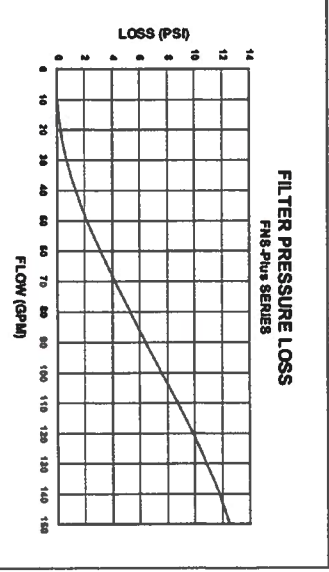
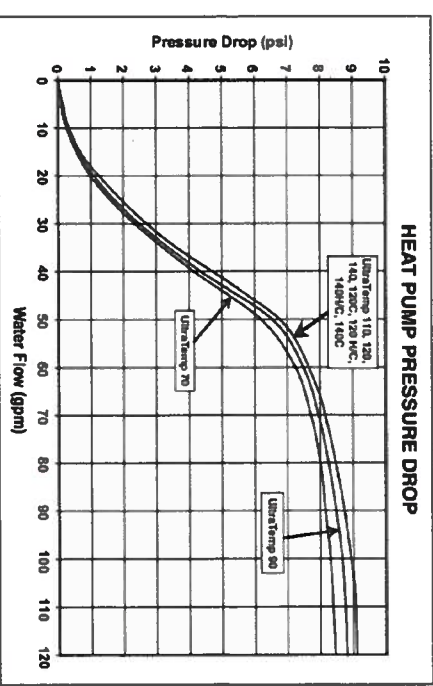
Pump Controls
 Filtration pump has no auxiliary load - standard time clock
 Filtration pump with auxiliary load - Control model for low speed default within 24 hr.
 Filtration pump with auxiliary load - Control model for low speed default within 24 hr.

Pump Model **Pentair 3hp IntelliFlo VSF**
 Heater Model **None**
 Gas Heater efficiency rating **(No Pilot Light)**
 Heat Pump efficiency C.O.P. _____

ANSI 5 & ANSI 7 Compliance Work Sheet

Determine Simplified TDH:
 1. Distance from pool to pump in feet: **120** Pipe size suction _____ 2in Pipe size return _____ 2in
 2. Friction loss (in suction pipe) in (6) **2** Inch pipe per 1 ft. @ **0.06** GPM = _____
 3. Friction loss (in return pipe) in (8) **2** Inch pipe per 1 ft. @ **0.10** GPM = _____

Date **2/1/2020**
 Contractor Signature
 Contractor's Cert # **CPCL459058** Owner Name **Edward & Mikki Gathercole**
 Lake City, FL 32024
 Address **Lake City, FL 32024**
 Scale None
 Contractors Tele# _____
 TDH in Piping **38.4**
 Filter/Heater loss in TDH **Above**
 All other losses **7**
 Total Dynamic Head (TDH) **45.4**



PoolBond PB-2008 Water Bending Fitting
 Follow these Important Safety Instructions

Step 1 Components
 A. PoolBond Casting Part Number PB-2008 with 1" NPT Pipe Thread
 B. Split Bolt Connector, UL rated for Direct Burial.
 C. Solid #8 Copper Wire, not supplied.

Step 2 Fitting Orientation
 ● Install in Pool Plumbing using a Purining Tee.
 ● Always install the PoolBond Tee with the fitting in horizontal or vertically down orientation to avoid trapped air in pool plumbing.

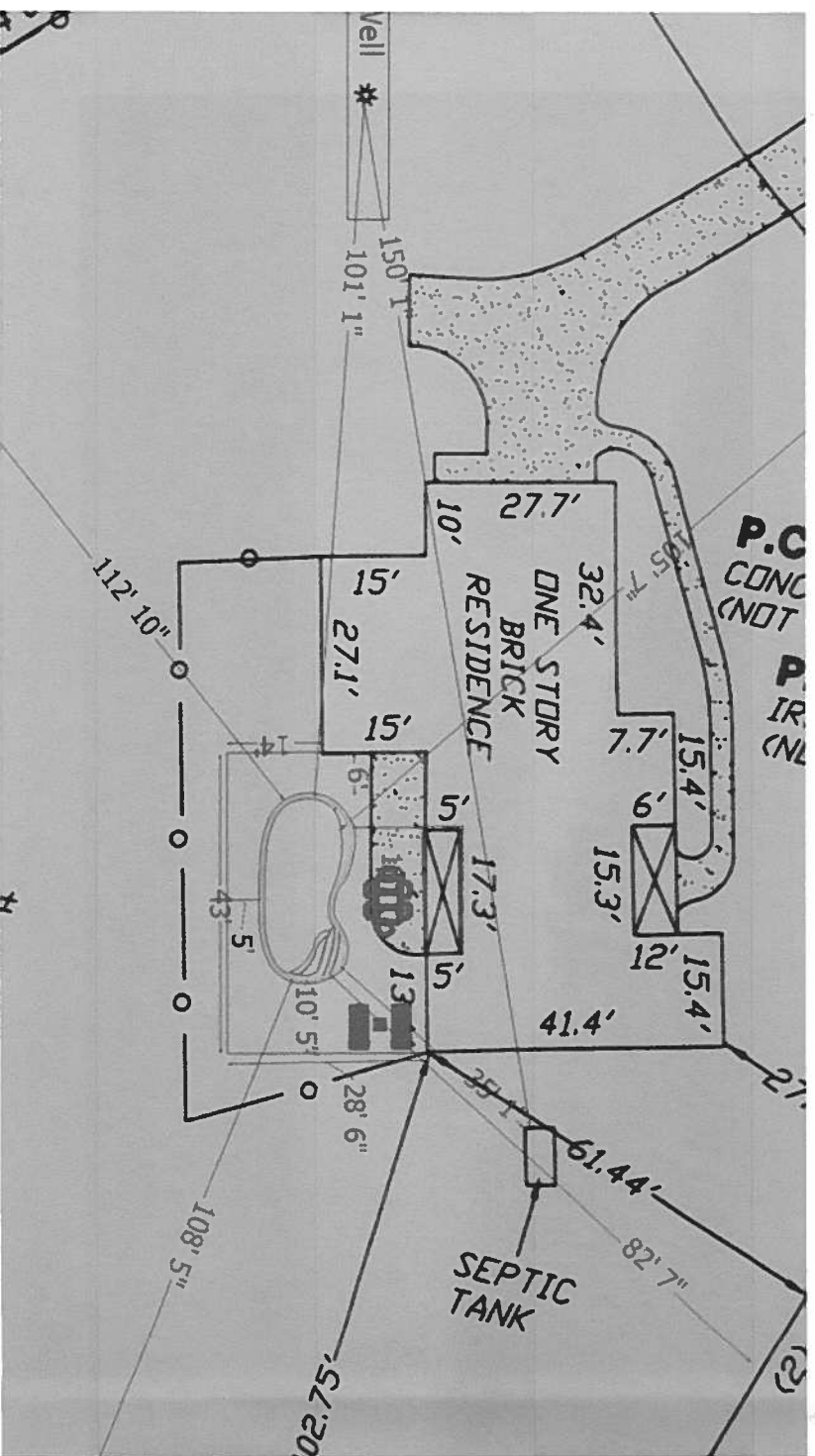
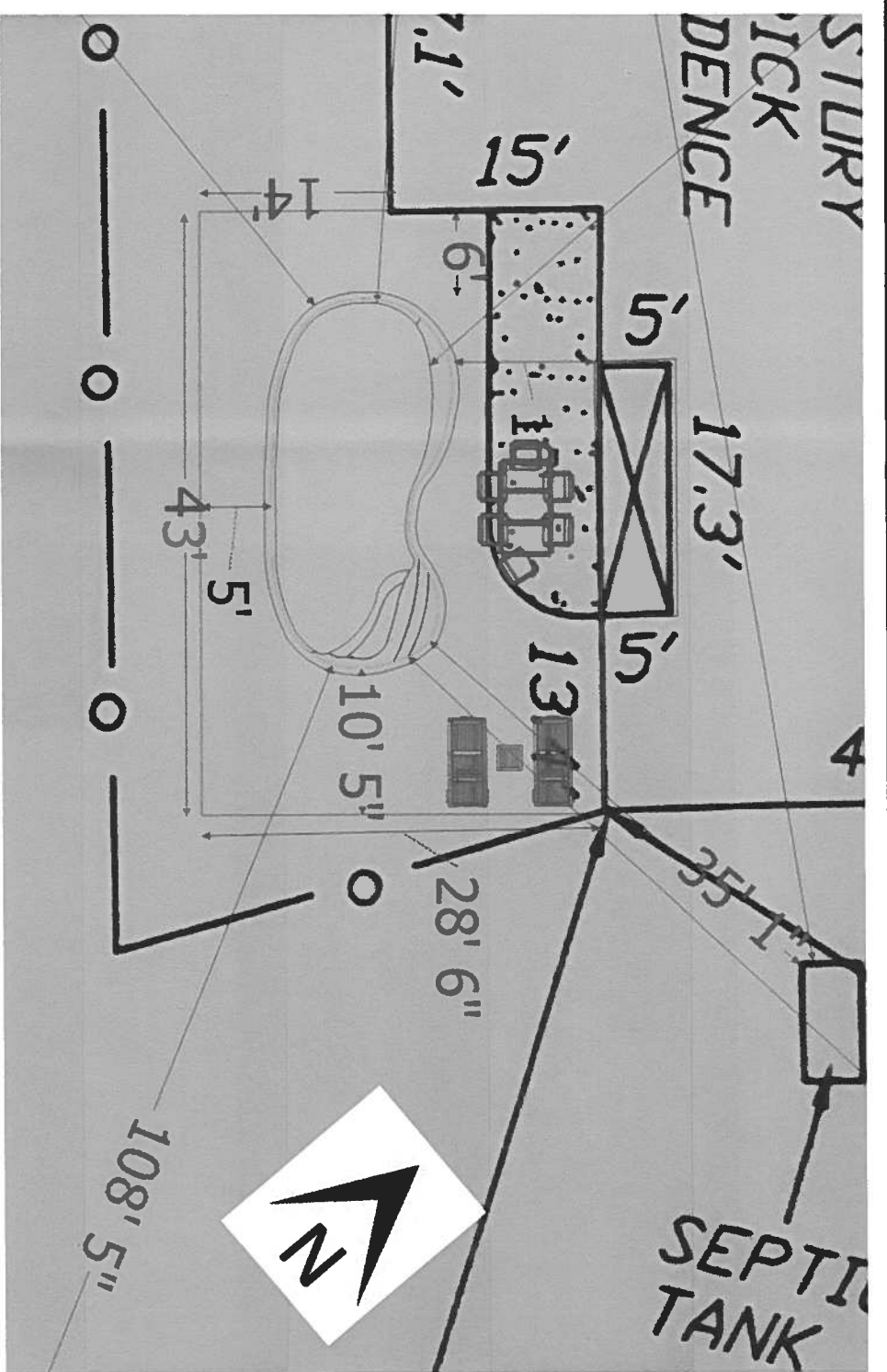
Step 3 Where to Install
 Installed near Pool Equipment OR Installed at Return Fitting
 Installed on In-ground Above Ground Pools, Spa, Tub, & Enclosure.
 ● DO NOT run the PoolBond fitting if it is not accessible for periodic inspection. A splinter valve box provides good access.
 ● IMPORTANT - Install PoolBond fitting at least 3" below water level to ensure the fitting is contained in the pool water even when equipment is shut down.

Step 4 Installing PoolBond
 ● First, install the male threaded fitting in the threaded tee (dry fit) until the fitting just starts to tighten on the threaded tee. Count the number of turns it takes. Document the number and disengage the two parts.
 ● Apply thread sealant. Use Plumber Pipe Dope or Teflon Paste; do not use Teflon Tape.
 ● Reassemble the two parts using the number of turns recorded in the first step and tighten two more turns. Do not over-tighten to avoid damaging the plastic pipe.

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