	Columbi	ia County Swi	mming Pool/Spo	a Permit App!	ication 🗧	500	5
For Office Use Only	Application #	14203	Date Receive	d 12/17	By JW P	ermit#3	9163
Zoning Official	7/1 Date 12	18/19 Floor	Zone <u>×</u>	Land Use	_A8	_Zoning_	A-3
FEMA Map #	Elevation	MFE	River	Plans I	Examiner_	7.0.	Date /2 48-49
Comments							20 50
NO TEH Deed							
Dev Permit #					tor F	W Comp. Id	etter
□ Land Owner Affidav	/it 🙃 Ellisville Wat	ter App Fee	Paid GSub V	F Form			
Notes:	P. ( 10 20						
Septic Permit No.	. 423	Or City Wo	iter System		Fax		
Applicant (Who will sig	gn/pickup the pe	rmit) RICI	K Jours	Le.	Phone	352-	332-766
Address 3601 N	JW 97+ 7	SWD CX	11065VILL	<i>4</i> 17 3	210010		
Owners Name						6. 29	2.3645
911 Address <u>43</u>	4 NW 1	Noege	Rd Lo	ake Cut	14 FL	320	55
Contractors Name $\widehat{\Gamma}$	nichael	Canto		Ph	one 35	2 - 33	2-7665
Address 3601	NW 97h	BUVD	CANCEV	ine fr	. 321	حاده	
Contractor Email 🛵	Jackson .	DURATE	POULTN C.1	50M	Include to	get upda	es on this job.
Fee Simple Owner Nar							
Bonding Co. Name &	Address			*			Madhalanda da sana da sana da sana sana da sana sa sana sa sana sa sana sa
Architect/Engineer Na	ime & Address K	JMES, 8	ENG 399	OSP 6	4-67	brade.	HOU FL
Mortgage Lenders Na	me & Address					nation (in the later) and the later is the later in the l	3420
Circle the correct pow	er company Fl	Power & Ligh	t OClay Elec.	Suwanne	e Valley E	lec. ODu	ıke Energy
Property ID Number <u>3</u>	0-35-16	-02401	-000	Cost of Constr	uction <u></u>	15,0	00
Subdivision Name				Lot	Block	Unit	Phase
Driving Directions 🔱	ON SRO	10 N	ONTO 1	VOEGE	<u>L</u> 44	rous q	
ON LEFT	-				•	• (5)	
The second distance of the second			Res	sidential 😾	OR	Comme	ercial
Construction of NG	POUND CON	CRETE -	POOL AD	A Compliant_		Total Acı	eage <u>5.8</u> 9
Actual Distance of Poo	ol from Property Lir	nes - Front	85 Side	155 sid	e <u>180</u>	Rear	85
Application is hereby n installation has comme of all laws regulating c	made to obtain a enced prior to the	permit to do v	work and installe	ations as indic at all work be	cated. I ce performed	rtify that no I to meet t	he standards
CODE: Florida Building	Code 2014 and th	ne 2011 Nation	nal Electrical Co	de tu	SEN	enal	12.18.1

Page 1 of 2 (Both Pages must be submitted together.)

Revised 7-1-15

### **Columbia County Building Permit Application**

<u>TIME LIMITATIONS OF APPLICATION:</u> 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.

**<u>TIME LIMITATIONS OF PERMITS:</u>** 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 properly for payment, even if you have paid your contractor in full. This means if a lien is filed against your properly, 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.

**Print Owners Name** 

\*\*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 CPC 145 7306

Columbia County

**Competency Card Number** 

Affirmed under penalty of perjury to by the Contractor and subscribed before me this

Personally known V or Produced Identification

Tiha & Sennell SEA

State of Florida Notary Signature (For the Contractor)

Notary Public State of Florida Angelia Bennett My Commission GG 257773 Expires 10/23/2022

Page 2 of 2 (Both Pages Mest Se solsmitted to gether.)

Revised 7-1-15

1000	
NOTICE OF COMMENCEMENT	Inst: 201912029400 Date: 12/17/2019 Time: 11:19AM
***	Page 1 of 1 B: 1401 P: 907, P.DeWitt Cason, Clerk of Court Colur County, By: KV
This Instrument Prepared By:	Deputy Clerk
Name: Fun State Pools, Inc.	Fany Civila
Address: 3601 NW 97 Blvd G'ville FL 32606	eg H
Permit No:	401-000
STATE OF: Florida	10. 000
COUNTA COLOWBIA	5. 11 15
THE LINDERSIGNED HEREBY gives notice that improve	model will be an extended to the second
Statutes, the following information is provided in this Notice	nent(s) will be made to certain real property, and in accordance with Chapter 713, Florida
1 DESCRIPTION OF PROPERTY: Short Address	134 NW NOECEL ED LAKE CITY
Lord Description	-35 - WORLE CO LANCE CITY
Legal Description. Correcting 450	-33-16-02901-000
2. GENERAL DESCRIPTION OF IMPROVEMENT(S):	12 GROUND CON CRETE POOL
3. OWNER INFORMATION: a.) Name: Ruan	ROBINSON Address: 437 NW NOLGE &
b.) Interest in Property: Fee Simple	AddressAddress
c.) Fee Simple Titleholder (if other than owner) Name:	CHE CHYPL
	Address
4. CONTRACTOR: a.) Name: Fun State Pools, Inc	Address: 3601 NW 97 Blvd G'ville 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/Ab.) Phone: N/A
7. Persons within the State of Florida designated by O	wher upon whom notices or other documents may be served as provided by Section
713.13(1)(a) 7., Florida Statutes:	Section
a.) Name: <u>N/A</u>	ddress: N/A b.) Phone: N/A
8. In addition to himself. Owner design stee the following	ng person(s) to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b),
Florida Statutes.	g personals) to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b),
a.) Name: N/A	dress: N/A b.) Phone: N/A
	b.) Phone: N/A
9. Expiration date of notice of commencement (the expi	ration 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 T	HE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE
PAYING TWICE FOR MURROVEHEUTS TO YOUR PRO	THE NOTICE OF COMMENCEMENT ARE SET 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR DEBTY. A NOTICE OF COMMENCEMENT ARE
THE JOB SITE BEFORE THE FIRST INSPECTION III	PERTY, A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON FYOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN DING YOUR MOTHER OF COMMENCEMENT MUST BE RECORDED AND POSTED ON FOUND INTENDED ON THE NOTICE OF COMMENCEMENT.
ATTORNEY BEFORE COMMENCING WORK OR RECOR	
	,
	4.11 -
	19 Jehan
	Signature of Owner or Owner's Authorized Officer/Director
	Partner/Manager
	Circulant Till 101 Oll Men
	Signatory's Title/Office
	12/1 . 2.19
The foregoing instrument was acknowledged before me th	of day of fully of (year)
by (name	of person) as(type of authority, e.g. officer,
trustee, aftorney in fact) for	(name of party on behalf of whom instrument was executed)
K152-121-82-4	57-0 was executed).
JE 14 02 1	
	(m) 1 1 4
<i></i>	- Lifelier Sennix
Notary Public State of Florida	Signature of Notary Public - State of Florida Print, Type, or Stamp Commissioned Name of Notary Public
Angelia Bennett My Commission GG 257778	Commission Number:
Expires 10/23/2022	Personally Known or Produced Identification
	<b>)</b>
<u>Verincation P</u>	disuant to Section 92,525, Florida Statutes
Under penalties of periury, I declare that I have read th	e foregoing and that the facts stated in it are true to the best of my knowledge and
belief.	and the true races stated in it are true to the best of my knowledge and
	Aug Bll -
E.	To the Man Man
	Signature of Natural Person Signing Above

Google Maps

### Columbia County Property Appraiser

Parcel: < 30-3S-16-02401-000

	_
•	1
	( >> )
_	-month

Owner & P	roperty Info	Resul	t: 2 of 2
Owner	ROBINSON RY 434 NW NOEGE LAKE CITY, FL	EL RD	ER R
Site	434 NOEGEL R	D, LAKE CITY	¥5
Description*	COMM NE COR 0 169.62 FT TO W 401.06 FT FOR P 650.32 FT, N 396. ORB 589-739, 59 1288-1928,	R/W OF NW NO OB CONT S 396 40 FT, E 643.39	EGEL RD, S .56 FT, W FT TO POB.
Area	5.89 AC	S/T/R	30-3S-16
Use Code**	IMPROVED A (005000)	Tax District	3

The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

### **2020 Working Values** updated: 11/27/2019

Proceedings of the process of the pr	<b>②</b> 2019	0 2016	O 2013	O 2010	O 2007	O 2005	☑ Sales
	32.4	图 12.25	1927 : 12		1576315		r   10.00

**Pictometery** 

**Aerial Viewer** 



### **Property & Assessment Values**

2019 Cer	tified Values	2020 Wor	rking Values
Mkt Land (1)	\$5,568	Mkt Land (1)	\$5,568
Ag Land (1)	\$1,882	Ag Land (1)	\$1,882
Building (1)	\$183,505	Building (1)	\$184,690
XFOB (1)	\$2,004	XFOB (1)	\$2,004
Just	\$218,305	Just	\$219,490
Class	\$192,959	Class	\$194,144
Appraised	\$192,959	Appraised	\$194,144
SOH Cap [?]	\$13,292	SOH Cap [?]	\$9,143
Assessed	\$179,667	Assessed	\$185,001
Exempt	HX H3 \$50,000	Exempt	нх нз \$50,000
Total Taxable	county:\$129,667 city:\$129,667 other:\$129,667 school:\$154,667		county:\$135,001 city:\$135,001 other:\$135,001 school:\$160,001

Sales Hist	tory					2
Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
2/2/2015	\$100	1288/1928	WD	٧	U	11
2/27/1997	\$0	835/1147	WD	V	U	02 (Multi-Parcel Sale) - show

<b>▼</b> Building Cl	haracteristic	s	<del>-</del>			
Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SINGLE FAM (000100)	2015	2439	3467	\$184,690

<sup>\*</sup>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)

<sup>&</sup>quot;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.

#44203



STATE OF FLORIDA DEPARTMENT OF HEALTH ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM

PERMIT NO.	19-0923
DATE PAID:	12/19/19
FEE PAID:	100.00
RECEIPT #:	L4X 8440

APPLICATION 1	FOR CONSTRUCTION PE	RMIT	1. 148 8440
APPLICATION FOR: [ ] New System [ ] Ex [ ] Repair [ ] Ak	cisting System [ condonment [	] Holding Tank [ ] Temporary [	] Innovative
APPLICANT: RUAN RO	BINSON		
AGENT: RICK JOHN	402	TELEPH	ONE: 352 372 441.
MAILING ADDRESS: 3601 No	N973WD GA	incovince F	
TO BE COMPLETED BY APPLICANT BY A PERSON LICENSED PURSUANT APPLICANT'S RESPONSIBILITY TO PLATTED (MM/DD/YY) IF REQUEST	TO 489.105(3)(m) OR 40 PROVIDE DOCUMENTATION CING CONSIDERATION OF 89	89.552, FLORIDA STA OF THE DATE THE LO	TUTES. IT IS THE T WAS CREATED OR R PROVISIONS.
PROPERTY INFORMATION			
LOT: BLOCK: 8	SUBDIVISION:		PLATTED:
PROPERTY ID #: 30-35-16	-02401-000 ZONING:	RES I/M OR EC	QUIVALENT: [Y N)
PROPERTY SIZE: 5.89 ACRES	WATER SUPPLY: [/] PRIV	VATE PUBLIC [ ]<=	2000GPD [ ]>2000GPD
IS SEWER AVAILABLE AS PER 381	.0065, FS? [ Y /N]	DISTANCE	TO SEWER: FT
PROPERTY ADDRESS: 434 No	NOECKL RO 1	vake city to	,
DIRECTIONS TO PROPERTY: W			
BUILDING INFORMATION	[X] RESIDENTIAL	[ ] COMMERCIAL	
Unit Type of No Establishment	No. of Building C Bedrooms Area Sqft	Commercial/Institut Table 1, Chapter 64	ional System Design E-6, FAC
1 INCROUND POOL	~1800		
3			
4			
[ ] Floor/Equipment Drains	[ ] Other (Specify)		
DH 4015, 08/09 (Obsoletes pre	vious editions which ma	DATE	E: (() 7   19

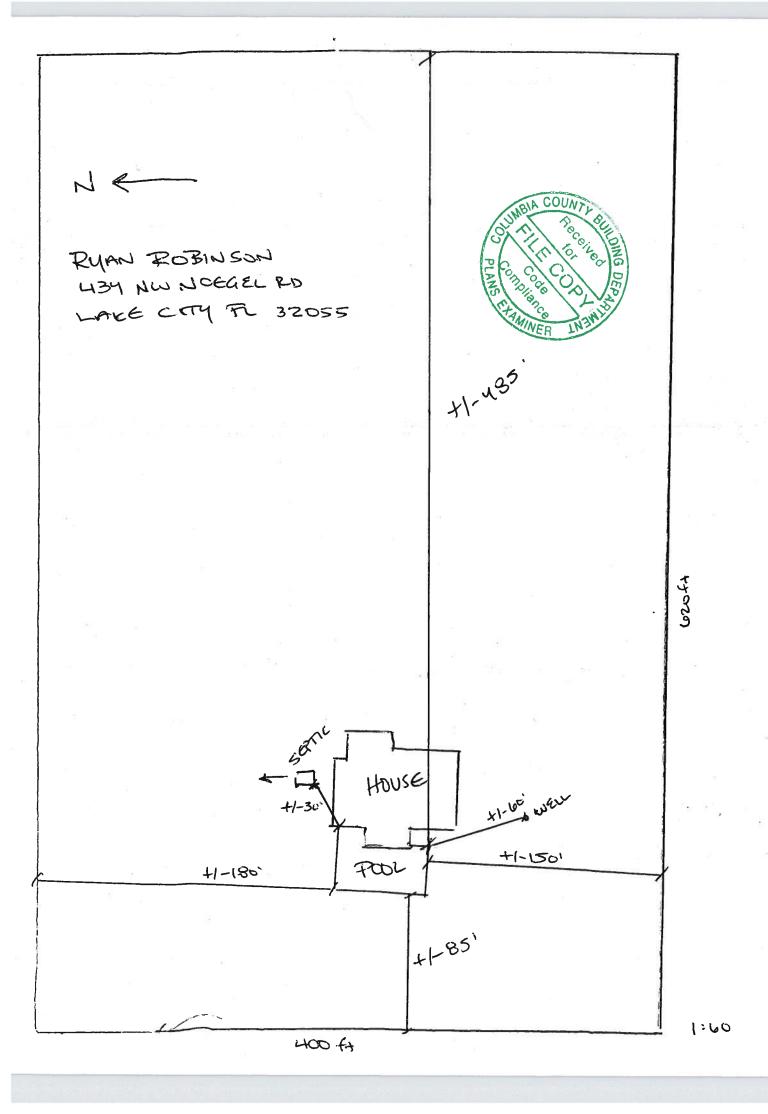
Incorporated 64E-6.001, FAC

Page 1 of 4

19-0903 RYAN ROBINSON 434 NW NOEGEL PD LAKE CMY PL 32055 HOUSE +1-1501 POOL 41-180, 1+185' 1:60 400 ft

### STATE OF FLORIDA DEPARTMENT OF HEALTH APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0924 Scale: Each block represents 10 feet and 1 inch = 40 feet. Notes: \_ Site Plan submitted by: RUC JOHNSON Plan Approved **Not Approved** County Health Department ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT DH 4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC (Stock Number: 5744-002-4015-6) Page 2 of 4



### TOTAL

### **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

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, how tubs, or non-portable spas containing water over 24 inches deep to meet the following pool barrier safety feature	ot
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 selfclosing, 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

dress: 434 NW NOEGEL ROAD

Contractor Signature / Date

CPC1457300

License Number



### TUNSTATE POOLS CONTRACTOR

Owner: RYAN ROBINSON

Address: 474 NO NOEGEL RA

	STATE SPECIFIC INFOR	MATION FOR CO	MPLIANCE WITH A	NSI/APSP-7		
ETHOD OF DETERMINI	NG ANSI 7 PUMP FLO	W	301 1 3		Dec-11	
	Max Flow	Hom Pump Curv			Detailed	
	985 B	np Curve Attache		Calc	Curve &	Calc
, gen , T	SUCTION OUTLET		TION PUMP	1 1 m	¥ 50	El .
90.	Manufacturer & Mode		Hair USA			
		Pump Flow from	Pump Curve with me	ethod indicate	d: 1	GPM
Maximum Pump Flow f	or sizing Branch Pipe	& Suction based	on number of Suction	n Outlets use	d :	GPM
VIAAIIII OIII V		Atthuman				INCH
	LISTED SUCT	TON OUTLET CO	VER/GRATE- POOL O	ULET		77
Number of Suction Ou	utlets:		nufacturer & Model:	water	way b	170-132
APPR	OVED Maximum Out	let Flow (GPM)	Floor flow:	Wali flo	w:	
	TRUN	K/SUCTION PIPE	SIZING- ANSI 7 FLOW	1	E (E)	<b>1</b> 88
- E		Minimum Trun	k Pipe Size given flor	w @ 8 FP\$		nch Pipe
		FOR: SPA			÷ (*)	£l
180	SUCTION OUTLET			<i>/</i> 1		. 9
	Manufacturer & Mod	iei			4 W. Village	51 470
1		Pump Flow from	Pump Curve with it	nemoù maicat Ion Outlete us	eo:	GPM
Maximum Pump Flow	for sizing Branch Pipe	6 & Suction pasei	Labe to Isamun no p	iun Cuucia ugi	2	GPM
	202	Minimun	n Branch Pipe Size gr	ven nowat 6 F	PS:	INCH
	LISTED SU	CTION OUTLET CO	OVER/GRATE- SPA O	UTLETS		ld.
Number of Suction O	outlets:		Manufacturer & Mo	del:		. 10
APP	ROVED Maximum Ou	itlet Flow (GPM)	Floor flow:	Wall fi	ów:	GPM
	TRU	NK/SUCTION PIPE	SIZING-ANSI 7 FLO	W	d),	<b>+</b> .(
		Minimum Tru	nk Pipe Size given flo	OM @ 8 FP2	144	Inch Pipe
				PIPE	SIZE "INCH"	
ANSI 15 FLOW=	GPM	OTUED DID	E SIZE SUMMARY_	FULL FL		SPLIT FL
	01/10 AS AED		15 FLOW @ 6 FPS :	73.19		_w = = =
	SKININER	SOCION MISS	15 FLOW @ 8 FPS:	77.10		<u>.</u>
	FILTRATION RE	I OUM SIDE WISH	5 FLOW @ 10 FPS:	MIN 1.5		<u> </u>
GPM SPA	AUXILIARY RET	LIBN CIDE- WASI	5 FLOW @ 10 FPS:	MIN 1.5		
GPM				TYP 1-1/2		£
OPT	IONAL VACUUM OR S	SWEEP LINE- ANS	15 FLOW @ 8 FF3:	117 1-1/2		
NOTES:		1987 F 1989	v (ph. prop. 1755) Story		(* 1.7) (* 1.7)	
		1	""""。			
				11/-1		

COUNTY BU	LO				
132	2~1				•
FILE CO	DEPA	. 1	5   p 2		
To Line	EYO		NSTAT	E Pools	
o Compliance	7.5/		RACTOR		
AAMINE	Worksheet showing da	ta for compliance	with ANSI/APS	iP- 15	
Owner: Purn	RUBINSUN	Address; 4	34 NW 1	LOEGIEL PLP Lot:	
ANSI 15 Filtration Flow			Area:		
Volume of Pool Area	500 x Avg Depth		ol in CF	2800	
Vol in CF x 7.4	57	GALLONS	2.5		
Calculate Maximum Filtration  ANSI 15 Auxiliary Flow	ou Flow Kate: Lool Aolume	e/ 360 = <u>S</u>	GPM [if	<13,000 MAY use 36 g	oml
Calculate Maximum Auxilia	ry Load Design Flow Rate:		IVIAT US	LESS THAN THIC ARAY	ia
	Number Spa Jets X 7 to	15 GPM =	IF AT LES	SI ANSI 5 12 HR TURN	OVER
				GPM	2 8 8 3
	Or Water Feature Flow:		GPM	the state of the s	VINASORENIA
ANSI 15 Flow	ACTUAL TURNOVER AT A	NSI 15 FLOW=	HR	IF LESS THAN 40 AM	
ANSI 15 Flow:	GPM [maximum AN	SI 15 Filtration Flo	w, minimum 12	IF LESS THAN 12 HR M	EETS ANSI
Curve A or C listed flows: Cu  Pump Make & Model:	Pentanz V			Outed to ANSI 15 AUXI	liary Flow.
Pump Flow Rate(s) from List		11 0	SPM, & @ High	Speed 13	Chie
Pump Control: Filtration Pur		H(a, tim	e clock to be in:	stalled.	GPM
Filtration Pum	p with auxiliary load: Cont	rol for low speed o	lefault w/in 24 i	Pertair Vs	+5VK5
Size filter on "FILTRATION FI				Make/model	ined
Filter Rates: Cartridge= 0.37		DF= 2 apm /cf			
Filter size: ANSI 15 Flow	58 GPM / :	3 チラ gpm/sf:		SE Ast	1 2
(see poo	l plan for filter model or sh	now here:	6 - vi la	or Min Filter Size	E) 19
ANSI 7 FIOW See Site Specific	Information Shoot		유사에서 그 없는 그리카에에		]
ANSI 5 Flow: Depending on selected pump curve for the	the pipe, use any of the AN ANSI 5 Flow.	ISI 15 Filtration, or	ANSI 15 flows	or the flow at 60 ft TDH	on the
See flow vs velocity vs pipe sizes on			1 E	a	
HEATER MODEL:		/		illi:	
GAS HEATER EFFICIENCY R	ATING:	/	with no pilot I	oht India mana	
HEAT PUMP EFFICIENCY C.	O.P.;	7	[min 4.0]	Erre [min 78%]	•
CONTRACTOR SIGNATU	IRE:	DATE	: 11 (2	1.9	

 $\triangleright$ 

138 238

184 317 119

90 90 90

51 84

## 6TH ED, ALL VOLUMES COMPLIES WITH 2017 FBC

**JOTES**:

ANSI 5 Pressure Suction Branch PIPE SIZE CRITERIA (FPS) ω  $\infty$ 

ANSI 15 ANSIZ œ

SURFACE SKIMMER

• (1) MIN PER 800 SF
• SUCTION MIN SIZE "ANSI 15 FLOW" @ 6 FPS
• MAY BE OMITTED IF "NEGATIVE EDGE" OR
OTHER WEIR USED

W

PUMP SIZED BY ANSI 15
SELECTED FROM APSP LISTING
AT "ANSI 15 FILTRATION FLOW"
(AT LOW SPEED)

(4) PIPE DIA, MIN, STRAIGHT PIPE SIZED BY "ANSI 15 FLOW" @ 6 FPS

MIN. FILTER SIZE @ "ANSI 15 FLOW"

MIN. 18" STRAIGHT (HORIZ, OR VERT.)
FOR FUTURE SOLAR PRIOR TO HEATER

RECIRCULATION RETURNS MIN SIZE "ANSI 15 FLOW" @ 8 FPS

SWIMOUT WHEN POOL DEPTH EXCEEDS 5 FT

SKIMMER SUCTION MIN SIZE "ANSI 15 FLOW" @ 6 FPS

IF NO WEIR OVERFLOW TO POOL, A SKIMMER MUST BE USED IN SPA SPA WEIR
NOTE: CONT. (3) #3 STEEL OF SPA
BEAM VERTICALLY DOWN & UNDER
THE ELEVATION OF THE SPA WEIR

- SUCTION OUTLETS "ANSI 7 FLOW".
- DRAIN BRANCH PIPING MIN SEE
"ANSI 15 FLOW" @ 6 FPS

PROXIMITY TO STRUCTURE

FBC NO LONGER REQUIRES EXCAVATIONS OUT OF THE "ANGLE OF REPOSE PLUS 1 FT". THE CURRENT REQUIREMENT IN 2017 FBC 6TH ED, SECTION 1804.1 STATES THAT "EXCAVATIONS SHALL NOT REMOVE"

PIPE FLOW AT GIVEN VELOCITY (GPM)

ESTIMATED/ DESIGN" FLOW

'ANSI 5 FLOW": 12 HR TURNOVER OR OTHER

'ANSI 15 AUXILIARY FLOW": GREATER OF SPA JET OR OTHER FEATURE FLOW

"ANSI 7 FLOW": DETERMINED BY 1 OF 3

DRAIN BRANCH - MIN. SIZE MIN. SIZE STEPS "ANSI 15 FLOW" @ 6 FPS

OPTIONAL VACUUM FITTING MUST HAVE SPRING LOADED COVER

"ANSI 15 FILTRATION FLOW": 6 HR

METHODS (E.G. MAX FLOW)

TURNOVER, MIN 36 GPM

LATERAL SUPPORT FROM ANY FOUNDATION." THEREFORE THE FOLLOWING IS REQUIRED:

- ENGINEER SHALL PROVIDE A MITIGATION SPECIFICATION, EITHER TO PROTECT THE FOUNDATION DURING EXCAVATION OR STRENGTHEN THE SHELL FROM STRUCTURE LOADS.
- CONTACT THE ENGINEER FOR MITIGATION SPECIFICATIONS.
  IF AFTER EXCAVATION THE CONTRACTOR OR INSPECTOR FIND A LOSS OR THREATENED LOSS OF SOIL SUPPORT AT THE FOUNDATION, CONTACT THE

### SEE ANSI 5 FOR STEP REQUIREMENTS တ COUNTY

DIRECTIONAL WALL RETURN (TYP)
MIN (1) PER 300 SE

WATER DEPT

# WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN WATER DEPTH, NO MITIGATION OF THE SHELL STRUCTURE IS REQUIRED. WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GRATER THAN THE WATER DEPTH, THERE IS NO SHORING OR FOUNDATION SUPPORT INITIALLY

WHEN THE POOL DECK DISTANCE IS LESS THAN THE WATER DEPTH, THE

IF DURING EXCAVATION, SOIL CONDITIONS APPEAR TO LEAD TO LOSS OF FOUNDATION SUPPORT, THE CONTRACTOR SHALL CEASE EXCAVATION AND

ENGINEER FOR A MITIGATION SPECIFICATION.

"ANGLE OF REPOSE"
OR SEE CONTRACTOR PLAN

SCALE: N.T.S

VATER DEPTH

DEPTH

functioning system.

Pool piping shall hold a static water or air pressure not less than 35 psi for 15 minutes, per R4501.12.1

Pools shall have pumps selected to provide minimum 12 hr. turnover & maximum 6 hour turnover.

This plan is schematic & piping shall be connected to provide a

- Determine pipe sizing from attached work sheets. Spa piping determined from attached work sheets. The dual main drains shall have a minimum separation of 3 ft,
- unless one is located on the vertical wall or a single unblockable drain is used.

   All suction covers shall meet ANSI/ASME A112.19.8-2007

   All piping shall be NSF-PW approved & meet the requirements of Florida Building Code 6TH Ed, 2017.

   Electrical equipment, wiring, & installation shall conform to the National Electrical Code 2014 Edition.

   Bonding of pool steel & light to footing steel shall be continued to & include all pumps & heaters.

   Temporary fencing shall be installed & maintained until permanent child safety features are installed.

   There shall be a passing electrical & child safety final inspection prior to filling the pool or spa with water.

   Pool shall meet the applicable criteria in ANSI/APSP 3,4,5,6,7
- Regardless of the criteria here, the project shall comply with all sections of the FBC 6th Edition Residential, Building, Mechanical, Plumbing & Gas Codes, as applicable respectively & amended. & 15 standards.

SEE INFORMATION ATTACHED TO THIS PERMIT PACKAGE FOR SITE SPECIFIC DETAILS SHOWING ANSI 7 & 15 AND FBC COMPLIANCE

INFORMATION ON THIS SHEET COMPLIES WITH 6TH ED 2017 FBC, LL VOLUMES, INCLUDING 2017 FBC ENERGY CONSERVATION CODE

Fun-State Pools, Inc.

IMES ENGINEERING

Comolising Coop

COD

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This drawing is the property of Kimes Engineering & Management Services, Inc. & is not to be roduced or copied in whole or in part. It is only for the project & gits specifically identified herein & is not to be used on any other project. It is to be returned upon request.

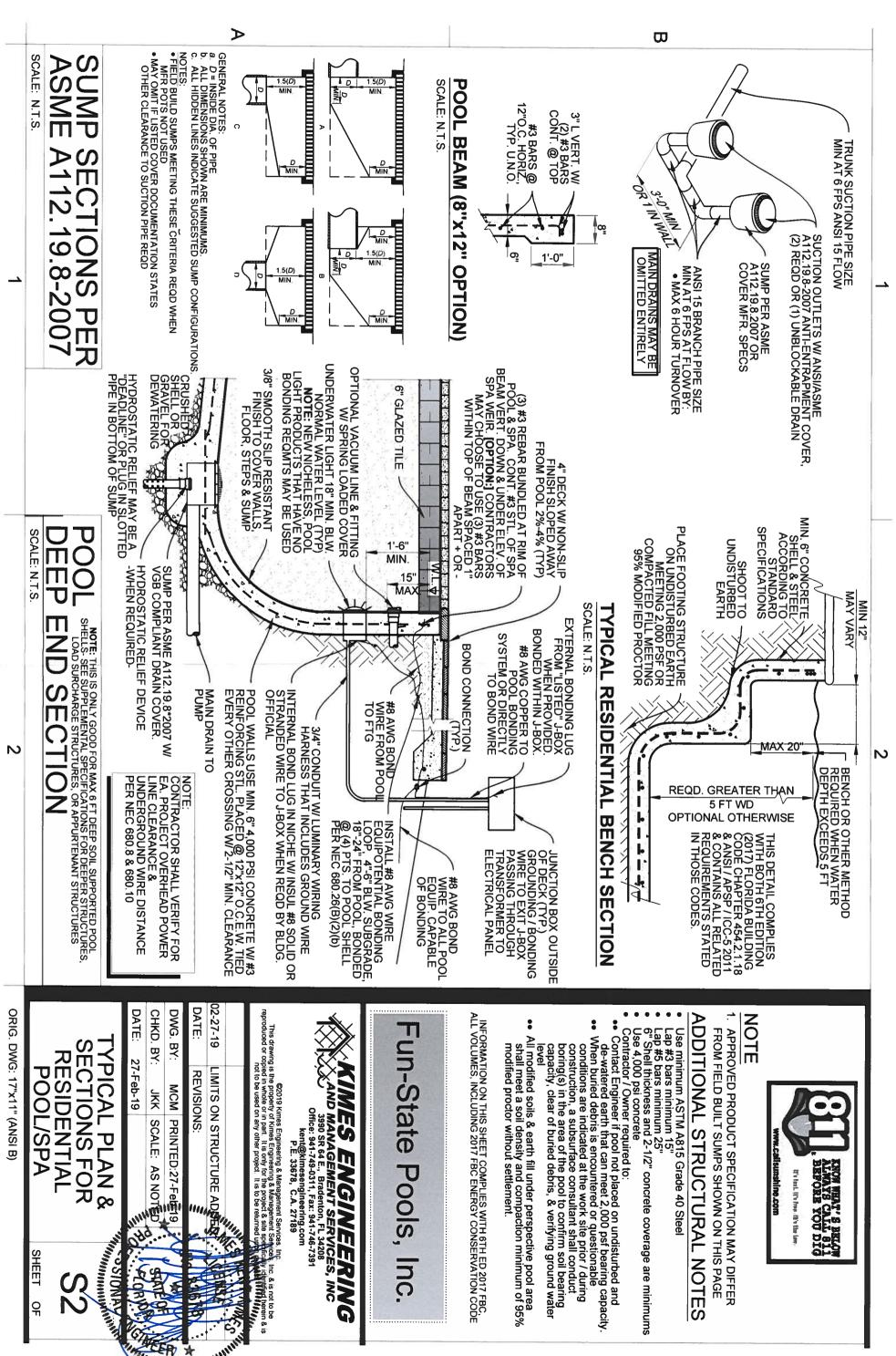
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THE THINK THE	LIMITS ON STRUCTURE ADDI	LIMITS O	02-27-19

SECTIONS FOR RESIDENTIAL YPICAL PLANTA SSION A TONIS FOR THE STATE OF POOL/SPA

SHEET 읶

2

ORIG. DWG: 17"x11" (ANSI B)



ALWAYS CALL SILOW

sunshino.com

It's last it's free, it's the law,

THINK TO LON A Y THE VANOISO

W. WHALEPT

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

# Simplified Total Dynamic Head (TDH) Calculation Worksheet

# Determine Maximum System Flow Rate:

	Minimum
	Flow
	Rote
70	Required:
	35
	gpm
	Per
	Minimum Flow Rate Required: 35 gpm Per Skimmer (
*	r (Required:
	skimmer per 800 st of sunt. area)
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- 1. Calculate Pool Volume: Sign. Area) (App. Depth) x 7.48 (gal./cubic foot) = 209. (vol. in gal.)

  2. Determine preferred Turnover Time in hours: (Hours) x 60 (min. / hr.) = 30 (Turnover in Min.)

  3. Determine Max Flow Rate: (Vol. in gal.) (Turnover Mins.) (Pool Flow Rote) (Feature Flow Rote) (System Flow Rote)

  4. Spa Jets: (No. of Jets) (Jet Flow) (Jet Flow) (Tolol Jet Flow Rote) (Tolol Jet Flow Rote) (Tolol Jet Flow Rote) (Tolol Jet Flow Rote)

(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:

Return Piping to be Trunk Piping to be Branch Piping to be 2 10 inch to keep velocity @ 10 fps max. at inch to keep velocity @ 8 fps max. at inch to keep velocity @ 6 fps max. at 103 gpm Maximum System Flow Rate gpm Maximum System Flow Rate. gpm Maximum System Flow Rate.

### Determine Simplified TDH:

- Distance from pool to pump in feet: 0
- 2. Friction loss (in suction pipe) in 2 inch pipe per 1 ft. 0 9 gpm = 10 \_(from pipe flow/friction loss chart)
- 3. Friction loss (in return pipe) in 6 inch pipe per 1 ft. @ 103 gpm = · 10 (from pipe flow/friction loss chart)
- Return Pipe)

(Length of Suct. Pipe) 

Filter loss in TDH (from filter data sheet): TDH in Piping: 6 4

Heater loss in TDH (from heater data sheet): Total all other loss: 20.08 ł

Total Dynamic Head (TDH): 29.68

using pump curve for TDH & System Flow Rate

SANSton

Pump selection Main Drain Cover いいまといい (Pump model and size in Harsepower) 132×V 4/0 (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:

0 Check all that apply. 3'-0"

0 **©** 

0

0

325

-070

132×V

suction 'outlets @

gpm max. flow (see note 2).

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

547 gpm ₩/ 72 ports (see note 4).

Notes

Maximum Flow Capacity
of the new or replacement pump

blanks on worksheet & attach calculations.

<u>Total Dynamic: Head (TDH)</u> Complete Program or other calcs. Fill in required

Simplified Total Dynamic Hea Complete STDH Worksheet -

Fill in all blanks.

Compliance

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

PSI (Pressure Gauge)

- 2. For side wall drains, use appropriate side wall drain flow as published by manufacturer.
- 3. Insert manufacturer's name and aproved maximum
- 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 changed, and equipment location cannot be moved closer to pool without submitting a revised plan and 10H calculation

n Loss Pe	12	
Foot		
9		**
. 29		•

7010000			Velocity - Fee	Feel Per Second	٦	
C.	6	î	8 fps	ps	10 fps	fpa
-	16 000	0.14°	21 gpm	0.23	26 gpm	0.35
2	13 com	0.06	50 gpm	0.14	62 gpm	0.21
2	62 00	0.06	82 gpm	0.10	103 gpm	0.16
25	62 000	0.05,	117 gpm	0.09	146 gpm	0.13
ų	136 gpm	0.04	181 gpm	0.07	227 gpm	0.10
-	234 gpm	0.03	313 gpm	0.05	392 gpm	0.07
G.	S34 com	0.02	712 gpm	0.03		

may only be used in conjunction with my Residential Swimming Pool Specification Drawings or by others with my written permission.

X Maryer 01/2/11 CACIHET NOME Michael S. Canto Contractors Cert. No.

> Total Head inches Mercury 3 Feet Conversion Chart

IDH Calculation Options For each pump

COLU

COUNTY BU

-Check one.

(Vacuum Gauge)

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

mike@funstatepoolsinc.com Voice (352) 332-7665 Fax (352) 332-0266

Kun St

Michael Canto

332 • POOL

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

RUBN Pool Specification For: ROBINSUN

**Swimming** 

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SPRINKLERS DANNE REROUTE DELANGE CAP DUNC	SPRINK
SLINE OWNER WATERLINE DUCK	GASLINE
POWER LINE DUNCK RELOCATE DUNCK	POWER
ANK OWNE	SEPTIC
CHAMI SAVE CLASE	SHRUBS
EMOVAL SUNS	TREE
NCEOUNT REPLACE FENCEON	REMOVE
	ALUM. A
SCREEN ENCLOSURE SWINGY ROOF SWING DOORS SWING	SCREEN
LLWAY HEATER MAIN BRAIN	SPILLWAY
OWER SKIMMER LIGHT	BLOWER
0	SIZE
SPA SPECIFICATI	20
10	GAS LIN
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as per NEC and all metal within 5' of pool shall be bonded. Equipotential Bonding Grid as per NEC 680-26 (Code)
Note - Pool shall be wired

532-POO

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

Sunsidino S Sunsidino S Sunsidino S Spoo 3714 MAIA COUNTY COP TRULDING DEPT

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