	Olumbia County This Permit Expires One Ye		PERMIT 000026124
APPLICANT BRENT HANDY	I his Permit Expires One Te	PHONE 352.303	
ADDRESS 4190 SW CR	240	LAKE CITY	FL 32024
OWNER TIM KISS		PHONE 752-212	3
ADDRESS 341 NW LA	KE VALLEY TERR.	LAKE CITY	FL 32055
CONTRACTOR BRENT HAN	DY	PHONE 386.303	.928
LOCATION OF PROPERTY		SCENIC LAKE DR., TR ON NW L	AKE
	VALLEY DRIVE AND SITE IS O		
TYPE DEVELOPMENT SWIN	MMING POOL EST	TIMATED COST OF CONSTRUCT	TION 22000.00
HEATED FLOOR AREA	TOTAL ARE	A HEIGH	STORIES
FOUNDATION	WALLSR	OOF PITCH	FLOOR
LAND USE & ZONING RSF	-2	MAX. HEIGHT	
Minimum Set Back Requirments:	STREET-FRONT 25.00	REAR 15.00	SIDE 10.00
NO. EX.D.U. 1 FLO	OD ZONE	DEVELOPMENT PERMIT NO.	
PARCEL ID 22-3S-16-02269-125			
LOT 25 BLOCK	PHASE 7 UNIT _	TOTAL ACRES	0.83
	CPC1456799		
Culvert Permit No. Culvert W		ber Applicant/C	Owner/Contractor
EXISTING X-07-030		JTH	N
Driveway Connection Septic Ta	nk Number LU & Zoning	g checked by Approved for Is	ssuance New Resident
COMMENTS: NOC ON FILE.			
			01 (1217
			or Cash C1363
	FOR BUILDING & ZONING	G DEPARTMENT ONLY	(footer/Slab)
Temporary Power date/app	Foundation	Monoliti	date/app. by
Under slab rough-in plumbing	Slab		thing/Nailing
	date/app. by	date/app. by	date/app. by
Framing	Rough-in plumbing abo	ove slab and below wood floor	
date/app. by Electrical rough-in			date/app. by
date/app.	Heat & Air Duct	date/app. by	(Lintel) date/app. by
Permanent power	C.O. Final	Culvert	dute upp. by
date/app. by		ate/app. by	date/app. by
M/H tie downs, blocking, electricity ar	nd plumbing date/app.	by	date/app. by
Reconnection	Pump pole	Utility Pole	
date/app. by M/H Pole	date/a Travel Trailer	app. by date/a Re-roof	pp. by
date/app. by	da	te/app. by	date/app. by
BUILDING PERMIT FEE \$ 11	0.00 CERTIFICATION FEE	\$ 0.00 SURCHA	ARGE FEE \$ 0.00
MISC. FEES \$ 0.00			
	ZONING CERT. FEE \$ 50.00		VASTE FEE \$
FLOOD DEVELOPMENT FEES	FLOOD ZONE FEE \$	CULVERT FEE \$	FOTAL FEE 160.00
	777		
INSPECTORS OFFICE	10 '	CLERKS OFFICE	

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

For Office Use Only Application # 0707-6 Date Rec	
Application Approved by - Zoning Official Official Date 7	
Flood ZoneZoning	(SF-2Land Use Plan Map Category RLD)
Comments	
Applicants Name Breat Hardy dbs Mod River	
Address 4180 Std CA-240, Lake City, De	
Owners Name Tim Kiss	Phone 386-752-2123
911 Address 341 NW Cake Valley Tot, Cake	
Contractors Name Brent Handy also Mad River Pa	
Address 4190 SW Ch-240 Cake City, AC 320	72.4
Fee Simple Owner Name & Address OA	
Bonding Co. Name & Address U/A	
Architect/Engineer Name & Address	
Mortgage Lenders Name & Address N A	
Circle the correct power company FL Power & Light - Clay	
Property ID Number 22-35 16 02269-125 1	
Subdivision Name Ward boraugh Subdivision	
Driving Directions Lake Jeffery Rd to NW	
lett into subdivision, around curve, Rig	ht onto Cake Valley Rd. to
341 NW Lake Valley Fer on left	
Type of Construction ingrand swimming pool	umber of Existing Dwellings on Property
Total Acreage <u>83</u> Lot Size Do you need a - <u>Culve</u>	rt Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 50+	
Total Building Height XA Number of Stories A He	eated Floor Area Roof Pitch \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Application is hereby made to obtain a permit to do work and installation has commenced prior to the issuance of a permit and all laws regulating construction in this jurisdiction.	
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information compliance with all applicable laws and regulating construction as	
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTILENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF THE PROPERTY OF THE PROPERTY.	END TO OBTAIN FINANCING, CONSULT WITH YOUR
Ourse Builder on A cont (Including Controller)	
Owner Builder or Agent (Including Contractor)	Contractor Signature Contractors License Number CR 1456799
STATE OF FLORIDA COUNTY OF COLUMBIA	Competency Card Number
Sworn to (or affirmed) and subscribed before me	
this 23 day of July 2007.	
Personally known or Produced Identification	Notary Signature Wilson A. STEEN Notary Public, State of Florida Commissione DD 272277
JK Called BrANT 7.31.07 NO	Commission# DD373377 My comm. expires Feb. 06, 2009

NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

*** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. ***

THE UNDERSIGNED hereby gives notice that improvement 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.

Tax Parcel ID Number 22-35-16-02269-125

			property and street address or 911 address)	
<u>ی</u>	71 DW CAR	e Vallay Ter	1 1 2 - 22	
	+ 25, Care	Valley in Woods	braugh, Phase 7 SID	
_ <u>><</u>	iction 22.	Taunship 3 South	Range 16 test	
	let Sook	7, Page 123		
-				
2. Genera	al description of	improvement: ingraind	Swimming pool	
3. Owner	Name & Addres	s Tim Kiss, 30	341 NW Lake Valley Fer	
Lak	e City IC	32055	Interest in Property	
4. Name 8	& Address of Fed	Simple Owner (if other that	ean owner):	
5. Contra	ctor Name <u>Bo</u>	it Hordy also Med	Rive Par Const Phone Number 352-303- 9282	
Addre	ss 4190 SW	CRZYO, Lake C.	sty, FC 3202H	
			Phone Number	
Amou	Amount of Bond inst:290712016377 Date:7/23/2007 Time:9:47 AM 7. Lender Name DC,P.DeWitt Cason ,Columbia County Page			
7. Lender	· Name		DC,P.DeWitt Cason ,Columbia County Page 1 of 1	
Addres	ss	~		
served as	provided by sect	tion 718.13 (1)(a) 7; Florida	the Owner upon whom notices or other documents may be statutes:	
Name_	nane		Phone Number	
Addres			29.00	
			des of	
'			copy of the Lienor's Notice as provided in Section 713.13 (1) -	
10. Expira	ition date of the	Notice of Commencement ((the expiration date is 1 (one) year from the date of recording,	
(Unles	ss a different dat	e is specified)	<u> </u>	
		an i		
NOTICE AS The owner	S PER CHAPTER must sign the n	t 713, Florida Statutes: otice of commencement an	nd no one else may be permitted to sign in his/her stead.	
	01	/ *	Sworn to (or affirmed) and subscribed before	
		1 .	day of, 20 <u>0 7</u>	
	sall V.R	10	*****	
Signat	ure of Owner		NOTAR STAMP/SEALSUNNY L. CRISTELLO Notary Public - State of Florida 1. EMyComminionExplies.Jan 23, 2009	

Signature of Notary



GENERAL DESIGN REQUIREMENTS

DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN ANSI/NSPI 5 RESIDENTIAL IN-GROUND SWIMMING POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.

REQUIREMENTS EANSI/NSPI 5 FOR DIVING WATER ENVELOPES

DES SHALL MEET THE MANUFACTURER'S INSTALLATION

CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.

THE MAXIMUM TURNOVER RATE IS 12 HOURS.

FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAGE.

PUMPS 3 HP AND LESS SHALL MEET ANSI/UL1081, CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW. SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE SURFACE SKIMMERS SHALL MEET TO SELIP AND THERE SHALL BE

SPECIAL SPA REQUIREMENTS

MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAX FLOOR SLOPE 1:12.

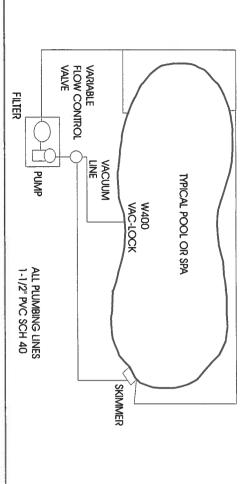
STEPS: MIN TREAT 10"x12", 7" MIN. RISER. 12" MAX. RISER EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM.

IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER. IF CONTINUOUS A SIX HOUR TURNOVER.

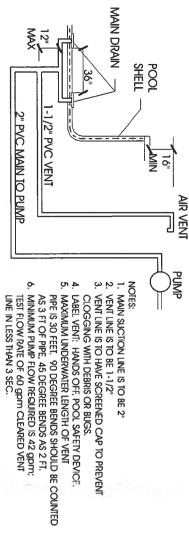
WIRING AND BONDING AND ALL ELECTRICAL TO NEC ART. 680 OR LOCAL CODE. NO OUTLET OR OVERHEAD POWER WITHIN 10'. IF WITHIN 15' PROTECT BY GFI TRANSFORMER MIN. 10' FROM POOL. 8" ABOVE WATER. J BOX 4' FROM POOL. BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE

EQUIPOTENTIAL BONDING GRID TO BE ACCOMPLISHED PER NEC 2005, SECTION 680.26(C)(3)b.

ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.
RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY
REOUTH FEET.
HEATERS SHALL MEET ANSI-221.56 OR UI1261 OR UI559
DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET
LOCAL CODE IF GREATER. ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NSPI 3 A.A.DDERS, UNDERWATER SEATS, AND SWIM OUTS (MAX 20" BELOW TYPICAL POOL OR SPA MAXIMUM TEMPERATURE 104 DEGREES.
MEET ANSI/NSPI ARTICLE XVII SAFETY INSTRUCTION/SAFETY SIGNS.
PRESSURE TEST PIPING AT 35PSI FOR 15 MINUTES OR MEET
LOCAL CODE IF GREATER. ELECTRICAL REQUIREMENTS SKIMMER



POOL/SPA MAIN DRAINS WITH AIR VENT



CALCULATIONS:

MAXIMUM FLOW IN SUCTION LINE IS 6 FPS = 60 gpm

Volume of water in 30 ft x 1.5" dia vent line $=2.75\,\mathrm{gol}$. Minimum time required to clear line, $t_{min} = (2.75 \text{ gal/60})*60 = 2.75 \text{ sec.}$

MINIMUM FLOW RATE REQUIRED TO CLEAR LINE IN 4 SECONDS: VOLUME OF WATER IN 30 FT \times 1.5" DIA VENT LINE = 2.75 gal. FLOW TO CLEAR LINE,

 $q_{min} = (2.75 \text{ gal/ 4 sec)*}60 \text{ sec/min} = 41.25 \text{ gpm}.$

FILE COPY

ADDITIONAL NOTES:

1. POOL INSTALLATION SHALL BE BY A QUALIFIED AND LICENSED (APPROVED BY LOCAL BUILDING DEPARTMENT) POOL CONTRACTOR, THE INSTALLATION SHALL CONFORM TO ALL LOCAL BUILDING CODES, IE. PERMITS, SPECIFICATIONS, CODES, RULES, INSPECTIONS, WORKMANSHIP, ETC.

2. TYPICAL PROPERTIES OF A REINFORCED FIBERGLASS POOL:

BARCOL HARDNESS OF 30 MIL GEL COAT

GLASS CONTENT BY WEIGHT

TENSILE STRENGTH, PSI AT 77° F

TENSILE STRENGTH, PSI AT 77° F

TENSILE STRENGTH, PSI AT 77° F

TENSILE BLONGATION

1 - 2%

FLEXURAL STRENGTH, PSI AT 77° F
FLEXURAL MODULUS, PSI X 10 AT 77° F
1200 IMPACT F7LBS INCH OF NOTCH
COMPRESSIVE STRENGTH, PSI
TYPICAL THICKNESS, INCHES 13,400 1 - 2% 900,000 - 1,000,000 0.72 - 0.77 5.9

25000 - 38000 1/4" TO 3/8" AVG

3. POOL SHELL SHALL BEAR ON UNDISTURBED SOIL, FREE OF PEAT, MUCK, OR OTHER DELETERIOUS MATERIAL OF ANY SIGNIFICANT AMOUNT.

4. BACKFILL MATERIAL MUST NOT CONTAIN ROCKS OR OTHER MATERIALS THAT COULD DAMAGE POOL WALLS.

5. POOL TURNOVER SHALL BE 12 HOURS, MAXIMUM WITH CARTRIDGE FILTER. APPROVED PUMP (MIN. ½ H.P. W/ 29 GPM 60 TDH)...

6. STEPS SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL. CONVENIENCE GRAB BAR SHALL BE PROVIDED PER INSTALLATION PLAN

7. LADDERS ARE TO BE PROVIDED IN POOLS WITH GREATER THAN 5' DEPTH WITOUT SWIM OUTS..

INSTALL LOW VOLTAGE LIGHT AS PER N.E.C. 680.

9. DIVING PLATFORMS OR DIVING BOARDS ARE NOT TO BE INSTALLED ON THESE POOLS EXCEPT FOR THE ST. CROIX POOL PLAN.
THIS POOL MEETS THE ANSI/NSPI-5 2002 DIVING POOL REQUIREMENTS FOR TYPE I & TYPE 2 POOLS.

DURING A HURRICANE WARNING OR ALERT, THIS POOL SHALL BE FILLED WITH WATER.

11. THESE POOL PLANS MEET OR EXCEED THE ANSI/NSPI 5 2003 RESIDENTIAL INGROUND SWIMMING POOL AND ANSI/NSPI 3 1999 PERMANENTLY INSTALLED RESIDENTIAL SPA STANDARDS.

12. ALL GLASS WITHIN 5' OF THE WATERS EDGE SHALL COMPLY WITH R308.4 (9) FOR SAFETY GLAZING

ENGINEERING MEETS:

Florida Building Code - Residential 2004 R4101 w/ 2005 & 2006 Revisions
Florida Building Code - Mechanical 2004
Florida Building Code - Plumbing 2004
Florida Building Code - Fluending 2004
2005 National Electric Code

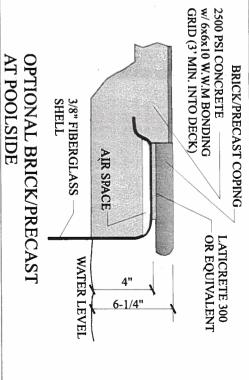
98-76 Building Construction Administrative Code

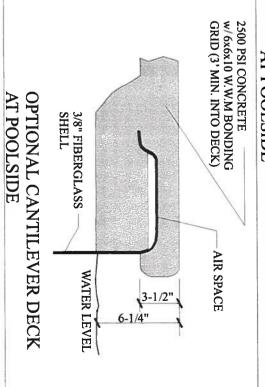
PIPING SIZING CHART (MAXIMUM)

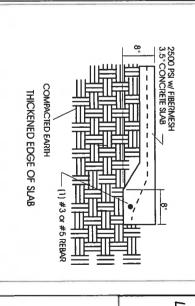
SUCTION PIPEWORK DIAGRAM 1 1/2" 2" PIPE 35 GPM 60 GPM SUCTION PRESSURE 60 GPM 100 GPM

FOR SKIMMER MAIN RETURN SYSTEM SKIMMER: PENTAIR BERMUDA SHELL RETURN FROM FILTER TO POOL (MULTIPLE ADDITIONAL RETURNS ARE OPTIONAL) RETURN THROUGH FILTER TO POOL PUMP: 3/4 HP (MIN.

POOL DECK TOPPING PERIMETER DECK AT POOLSIDE 2500 PSI CONCRETE w/ 6x6x10 w.w.m BONDING GRID (3' MIN. INTO DECK) AIR SPACE 3/8" FIBERGLASS SHELL — WATER LEVEL







Lildon Engineering Company, Inc. Minneola, Florida 34715 548 B Hwy 27

(352) 394-2590 Ph.& FAX

Wayne A. Block

PE # 52583

MAD RIVER POOL CONSTRUCTION MAITLAND OFFICE - (407) 810-3453

GENERAL DESIGN REQUIREMENTS

DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN ANSI/NSPI 5 RESIDENTIAL IN-GROUND SWIMMING POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED

RESIDENTIAL SPAS. SEE ANSINSPI 5 FOR DIVING WATER ENVELOPES SLIDES SHALL MEET THE MANUFACTURER'S INSTALLATION KEQUIREMENTS. ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NSPI 3 ADDERS, UNDERWATER SEATS, AND SWIM OUTS (MAX 20" BELOW

CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF $50.\,$

THE MAXIMUM TÜRNOVER RATE IS 12 HOURS.
FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAGE.
FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAGE.
PUMPS 3 HP AND LESS SHALL MEET ANSI/UL 181, CORROSION
RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW.
SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE
ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA. ETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY

500 SQUARE FEET.
HEATERS SHALL MEET ANSI-Z21.56 OR UII261 OR UI539
DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET
LOCAL CODE IF GREATER.

SPECIAL SPA REQUIREMENTS

IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER. IF CONTINUOUS A SIX HOUR TURNOVER. MAXIMUM TEMPERATURE 104 DEGREES.
MEET ANSI/NSPI ARTICLE XVII SAFETY INSTRUCTION/SAFETY SIGNS. PRESSURE TEST PIPING AT 35PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER. FLOOR SLOPE 1:12.
STEPS: MIN TREAT 10"x12", 7" MIN. RISER. 12" MAX. RISER EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM. MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAX

ELECTRICAL REQUIREMENTS

WIRING AND BONDING AND ALL ELECTRICAL TO NEC ART. 680 OR LOCAL CODE. NO OUTLET OR OVERHEAD POWER WITHIN 10°. IF WITHIN 15° PROTECT BY GFI TRANSFORMER MIN. 10° FROM POOL. 8"ABOVE WATER, J BOX 4° FROM POOL. BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED.

EQUIPOTENTIAL BONDING GRID TO BE ACCOMPLISHED PER NEC 2005, SECTION 680.26(C)(3)b.

TENSILE STRENGTH, PSI AT 77° F
TENSILE ELONGATION
FLEXURAL STRENGTH, PSI AT 77° F
FLEXURAL MODULUS, PSI X 10 AT 77° F
1200 IMPACT FT-LBS INCH OF NOTCH
COMPRESSIVE STRENGTH, PSI
TYPICAL THICKNESS, INCHES

13,400 1 - 2% 900,000 - 1,000,000 0.72 - 0.77 5.9

3. POOL SHELL SHALL BEAR ON UNDISTURBED SOIL, FREE OF PEAT, MUCK, OR OTHER DELETERIOUS MATERIAL OF ANY SIGNIFICANT AMOUNT.

8. INSTALL LOW VOLTAGE LIGHT AS PER N.E.C. 680.

12. ALL GLASS WITHIN 5' OF THE WATERS EDGE SHALL COMPLY WITH R308.4 (9) FOR SAFETY GLAZING

Florida Building Code - Residential 2004 R4101 w/ 2005 & 2006 Revisions

Florida Building Code - Mechanical 2004
Florida Building Code - Plumbing 2004
Florida Building Code - Fuel Gas 2004
Florida Building Code - Fuel Gas 2004
2005 National Electric Code

POOL/SPA MAIN DRAINS WITH AIR VENT

AIR VENT

FLOW CONTROL VARIABLE

VACUUM LINE

SKIMMER

IYPICAL POOL OR SPA

FLTER

PUMP

ALL PLUMBING LINES 1-1/2" PVC SCH 40

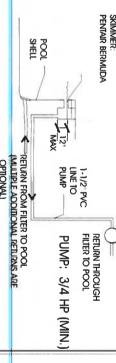
MAIN DRAIN

SHELL

NIM 16#

NOTES:

FOR SKIMMER MAIN RETURN SYSTEM SUCTION PIPEWORK DIAGRAM



MINIMUM FLOW RATE REQUIRED TO CLEAR LINE IN 4 SECONDS: VOLUME OF WATER IN 30 FT \times 1.5" DIA VENT LINE = 2.75 gal.

FLOW TO CLEAR LINE,

= (2.75 gal/ 4 sec)*60 sec/min = 41.25 gpm.

MAXIMUM FLOW IN SUCTION LINE IS 6 FPS = 60 gpm

VOLUME OF WATER IN 30 FT x 1.5" DIA VENT LINE = MINIMUM TIME REQUIRED TO CLEAR LINE,

2.75 gal.

 $t_{min} = (2.75 \text{ gal/}60)*60 = 2.75 \text{ sec}$

CALCULATIONS:

2

/2" PVC VENT

1. MAIN SUCTION LINE IS TO BE 2*
2. VENT LINE IS TO BE 1-1/2*
3. VENT LINE IS TO HAVE SCREENED CAP TO PREVANT CLOGGING WITH DEBRIS OR BUGS.
4. LABEL VENT: HANDS OFF, POOL SAFETY DEVICE.
5. MAXIMUM UNDERWATER LENGTH OF VENT PIPE IS 30 FEET. 90 DEGREE BENDS SHOULD BE COUNTED AS 3 FT OF PIPE, 45 DEGREE BENDS AS 2 FT.
6. MINIMUM PUMP FLOW REQUIRED IS 42 gpm; TEST FLOW RATE OF 60 gpm CLEARED VENT LINE IN LESS THAN 3 SEC.

2" PVC MAIN TO PUMP

ADDITIONAL NOTES:

AIR SPACE

1. POOL INSTALLATION SHALL BE BY A QUALIFIED AND LICENSED (APPROVED BY LOCAL BUILDING DEPARTMENT) POOL CONTRACTOR, THE INSTALLATION SHALL CONFORM TO ALL LOCAL BUILDING CODES, IE. PERMITS, SPECIFICATIONS, CODES, RULES, INSPECTIONS, WORKMANSHIP, ETC.
2. TYPICAL PROPERTIES OF A REINFORCED FIBERGLASS POOL:

BARCOL HARDNESS OF 30 MIL GEL COAT 30 -40

GLASS CONTENT BY WEIGHT 37%

25000 - 38000 1/4" TO 3/8" AVG

4. BACKFILL MATERIAL MUST NOT CONTAIN ROCKS OR OTHER MATERIALS THAT COULD DAMAGE POOL WALLS.

5. POOL TURNOVER SHALL BE 12 HOURS, MAXIMUM WITH CARTRIDGE FILTER . APPROVED PUMP (MIN. ¼ H.P. W/ 29 GPM 60 TDH)...

6. STEPS SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL. CONVENIENCE GRAB BAR SHALL BE PROVIDED PER INSTALLATION PLAN

7. LADDERS ARE TO BE PROVIDED IN POOLS WITH GREATER THAN 5' DEPTH WITOUT SWIM OUTS..

9. DIVING PLATFORMS OR DIVING BOARDS ARE NOT TO BE INSTALLED ON THESE POOLS EXCEPT FOR THE ST. CROIX POOL PLAN.
THIS POOL MEETS THE ANSI/NSPI-5 2002 DIVING POOL REQUIREMENTS FOR TYPE 1 & TYPE 2 POOLS.

10. DURING A HURRICANE WARNING OR ALERT, THIS POOL SHALL BE FILLED WITH WATER.

II. THESE POOL PLANS MEET OR EXCEED THE ANSINSPI 5 2003 RESIDENTIAL INGROUND SWIMMING POOL AND ANSINSPI 3 1999 PERMANENTLY INSTALLED RESIDENTIAL SPA STANDARDS.

w/6x6x10 W.W.M BONDING GRID (3' MIN. INTO DECK) 2500 PSI CONCRETE

AIR SPACE

ΑŢ

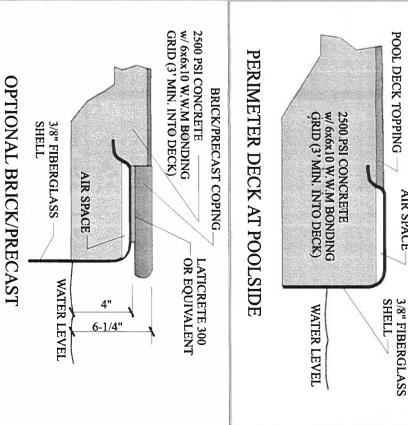
POOLSIDE

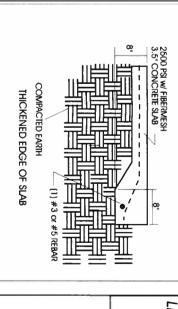
ENGINEERING MEETS:

98-76 Building Construction Administrative Code

PIPE PIPING SIZING CHART (MAXIMUM) SUCTION **PRESSURE**

1 1/2" 2" 35 GPM 60 GPM 60 GPM 100 GPM





Lildon Engineering Company, Inc Minneola, Florida 34715 548 B Hwy 27

AT POOLSIDE

OPTIONAL CANTILEVER DECK

3/8" FIBERGLASS SHELL

WATER LEVEL

352) 394-2590 Ph.& FAX

Wayne A. Block PE # 52583

MAD RIVER POOL CONSTRUCTION MAITLAND OFFICE - (407) 810-3453

3-1/2"