

## City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811 Tel 407-581-8161 \* Fax 407-581-0313 \* www.universalengineering.com

### PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "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." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after

commencement. WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD. PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA. Scope of Work: BUILDING: pool & deck Permit Number: 2017-03-091 Date of Application: 03/28/2017
Date Permit Issued: 04/14/2017 Comments: None **Project Information** WARNING TO OWNER: "YOUR FAILURE TO RECORD A Address: 4124 Isle Vista Avenue, Belle Isle, FL 32812 NOTICE OF COMMENCEMENT MAY RESULT IN YOU

Parcel ID: 20-23-30-0669-00-350 PAYING TWICE FOR IMPROVEMENTS TO YOUR Property Owner: JPC Construction Inc PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY Phone Number: 954 947 5400 RECORDING YOUR **BEFORE** NOTICE Dreamscapes Pools & Spas, LLC Company Name: COMMENCEMENT." ON THE JOB INSPECTION(S) MUST Contractor Name: Mark Shaughnessy BE MADE BEFORE PROCEEDING WITH SUBSEQUENT License Number: CPC1457433 WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND 1330 Tropic Park Drive, Sanford, FL 32773 Address: BE PROTECTED FROM THE WEATHER WHILE BEING Phone Number: 407-268-3539

VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

	INSPECTIONS HAVE BEEN APPROVED.			
	BUILDING FEATURES			
IMPACT FEES	BUILDING INSPECTOR USE ONLY			
School \$				
Traffic \$	IF APPLICABLE:			
¥	Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions			
ZONING FEES	The state of the s			
Zoning Fee \$165.00	Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO			
	BUILDING			
<u>UNIVERSAL ENG - BUILDING FEES</u>	BUILDING  1st (Footing/Foundation)			
	Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site?			
Cert of Occ \$	Ourvey specific foundation plan must be offsite before slab pour. Approved Figure 1011 Site 7			
Demo \$	2 <sup>nd</sup> (Slab)			
Building \$271.50	(Slab)			
Fence \$	3 <sup>rd</sup> (Lintel)(Wall Reinforcing on Masonry Building)			
Driveway \$ Shed \$	(Einter)(Wall Neinforcing on Masonly Building)			
Window(s) \$	4 <sup>th</sup> (Exterior Framing)(Roof/Wall Sheathing)			
Door(s) \$	·			
PrePower \$	5 <sup>th</sup> (Framing) (To be made after Plumbing/ Mechanical/			
Electrical \$	Electrical Rough-Ins & Windows/Doors Installed)			
Temp Pole \$	<u> </u>			
Plumbing \$	6 <sup>th</sup> (Insulation to be Made After Roof Installed)			
Mechanical \$	This least to be Made / they free mediately			
Gas \$	7 <sup>th</sup> (Drywall)			
Roofing \$	(a) Han			
Boat Dock \$	8 <sup>th</sup> (Sidewalk/Driveway)			
Screen Encl \$				
Swimming Pool \$	9 <sup>th</sup> (Other)			
Sign \$	· · · · · · · · · · · · · · · · · · ·			
	10 <sup>th</sup> (Final – After MEP and Other Applicable Finals)			
SURCHARGE FEES				
	ROOFING			
Surcharge Fee \$4.07	1 <sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing			
Surcharge Fee \$4.07	· · · · · · · · · · · · · · · · · · ·			
	2 <sup>nd</sup> ROOFING Covering In-Progress			
<b>TOTAL FEES \$444.64</b>				
	3 <sup>rd</sup> ROOFING Covering Final			
1100				
Date Paid _	PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc)			
520	Ŭ			
CC or Check#	1 <sup>ST</sup> (Underground) 2 <sup>nd</sup> (Sewer)			
VIVII C II				
Amount Paid 446	3 <sup>rd</sup> (Rough-In/Tub Set) 4 <sup>th</sup> (Final)			
. ,				
The person accepting this permit shall	CHECK APPROPRIATE BOX			
conform to the terms of the	☐ GASNaturalLP ☐ MECHANICAL ☐ ELECTRICAL ☐ LOW VOLTAGE			
application on file and construction				
shall conform to the requirements of	1 <sup>st</sup> (Rough-In) 2 <sup>nd</sup> (Final)			
the Florida Building Code (FS 553).				

Inspection requests are to be emailed to BIDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 4pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.



City of Belle Isle
Universal Engineering Sciences 3532 Maggie Blvd., Orlando, F
Tel 407-581-8161 \* Fax 407-581-0313 \* www.universalencin

**Building Permit (Land Use) Applica** 

DATE: 3-27-17 PERMIT # Ou PROJECT ADDRESS 4124 Isle Vista Ave Orlando FL PHONE 321-332-3229 PROPERTY OWNER Jose Herrera VALUE OF WORK (labor &material) \$ 40,000

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

# Inground Concrete Swimming and Paver Deck

SINGLE FAMILY RESIDENCE: 8.5"x11" Plat Survey, Plot Plan of Ho.	rmation, it applicable me and Floor Plans of N	ew Construction/Revision	Required	4
<ul> <li>BOAT DOCK: DEP Clearance Required with Application (Call 407-89</li> </ul>	7-4100); please provide	a conv of their report		
SEPTIC SYSTEM (RESIDENTIAL): - Provide verification of OC Health	Dept approval for on-s	ite sentic tank svetam por	EAC Ch	on 64E 6
<ul> <li>Homeowners will be required to have a contractor on record for homeowners.</li> </ul>	es that are rented and/o	or not homestead	I AC CIII	ар. Очес-о
Please Complete for the City of Belle Isle Zoning Review: Parcel Id Nu	nber: 20-23-30-0669-0	0 <mark>0-350</mark>		
		isit http://www.ocnall.pre/Sea	PRINCES CONTRACT	WHITE WAY BEEN
	_			
SPECIAL CONDITIONS: STRUCTURES MAY NOT ENCROACH INTO ANY	EASEMENT	Wind Exposure Category:	B	C D
OR REQUIRED SETBACK. Survey specific foundation plan required to si	ow compliance with			
zoning setbacks. Note: this Zoning Approval MAY or MAY NOT be in con	lic with your Deed	SPRINKLERS REQ'D	Υ	N
Restrictions. For New Single Family Residence, a Traffic Impact Fee and assessed.	School Impact will be	If Required – SUBMIT COPY	OF PLANS	FOR FIRE
4/11/m 14/h		REVIEW Date: Ser	nt	RCD
PLANNING & ZONING APPROVAL By:				0.
and the state of t		ZONING	N	s lbs.
DATE City of Belle Isle		CERT OF OCC Y	N	\$
PLEASE COMPLETE for Building Review (min. of 2 sets of signed/sealed	nlane required)	TRAFFIC Y	N	\$
CONSTRUCTION TYPE	Piana radunan)	SCHOOL Y	N	\$
OCCUPANCY GROUP Comm Res: Single Fam	Multi Fam	FIRE Y	N	\$
#BLDG #UNITS #STORIES TOTAL SOFT		SWIMMING POOL (Y)	N	2712
MAX. FLOOR LOADMAX. OCCUPANCY		SCREEN ENCLOSURE Y	N	Ś
MIN. FLOOD ELEV. I OW FLOOR ELEV		ROOFING Y	N	\$ \$
WATER SERVICEWELLSEPTIO	3	BOAT DOCK Y	N	\$
	·=====================================	BUILDING Y	N	\$
100		WINDOW(S) Y	N	\$
BUILDING REVIEWER IL Crum BU540 DATE	4/14/2017	DOOR(S) Y	N	\$
		FENCE y	N	
VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE	DATE	SHED Y	N	\$ \$
		DRIVEWAY Y	N	\$
Per FSS 105.3.3:		OTHERY	N	÷
An enforcing authority may not issue a building permit for any building construct	tion, erection, alteration,			
modification, repair or addition unless the permit either includes on its face or permit the following statement: "NOTICE: In addition to the requirements of the additional restrictions are limited."	there is attached to the	3% FL SURCHARGE	Ç	<del>.</del> .\4
additional restrictions applicable to this property that may be found in the public	c records of this sounts		1	1 (1
and there may be additional permits required from other governmental	entities such as water	TOTAL	7 11	44. CU
management districts, state agencies, or federal agencies."	omino odon do water		7	1100
Republic Services is by legal contract the sale authorized		By Owner Form	Y	NA
Republic Services is by legal contract the sole authorized provider of garbage and commercial garbage and construction debris collection and disposal services the City Contractors have	e, recycling, yard waste,	Notice of Commencement	Ϋ́	NA NA
the City. Contractors, nomeowners and commercial businesses may contact D	anublic Continue of 407	Power of Attorney	Ϋ́	
233-0000 to setup accounts for Commercial Construction Roll Off or other s	ondoor product Detect	Contractor Packet Incuded?	Ϋ́Υ	NA
are liked by contract and are available at City Hall or from Republic Continue	The Characters of	contractor racket incuded;	Ť	N
contract through its code enforcement office. Failure to comply will result in a st	op work order.	OTHER REPLAITS REQUIRED		
SEPARATE DEDMITS ARE REQUIRED FOR BOOKING THE	l l	OTHER PERMITS REQUIRED: ELECTRICAL		
MECHANICAL, SIGNS, POOLS, ENCLOSURES, ETC.	L, PLUMBING, GAS	PREPOWER	Y	NA
	, 25	MECHANICAL	Y	NA
Page 1 of 2 4 x 39	156	PLUMBING	Y	NA
~ · · · · · · · · · · · · · · · · · · ·	181-12	ROOFING	Y	NA
C1011/6			Y	NA
( ) HCK	90:50	GAS	Υ	NA
0 100	271:50			



## City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811 Tel 407-581-8161 \* Fax 407-581-0313 \* www.universalengmeering.com

Building Permit (Land Use) Application
To be completed as required by State Statute Section 713 and other applicable sections.

Owner's Name Jose Herrera

Owner's Address 4124 Isle Vista Ave Orlando FL 32812

PERMIT #

Contractor Name Mark Shaughnessy Company Name Dreamscapes Pools & Spas LLC License #CPC1457433 Company Address 1330 Tropic Park Dr Contact Phone/Cell407-268-3539 City, State, ZIPSanford FL 32773 Contact Email Poolmark@yahoo.com Contact Fax 407-268-3574

WARNING TO OWNER: Your failure to record a Notice of Commencement may result in your paying twice for improvements to your property. A notice of commencement must be recorded if job is \$2500(+) or if A/C Replacement \$7500(+) and posted on the job site before the first inspection. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

this permit does not grant permission to violate any applicable City and obtain a permit to do the work and installations as indicated. I certify that no	s granted I agree to conform to all Division of Building Safety Regulation egulating same and in accordance with plans submitted. The issuance also be submitted of Florida codes and lor ordinances. Application is hereby made work or installation has commenced prior to the issuance of a permit and that a significant in this jurisdiction. I understand that a separate permit must be secured from the submitted by the submitted in the secured from the submitted by t
	e and that all work will be done in compliance with all applicable laws regulatir
Owner Signature  The foregoing instrument was acknowledged before me this 3 / 15/17  by	Impervious Surface Ratio Worksheet  Development Zoned A-1. A-2, R-1-AAA, R-1-AA, R-1-A, R-1 per City Code, Section 50-74: Impervious Surface Ratio  1. Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).  Total Lot Area 21 0 5 3 5
Notary as to Owner State of Florida County of Orange	sum of all areas that do not allow direct percolation of rainwater.  Examples include house, pool, deck, driveway, accessory building, etc.  House 4064 SF
Contractor Signature  COMPANY NAME Dream scapes Pools + SPAS LLC  The foregoing instrument was acknowledged before me this 3 / 15 / 17  by MARK SHAUGH NE 55 Y who is personally known to me and who produced as identification and who did not take an oath.	<ul> <li>Driveway (567 SF)</li> <li>Walkway 78 SF</li> <li>Accessory Buildings 1317 SF</li> <li>Pool &amp; Spa 447 SF</li> <li>Deck &amp; Patio 891 SF</li> <li>Other 51 SF</li> <li>Actual Impervious Area (AIA) 8 4 4 15 SF</li> </ul>
Notary as to Owner State of Florida County of Orange  JESSICA ANN MILLER MY COMMISSION # GG008654 EXPIRES July 05, 2020 (407) 398-0153 FloridaNotaryService.com	3. If AIA is less than BASE, subtract AIA from BASE to determine the amount of impervious area that may be added without providing onsite retention.  4. If AIA is greater than BASE, then onsite retention must be provided.  Assuming 7.5 inches of rainfall based on a 24hr 10 year Rain Event (TP40), the formula is: (7.5 inches rainfall/12 inches p/foot) X (result from line 4) = cubic feet of storage volume needed

TASK NUMBER 3, 14, 15

## CITY OF BELLE ISLE Permit Application Review Sheet

Permit Number	207-03-091 (B) 092(P) 093(E)
Property Owner	(i) (ii) (ii)
Address	4124 lde Vista Au
Nature of Improvement	POOL
Received Application	3-28-17
Sent for Stormwater Review	3-9-17
Stormwater Approved	4-11-17 by April Fisher
Sent for Zoning Review	3-29-17 all 3 sots of plans + bldg appear
Zoning Approved	4-11-17 Sy April Fisher WO 76698
Applied for Variand	EXPERSION all 3 neviced surveys
Variance Approved	Thoraga
Sent to BO for Review	
Building Official Approved	
<b>感受</b> (核)自己 (1953年)	Comments
1	
Susan 3-28-17	Platinum Electroic need GL&WC
Sign 3-28-17	Platinum Electroic need GL&WC Dreamsage Pools need LTR
Sign 3-28-17 2. 3.	0
3.	
3. 4.	
3. 4. 5.	
<ul><li>3.</li><li>4.</li><li>5.</li><li>6.</li></ul>	
3. 4. 5. 6. 7. 8.	
3. 4. 5. 6. 7. 8.	
<ul><li>3.</li><li>4.</li><li>5.</li><li>6.</li><li>7.</li></ul>	

## LIMITED POWER OF ATTORNEY

Date: 3 27 17		
I, Mark Shaughnessy, hereby name and apport off and pick up permits on my behalf and a department.	point <u>Jessica Miller of Dreamscapes Pools</u> pply to the <u>Belle Tsle</u>	<u>&amp; Spas LLC.</u> to drop building
Mad Inglay Owner	<u>Dreamscapes Pools &amp; Spas LLC.</u> Business Name	<u>CPC1457433</u> License Number
The foregoing instrument was acknowledge Mark Shaughnessy, who is personally know	ed before me this <u>2</u> day of <u>March</u> on to me and did not take oath.	20 <u>_17</u> by
State of Florida County of Seminole	MICHAEL MANT (ANO MY COMMISSION # FF 091807 EXPLAZS: March 5, 2018 Bonded (this Nothry Public Underwiners	
Notary	(Seal)	

	DOC# 20170162859 03/27/2017 03:52:02 PM Page 1 of 1
Permit Number:	
Folio/Parcel Identification Number: 20-23-30-0669-00-350	Phil Diamond, Comptroller Orange County, FL MB - Ret To: DREAMSCAPES POOLS & SPAS
Prepared by: Dreamscapes Pools & Spas LLC 1330 Tropic Park Dr	
Sanford FL 32773	
Return to: Dreamscapes Pools & Spas LLC	
1330 Tropic Park Dr	
Sanford FL 32773	
NOTICE OF COM	MENCEMENT
State of Florida, County of Orange	MENCEMENI
The undersigned hereby gives notice that improvement will	ho made to contain used a contain and a contain a contain and a contain and a contain a
The undersigned hereby gives notice that improvement will with Chapter 713, Florida Statutes, the following information	be made to certain real property, and in accordance
Description of property (legal description of the property)	he and attract address if a will be to
Belle Vista on Lake Conway Re-Plat of Lots 34&35 79/2	.y, and street address it available)
2. General description of improvement	11 Lot 35 4214 Isle Vista Ave Orlando FL 32812
Inground Concrete Swimming Pool & Paver Deck	
3. Owner information or Lessee information if the Lesse	ee contracted for the improvement
Name Jose A Herrera-Soto	
Address 4124 Isle Ave Orlando FL 32812	
Interest in Propertyowner	1/300
Name and address of fee simple titleholder (if different	nt from Owner listed above)
Name <u>n/a</u>	18 18
Address n/a	Shen .
4. Contractor	
Name Dreamscapes Pools & Spas LLC	Telephone Number 407-268-3539
Address 1330 Tropic Park Dr Sanford FL 32773	3 2 4 5
5. Surety (if applicable, a copy of the payment bond is attact	ched)
Name <u>n/a</u>	Telephone Numbern/a
Address_n/a	Amount of Bond \$n/a
6. Lender	
Namen/a	Telephone Numbern/a
Addressn/a	receptione (validation)
7. Persons within the State of Florida designated by Ov	vner upon whom notices or other documents may
be served as provided by §713.13(1)(a)7, Florida Stat	utes.
Name <u>n/a</u>	Telephone Numbern/a
Address n/a	oce est.
8. In addition to himself or herself, Owner designates to	he following to receive a copy of the Lienor's
Notice as provided in §713.13(1)(b), Florida Statutes.	ite following to receive a copy of the Liener's g
Namen/a	Telephone Numbern/a
Address n/a	
<ol><li>Expiration date of notice of commencement (the expi</li></ol>	ration date may not be before the completion of
construction and final payment to the contractor, but will	be 1 year from the date of recording unless a
different date is specified) n/a	are 1 year from the date of recording diffication
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTE	R THE EXPIRATION OF THE NOTICE OF COMMENCEMENT
ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713. PA	RT L SECTION 713 13 FLORIDA STATUTES AND CAN
RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PR	OPERTY A NOTICE OF COMMENCEMENT MILET BE
RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INS WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WOI	PECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT
The state of the s	TO THE CONDING TOUR NOTICE OF COMMENCEMENT.
Under penalty of perjury, I declare that I have read the fo	regoing notice of commencement and that the
facts stated in it are true to the best of my knowledge an	d haliaf
/ Mas to the boot of they knowledge and	u bellel.
	Prices
Signature of Owner of Lessee, or Owner's or Lessee's Authorized Officer/Di	irector/Partner/Manager Signatory's Title/Office
	Signatory's Fide/Office
The foregoing instrument was acknowledged before me this	15 day of 3/17 by Jose Herrora
The distribution of the di	month/year name of person
as Owher for	
Type of authority, e.g., officer, trustee, attorney in fact	Name of party on behalf of whom instrument was executed
Ocasica Amas Mully	
Signature of Notary Public – State of Florida	Delet have suppose a supplied to the supplied
Signature of Hotely Fublic - State of Florida	Print, type, or stamp commissioned name of Notary Public

Personally Known \_\_\_\_ Type of ID Produced\_

\_OR Produced ID \_

Print, type, or stamp commissioned name of Notary Public
JESSICA ANN MILLER
MY COMMISSION # GG008654

MY COMMISSION # GG008654

EXPIRES July 05, 2020 Form Revisesh September 26, 2011



CITY OF BELLE ISLE, FLORIDA
Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 \* Fax 407-581-0313 \* www.universalengineering.com

## **RESIDENTIAL SWIMMING POOL SAFETY AFFIRMATION**

Date: 3 15)17	Permit #:
<sub>I,</sub> Mark Shaughnessy	, License # CPC1457433
(print contractor's name) hereby affirm that the pool will be isolated from a by a barrier that meets the pool barrier requirent Code Section 454.2.	access from within the dwelling AND from adjacent properties nents of Florida Statute 515.29 and the 2014 Florida Building
Check the applicable barrier requirements (	from the following options and show on the site plan:
	ved safety pool cover that complies with ASTM F1346 Safety Covers for Swimming Pools, Spas and Hot Tubs) per
The pool will be isolated from access by FBC 454.17.1.15.	a mesh safety barrier that meets the requirements of
The pool will be isolated from access by FBC 454.2.17.1.11.	a screen enclosure that meets the requirements of
The pool will be isolated from access by FBC 454.2.17.1.1 through 454.2.17.1.8.	a fence and pedestrian gates that meet the requirements of
Does any part of the barrier consist of dwel	lling walls which contain doors or windows?
Yes No If yes, then ch	neck which of the two options below are applicable:
	ccess from the dwelling to the pool will be equipped with an of FBC 454.2.17.1.9(1) unless Exceptions a, b or c apply.
	e dwelling to the pool will be equipped with self-closing, the threshold that meet the requirements of
I understand that the final electrical and barrier codunless it's a vinyl liner or fiberglass FBC 454.2,19.	le inspection shall be completed prior to filling the pool with water
(contractor's signature)	(property owner's signature)





## **Owners Manual**

### **OWNER'S MANUAL**

INSTALLATION, OPERATION, & PARTS

## DUAL SUBMERGED SUCTION OUTLET SET

[Commonly called main drains]





Basic safety precautions should always be followed, including the following: Failure to follow instructions can cause severe injury and/or death.

This is the safety-alert symbol. When you see this symbol on your equipment or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

WARNING warns about hazards that could cause serious personal injury, death or major property damage and if ignored presents a potential hazard.

**CAUTION** warns about hazards that will or can cause minor or moderate personal injury and/or property damage and if ignored presents a potential hazard. It can also make consumers aware of actions that are unpredictable and unsafe.

The NOTICE label indicates special instructions that are important but not related to hazards.



▲ - WARNING - Read and follow all instructions in this owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

## IMPORTANT SAFETY INSTRUCTIONS

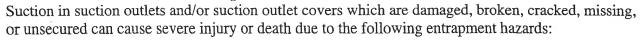


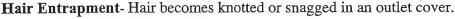
USE ONLY HAYWARD GENUINE REPLACEMENT PARTS





### MARNING – Suction Entrapment Hazard.







Limb Entrapment- A limb sucked or inserted into an opening of a circulation outlet with a broken or missing cover in the pool resulting in a mechanical bind or swelling

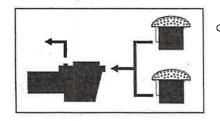


**Body Suction Entrapment**- Suction applied to a large portion of the body or limbs resulting in an entrapment.

Evisceration/ Disembowelment Entrapment- Suction applied directly to the intestines through an unprotected sump or suction outlet with a missing or broken cover.



**Mechanical Entrapment**- Potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of an outlet or cover.



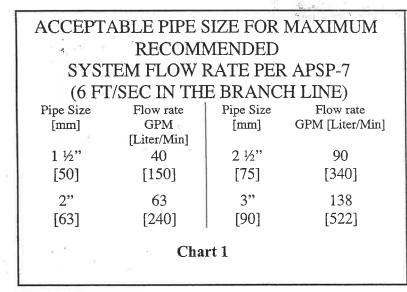
### To Reduce the risk of Entrapment Hazards:

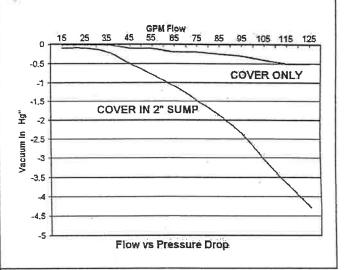
- A minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane (i.e. floor or wall), must be installed a minimum of three feet (3') [.91 meter] apart, as measured from suction pipe center to suction pipe center. (See Diagram 1. If suction outlets are to be located closer then three feet (3') [.91 meter] apart, they shall be located in different planes (i.e., one on the bottom, and one on the vertical wall, or one on each of two separate vertical walls.) (See Diagram 2)
- O Dual suction fittings shall be placed in such locations and distances to avoid "dual blockage" by a user.
- Dual suction fittings shall not be located on seating areas or on the backrest for such seating areas.
- The maximum system flow rate shall not exceed the flow rating of any listed (per ASME/ANSI A112.19.8M-1987, ASME A112.19.8-2007, APSP-7) suction outlet cover installed.
- o Keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material.
- o Never use a Pool or Spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
- o Prior to each use of the swimming pool and/or spa, observe and replace damaged, broken, cracked, missing, or not securely attached suction outlet components immediately.
- o Remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets.
- Two or more suction outlets per pump should be installed in accordance with latest APSP Standards and CPSC guidelines. Follow all National, State, and Local codes applicable.
- Multiple layers of protection are available including installation of a vent pipe system, a gravity flow system, or a vacuum release system.
- O Suction outlet components have a finite life, the cover/grate should be inspected frequently and replaced at least every seven years or if found to be damaged, broken, cracked, missing, or not securely attached.
- o Do not exceed maximum flow rate stated on suction fitting.
- Only replace a pump with one with a similar flow curve, avoid a pump with a higher horsepower rating.





#### • RECOMMENDED SYSTEM SPECIFICATIONS:





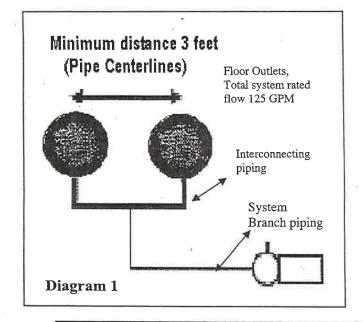
WGX1048E Suction Outlet Covers are rated for Floor Only at 125 GPM WG1048EW Suction Outlet Covers are rated for Wall or Floor at 72 GPM

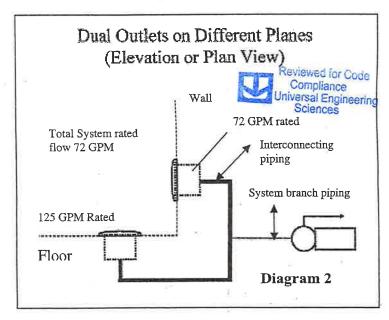
FIG 1
Note: 1" Hg = 1.13 Ft of Head

In the event of one suction outlet being blocked, the remaining suction outlets serving that system shall have a flow rating capable of the full flow of the pump(s) for the specific suction system.

Example: In the System shown in Diagram 1, two (2) "Floor Only" suction outlet covers are selected and mounted. These covers are individually rated for 125 GPM. For a desired flow rate through the pump of 100 GPM, a minimum pipe size from the Chart 1 is selected at 3". At the desired flow of 100 GPM one cover could be partially blocked and the other suction outlet flow would be below the rated 125 GPM of the "Floor" mounted suction outlet cover. Since there are two outlets flowing in normal operation, and the allowable velocity in the interconnecting piping is only 3ft/sec, the same pipe size is required in the interconnecting piping.

Example: In the System shown in Diagram 2, one (1) "Floor Only" suction outlet cover, rated at 125 GPM, and one (1) "Wall or Floor" suction outlet cover, rated at 72 GPM are selected and mounted. For a desired flow rate through the pump of 50 GPM, a minimum pipe size from the Chart 1 is selected at 2". At the desired flow of 50 GPM either cover could be totally blocked and the other suction outlet flow would be below the rated 72 GPM of the wall mounted suction outlet cover. Note: Flow may be limited by entrapping force in dual suction systems.



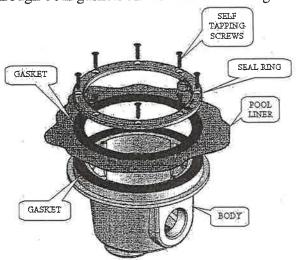




**INSTALLATION INSTRUCTIONS:** - Use a #2 Philips head Screwdriver.

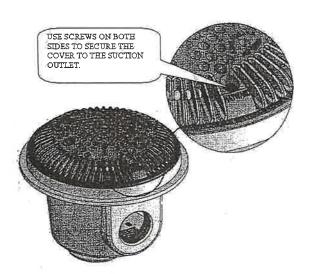
**NOTICE:** When installing WG1030AVPAK2 refer to ASME A112.19.8-2007 for the proper instructions on how to construct the field-fabricated sump. Figure 2 is an illustration of some of the requirements.

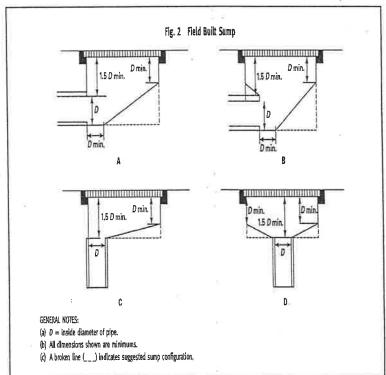
Suction outlets for a pool with a vinyl liner and for fiberglass pools are provided with a WG1048B mounting ring and two (2) gaskets. The gaskets should be placed such that they sandwich the liner or fiberglass, that is, one gasket on each side. The ring (WG1048B) is attached to the suction outlet by eight (8) screws that pass through both gaskets and the liner. See diagram below.

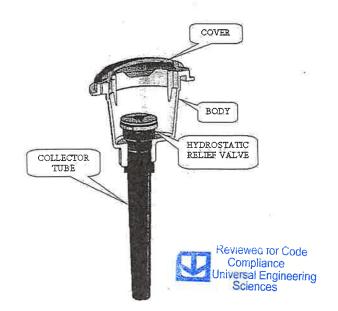


Suction outlets for a concrete or gunite pools are designed to be plastered with the top surface flush to the pool surface. An Adjustable Collar WG1051X may be used to aid in obtaining the desired configuration.

Two screws MUST be used to secure the cover to the suction outlet. USE ONLY HAYWARD GENUINE REPLACEMENT PARTS INCLUDING THE SCREWS.





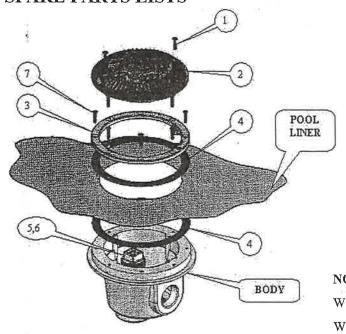


For installations utilizing a hydrostatic relief valve (SP1056), using a collector tube (SP1055) will maintain a clear path to the hydrostatic valve. At least one hydrostatic relief valve in a set of suction outlets will allow hydrostatic uplift pressure caused by ground water to be relieved into the pool or spa.



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#### **SPARE PARTS LISTS**



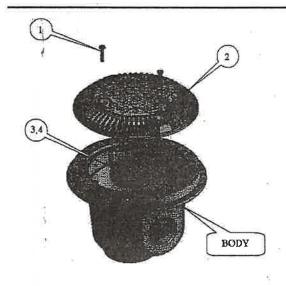
WG1048AVPAK2/WG1049AVPAK2

ITEM	SPARE PART	DESCRIPTION	QTY
1	*WGX1030Z2A	SCREW SET	1.0
2	**WGX1048E	COVER, SUCTION OUTLET	1.0
2	**WG1048EW	COVER, SUCTION OUTLET	1.0
3	WGX1048B	RING, SUCTION OUTLET	1.0
4	SPX1048D	GASKET	2.0
5	SPX1051Z1	1 1/2 IN PLASTIC PIPE PLUG	1.0
6	SPX1053Z1	2 IN PLASTIC PIPE PLUG	1.0
7	SPX1039Z18	SCREW SET	1.0

#### NOTES:

WG1048AVPAK2 / WG1049AVPAK2 1 1/2" NPT Bottom Plug WG1049AVPAK2 2" NPT Side Plug

- \*-SPARE SCREW SET INCLUDES SCREWS FOR SUMPS WITHOUT METAL INSERTS. IF SUMP HAS METAL INSERTS INSTALLED ADD (M) TO END OF PART NUMBER.
- \*\*-SPARE COVER INCLUDES SCREWS FOR ALL VARIATIONS OF SUMPS, WITH OR WITHOUT METAL INSERTS.



WG1051AVPAK2/WG1052AVPAK2/ WG1053AVPAK2/WG1054AVPAK2

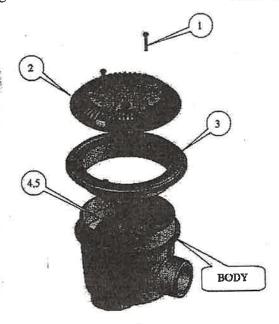
ITEM	SPARE PART	DESCRIPTION	QTY
1	*WGX1030Z1A	SCREW SET	1.0
	***************************************	COVER, SUCTION	4.0
2	**WGX1048E	OUTLET	1.0
		COVER, SUCTION	
2	**WG1048EW	OUTLET	1.0
		1 1/2 IN PLASTIC	
3	SPX1051Z1	PIPE PLUG	1.0
		2 IN PLASTIC PIPE	
4	SPX1053Z1	PLUG	1.0

#### NOTES:

WG1051AVPAK2 / WG1052AVPAK2 1 ½" NPT Bottom Plug WG1053AVPAK2 / WG1054AVPAK2 2" NPT Bottom Plug

- \*-SPARE SCREW SET INCLUDES SCREWS FOR SUMPS WITHOUT METAL INSERTS. IF SUMP HAS METAL INSERTS INSTALLED ADD (M) TO END OF PART NUMBER.
- \*\*-SPARE COVER INCLUDES SCREWS FOR ALL VARIATIONS OF SUMPS, WITH OR WITHOUT METAL Reviewed for Code Compliance INSERTS. Universal Engineering

Sciences



WG1153AVPAK2/ WG1154AVPAK2

ITEM.	SPARE PART	DESCRIPTION	QTY
1	*WGX1030Z1A	SCREW SET	1.0
2	**WGX1048E	COVER, SUCTION OUTLET	1.0
2	**WG1048EW	COVER, SUCTION OUTLET	1.0
3	WGX1153B	EXTENSION COLLAR	1.0
4	SPX1051Z1	1 1/2 IN PLASTIC PIPE PLUG	1.0
5	SPX1053Z1	2 IN PLASTIC PIPE PLUG	1.0

#### NOTE:

SP1153AVPAK2 / SP1154AVPAK2 2" NPT Bottom Plug

- \*-SPARE SCREW SET INCLUDES SCREWS FOR SUMPS WITHOUT METAL INSERTS. IF SUMP HAS METAL INSERTS INSTALLED ADD (M) TO END OF PART NUMBER.
- \*\*-SPARE COVER INCLUDES SCREWS FOR ALL VARIATION OF SUMPS, WITH OR WITHOUT METAL INSERTS.



WG1030AVPAK2

ITEM	SPARE PART	DESCRIPTION	QTY
1	*WGX1030Z1A	SCREW SET (8" ROUND)	1.0
2	**WGX1048E	COVER, SUCTION OUTLET	1.0
2	**WG1048EW	COVER, SUCTION OUTLET	1.0
3	WGX1058C	ROUND FRAME	1.0

- \*-SPARE SCREW SET INCLUDES SCREWS FOR SUMPS WITHOUT METAL INSERTS. IF SUMP HAS METAL INSERTS INSTALLED ADD (M) TO END OF PART NUMBER.
- \*\*-SPARE COVER INCLUDES SCREWS FOR FRAME, WITH ( WITHOUT METAL INSERTS.

SEE NOTICE ON PAGE 3 FOR FIELD FABRICATED OUTLETS

# SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.



#### HAYWARD® LIMITED WARRANTY

This equipment was inspected before shipment from our plant. To original purchasers of this equipment, Hayward Pool Products, 620 Division Street, Elizabeth, New Jersey, warrants its products free from defects in materials and workmanship for a period of ONE (1) year from the date of purchase.

Parts which fail or become defective during the warranty period, except as a result of freezing, negligence, improper installation, use, or care, shall be repaired or replaced, at our option, without charge, within 90 days of the receipt of defective product, barring unforeseen delays.

To obtain warranty replacements or repair, defective components or parts should be returned, transportation paid, to the place of purchase, or to the nearest authorized Hayward service center. For further Hayward dealer or service center information, contact Hayward customer service department. No returns may be made directly to the factory without the express written authorization of Hayward Pool Products

To original purchasers of this equipment, Hayward Pool Products warrants its vacuum release systems to be free from defects in materials and workmanship for a period of **ONE** (1) year from the date of purchase.

Vacuum Release Systems which become defective during the warranty period, except as a result of freezing, negligence, improper installation, use or care, shall be repaired or replaced, at our option, without charge.

All other conditions and terms of the standard warranty apply.

Hayward shall not be responsible for cartage; removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

The Hayward Pool Products warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

Some states do not allow a limitation on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

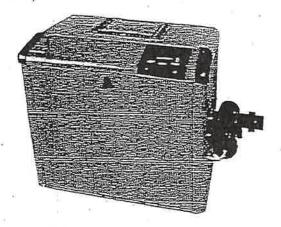
This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.



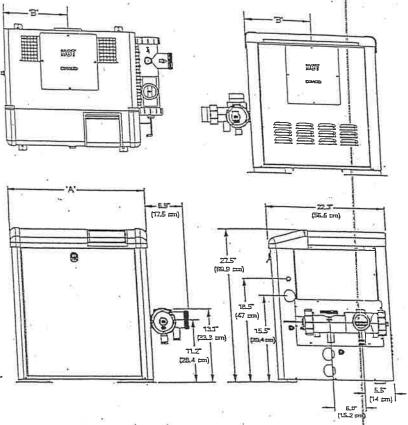


# **Technical Specifications**

LXi™ Heaters



- Digital, remote control, automation ready
- Communicates with the AquaLink® RS family of controls
- Fan assisted low NOx combustion
- Lightweight polymer headers
- NN and PN models include cupro-nickel tubes
- NC and PC models include copper tubes, bronze headers and ASME® Certified rating.
- NS and PS are cupro-nickel and bronze ASME Certified



	,			X T 6.1%, 6
Part No. ,	Description	8	Part No.	Description
LXi250N	LXI 250K BTU, NAT, Polymer Headers	32	LXi300P	LXI 300K BTU, LP, Polymer Headers
LXi250P	LXi 250K BTU, LP, Polymer Headers		LXi400N	LXI 400K BTU, NAT, Polymer Headers
LXi300N	LXI 300K BTU, NAT, Polymer Headers	•	LXI400P	LXI 400K BTU, LP, Polymer Headers
	8			

#### LXi Specifications

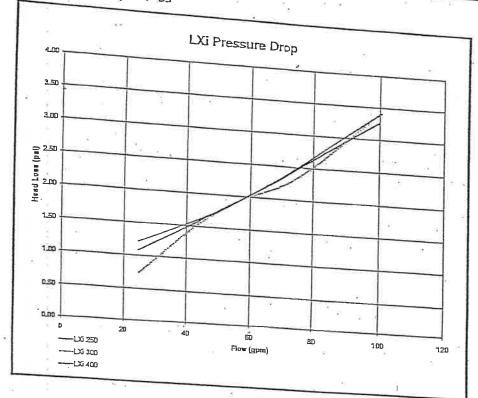
	- Heater Dim		Heater S Mid-		Vent Di (Cate	ameter gory I)	Firing i	Rate	Heater Location	
Model	īn.		in.	zm	in.	zm -	BTUHR	kozl g	in.	sm į
250	23.5	59.7	10.5	26.7	5	15.2	250,000	53	, 10.5	25.7
300	26.5	67.3	12.9	32.8	7	17.8	300,000	75	12_9	32_8
400	32.0	81_3	15.6	39.7	В	20.3	399,000	101	15.6	39.6



www.ZodiacPoolSystems.com

## LXi™ Heater rdering Instrictions

Model	Si e	F el Type	Part n m ers contain et een ' to ' characters.
LXI	250		changer and Host
	300	Natural as	Left blank or well
	400	N	Polymer Headers Standard Copper Head Standard Coppe
* I		Propane as	N Nickel Cupro-Nickel Heat Exphana
1		P	N Nickel Cupro-Nickel Heat Exchanger, Polymer Headers  C Bronze Headers, Copper Heat Exchanger, Polymer Headers
			C Bronze Headers, Copper Heat Exchanger, ASME® Rating  Bronze Headers, Cupronickel Headers
			S Bronze Headers, Cupronickel Heat Exchanger, ASME® Rating Rating Salt







## Jandy Pro Series CS Series Single Element Cartridge Filters

The CS Filters utilize single element cartridges designed to provide the same great filtration as the CV and CL Models, but in a more compact body. The cartridges on the CS are easily removed, making it simple to clean and care for. Available in 100, 150, 200, and 250 square foot models.

- >> Universal unions fit most Jandy Pro Series products
- >> Easy grip handles for easy lid removal
- >> Extra large 2" drain port for easy cleaning of debris
- >> Pressure gauge with clean/dirty indicator that makes it easy to assess filter condition
- >> The CS Filter is complatible with the Jandy Versa Plumb® System.



Zodiac Pool Systems, Inc.

2620 Commerce Way, Vista, CA 92081 1.800.822.7933 | www.ZodiacPoolSystems.com

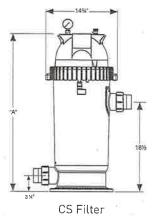
Zodiac Pool Systems Canada, Inc.

2115 South Service Road West, Unit #3, Oakville, ON L6L 5W2 1.888.647.4004 | www.ZodiacPoolSystems.ca

## **CS SERIES**Single Element Cartridge Filter



#### DIMENSIONS



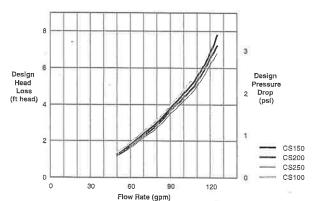
0511

#### **SPECIFICATIONS**

Specifications and Dimens	ions, CS Series F	ilters		
Model Number	CS100	CS150	CS200	CS250
Filter Area	100 ft <sup>2</sup>	150 ft <sup>2</sup>	200 ft <sup>2</sup>	250 ft <sup>2</sup>
Design Flow Rate	1 gpm/ft²	"85 gpm/ft²	.625 gpm/ft²	.5 gpm/ft²
Maximum Flow	100 gpm	125 gpm	125 gpm	125 gpm
Six (6) Hour Capacity	36,000 gallons	45,000 gallons	45,000 gallons	45,000 gallons
Eight (8) Hour Capacity	48,000 gallons	60,000 gallons	60,000 gallons	60,000 gallons
Normal Start Up Pressure	6-15 psi	6-15 psi	6-15 psi	6-15 psi
Max. Working Pressure	50 psi	50 psi	50 psi	50 psi
Cartridges Required	1	1	Ť	1
Shipping Weight	28 lbs.	28 lbs//	34 lbs.	36 lbs,
Height ("A")	32¾"	323/8"	421/2"	421/2"

#### PERFORMANCE

#### CS Filter Head Loss Curves







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## Save up to 90% on energy costs with the VS FloPro 2.0 HP Variable-Speed Pump

VS FloPro is designed to save you money. It's variable speed motor allows for dramatic energy savings, especially when operated at lower speeds. In addition, it's innovative adjustable base allows for simple installation on new construction, or quick and easy replacement of existing pumps.

## >> Ultra high efficiency motor

Features a totally enclosed fan-cooled (TEFC) permanent magnet brushless DC motor for cooler operation and extended motor life.

#### >> Quiet

Advanced motor design allows VS FloPro to run at energy saving lower speeds for significantly quieter operation.

#### >> Digital controller included

2 x timed speeds/8 speeds total. Remotely mounted controller provides easy access to pump controls. Reliable battery backup ensures time and settings are stored during power outages.

#### >> Compact

High performance pump in an ultra compact body. Fits easily in small equipment areas.



#### >> Additional Features

- Adjustable base included
- 2" unions and 2" internal threads
- Ergonomic easy-transport handle
- High profile easy-grip handles with large capacity basket
- >> Complies with Appliance Efficiency Standards (CEC Title 20 & ANSI®/APSP-15) and qualifies for power rebates, where offered.



Zodiac Pool Systems, Inc. 2620 Commerce Way, Vista, CA 92081 1.800.822.7933 | www.ZodiacPoolSystems.com

Zodiac Pool Systems Canada, Inc. 2115 South Service Road West, Unit #3, Oakville, ON L6L 5W2 1.888.647.4004 | www.ZodiacPoolSystems.ca





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#### VS FLOPRO 2.0 HP VARIABLE-SPEED PUMP

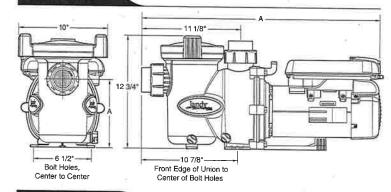
With Digital Controller



#### **BASE OPTIONS**

Type of Base	Components	Fits	
Option 1	No base required	Hayward®Super Pump® Pentair® SuperFlo®Sta-Rite®SuperMax®	
Option 2	Small base	Hayward Super II <sup>™</sup> , Jandy Pro Series Plus HP & Max HP	#11###################################
Option 3	Small base with spacers	Pentair WhisperFlo," Sta-Rite® Dyna-Glas	
Option 4*	Small base + large base	Sta-Rite Max-E-Pro®, Sta-Rite Dura-Glas®, Sta-Rite Dura-Glas II, Sta-Rite Max-E-Glas®	

#### **DIMENSIONS**



#### **SPECIFICATIONS**

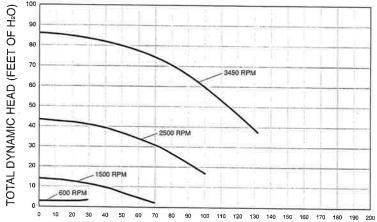
Model No.	Horse Power	Voltage	Watts	Recommended Pipe Size*	Carton weight	Overall Length 'A'
VS-FHP 2.0	2.0	208-230 VAC	2,400 W	21/2-3"	56.0 lbs	273/16"

<sup>\*</sup>Always follow local building and safety codes for pipe sizing and guidelines

#### **PERFORMANCE**



#### VS-FHP2.0 PERFORMANCE CURVES



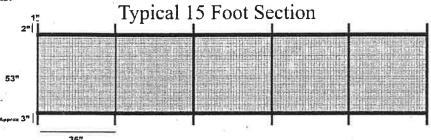
FLOW RATE, GALLONS PER MINUTE, (GPM)





#### SAFE ZONE FENCING® SPECIFICATION SHEET

SAFE ZONE FENCING® has always strived to produce a quality product. We use only the best material available for all of our individual component parts. We have had our fence tested by an independent testing laboratory and these tests are available upon request. Because we are so sure of our product, we offer a lifetime warranty to the original purchaser of our fence. SAFE ZONE FENCING® meets or exceeds all of the requirements of the Florida Building Code. Our fence is available in fifteen-foot sections.



Poles / Molding We use only the finest aluminum alloys in the make up of our poles and moldings. SAFE ZONE FENCING ® poles are re-enforced to insure that they are among the strongest in the industry. Approximately three inches of the poles are set into non-conductive sleeves. The poles are set on 36" centers (30" center on our five foot tall fence) Our poles are 53" overall length (64" on the five foot tall fence). These poles have been tested by an independent engineering firm and certified to meet the requirements of the Florida Building Code.

**Powder Coating** All of our metal parts are powder coated in a state of the art powder coating facility. This process insures longer lasting protection of our metal parts against the harsh chemicals commonly found around a swimming pool.

<u>Mesh</u> We use vinyl coated mesh that is considered one of the finest in the industry. It has been tested to resist mold, mildew, and fading. It is so strong that it will not tear even after being cut. It meets the three different ASTM standards required by the Florida Building Code.

Binding / Thread Our binding is Marine quality, re-enforced to resist tearing, and UV protected to inhibit fading. The thread is coated to stand up to the tough elements found around swimming pools.

<u>Screws</u> We use stainless steel  $\#8 \times \frac{1}{2}$ " screws. No less than ten screws per pole are used. There is a minimum of two screws at the top and two screws at the bottom and the remaining screws are evenly spaced throughout the pole.



## Adjusting the Length of a Section

On some installations it may be necessary to adjust the length of

one panel in a section of fence. This adjustment is usually done on a panel of fence towards the back of the pool. Adjustments are easily done by following this steps:

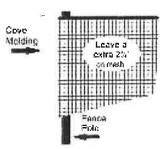
- 1. Remove the cove molding from the last pole on the you are about to shorten.
- 2. Determine the length of your last panel. Remember to leave 2"-3" for the last latch.
- Add 2.5" to the material. You will need this extra mesh to double over and re-enforce the mesh where you made you cut.
- 4. Cut the material and fold it over. Leave about a 1/2" of material to extend past the molding after it is reattached.
- 5. Re-install the molding strip. Please remember to use all of the screws that came with the original fence.

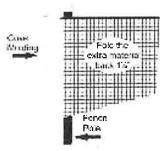
## Wood Decks

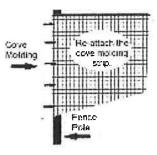
The recommended method is to insert a piece of PVC pipe at least 12" below the grade. Please remember to account for the height of the deck above the grade before cutting any pipe. The hole you drill in the deck should be the same as the outside diameter of the pipe you are using.

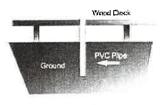
### **Grass or Dirt**

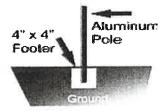
Never extend panels of fencing more than 6 feet over grass or dirt without putting down a concrete or wood footer. For sections of less than 6 feet, insert a PVC pipe into the ground. The PVC pipe will support your poles.





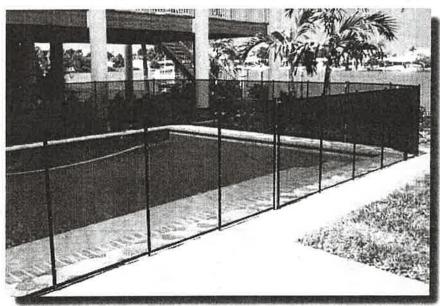






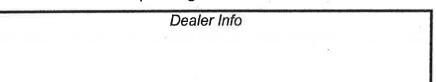


## **INSTALLATION GUIDE**



#### **MEASURING**

The recommended distance between the edge of the pool and your SAFE ZONE® fencing should be between 20 and 24 inches. This will allow your pool maintenance people to access the edge of the pool. In order to avoid running short on fence, always remember to use the same perimeter as you used when you estimated the footage for your pool. Do not place any poles less than 8 inches from the pool edge or outside of the deck.





February 10, 2004

Subject:

Test Report Letter of Certification Vinyl Coated Polyester Core Mesh ASTM G154 (G53) – Weatherability MACTEC Project 6380-04-0202.01

As requested and authorized, MACTEC has reviewed the test report from Q-Lab Florida of Homestead, Florida, dated November 14, 2003 (and addendum letter dated February 5, 2004), which you provided to us. The test report described the test procedures and results for the accelerated weathering tests performed on the samples of mesh to be used in the safe zone<sup>7M</sup> pool fence you provided Q-Lab Florida.

It should be noted that as stated in the addendum letter to the report, ASTM has replaced the G53 weatherability test specified in the Florida Building Code with ASTM standard G154 (see attached), which was used for these tests.

Based solely on a review of this report, the subject mesh exceeds the performance requirements for weatherability (1,200 hours) specified in Section 424.2.17.1.15.2 of the Florida Building Code, 2004 revisions. A copy of the test report is attached to this letter for reference.

Please contact us if you have any questions concerning this letter.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

Robert D. Stricklin Project Manager

Attachment: ASTM G53 Abstract

Q-Lab Report

P. LBW-Group's Facilities PROMECTS Protect 2004 0202 TikiTeki0202 G154-G53 In disc

Brian J. DuChene, P.E. Principal Engineer Licensed, Florida No. 45856







7252 Narcoossee Rd., Orlando, FL 32822 407-384-7744 \* Fax 407-384-7751 Website: www.ctlarch.com E-mail: ctlarch.com

CTL Number: 0912J

Test Date: 24<sup>th</sup> October 2003 Report Date: 24<sup>th</sup> October 2003

### Data Sheet

#### Tension Test #1:

- Tension test on One (1) inch extruded aluminum X-Pole fifty-three (53) inches in length.
- The test assembly was secured into a one (1) inch I.D. plastic sleeve that was embedded four (4) inches into standard construction concrete approximately 3,000 PSI. The pole was placed into the plastic sleeve 3 5/8" inches down into plastic sleeve
- The specimen was pulled with the one (1) 2,000 pound Cable-Hoist secured with chains and/or straps to fixed re-action mask from thirty-six 36" inches measured upward from the concrete surface.
- Ultimate tension load reached was 52 pounds when specimen reached attainable load, the X-Pole started to deform at the concrete surface, at the top of the plastic sleeve area, the test was terminated. Based on these test results, the aluminum X-Pole complies with Section 424.2.17.1.15 (1) of the Florida building code.

#### Tension Test #2:

- Tension test on One (1) inch extruded aluminum X-Pole fifty-three (53) inches in length.
- The test assembly was secured into a one (1) inch l.D. plastic sleeve that was embedded four (4) inches into standard construction concrete approximately 3.000 PSI. The pole was placed into the plastic sleeve 3.5/8" inches down into plastic sleeve
- The specimen was pulled with the one (1) 2,000 pound Cable-Hoist secured with chains and/or straps to fixed re-action mask from thirty-six 36" inches measured upward from the concrete surface.
- Ultimate tension load reached was 70 pounds and held for thirty-seconds, failure occurred at 80 pounds.
- Failure occurred when the X-Pole started to deform at the concrete surface, at the top of the plastic sleeve area. Based on these test results, the aluminum X-Pole complies with Section 424,2,17.1.15 (1) of the Florida building code.

Tested by Joshua L. Smith

Ramesh Patel P.E.







7252 Narcoossee Rd., Orlando, FL 32822 407-384-7744 • Fax 407-384-7751 Website: www.ctlarch.com E-mail: ctlarch.com

CTL Number: 0912J

Test Date: 24
Report Date: 24

24<sup>th</sup> October 2003 24<sup>th</sup> October 2003

## Data Sheet

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- Ultimate tension load reached was 52 pounds when specimen reached attainable load, the
  X-Pole started to deform at the concrete surface, at the top of the plastic sleeve area, the
  test was terminated. Based on these test results, the aluminum X-Pole complies with
  Section 424.2.17.1.15 (1) of the Florida building code.

#### Tension Test #2:

- Tension test on One (1) inch extruded aluminum X-Pole fifty-three (53) inches in length.
- The test assembly was secured into a one (1) inch I.D. plastic sleeve that was embedded four (4) inches into standard construction concrete approximately 3,000 PSI. The pole was placed into the plastic sleeve 3 5/8" inches down into plastic sleeve
- The specimen was pulled with the one (1) 2,000 pound Cable-Hoist secured with chains and/or straps to fixed re-action mask from thirty-six 36" inches measured upward from the concrete surface.
- Ultimate tension load reached was 70 pounds and held for thirty-seconds, failure occurred at 80 pounds.
- Failure occurred when the X-Pole started to deform at the concrete surface, at the top of the plastic sleeve area. Based on these test results, the aluminum X-Pole complies with Section 424,2,17.1.15 (1) of the Florida building code.

Tested by Joshua L. Smith

Ramesh Patel P.E.

Reviewed for Code Compliance Universal Engineering Sciences





7252 Narcoossee Rd., Orlando: FL 32822 407-384-7744 • Fax 407-384-7751 Website: www.etlarch.com E-mail: otlarch.com

CTL Number: 0

Test Date:

0912J 24<sup>th</sup> October 2003

Report Date:

24th October 2003

Client: Pool Sitter, Inc.

12087 62nd Street Unit 8 Largo, FL 33773

#### **Product Type:**

The product tested is referred to as an aluminum X-Pole; the specimen is a one (1) inch extruded aluminum (6063 T6) pole with a length of fifty-three (53) inches. TikiTek Outdoor-the manufacture of Safe Zone Pool Barriers provided the specimens.

#### Test Specification:

Horizontal tension tests on one (1) inch extruded aluminum X-Pole fifty-three (53) inches in length. The testing was intended to demonstrate compliance with the horizontal load requirements specified in Section 424.2.17.1.15 (1) of the Florida Building Code.

#### Test Equipment:

Test set-ups were secured with a one (1) inch LD, plastic sleeve that was embedded four (4) inches into standard construction concrete approximately 3,000 PSI. One (1) 2,000-pound Cable-Hoist was used for Tension Testing the fifty-three (53) inch X-Pole. One (1) 10,000-pound Omega Force Gauge S.N.# 1101164 was used to measure ultimate tension force.

#### **Test Procedure:**

Two (2) aluminum X-Poles were tested for tension. Each test assembly was secured into a one (1) inch l.D. plastic sleeve that was embedded four (4) inches into standard construction concrete approximately 3,000 PSI. The pole was placed into the plastic sleeve 3 5/8" inches down into plastic sleeve, please refer to Typical Setup picture View 1. The specimens were pulled with the one (1) 2,000 pound Cable-Hoist secured with chains and/or straps to fixed re-action mask from thirty-six 36" inches measured upward from the concrete surface, please refer to Typical Setup picture View 2. Each assembly was independently put under tension with constant increments until 52 pounds of tension was reached or failure occurred. Ultimate failure is defined at the point of maximum load under tension before load started to decrease due to specimen starting to deform under tension.

#### Test Results-

Aested by Joshua L.

Please refer to the attached data sheet and views 3 and 4 for specimen #1 and views 5 through 8 for specimen #2 for calculation of maximum load under tension and type of failures.

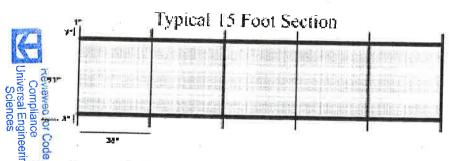
Ramesh Patel P.T.

5 111 29



**Drilling** 

The four foot tall Safe Zone® removable mesh comes in 15 foot lengths with 36 inches between poles. Our five foot tall fence comes in 12.5 foot lengths with 30" between poles. You will need to drill 1.25" diameter holes.

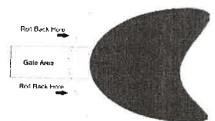


There is no substitute for good planning. Compute how many sections you will need. Starting at the middle of main access point to the pool, start to measure and mark off 36" segments. When you reach the end on your first 15 foot section, leave a 2" to 3" gap.

36" 36" 36" 36" 36" 2"-3" Hole Drilling Guideline For Typical 15' Section 2"to 3" Gap Between Sections

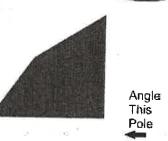
Then repeat the marking process for your next section.

Move around the pool working clockwise. If you need to make any cuts or alter any sections, you may want them in the back of the pool as far removed from the main access point as possible.



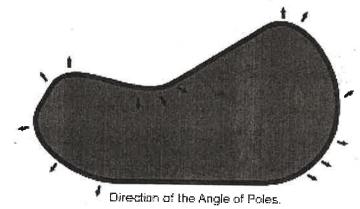
**Roll Back Gate** 

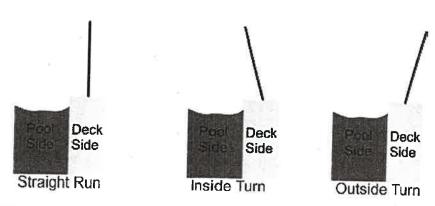
Roll back or fold back gate holes are drilled using the guidelines shown to the right. Check with you customer determine which sections they want drilled with gate holes.



## Inside/Outside Curves

Poles on a curve need to be angled away from the inside of the curve. To accomplish this, adjust the drill angle 5 degrees. The more you angle the poles the poles the tighter the mesh will be. See the drawing below.





After the drilling is complete, remove the concrete plugs and tap down the non-conductive sleeves into each hole. The deck is now ready for you to drop the fence into it.

Drop each section into the sleeves remembering to start each pole at an angle and then straighten them as you put each pole into the sleeve. Work your way around the pool until every section is in the deck.

The final step is to install the fasteners between each section. Remove the second screw down from the top of the molding and insert the eyes. HAND TIGHTEN ONLY DO NOT USE A TOOL TO TIGHTEN.

## Total Dynamic Head Calculation Worksheet



### ZODIAC POOL SYSTEMS, INC.

Job #: Date: 3/27/2017 Company: Dreamscapes Pools and Spas, Ilc. Job Name: HERRERA Address: 4124 ISLE VISTA FL. City/Town: ORLANDO Zip Code: State:

Instructions: Data can only be added to the yellow cells. Steps #1 & 2 are for calculating Pool Volume in Gallons and for establishing a turnover rate in Gallons Per Minute (GPM). If the turnover rate is already established, click on the GPM cell at the end of Step #2 and input flow rate, then proceed to Step #3. Pressing the RESET button will clear all inputed information to start a new worksheet. Worksheet can be saved to a file or printed for future reference.

10,100

Caution: Pressing the RESET button will clear all yellow cells to start a new worksheet.

#### System TDH Calculation Results

Water (TDH)

Total Friction Loss in PSI

32.23 13.95

Step # 2
Calculate GPM & Turnover Rate in Hours
Gallons Run Time (hrs.) Run time (n 40

Sten#3



Versa Plumb Reduction Results 2.90

**TDH Reduction** al System TDH with Versa

29.33

	Calculate Total	Length of Suction Pipe: (recommended velocity: 6 fps and below)						
System GPM	Suction Pipe Size	Velocity (ft./sec.) at System GPM	Friction loss in FL of water / ft.	Total Length of Pipe	Friction Loss in FL of Water	Friction Loss in PSI		
30 72 QANISATI	The state of the said		0.095		0.00	0.00		
	Esta a Million	3.84	0.028	IRTO RESIDEN	0.00	0.00		
	3.40	2.72	0.012	95	1.13	0.49		
		1.72	0.004	OF DEVELOPMENT	0.00	0.00		
	The second	1.00	0.001	NUTERING IN	0.00	0.00		
		0.44	0.000	1.30 8.12	0.00	0.00		
	The state of the s	d		TOTAL	1.13	0.49		



瑟	Step # 4 Calculate Total	Length of Retur	n Pipe: (recomme	rided velocity	8 fps and belo	w)
	Return Plpe Size	Velocity (ft./sec.) at System GPM	Friction loss in Ft. of water / ft.	Total Length of Pipe	Friction Loss in Ft. of Water	Friction Loss in PSI
	4 60	6.28	0.095		0.00	0.00
剪	2	3.84	0,028	100	2,77	1,20
器	25"	2.72	0.012		0.00	0.00
풙	THE CONTRACT OF THE CONTRACT O	1.72	0.004	OF THE PARK	0.00	0.00
		1.00	0.001		0.00	0.00
E.		0.44	0.000		0.00 7	0.00
20	Sales Sa			TOTAL	2.77	1.20

Fitting Size	Standard 90° Elbow	e Fittings: (Input Long Radius 90° Elbow	Standard 45° Elbow	Insert Coupling	Tec (straight flow)	Tee (branch flow)	Friction Loss In Ft. of Water	Friction Loss in P
1:5°	Tribe lateral		www.mcsep.m.kd21	FW 12/02/07/0	0.00	0,00	0.00	0.00
ction Lass in L of Water	0.00	0.00	0.00	6.00	0.00	2		
2" Historia	21	Cameleyened		5	0.00	× 0.67	4.43	1.92
A.A. Lou	3.49	0.00	0.00	0.28		1	1.88 0.81	
2,5° eq ction Lass in t, of Water	16 1.52	0.00	0.00	0.18	0.00	0.18		0.81
t. of Water		CONTRACTOR SUDGE	27. The House of the Land				0.00	0.00
ction Loss la	0.00	0.00	0.00	0.80	0.00	0.00		
L of Water A"		8 10 1100 3	Mark No. 1940Y			100 Per 100 Pe	0.00	0.00
Iction Loss in FL of Water	0.00	0.00	0.00	0.00	0.00	0.00	04/01/01/02	
e gu			The state of	Marie Constitution		200	0.00	0.00
iction Loss of Francount	0.00	0.00	0.00	0.00	0.00	0.00		2.73



Step # 6
Calculate Static Suction & Discharge Lift:
Input Total Feet Priction Loss In
of Lift Ft. of Water PSI
0.5 0.50 0.22

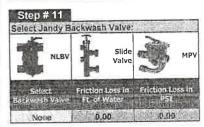
Step # 7				
Calculate Exit	Loss:			(学) (1) (2) (2)
Input Size of Return Eyeball	Input Number of Return Eveballs	Individule Return GPM	Friction Loss in Ft. of Water	Friction Loss in PSI
1/2"	3	13	9:34	4.04

Select 3-Way Valve 90° Flow Size:	90° Flow	
Check Valve Input Number o	f Friction Loss in Ft of Water	Friction Loss in PSI
	0.00	0.00
		0.00
2"	0.80	CARLES AND THE PROPERTY.
2" 25" 5	6.35	2.75
2" 2.5" 5	The second secon	the second second second second

STATE OF THE PARTY	Valve Straight Size:	Straight Through Flow			
3-way Valve Pipe Size	Input Number of 3-way Valves	Friction Loss in FL of Water	Friction Loss in PS		
91		0.00	0.00		
V 2 1 U		0.00	0.00		
And the last of th		0.72	0.31		
2.5	The second secon	A THE RESIDENCE AND A PARTY OF THE ABOVE			

	Valve 90° Flow ze:	90*	Flow
	Tapet Number of Check Valves		Priction Lass in PS
8/15/1		0.00	0.56
20		0.00	0.00
2.5 <sup>h</sup>	AND THE STREET	0.00	0.00
Total Chec	k Valve Loss	0.72	0.31

Step#9		
Select Jandy	Fitter Type and S	
Select Filter	Friction Lass in FL of Water	Friction Loss In 751
CS150	1.00	0.43



Step # 13			-
Select Caretak	er In-floor Valve		-
Select In-floor Valve	Friction Loss in Ft. of Water	Friction Loss in PSI	DS
None	0.00	0.00	<u>umemmumumu</u>

Step # 10		ul Civo
Select Jandy H		Friction Loss in
Selest Reater	Ft, of Water	251
LXi250	3.42	1.48
W. Fred Mark St.		
Step # 12		- Control Control
Select AquaPu	re Salt Cell:	A CALLES
-7-5	- L	
terring	1912 H	(Comments
RLM.	100	W-W-10
180° Insta	1	90° Install
	Friction Lass in	Friction Loss in
	Ff. of Water	THE USI THE
THE PARTY OF THE P	TO THE TANKS OF THE PARTY OF TH	D. 16 (17) (20) (11) (12) (22) (23) (23) (23) (23) (23) (23) (2





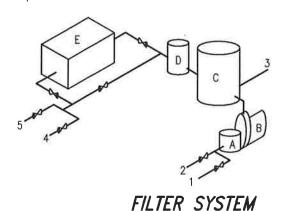
## ANSI-7 Suction Outlet Safety Compliance Data Sheet

(One sheet for each drain or set of drains in the system)

Job Name	HERRERA				
Address:	4124 ISLE VISTA AVE				
	BELLE ISLE, FL. 32812				
	*******		# #		
THIS DATA	AIS FOR THE: POOL AUXILI	ARY (Spa, Fea	ture(s) etc.). 🖾		
SUCTION	OUTLET(S)				
Single unb (if single und Drain make	drains: yes 🛛 no 🗍 (if no, go vlockable 🗎 Two or more 🖾 nblockable, indicate make, model & flow e & model: MAYWARD 8"ROUND er flow rate: 125.7 gpm	to trunk & retur w rating then go			
System flow rate: 40GPM gpm  Method of determining system flow:  40GPM System flow from the TDH Calculator (attach calculation sheet)  32.23 Total dynamic head calculation (attach calculation sheet)  N/A Simplified total dynamic head ( attach pipe length + filter + heater resistance)					
PUMP SELECTION  Pump make & model: VARIABLE SPEED  (attach pump performance curve, indicating flow as calculated above)					
	ing size $\frac{2.5}{}$ inch @ 6 fps or lower size $\frac{2.5}{}$ inch @ 8 fps		Reviewed for Code Compliance Universal Engineering Sciences		
PIPE SIZE SUMMARY - THIS JOB - PER THE APPLICABLE STANDARD:					
Suction side Return side Return side Auxiliary dr Auxiliary dr Auxiliary re Vacuum lin	e filtration branch piping size e filtration trunk line piping size filtration branch piping size filtration trunk line piping size ain branch suction line piping size = ain trunk suction line piping size = turn line piping size = e, if installed shall be sized to flow at 8 self-latching cover per ANSI-7	2.5 in. 2.5 in. 2 in. 2 in. N/A in. N/A in. N/A in. fps per ANSI-5 2 in.	per ANSI-1 5 or 7 @ 6 fps per ANSI-1 5 or 7 @ 6 fps or 8 fps per ANSI-1 5 @ 8 fps per ANSI-1 5 @ 8 fps per ANSI-7 @ 6 fps per ANSI-7 @ 8 fps per ANSI-5 @10fps and shall be covered with a		

#### GENERAL NOTES

- For pool plan, size, deck, and special details, see Contractor's Pool Plan.
- Pool Walls shall be 5" thick and Floors shall be 6" thick and shall be pneumatically applied Concrete with a Compressive Strength of 3,000 psi in 28 days. Concrete Decks shall be 2,500 psi. Concrete construction will conform to ACI Standard 318.
- All Pool design, construction and workmanship shall be in conformity with the requirements of Florida Building Code, 5th Edition, 2014 (FBC) Accessibility; FBC Building; FBC Residential, and; ANSI/NSPI-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 2011 (NEC) and Chapter 42 and Chapter 45 of the 5th Edition of the FBC, Residential,
- All Pool Piping to be Schedule 40 PVC, bearing the mark of NSF Approval unless otherwise noted.
- All Reinforcing Steel to conform to ASTM 615, Grade 40. Reinforcing shall be #3 bars at 12" on center in each direction, w/ 15" lap joints in walls and floors up to 6'. Where the pool depth is over 6ft (measured vertically down from the Waterline), use #3 bars at 6" on center in each direction in the areas that exceed
  - If Concrete is cast against Bare Earth without a Separation Barrier, the minimum cover shall be 3". With a Barrier (Steeltex) between Concrete and Earth, the minimum cover shall be 11/3".
- All Metallic Pool Fittings within 5' of the inside wall and deck reinforcing steel to be bonded to the Pool Reinforcing Steel with #8 AWG Copper Wire. The #8 Copper Wire to be run internally and externally with the NEC approved PVC Light Conduit form the Light Niche to the Junction Box. Completion of the pool grounding to the Electrical Panel Ground to be by Electrician.
- Bond all Sheathed Cables, Raceways, Metal Piping and all Fixed Metal Parts not separated by a permanent barrier, if within 5'-0" Horizontally from Water and 12'-0" Vertically of Maximum Water Level.
- Equipotential Bonding to be accomplished in accordance with Article 680 of the Adopted National Electrical Code 2011 (NEC).
- Pool or Patio shall bear only on Rock or Clean Sand, which shall be compacted to provide a Structurally Safe Bearing Capacity. Any Unsuitable Material encountered in excavation shall be removed in its entirety and the area shall be backfilled with acceptable material and properly compacted. Where unsuitable Material cannot be removed, the pool must be redesigned.
- The Contractor must protect Existing Structures from failure by acceptable methods if required. The Engineer accepts no responsibility for the safety of Existing Structures.
- The Design Engineer assumes no responsibility for pool construction in Easements or Required Setback greas. Pool Contractor and/or Owner shall verify the layout and all dimesions shown prior to construction.
- Contractor shall determine the location of all Utilities in relation to the Pool and its Equipment and ensure minimum clearances in accordance with Local Regulations and Ordinances
- Contractor shall provide adequate Temporary Fencing around the construction area to prevent unauthorized entry into the Pool Area.
- If a water supply is provided, a minimum 3" Atmospheric Break will be provided. All Structural, Filtration and Electrical details outlined in these drawings also relate to Spa Construction.
- 16. All Pool and Spa Heaters shall be equipped with an On/Off Switch mounted for "12" O.C.E.W. easy access to allow the Heater to be Shut Off without adjusting the Thermostat settings and to allow restarting without relighting the Pilot Light.
- WARNING! To empty the Pool for any reason, the Hydrostatic Uplift Pressure must be eliminated. The Owner must consult a Contractor experienced in eliminating Uplift Pressure.

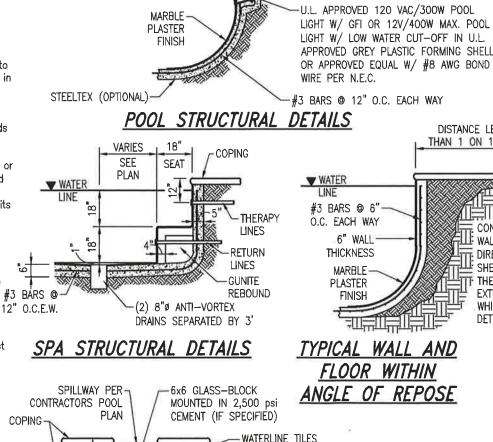


MAIN DRAIN LINE SKIMMER LINE WASTE LINE RETURN LINE PRESSURE CLEANING LINE (OPTIONAL)

HAIR & LINT STRAINER RECIRCULATION PUMP FILTER

IN-LINE CHLORINATOR (OPTIONAL)

HEATER (OPTIONAL)



LENGTH

POOL SECTION

WATER

STEPS

TREAD: 10" MIN. (240 SQ. IN. MIN.)

BOND BEAMS)

18, TO TO

**▼** WATER

POOL STEPS:

RISERS: 12" MAX.

1-#3 BAR CONT. IN 5" THK WALL.

(USE 2-#3 BARS CONT. IN 8"x8"

DISTANCE LESS NEW OR THAN 1 ON 1 + 1 EXISTING STRUCTURE **▼** WATER #3 BARS @ 6" Ö.C. EACH WAY CONTRACTOR MUST PLACE ALL STEEL IN THE POOL 6" WALL WALL AT NO MORE THAN 6" ON CENTER IN BOTH DIRECTIONS IN THIS CRITICAL AREA. ALSO THE POOL SHELL WALL SHALL BE CONSTRUCTED TO 6" THICKNES THICKNESS MARBLE: THE STEEL MAT AND THICKER SHELL WALL SHALL

FYTEND ALONG THE CRITICAL AREA AND TO A POLI **PLASTER** EXTEND ALONG THE CRITICAL AREA AND TO A POINT WHICH IS GREATER THAN THE MINIMUM REQUIRED AS DETERMINED BY THE 1 ON 1 + 1 METHOD.

2-#3 BARS

8"X8" BOND

CONT. IN

BEAM

LINE

6" OF

LINE

TILES

MIN. 11/2" COVER

OVER ALL BARS

(SEE NOTE #5)

FINISH DETAIL

PLAN EXPIRES 1 YEAR FROM THE

SIGNATURE DATE OR THE EFFECTIVE

Skilo Engineering Services, Inc.

Larry B. Schaper, P.E.

FL PE NO. 32046

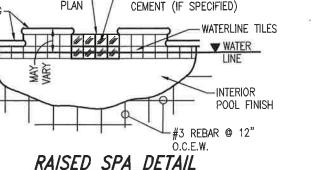
2431 Aloma Ave., Ste. 124

Winter Park, FL 32792

(407) 275-1099

WATER

TYPICAL WALL AND FLOOR WITHIN ANGLE OF REPOSE



Reviewed for Code Compliance versal Engineering

-COPING

-DUAL SUCTION OUTLET AND APPROVED GRATE

WITH 3'-0" OF SEPARATION CENTER LINE TO

CENTER LINE OR APPROVED CHANNEL DRAIN

TO TRANSFORMER

(BY OTHERS)

SET INTO CENTER OF STEEL GRID AT THE

DRAIN COVER/GRATE

MUST CONFORM TO

THE LATEST EDITION

OF ANSI/ASME

112.19.8

6" WATER

LINE TILES

P00L

POOLS DEEPEST POINT

TOPPING ON COMPACTED GROUND W/ ALL

-CONCRETE DECK (OPTIONAL) W/ SLIP RESISTANT

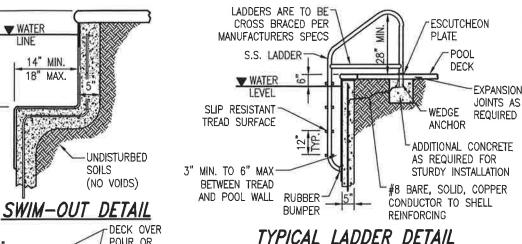
ORGANIC MATERIAL REMOVED. 4" NOM. THK. W/

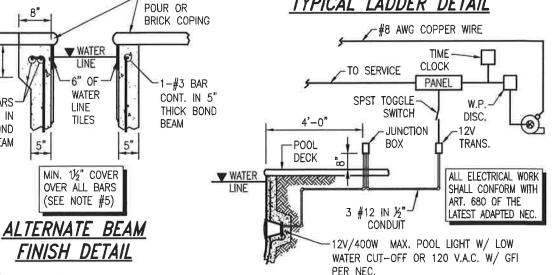
FIBER MESH OR 5" NOM. THK. W/ #3 REBARS.

JUNCTION BOX

(BY OTHERS)

5"





## ELECTRICAL DIAGRAM CITY OF BELLE ISLE

THE PLANS AND SPECIFICATIONS HAVE BEEN REVIEWED. FULL COMPLIANCE WITH CODES AND REGULATIONS ARE REQUIRED BY THE PERMIT HOLDER

APPROVED ICCIUM 4/14/2017 Dreamscapes Pools and Spas, Inc. 4044 W. Lake Mary Blvd. Suite 104327 (321) 229-5526

DATE OF A MAJOR FLORIDA BUILDING Lake Mary, FL 32746 CODE CHANGE WHICHEVER IS SOONER MAR 16 2017

Swimming Pool Specification For:

CPC1457433

JOSE HERRARA-SOTO 4124 ISLE VISTA AVE **BELLE ISLE FL 32812** 

Scale: None

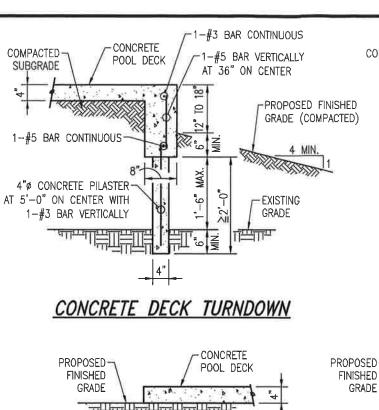
Rev 10 - 06/30/15 T

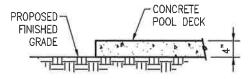
## TURNDOWN NOTES

- Detail is based on NO surcharge behind the Turndown and the Ground away from the Turndown is Level (>4 to 1). Turndown may abut Ribbon Footer and be tied into Footer if Appropriate, with #3 Rebar.
- Turndown shall bear on Rock, Clean Sand or Structurally Sound Soils (>1,500 PSF) that shall be compacted to provide Optimum Bearing Capacity and prevent Settling
- All Reinforcing Steel is to Conform to ASTM 615, Grade 40.
- Concrete shall contain Fiber Mesh and have a 28 Day Compressive Strength of
- All Construction to Conform to Florida Building Code, 5th Edition, 2014, FBC Building and FBC Residential.
- Refer to Contractor's Plan on file with the Building Department for Details on Turndown Location.
- 7. If the Base of the Turndown does not extend into the Old (Existing) Ground, a 4"ø Pilaster 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 Pilaster will have a #3 Rebar tied into the #5 Rebar in the base of the Vertical Pour.
- A Deck Turndown is NOT intended to be a 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, 48" for a 18" Turndown, for more than 20% of the Turndown Length or the Finished Grade Slope exceeds (steeper than) 4' Horizontally and 1' Vertically, a Turndown should not be used.
- 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 (steeper than) 4' Horizontally and 1' Vertically, a Turndown shall not be used.
- A Screen Enclosure is not to be installed on top of any of the depicted Turndowns.

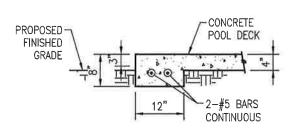
### FOOTER NOTES

- 1. If a Screen Enclosure is to be installed, the Swimming Pool Contractor must Coordinate Design and Construction of any required Footer with the Screen Contractor. Specific Details for Footer to be Provided by the screen Enclosure
- Footer shall bear on Rock, Sand or Structurally Sound Soils (>1,500 PSF) that shall be compacted to provide Optimum Bearing Capacity and prevent Settling or
- Concrete shall have a 28 Day Compressive Strength of 2,500 PSI with Fiber Mesh or 6x6-10x10 W.W. Mesh.
- (3) #3 Rebars is Equivalent to (1) #5 Rebar.
- A Footer may be installed with a Brick Paver Pool Deck if required by the Jurisdiction or at the Option of the Contractor and may be placed over the Top of the Footer or Abutting the Side of the Footer.

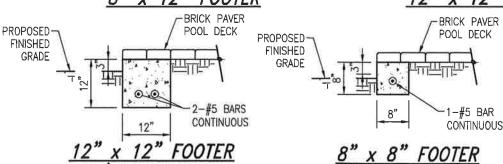




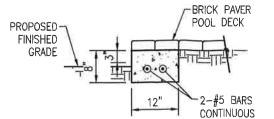
#### NO FOOTER



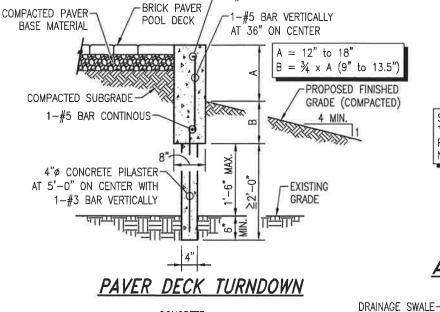
## 8" x 12" FOOTER



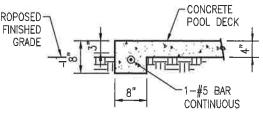
## 12" x 12" FOOTER



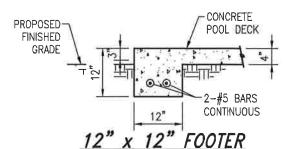
8" x 12" FOOTER PAVER DECK



-#3 BAR CONTINUOUS



## 8" x 8" FOOTER



W/ PAVER DECK

## Compliance

## Reviewed for Code iversal Engineering

## Pools and Spas, Inc.

8"

ALTERNATE PAVER LOCATION

**Dreamscapes** 

POOL DECK

ALTERNATE PAVER ON TURNDOWN

SEE PAVER DECK

TURNDOWN DETAIL

FOR INFORMATION

NOT SHOWN

PAVER SECURED TO TOP

OF TURNDOWN BY PAVER

INDUSTRY STANDARDS

-1-#3 BAR CONTINUOUS

1-#5 BAR VERTICALLY

1-#5 BAR CONTINUOUS

BRICK PAVER

COMPACTED PAVER

BASE MATERIAL

COMPACTED SUBGRADE

POOL DECK

AT 36" ON CENTER

4044 W. Lake Mary Blvd. Suite 104327 Lake Mary, FL 32746

(321) 229-5526 CPC1457433

## Swimming Pool Specification For:

JOSE HERRARA-SOTO 4124 ISLE VISTA AVE BELLE ISLE FL 32812

Scale: None

Rev 10 - 06/30/15 T



Larry B, Schaper, P.E. FL PE NO. 32046 2431 Aloma Ave., Ste. 124 Winter Park, FL 32792 (407) 275-1099

A = 12" to 18"

 $B = \frac{3}{4} \times A (9)$  to 13.5"