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CLIENT OF KIMES ENGINEERING: FUN STATE POOL INC

WORKSHEET SHOWING DATA FOR COMPLIANCE WITH 2010 FBC, ANSI/APSP- 15

OWNER: NORTON ADDRESS: 2663 TUSTENUGGEE AVE LOT: LAKE CITY 32025**ANSI 15 Filtration Flow**VOLUME OF POOL Area 420 x Avg Depth 4.5 = Vol in CF 1890
Vol in CF x 7.48 gal/CF = 14137 gallonsCalculate Maximum Filtration Flow Rate: Pool Volume/ 360 = 39± GPM [if <13,000 use 36 gpm]**ANSI 15 Auxiliary Flow**Calculate Maximum Auxiliary Load Design Flow Rate: N/A
Number Spa Jets X 7 to 15 GPM = — GPM
Or Water Feature Flow: — GPM**ANSI 15 Flow**ANSI 15 Flow: 36 GPM [greater of ANSI 15 Auxiliary Flows and ANSI 15 Filtration Flow]**PUMP FROM APSP LISTING**

Select a pump with Curve A (pools <17,000 gal) or Curve C (pools >17,000 gal) flow equal to or less than ANSI 15 Filtration Flow. May select a multi speed pump with flows acceptable for the ANSI 15 Auxiliary Flow, with acceptable Curve A or C listed flows. Curve A or C flows listed have no relationship or requirement related to ANSI 15 Auxiliary Flow.

Pump Make & Model: INTELLIPRO ISSURS, PENTAIR P6EGX54H-209LPump Flow Rate(s) from Listing: @ Low/Single speed 11 GPM, & @ High Speed 73 GPMPump Control: Filtration Pump has no auxiliary load: —, time clock to be installed.Filtration Pump with auxiliary load: Control for low speed default w/in 24 hrs ISSURS PENTAIR
Make/model
SELF CONTAINED
PROGRAMMING**Size filter on "ANSI 15 Flow"**

Filter Rates: Cartridge= 0.375 gpm/sf; Sand= 15 gpm/sf; DE= 2 gpm/sf

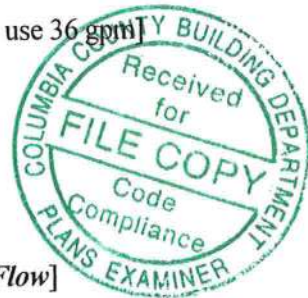
Filter size: ANSI 15 Flow 36 GPM / Rate 375 gpm/sf = 95 SF Min Filter Size
[see pool plan for filter model or show here: STARITE PUM 150]Backwash Valve: 2" or Return Pipe Size: N/A or N/A N/A**ANSI 7 Flow see Site Specific Information Sheet****ANSI 5 Flow:** Depending on the pipe, use any of the ANSI 15 Filtration, or ANSI 15 flows or the flow at 60 ft TDH on the selected pump curve for the ANSI 5 Flow

See flow vs velocity vs pipe size on Standard Engineering.

See summary of pipe sizes on ANSI 7 Site Specific Information Sheet

HEATER MODEL: N/AGAS HEATER EFFICIENCY RATING: N/A with no pilot light [min 78%]HEAT PUMP EFFICIENCY C.O.P.: N/A [min 4.0]

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13410 2nd AVENUE NE / BRADENTON, FLORIDA 34212 / 941-749-0311



Owner: Norton

Permit #: _____

Property Address: 2603 TUSTENUEEE AVE Area: LAKE CITY Lot: 32025

SITE SPECIFIC INFORMATION FOR COMPLIANCE WITH 2010 FBC & ANSI 7

Pump Selection- Brand & Model	FILTRATION PUMP	SPA PUMP	FEATURE PUMP
	<u>INTERPRO ISSUES</u>	<u>SAME</u>	<u>N/A</u>
	<u>VARIABLE SPEED</u>		

CHOOSE OPTION FOR DETERMINING MAXIMUM SYSTEM FLOW AT SUCTION OUTLETS

Maximum Flow from Pump- (Attach product pump curve)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Simplified TDH- (Attach pump curve & Calculation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed TDH Calculation- (Attach pump curve & Calculation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump Flow from Pump Curve with method indicated	<u>Simplified Form</u>	GPM	GPM
Adjusted Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used	<u>N/A</u>	GPM	GPM
Minimum Branch Pipe Size given flow at 6 FPS	<u>N/A</u>	Inch Pipe	Inch Pipe

LISTED SUCTION COVER/GRATE

Number of Suction Outlets	<u>One DISCRETE</u>		
Manufacturer & Model(attach product sheet)	<u>Waterway 640320V</u>		
Maximum Flow Floor(GPM)/ Maximum Flow Wall (GPM)	<u>1</u>	<u>-1</u>	<u>4</u>

TRUNK/SUCTION PIPE SIZING

Minimum Trunk Pipe Size given flow above @ 8 FPS	Inch Pipe	Inch Pipe	Inch Pipe
OTHER PIPE SIZE SUMMARY			
SKIMMER SUCTION- ANSI 15 FLOW @ 6 FPS	<u>3 1/2</u>	FULL FLOW	<u>2"</u>
FILTRATION RETURN SIDE- ANSI 15 FLOW @ 8 FPS	<u>3 1/2</u>		
AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	<u>N/A</u>		
2 ND AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	<u>N/A</u>		
OPTIONAL VACUUM OR SWEEP LINE- ANSI 5 FLOW @ 8 FPS	<u>N/A</u>		

NOTES:

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