

HOW TO DETERMINE SITE SPECIFIC INFORMATION FOR 2007 FBC

Design Activity	Site Specific Information Sheet	Materials for Application Package
Identify the desired filtration recirculation, spa therapy, and feature flows. Select pump(s) and obtain pump curves.	Enter each pump model in item (1). If single pump system with spa, mark "Pool Pump" at Item (2).	Provide copy of pump information, specifically, the pump curve with selected pump model identified.
Indicate method of determining "maximum" flow. Most often this will be by reading the maximum flow from the end of the pump curve.	Mark the appropriate box for the method selected. Item (3).	If the simplified or detailed TDH calculation is selected, the TDH calculation must be provided. If "maximum flow from pump curve" is selected, simply show on copy of pump curve supplied in the package.
Identify the "maximum" flow, by one of the three methods.	Mark the "maximum" flow in item (4).	Indicate this "maximum" flow on the pump curve provided in application package.
Determine adjusted "maximum" flow based on number of suction outlets. That is: 100% for one or two outlets, 66.7% for three outlets, 50% for four outlets.	Mark adjusted "maximum" flow for branch pipe sizing and suction outlet cover selection. Item (5)	Mark this calculation on the pump curve sheet if maximum flow reduced for three or four (or more suction outlets).
Using the adjusted "maximum" flow, enter a pipe size vs. flow chart for various flow velocities to determine minimum "Branch" pipe size at 6 FPS.	Mark minimum Branch pipe size in item (6). Omit if single unblockable suction used.	
Determine number of suction outlets for each pump/body of water. Minimum two outlets, unless unblockable outlet used. May use three or more to get adjusted flow lower to use certain product or pipe size.	Mark number of suction outlets for pump in item (7)	
Identify the product information for the suction outlets covers and sumps if applicable.	Mark the manufacturer and model information in item (8)	Provide copies of product information showing manufacturer, model, approval per ASME/ANSI standards and "Maximum" approved flows.
Identify the "Maximum" approved flow for the suction outlets when placed in the floor and wall.	Mark the maximum approved flows for the suction outlets when installed in the floor/wall, in items (9)/(10).	
Back at the pump curves; locate the pump flow at 60 ft TDH when using pressure cartridge filtration. The ASME/ANSI standards conclude trunk/suction and pressure/return piping may be sized at a normal expected flow and not the "maximum" flow.	Mark the flow for each pump at 60 ft TDH in item (11)	Identify the expected flow at 60 ft TDH on the pump curve.
Using the expected flow at 60 ft TDH, enter a pipe size vs. flow chart for various flow velocities to determine minimum trunk/suction pipe size at 8 FPS.	Mark minimum trunk/suction pipe size in item (12).	
Using the expected flow at 60 ft TDH, enter a pipe size vs. flow chart for various flow velocities to determine minimum pressure/return pipe size at 10 FPS.	Mark minimum pressure/return pipe size in item (13).	
Visit the latest version of ANSI/APSP-7 if there are any questions.	Add notes at bottom as necessary to clarify information provided.	



Owner: _____ Permit #: _____
 Property Address: _____ Area: _____ Lot: _____

SITE SPECIFIC INFORMATION FOR COMPLIANCE WITH 2007 FBC

	FILTRATION PUMP	SPA PUMP	FEATURE PUMP
Pump Selection- Brand & Model	(1)	(1)(2)	(1)
CHOOSE OPTION FOR DETERMINING MAXIMUM SYSTEM FLOW AT SUCTION OUTLETS			
Maximum Flow from Pump- (Attach product pump curve)	(3)	(3)	(3)
Simplified TDH- (Attach pump curve & Calculation)	(3)	(3)	(3)
Detailed TDH Calculation- (Attach pump curve & Calculation)	(3)	(3)	(3)
Pump Flow from Pump Curve with method indicated	(4)	(4)	(4)
Adjusted Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used	(5)	(5)	(5)
Minimum Branch Pipe Size given flow at 6 FPS	(6)	(6)	(6)
LISTED SUCTION COVER/GRATE			
Number of Suction Outlets	(7)	(7)	(7)
Manufacturer & Model	(8)	(8)	(8)
Maximum Flow Floor(GPM)/ Maximum Flow Wall (GPM)	(9) / (10)	(9) / (10)	(9) / (10)
TRUNK/SUCTION PIPE SIZING			
Flow Using Product Pump Curve at 60 FT TDH (1)	(11)	(11)	(11)
Minimum Trunk Pipe Size given flow @ 8 FPS	(12)	(12)	(12)
PRESSURE/RETURN PIPE SIZING			
Flow Using Product Pump Curve at 60 FT TDH (1)	(11)	(11)	(11)
Minimum Pressure Pipe Size given flow @ 10 FPS	(13)	(13)	(13)

NOTE:(1) ANSI/APSP concludes that trunk piping may be sized at normal flow, not maximum flow as required for branch piping.

Site Specific Descriptions as needed: