F	Facility		Date					
	Physical Address							
·		OOL PLAN REVIEW CALCULATIO	NS, COMPONENTS AND PIPING (February 2024)					
(		ect; (X) if need info or not approved	, , , ,					
F	Pool Type and required turn	nover rate denominator in minutes	Pool Type and Turnover Rates					
-	(Use chart to	the right)	6 Hour Turnover USE (360)					
F	Pool perimeter (lengths + width	s)FT	Swimming pool (standing water 0+' but usually 3' min water depth) .2518(b),					
	(circle perimeter = $\pi d$ )		Water slide landing pool >60,000 gal .2543(b), Scuba pool, .2544(e)(2)					
F	Pool surface area (length X wi	dth)SF	3 Hour Turnover USE (180)					
(	(circle area $A=\pi r^2$ )	,	Water slide landing pool <60,000 gal with auto chemical controller					
	Pool volume	GAL	.2543(b)					
			2 Hour Turnover USE (120) Wading pool (24" max depth).2531(a)(3),					
,	(length X width X avg. depth X 7.48),		Water slide pools <60,000 gal without auto chemical controller .2543(b),					
	(circular is $\pi r^2$ X avg depth X 7.48		Training pools (24-36" depth) .2543(e)(1)					
1i	nimum turnover flow rate	required	Exercise therapy spa >1000 gal .2544(d)(2)					
	(pool volume (Ref #4) ÷ assign	ed denominator (Ref #1))	1 Hour Turnover USE (60)					
	Ex. 36,000 ÷ 360 = 100 gpm	GPM	Stand- alone children's activity pool(CAP) .2531(b)(2)					
(م	sign Flow per Engineer or A	Architect GPM	.5 Hour Turnover USE (30)					
Г			Recreational spas, all swim spas, hot tubs .2532(1),					
	.2518 (h) Use circulation of	esign flow rate for:	Interactive Play Attractions (IAPA), Spray grounds .2543(d)(5), Exercise therapy spa <1000 gal .2544(d)(2)					
	1. Calculating # of inlets							
2. Determining filter size								
_	3. Determining pipe size for a si	_	Float Tank .2544(b)(4) 2X every hr. not in use and 2X between @ user  reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval					
Ci	3. Determining pipe size for the size of t	NTS gle speed OR variable speed: Pumps g	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval ss design engineer provided calculated TDH.					
Ci	3. Determining pipe size for the size of t	NTS gle speed OR variable speed: Pumps gits - TDH is assumed at 65 feet of head unles	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval					
Ci	3. Determining pipe size for the size of t	NTS gle speed OR variable speed: Pumps gi - TDH is assumed at 65 feet of head unlesModel #: GPM at 65 FT TDH.	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval ss design engineer provided calculated TDH.					
Ci	3. Determining pipe size for the size of t	NTS gle speed OR variable speed: Pumps gi - TDH is assumed at 65 feet of head unlesModel #: GPM at 65 FT TDH.	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval ss design engineer provided calculated TDH.					
Ci F I r f	3. Determining pipe size to a size of the	NTS gle speed OR variable speed: Pumps gles - TDH is assumed at 65 feet of head unles	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval ss design engineer provided calculated TDH.  HP  Tives. This set up allows the designer to establish a "custom designed flow. This range will include the minimum turnover rate (#5) and the maximum rs, filter, etc.) The pump can be set to a custom design flow, which must fall tof the system and provide a supporting pump curve for the chosen pump.					
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Ci F I I I I I I I	IRCULATION COMPONE irculation Pump: Either single Speed Pumps Pump mfg.;	NTS gle speed OR variable speed: Pumps gles - TDH is assumed at 65 feet of head unles	reater than 3 HP require NSF 50 or 3 <sup>rd</sup> party approval as design engineer provided calculated TDH.  HP  This set up allows the designer to establish a "custom designed flow. This range will include the minimum turnover rate (#5) and the maximum rs, filter, etc.) The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  Tors  Ind sumps.  The leds a flow range maximum.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow, which must fall to f the system and provide a supporting pump curve for the chosen pump.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The pump can be set to a custom design flow.  The p					
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Design Flow Rate Ref # 6 ÷ FILTER RATE listed in chart above = SF of filter surface area required. Refer to filter specification sheet for filter surface area provided. If the filter square footage is not adequate for design flow rate, more than 1 filter will be needed or a different model # required.

	Facility													Page 2
	Number of NSF skimmers rewading pools, Ref #3 ÷ 100 sf	for sp	as or fr	action	thereof	per .2	518(k)(	3), .253	31(a)(2)	and .25	532(4)(b	), G.S. 130	0A-282(c)) & pi	rotected from air entra
	by auto-fill, fill spout/ hose or flo						518 (I).	Auto-f	fill mfg.	#				
	No skimmer equalizers allow Skimmer Mfg	eu ioi	new c	onstru	iction.		& Mod	lel#						
	Skimmer Mfg.  Max flow for Skimmer p	rovid	ed per	NSF L	isting.		G	PM; m	ay requ	ire addi	tional sl	immers if	allowed flow pe	r skimmer is inadequa
	If Gutter pool with Balance S Ex: 1 gal X (Ref #3) =	requir	ed size	of sur	ge tank	in gall	ons.					_		-104 \\0\4 \\
	Note: This can include	capac	aty of th	ie pipir	ig syste	em it si	ubmitte	d. (1 ga	allon pei	r SF of p	pool sur	tace area	required per .25	)18(k)(2)(b) )
	CIRCULATION PIPING AND SUCTION OUTLETS													
10.		Circulation Drain Covers & SUMPS – (Bather accessible submerged suction outlets SOFAs are not allowed in wading pools less than 18" deep References: .2518(J) (1-3), .2532(4)(a) for spas, .2539 (a-c), ANSI/ PHTA/ ICC 7 – 2020 and ANSI/ APSP/ ICC -16 2017												
	<ul> <li>Blockable or unblock</li> </ul>	able p	er man		rer (circ	le one	)							
	<ul> <li>Located within 15 ft.</li> </ul>				na far d	roinina		rovidos	J					
	<ul><li>Located in deepest s</li><li>Dual drains connected</li></ul>									anes of	nool str	ucture		
	<ul> <li>Connected dual drair</li> </ul>					i ai oo	intoi oi	on anic	Jone pic	1103 01	poor su	ucture.		
	<ul> <li>Configuration must m</li> </ul>	neet A	NSI/ PH	HTA/ IC	CC page									
	o If no drains are provi	ded, p	rovisior	ns for e	emptyin	g pool	comple	tely pro	ovided	_				
	Cover Mfg. & Model # Maximum Flow of Drain Cove			CD	NA ELA			_VGB/	A – 201	7 spec	sheet?		Life Span o	of Coverye
	Waxiiiuiii Flow of Diaiii Cove	ei		GF	'IVI, IIC	)OI	OI W	all	, D	oes no	wraung	j exceeu i	nax now or pu	mp (#oa or b)? 1/N
	Feature drain sump Use VGB 2017 drain cover Manufacturer Installation Instructions to verify sump requirements  *** FIELD BUILT SUMPS ARE ANY SUMP NOT SUPPLIED BY THE COVER MANUFACTURER per ANSI-PHTA-ICC 7 - 2020													
	Matching Manufactured Sump					OR Field Built Sump Measurements								
	Model #				Field built sump as specified by cover manufacturer. Y/N									
					Pipe size outlet of sump, Pipe depth									
					05.	P	ipe Ori	entatior	n: side/	bottom,	Sump	Depth		
	Hydrostatic Relief Valve or D *Obtain a copy of final drain	raina(	ge Pro\ , data c	/Iaea p	oer .25°	15 (D). orm fo	Manut r tha fil	acturer	and ivid	odel # _ he engi	ineer o	architect	nrior to first n	
11.	Circulation main drain pipe s	ize re	quired (	using p	ipe sizi	ng cha	art belov	N:				" Plan s	shows	<b>"</b>
	Pipe size must be capable Any flexible piping on spa	e of ca	rrying 1	100% c	lesign	flow o	<b>f</b> circula	ation pu	ımp ( <b>Re</b>	ef #6) pe	er .2518	B(c)		
12.	Skimmers pipe size required (Pipe must handle 100% of de	sign f	low rat	e (Ref	<b>#6</b> ) per	_" (Use r.2518	e Suction (c).	n pipe	sizing a	at bottor	n of pag	ge) Plan	shows	
	Or gutter system overflow pipe size required" Plan shows"													
	Must handle 100% of design fl	pe siz Iow ne	e requi r 2518	rea (c) ( <b>R</b> e	f #6)	se nin	e sizina	∵ Pian chart f	snows . to check	max fl	ow ner	nine		
	Wast Harrais 100 /0 of assign in	ow po	1 .2010	(0) (110	.i # <b>0</b> ) O	oc pip	o oizirig	onart	.0 011001	· max m	ow por	oipo.		
13.	Inlet return pipe size required	l					Plan sl	nows_						
	Inlet return pipe size required" Plan shows"  Must handle 100% design flow of discharge (Ref #6) per .2518(d) and reduction in pipe branches must be sized to handle flow of inlets in each branch.													
	PVC Sch. 40 Pipe Sizing Chart per .2518(d)													
	P\		-	•		<u> </u>	-	•						
	pipe size	1"	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"			
	Suction PVC pipe @6ft/sec (all drains, skimmers, gutters)	16	38	62	89	138	238	539	935	1474	2093			
	Discharge or Returns (inlets) PVC pipe @10ft/sec	27	63	104	149	230	396	899	1559	2457	3488			
14.	<b>Disinfectant Method</b> : Verify N Mfg. & Model #				•									ference NSF.org
	Mfg. & Model # If salt system, cell capacity/ # c	ells			. If s	alt ger	— ierator i	s prima	ary disir	fectant	, review	manufacti	urer sizina. Per	.2535 (6),
	"Automatic chlorine, bromine (a	and ac	id) pun	nps sha	all be a	utomat	ically p	revente	ed from	operatir	ng wher	the circul	ation pump is n	ot in operation."

5.	Facility									Date Page 3		
	Vacuum cleaning system provided per .2518(f) (vacuum ports located on pool wall 6" - <18" below water level.) If separate vacuum port is required, self-closing caps requiring tools provided per .2518 (f) Skimmer vacuums may be used in pools with 2 or fewer skimmers and negate the need for a separate vacuum port.											
	Vacuum piping, ir requirements.	f separat	ed from skimm	ner operatio	on may be su	ction or dis	charge and	should be	sized according	to vacuum manufacturer's		
6.	Valves provided	to contro	I flow from dra	ins, surface	e skimmers o	r surface o	verflow syst	ems, and v	acuuming clear	ning system .2518 (c) and (f)		
7.	Drainage dischar	ged thro	ough air gap f	rom pool ov	verflow, deck	drains and	l filter backw	ash per .2	513(b)			
	<b>Lighting Require</b> Nighttime swimmir				f pool = watta	age minimu	um. Compa	re to lightir	ng on plans and	if night swimming is requested.		
9.	Minimum deck wi Minimum Deck			t. per .2522	2 (a) – (e) & (	i) ( <b>Ref #3</b>	pool surface	e area)				
		Oı	utdoor Pool	Indoor Po	ol Wadin	g Pool S	Spa		Interactive Play	Permanent Structure		
	Deck Clearance	< '	1600 sf = 6 ft 1600sf = 8 ft	5 ft	4 ft		Ift at least ½		Not Required	5 ft around diving board, handrail, slide, or other permanent structure		
	Vertical Clearance	e NA	<del>\</del>	7 ft	7 ft	7	'ft		Not Required	13 ft above board See Rule .2517		
4	Pool bather load  Portion of Port			area ( <b>Ref</b>	#3) ÷ applica		art below an		own)	POOL DEPTH(s)		
1.	Portion of Pools >5 ft (-300sqft at diving boards) 24sf/person per .2529(2)											
۱.		f Pools >	5 ft (-300sqft a	t diving bo	ards)	24	sf/person pe	er .2529(2)				
1.	Spas, wa	f Pools > ding poo	5 ft (-300sqft a		ards)	24 10	sf/person pe	er .2529(2) er .2529(3)	&.2531(a)(8)			
2.	Spas, wa Interactiv  Restroom fixture where the farthest Divide Ref #2	f Pools > ding poo e play at s based unit is m bather	5 ft (-300sqft a ls, CAP traction splash on bather load lore than 300' load equally b	zone . (.2526) L from the po etween me	Use chart for lool as measu	24 10 25s bath house red along v	sf/person pe sf/person pe sf/person pe es for male/ f valkways, or	er .2529(2) er .2529(3) er .2529(4) female faci nly a toilet	&.2531(a)(8) lities. At hotel, in and lavatory are			
<u>.</u>	Spas, wa Interactiv  Restroom fixture where the farthest Divide Ref #2  Men	f Pools > ding poole play at s based unit is m 2 bather Toilet	5 ft (-300sqft a ls, CAP traction splash on bather load fore than 300' load equally b Lavatory	zone . (.2526) L from the poetween me	Use chart for I pol as measur n and womer Showers	24 10 25s path house red along v	sf/person pe sf/person pe sf/person pe es for male/ f valkways, or Toilet	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet	&.2531(a)(8)  lities. At hotel, rand lavatory are			
	Spas, wa Interactiv  Restroom fixture where the farthest Divide Ref #2  Men  0-50	f Pools > ding poole play at s based unit is m 2 bather Toilet 1	5 ft (-300sqft a ls, CAP traction splash on bather load fore than 300' load equally b Lavatory	zone . (.2526) L from the po etween me Urinal 0	Jse chart for lool as measurn and womer Showers	24 10 25s path house red along von. Women 0-50	Isf/person person person person person person person person person person male/ fivalkways, or Toilet	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet  Lavatory	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1	required.  *If rinse showers are located on		
·	Restroom fixture where the farthest Divide Ref #2.  Men  0-50  51-100	f Pools > ding poole play at s based unit is m 2 bather Toilet 1	5 ft (-300sqft a ls, CAP traction splash on bather load ore than 300' load equally b Lavatory	zone . (.2526) L from the poetween me Urinal 0 1	Use chart for I pol as measu n and womer Showers 1	24 10 25s path house red along v n. Women 0-50 51-100	Isf/person person male/ fivalkways, or Toilet  1 2	er .2529(2) er .2529(3) er .2529(4) er .2529(4) female faci hly a toilet  Lavatory  1 2	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1 1	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department.		
<u>.</u>	Restroom fixture where the farthest Divide Ref #2  Men  0-50  51-100  101-200	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2	5 ft (-300sqft a ls, CAP traction splash on bather load ore than 300' load equally b Lavatory	zone . (.2526) L from the poetween me Urinal 0 1 2	Use chart for I pol as measu n and womer Showers 1 1	24 10 25s path house red along v n. Women 0-50 51-100 101-200	Isf/person person male/ fivalkways, or toilet    1  2  3	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet  Lavatory 1 2 3	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers 1 1 1	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain		
<u>.</u>	Spas, wa Interactive Restroom fixture where the farthest Divide Ref #2  Men  0-50  51-100  101-200  201-300	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2 2 2	5 ft (-300sqft a ls, CAP traction splash on bather load fore than 300' load equally b Lavatory 1 1 2	zone  . (.2526) L from the poetween me Urinal 0 1 2 2	Use chart for I pol as measur n and womer Showers 1 1 1 2	24 10 25s path house red along v n. Women 0-50 51-100 101-200 201-300	Isf/person person person person person person person person person person male/ fivalkways, or Toilet  1 2 3 4	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet  Lavatory 1 2 3 4	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1  1  1  2	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain sewer and cold-water showers on		
	Spas, wa Interactive Restroom fixture where the farthest Divide Ref #2 Men 0-50 51-100 101-200 201-300 301-400	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2 2 3	5 ft (-300sqft als, CAP traction splash on bather load fore than 300' load equally but avatory 1 1 1 2 2 2 3	zone  . (.2526) L from the poetween me Urinal 0 1 2 2 3	Use chart for I pol as measur n and womer Showers  1 1 2 2	24 10 25s path house red along v n. Women 0-50 51-100 101-200 201-300 301-400	Isf/person person person person person person person person person person male/ fivalkways, or sold to the second person	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet  Lavatory 1 2 3 4 5	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1 1 1 2 2	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain		
<u>.</u>	Spas, wa Interactive Restroom fixture where the farthest Divide Ref #2  Men  0-50  51-100  101-200  201-300	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2 2 2	5 ft (-300sqft a ls, CAP traction splash on bather load fore than 300' load equally b Lavatory 1 1 2	zone  . (.2526) L from the poetween me Urinal 0 1 2 2	Use chart for I pol as measur n and womer Showers 1 1 1 2	24 10 25s path house red along v n. Women 0-50 51-100 101-200 201-300	Isf/person person male/ fivalkways, or in	er .2529(2) er .2529(3) er .2529(4) female faci hly a toilet  Lavatory 1 2 3 4	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1  1  1  2	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain sewer and cold-water showers on		
2.	Spas, wa Interactive Restroom fixture where the farthest Divide Ref #2 Men 0-50 51-100 101-200 201-300 301-400 401-500	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2 2 3 3 5	5 ft (-300sqft als, CAP traction splash on bather load ore than 300' load equally blavatory 1 1 2 2 2 3 3 5	zone  . (.2526) Ufrom the poetween me Urinal 0 1 2 2 3 3 5	Use chart for I pol as measure and womer Showers  1 1 1 2 2 3 3	24 10 25s path house red along v n. Women 0-50 51-100 101-200 201-300 301-400 401-500 501-750	Isf/person person male/ fival kways, or in	er .2529(2) er .2529(3) er .2529(4) er .2529(4) female facinly a toilet  Lavatory 1 2 3 4 5 6 7	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1  1  2  2  3  3	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain sewer and cold-water showers on pool decks drain to the deck drains.		
2. 3. 4.	Spas, wa   Interactiv	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 2 2 3 3 5 5 e room n	5 ft (-300sqft als, CAP traction splash on bather load fore than 300' load equally be Lavatory 1 1 2 2 2 3 3 3 5 5	zone  . (.2526) Use from the positive of the p	Jse chart for I pol as measuren and womers  1 1 2 2 3 3 (min 5sf for	24 10 25s boath house red along v n. Women 0-50 51-100 101-200 201-300 301-400 401-500 501-750	Isf/person person perso	er .2529(2) er .2529(3) er .2529(4) er .2529(4) female facinly a toilet  Lavatory 1 2 3 4 5 6 7	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1  1  2  2  3  3  al per .2534(2)	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain sewer and cold-water showers on pool decks drain to the deck drains.		
3. 4.	Spas, wa Interactive Restroom fixture where the farthest Divide Ref #2 Men 0-50 51-100 101-200 201-300 301-400 401-500 501-750 Chemical storage Flow Meter: Mfg The flow meter meter minutes and storage flow meter meters and storage flow meters and	f Pools > ding poole play at s based unit is m 2 bather Toilet 1 1 2 2 3 3 5 5 • room n . & Modellust have	5 ft (-300sqft als, CAP traction splash on bather load fore than 300' load equally be Lavatory 1 1 1 2 2 2 3 3 3 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6	zone  . (.2526) Use from the positive of the p	Jse chart for lool as measured and womer Showers  1 1 2 2 3 3 (min 5sf for we of the min	24 10 25s path house red along vol.  Women 0-50 51-100 101-200 201-300 301-400 401-500 501-750  10Kgal + 1	Isf/person person male/ fivalkways, or in its in it	er .2529(2) er .2529(3) er .2529(4) female facinly a toilet  Lavatory 1 2 3 4 5 6 7	8.2531(a)(8)  lities. At hotel, rand lavatory are  Showers  1  1  2  2  3  3  al per .2534(2)	*If rinse showers are located on pool deck, 1 per every 200 bathers *Shower drains are enforced by the building codes department. Typically, showers in bathhouses drain sewer and cold-water showers on pool decks drain to the deck drains.		

Facility		Date	Page 4							
•	JETS (if available) Use additional sheets for extra									
Features such as water slides, waves, rapids, lazy pipe(s) are sized to handle the flow of all pumps w	rivers, interactive play features can be included in main of ithout exceeding flow velocities in .2518 per .2543 (d) (3) ldren's activity pools so they can be turned off at times.	circulation system IF the								
Features such as waterfalls and decorative fou _not occupy more than 20% or the pool perimete _if located next to water > 5', feature shall not be		ng per .2515(g)(1-6):								
not encourage climbing above deck level with h										
walkway provided to permit free access around decorative feature as wide as the lesser of 5 feet or required deck width in .2522(e) shall not obstruct the view of any part of the pool from any seating area										
Feature with moving water must be separate fr	om pool re-circulation system. (separate plumbing with a	n isolation valve)								
Fountains installed WITHIN SWIMMING POOL be located in water <18" in depth	must meet the following per .2516(f)(1-5):									
must be recommended by manufacturer for us	e in public pools (not residential)									
shall be installed in accordance with manufactu										
shall be separate from the circulation system	accord above water									
shall not releasee water at a velocity > 10' per	second above water.									
supporting pump curve for the chosen pump t	ovide manufacturer spec sheets with flow ranges for foo assure pump is adequate. Include ALL features on	the same pumping sy								
	Pentair ColorVision LED bubbler @ 15 GPM with ½" no c.									
Design Flow Range for TOTAL features connections (S) mfg :	cddcted to feature pump to function properly:	toGPM								
Max flow per pump curve to feature drains, add both flows for total maximur	Model #:  GPM (Use the lowest TDH on highest speed for VSP.  n flow for sizing VGB cover): Total maximum flow of both	If more than one feature	pump connects SPM							
Feature pump suction pipe size required	" Plan shows_		"							
	e size must be capable of carrying 100% design flow (Reng pipe. Any flexible piping on spa shells meets .2518(d)		provided per							
References: .2518(j)(1), 2518(j)(3), .2532(4)(a) for Number of drains provided:  Blockable or unblockable per manufacturer (or number of the number	ssible submerged suction outlets SOFAs are not allow or spas, ANSI/ PHTA/ ICC 7 – 2020 and ANSI/ APSP/ IC circle one)		ess than 18" deep							
<ul> <li>Located within 15 ft. from a side wall</li> <li>Located in deepest section or other means for</li> </ul>	or draining pool provided									
<ul> <li>Located in deepest section or other means for draining pool provided</li> <li>Dual drains connected by T pipe at least 3' apart at center or on different planes of pool structure.</li> </ul>										
<ul> <li>Connected dual drains are less than 30' apart</li> </ul>										
<ul> <li>Configuration must meet ANSI/ PHTA/ ICC page 7 and 8</li> <li>If no drains are provided, provisions for emptying pool completely provided</li> </ul>										
<ul> <li>(Use VGB 2017 drain cover Manufacturer Installation Instructions to verify sump requirements</li> </ul>										
Cover Mfg. & Model # VGBA – 2017 spec sheet? Life Span of Cover year										
Cover Mfg. & Model # VGBA – 2017 spec sheet? Life Span of Cover year Maximum Flow of Drain Cover: GPM, floor or wall,										
(Cover rating must be higher than max feature pump flow per *.2539(c)(2).)										
Feature drain sump	SUPPLIED BY THE COVER MANUFACTURER per ANS	SLPHTA-ICC 7 - 2020								
Matching Manufactured Sump	OR Field Built Sump Measurements									
Model #	Field built sump as specified by cover manu									
	Pipe size outlet of sump, Pipe depth Pipe Or									
	pliance form for the file signed by the engineer or arc	hitect at final construc	tion visit and							
prior to first permit.										
•	" Plan shows"	(Use chart l	nelow)							