



FROM P1
58' 2-1/8"
62' 3-1/2"
74' 0-1/2"
73' 6-3/8"
73' 6-5/8"
46' 7-1/2"
49' 4-1/4"
38' 9"
30' 9-3/8"
27' 3-5/8"
34' 10-3/4"
32' 3-3/4"
63' 0-5/8"
27' 6"
FROM P2
78' 10-1/2"
82' 3"
85' 3-1/4"
84' 0-1/8"
83' 7-3/4"
47' 6-3/4"
48' 1-3/4"
33' 10-3/8"
53' 5-5/8"
51' 9-1/2"
32' 8-1/4"
24' 11"
66' 10-3/4"
53' 3-1/8"

MAIN P	OOL DATA
POOL DIMENSIONS:	53'-11 3/4" X 82'-3 1/2" OVERALL
	IRREGULAR SHAPE.
POOL DEPTHS:	12" SHELF w/ 3'-5'
POOL VOLUME:	57,394 GALLONS
SURFACE AREA:	2,677 SQFT.
PERIMETER:	233 LF
COPING:	BULLNOSE INDEPENDENT
CIRC REQ FLOW:	159 GPM @ 65 TDH
CIRC DESIGN FLOW:	190 GPM @ 65 TDH
FEAT DESIGN FLOW:	210 GPM @ 65 TDH
SHELL MATERIAL:	4000 PSI SHOTCRETE
INTERIOR FINISH:	KONA QUARTZ PLASTER
BATHER LOAD:	179 PERSONS
BACKWASH TO:	STORM SEWER
WATER SOURCE:	IN-LINE AUTOFILL
PIPE SIZING:	
CIRC MAIN DRAINS:	(2) 4" SCH 40 PVC
FEAT MAIN DRAINS:	(2) 4" SCH 40 PVC
SKIMMERS:	(7) 4" SCH 40 PVC
VACUUM LINE:	(1) 2" SCH 40 PVC
INLETS:	(11) 3" SCH 40 PVC
FILTER TYPE:	HIGH RATE SAND
SIZE PROVIDED:	2 @ 7.06 SF (EA) = 14.12
SIZE REQUIRED:	14.00 SF TOTAL
MEDIA CIRC. RATE:	15 GPM/SF
BACKWASH RATE:	15 GPM/SF
TURNOVER RATE:	6 HOURS

CHE	CKED BY:		DSC/JLH
POWELL AMENITY		BATHHOUSE AMENITY	LILLINGTON, NC

PROJECT #:

DATE ISSUED:

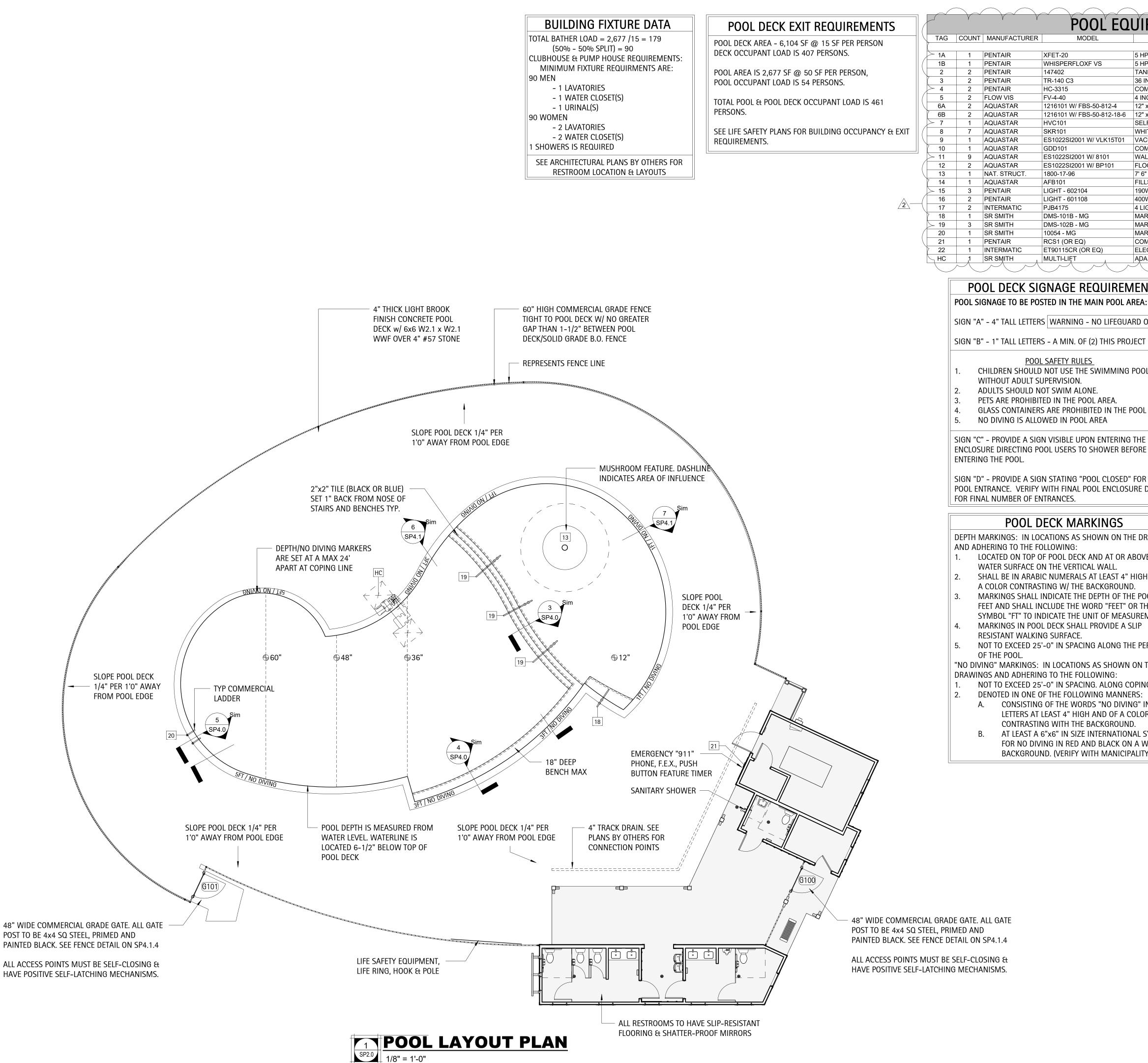
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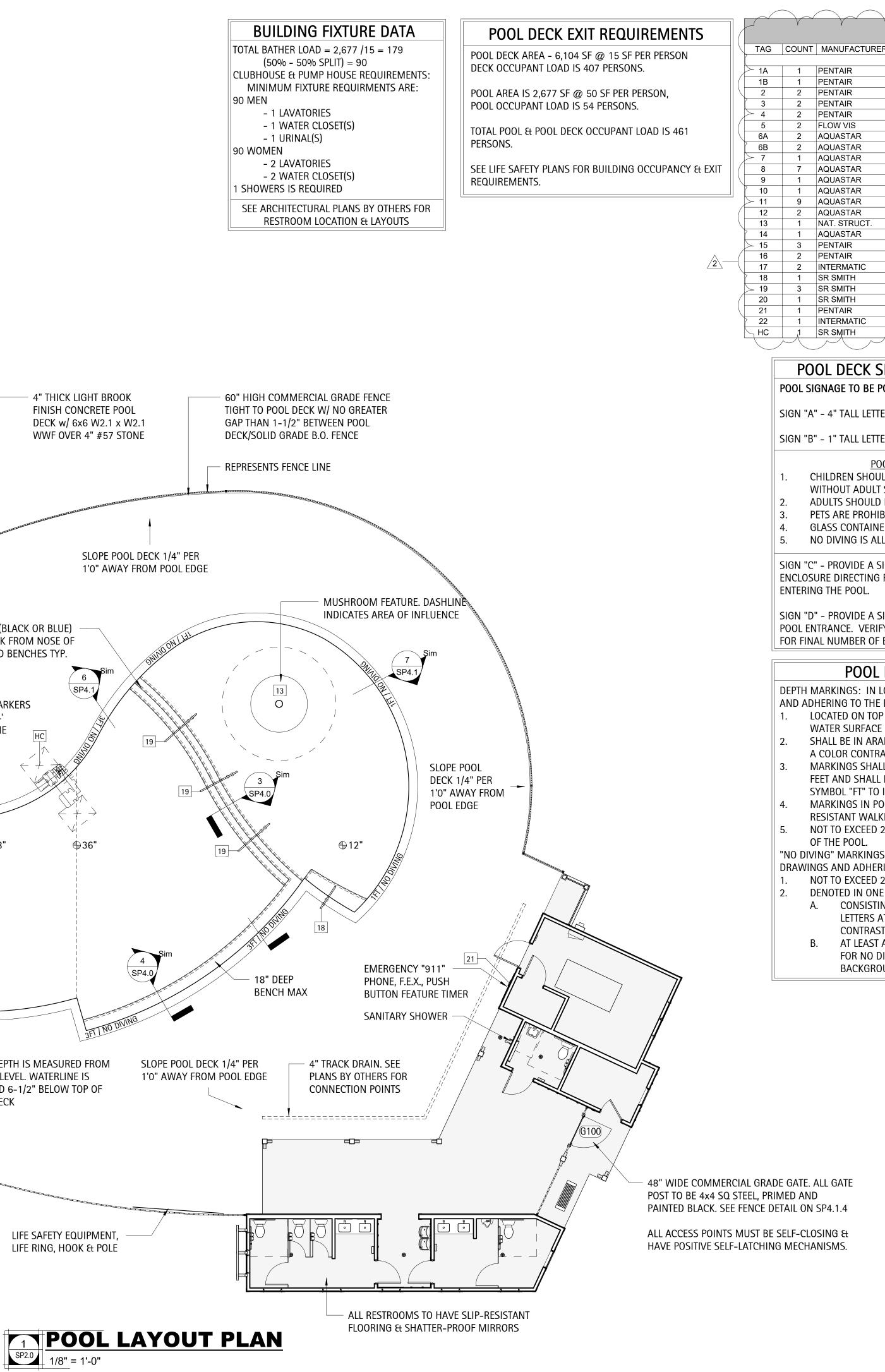
2023015

JVD

01/22/2024

SP1.0





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MODEL	COMMENTS
	•
XFET-20	5 HP SELF-PRIMING PUMP W/ STRAINER BASKET + EXTRA STRAINER
WHISPERFLOXF VS	5 HP SELF-PRIMING PUMP W/ STRAINER BASKET + EXTRA STRAINER
147402	TANDEM FILTER PIPING KITS FOR 2 & 3 IN FILTERS
TR-140 C3	36 INCH DIA HIGH RATE SAND FILTER W/ 7.06 SF OF MEDIA
HC-3315	COMMERCIAL HIGH COMPACITY CHLORINE FEEDER
FV-4-40	4 INCH INLINE COMMERCIAL FLOW METER
1216101 W/ FBS-50-812-4	12" x 12" VGB SUCTION OUTLET COVER W/ A.S.A. MFG FIBERGLASS SUMP
1216101 W/ FBS-50-812-18-6	12" x 12" VGB SUCTION OUTLET COVER W/ A.S.A MFG FIBERGLASS SUMP
HVC101	SELF-CONTAINED HYDROSTATIC RELIEF VALVE
SKR101	WHITE COMMERCIAL GRADE SKIMMER
ES1022SI2001 W/ VLK15T01	VACUUM LINE FITTING W/ LOCK CAP
GDD101	COMMERCIAL OVERFLOW DRAIN
ES1022SI2001 W/ 8101	WALL RETURN INLET - DIRECTIONAL
ES1022SI2001 W/ BP101	FLOOR RETURN INLET W/ BUBBLER PLATE
1800-17-96	7' 6" DIA MUSHROOM FEATURE (200 GPM @ 3" DIA) - CAP COLOR TBD
AFB101	FILLSTAR - AUTOFILL LINE - WHITE
LIGHT - 602104	190W EQUIVALENCY GLOBRITE WHITE LED LIGHTS
LIGHT - 601108	400W EQUIVALENCY INTELLIBRITE WHITE LED LIGHTS
PJB4175	4 LIGHT CONNECTION POOL & SPA JUNCTION BOX
DMS-101B - MG	MARINE GRADE DECK MOUNTED HANDRAIL - SHORT
DMS-102B - MG	MARINE GRADE DECK MOUNTED HANDRAIL - STANDARD
10054 - MG	MARINE GRADE DECK MOUNTED COMMERCIAL LADDER
RCS1 (OR EQ)	COMPOOL REMOTE SWITCH WALL GANG PLATE - TIMER FOR PUSH BUTTON FOR FEATURE
ET90115CR (OR EQ)	ELECTRIC TIMER FOR FEATURE PUMP
MULTI-LIFT	ADA COMPLIANT HANDIÇAP LIFT

POOL DECK SIGNAGE REQUIREMENTS POOL SIGNAGE TO BE POSTED IN THE MAIN POOL AREA:

- SIGN "A" 4" TALL LETTERS WARNING NO LIFEGUARD ON DUTY

 - POOL SAFETY RULES
 - CHILDREN SHOULD NOT USE THE SWIMMING POOL
 - GLASS CONTAINERS ARE PROHIBITED IN THE POOL AREA.
- SIGN "C" PROVIDE A SIGN VISIBLE UPON ENTERING THE POOL
- SIGN "D" PROVIDE A SIGN STATING "POOL CLOSED" FOR EVERY POOL ENTRANCE. VERIFY WITH FINAL POOL ENCLOSURE DESIGN

POOL DECK MARKINGS

- DEPTH MARKINGS: IN LOCATIONS AS SHOWN ON THE DRAWINGS
 - LOCATED ON TOP OF POOL DECK AND AT OR ABOVE THE WATER SURFACE ON THE VERTICAL WALL. SHALL BE IN ARABIC NUMERALS AT LEAST 4" HIGH AND OF A COLOR CONTRASTING W/ THE BACKGROUND.
 - MARKINGS SHALL INDICATE THE DEPTH OF THE POOL IN FEET AND SHALL INCLUDE THE WORD "FEET" OR THE SYMBOL "FT" TO INDICATE THE UNIT OF MEASUREMENT MARKINGS IN POOL DECK SHALL PROVIDE A SLIP
 - NOT TO EXCEED 25'-0" IN SPACING ALONG THE PERIMETER
- "NO DIVING" MARKINGS: IN LOCATIONS AS SHOWN ON THE NOT TO EXCEED 25'-0" IN SPACING. ALONG COPING EDGE. DENOTED IN ONE OF THE FOLLOWING MANNERS CONSISTING OF THE WORDS "NO DIVING" IN LETTERS AT LEAST 4" HIGH AND OF A COLOR
 - CONTRASTING WITH THE BACKGROUND. AT LEAST A 6"x6" IN SIZE INTERNATIONAL SYMBOL FOR NO DIVING IN RED AND BLACK ON A WHITE BACKGROUND. (VERIFY WITH MANICIPALITY)

POOL SAFETY REQUIREMENTS PROVIDE SAFETY PROVISIONS PER SECTION .2530. THE MINIMUM BEING:

- A. 12' LONG (MINIMUM) METAL POLE WITH A BODY HOOK SECURELY ATTACHED. THE POLE SHALL BE NON-TELESCOPING, NON-ADJUSTABLE & NON-COLLAPSIBLE. MINIMUM 1/4" DIA THROWING ROPE AS LONG AS
- 1-1/2 TIMES THE MAX WIDTH OF THE POOL OR 50', WHICHEVER IS LESS, ATTACHED TO A U.S. COAST GUARD APPROVED RING BUOY.
- TWO UNITS OF LIFESAVING EQUIPMENT MUST BE C PROVIDED FOR ANY POOL THAT EXCEEDS 3,000 SQ FT (186 SQ M) OF TOTAL SURFACE AREA.

EMERGENCY TELEPHONE SERVICE:

THE TELEPHONE SERVICE.

- TELEPHONE CAPABLE OF DIRECTLY DIALING 911 OR OTHER EMERGENCY NOTIFICATION SYSTEM SHALL BE PROVIDED AND ACCESSIBLE TO ALL POOL USERS.
- THE TELEPHONE SHALL BE PERMANENTLY AFFIXED TO A LOCATION INSIDE THE POOL ENCLOSURE OR OUTSIDE THE ENCLOSURE WITHIN 75' OF THE BATHER ENTRANCE.
- THE TELEPHONE SHALL BE VISIBLE FROM WITH THE POOL ENCLOSURE OR A VISIBLE SIGN SHALL BE POSTED INDICATING THE LOCATION OF THE EMERGENCY PHONE. AT THE TELEPHONE - PROVIDE A SIGN WITH LEGIBLE
- LETTERS PROVIDING THE FOLLOWING INFORMATION. a. – DIALING INSTRUCTIONS
- ADDRESS OF THE POOL LOCATION - TELEPHONE NUMBER OF THE POOL LOCATION. C.

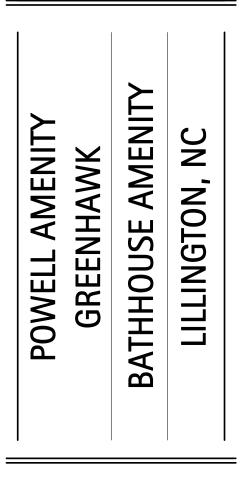
SEE POOL HOUSE PLANS BY OTHERS FOR EXACT LOCATION OF



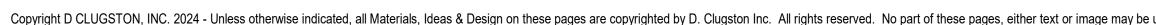
CONSTRUCTION OF BATHHOUSE, PUMP & CHEMICAL STORAGE ROOMS, SITE WORK, ETC. POOL IS DESIGNED FOR DAWN TO DUSK SWIMMING ONLY

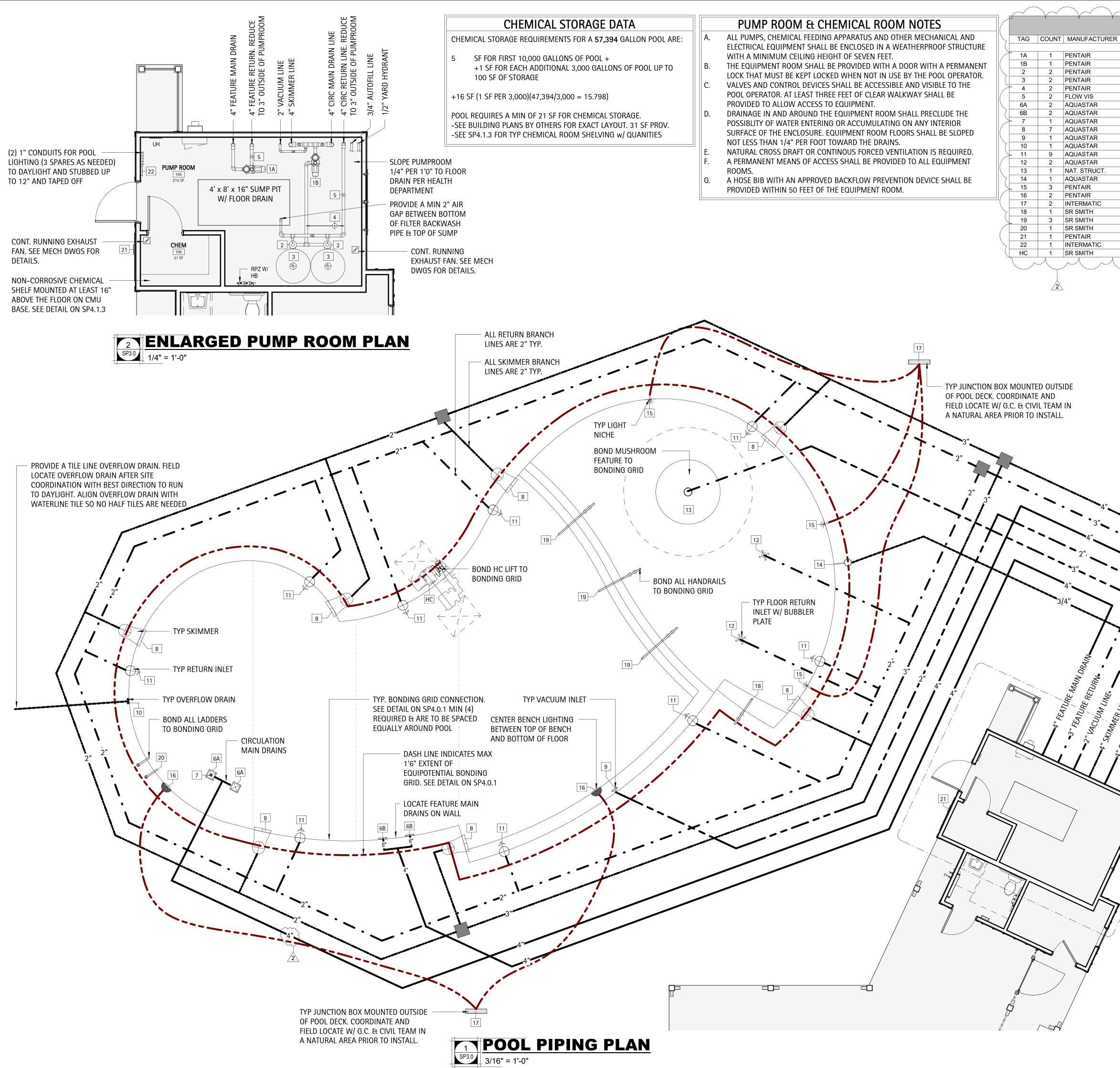
_		
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		IRREGULAR SHAPE.
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	PERIMETER:	233 LF
	COPING:	BULLNOSE INDEPENDENT
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	CIRC DESIGN FLOW:	190 GPM @ 65 TDH
	FEAT DESIGN FLOW:	210 GPM @ 65 TDH
	SHELL MATERIAL:	4000 PSI SHOTCRETE
	INTERIOR FINISH:	KONA QUARTZ PLASTER
	BATHER LOAD:	179 PERSONS
	BACKWASH TO:	STORM SEWER
	WATER SOURCE:	IN-LINE AUTOFILL
	PIPE SIZING:	
	CIRC MAIN DRAINS:	(2) 4" SCH 40 PVC
	FEAT MAIN DRAINS:	(2) 4" SCH 40 PVC
	SKIMMERS:	(7) 4" SCH 40 PVC
	VACUUM LINE:	(1) 2" SCH 40 PVC
	INLETS:	(11) 3" SCH 40 PVC
	FILTER TYPE:	HIGH RATE SAND
	SIZE PROVIDED:	2 @ 7.06 SF (EA) = 14.12
	SIZE REQUIRED:	14.00 SF TOTAL
	MEDIA CIRC. RATE:	15 GPM/SF
	BACKWASH RATE:	15 GPM/SF
	TURNOVER RATE:	6 HOURS





SP2.0





POOL EQUIPMENT SCHEDULE MODEL COMMENTS

XFET-20	5 HP SELF-PRIMING PUMP W/ STRAINER BASKET + EXTRA STRAINER	\leq
WHISPERFLOXF VS	5 HP SELF-PRIMING PUMP W/ STRAINER BASKET + EXTRA STRAINER	14
147402	TANDEM FILTER PIPING KITS FOR 2 & 3 IN FILTERS	
TR-140 C3	36 INCH DIA HIGH RATE SAND FILTER W/ 7.06 SF OF MEDIA	
HC-3315	COMMERCIAL HIGH COMPACITY CHLORINE FEEDER	\leq
FV-4-40	4 INCH INLINE COMMERCIAL FLOW METER	12
1216101 W/ FBS-50-812-4	12" x 12" VGB SUCTION OUTLET COVER W/ A.S.A. MFG FIBERGLASS SUMP	
1216101 W/ FBS-50-812-18-6	12" x 12" VGB SUCTION OUTLET COVER W/ A.S.A MFG FIBERGLASS SUMP	
HVC101	SELF-CONTAINED HYDROSTATIC RELIEF VALVE	\triangleleft
SKR101	WHITE COMMERCIAL GRADE SKIMMER	
ES1022SI2001 W/ VLK15T01	VACUUM LINE FITTING W/ LOCK CAP	
GDD101	COMMERCIAL OVERFLOW DRAIN	
ES1022SI2001 W/ 8101	WALL RETURN INLET - DIRECTIONAL	К
ES1022SI2001 W/ BP101	FLOOR RETURN INLET W/ BUBBLER PLATE	
1800-17-96	7' 6" DIA MUSHROOM FEATURE (200 GPM @ 3" DIA) - CAP COLOR TBD	
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ET90115CR (OR EQ)	ELECTRIC TIMER FOR FEATURE PUMP	
MULTI-LIFT	ADA COMPLIANT HANDICAP LIFT	

UNDERWATER LIGHTING DATA

MAIN POOL AREA: 2,677 SQFT. 2,677 SF x 0.5 WATTS = 1,338.5 WATTS

LIGHTING PROVIDED (12V LED EQ.) 3 GLOBRITE @ 190 WATTS EQ 2 INTELLIBRITE @ 400 WATTS

TOTAL PROVIDED: 1,370 WATTS

SP3.0

PUMP FLOW PIPE SIZING

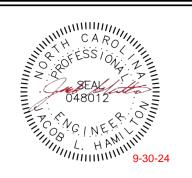
CIRCULATION: WHISPERFLOXF VS PUMP FLOW AT 65 FT OF WATER IS 190 GPM, WITH SPECIFIED: 4" MAIN DRAIN PIPING VELOCITY IS 4.79 FPS. 4" SKIMMER PIPING VELOCITY IS 4.79 FPS. 3" RETURN PIPING VELOCITY IS 8.25 FPS.

FEATURE:

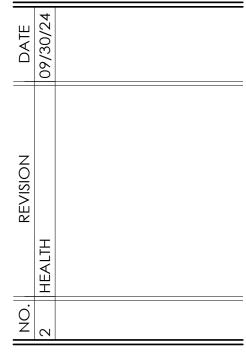
- XFET-20 PUMP FLOW AT 65 FT OF WATER IS
- 210 GPM, WITH SPECIFIED: 4" MAIN DRAIN PIPING VELOCITY IS 5.29 FPS.
- 4" SKIMMER PIPING VELOCITY IS 5.29 FPS
- 3" RETURN PIPING VELOCITY IS 9.12 FPS.





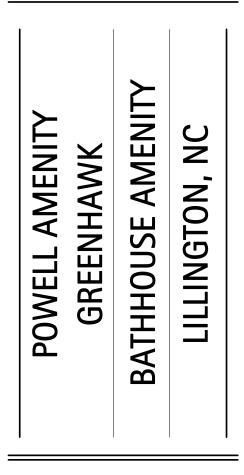






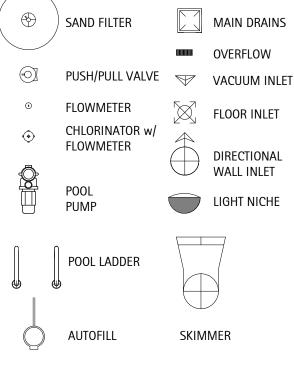
SHEET DISCRIPTION PIPING & ELECTRICAL PLAN

PROJECT #:	2023015
DATE ISSUED:	01/22/2024
DRAWING BY:	JVD
CHECKED BY:	DSC/JLH



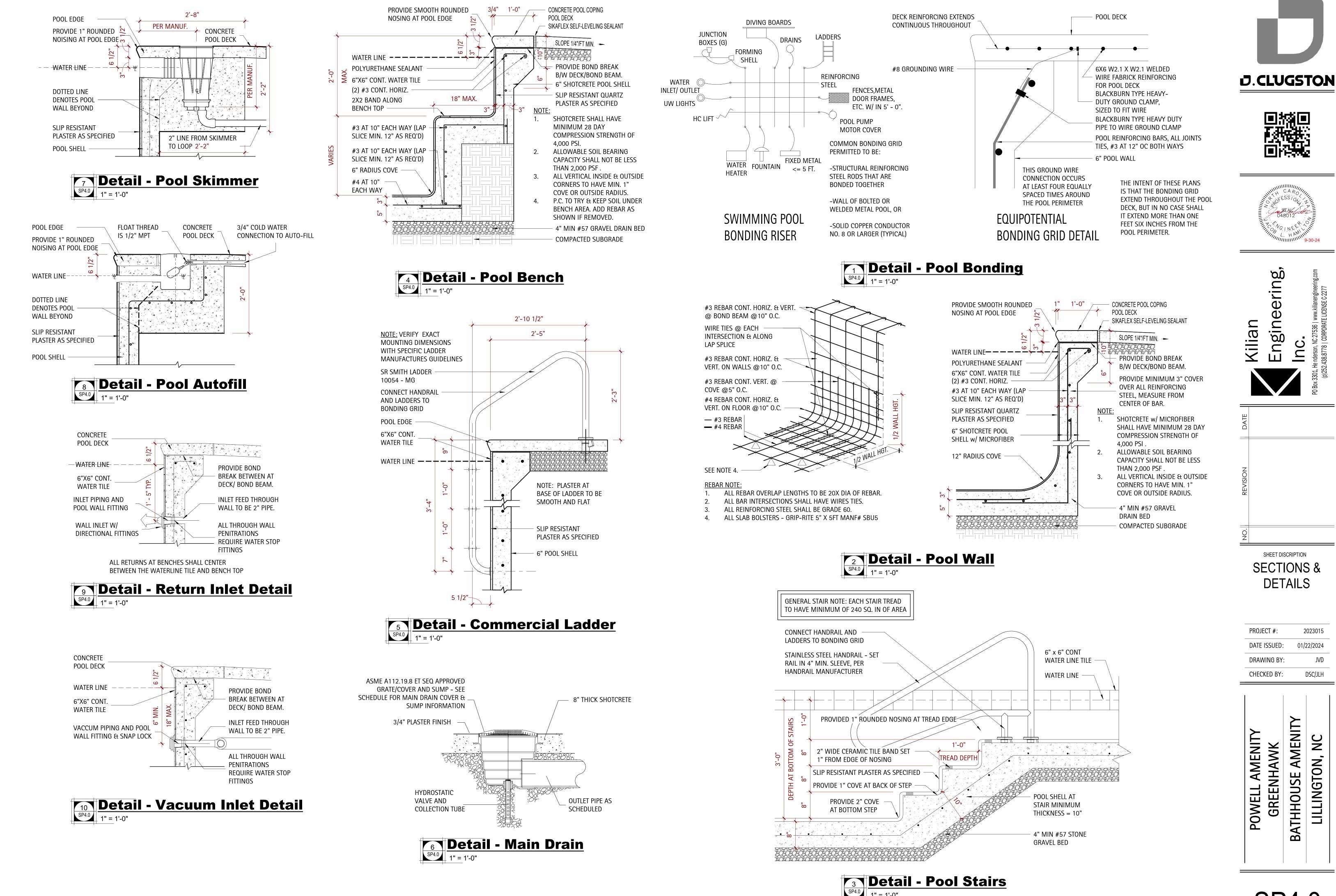
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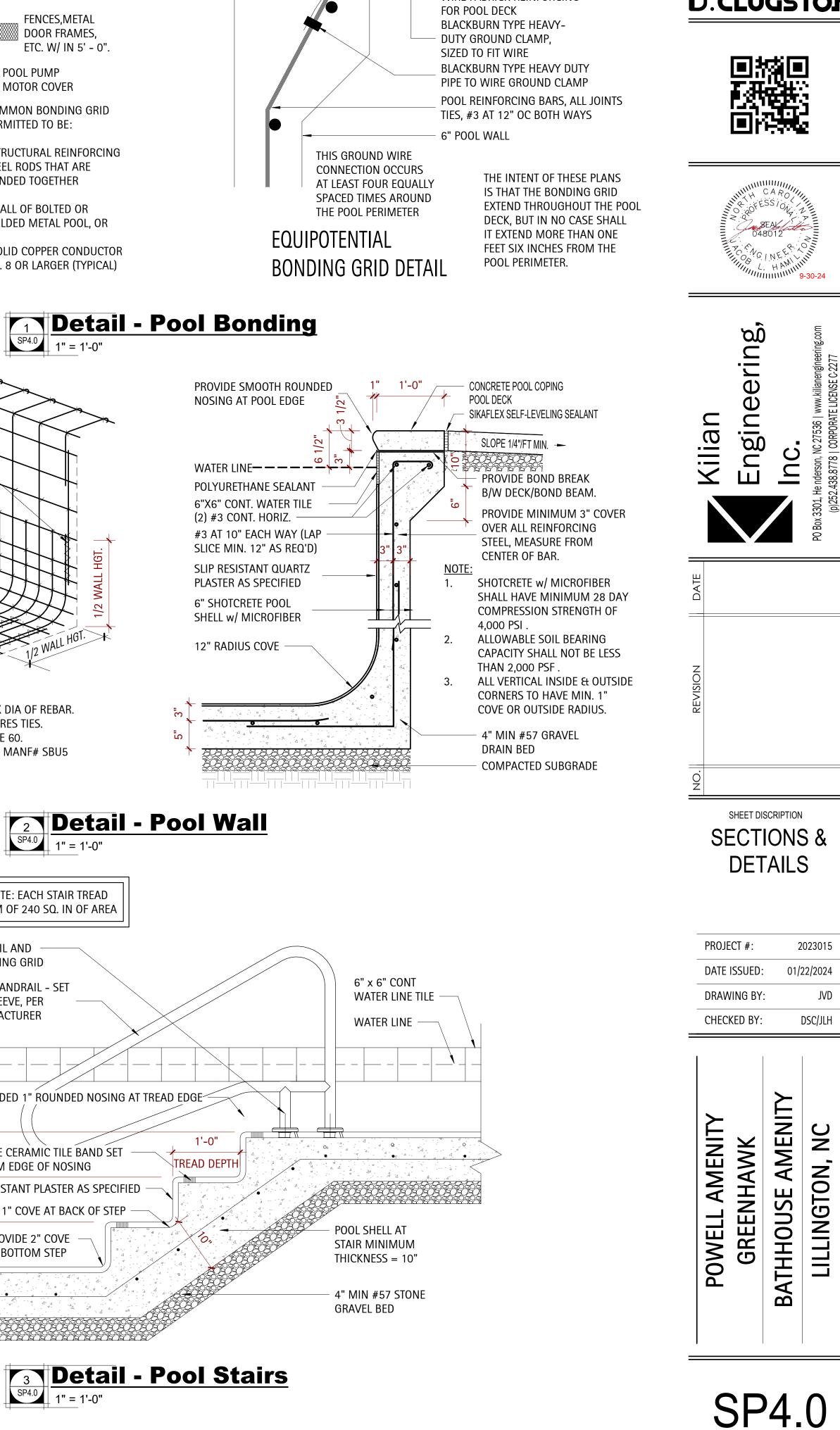
POOL SYMBOLS LEGEND

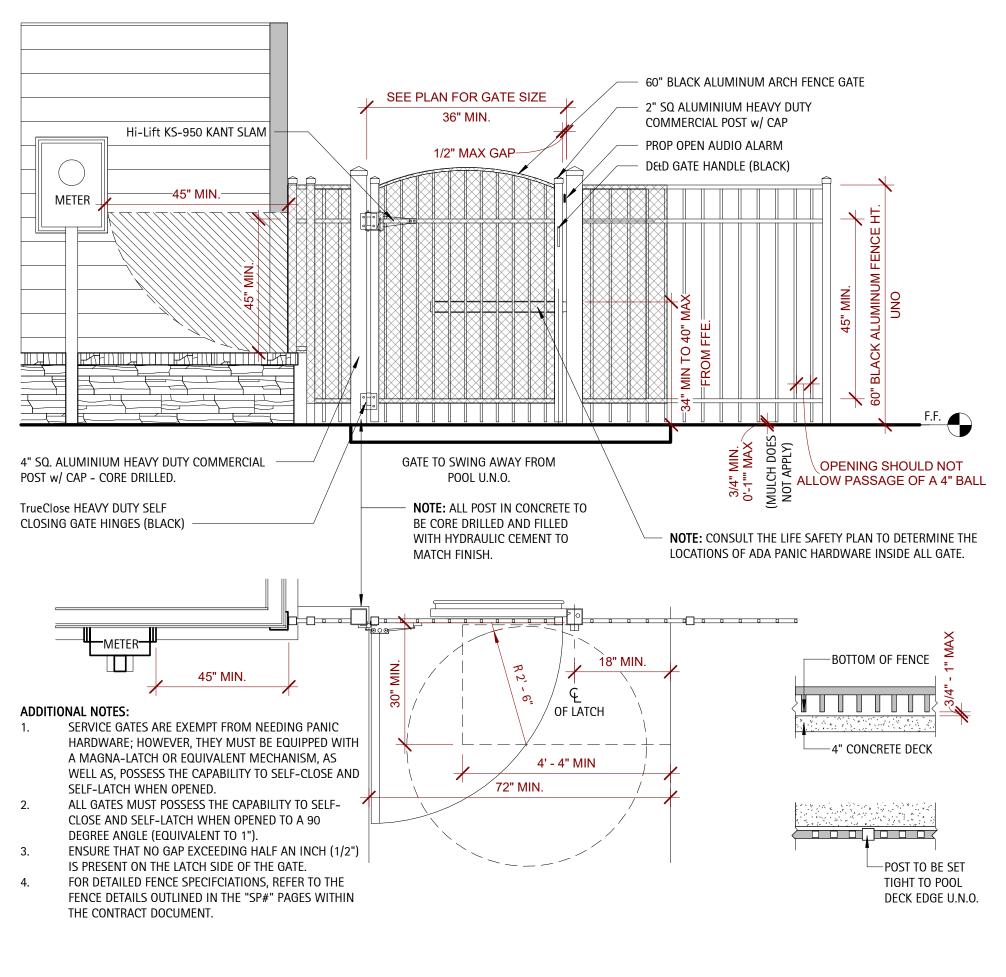


REFER TO POOL PLUMBING SCHEDULE FOR SPECS.

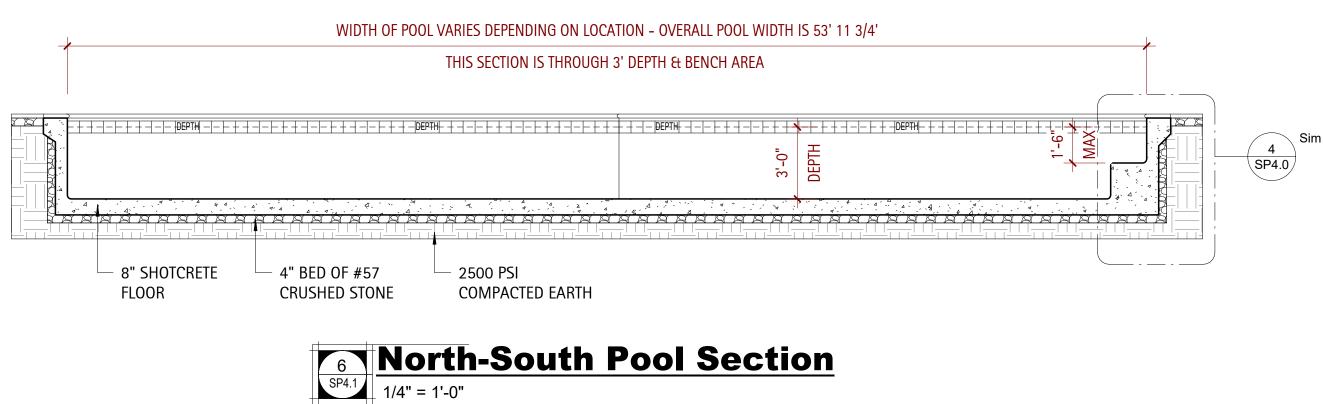
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POOL DIMENSIONS:	53'-11 3/4" X 82'-3 1/2" OVERALL
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FEAT DESIGN FLOW:	210 GPM @ 65 TDH
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INTERIOR FINISH:	KONA QUARTZ PLASTER
BATHER LOAD:	179 PERSONS
BACKWASH TO:	STORM SEWER
WATER SOURCE:	IN-LINE AUTOFILL
PIPE SIZING:	
CIRC MAIN DRAINS:	(2) 4" SCH 40 PVC
FEAT MAIN DRAINS:	(2) 4" SCH 40 PVC
SKIMMERS:	(7) 4" SCH 40 PVC
VACUUM LINE:	(1) 2" SCH 40 PVC
INLETS:	(11) 3" SCH 40 PVC
FILTER TYPE:	HIGH RATE SAND
SIZE PROVIDED:	2 @ 7.06 SF (EA) = 14.12
SIZE REQUIRED:	14.00 SF TOTAL
MEDIA CIRC. RATE:	15 GPM/SF
BACKWASH RATE:	15 GPM/SF
TURNOVER RATE:	6 HOURS



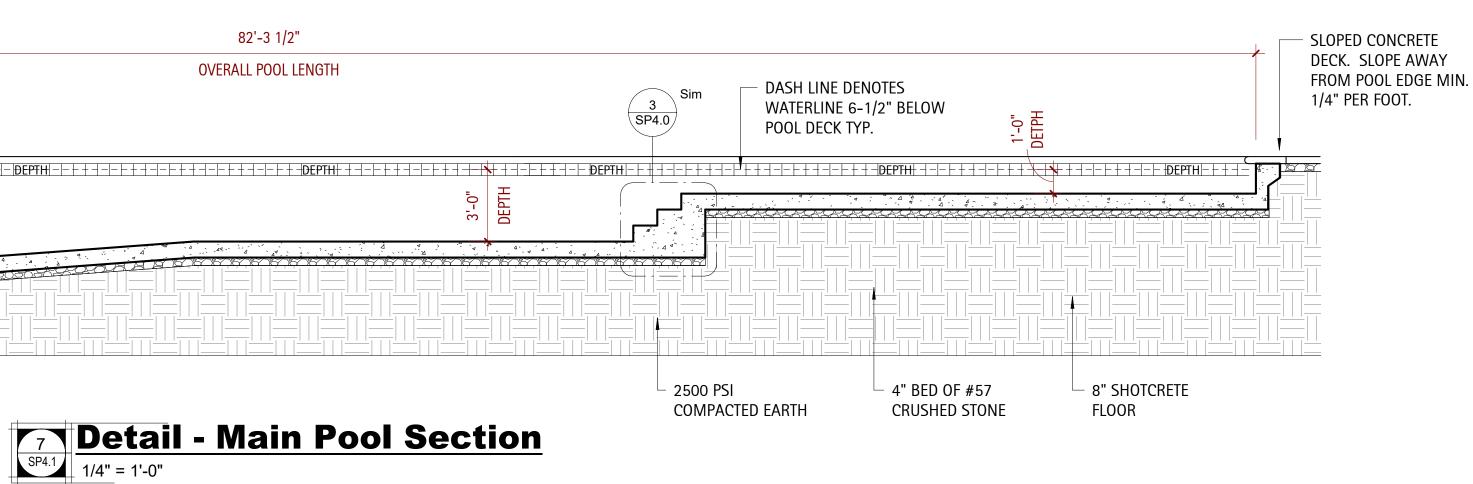




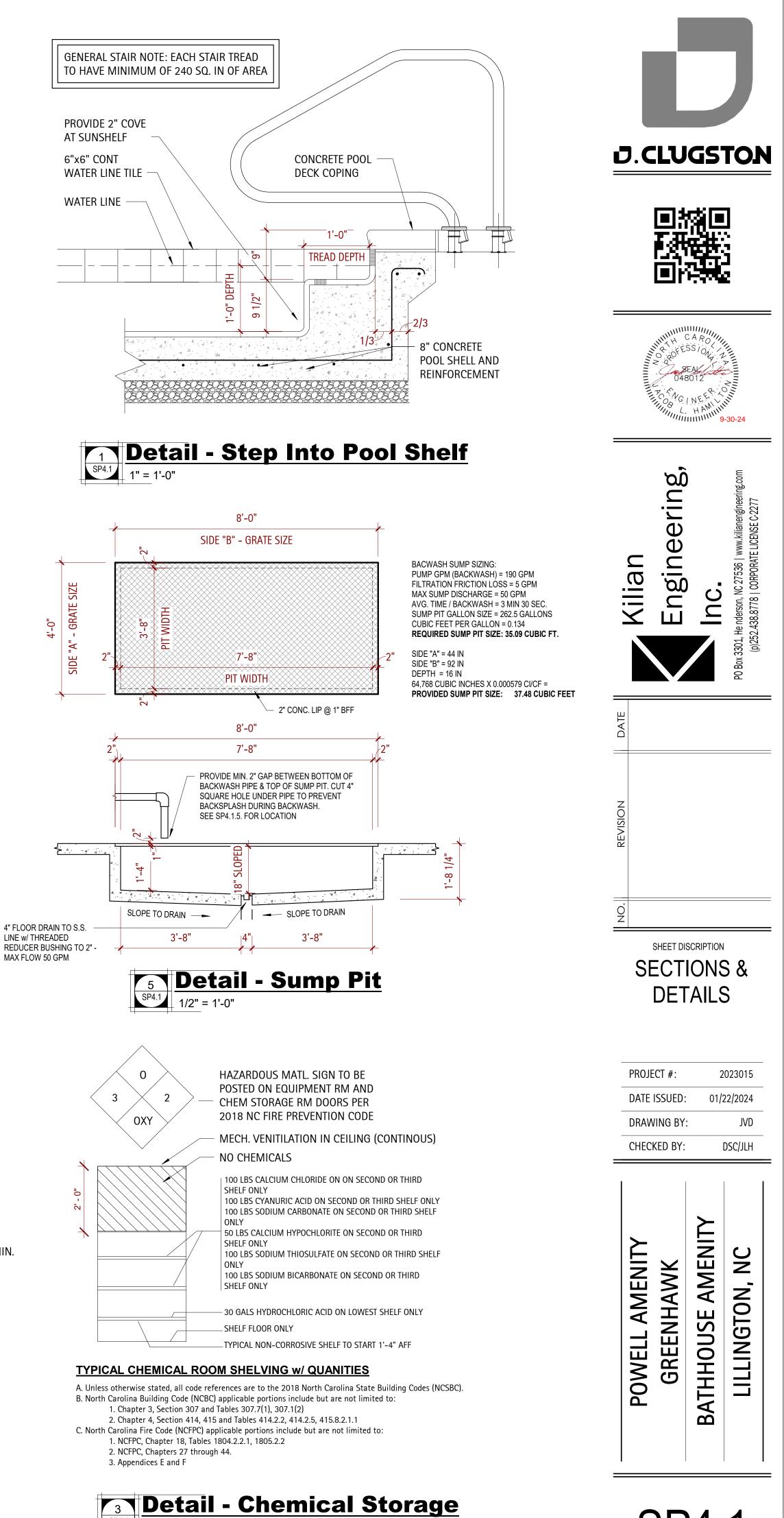




6" WATERLINE TILE. A PARTA A PARTA A PARTA



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SP4.1 1/2" = 1'-0"



KEY FEATURES

Cam and Ramp[™] Lid Makes inspection and cleaning simple and quick Built-in handle

HIGH PERFORMANCE PUMP

For easy installation

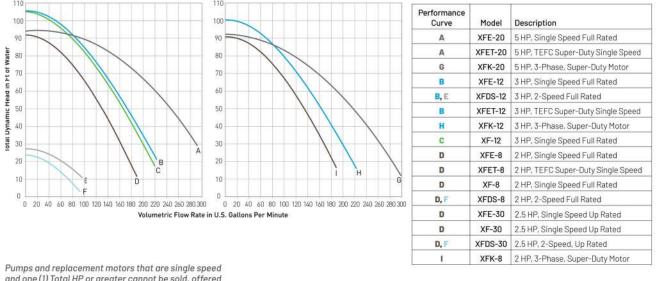
Union connectors 2.5" or 3" union connectors included

Oversized strainer basket

Extends time between cleanings

TEFC/Super-Duty motor options Provide superior performance and longevity

PERFORMANCE CURVES



and one (1) Total HP or greater cannot be sold, offered for sale, or installed in a residential pool for filtration use in California, Title 20 CCR sections 1601-1609.

PENTAIR

RAINBOW[®]

BROMINE FEEDERS

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TAG 1A - CIRCULATION PUMP - XFET-20 - 5 HP HIGH EFFICIENCY PUMP

40 lb. capad HIGH CAPACITY CHLORINE/ HC-3315 15 lb. capacit Designed for ease of use and simple maintenance • Drain valve allows easier draining for safer recharging or winterizing • Standard threaded inlet and outlet fittings included for easy installation

THE PERFORMANCE LEADER IN AUTOMATIC SANITIZATION MODELS & SPECIFICATIONS FOR LARGE RESIDENTIAL AND COMMERCIAL POOLS

The INLET control valve side of the feeder connects to the plumbing on the discharge side of the pump, before the filter. The OUTLET side of the feeder connects to the pool return line after the filter and/or heater, pool cleaner, diverter valves or any other installed equipment. Installation of a corrosionresistant check valve such as #R172288 by Pentair between the feeder inlet and outlet and the equipment is strongly recommended to check backflow of chemicals. This helps ensure equipment longevity.

1620 HAWKINS AVE, SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

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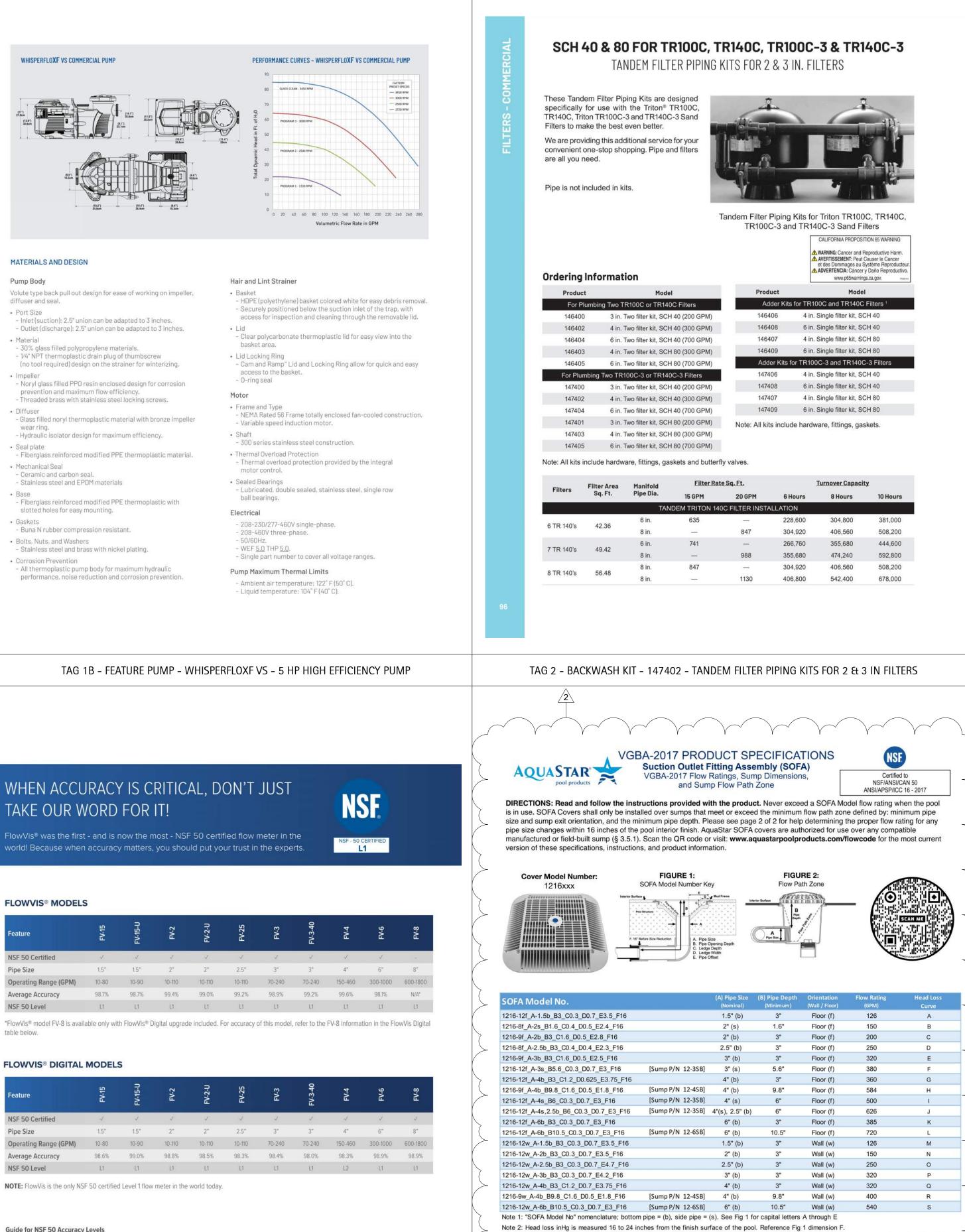
AVAILABLE FROM:

PENTAIR

Mod	el	HC-3315	HC-3330	HC-3340
Part	Number	R171215	R171230	R171240
Heig	ht	21.5"	39.125"	49.75"
Widt	h	8"	8"	8*
Dept	h	15"	15"	15"
Main	tenance Clearance	22.75"	40.375*	51"
Capa	acity (lbs.)	15	30	40
	Flow rate (GPM)	34	34	11.5
setting	Maximum Output Rate, Chlorine" (lbs./hr.)-Pool at listed flowrate	2.8	4.6	3.0
@ 100% Setting	Maximum Output Rate, Chlorine" (lbs./hr.)-Spa at listed flowrate	4.8	7.9	5.7
0	Maximum Output Rate, Bromine* (lbs./hr.)-Pool at listed flowrate	0.6	1,1	1.7
	Flow rate (GPM)	17.8	17.8	9.2
50% Setting	Output Rate, Chlorine* (lbs./hr.)-Pool at listed flowrate	2.1	3.4	2.6
50% S	Output Rate, Chlorine* (lbs./hr.)-Spa at listed flowrate	1.8	3.0	5.4
0	Output Rate, Bromine (lbs./hr.)-at listed flowrate	0.3	0.6	0.9
	mum Pool Size @ 34 GPM prine-Gals]	224,000	369,000	658,500
	mum Pool Size @ 34 GPM mine-Gals)	99,200	164,000	292,600

30 lb. capacity

Maximum working pressure - 50 psi



Pump Body

- Material

- Mechanical Seal

- · Bolts, Nuts, and Washers

TAKE OUR WORD FOR IT!

FLOWVIS® MODELS

Feature	FV-15	FV-15-U	FV-2
NSF 50 Certified	1	4	J
Pipe Size	1.5"	1.5"	2"
Operating Range (GPM)	10-80	10-90	10-110
Average Accuracy	98.7%	98.7%	99.4%
NSF 50 Level	L1	L1	L1

FLOWVIS® DIGITAL MODELS

Feature	FV-15	FV-15-U	FV-2
NSF 50 Certified	~	4	<i>s</i>
Pipe Size	1.5"	1.5"	2*
Operating Range (GPM)	10-80	10-90	10-110
Average Accuracy	98.6%	99.0%	98.8%
NSF 50 Level	L1	L1	L1

Guide for NSF 50 Accuracy Levels

Level 1 (L1): Average of absolute values of all single point deviations must be \leq 2%. Single point deviations shall not exceed ±4%. Level 2 (L2): Average of absolute values of all single point deviations must be <5%. Single point deviations shall not exceed ±7.5%. Level 3 (L3): Average of absolute values of all single point deviations must be <10%. Single point deviations shall not exceed ±12.5%. Level 4 (L4): Average of absolute values of all single point deviations must be <12.5%. Single point deviations shall not exceed ±15%. Level 5 (L5): Average of absolute values of all single point deviations must be \leq 15%. Single point deviations shall not exceed \pm 20%.

4 FlowVis

TAG 4 - CHLORINATOR - HC-3315 - HIGH CAPACITY CHLORINE FEEDER

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pumps • filters • heaters • heat pumps • automation • lighting • cleaners • sanitizers • water features • maintenance products

TAG 5 - FLOW METER - FV-4-40 - 4 INCH INLINE COMMERCIAL FLOW METER

TAG 6A - MAIN DRAIN COVER - 1216101 - 12"x12" VGB SUCTION OUTLET COVER

Note 3: [Sump P/N 12-xSB] are the part numbers marked inside these manufactured Sump Buckets. Use of these sumps is not required. Installing 1216xxx

Revision Date: 04/02/2024 Sump specifications defined in conformance with ANSI/APSP/ICC-16 2017 (§ 3.5.1.1)

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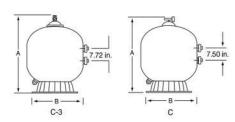
Page 1 of 2

covers on field-built sumps is permitted. To order 1216xxx product with these sumps, please see the catalog or visit www.aquastarpoolproducts.com.

TRITON° C SERIES COMMERCIAL SAND FILTERS

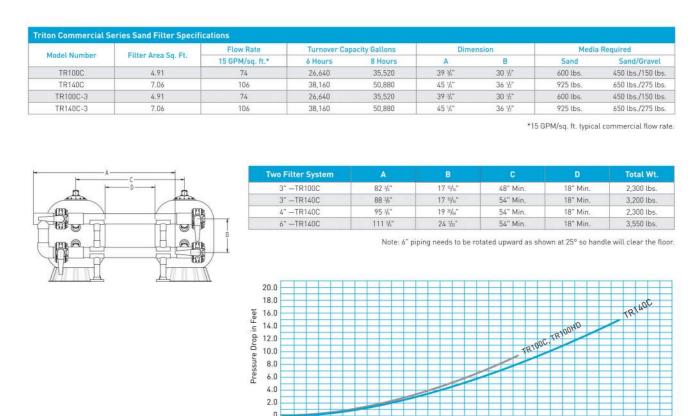
TRITON HD FILTER

The Triton heavy duty (HD) filter is a thirty-inch fiberglass filter that offers a maximum operating pressure of 75 PSI. This filter is specifically designed for special high-pressure commercial applications that require up to 98 gpm, and is ideal for all heavy-duty commercial applications.





TR100 HD



PENTAIR

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TAG 3 - FILTER - TR-140 C3 - 36" DIA HIGH RATE SAND FILTER W/ 7.06 SF OF MEDIA

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

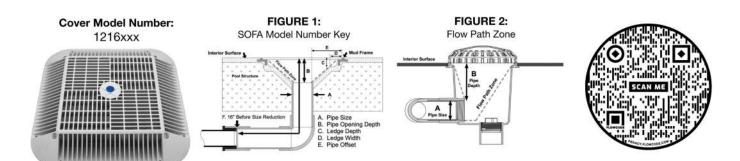
Flow Rate in GPM



VGBA-2017 PRODUCT SPECIFICATIONS Suction Outlet Fitting Assembly (SOFA) VGBA-2017 Flow Ratings, Sump Dimensions, and Sump Flow Path Zone



DIRECTIONS: Read and follow the instructions provided with the product. Never exceed a SOFA Model flow rating when the pool is in use. SOFA Covers shall only be installed over sumps that meet or exceed the minimum flow path zone defined by: minimum pipe size and sump exit orientation, and the minimum pipe depth. Please see page 2 of 2 for help determining the proper flow rating for any pipe size changes within 16 inches of the pool interior finish. AquaStar SOFA covers are authorized for use over any compatible manufactured or field-built sump (§ 3.5.1). Scan the QR code or visit: www.aquastarpoolproducts.com/flowcode for the most current version of these specifications, instructions, and product information.



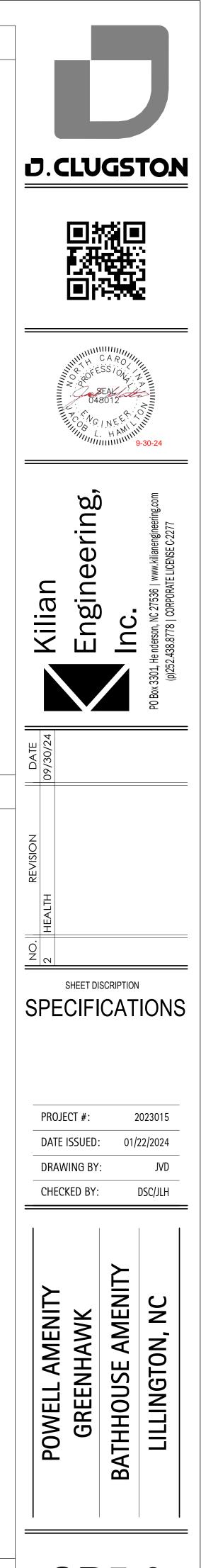
SOFA Model No.		(A) Pipe Size (Nominal)	(B) Pipe Depth (Minimum)	Orientation (Wall / Floor)	Flow Rating (GPM)	Head Loss Curve
1216-12f_A-1.5b_B3_C0.3_D0.7_E3.5_F16		1.5" (b)	3"	Floor (f)	126	А
1216-8f_A-2s_B1.6_C0.4_D0.5_E2.4_F16		2" (s)	1.6"	Floor (f)	150	В
1216-9f_A-2b_B3_C1.6_D0.5_E2.8_F16		2" (b)	3"	Floor (f)	200	С
1216-8f_A-2.5b_B3_C0.4_D0.4_E2.3_F16		2.5" (b)	3"	Floor (f)	250	D
1216-9f_A-3b_B3_C1.6_D0.5_E2.5_F16		3" (b)	3"	Floor (f)	320	E
1216-12f_A-3s_B5.6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	3" (s)	5.6"	Floor (f)	380	F
1216-12f_A-4b_B3_C1.2_D0.625_E3.75_F16		4" (b)	3"	Floor (f)	360	G
1216-9f_A-4b_B9.8_C1.6_D0.5_E1.8_F16	[Sump P/N 12-4SB]	4" (b)	9.8"	Floor (f)	584	н
1216-12f_A-4s_B6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	4" (s)	6"	Floor (f)	500	1
1216-12f_A-4s,2.5b_B6_C0.3_D0.7_E3_F16	[Sump P/N 12-3SB]	4"(s), 2.5" (b)	6"	Floor (f)	626	J
1216-12f_A-6b_B3_C0.3_D0.7_E3_F16		6" (b)	3"	Floor (f)	385	к
1216-12f_A-6b_B10.5_C0.3_D0.7_E3_F16	[Sump P/N 12-6SB]	6" (b)	10.5"	Floor (f)	720	L
1216-12w_A-1.5b_B3_C0.3_D0.7_E3.5_F16		1.5" (b)	3"	Wall (w)	126	м
1216-12w_A-2b_B3_C0.3_D0.7_E3.5_F16		2" (b)	3"	Wall (w)	150	Ν
1216-12w_A-2.5b_B3_C0.3_D0.7_E4.7_F16		2.5" (b)	3"	Wall (w)	250	0
1216-12w_A-3b_B3_C0.3_D0.7_E4.2_F16		3" (b)	3"	Wall (w)	320	Р
1216-12w_A-4b_B3_C1.2_D0.7_E3.75_F16		4" (b)	3"	Wall (w)	320	Q
1216-9w_A-4b_B9.8_C1.6_D0.5_E1.8_F16	[Sump P/N 12-4SB]	4" (b)	9.8"	Wall (w)	400	R
1216-12w_A-6b_B10.5_C0.3_D0.7_E3_F16	[Sump P/N 12-6SB]	6" (b)	10.5"	Wall (w)	540	S
Note 1: "SOFA Model No" nomenclature; bottom Note 2: Head loss inHg is measured 16 to 24 in Note 3: [Sump P/N 12-xSB] are the part number	ches from the finish su	face of the poo	I. Reference Fig	1 dimension F.	nos is not required	Installing 121

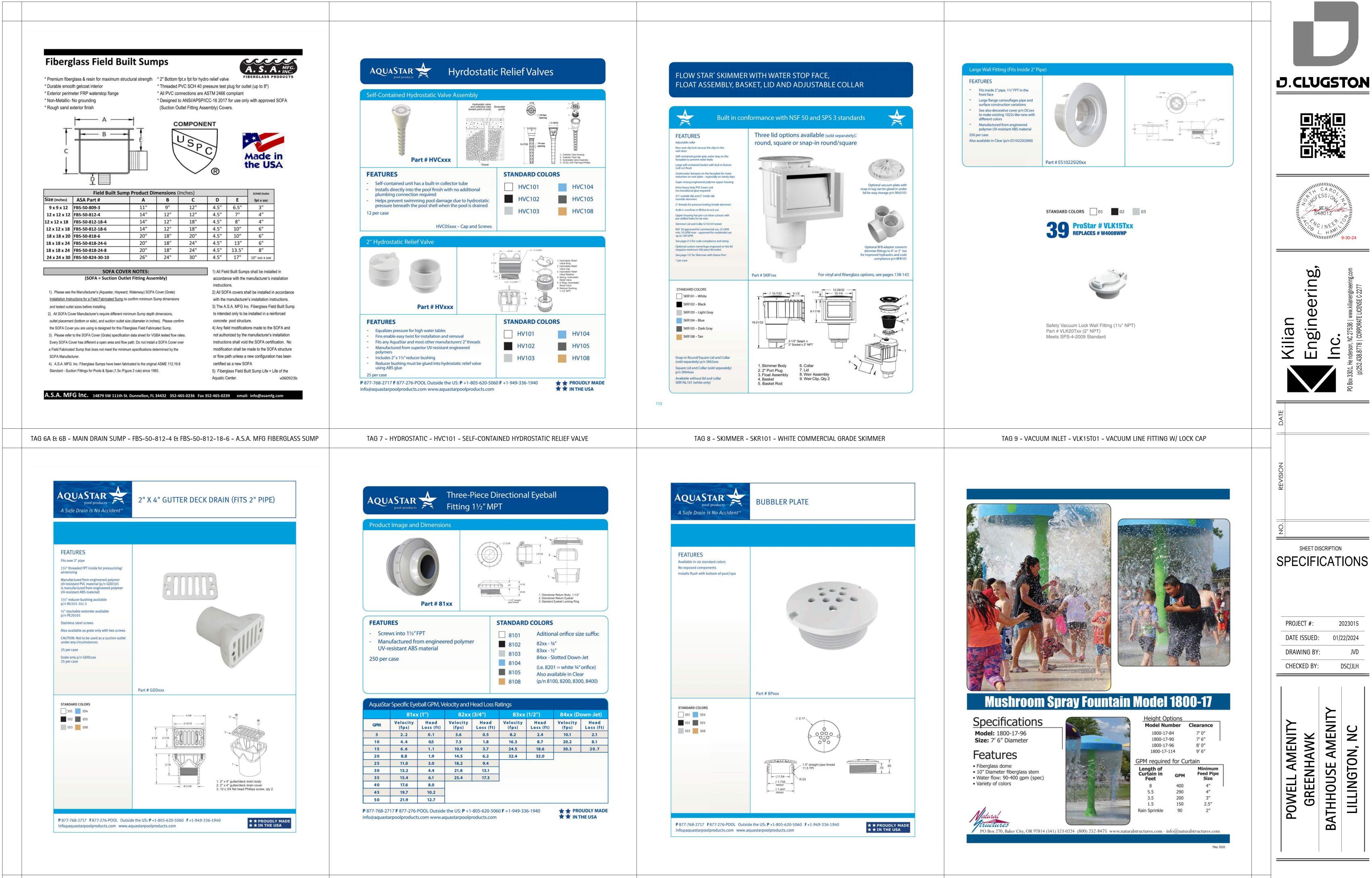


Revision Date: 04/02/2024 Sump specifications defined in conformance with ANSI/APSP/ICC-16 2017 (§ 3.5.1.1) Copyright © 2024 AquaStar Pool Products, Inc. All rights reserved. This document may be printed or shared freely, but the content may not be modified in any way.

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TAG 6B - MAIN DRAIN COVER - 1216101 - 12"x12" VGB SUCTION OULET COVER





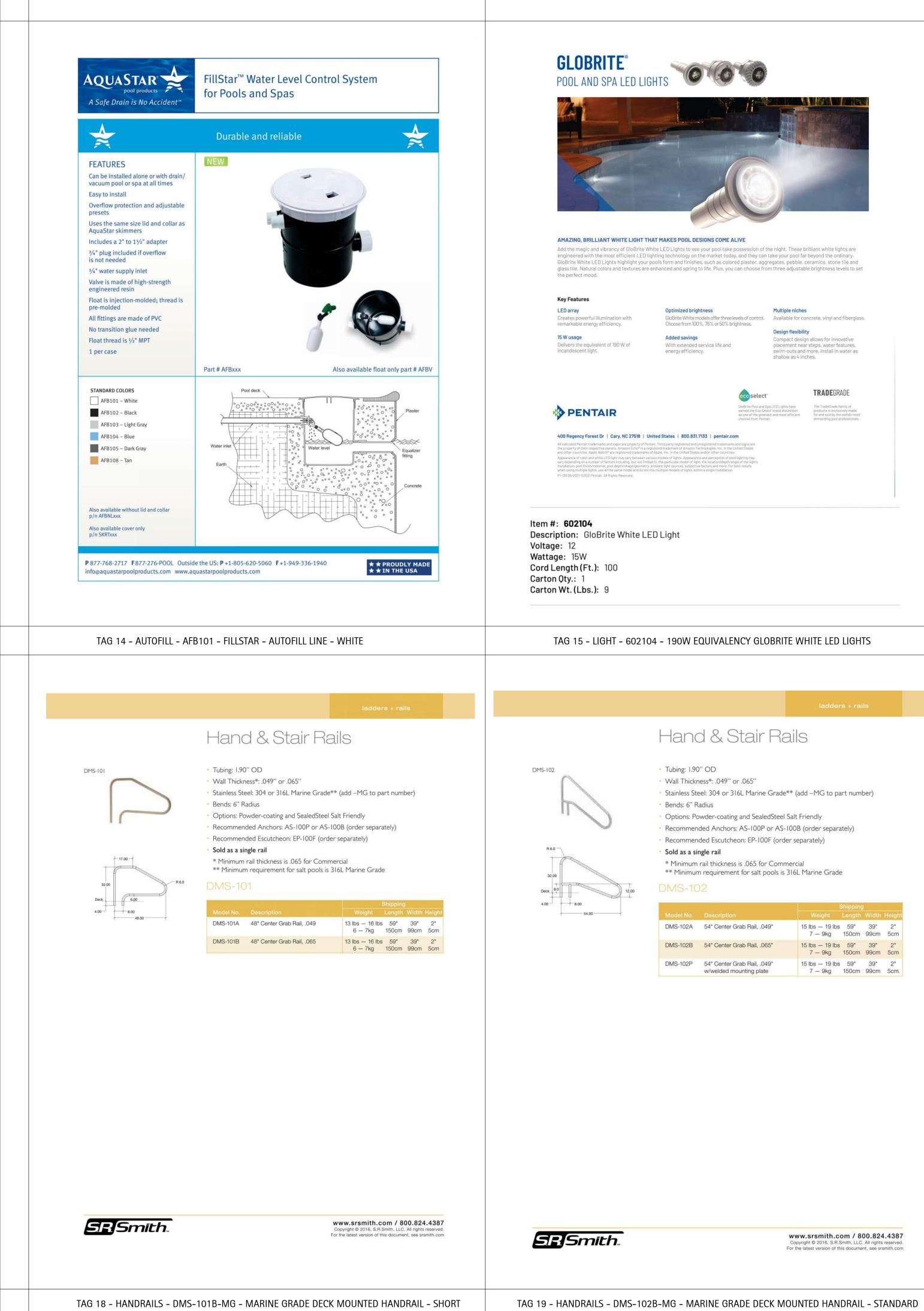
TAG 10 - OVERFLOW - GDD101 - COMMERCIAL OVERFLOW DRAIN

TAG 11 - RETURN INLET - ES1022SI2001 W/ 8101 - WALL RETURN INLET - DIRECTIONAL

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TAG 12 - RETURN INLET - ES1022SI2001 W/ BP101 - FLOOR RETURN INLET W/ BUBBLER PLATE

TAG 13 - MUSHROOM FEATURE - 1800-17-96 - 7'6" DIA MUSHROOM FEATURE (200 GPM @ 3" DIA)



			ipping		
	Description	Weight Lo	ength	Width	Height
)2A	54" Center Grab Rail, .049"	· · · · · · · · · · · · · · · · · · ·	59" 50cm	39" 99cm	2" 5cm
02B	54" Center Grab Rail, .065"		59" 50cm	39" 99cm	2" 5cm
)2P	54" Center Grab Rail, .049" w/welded mounting plate	1.6 1.6	59" 50cm	39" 99cm	2" 5cm.

INTELLIBRITE® 5G WHITE LED UNDERWATER LED LIGHTS FOR SWIMMING POOLS AND SPAS

eatured Highlights

market

incandescent lights

• The brightest most energy efficient white LED pool light on the

• Energy efficient utilizing up to 86% less energy than comparable

Superior lens geometry and innovative reflector design combine

to create a wider beam and more uniform light distribution

Pool lens can be rotated to 180 degrees to provide wide beam

Compatible with Pentair Stainless steel and plastic niches

Available in 300W, 400W, and 500W incandescent equivalencies

pattern (standard) or narrow beam pattern

Available in 120V and 12V versions

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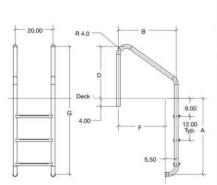


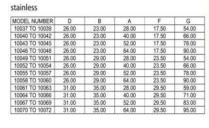
IntelliBrite® 5g White LED light offers a brighter, more energy efficient alternative to incandescent white lighting. Utilizing its array of LEDs, it is also ideal for commercial applications.

WHITE POOL LIGHTS - 300 WATT EQUIVALENT, 120 VOLT 30 ft. 300W Equivalency 1 50 ft. 300W Equivalency 1 100 ft. 300W Equivalency 1 150 ft. 300W Equivalency 1 250 ft. 300W Equivalency 1 250 ft. 300W Equivalency 1 WHITE POOL LIGHTS - 300 WATT EQUIVALENT, 12 VOLT 1	300W Equivalency 300W Equivalency 300W Equivalency	30 ft.	INTELLIBR	
50 ft. 300W Equivalency 1 100 ft. 300W Equivalency 1 150 ft. 300W Equivalency 1 250 ft. 300W Equivalency 1	300W Equivalency 300W Equivalency			
100 ft. 300W Equivalency 1 150 ft. 300W Equivalency 1 250 ft. 300W Equivalency 1	300W Equivalency		120V	601100
150 ft.300W Equivalency1250 ft.300W Equivalency1	and the second	50 ft.	120V	601101
250 ft. 300W Equivalency 1	200W Englisher	100 ft.	120V	601102
	300W Equivalency	150 ft.	120V	601103
WHITE POOL LIGHTS - 300 WATT EQUIVALENT, 12 VOLT	300W Equivalency	250 ft.	120V	601104
	- 300 WATT EQUIVALEN	NTE 5g WHITE POOL LIGHT	INTELLIBR	
30 ft. 300W Equivalency 1	300W Equivalency	30 ft.	12V	601105
50 ft. 300W Equivalency 1	300W Equivalency	50 ft.	12V	601106
100 ft. 300W Equivalency 1	300W Equivalency	100 ft.	12V	601107
150 ft. 300W Equivalency 1	300W Equivalency	150 ft.	12V	601108
WHITE POOL LIGHTS - 400 WATT EQUIVALENT, 120 VOLT	400 WATT EQUIVALENT	TE 5g WHITE POOL LIGHTS	INTELLIBR	
30 ft. 400W Equivalency 1	400W Equivalency	30 ft.	120V	601200
50 ft. 400W Equivalency 1	400W Equivalency	50 ft.	120V	601201
100 ft. 400W Equivalency 1	400W Equivalency	100 ft.	120V	601202
150 ft. 400W Equivalency 1	400W Equivalency	150 ft.	120V	601203
250 ft. 400W Equivalency 1	400W Equivalency	250 ft.	120V	601204
WHITE POOL LIGHTS – 400 WATT EQUIVALENT, 12 VOLT	- 400 WATT EQUIVALEN	ITE 5g WHITE POOL LIGHT	INTELLIBR	
30 ft. 400W Equivalency 1	400W Equivalency	30 ft.	12V	601205
50 ft. 400W Equivalency 1	400W Equivalency	50 ft.	12V	601206
100 ft. 400W Equivalency 1	400W Equivalency	100 ft.	12V	601207
150 ft. 400W Equivalency 1	400W Equivalency	150 ft.	12V	601208
WHITE POOL LIGHTS - 500 WATT EQUIVALENT, 120 VOLT	500 WATT EQUIVALENT	ITE 5g WHITE POOL LIGHTS	INTELLIBR	
30 ft. 500W Equivalency 1	500W Equivalency	30 ft.	120V	601300
50 ft. 500W Equivalency 1	500W Equivalency	50 ft.	120V	601301
100 ft. 500W Equivalency 1	500W Equivalency	100 ft.	120V	601302
150 ft. 500W Equivalency 1	500W Equivalency	150 ft.	120V	601303
250 ft. 500W Equivalency 1	500W Equivalency	250 ft.	120V	601304
WHITE POOL LIGHTS – 500 WATT EQUIVALENT, 12 VOLT	- 500 WATT EQUIVALEN	ITE 5g WHITE POOL LIGHT	INTELLIBR	
30 ft. 500W Equivalency 1	500W Equivalency	30 ft.	12V	601305
50 ft. 500W Equivalency 1	500W Equivalency	50 ft.	12V	601306
100 ft. 500W Equivalency 1	500W Equivalency	100 ft.	12V	601307

Please refer to page 117 for CSA

TAG 16 - LIGHT - 601108 - 400W EQUIVALENCY INTELLIBRITE WHITE LED LIGHTS





SR Smith.

Standard Plus Ladder

- Tubing: 1.90" OD Wall Thickness: .065'', .109'' or .145''
- Stainless Steel: 304 Treads: LTDF-103 (Stainless Steel)
- Bends: 4" Radius
- Options: Powder-coating and SealedSteel Salt Friendly (rails only) Recommended anchors: AS-200B for 1.50" and AS-100B for 1.90"
- (order separately) Recommended escutcheons: EP-150 for 1.50" and EP-100F for 1.90"
- (order separately)
- * Call Customer Service at 800.824.4387 for availability of ladders of 1.50"OD tubing

Model No.					
10037 to 10039*	23" 2-Step Ladder with .065", .109", .145" tubing	30, 42, 54 lbs 14, 20, 24kg	61" 155cm	29" 74cm	2" 5cm
10040 to 10042	23" 3-Step Ladder with .065", .109", .145" tubing	36, 50, 62 lbs 16, 23, 28kg	70" 177cm	28* 71cm	2" 5cm
10043 to 10045	23" 4-Step Ladder with .065", .109", .145" tubing	40, 58, 70 lbs 18, 26, 32kg	82" 208cm	28* 71cm	2" 5cm
10046 to 10048	23" 5-Step Ladder with .065", .109", .145" tubing	46, 64, 78 lbs 21, 29, 35kg	90" 229cm	28" 71cm	2" 5cm
10049 to 10051	29" 2-Step Ladder with .065", .109", .145" tubing	30, 44, 56 lbs 14, 20, 25kg	59" 150cm	39" 99cm	2" 5cm
10052 to 10054	29" 3-Step Ladder with .065", .109", .145" tubing	36, 52, 64 lbs 16, 24, 29kg	85" 216cm	39" 99cm	2" 5cm
10055 to 10057	29" 4-Step Ladder with .065", .109", .145" tubing	42, 58, 72 lbs 20, 26, 33kg	85" 216cm	39" 99cm	2" 5cm
10058 to 10060	29" 5-Step Ladder with .065", .109", .145" tubing	48, 66, 80 lbs 22, 30, 36kg	85" 216cm	39" 99cm	2" 5cm
10061 to 10063	35" 2-Step Ladder with .065", .109", .145" tubing	34, 48, 62 lbs 15, 22, 28kg	59" 150cm	39" 99cm	2" 5cm
10064 to 10066	35" 3-Step Ladder with .065", .109", .145" tubing	38, 56, 70 lbs 17, 25, 32kg	76" 193cm	40" 102cm	2" 5cm
10067 to 10069	35" 4-Step Ladder with .065", .109", .145" tubing	44, 64, 78 lbs 20, 29, 35kg	76" 193cm	40" 102cm	2" 5cm
10070 to 10072	35" 5-Step Ladder with .065", .109", .145" tubing	50, 70, 86 lbs 23, 32, 40kg	76" 193cm	40" 102cm	2" 5cm

Frames extend 5½" from the pool wall. Frame is secured to the pool deck with two anchor sockets on 20" centers. The lower end of the frame is bent to meet the pool wall and fitted with two white rubber bumpers (WRB-100A for 1.90" and WRB-102A for 1.50"). Example 10037=.065", 10038=.109", 10039=.145" tubing

www.srsmith.com / 800.824.4387

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TAG 20 - LADDERS - 10054 MG - MARINE GRADE DECK MOUNTED COMMERCIAL LADDER

Junction Box - PJB4175

NTERMATIC

	PRODUCT DESCRIP These polymeric junction box designed for pools, pool-spa c	PTION xes are code compliant and provide safe, reliable connections for low-voltage lights. Specia combinations, and landscape applications. Junction boxes are for outdoor use only.	ally
	 Watertight, multifixture en Easy access ground bar PA114 Wall/Post Mounting 		
œ.	APPLICATIONS Landscape Lighting Underwater Lighting		
ECHNICAL DATA	183 (247) a		
General			
lodel Number		PJB4175	
escription		4 Light Connection Pool & Spa Junction Box	
PC Code		078275094048	
rand		Intermatic	
ountry of Origin (Intermatic)		INDIA	
/arranty Period		1-Year limited	
ontrol Specifications			
umber of Light Connections		4	
lechanical Specifications			
lounting Options		Bracket; Post; Rod; Wall	
imensions			
roduct Dimensions (H x W x D) in		8.75 x 5 x 4.625 in	
on Metallic Conduit Size		1/2"-1"	
laterial Specifications		Plastic	
uuy materiai		Flasu	
lectrical Specifications			
umber of Receptacle Knockouts		5	
ackaging			
nit Carton Dimensions (H x W x L) in		5.25 x 5 x 9 in	
tandards and Certifications			
nnical specifications and other information are subject	ct to change without notice. Images can vary f	from original. © 12/22/2022 1	1/3



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POWELL AMENITY	DRAW				Allan			D.C
GREENHAWK	CT #: ISSUED: /ING BY (ED BY:				Engineering,			
BATHHOUSE AMENITY	01/2	SCRIPTION CAT			nc.	C A RO ESSION BEAL BOIZ		GS
LILLINGTON, NC	023015 22/2024 JVD DSC/JLH	ION			PO Box 3301, He nderson, NC 27536 www.kilianengineering.com (p)252.438.8778 CORPORATE LICENSE C-2277	9-30-24]] 2	
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TAG HC - MULTILIFT - ADA COMPLIANT HANDICAP LIFT