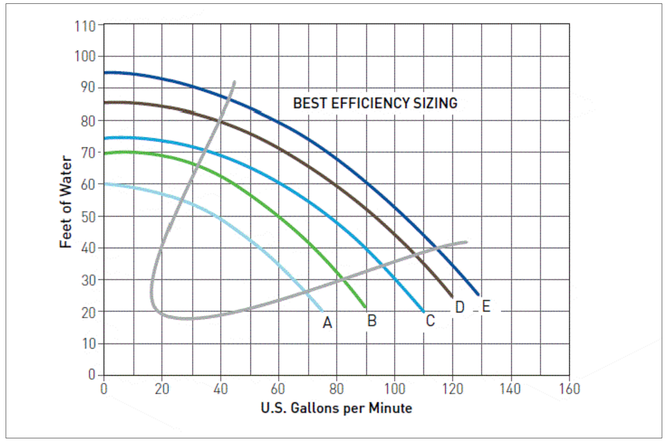


A. 1/2 HP
B. 3/4 HP
C. 1 HP
D. 1-1/2 HP
E. 2 & 2-1/2 HP

4 CHALLENGER HI-FLOW PUMP CURVE
SCALE: N.T.S.

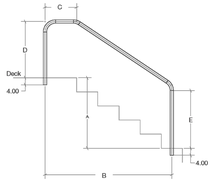
3-bend Stair Rails

- Tubing: 1.90" OD
- Wall Thickness*: .049" or .065"
- Stainless Steel: 304 or 316L Marine Grade** (add –MG to part number)
- Bends: 6" Radius
- Options: Powder-coating and SealedSteel Salt Friendly available
- Recommended anchors: AS-100B (order separately)
- Recommended escutcheon: EP-100F (order separately)

* Minimum rail thickness – .049 for Residential, .065 for Commercial
** Minimum requirement for salt pools is 316L Marine Grade

Model No.	Description	A	B	C	D	E	Shipping Weight	Shipping Length	Shipping Width	Shipping Height
3HR-4	4' 3-BEND	26"	4'-0"	18"	32"	26"	11-22 lbs	60"	42"	2"
3HR-5	5' 3-BEND	36"	5'-0"	18"	32"	26"	12-24 lbs	72"	42"	2"
3HR-5.5	5'6" 3-BEND	32"	5'-6"	18"	32"	29"	13-21 lbs	78"	42"	2"
3HR-6	6' 3-BEND	46"	6'-0"	18"	32"	26"	13-32 lbs	84"	42"	2"
3HR-6.5	6'6" 3-BEND	32"	6'-6"	35"	34"	29"	16-34 lbs	90"	42"	2"
3HR-7	7' 3-BEND	36"	7'-0"	40"	39"	29"	18-34 lbs	94"	42"	2"
3HR-8	8' 3-BEND	30"	8'-0"	53"	34"	33"	21-39 lbs	105"	42"	2"

Notes:
- Add .049 to the part number for .049" wall.Add .065 to the part number for .065" wall.
- Extended Lengths: Add -1 to the part number for 12" extended length on pool (front) leg. Add -2 to the part number for 12" extended length on both legs. Add -3 to the part number for 12" extended length to deck leg.



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3 HANDRAIL CUT SHEET
SCALE: N.T.S.

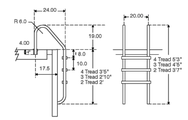
Economy Ladder

- Tubing: 1.90" OD
- Stainless Steel: 304 or 316L Marine Grade* (add –MG to part number)
- Treads: LTDF-101 Plastic (Econoline) or LTDF-103 Stainless Steel (Elite)
- Bends: 6" Radius
- Options: Powder-coating and SealedSteel Salt Friendly available
- Recommended anchors: AS-100B (order separately)
- Recommended escutcheon: EP-100F (order separately)

* Minimum requirement for salt pools is 316L Marine Grade

Model No.	Shipping Weight	Model No.	Shipping Weight	Description	Shipping Length	Shipping Width	Shipping Height
VLLS-102E	21 lbs	VLLS-102S	23 lbs	2-step ladder	61"	29"	2"
VLLS-103E	23 lbs	VLLS-103S	25 lbs	3-step ladder	61"	29"	2"
VLLS-104E	24 lbs	VLLS-104S	27 lbs	4-step ladder	66"	29"	2"

Notes:
- For stock powder-coated products, see page 72. For stock SealedSteel Salt Friendly products, see page 73.
- Frames extend 6½" from the pool wall. Frame is secured to the pool deck with two anchor sockets on **20"** centers **(Elite model)** or **19"** centers **(Econoline model).** The lower end of the frame is bent to meet the pool wall and fitted with two white rubber bumpers (WRB-100A)
- For safety steps substitute the letter 'T' at end of part number. For example,VLLS-102T for a two-step safety ladder.



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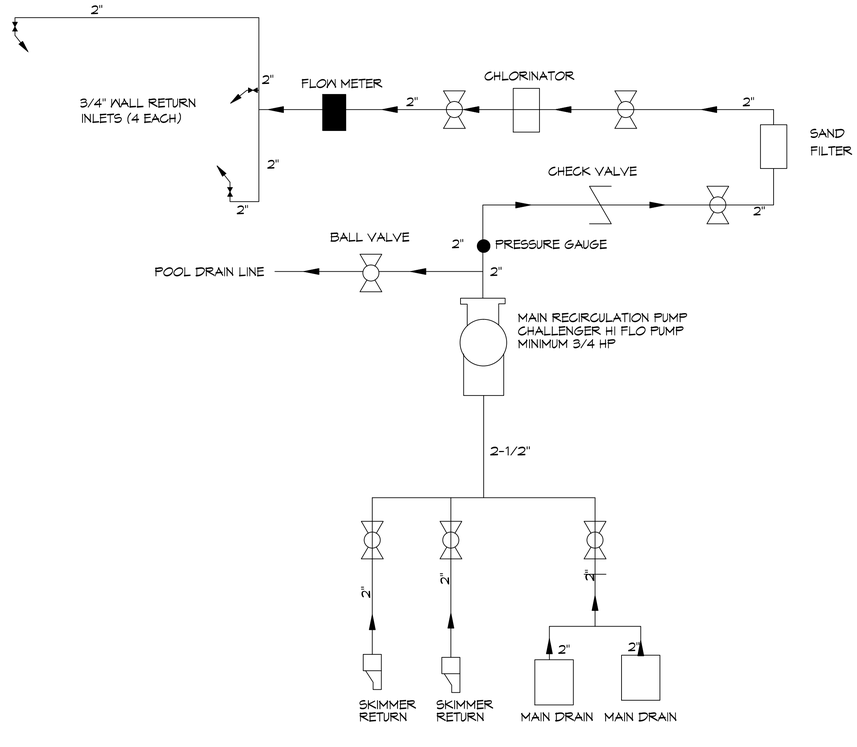
2 LADDER CUT SHEET
SCALE: N.T.S.



1 POOL PLUMBING ONE-LINE DIAGRAM
SCALE: N.T.S.

POOL EQUIPMENT LEGEND

QTY	DESCRIPTION
1	CHALLENGER 1HP HI-FLOW PUMP
2	MAIN DRAIN SUMP AND GRATE ASSEMBLY
1	SANDDOLLAR FILTER MODEL SD60
1	2.0" FLOW METER
1	CHLORINATOR JANDY MODEL 700
3	¾" DIRECTIONAL EYEBALL
7	BALL VALVES FOR PIPE SIZE 2"
	2" SCH 40 PVC PIPE FOR ALL SUCTION, RETURN, AND EQUIPMENT ROOM PIPING
1	STAINLESS STEEL LADDER
1	TAYLOR TEST KIT K-2006 (DPD METHOD OF TESTING FOR CHLORINE RESIDUALS)

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Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW POOL
BAYOU HAVEN
34205 BAYOU LIBERTY RD.
SLIDELL, LA

JOB No:
DRAWN BY: DPD
DATE: JULY 14, 2016
CHECKED BY: BM

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SHEET TITLE:
PLUMBING ONE-LINE DIAGRAMS

DRAWING NUMBER:
PL-1.4.

SHEET No: 5 of 5