REV.	DESCRIPTION	DATE	ECO	BY
A	RELEASED FOR PRODUCTION	2/24/2022		RMILLER
B	ADDED STEP DWG SHEET	2/24/2022		RMILLER
C	UPDATED PER TICKET #385307	12/14/2022		IESSEX
D	ADDED DIG NOTES	3/5/2023		IESSEX

MIRROR NUMBER:

MADE FROM:

CHECK IN DATE/TIME: Tuesday, March 21, 2023 11:40:44 AM

4'-4"

8'R △ 4'/AQUA GENIE

7.5'RR ▲ 4'-7.64"   8'R △ 4'   8'R △ 2'   7.5'RR ▲ 4'-7.64"

8'R △ 2'   8'R △ 2'

8'R △ 4'   8'R △ 4'

8'R △ 4'   8'R △ 4'

8'R △ 4'   33'-11 1/8"   8'R △ 4'

1

8'R △ 4'   8'R △ 4'

8'R △ 4'   8'R △ 2'   8'R △ 4'

8'R △ 4'   8'R △ 4'   8'R △ 4'

7.5'RR ▲ 4'-7.64"

7.5'RR ▲ 4'-7.64"
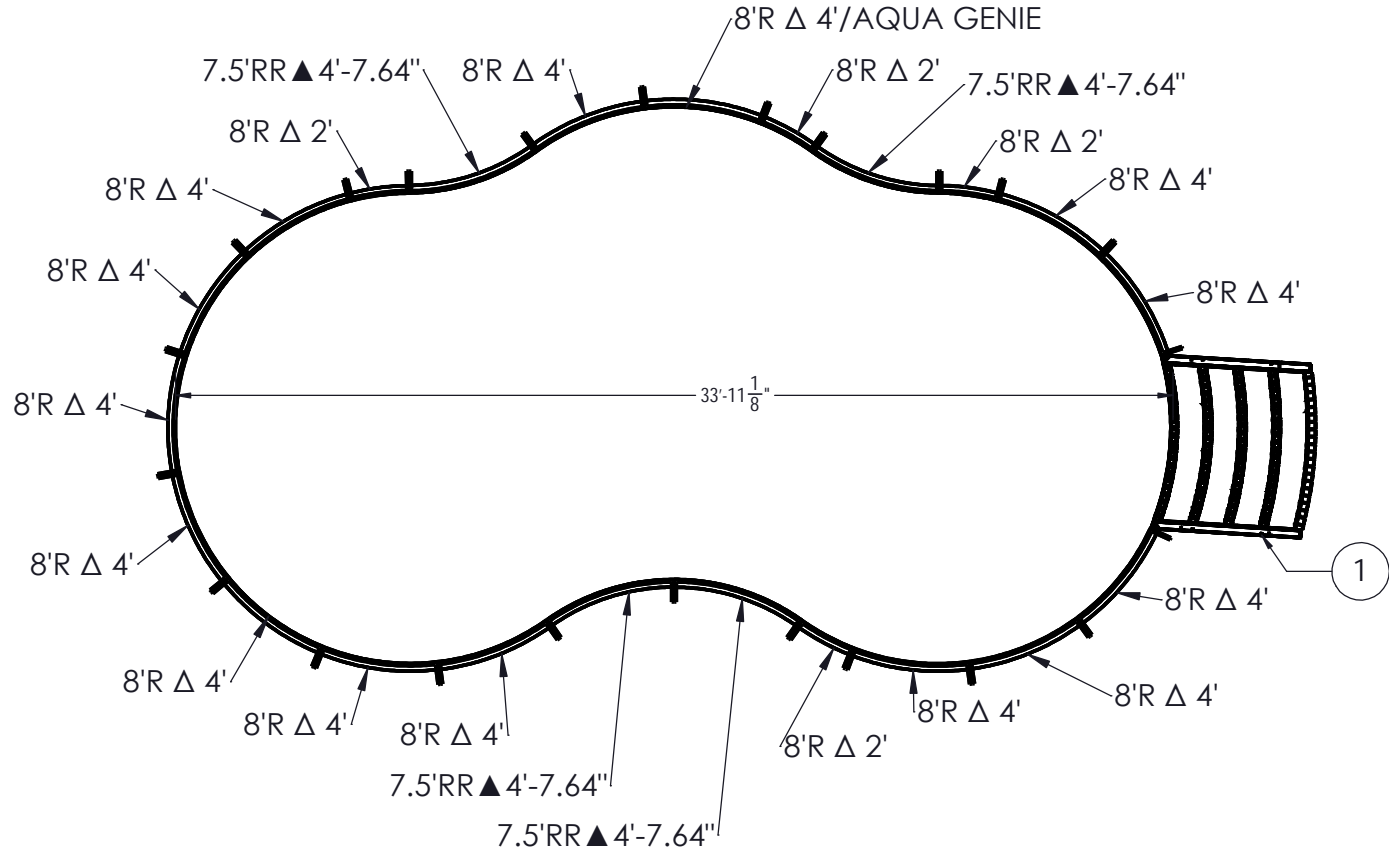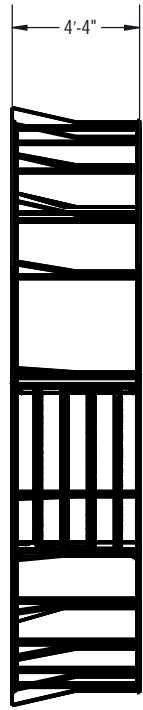
NOTES:
1. THESE ARE FINISHED DIMENSIONS READY FOR THE LINER.
2. DIMENSIONS ARE FROM INSIDE POOL PANELS.
3. ROPE AND FLOAT ASSEMBLY SHOULD BE INSTALLED IN ACCORDANCE WITH CURRENT ANSI/ASPS/ICC REGULATIONS
4. HYDRA LINER TRACK FOR STEPS IS INSTALLED WITH THE BARB FACING THE RISER WALL ON THE STEP.
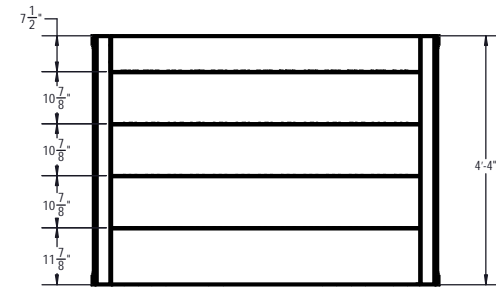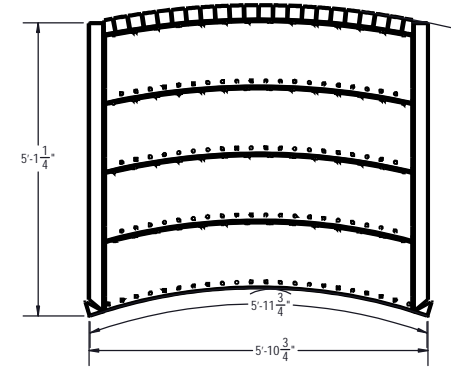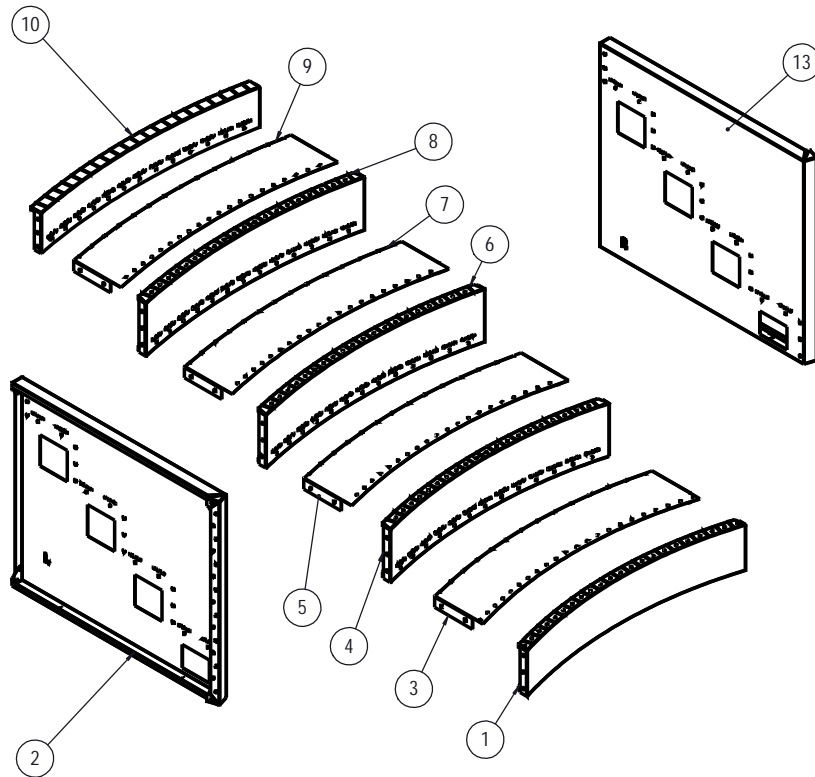
EXCAVATION NOTES:
5. ROUGH EXCAVATION SHOULD BE 2" DEEPER IN EACH INSTANCE.
6. SOIL TO HAVE MINIMUM BEARING CAPACITY OF 1500 PSF.
7. LOCATE TOP OF POOL AT LEAST 6" ABOVE THE SURROUNDING LAND ELEVATION.
8. SEE "OVER DIG DETAIL", IN INSTALLATION MANUAL, FOR EXCAVATION AROUND POOL.
9. FILL VOIDS UNDER BASE OF PANELS AND TAMP WELL.
10. BACK FILL WITH NON-EXPANSIVE MATERIAL.
11. FOLLOW ALL CURRENT ANSI / APSP / ICC GUIDELINES FOR RESIDENTIAL POOLS

IMPORTANT NOTES:
THIS DOCUMENT IS FOR ILLUSTRATIVE PURPOSES ONLY. THE DEALER OR CONTRACTOR WHO SELLS OR INSTALLS YOUR POOL IS AN INDEPENDENT CONTRACTOR AND IS NOT AN AGENT OF THE MANUFACTURER. THE CONSTRUCTION METHODS ILLUSTRATED HERE ARE SUGGESTIONS AND APPLY ONLY TO NORMAL GROUND CONDITIONS. THERE MAY BE ADDITIONAL PRECAUTIONS AND/OR METHODS OF CONSTRUCTION. PROPER INSTALLATION IS THE RESPONSIBILITY OF THE DEALER/BUILDER/CONTRACTOR.
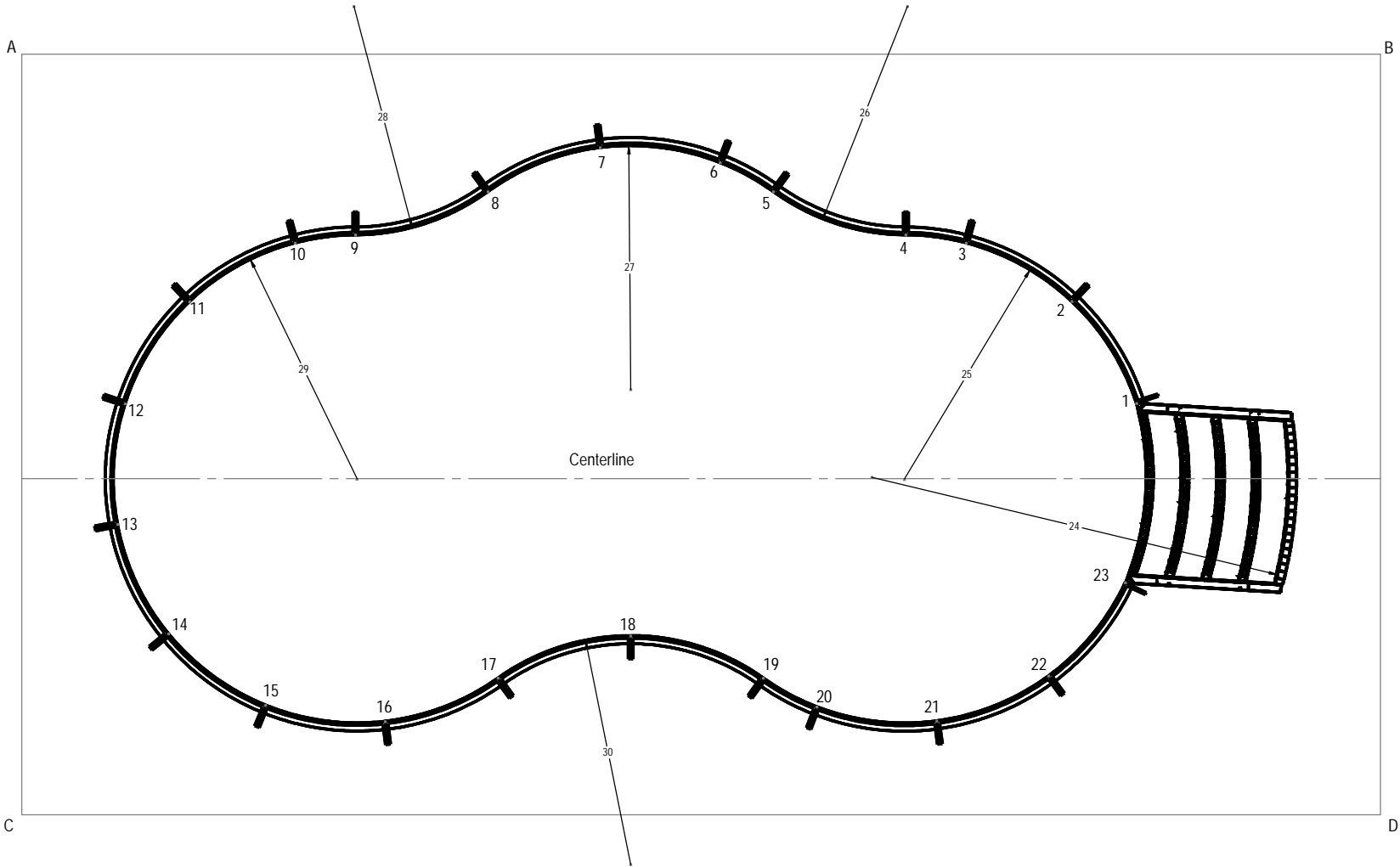
ITEM	FILE NAME	DESCRIPTION	CUSTOMER DRAWING #	VENDOR PART #	QTY.
1	00028304	ASSEMBLY, STEP, 52 IN WALL, 4 TREAD, 9FT RADIUS, 6' WIDE, 90° CORNER	HSSH28304	00028304	1
2	BOLT, PACK	BOLT, FLANGE, 3/8-16 X 1", PACK (50)	HPS1916	HPS1916	9
3	52IN, BRACE	BRACE, BUTTRESS, 52", 850 SERIES	HPSHTRIBRC	00025945	23
4	52IN PANEL, RR	PANEL, 7.5' REVERSE RADIUS, 4'-7.64" LONG, 850 SERIES	HPSH76RR476	00027950	4
5	52 IN PANEL, RADIUS	PANEL, 8' RADIUS, 2' LONG, 850 SERIES	HPSH8R2	00027949	4
6	52 IN PANEL, RADIUS	PANEL, 8' RADIUS, 4' LONG, 850 SERIES	HPSH8R4	00027948	13
7	52 IN PANEL, RADIUS	PANEL, 8' RADIUS, 4' LONG, AQUA GENIE, 850 SERIES	HPSH8R4AG	00046578	1
8	STAKE	STAKE , 14 GA	HPSSTAKE	00003484	23

WEIGHT: lbs	UNLESS OTHERWISE SPECIFIED	DESIGNED BY: RMILLER	CREATION DATE: 10/25/2019	SAMSON STEEL
VOLUME: Inch³	DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS: X ± .1 XX ± .01 XXX ± .001 XXXX ± .0005	DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023	
COLOR:		LAST REVISED BY: iessex	LAST REVISED DATE: 3/21/2023	TITLE: LAYOUT, 16'X34', LAGOON, HPSH28304, 1- AQUA GENIE, 850 SERIES
HEAT TREAT:		MATERIAL:		
FINISH:	ANGULAR: X ± 0.5			
TEXTURE:	THIRD ANGLE PROJECTION			

ENGINEERING DRAWING NUMBER: 00041378

PART NUMBER: 00041378

SCALE: 1:128

SIZE: A

SHEET: 1 OF 5

Dimensions shown: 5'-1¼", 5'-11¾", 5'-10¾", 7½", 10⅞", 10⅞", 10⅞", 11⅞", 4'-4"

ITEM	FILE NAME	DESCRIPTION	CUSTOMER DRAWING #	VENDOR PART #	QTY.
1	00028303	RISER, 9FT RADIUS STEP, 52 IN, "D"	00028303	00028303	1
2	00028294	ASSEMBLY, PANEL, RADIUS STEP, 52 IN WALL, 4 TREAD, LEFT SIDE	00028294	00028294	1
3	00028298	TREAD, 9FT RADIUS STEP, 52 IN, BOTTOM "D"	00028298	00028298	1
4	00028302	RISER, 9FT RADIUS STEP, 52 IN, "C"	00028302	00028302	1
5	00028297	TREAD, 9FT RADIUS STEP, 52 IN, MIDDLE "C"	00028297	00028297	1
6	00028301	RISER, 9FT RADIUS STEP, 52 IN, "B"	00028301	00028301	1
7	00028296	TREAD, 9FT RADIUS STEP, 52 IN, MIDDLE "B"	00028296	00028296	1
8	00028300	RISER, 9FT RADIUS STEP, 52 IN, "A"	00028300	00028300	1
9	00028295	TREAD, 9FT RADIUS STEP, 52 IN, TOP "A"	00028295	00028295	1
10	00028299	RISER, 9FT RADIUS STEP, 52 IN, TOP BACK	00028299	00028299	1
11	BOLT PACK	BOLT, FLANGE, 3/8-16 X 1", PACK (50)	HPS1916	HPS1916	3
12	FHSCS 0.375-16x1x1-HX-N	FHSCS 0.375-16x1x1-HX-N			100
13	00028293	ASSEMBLY, PANEL, RADIUS STEP, 52 IN WALL, 4 TREAD, RIGHT SIDE	00028293	00028293	1

WEIGHT: 79.110 lbs.
VOLUME: 278.242 Inch³
COLOR: NA
HEAT TREAT: NA
FINISH: NA
TEXTURE: NA

REFERENCED ENG DRAWING NUMBER
00028304

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: X ± .1
XX ± .01
XXX ± .001
XXXX ± .0005
ANGULAR: X ± 0.5
THIRD ANGLE PROJECTION

DESIGNED BY: BFOUTZ
DETAILED BY: RMILLER
LAST REVISED BY: iessex
MATERIAL: G-235,14 GA

CREATION DATE: 11/11/2019
DETAILED DATE: 6/7/2023
LAST REVISED DATE: 3/6/2023

SAMSON STEEL

TITLE: ASSEMBLY, STEP, 52 IN WALL, 4 TREAD, 9FT RADIUS, 6' WIDE, 90° CORNER
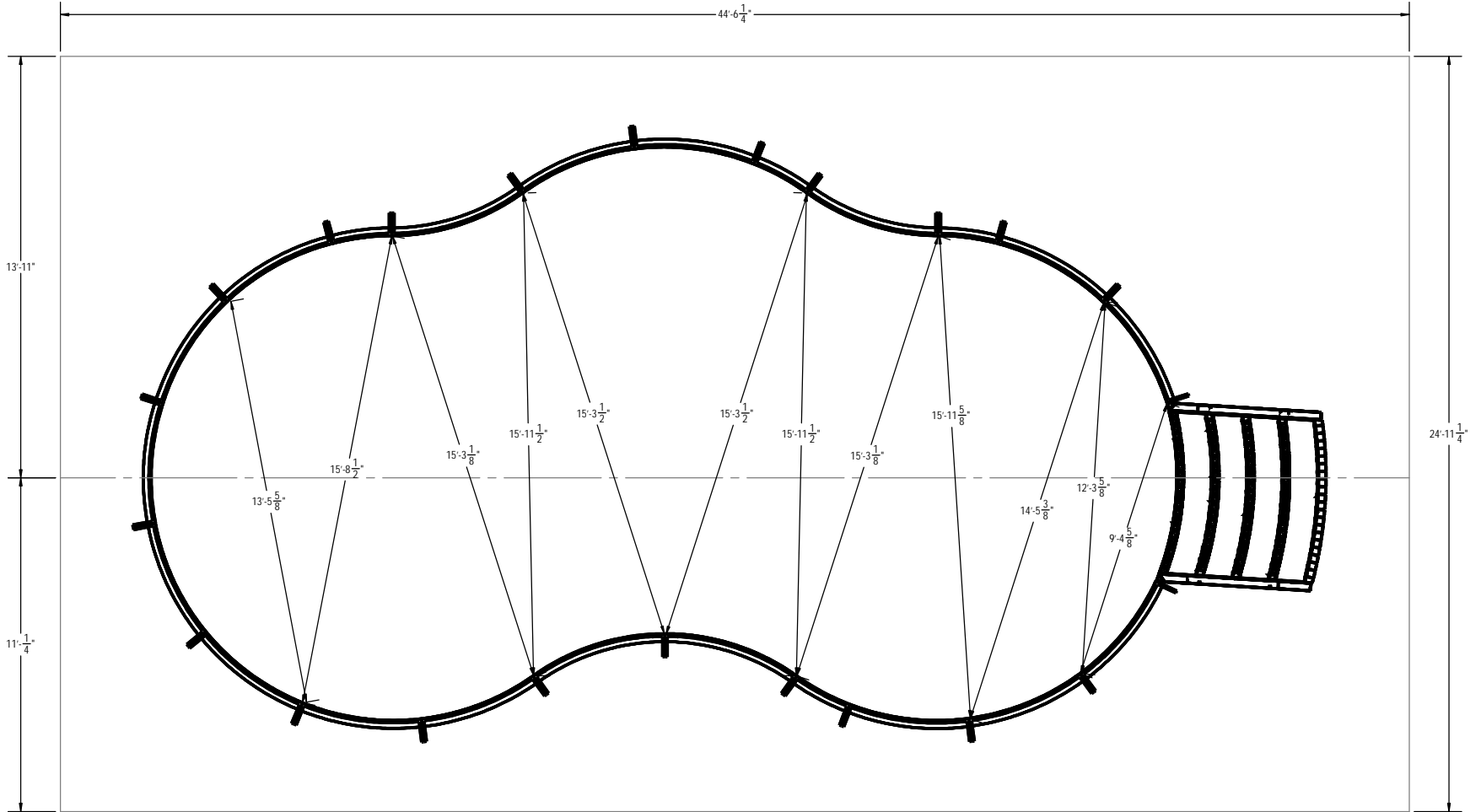
PART NUMBER: HSSH28304

SCALE: 1:50
SIZE: B
SHEET: 2 OF 5

Centerline

WEIGHT: lbs	UNLESS OTHERWISE SPECIFIED	DESIGNED BY: RMILLER	CREATION DATE: 10/25/2019	SAMSON STEEL
VOLUME: Inch³	DIMENSIONS ARE IN INCHES TOLERANCES	DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023	
COLOR:	DECIMALS: X ± .1 XX ± .01 XXX ± .001 XXXX ± .0005	LAST REVISED BY: iessex	LAST REVISED DATE: 3/21/2023	TITLE: LAYOUT, 16'X34', LAGOON, HPSH28304, 1- AQUA GENIE, 850 SERIES
HEAT TREAT:		MATERIAL:		
FINISH:	ANGULAR: X ± 0.5			
TEXTURE:	THIRD ANGLE PROJECTION			PART NUMBER: 00041378

SCALE: 1:50
SIZE: B

DRAWING NUMBER: 00041378

REV. LEVEL: A-REV. DATE: JULY 29, 2015-DOCUMENT ID: CF7310, ANSI B

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Dimension reference tables (Diagonal, Centerline, and A/B/C/D coordinate tables) — values shown as point-to-point distances in feet-inches.

Diagonal (selected readable entries)

From/To	Dimension
1 to 2	3' 11-1/2"
1 to 3	7' 8"
1 to 4	24' 4-3/8"
1 to 5	13' 9-1/4"
1 to 6	15' 9-1/4"
1 to 7	19' 5-3/4"
1 to 8	22' 4-3/8"
1 to 9	26' 2-1/4"
1 to 10	28' 0-7/8"
1 to 11	31' 2-3/8"
1 to 12	33' 1-3/4"
1 to 13	33' 3-1/2"
1 to 14	32' 5-3/8"
1 to 15	30' 2-1/2"
1 to 16	26' 8-7/8"
1 to 17	22' 9-3/8"
1 to 18	18' 3"

Centerline (selected readable entries)

#	Dimension
1	2' 5-5/8"
2	5' 9-3/4"
3	2' 8-7/8"
5	9' 5"
6	10' 4-1/2"
7	10' 10-3/8"
9	7' 1/2"
10	7' 8-7/8"
11	5' 9-3/4"
12	2' 5-5/8"

Coordinate table

#	A	B	C	D
1	38' 3-1/2"	13' 11-5/8"		38' 8-1/8"
2	35' 4-1/4"	12' 11-1/2"		38' 3-3/4"

44'-6 1/4"

13'-11"

24'-11 1/4"

11'- 1/4"

15'-8 1/2"
15'-3 1/8"
15'-11 1/2"
15'-3 1/2"
15'-3 1/2"
15'-11 1/2"
15'-11 5/8"
15'-3 1/8"
13'-5 5/8"
14'-5 3/8"
12'-3 5/8"
9'-4 5/8"

WEIGHT: lbs	UNLESS OTHERWISE SPECIFIED	DESIGNED BY: RMILLER	CREATION DATE: 10/25/2019	SAMSON STEEL
VOLUME: Inch³	DIMENSIONS ARE IN INCHES TOLERANCES	DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023	
COLOR:	DECIMALS: X ± .1 XX ± .01 XXX ± .001 XXXX ± .0005	LAST REVISED BY: iessex	LAST REVISED DATE: 3/21/2023	TITLE: LAYOUT, 16'X34', LAGOON, HPSH28304, 1- AQUA GENIE, 850 SERIES
HEAT TREAT:		MATERIAL:		
FINISH:	ANGULAR: X ± 0.5 THIRD ANGLE PROJECTION			
TEXTURE:				

PART NUMBER: 00041378

SCALE: 1:50
SIZE: B
SHEET: 5 OF 5

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