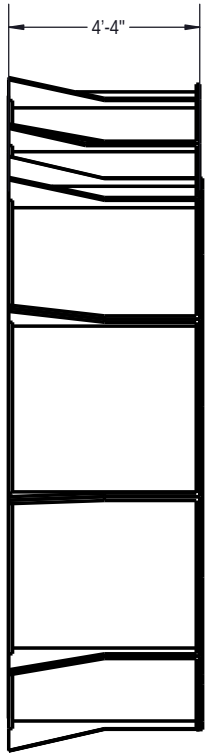
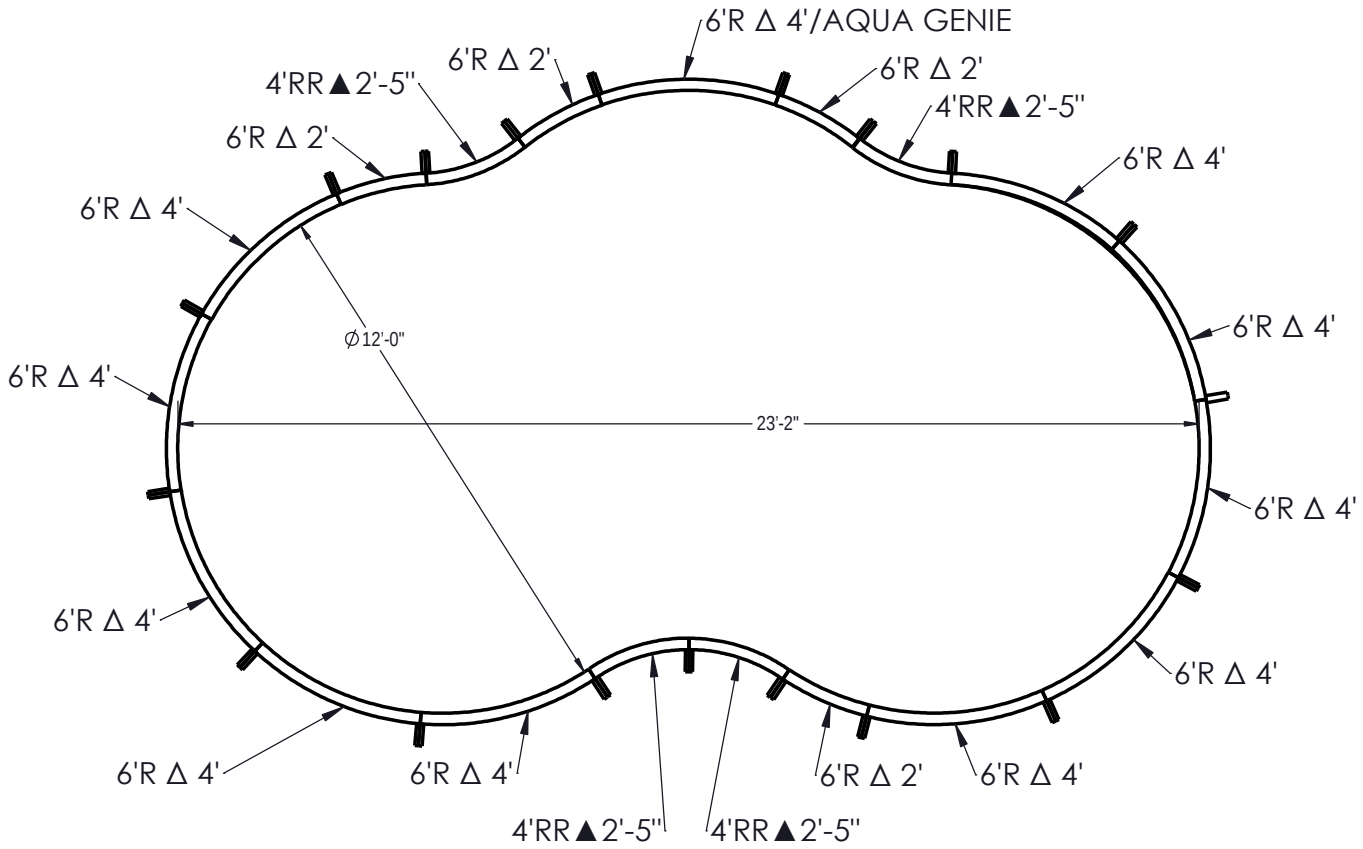
REVISION HISTORY				
REV.	DESCRIPTION	DATE	ECO	BY
A	RELEASED FOR QUOTE	5/4/2022		RMILLER
B	UPDATED PER TICKET #584893	11/4/2022		IESSEX
C	UPDATED PER TICKET #873857	3/25/2023		IESSEX
D	ADDED DIG NOTES	4/9/2023		IESSEX
E	UPDATED DIG NOTES	4/10/2023		RMILLER
F	UPDATED PANEL	6/7/2023		IESSEX

MIRROR NUMBER:

MADE FROM:

CHECK IN DATE/TIME: Sunday, April 9, 2023 3:01:15 PM





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" 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	BOLT, PACK	BOLT, FLANGE, 3/8-16 X 1", PACK (50)	HPS1916	HPS1916	8
2	52IN, BRACE	BRACE, BUTTRESS, 52", 850 SERIES	HPSHTRIBRC	00025945	19
3	52IN STD LINER	LINER, 12' X 23' LAGOON, 850 SERIES	HL1223LAGO52	00028118	1
4	52IN PANEL, RR	PANEL, 4' REVERSE RADIUS, 2'-5.00"LONG, 850 SERIES	HPSH4RR250	00027943	4
5	52 IN PANEL, RADIUS	PANEL, 6' RADIUS, 2' LONG, 850 SERIES	HPSH6R2	00027705	4
6	52 IN PANEL, RADIUS	PANEL, 6' RADIUS, 4' LONG, 850 SERIES	HPSH6R4	00027688	10
7	52 IN PANEL, RADIUS	PANEL, 6' RADIUS, 4' LONG, AQUA GENIE, 850 SERIES	HPSH6R4AG	00046576	1
8	STAKE	STAKE , 14 GA	HPSSTAKE	00003484	19

ENGINEERING DRAWING NUMBER: 00043086

WEIGHT: lbs
VOLUME: Inch³
COLOR:
HEAT TREAT:
FINISH:
TEXTURE:

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: X ± .1
XX ± .01
XXX ± .001
XXXX ± .0005

ANGULAR: X ± 0.5
THIRD ANGLE PROJECTION

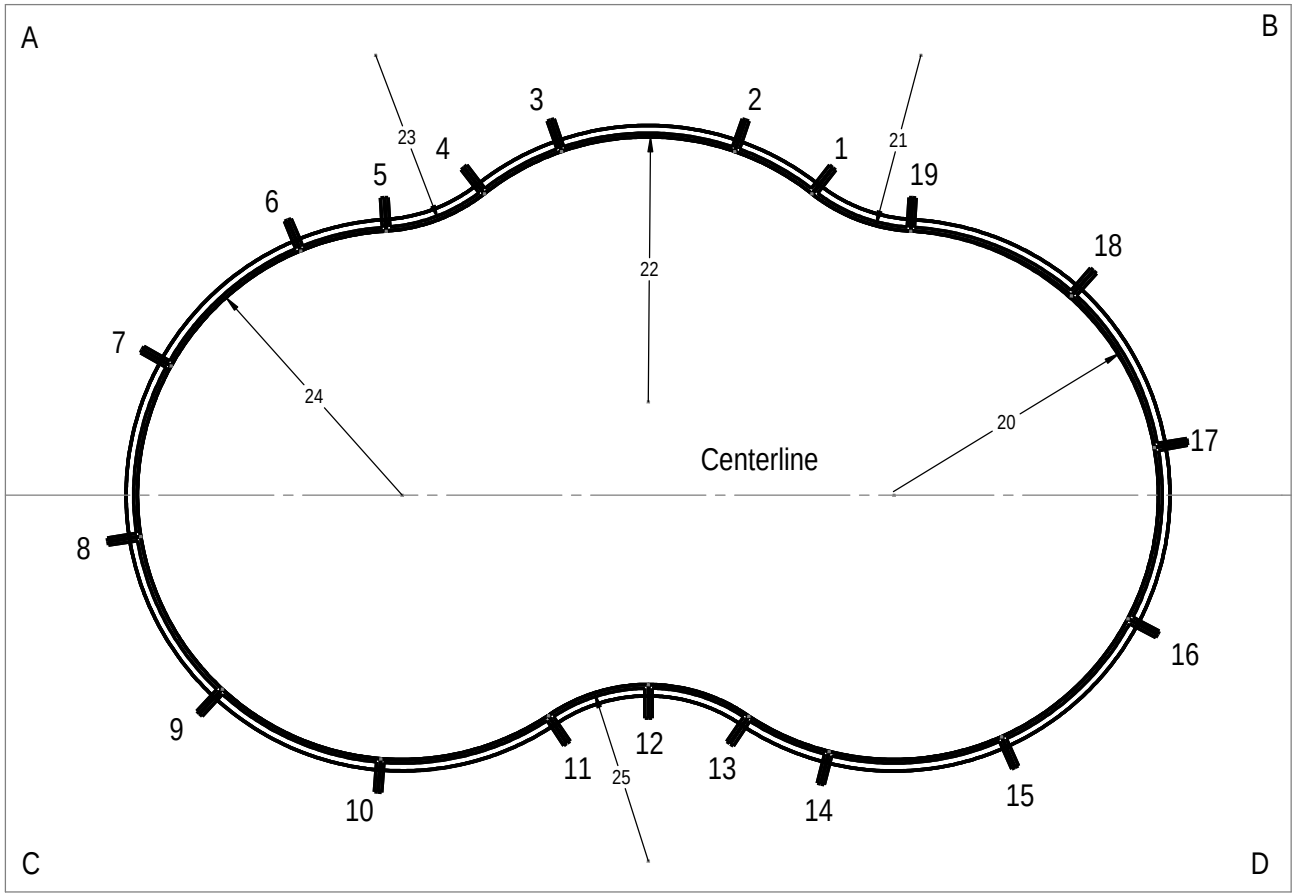
DESIGNED BY: RMILLER	CREATION DATE: 10/25/2019
DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023
LAST REVISED BY: iessex	LAST REVISED DATE: 4/9/2023
MATERIAL:	

ATLAS STEEL

TITLE: LAYOUT, 12'x23', LAGOON, 1- AQUA GENIE, 850 SERIES

PART NUMBER: 00043086

SCALE: 1:96
SIZE: A
SHEET: 1 OF 4



ENGINEERING DRAWING NUMBER: 00043086	WEIGHT: lbs	UNLESS OTHERWISE SPECIFIED	DESIGNED BY: RMILLER	CREATION DATE: 10/25/2019
	VOLUME: Inch³	DIMENSIONS ARE IN INCHES	DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023
	COLOR:	TOLERANCES	LAST REVISED BY: iessex	LAST REVISED DATE: 4/9/2023
	HEAT TREAT:	DECIMALS: X ± .1	MATERIAL:	
	FINISH:	XX ± .01		
	TEXTURE:	XXX ± .001		
		XXXX ± .0005		
		ANGULAR: X ± 0.5		
		THIRD ANGLE PROJECTION		

ATLAS STEEL

TITLE: LAYOUT, 12'x23', LAGOON, 1- AQUA GENIE, 850 SERIES

PART NUMBER: 00043086

SCALE: 1:96

SIZE: A

SHEET: 2 OF 4

MIRROR NUMBER:

MADE FROM:

CHECK IN DATE/TIME: Sunday, April 9, 2023 3:01:15 PM

Diagonal	
1 to 2	1' 11-7/8"
1 to 3	5' 9"
1 to 4	7' 5"
1 to 5	9' 8-1/4"
1 to 6	11' 8"
1 to 7	15' 0-1/2"
1 to 8	17' 1"
1 to 9	17' 5-5/8"
1 to 10	16' 1-1/2"
1 to 11	13' 3-1/8"
1 to 12	11' 8-7/8"
1 to 13	11' 11-1/4"
1 to 14	12' 7-7/8"
1 to 15	13' 0-5/8"
1 to 16	12' 0-1/4"
1 to 17	9' 8"
1 to 18	6' 3-7/8"
1 to 19	2' 4-1/2"
1 to 20	7' 1-1/8"
1 to 21	4' 0"
1 to 22	6' 0"
1 to 23	10' 4-5/8"
1 to 24	11' 6-3/8"
1 to 25	15' 7"
2 to 3	3' 11-1/8"
2 to 4	5' 9"
2 to 5	8' 1-1/4"
2 to 6	10' 1-1/4"
2 to 7	13' 8-1/8"
2 to 8	16' 0-5/8"
2 to 9	16' 10-1/8"
2 to 20	8' 7-1/8"
2 to 21	4' 9"
2 to 22	6' 0"
2 to 23	8' 5-1/4"
2 to 24	10' 10-1/8"
2 to 25	16' 2-1/2"
3 to 4	1' 11-7/8"
3 to 5	4' 4-3/8"
3 to 6	6' 4"
3 to 7	10' 1-1/4"
3 to 8	12' 11-1/8"
3 to 9	14' 5"
4 to 5	2' 4-5/8"
4 to 6	4' 4-3/8"
4 to 7	8' 1-1/4"
4 to 8	11' 0-1/8"
4 to 9	12' 8-5/8"
5 to 6	1' 11-7/8"
5 to 7	5' 9"
5 to 8	8' 10-5/8"
5 to 9	11' 0-3/8"
6 to 7	3' 11-1/8"
6 to 8	7' 5"
6 to 9	10' 1-1/8"
7 to 8	3' 11-1/8"
7 to 9	7' 5"
8 to 9	3' 11-1/8"
10 to 2	15' 11-3/8"
10 to 3	14' 4-1/2"
10 to 4	13' 0-3/8"
10 to 5	11' 11-5/8"
10 to 6	11' 8"
10 to 7	10' 1-1/8"
10 to 8	7' 5"
10 to 9	3' 11-1/8"
10 to 11	3' 11-1/8"
10 to 12	6' 3-1/2"
10 to 13	8' 4-7/8"
10 to 14	10' 2"
10 to 15	14' 1-1/8"
10 to 16	17' 3"
10 to 17	18' 11"
10 to 18	18' 10-3/8"
10 to 19	16' 11-3/8"
10 to 20	13' 1-1/8"
10 to 21	20' 1-1/2"
10 to 22	10' 1-1/2"
10 to 23	15' 11-1/2"
10 to 24	6' 0"
10 to 25	6' 5-7/8"
11 to 2	13' 5-5/8"
11 to 3	12' 9-5/8"
11 to 4	11' 11-1/8"
11 to 5	11' 7-1/8"
11 to 6	11' 11-3/8"
11 to 7	11' 8"
11 to 8	10' 1-1/8"
11 to 9	7' 5"
11 to 12	2' 4-1/2"
11 to 13	4' 6-1/2"
11 to 14	6' 5"
11 to 15	10' 3-1/2"
11 to 16	13' 4"
11 to 17	15' 0-3/8"
11 to 18	15' 2-1/2"
11 to 19	13' 8-1/2"
11 to 20	9' 3-5/8"
11 to 21	17' 2-3/8"
11 to 22	7' 5-3/4"
11 to 23	15' 5-7/8"
11 to 24	6' 0"
11 to 25	4' 0"
12 to 2	12' 3"
12 to 3	12' 3"
12 to 4	11' 8-7/8"
12 to 5	11' 10-1/2"
12 to 6	12' 7-1/4"
12 to 7	13' 0-1/8"
12 to 8	11' 11-7/8"
12 to 9	9' 7-7/8"
12 to 13	2' 4-5/8"
12 to 14	4' 4-1/2"
12 to 15	8' 1-1/4"
12 to 16	10' 11-7/8"
12 to 17	12' 8-1/8"
12 to 18	13' 0-3/8"
12 to 19	11' 10-1/2"
12 to 20	7' 0-1/2"
12 to 21	15' 6-3/4"
12 to 22	6' 5"
12 to 23	15' 6-3/4"
12 to 24	7' 0-1/2"
12 to 25	4' 0"
13 to 2	12' 9-3/4"
13 to 3	13' 5-7/8"
13 to 4	13' 3-3/8"
13 to 5	13' 8-3/4"
13 to 6	14' 7-3/4"
13 to 7	15' 3-3/4"
13 to 8	14' 4-1/2"
13 to 9	11' 11-1/2"
13 to 14	1' 11-7/8"
13 to 15	5' 9"
13 to 16	8' 10-5/8"
13 to 17	11' 0-3/8"
13 to 18	12' 0-1/4"
13 to 19	11' 7-1/8"
13 to 20	6' 0"
13 to 21	15' 5-7/8"
13 to 22	7' 5-7/8"
13 to 23	17' 2-5/8"
13 to 24	9' 3-7/8"
13 to 25	4' 0"
14 to 2	13' 9-1/4"
14 to 3	14' 10-3/4"
14 to 4	14' 10-3/8"
14 to 5	15' 6"
14 to 6	16' 6-1/8"
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14 to 8	16' 4-1/4"
14 to 9	13' 10"
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14 to 16	7' 5"
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14 to 18	11' 8-1/2"
14 to 19	11' 11-3/8"
14 to 20	5' 12"
14 to 21	15' 11-1/4"
14 to 22	8' 11-1/4"
14 to 23	18' 10-1/4"
14 to 24	11' 3-1/2"
14 to 25	4' 9-1/2"
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15 to 6	19' 4-1/8"
15 to 7	20' 7-1/2"
15 to 8	20' 0-1/2"
15 to 9	17' 8-1/2"
15 to 16	3' 11-1/8"
15 to 17	7' 5"
15 to 18	10' 1-5/8"
15 to 19	11' 7-7/8"
15 to 20	5' 12"
15 to 21	15' 6-7/8"
15 to 22	11' 0-5/8"
15 to 23	20' 11-7/8"
15 to 24	14' 7-7/8"
15 to 25	8' 5-7/8"
16 to 2	13' 10-1/4"
16 to 3	16' 7-7/8"
16 to 4	17' 5-7/8"
16 to 5	18' 11-3/4"
16 to 6	20' 6-3/8"
16 to 7	22' 5-3/8"
16 to 8	22' 5-5/8"
16 to 9	20' 7-1/4"
16 to 17	3' 11-1/8"
16 to 18	7' 5-1/4"
16 to 19	10' 1-1/8"
16 to 20	5' 12"
16 to 21	13' 7-1/2"
16 to 22	11' 11-3/8"
16 to 23	21' 3-7/8"
16 to 24	16' 8-3/8"
16 to 25	12' 2-1/4"
17 to 2	11' 7-3/4"
17 to 3	15' 0-3/8"
17 to 4	16' 3"
17 to 5	18' 1-1/4"
17 to 6	19' 10-3/8"
17 to 7	22' 4-1/2"
17 to 8	23' 0-7/8"
17 to 9	21' 10-1/8"
17 to 18	3' 11-1/8"
17 to 19	7' 4-7/8"
17 to 20	5' 12"
17 to 21	10' 4-1/4"
17 to 22	11' 6-3/8"
17 to 23	19' 9-3/8"
17 to 24	17' 1-1/8"
17 to 25	14' 9-7/8"
18 to 2	8' 3-5/8"
18 to 3	12' 0-1/8"
18 to 4	13' 6-1/8"
18 to 5	15' 7-1/4"
18 to 6	17' 6-1/8"
18 to 7	20' 5-3/4"
18 to 8	21' 9-5/8"
18 to 9	21' 2-3/4"
18 to 19	3' 11-3/8"
18 to 20	6' 0-5/8"
18 to 21	6' 5-1/4"
18 to 22	9' 10-3/4"
18 to 23	16' 8-3/8"
18 to 24	15' 10"
18 to 25	16' 0-1/4"
19 to 2	4' 4-3/8"
19 to 3	8' 1-1/4"
19 to 4	9' 8-1/8"
19 to 5	11' 10-1/2"
19 to 6	13' 9-7/8"
19 to 7	17' 0-3/8"
19 to 8	18' 9-1/8"
19 to 9	18' 8-7/8"
19 to 20	6' 0"
19 to 21	4' 0"
19 to 22	7' 1"
19 to 23	12' 9-1/8"
19 to 24	12' 11-3/4"
19 to 25	15' 5-5/8"
20 to 3	6' 0"
20 to 4	6' 0"
20 to 5	7' 1-1/8"
20 to 6	8' 7-1/8"
20 to 7	10' 10-1/8"
20 to 8	11' 10-7/8"
20 to 9	11' 7-7/8"
20 to 23	10' 0"
20 to 24	5' 11-5/8"
20 to 25	9' 12"
21 to 3	8' 5-1/4"
21 to 4	10' 4-5/8"
21 to 5	12' 9-1/4"
21 to 6	14' 9"
21 to 7	18' 4-7/8"
21 to 8	20' 9-1/2"
21 to 9	21' 4-3/4"
21 to 22	10' 0"
21 to 23	12' 4-3/8"
21 to 24	15' 5-1/8"
21 to 25	19' 3-5/8"
22 to 3	6' 0"
22 to 4	6' 0"
22 to 5	7' 1-1/8"
22 to 6	8' 7-1/8"
22 to 7	10' 10-1/8"
22 to 8	11' 10-7/8"
22 to 9	11' 7-7/8"
22 to 23	10' 0"
22 to 24	5' 11-5/8"
22 to 25	10' 5"
23 to 3	4' 9"
23 to 4	4' 0"
23 to 5	4' 0"
23 to 6	4' 9"
23 to 7	8' 5-1/4"
23 to 8	12' 1-3/4"
23 to 9	14' 9-1/2"
23 to 24	10' 0"
23 to 25	19' 3-5/8"
24 to 3	8' 7-1/8"
24 to 4	7' 1-1/8"
24 to 5	6' 0"
24 to 6	6' 0"
24 to 7	6' 0"
24 to 8	6' 0"
24 to 9	6' 0"
24 to 25	9' 12"
25 to 3	16' 2-1/2"
25 to 4	15' 7"
25 to 5	15' 5-5/8"
25 to 6	15' 11-1/8"
25 to 7	15' 7-1/8"
25 to 8	13' 8"
25 to 9	10' 5"

Centerline	
1	6' 10"
2	7' 9-1/2"
3	7' 9-1/2"
4	6' 10"
5	5' 11-7/8"
6	5' 6-1/2"
7	2' 11-1/8"
8	0' 11-1/4"
9	4' 4-3/4"
10	5' 11-3/4"
11	5' 0"
12	4' 3-5/8"
13	5' 0-1/8"
14	5' 9-3/4"
15	5' 5-3/4"
16	2' 9-5/8"
17	1' 0-7/8"
18	4' 6-1/4"
19	5' 11-7/8"
20	0' 0"
21	9' 11-3/4"
22	2' 1-1/2"
23	9' 11-3/4"
24	0' 0"
25	8' 3-5/8"

	A	B	C	D
1	18' 9-3/8"	11' 8-1/4"	24' 2-3/8"	19' 2-1/2"
2	16' 10-1/2"	13' 0-5/8"	23' 6-7/8"	21' 0"
3	13' 0-5/8"	16' 10-1/2"	21' 0"	23' 6-7/8"
4	11' 8-1/4"	18' 9-3/8"	19' 2-1/2"	24' 2-3/8"
5	10' 0-5/8"	21' 1-7/8"	17' 3-5/8"	25' 5"
6	8' 8-5/8"	23' 1-3/4"	16' 0-1/8"	26' 9-1/8"
7	9' 0-1/8"	26' 8-1/4"	12' 6-1/8"	28' 0-3/4"
8	12' 5-1/4"	28' 8-7/8"	8' 7-5/8"	27' 3-5/8"
9	16' 3-3/8"	28' 9-3/8"	6' 8-7/8"	24' 8-1/8"
10	19' 1-1/4"	26' 9-3/4"	9' 0-3/8"	20' 10-3/8"
11	20' 3-1/2"	23' 3-3/4"	12' 11-3/8"	17' 3-3/4"
12	21' 2-5/8"	21' 2-5/8"	15' 3-7/8"	15' 3-7/8"
13	23' 4"	20' 3-1/2"	17' 3-7/8"	12' 11-1/8"
14	25' 2-5/8"	19' 11"	18' 11-3/8"	10' 11-3/8"
15	28' 0-1/2"	17' 10-1/4"	22' 10-3/8"	7' 5-3/8"
16	29' 0-1/4"	14' 4-7/8"	26' 2-1/2"	7' 2-5/8"
17	27' 11-1/8"	10' 6-1/8"	27' 11-1/4"	10' 6-1/2"
18	25' 0-3/4"	8' 3-1/4"	27' 8-1/2"	14' 5"
19	21' 1-3/4"	10' 0-5/8"	25' 4-7/8"	17' 3-5/8"
20	23' 0-1/4"	14' 3-3/4"	22' 0-7/8"	12' 8-3/4"
21	20' 9-1/2"	8' 5-5/8"	28' 1-5/8"	20' 9-1/8"
22	17' 1-5/8"	17' 1-5/8"	18' 4-1/8"	18' 4"
23	8' 5-5/8"	20' 9-1/2"	20' 9-1/8"	28' 1-5/8"
24	14' 3-3/4"	23' 0-1/4"	12' 8-3/4"	22' 0-7/8"
25	24' 3-3/8"	24' 3-3/8"	14' 7-1/8"	14' 7-1/8"
A	-	29' 1-7/8"	20' 1-1/2"	35' 5-1/8"

MIRROR NUMBER:

MADE FROM:

CHECK IN DATE/TIME: Sunday, April 9, 2023 3:01:15 PM

ENGINEERING DRAWING NUMBER: 00043086

WEIGHT: lbs

VOLUME: Inch³

COLOR:

HEAT TREAT:

FINISH:

TEXTURE:

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: RMILLER	CREATION DATE: 10/25/2019
DETAILED BY: RMILLER	DETAILED DATE: 6/7/2023
LAST REVISED BY: iessex	LAST REVISED DATE: 4/9/2023
MATERIAL:	

ATLAS STEEL

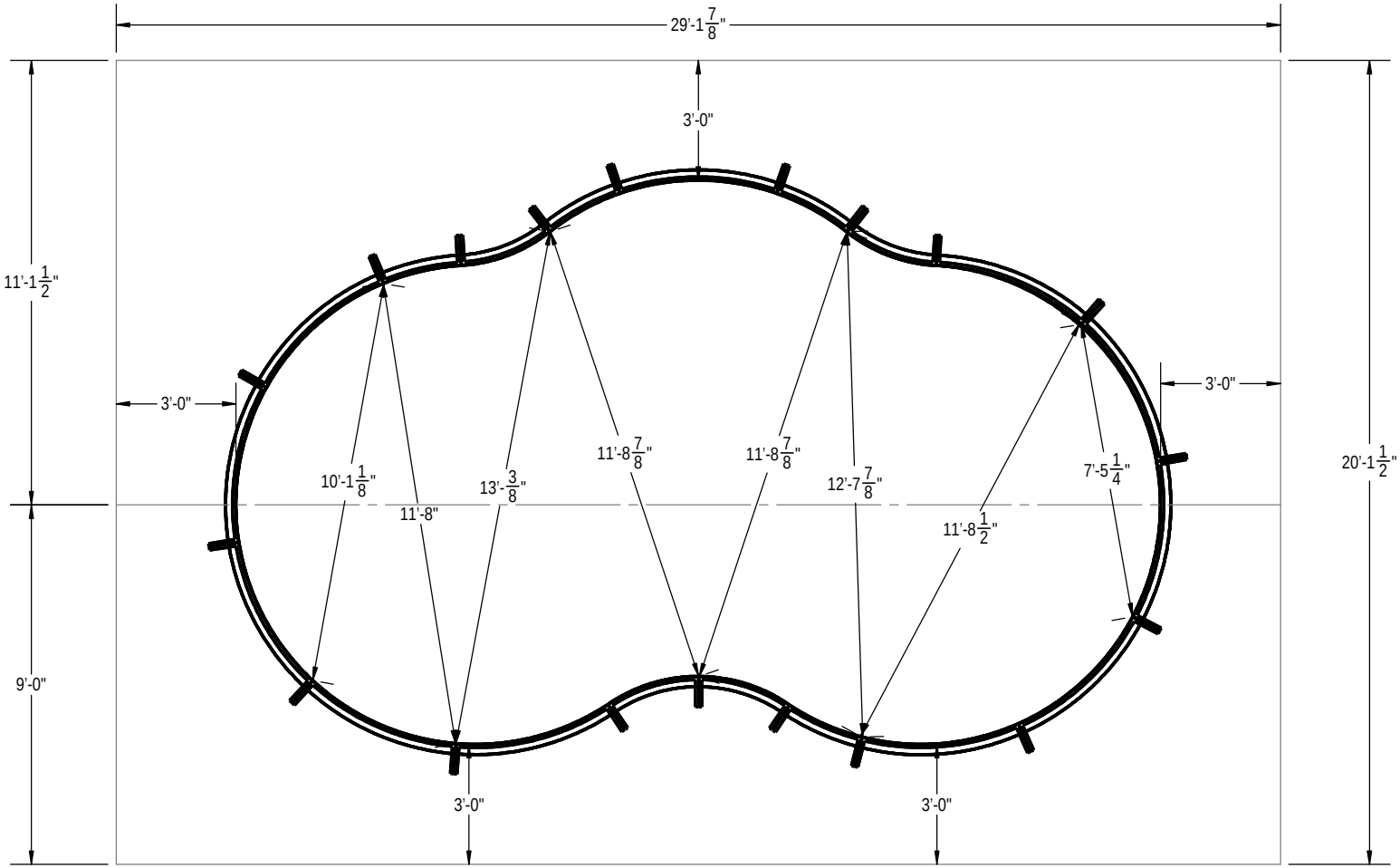
TITLE: LAYOUT, 12'x23', LAGOON, 1- AQUA GENIE, 850 SERIES

PART NUMBER: 00043086

SCALE: 1:96

SHEET: 3 OF 4

SIZE: A



ENGINEERING DRAWING NUMBER: 00043086	WEIGHT: lbs VOLUME: Inch³ COLOR: HEAT TREAT: FINISH: TEXTURE:	**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: RMILLER DETAILED BY: RMILLER LAST REVISED BY: iessex MATERIAL:	CREATION DATE: 10/25/2019 DETAILED DATE: 6/7/2023 LAST REVISED DATE: 4/9/2023

ATLAS STEEL

TITLE: LAYOUT, 12'x23', LAGOON, 1- AQUA GENIE, 850 SERIES

PART NUMBER: 00043086

SCALE: 1:96

SIZE: A

SHEET: 4 OF 4

MIRROR NUMBER:

MADE FROM:

CHECK IN DATE/TIME: Sunday, April 9, 2023 3:01:15 PM