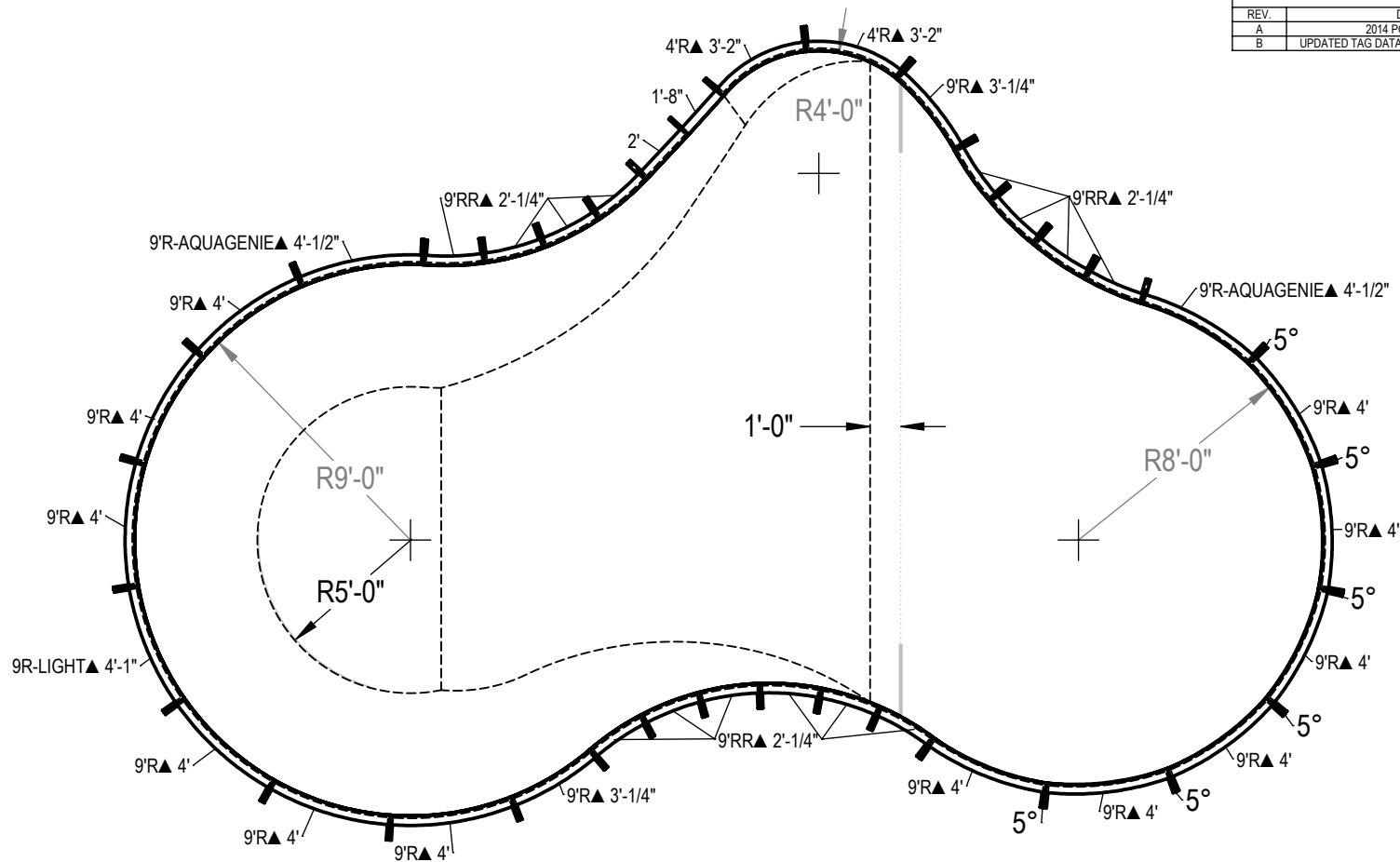


REVISION HISTORY				
REV.	DESCRIPTION	DATE	ECO	BY
A	2014 POLYMER DIG BOOK	01/09/14	NONE	THARKENRIDER
B	UPDATED TAG DATA TO INCLUDE COPING LENGTHS.	1/26/2015	391702	JBOSSEDET



ITEM	FILE NAME	DESCRIPTION	CUSTOMER DRAWING #	VENDOR PART #	QTY.	VENDOR NAME	MATERIAL
1	BRACE	BRACE, 4 TAB, HYDRA - 100 SERIES	HP199	HP199	35	HYDRA POOLS	PS
2	INSERT, 5" WEDGE	INSERT, 5" WEDGE	HP226	HP226	6	HYDRA POOLS, IA	PP Homopolymer
3	PANEL, 1'-8 IN LONG	PANEL, 1'-8" LONG - 500 SERIES	HP516	HP516	1	HYDRA POOLS	PS
4	PANEL, 2' LONG	PANEL, 2' LONG - 500 SERIES	HP502	HP502	1	HYDRA POOLS	PS
5	PANEL, 4' RADIUS	PANEL, 4' RADIUS - 500 SERIES	HP554	HP554	2	HYDRA POOLS	PS
6	PANEL, 9' RADIUS WITH AQUA GENIE	PANEL, 9' RADIUS WITH AQUAGENIE - 500 SERIES	HP559A	HP559A	2	HYDRA POOLS	PS
7	PANEL, 9' RADIUS WITH LIGHT	PANEL, 9' RADIUS WITH LIGHT - 500 SERIES	HP559LL	HP559LL	1	HYDRA POOLS	PS
8	PANEL, 9' RADIUS, 3' LONG	PANEL, 9' RADIUS, 3' LONG, ROMAN - 500 SERIES	HP525D	HP525D	2	HYDRA POOLS	PS
9	PANEL, 9' RADIUS, 4' LONG	PANEL, 9' RADIUS, 4' LONG - 500 SERIES	HP559	HP559	12	HYDRA POOLS	PS
10	PANEL, 9' REVERSE RADIUS	PANEL, 9' REVERSE RADIUS - 500 SERIES	HP519N	HP519N	14	HYDRA POOLS	PS

NOTES:

1. THESE ARE FINISHED DIMENSIONS READY FOR THE LINER.
 2. DIMENSIONS ARE FROM INSIDE POOL PANELS.
 3. THE IDEAL WATER LEVEL SHOULD BE TO THE MIDDLE OF THE SKIMMER OPENING(S).
- EXCAVATION NOTES:**
4. ROUGH EXCAVATION SHOULD BE 2" DEEPER IN EACH INSTANCE.
 5. SOIL TO HAVE MINIMUM BEARING CAPACITY OF 1500 PSF.
 6. LOCATE TOP OF POOL AT LEAST 6" ABOVE THE SURROUNDING LAND ELEVATION.
 7. SEE "OVER DIG DETAIL" FOR EXCAVATION AROUND POOL.
 8. FILL VOIDS UNDER BASE OF PANELS AND TAMP WELL.
 9. BACK FILL WITH NON-EXPANSIVE MATERIAL.
 10. ANSI / ASPP / ICC-5 FOR RESIDENTIAL POOLS, 2003-2007 BOCA CODE SECTION 421.

IMPORTANT NOTES:

11. 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.

WEIGHT:	192914.1 lbs
VOLUME:	Inch ³

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: $X \pm .1$
 $XX \pm .01$
 $XXX \pm .001$
 $XXXX \pm .0005$

ANGULAR: $X \pm 0.5$
THIRD ANGLE PROJECTION



DESIGNED BY:	THARKENRIDER
DETAILED BY:	JBOSSERDET
LAST REVISED BY:	jbosserdet
MATERIAL:	

CREATION DATE:
1/8/2014

DETAILED DATE:	10/5/2012
----------------	-----------

LAST REVISED DATE:	1/26/2015
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HYDRA POOLS

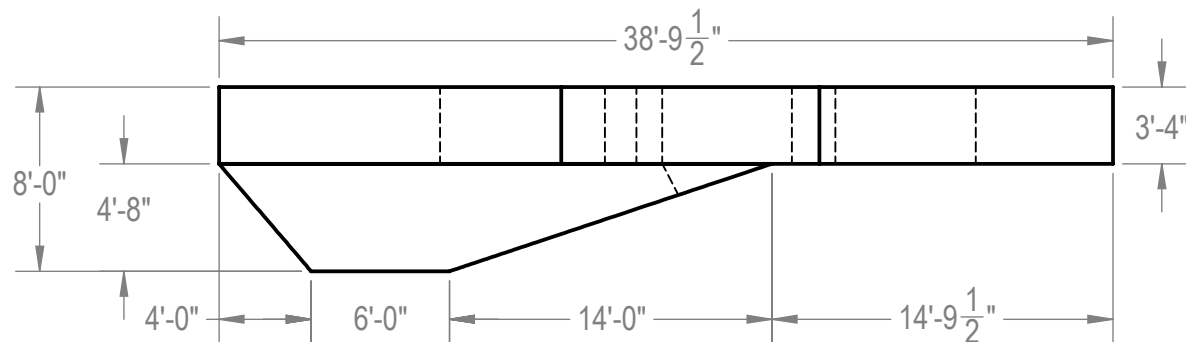
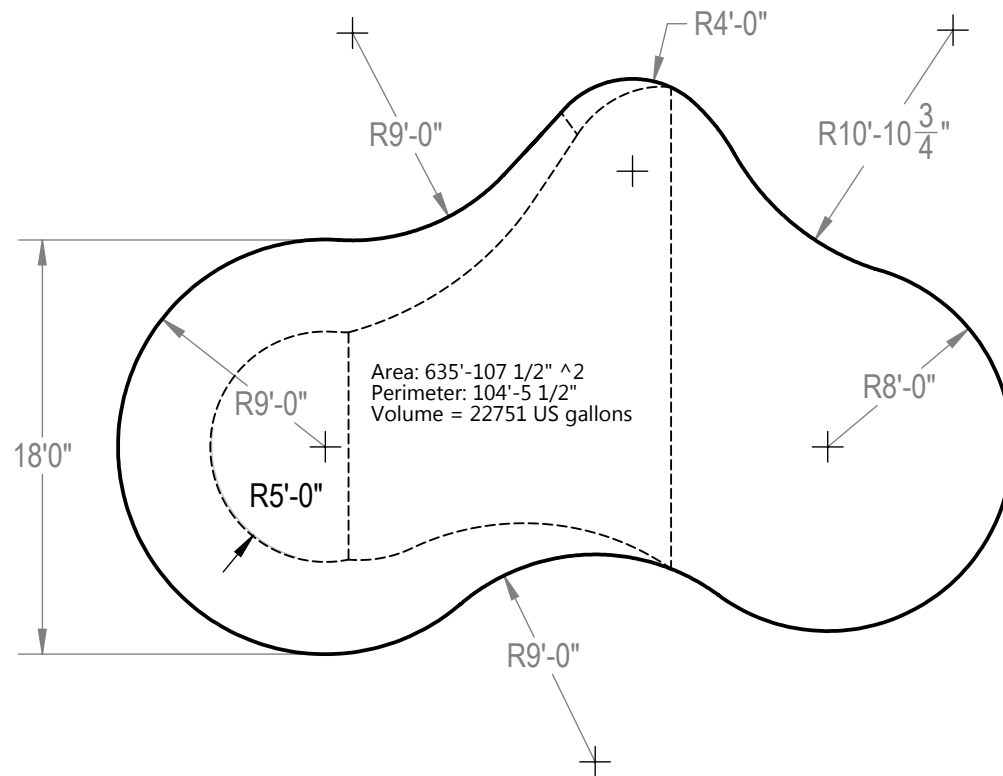
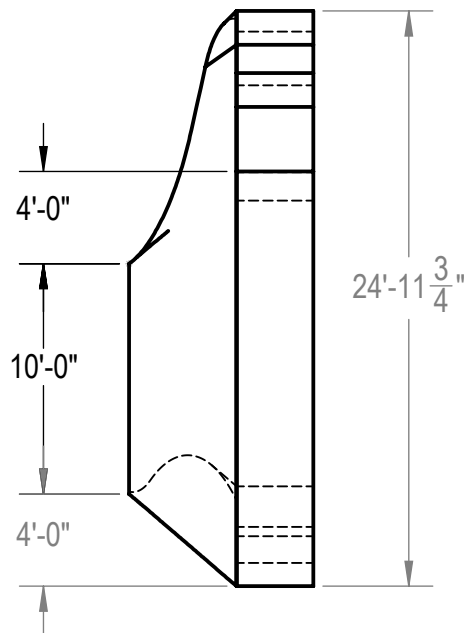
E: TITLE: LAYOUT, 24'-11" X 39', LAGOON, LEFT, 8' DEEP, 500 SERIES

PART NUMBER:

50934

SCALE:	1:192
SHEET:	1 OF 6

A



NOTES:

1. THESE ARE FINISHED DIMENSIONS READY FOR THE LINER.
2. DIMENSIONS ARE FROM INSIDE POOL PANELS.
3. THE IDEAL WATER LEVEL SHOULD BE TO THE MIDDLE OF THE SKIMMER OPENING(S).

EXCAVATION NOTES:

4. ROUGH EXCAVATION SHOULD BE 2" DEEPER IN EACH INSTANCE.
5. SOIL TO HAVE MINIMUM BEARING CAPACITY OF 1500 PSF.
6. LOCATE TOP OF POOL AT LEAST 6" ABOVE THE SURROUNDING LAND ELEVATION.
7. SEE "OVER DIG DETAIL" FOR EXCAVATION AROUND POOL.
8. FILL VOIDS UNDER BASE OF PANELS AND TAMP WELL.
9. BACK FILL WITH NON-EXPANSIVE MATERIAL.
10. ANSI / APSP / ICC-5 FOR RESIDENTIAL POOLS, 2003-2007 BOCA CODE SECTION 421.

IMPORTANT NOTES:

11. 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.

ENGINEERING DRAWING NUMBER: 00005052	WEIGHT:	189865.961 lbs
	VOLUME:	5255473.179 Inch ³
	COLOR:	
	HEAT TREAT:	NA
	FINISH:	NA
	TEXTURE:	NA

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:

THARKENRIDER

DETAILED BY:

JBOSSERDET

LAST REVISED BY:

jbosserdet

MATERIAL:
Water

CREATION DATE:

1/8/2014

DETAILED DATE:

10/5/2012

LAST REVISED DATE:

1/26/2015

HYDRA POOLS

TITLE: LAYOUT, 24'-11" X 39', LAGOON, LEFT, 8' DEEP, 500 SERIES

PART NUMBER:

50934

SCALE:

1:128

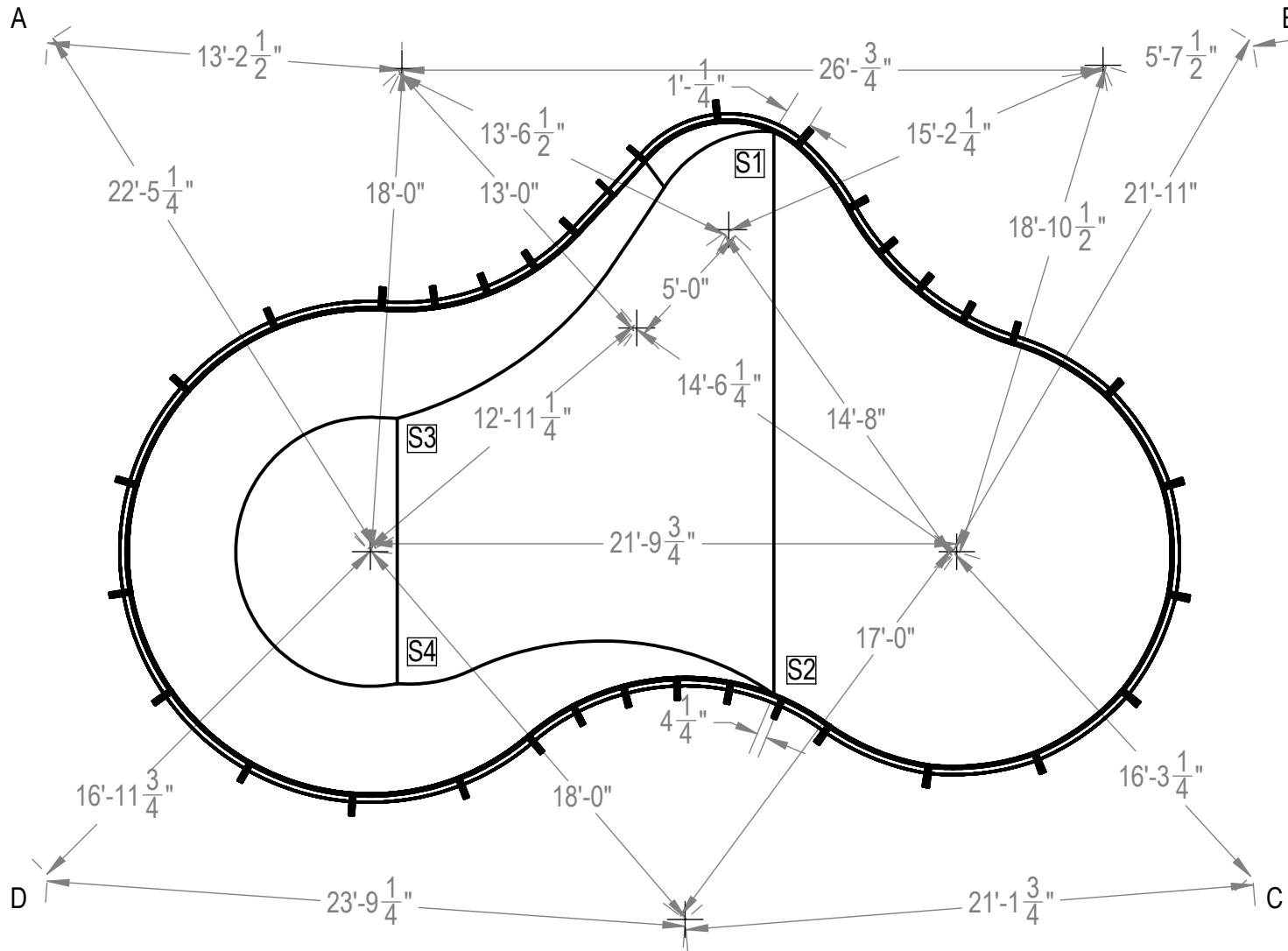
SHEET:

2 OF 6

SIZE:

A

A-S1	27'-2 1/2"
B-S1	18'-1 1/2"
A-S2	36'-3 1/2"
B-S2	30'-1"
A-S3	19'-1 1/4"
B-S3	34'-9"
A-S4	27'-2 1/4"
B-S4	39'-9 1/4"



ENGINEERING DRAWING NUMBER:
00005052

WEIGHT:
192914.1 lbs
VOLUME:
Inch³
COLOR:
HEAT TREAT:
FINISH:
TEXTURE:

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: X ± 0.1
 XX ± 0.01
 XXX ± 0.005
 XXXX ± 0.0005
ANGULAR: X ± 0.5
THIRD ANGLE PROJECTION

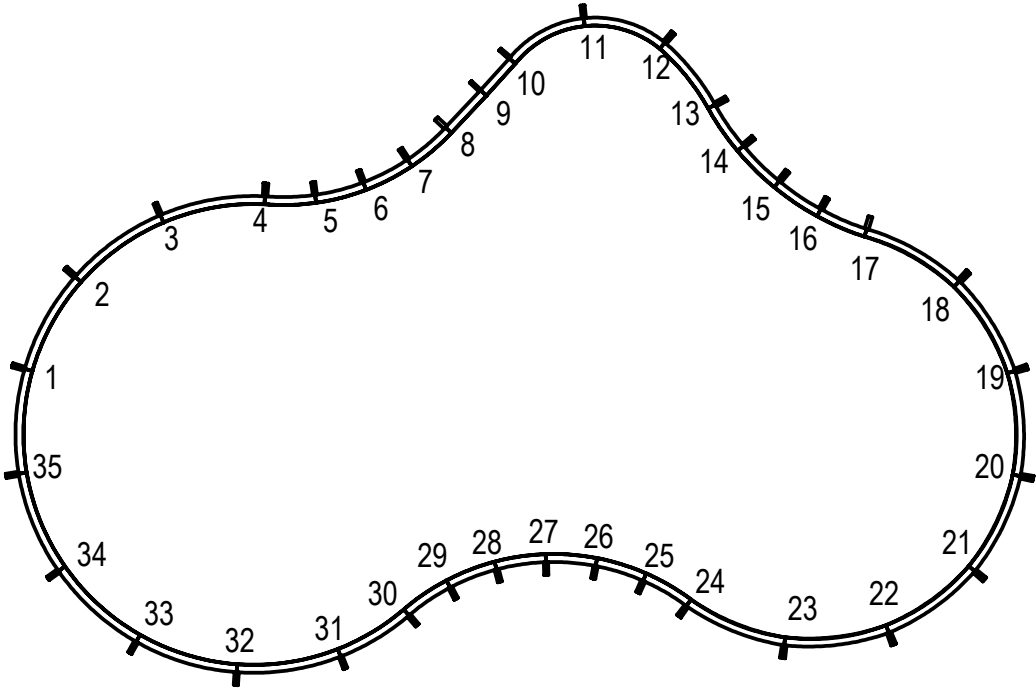
DESIGNED BY:
THARKENRIDER
DETAILED BY:
JBOSSEDET
LAST REVISED BY:
jbosserdet
MATERIAL:

CREATION DATE:
1/8/2014
DETAILED DATE:
10/5/2012
LAST REVISED DATE:
1/26/2015

HYDRA POOLS
TITLE: LAYOUT, 24'-11" X 39', LAGOON, LEFT,
8' DEEP, 500 SERIES
PART NUMBER: 50934
SCALE: 1:192
SHEET: 3 OF 6
SIZE: A

	A	B	C	D
1	16'-10"	44'-7 1/4"	43'-11"	14'-10 1/4"
2	13'-9"	41'-7 1/2"	43'-5 1/4"	18'-8 1/2"
3	13'-7 3/4"	37'-10 1/2"	41'-7 1/4"	21'-11 3/4"
4	15'-11 1/4"	33'-8 3/4"	38'-5 1/4"	24'-4 3/4"
5	17'-6 1/4"	31'-11 1/2"	36'-11 1/2"	25'-6 1/4"
6	18'-10 3/4"	29'-11 1/4"	35'-8"	27'- 3/4"
7	20'- 3/4"	27'-11 1/4"	34'-10"	28'-10 3/4"
8	21'-0"	26'- 3/4"	34'-6 3/4"	30'-11 1/4"
9	21'-10 1/4"	24'-4 1/4"	34'-7 1/2"	32'-11"
10	22'-8"	23'-0"	34'-9 3/4"	34'-7"
11	25'-1 1/4"	20'-1 1/4"	34'-3 1/2"	37'-5 1/4"
12	28'-1 1/2"	17'-4 1/2"	31'-11 1/4"	38'-10"
13	30'-4 3/4"	16'-3 1/2"	28'-11 1/2"	38'-8 1/4"
14	31'-10 3/4"	15'-11 3/4"	26'-11 1/4"	38'-6 3/4"
15	33'-7 3/4"	15'-6 3/4"	25'-0"	38'-11"
16	35'-6 3/4"	15'- 1/4"	23'-2 1/4"	39'-8 1/2"
17	37'-6 3/4"	14'-4 1/2"	21'-8"	40'-11"
18	41'-6"	14'-3 1/2"	18'-7"	43'-2"
19	44'-7 1/2"	16'-11"	14'-9 1/4"	43'-10 1/4"
20	46'-5 1/4"	20'-9 1/2"	10'-10 3/4"	42'-11 1/4"
21	46'-7 3/4"	24'-7 1/4"	8'-5"	36'-11 3/4"
22	45'-2 3/4"	27'-7 3/4"	9'-3 1/2"	40'-6"
23	42'-4 1/2"	29'-5 3/4"	12'-8 1/2"	33'-0"
24	38'-7 1/2"	29'-10 3/4"	16'-8"	29'-7 1/4"
25	36'-7 3/4"	30'-0"	18'-8"	28'-1 1/4"
26	34'-9 3/4"	30'-8 1/2"	20'-8"	26'-4 3/4"
27	33'-3 1/4"	31'-10 3/4"	22'-7 1/2"	24'-6 1/4"
28	32'-1 1/4"	33'-5 3/4"	24'-5 1/4"	22'-6 1/4"
29	31'-5 1/2"	35'-3 3/4"	26'- 1/2"	20'-6 1/4"
30	31'-4 1/2"	37'-3 3/4"	27'-5 1/4"	18'-7"
31	31'-4"	40'-3"	29'-9"	15'-8 1/2"
32	30'-2"	43'-7"	33'-7"	11'-9"
33	27'-10"	45'-10 1/2"	37'-5 3/4"	8'-7 1/2"
34	24'-6 3/4"	46'-10 1/4"	40'-9"	8'-3"
35	20'-8 1/4"	46'-5"	42'-11 3/4"	10'-11 3/4"

A-B	44'-9 1/2"
B-C	30'-11 3/4"
A-C	54'-5 1/2"



ENGINEERING DRAWING NUMBER:
00005052

WEIGHT:
192914.1 lbs

VOLUME:
Inch³

COLOR:

HEAT TREAT:

FINISH:

TEXTURE:

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

TOLERANCES

DECIMALS: X ± 0.1

XX ± 0.01

XXX ± 0.005

XXXX ± 0.0005

ANGULAR: X ± 0.5

THIRD ANGLE PROJECTION

DESIGNED BY:
THARKENRIDER

DETAILED BY:
JBOSSEDET

LAST REVISED BY:
jbosserdet

MATERIAL:

CREATION DATE:
1/8/2014

DETAILED DATE:
10/5/2012

LAST REVISED DATE:
1/26/2015

HYDRA POOLS

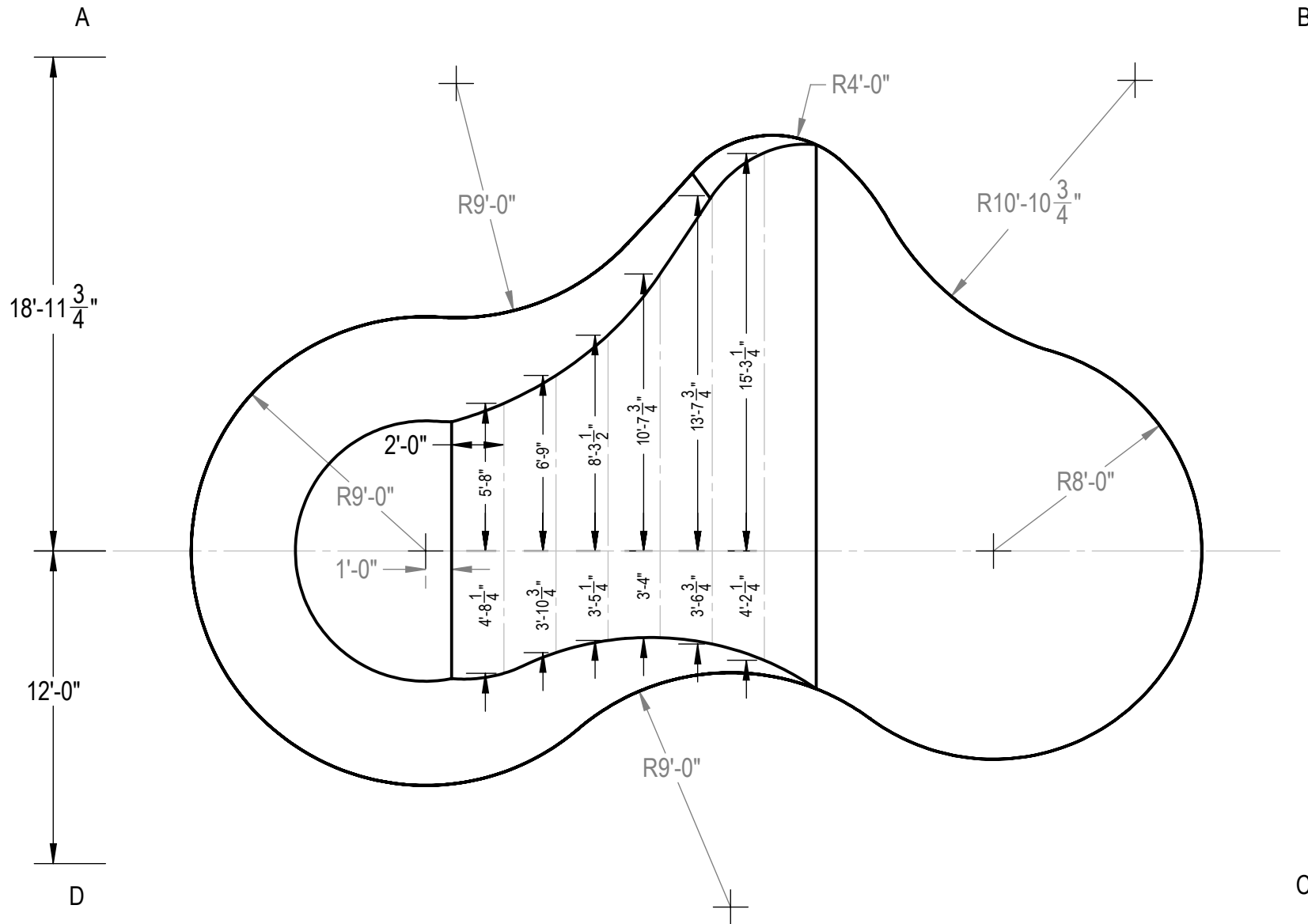
LAYOUT, 24'-11" X 39', LAGOON, LEFT, 8' DEEP, 500 SERIES

PART NUMBER:
50934

SCALE:
1:192

SHEET:
4 OF 6

SIZE:
A



ENGINEERING DRAWING NUMBER:
00005052

WEIGHT: 189865.961 lbs
VOLUME: 5255473.179 Inch³
COLOR: NA
HEAT TREAT: NA
FINISH: NA
TEXTURE: NA

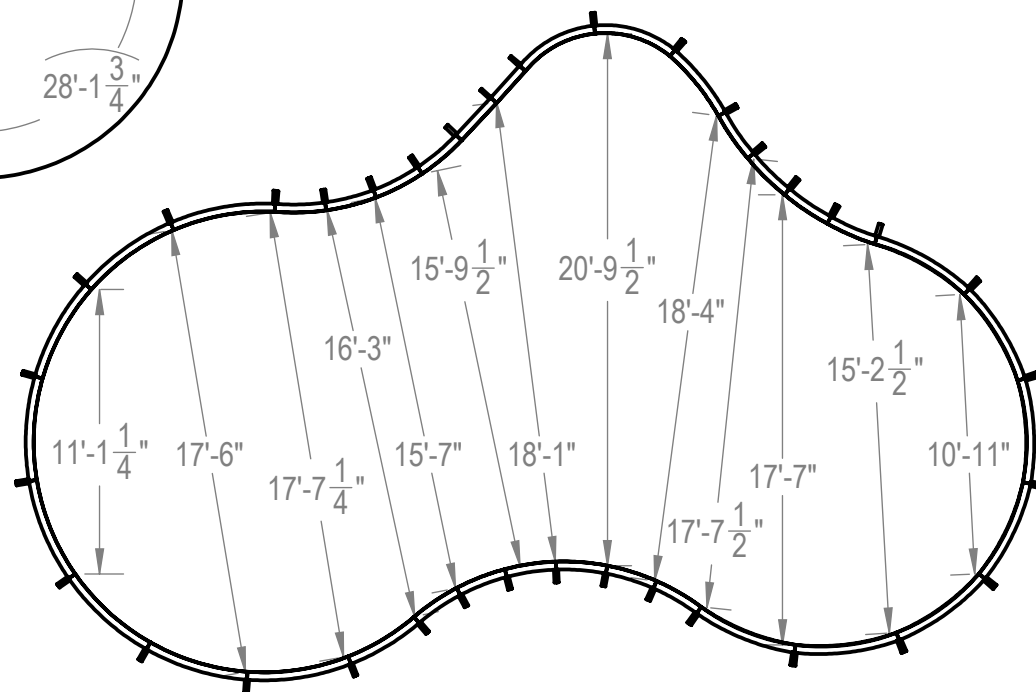
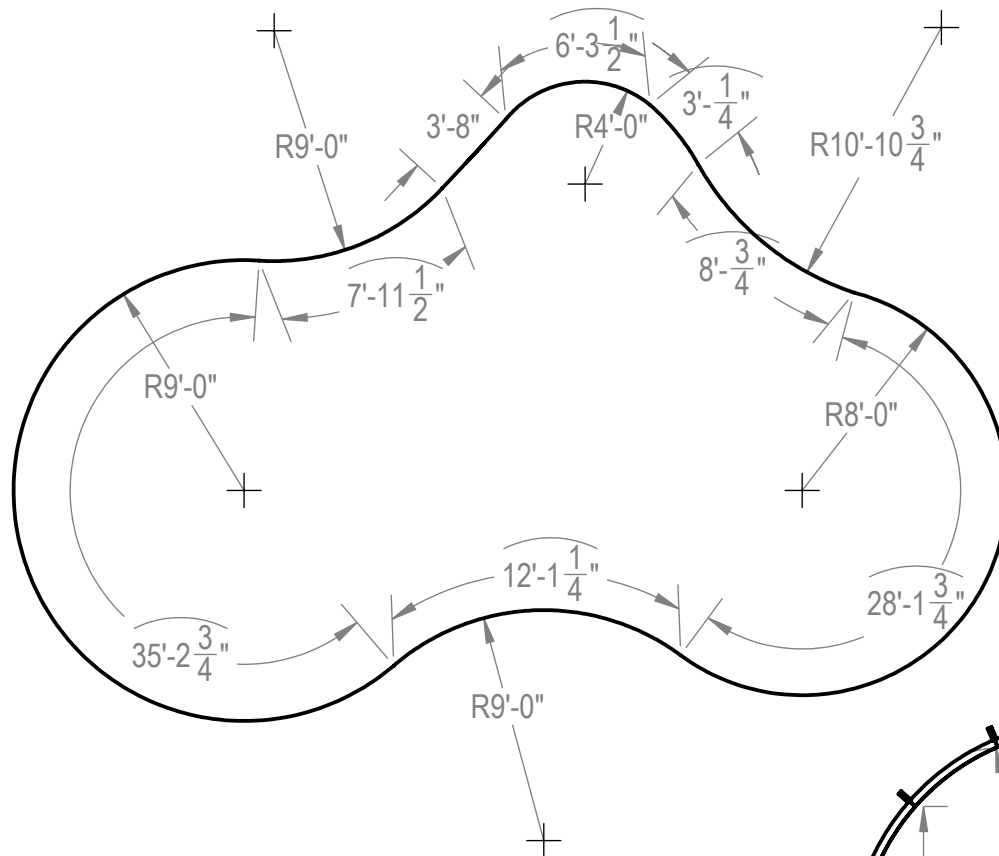
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: X ± 0.1
XX ± 0.01
XXX ± 0.005
XXXX ± 0.0005
ANGULAR: X ± 0.5
THIRD ANGLE PROJECTION



DESIGNED BY: THARKENRIDER
DETAILED BY: JBOSSERDET
LAST REVISED BY: jbossedet
MATERIAL: Water

CREATION DATE: 1/8/2014
DETAILED DATE: 10/5/2012
LAST REVISED DATE: 1/26/2015

HYDRA POOLS
TITLE: LAYOUT, 24'-11" X 39', LAGOON, LEFT, 8' DEEP, 500 SERIES
PART NUMBER: **50934**
SCALE: 1:128
SHEET: 5 OF 6
SIZE: **A**



ENGINEERING DRAWING NUMBER: 00005052	WEIGHT: 192914.1 lbs	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS: X $\pm$ 0.1 XX $\pm$ 0.01 XXX $\pm$ 0.005 XXXX $\pm$ 0.0005 ANGULAR: X $\pm$ 0.5 THIRD ANGLE PROJECTION	DESIGNED BY: THARKENRIDER	CREATION DATE: 1/8/2014	HYDRA POOLS	
	VOLUME: Inch ³		DETAILED BY: JBOSSEDET	DETAILED DATE: 10/5/2012		
	COLOR:		LAST REVISED BY: jbosserdet	LAST REVISED DATE: 1/26/2015	TITLE: LAYOUT, 24'-11" X 39', LAGOON, LEFT, 8' DEEP, 500 SERIES	
	HEAT TREAT:		MATERIAL:			
	FINISH:				PART NUMBER: 50934	
	TEXTURE:					
					SCALE: 1:192	SIZE: A
					SHEET: 6 OF 6	