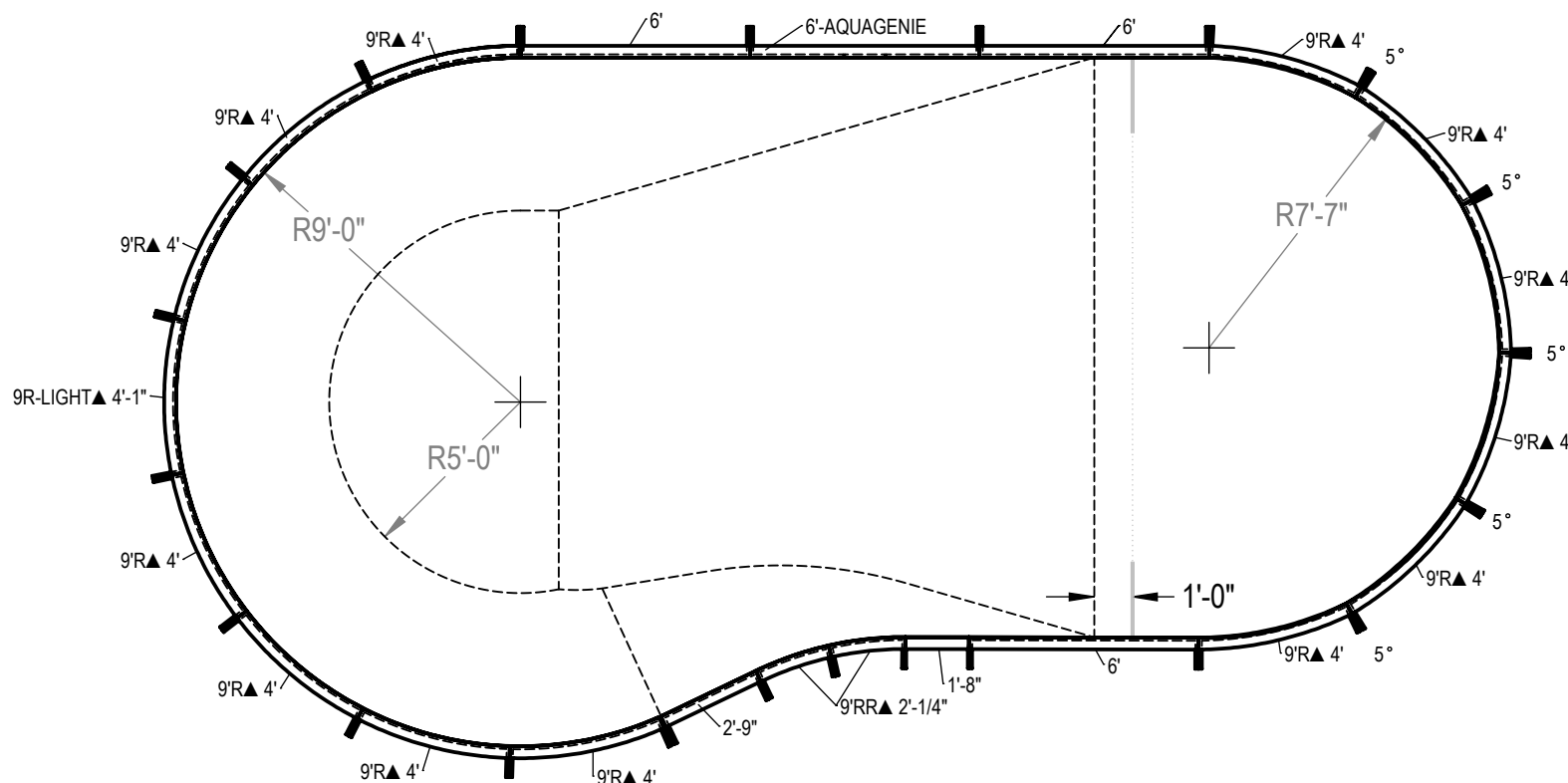


REVISION HISTORY				
REV.	DESCRIPTION	DATE	ECO	BY
A	2014 POLYMER DIG BOOK	12/23/13	NONE	THARKENRIDER
B	UPDATED TAG DATA TO INCLUDE COPING LENGTHS.	1/23/2015	391702	JBOSSEDET



NOTES:

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

EXCAVATION NOTES:

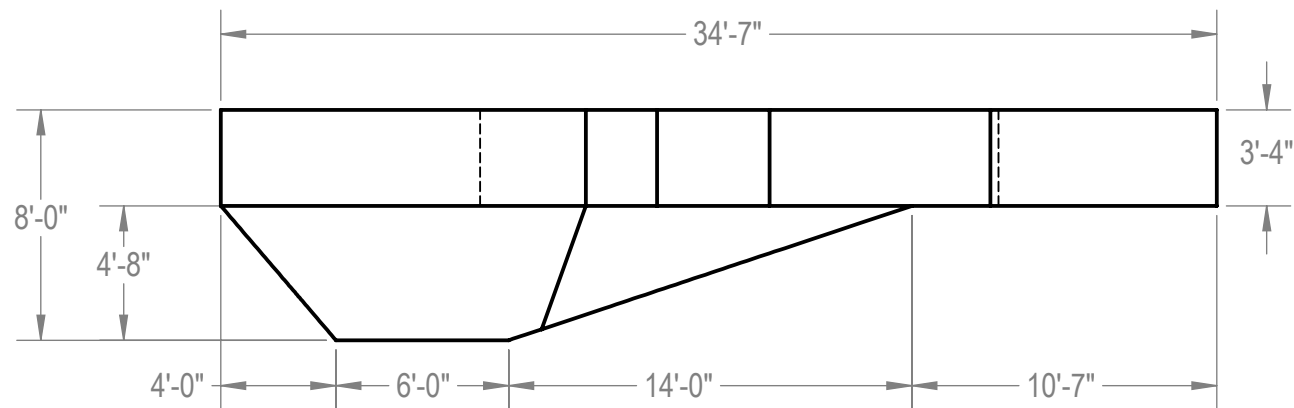
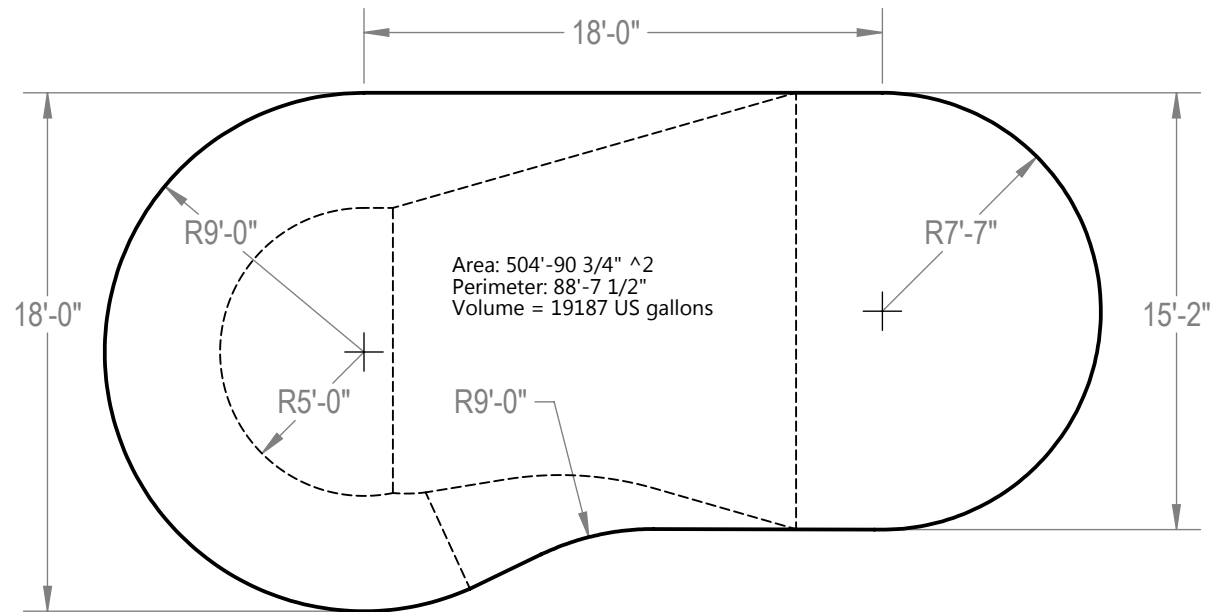
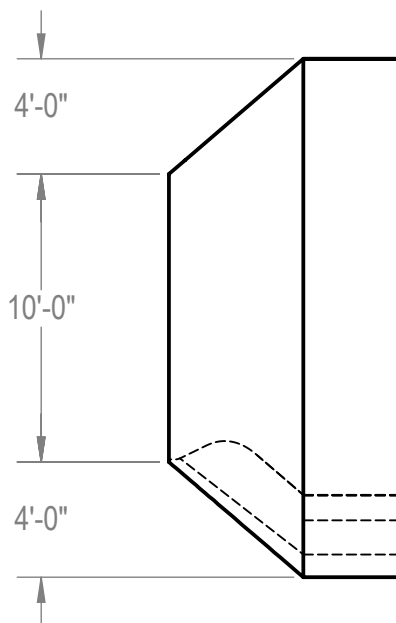
4. ROUGH EXCAVATION SHOULD BE 2" DEEPER IN EACH INSTANCE.
5. SOIL TO HAVE MINIMUM BEARING CAPACITY OF 1500 PSF.
6. LOCATE TOP OF POOL AT LEAST 6" ABOVE THE SURROUNDING LAND ELEVATION.
7. SEE "OVER DIG DETAIL" FOR EXCAVATION AROUND POOL.
8. FILL VOIDS UNDER BASE OF PANELS AND TAMP WELL.
9. BACK FILL WITH 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.

ITEM	FILE NAME	DESCRIPTION	CUSTOMER DRAWING #	VENDOR PART #	QTY.	VENDOR NAME	MATERIAL
1	BRACE	BRACE, 5 TAB, TRANQUILITY - 500 SERIES	HP599	HP599	22	HYDRA POOLS	PS
2	INSERT, 5° WEDGE	INSERT, 5° WEDGE	HP226	HP226	5	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'-9" IN LONG	PANEL, 2'-9" LONG - 500 SERIES	HP517	HP517	1	HYDRA POOLS	PS
5	PANEL, 6' LONG	PANEL, 6' LONG - 500 SERIES	HP506	HP506	3	HYDRA POOLS	PS
6	PANEL, 6' LONG WITH AQUA GENIE	PANEL, 6' LONG WITH AQUA GENIE - 500 SERIES	HP506A	HP506A	1	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, 4' LONG	PANEL, 9' RADIUS, 4' LONG - 500 SERIES	HP559	HP559	14	HYDRA POOLS	PS
9	PANEL, 9' REVERSE RADIUS	PANEL, 9' REVERSE RADIUS - 500 SERIES	HP519N	HP519N	2	HYDRA POOLS	PS

ENGINEERING DRAWING NUMBER: 00004955	WEIGHT: lbs	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: RCOLBOCH	CREATION DATE: 7/16/2013	HYDRA POOLS	
	VOLUME: Inch³		DETAILED BY: JBOSSEDET	DETAILED DATE: 10/5/2012		
	COLOR:		LAST REVISED BY: jbosserdet	LAST REVISED DATE: 1/23/2015	TITLE: LAYOUT, 18' X 34'-7", KIDNEY, STRAIGHT WALL, LEFT, 8' DEEP, 500 SERIES	
	HEAT TREAT: NA		MATERIAL:			
	FINISH: NA				PART NUMBER: 50729	SCALE: 1:128 SHEET: 1 OF 6
	TEXTURE: NA					SIZE: 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.
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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:

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ENGINEERING DRAWING NUMBER: 00004955	WEIGHT:	160122.616 lbs
	VOLUME:	4432179.999 Inch ³
	COLOR:	NA
	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:

12/23/2013

DETAILED DATE:

10/5/2012

LAST REVISED DATE:

1/23/2015

HYDRA POOLS

**LAYOUT, 18' X 34'-7", KIDNEY,
STRAIGHT WALL, LEFT, 8' DEEP, 500
SERIES**

PART NUMBER:

50729

SCALE:

1:128

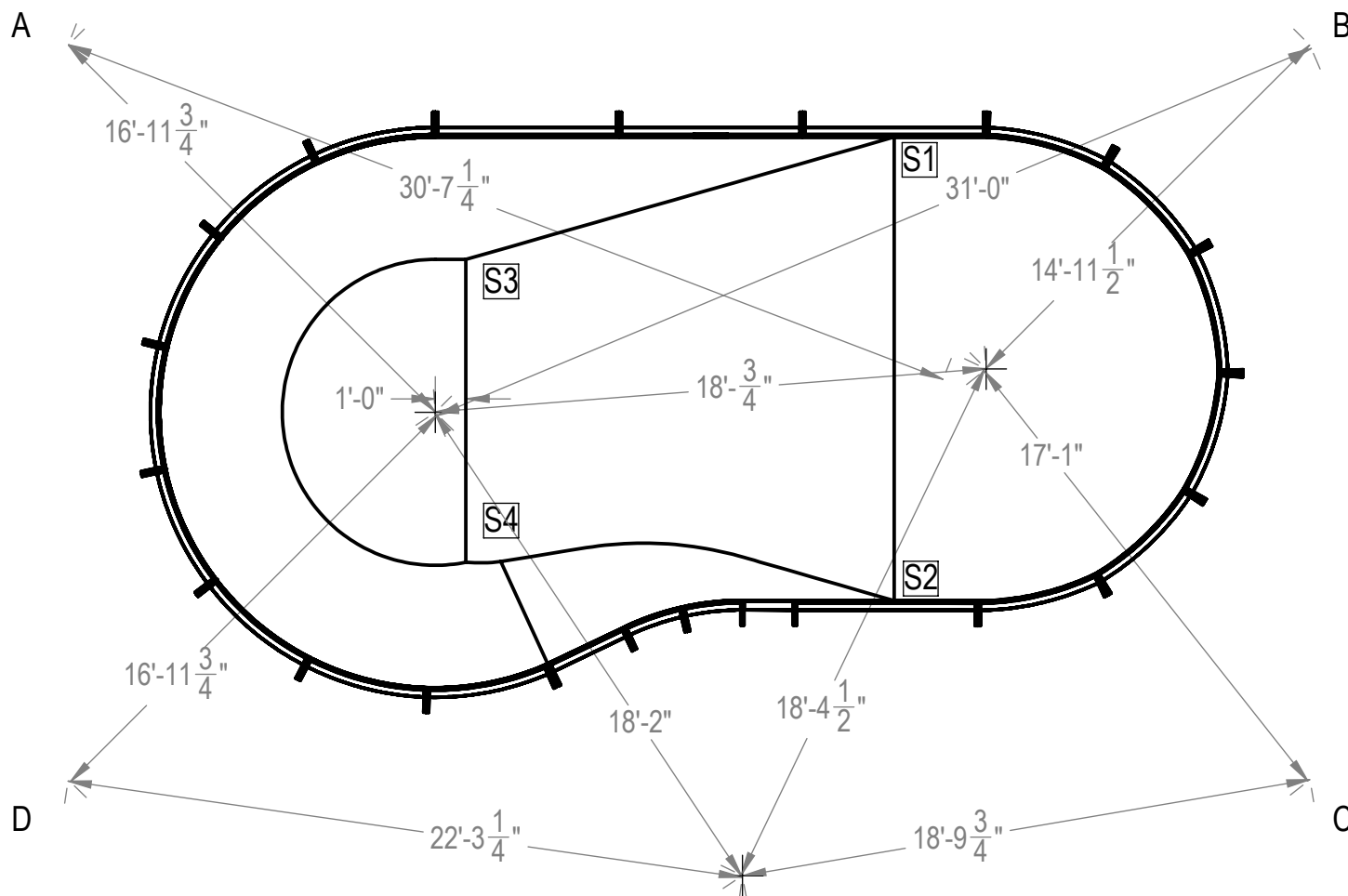
SHEET:

2 OF 6

SIZE:

A

A-S1	27'-2"
B-S1	13'-11"
A-S2	32'-6 1/2"
B-S2	22'-8"
A-S3	14'-9 1/4"
B-S3	28'-5 1/2"
A-S4	21'-3 3/4"
B-S4	32'-4 1/4"



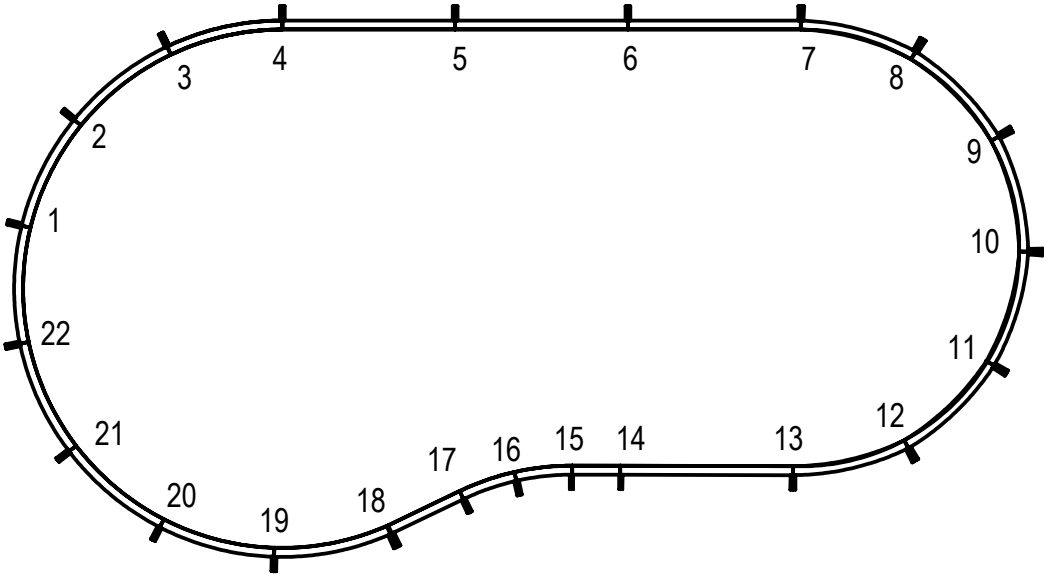
ENGINEERING DRAWING NUMBER: 00004955	WEIGHT:	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS: X ± .1 XX ± .01 XXX ± .001 XXXX ± .0005 ANGULAR: X ± 0.5 THIRD ANGLE PROJECTION	DESIGNED BY:	CREATION DATE:	HYDRA POOLS LAYOUT, 18' X 34'-7", KIDNEY, STRAIGHT WALL, LEFT, 8' DEEP, 500 SERIES
	lbs		RCOLBOCH	7/16/2013	
	VOLUME:		DETAILED BY:	DETAILED DATE:	
	Inch³		JBOSSERDET	10/5/2012	
	COLOR:		LAST REVISED BY:	LAST REVISED DATE:	
	NA		jbossdet	1/23/2015	
HEAT TREAT:	MATERIAL:	TITLE:	PART NUMBER:	SCALE:	SIZE:
NA				1:128	A
FINISH:				3 OF 6	
TEXTURE:					
NA					

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

A-B	40'-7"
B-C	24'-0"
A-C	47'-1 3/4"

A

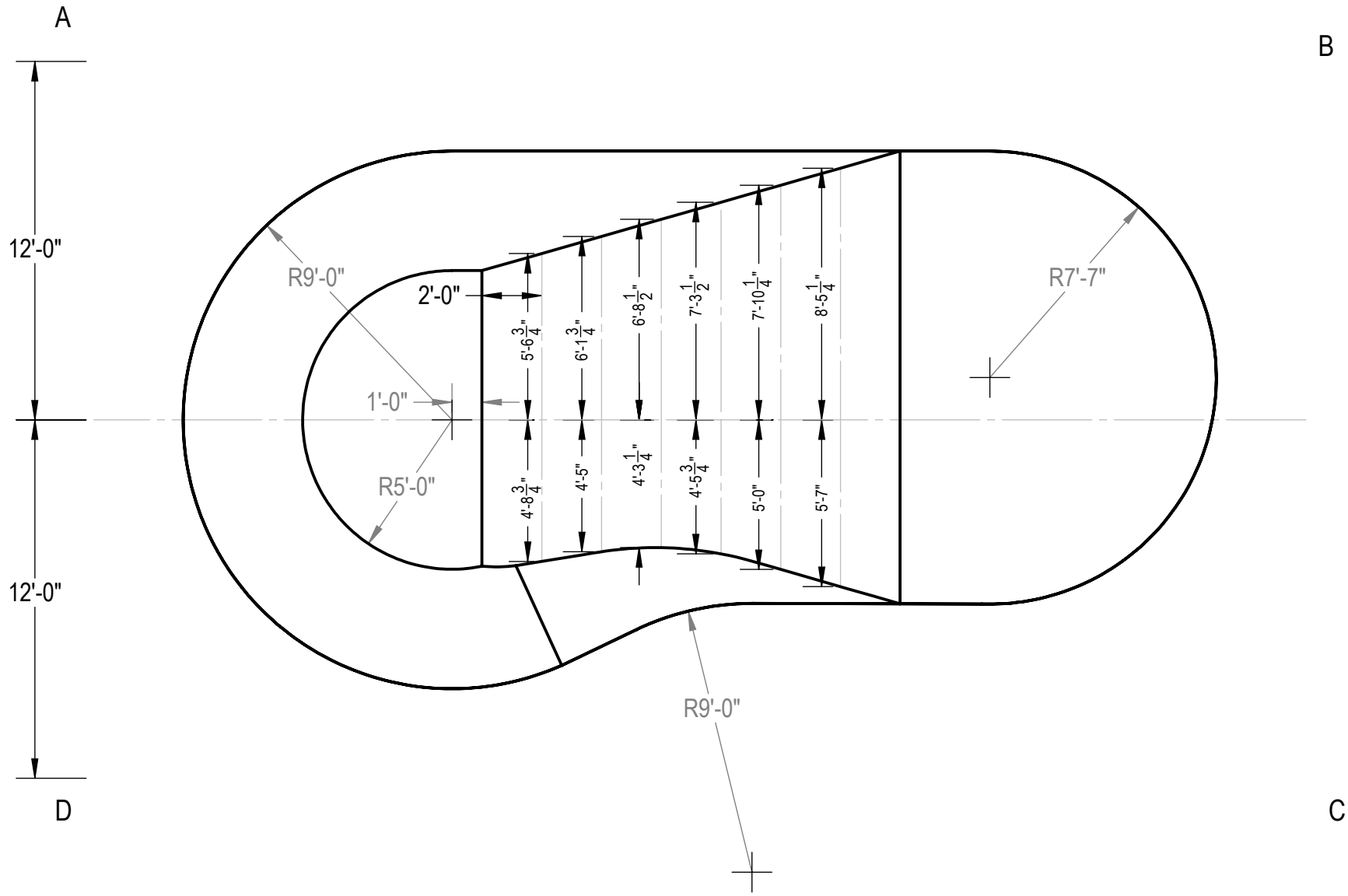
B



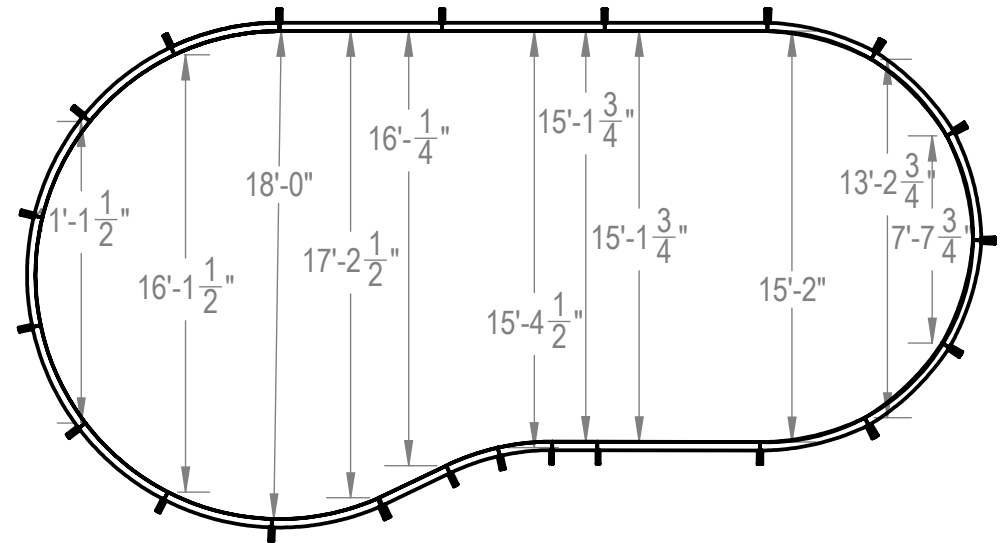
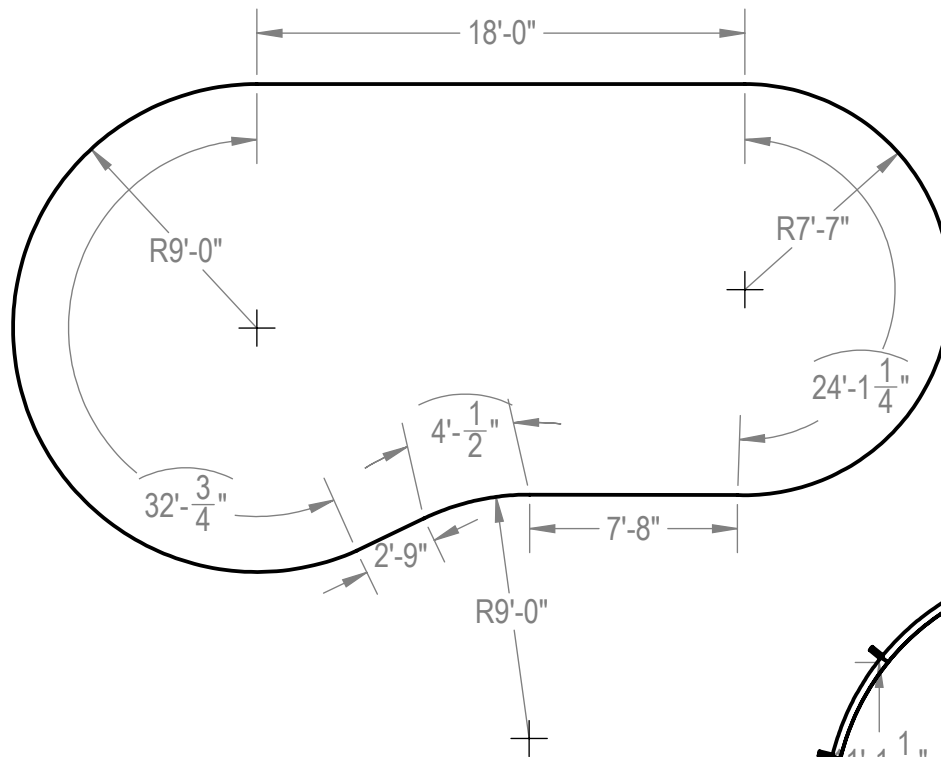
D

C

ENGINEERING DRAWING NUMBER: 00004955	WEIGHT: lbs	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: RCOLBOCH	CREATION DATE: 7/16/2013	HYDRA POOLS LAYOUT, 18' X 34'-7", KIDNEY, STRAIGHT WALL, LEFT, 8' DEEP, 500 SERIES	
	VOLUME: Inch³		DETAILED BY: JBOSSEDET	DETAILED DATE: 10/5/2012		
	COLOR: NA		LAST REVISED BY: jbosserdet	LAST REVISED DATE: 1/23/2015		
	HEAT TREAT: NA		MATERIAL:	TITLE:		
	FINISH: NA					
TEXTURE: NA			PART NUMBER:		SCALE: 1:128	SIZE: A
					50729	SHEET: 4 OF 6



ENGINEERING DRAWING NUMBER: 00004955	WEIGHT: 160122.616 lbs	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	CREATION DATE: 12/23/2013	HYDRA POOLS LAYOUT, 18' X 34'-7", KIDNEY, STRAIGHT WALL, LEFT, 8' DEEP, 500 SERIES
	VOLUME: 4432179.999 Inch ³		DETAILED BY: JBOSSEDET	DETAILED DATE: 10/5/2012	
	COLOR:		LAST REVISED BY: jbossedet	LAST REVISED DATE: 1/23/2015	
	HEAT TREAT:		MATERIAL: Water		
	FINISH:				
	TEXTURE:				PART NUMBER: 50729
					SCALE: 1:128 SHEET: 5 OF 6
					SIZE: A



ENGINEERING DRAWING NUMBER: 00004955	WEIGHT: lbs	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: RCOLBOCH	CREATION DATE: 7/16/2013	HYDRA POOLS	
	VOLUME: Inch ³		DETAILED BY: JBOSSEDET	DETAILED DATE: 10/5/2012		
	COLOR: NA		LAST REVISED BY: jbosserdet	LAST REVISED DATE: 1/23/2015	TITLE: LAYOUT, 18' X 34'-7", KIDNEY, STRAIGHT WALL, LEFT, 8' DEEP, 500 SERIES	
	HEAT TREAT: NA		MATERIAL:			
	FINISH: NA				PART NUMBER: 50729	
	TEXTURE: NA					
					SCALE: 1:128 SHEET: 6 OF 6	SIZE: A