



Imperial
POOLS INC.
REDEFINING ONE SOURCE

UNIVERSAL POLYMER SPEC BOOK

42" Panel

- Assembly Drawings and Guidelines
(Stairs and Cuddle Coves – Nexus Polymer)
- Coping Layouts (CP2 and Progressive)
- Deck Square Footage Chart
- Dig Specifications
- Panel Layouts

*Pool components manufactured by Imperial Pools, Inc.
are intended for private residential use only.*

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CAUTION

CARE SHOULD BE TAKEN WHEN INSTALLING A POOL. SERIOUS INJURY CAN OCCUR IF PROPER PRECAUTIONS ARE NOT TAKEN DURING INSTALLATION.

A safety package should be provided with the pool. Its contents should be reviewed with the pool owner. The package should include a pool safety sign, "NO DIVING" decals and placement instructions, the Association of Pool and Spa Professionals Minimum Standards for Residential Swimming Pools, and safety booklets such as: the Sensible Way to Enjoy Your Inground Swimming Pool, Greg Louganis on Diving, and Children Aren't Waterproof. You may obtain a safety package by contacting:

Customer Service
33 Wade Road
Latham, NY 12110
(518) 786-1200

The installer should place all warnings according to the manufacturer's instructions prior to use of this pool.

NOTICE: It is not recommended to use diving and/or sliding equipment on residential pools. Such equipment, its installation, and use is the responsibility of the pool owner.

These pools are designed for private, residential use only. If this is not a private, residential pool, you should contact your local building department and the Association of Pool and Spa Professionals for standards relevant to its use, since they may be quite different.

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For Pool Regulations and Standards refer to your Installation Manual - APSP Standards for Residential Swimming Pools.

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Before using your pool, the dealer and/or installer should provide you with a safety package which should include a pool safety sign, "NO DIVING" decals and placement instructions, the Association of Pool and Spa Professionals Minimum Standards for Residential Swimming Pools, and the following pool safety booklets:

1. The Sensible Way to Enjoy Your Inground Swimming Pool.
2. Greg Louganis on Diving - Knowing How to Dive Can Be Worth More Than Gold. It Can Be Worth Your Life.
3. Children Aren't Waterproof.

A safety package can be obtained by contacting:

Customer Service
33 Wade Road
Latham, NY 12110
(518) 786-1200



WARNING



DIVING OR JUMPING INTO POOL MAY RESULT IN SERIOUS INJURY

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Imperial does not recommend the use of diving and/or sliding equipment on residential pools. If you choose to dive, a thorough familiarity with the pool bottom, awareness of depths, and understanding of the principles of head-first entry into the water are critical factors in safe diving.

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Do not allow any diving or head-first entry into any pool until you are sure the pool is designed for diving and meets all standards for diving pools, such as the APSP standards. Consult your pool builder or APSP member if you have any doubts. Do not allow diving into a pool, or any part of the pool, that is not deep enough for diving. It is recommended that "No Diving" signs be placed at all areas of the pool where diving is not appropriate.

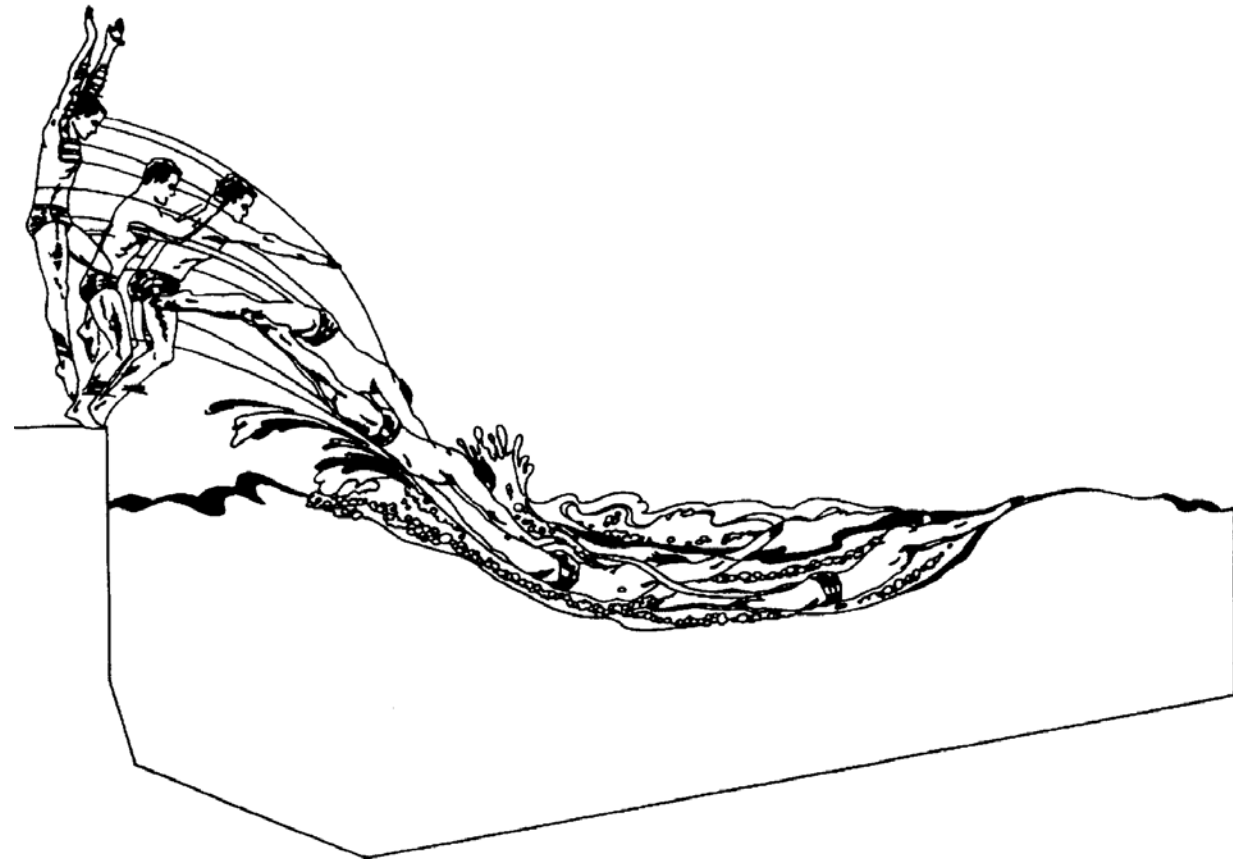
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Think Ahead: Once you've started your dive, you don't have time to think. Know the depth of the water. Plan your dive path. Never dive where you don't know the water depth or where there may be hidden obstructions.

Ý bb, ÄŸ ĩ When you dive down, you must be ready to steer up. As you enter the water, your arms must be extended over your head, hands flat and aiming up. Hold your head up and arch your back. This way, your whole body helps you steer up, away from the bottom. Plan a shallow dive, immediately steering up. Don't try the straight vertical-entry dives you see in competition. These dives take a long time to slow down and must be done only after careful training and in pools designed for competitive diving.

Tb~ãÁ•ãÁ ~•ãçÄŸ ĩ Your extended arms and hands not only help you to steer up to the surface, they can also protect your head. If a diver's head hits bottom, major injury to neck and spine can result. So always remember, head and hands up!

Pc•^, çÄç: , ÁQ, bĩ Sometimes divers lose control through improper use of hands and arms. Practice holding your arms extended, hands flat and tipped up. Like learning to swim or ride a bicycle, you have to learn to make the right moves automatically. Carefully rehearse the proper diving techniques before you dive.



page **Rectangle - 2' Radius**

1	.....	12' x 24'
2	.....	12' x 24' w/ Nexus Stair
3	.....	14' x 28'
4	.....	14' x 28' w/ Nexus Stair
5	.....	16' x 32'
6	.....	16' x 32' w/ Nexus Stair
7	.....	16' x 36'
8	.....	16' x 36' w/ Nexus Stair
9	.....	18' x 36'
10	.....	18' x 36' w/ Nexus Stair
11	.....	20' x 40'
12	.....	20' x 40' w/ Nexus Stair
13	.....	16' x 38' x 24' 90 Degree EL Left
14	.....	16' x 38' x 24' 90 Degree EL Right
15	.....	18' x 38' x 26' 90 Degree EL Left
16	.....	18' x 38' x 26' 90 Degree EL Right
17	.....	20' x 44' x 30' 90 Degree EL Left
18	.....	20' x 44' x 30' 90 Degree EL Left w/ Nexus Stair
19	.....	20' x 44' x 30' 90 Degree EL Right
20	.....	20' x 44' x 30' 90 Degree EL Right w/ Nexus Stair
21	.....	16' x 42' Lazy EL Left
22	.....	16' x 42' Lazy EL Left w/ Nexus Stair
23	.....	16' x 42' Lazy EL Right
24	.....	16' x 42' Lazy EL Right w/ Nexus Stair
25	.....	18' x 43' Lazy EL Left
26	.....	18' x 43' Lazy EL Left w/ Nexus Stair
27	.....	18' x 43' Lazy EL Right
28	.....	18' x 43' Lazy EL Right w/ Nexus Stair
29	.....	20' x 48' Lazy EL Left
30	.....	20' x 48' Lazy EL Left w/ Nexus Stair
31	.....	20' x 48' Lazy EL Right
32	.....	20' x 48' Lazy EL Right w/ Nexus Stair

page **Rectangle - 4' Radius**

33	.....	14' x 28'
34	.....	16' x 32'
35	.....	16' x 36'
36	.....	18' x 36'
37	.....	20' x 40'
38	.....	16' x 42' x 26' 90 Degree EL Left
39	.....	16' x 42' x 26' 90 Degree EL Right
40	.....	18' x 42' x 28' 90 Degree EL Left
41	.....	18' x 42' x 28' 90 Degree EL Right
42	.....	20' x 44' x 30' 90 Degree EL Left
43	.....	20' x 44' x 30' 90 Degree EL Right
44	.....	16' x 42' Lazy EL Left
45	.....	16' x 42' Lazy EL Right
46	.....	18' x 44' Lazy EL Left
47	.....	18' x 44' Lazy EL Right
48	.....	20' x 47' Lazy EL Left
49	.....	20' x 47' Lazy EL Right

page **Oval**

50	.....	16' x 33'
51	.....	18' x 36'
52	.....	20' x 41'

page **Grecian**

53	.....	14'6" x 28'6"
54	.....	16'6" x 32'6"
55	.....	16'6" x 36'6"
56	.....	18'6" x 36'6"
57	.....	19' x 37'
58	.....	19' x 41'
59	.....	16'6" x 42'6" Lazy EL Left
60	.....	16'6" x 42'6" Lazy EL Right
61	.....	19' x 46' Lazy EL Left
62	.....	19' x 46' Lazy EL Right

page **Keyhole - 2' Radius**

63	.....	16' x 32' Standard View
64	.....	16' x 32' Reverse View
65	.....	18' x 36' Standard View
66	.....	18' x 36' Reverse View
67	.....	20' x 40' Standard View
68	.....	20' x 40' Reverse View

page **Keyhole - Full Radius**

69	.....	16' x 32' Standard View
70	.....	16' x 32' Reverse View
71	.....	18' x 36' Standard View
72	.....	18' x 36' Reverse View
73	.....	20' x 40' Standard View
74	.....	20' x 40' Reverse View

page **Roman End**

75	.....	16' x 37'
76	.....	16' x 37' w/ Nexus Stair
77	.....	18' x 38'
78	.....	18' x 38' w/ Nexus Stair
79	.....	20' x 42'
80	.....	20' x 42' w/ Nexus Stair
81	.....	16' x 42' Lazy EL Left
82	.....	16' x 42' Lazy EL Left w/ Nexus Stair
83	.....	16' x 42' Lazy EL Right
84	.....	16' x 42' Lazy EL Right w/ Nexus Stair
85	.....	18' x 45' Lazy EL Left
86	.....	18' x 45' Lazy EL Left w/ Nexus Stair
87	.....	18' x 45' Lazy EL Right
88	.....	18' x 45' Lazy EL Right w/ Nexus Stair
89	.....	20' x 49' Lazy EL Left

page **Roman End** (continued)

90	.....	20' x 49' Lazy EL Left w/ Nexus Stair
91	.....	20' x 49' Lazy EL Right
92	.....	20' x 49' Lazy EL Right w/ Nexus Stair

page **Kidney**

93	.....	14' x 28' Left
94	.....	14' x 28' Left w/ Nexus Stair
95	.....	14' x 28' Right
96	.....	14' x 28' Right w/ Nexus Stair
97	.....	16' x 32' Left
98	.....	16' x 32' Left w/ Nexus Stair
99	.....	16' x 32' Right
100	.....	16' x 32' Right w/ Nexus Stair
101, 102	.....	20' x 38' Left
103, 104	.....	20' x 38' Left w/ Nexus Stair
105, 106	.....	20' x 38' Right
107, 108	.....	20' x 38' Right w/ Nexus Stair

page **Mountain Lake**

109, 110	.....	20' x 33' Standard View
111, 112	.....	20' x 33' Standard View w/ Nexus Stair
113, 114	.....	20' x 33' Reverse View
115, 116	.....	20' x 33' Reverse View w/ Nexus Stair
117, 118	.....	21' x 35' Standard View
119, 120	.....	21' x 35' Standard View w/ Nexus Stair
121, 122	.....	21' x 35' Reverse View
123, 124	.....	21' x 35' Reverse View w/ Nexus Stair
125, 126	.....	26' x 39' Standard View
127, 128	.....	26' x 39' Standard View w/ Nexus Stair
129, 130	.....	26' x 39' Reverse View
131, 132	.....	26' x 39' Reverse View w/ Nexus Stair

page **Lagoon**

133, 134	.....	16' x 34' x 25' Left
135, 136	.....	16' x 34' x 25' Left w/ Nexus Stair
137, 138	.....	16' x 34' x 25' Right
139, 140	.....	16' x 34' x 25' Right w/ Nexus Stair
141, 142	.....	18' x 38' x 29' Left
143, 144	.....	18' x 38' x 29' Left w/ Nexus Stair
145, 146	.....	18' x 38' x 29' Right
147, 148	.....	18' x 38' x 29' Right w/ Nexus Stair
149, 150	.....	20' x 42' x 30' Left
151, 152	.....	20' x 42' x 30' Left w/ Nexus Stair
153, 154	.....	20' x 42' x 30' Right
155, 156	.....	20' x 42' x 30' Right w/ Nexus Stair

page **Figure 8**

157, 158	.....	16' x 37'
159, 160	.....	20' x 40'

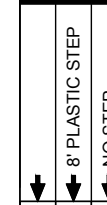
page **Appendix**

A1	.....	Skimmer Panel Cutouts
A2	.....	Skimmer Cutout Procedure
A3	.....	Key-Loc, Vee Filler & Grecian Corner Sleeve
A4	.....	Nexus Connection System
A5	.....	Panel Template & Bolted Step Connection
A6	.....	Versa-Wall Panel & Straps
A7, A8	.....	Progressive Coping Layouts - 2' Radius
A8, A9	.....	Progressive Coping Layouts - 4' Radius
A9	.....	Progressive Coping Layouts - Oval
A9	.....	Progressive Coping Layouts - Figure 8
A9	.....	Progressive Coping Layouts - Grecian
A10	.....	Progressive Coping Layouts - Roman End
A11	.....	Progressive Coping Layouts - Keyhole - 2' Radius
A11	.....	Progressive Coping Layouts - Keyhole - Full Radius
A11	.....	Progressive Coping Layouts - Kidney
A11	.....	Progressive Coping Layouts - Mountain Lake
A12	.....	Progressive Coping Layouts - Lagoon
A12	.....	Progressive Coping - Installation
A13, A14	.....	CP2 Coping Layouts - 2' Radius
A14, A15	.....	CP2 Coping Layouts - 4' Radius
A15	.....	CP2 Coping Layouts - Oval
A15	.....	CP2 Coping Layouts - Figure 8
A15	.....	CP2 Coping Layouts - Grecian
A16	.....	CP2 Coping Layouts - Roman End
A17	.....	CP2 Coping Layouts - Keyhole - 2' Radius
A17	.....	CP2 Coping Layouts - Keyhole - Full Radius
A17	.....	CP2 Coping Layouts - Kidney
A17	.....	CP2 Coping Layouts - Mountain Lake
A18	.....	CP2 Coping Layouts - Lagoon
A18	.....	Panel Dig Cross Section
A19 - A30	.....	Nexus Stair Form Layouts
A31, A32	.....	Nexus Cuddle Cove Layouts
A32	.....	Nexus Form Sections
A33	.....	Nexus Assembly & Installation - Radius Steps
A34	.....	Nexus Assembly & Installation - Straight Steps
A35	.....	Nexus Assembly & Installation - Corner Steps
A36	.....	Nexus Assembly & Installation - Cuddle Coves
A37	.....	Liner Installation & Removal Procedures

2' RADIUS RECTANGLE
12' x 24'

POOL SURFACE AREA	→ 284.6 ft ² 26.4 m ²	LINER SQ. FT.	→ 288.00 ft ²
POOL VOLUME	→ 7800 gal 29500 L	POOL PERIMETER	→ 68'-7" 20.90 m

NO DIVING ALLOWED IN THIS POOL

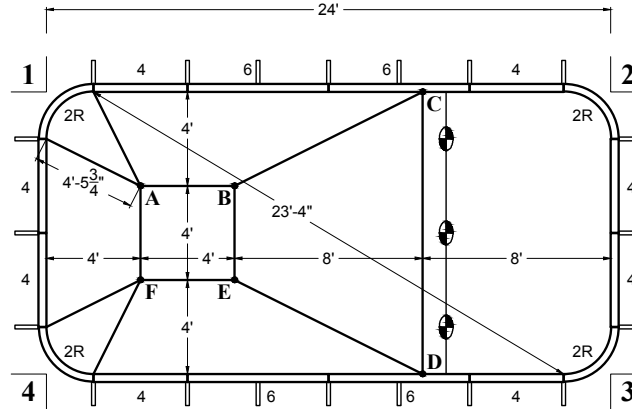
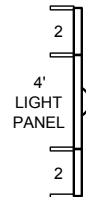


1 - A	5'-8"	4 - F
1 - B	8'-11 1/4"	4 - E
1 - C	16'	4 - D
1 - D	20'	4 - C
1 - E	11'-3 3/4"	4 - B
1 - F	8'-11 1/4"	4 - A

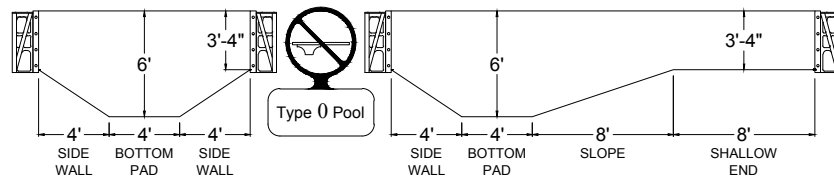
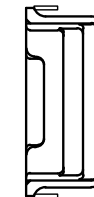
1 - 3	26'-10"
2 - 4	

2 - A	20'-4 3/4"	3 - F
2 - B	16'-6"	3 - E
2 - C	8'	3 - D
2 - D	14'-5"	3 - C
2 - E	17'-10 3/4"	3 - B
2 - F	21'-6 1/2"	3 - A

LIGHT PANEL OPTION



8' STEP & REST OPTION



* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS RECTANGLE
12' x 24'

POOL SURFACE AREA →	308.6 ft ² 28.7 m ²	LINER SQ. FT. →	288.00 ft ²
POOL VOLUME →	8100 gal 30650 L	POOL PERIMETER →	74'-11" 22.83 m

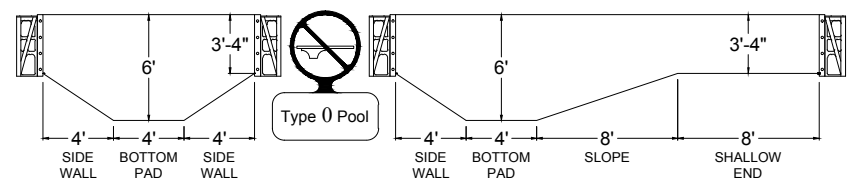
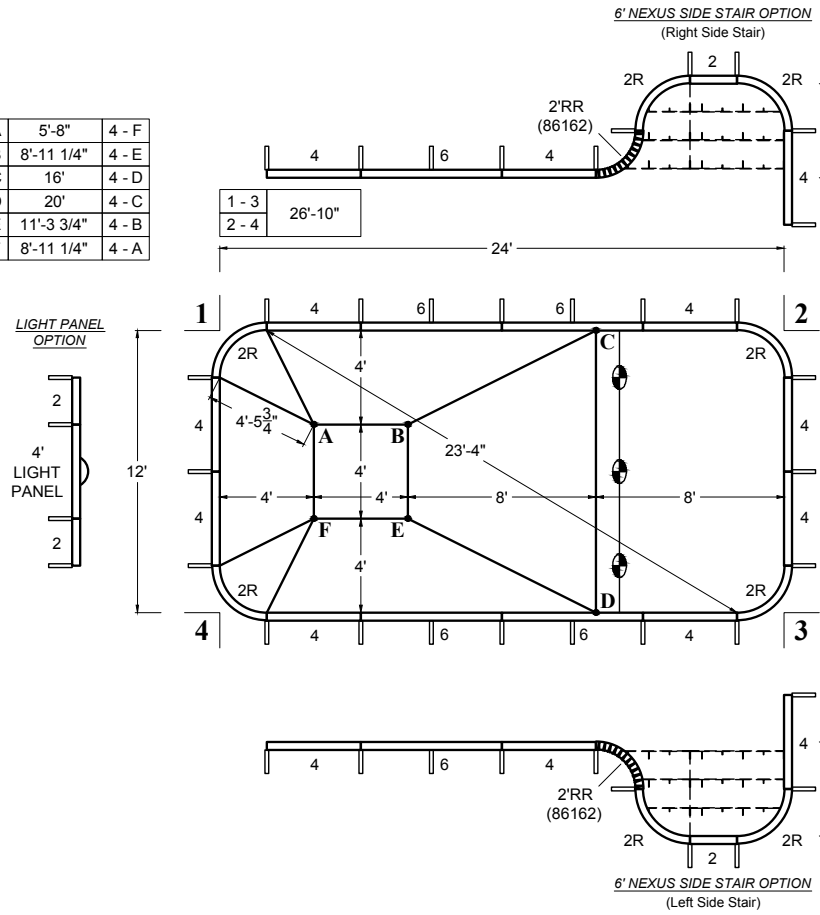
NO DIVING ALLOWED IN THIS POOL

↓	3	CORNER RIGHT	↓	3	CORNER LEFT	ITEM DESCRIPTION		PART #
						1	1	2' PLAIN PANEL	42102
	8			8		4' PLAIN PANEL	42106	
	1			1		4' SKIMMER PANEL	42106S	
	3			3		6' PLAIN PANEL w/ RETURN	42107	
	5			5		2' RADIUS CORNER PANEL	42110	
	1			1		VERSA-FLEX PANEL	42115	
	1			1		2' REVERSE RADIUS STRAP SET	86162S	
	26			26		PUSH NUTS	09115	
	22			22		BRACE SYSTEM COMPLETE	42146	
	1					6' NEXUS STAIR - 3 CORNER RIGHT	NSS009	
				1		6' NEXUS STAIR - 3 CORNER LEFT	NSS011	
						CHANNEL-LOC SONOTUBE	86151	
						4' STANDARD LIGHT PANEL	42106L	

1 - A	5'-8"	4 - F
1 - B	8'-11 1/4"	4 - E
1 - C	16'	4 - D
1 - D	20'	4 - C
1 - E	11'-3 3/4"	4 - B
1 - F	8'-11 1/4"	4 - A

1 - 3	26'-10"
2 - 4	

2 - A	20'-4 3/4"	3 - F
2 - B	16'-6"	3 - E
2 - C	8'	3 - D
2 - D	14'-5"	3 - C
2 - E	17'-10 3/4"	3 - B
2 - F	21'-6 1/2"	3 - A



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

2' RADIUS RECTANGLE
14' x 28'

POOL SURFACE AREA	412.6 ft ² 38.3 m ²	LINER SQ. FT.	392.00 ft ²
POOL VOLUME	12050 gal 45600 L	POOL PERIMETER	86'-11" 26.49 m

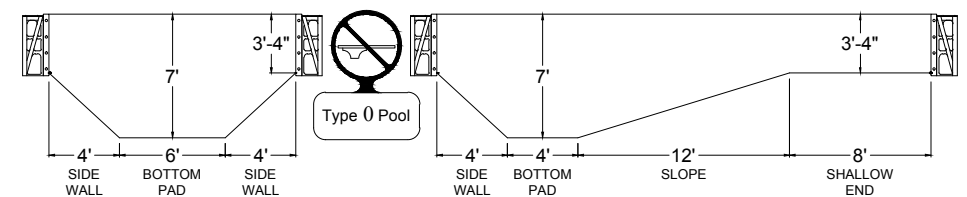
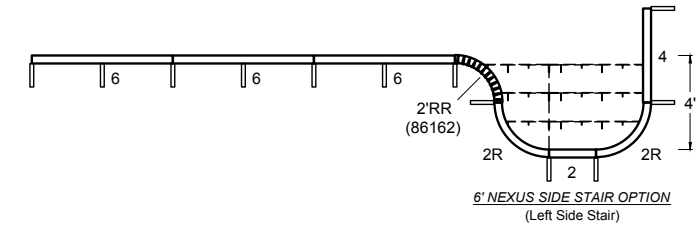
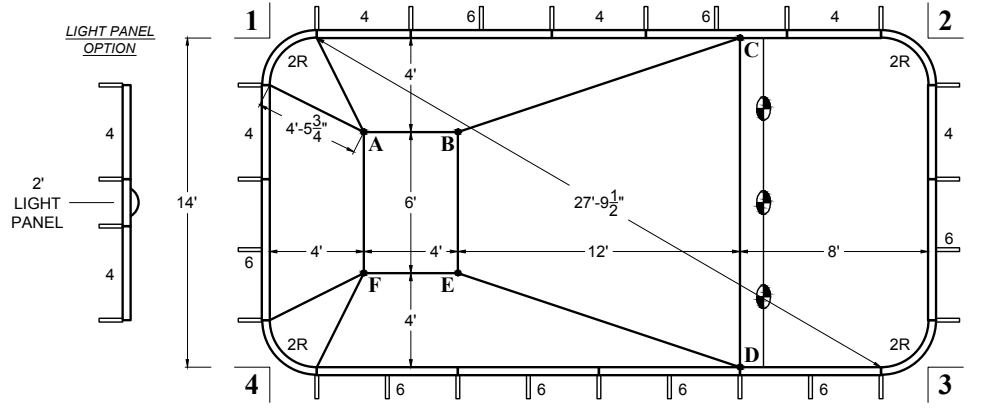
NO DIVING ALLOWED IN THIS POOL

↓	3 CORNER RIGHT	↓	3 CORNER LEFT	↓	ITEM DESCRIPTION	PART #
1	1	1	1	1	2' PLAIN PANEL	42102
5	5	5	5	5	4' PLAIN PANEL	42106
1	1	1	1	1	4' SKIMMER PANEL	42106S
7	7	7	7	7	6' PLAIN PANEL w/ RETURN	42107
5	5	5	5	5	2' RADIUS CORNER PANEL	42110
1	1	1	1	1	VERSA-FLEX PANEL	42115
1	1	1	1	1	2' REVERSE RADIUS STRAP SET	86162S
26	26	26	26	26	PUSH NUTS	09115
27	27	22	22	22	BRACE SYSTEM COMPLETE	42146
1	1				6' NEXUS STAIR - 3 CORNER RIGHT	NSS009
		1			6' NEXUS STAIR - 3 CORNER LEFT	NSS011
					CHANNEL-LOC SONOTUBE	86151
					2' STANDARD LIGHT PANEL	42102L

1 - A	5'-8"	4 - F
1 - B	8'-11 1/4"	4 - E
1 - C	20'	4 - D
1 - D	24'-5"	4 - C
1 - E	12'-9 3/4"	4 - B
1 - F	10'-9 1/4"	4 - A



2 - A	24'-4"	3 - F
2 - B	20'-4 3/4"	3 - E
2 - C	8'	3 - D
2 - D	16'-1 1/2"	3 - C
2 - E	22'-4 1/4"	3 - B
2 - F	26'	3 - A



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

2' RADIUS RECTANGLE
16' x 32'

POOL SURFACE AREA	→ 508.6 ft ² 47.2 m ²	LINER SQ. FT.	→ 512.00 ft ²
POOL VOLUME	→ 17450 gal 66000 L	POOL PERIMETER	→ 92'-7" 28.22 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' PLASTIC STEP
NO STEP

ITEM	DESCRIPTION	PART #
2	2' PLAIN PANEL	42102
1	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
10	6' PLAIN PANEL w/ RETURN	42107
4	2' RADIUS CORNER PANEL	42110
29	BRACE SYSTEM COMPLETE	42146
1	8' STEP & REST	07418SNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

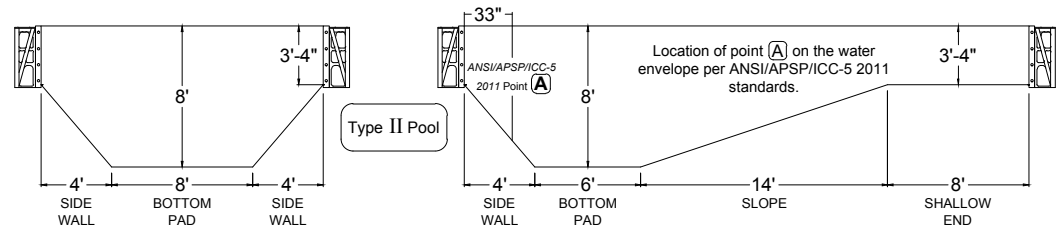
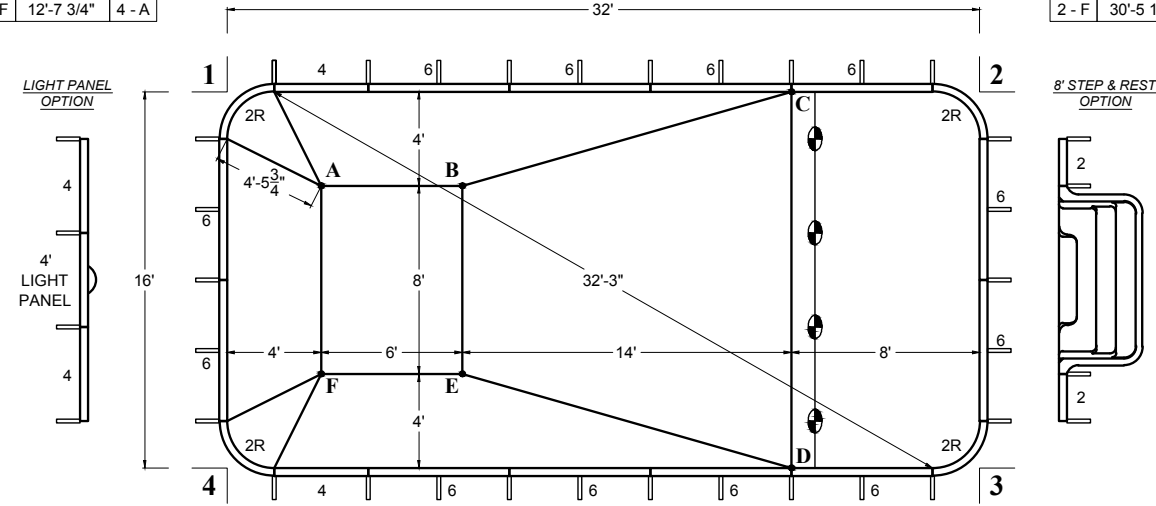
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	15'-7 1/2"	4 - B
1 - F	12'-7 3/4"	4 - A

1 - 3	35'-9 1/4"
2 - 4	

2 - A	28'-3 1/2"	3 - F
2 - B	22'-4 1/4"	3 - E
2 - C	8'	3 - D
2 - D	17'-10 3/4"	3 - C
2 - E	25'-0 3/4"	3 - B
2 - F	30'-5 1/2"	3 - A



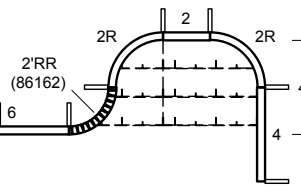
JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS RECTANGLE
16' x 32'

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	15'-7 1/2"	4 - B
1 - F	12'-7 3/4"	4 - A

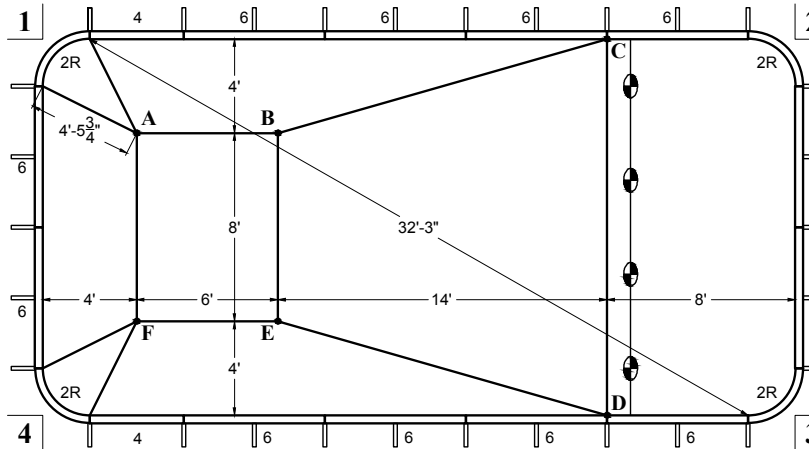
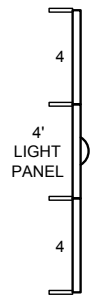
6' NEXUS SIDE STAIR OPTION
(Right Side Stair)



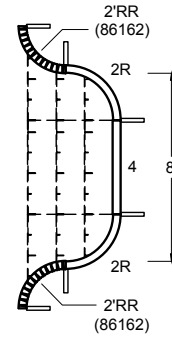
2 - A	28'-3 1/2"	3 - F
2 - B	22'-4 1/4"	3 - E
2 - C	8'	3 - D
2 - D	17'-10 3/4"	3 - C
2 - E	25'-0 3/4"	3 - B
2 - F	30'-5 1/2"	3 - A

1 - 3	35'-9 1/4"
2 - 4	

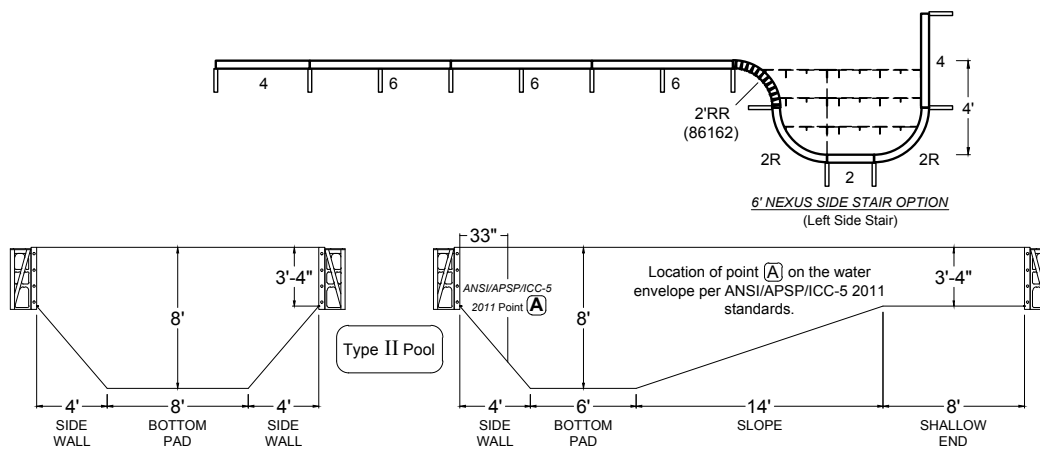
LIGHT PANEL
OPTION



8' NEXUS STAIR
OPTION



6' NEXUS SIDE STAIR OPTION
(Left Side Stair)



NEXUS END STAIR
3 CORNER RIGHT
3 CORNER LEFT

POOL SURFACE AREA	532.6 ft ²	LINER SQ. FT.	512.00 ft ²
POOL VOLUME	17800 gal	POOL PERIMETER	97'-1"
	67350 L		30.15 m

**DIVING PERMITTED ONLY FROM
DESIGNATED DIVING AREA**

ITEM DESCRIPTION		PART #
1	2' PLAIN PANEL	42102
2	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
10	6' PLAIN PANEL w/ RETURN	42107
6	2' RADIUS CORNER PANEL	42110
2	VERSA-FLEX PANEL	42115
2	2' REVERSE RADIUS STRAP SET	86162S
52	PUSH NUTS	09115
31	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
1	6' NEXUS STAIR - 3 CORNER RIGHT	NSS009
1	6' NEXUS STAIR - 3 CORNER LEFT	NSS011
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current [ANSI/APSP/ICC-5 2011](#) suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS RECTANGLE
16' x 36'

POOL SURFACE AREA	→ 572.6 ft ² 53.2 m ²	LINER SQ. FT.	→ 576.00 ft ²
POOL VOLUME	→ 18800 gal 71150 L	POOL PERIMETER	→ 100'-7" 30.66 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

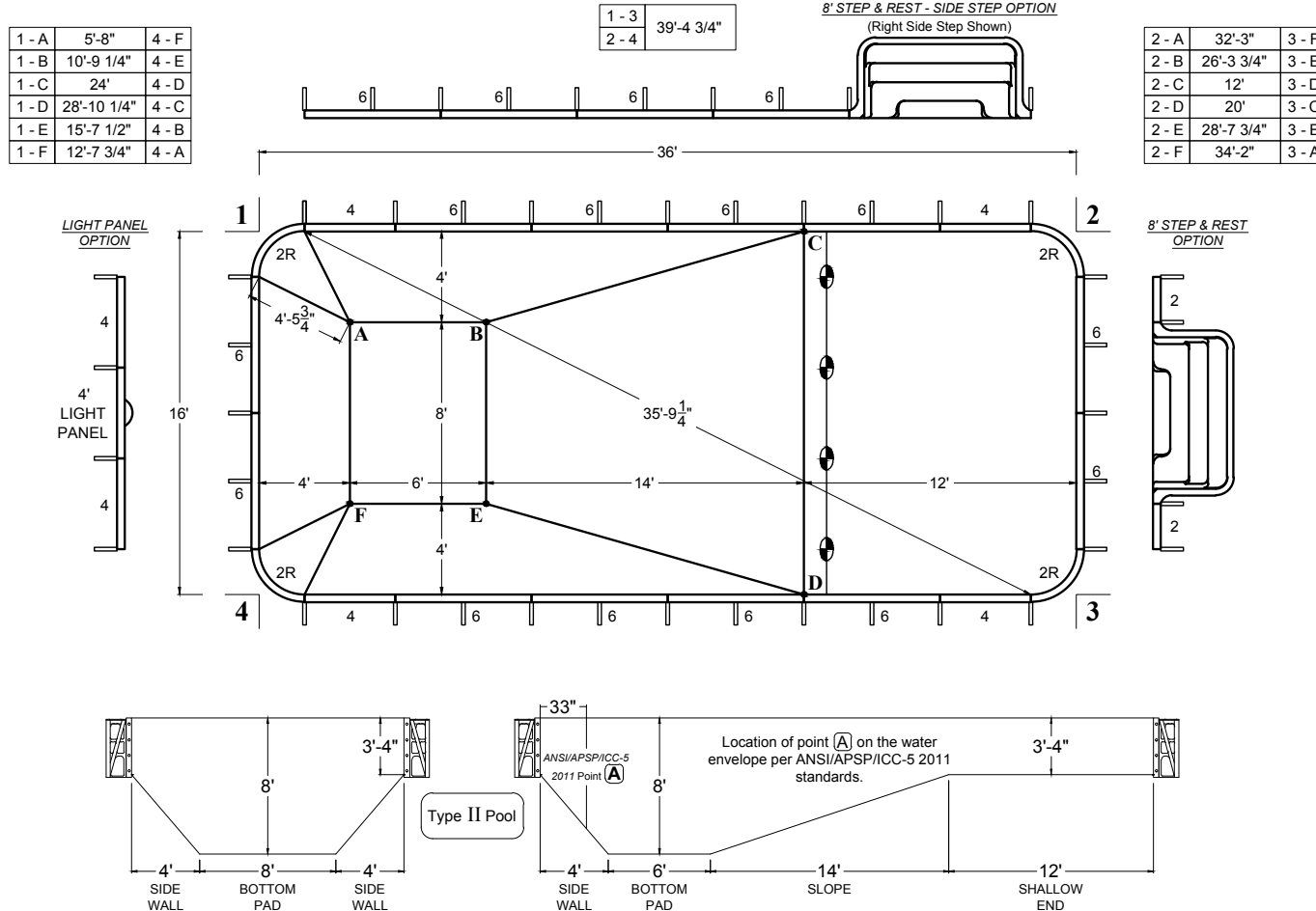
8' SIDE STEP
8' PLASTIC STEP
NO STEP

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

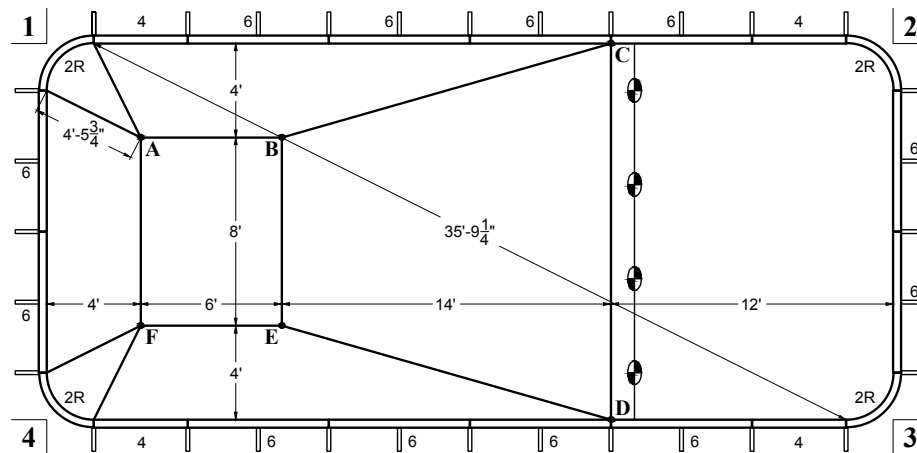
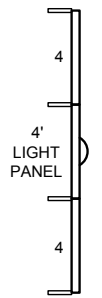
2' RADIUS RECTANGLE
16' x 36'

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	15'-7 1/2"	4 - B
1 - F	12'-7 3/4"	4 - A

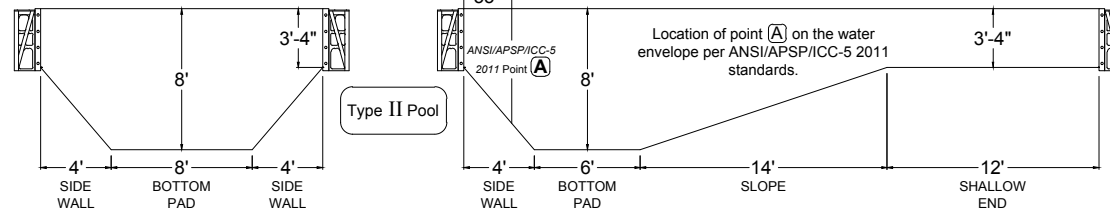
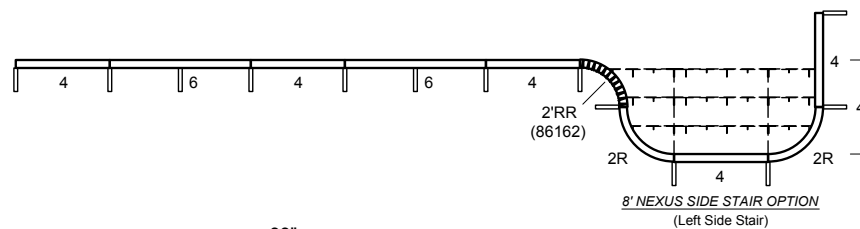
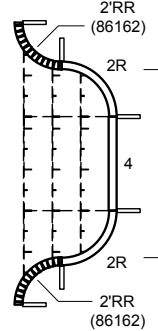
1 - 3	39'-4 3/4"
2 - 4	

2 - A	32'-3"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	20'	3 - C
2 - E	28'-7 3/4"	3 - B
2 - F	34'-2"	3 - A

LIGHT PANEL
OPTION



8' NEXUS STAIR
OPTION



NEXUS END STAIR
3 CORNER RIGHT
3 CORNER LEFT

POOL SURFACE AREA	596.6 ft ²	LINER SQ. FT.	576.00 ft ²
POOL VOLUME	19150 gal	POOL PERIMETER	105'-1"
	72500 L		32.59 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

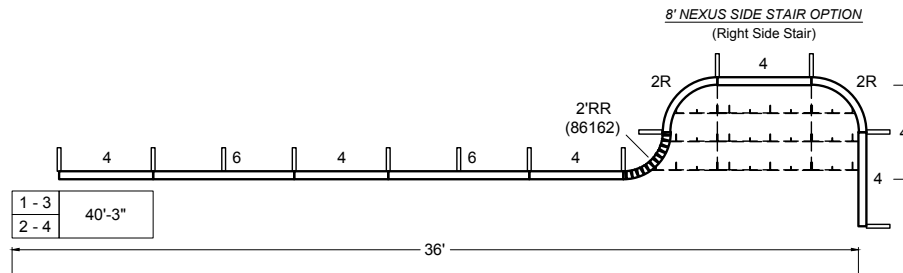
ITEM DESCRIPTION		PART #		
4	6	6	4' PLAIN PANEL	42106
1	1	1	4' SKIMMER PANEL	42106S
10	10	10	6' PLAIN PANEL w/ RETURN	42107
6	5	5	2' RADIUS CORNER PANEL	42110
2	1	1	VERSA-FLEX PANEL	42115
2	1	1	2' REVERSE RADIUS STRAP SET	86162S
52	26	26	PUSH NUTS	09115
33	34	34	BRACE SYSTEM COMPLETE	42146
1			8' NEXUS STAIR	NSS007
	1		8' NEXUS STAIR - 3 CORNER RIGHT	NSS008
	1		8' NEXUS STAIR - 3 CORNER LEFT	NSS010
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS RECTANGLE
18' x 36'

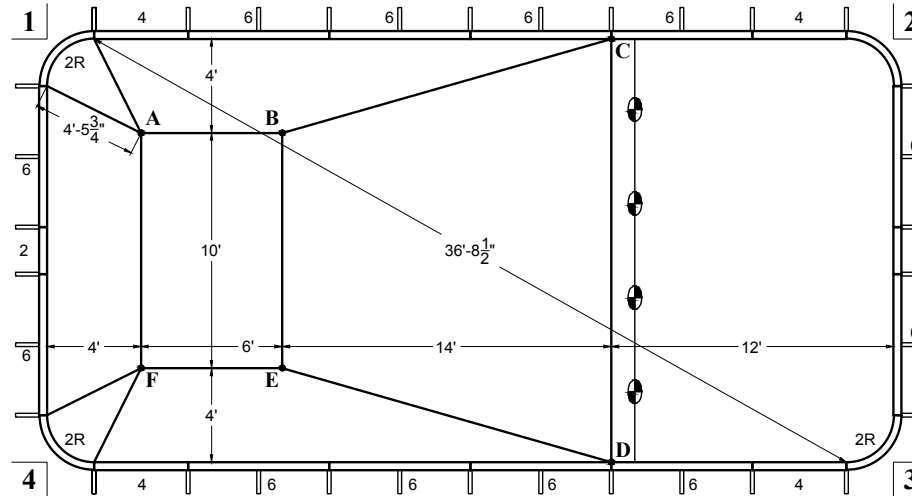
1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	30'	4 - C
1 - E	17'-2 1/2"	4 - B
1 - F	14'-6 3/4"	4 - A



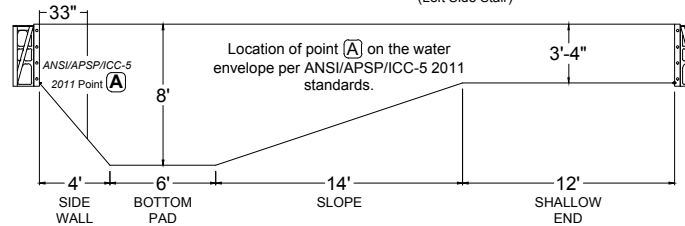
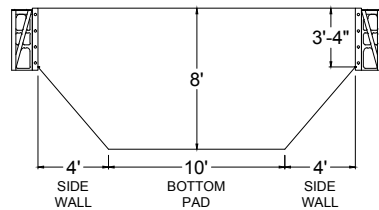
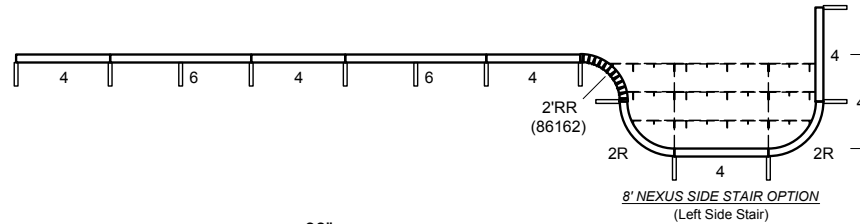
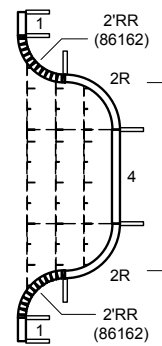
2 - A	32'-3"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	21'-7 1/2"	3 - C
2 - E	29'-6 1/4"	3 - B
2 - F	34'-11 1/4"	3 - A

LIGHT PANEL OPTION

2' LIGHT PANEL



8' NEXUS STAIR OPTION



Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

POOL SURFACE AREA	→ 676.6 ft ²	LINER SQ. FT.	→ 648.00 ft ²
POOL VOLUME	→ 21750 gal	POOL PERIMETER	→ 109'-1"
	82350 L		33.81 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

		ITEM DESCRIPTION	PART #
2		1' PLAIN PANEL	42101
1	2	2' PLAIN PANEL	42102
4	6	4' PLAIN PANEL	42106
1	1	4' SKIMMER PANEL	42106S
10	10	6' PLAIN PANEL w/ RETURN	42107
6	5	2' RADIUS CORNER PANEL	42110
2	1	VERSA-FLEX PANEL	42115
2	1	2' REVERSE RADIUS STRAP SET	86162S
52	26	PUSH NUTS	09115
34	35	BRACE SYSTEM COMPLETE	42146
1		8' NEXUS STAIR	NSS007
	1	8' NEXUS STAIR - 3 CORNER RIGHT	NSS008
	1	8' NEXUS STAIR - 3 CORNER LEFT	NSS010
		CHANNEL-LOC SONOTUBE	86151
		2' STANDARD LIGHT PANEL	42102L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS RECTANGLE
20' x 40'

1 - A	5'-8"	4 - F
1 - B	14'-6 3/4"	4 - E
1 - C	28'	4 - D
1 - D	34'-5"	4 - C
1 - E	21'-3"	4 - B
1 - F	16'-6"	4 - A

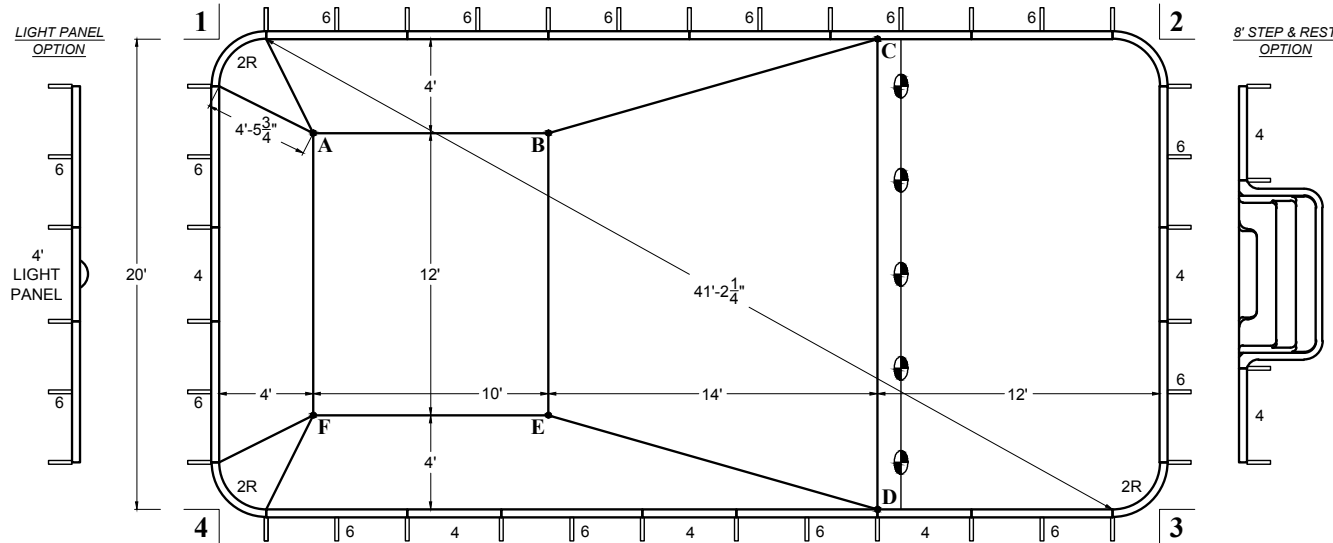
1 - 3	44'-8 3/4"
2 - 4	

2 - A	36'-2 3/4"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	23'-4"	3 - C
2 - E	30'-6 1/4"	3 - B
2 - F	39'-4 3/4"	3 - A

8' STEP & REST - SIDE STEP OPTION
(Right Side Step Shown)

8' STEP & REST
OPTION

LIGHT PANEL
OPTION

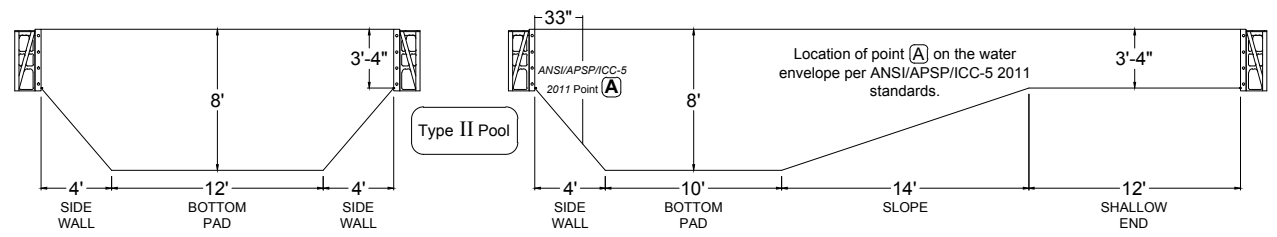


POOL SURFACE AREA →	796.6 ft ²	LINER SQ. FT. →	800.00 ft ²
POOL VOLUME →	27900 gal	POOL PERIMETER →	116'-7"
	105600 L		35.53 m

**DIVING PERMITTED ONLY FROM
DESIGNATED DIVING AREA**

	8' SIDE STEP	8' PLASTIC STEP	NO STEP	ITEM DESCRIPTION	PART #
	4	4	3	4' PLAIN PANEL	42106
	2	2	2	4' SKIMMER PANEL	42106S
	12	12	14	6' PLAIN PANEL w/ RETURN	42107
	4	4	4	2' RADIUS CORNER PANEL	42110
	35	35	37	BRACE SYSTEM COMPLETE	42146
	1	1		8' STEP & REST	07418SNR
	12*	12*		3/8"-16X HEX WASHER HEAD BOLT	148838
	12*	12*		3/8"-16 HEX WASHER HEAD NUT	149664
				CHANNEL-LOC SONOTUBE	86151
				4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS RECTANGLE
20' x 40'

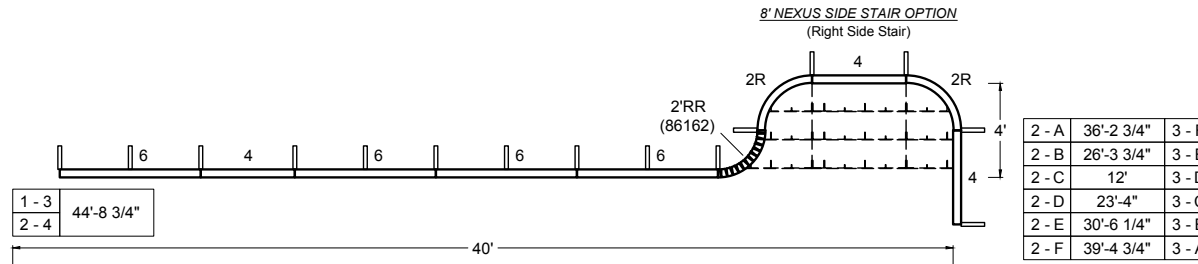
NEXUS END STAIR
3 CORNER RIGHT
3 CORNER LEFT

POOL SURFACE AREA	828.6 ft ²	LINER SQ. FT.	800.00 ft ²
POOL VOLUME	28250 gal	POOL PERIMETER	121'-1"
	107000 L		37.46 m

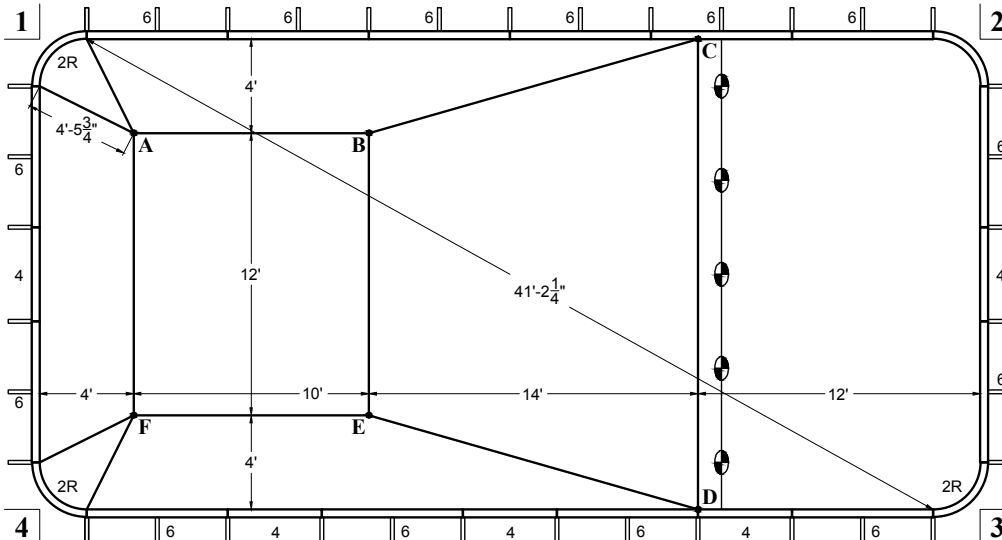
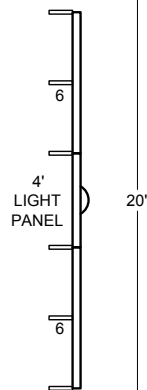
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

	ITEM DESCRIPTION	PART #
2	2' PLAIN PANEL	42102
6 6 6	4' PLAIN PANEL	42106
2 2 2	4' SKIMMER PANEL	42106S
10 12 12	6' PLAIN PANEL w/ RETURN	42107
6 5 5	2' RADIUS CORNER PANEL	42110
2 1 1	VERSA-FLEX PANEL	42115
2 1 1	2' REVERSE RADIUS STRAP SET	86162S
52 26 26	PUSH NUTS	09115
38 38 38	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
1	8' NEXUS STAIR - 3 CORNER RIGHT	NSS008
1	8' NEXUS STAIR - 3 CORNER LEFT	NSS010
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

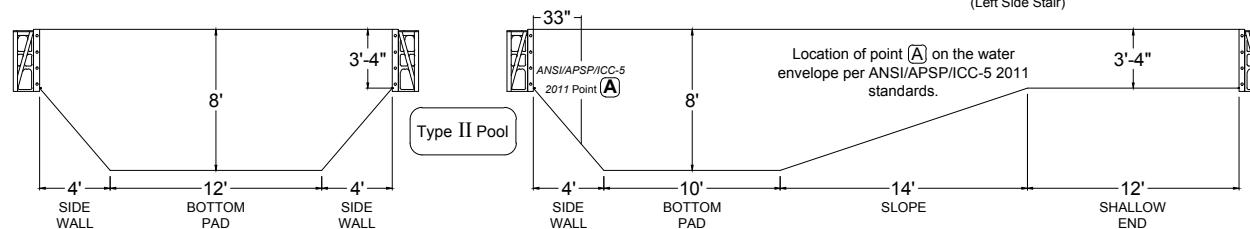
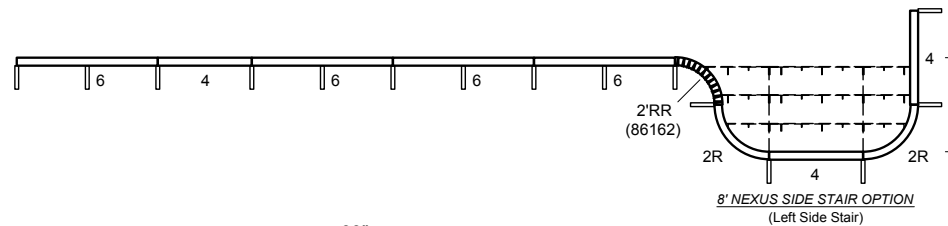
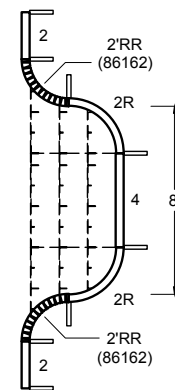
1 - A	5'-8"	4 - F
1 - B	14'-6 3/4"	4 - E
1 - C	28'	4 - D
1 - D	34'-5"	4 - C
1 - E	21'-3"	4 - B
1 - F	16'-6"	4 - A



LIGHT PANEL
OPTION



8' NEXUS STAIR
OPTION



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

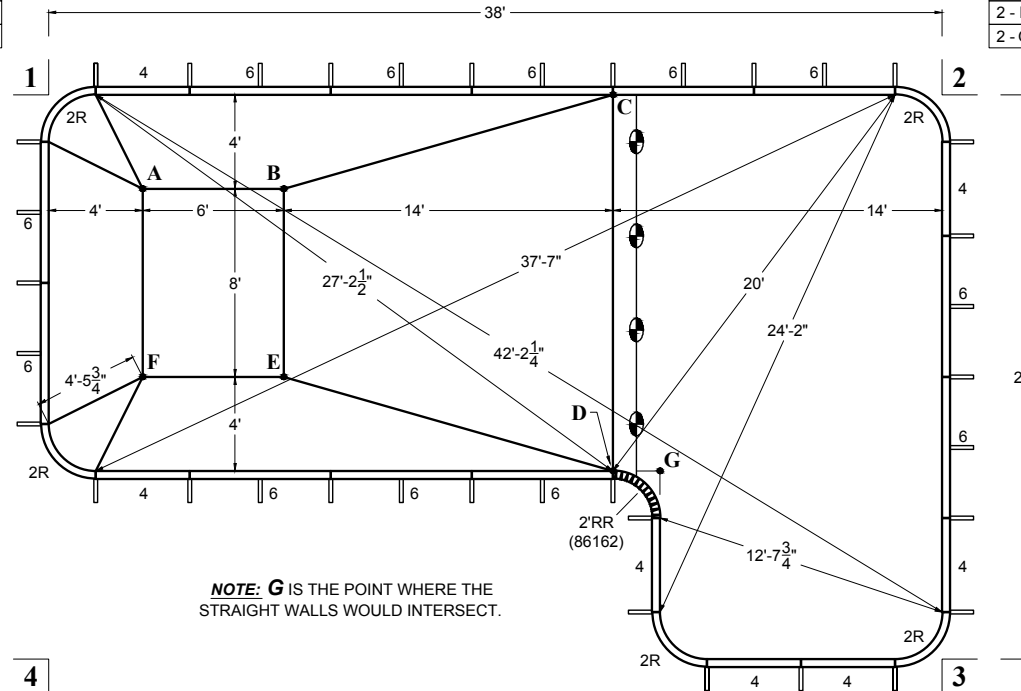
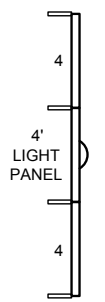
2' RADIUS 90 DEGREE EL LEFT
16' x 38' x 24'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	30'-6 1/4"

1 - 3	44'-11 1/4"
2 - 4	

2 - A	34'-2 3/4"
2 - B	28'-3 1/2"
2 - C	14'
2 - D	21'-3"
2 - E	30'-5 1/2"
2 - F	36'-0 3/4"
2 - G	20'

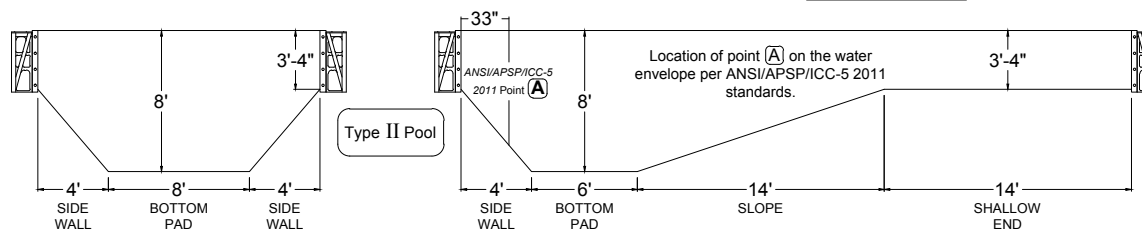
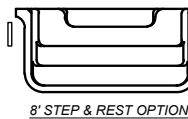
LIGHT PANEL
OPTION



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	20'-4 3/4"
4 - B	22'-4 1/4"
4 - C	33'-11 1/4"
4 - D	25'-3 1/2"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	27'-2 1/2"

3 - A	39'-5 1/4"
3 - B	34'-5"
3 - C	27'-9 1/2"
3 - D	16'-1 1/2"
3 - E	30'-5 1/2"
3 - F	36'-0 3/4"
3 - G	14'-5"



POOL SURFACE AREA	→ 700.6 ft ²	LINER SQ. FT.	→ 704.00 ft ²
POOL VOLUME	→ 21600 gal	POOL PERIMETER	→ 119'
	81750 L		36.27 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM #	DESCRIPTION	PART #	
3	5	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
12	12	6' PLAIN PANEL w/ RETURN	42107
5	5	2' RADIUS CORNER PANEL	42110
1	1	VERSA-FLEX PANEL	42115
1	1	2' REVERSE RADIUS STRAP SET	86162S
26	26	PUSH NUTS	09115
36	37	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

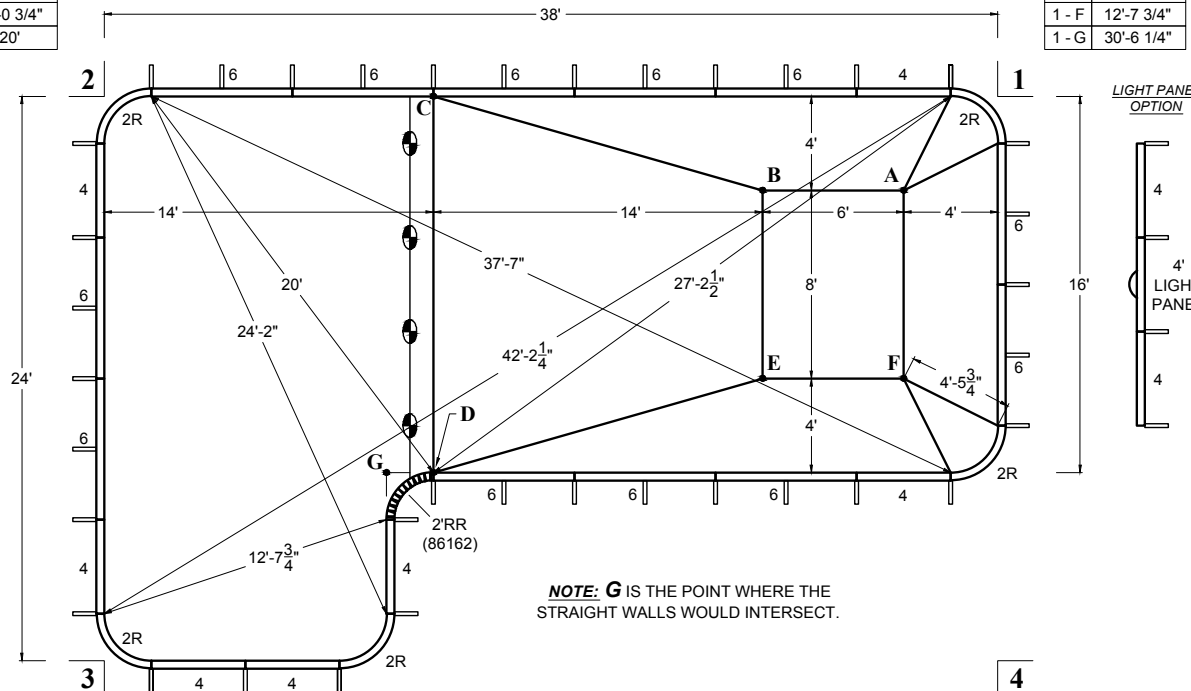
MATRIX
POOL SYSTEM

2' RADIUS 90 DEGREE EL RIGHT
16' x 38' x 24'

2 - A	34'-2 3/4"
2 - B	28'-3 1/2"
2 - C	14'
2 - D	21'-3"
2 - E	30'-5 1/2"
2 - F	36'-0 3/4"
2 - G	20'

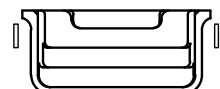
1 - 3	44'-11 1/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	30'-6 1/4"



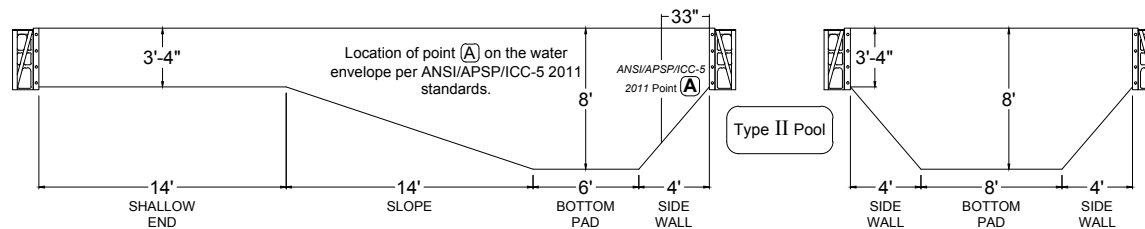
NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	39'-5 1/4"
3 - B	34'-5"
3 - C	27'-9 1/2"
3 - D	16'-1 1/2"
3 - E	30'-5 1/2"
3 - F	36'-0 3/4"
3 - G	14'-5"



8' STEP & REST OPTION

4 - A	20'-4 3/4"
4 - B	22'-4 1/4"
4 - C	33'-11 1/4"
4 - D	25'-3 1/2"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	27'-2 1/2"



POOL SURFACE AREA	700.6 ft ² 65.1 m ²	LINER SQ. FT.	704.00 ft ²
POOL VOLUME	21600 gal 81750 L	POOL PERIMETER	119' 36.27 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' PLASTIC STEP
NO STEP

ITEM DESCRIPTION	PART #
3 5 4' PLAIN PANEL	42106
2 2 4' SKIMMER PANEL	42106S
12 12 6' PLAIN PANEL w/ RETURN	42107
5 5 2' RADIUS CORNER PANEL	42110
1 1 VERSA-FLEX PANEL	42115
1 1 2' REVERSE RADIUS STRAP SET	86162S
26 26 PUSH NUTS	09115
36 37 BRACE SYSTEM COMPLETE	42146
1 1 8' STEP & REST	07418SNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS 90 DEGREE EL LEFT
18' x 38' x 26'

POOL SURFACE AREA →	776.6 ft ²	LINER SQ. FT. →	780.00 ft ²
	72.1 m ²		
POOL VOLUME →	24200 gal	POOL PERIMETER →	123'
	91600 L		37.49 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

		ITEM DESCRIPTION	PART #
↓ 8' PLASTIC STEP	4	4' PLAIN PANEL	42106
	2	4' SKIMMER PANEL	42106S
↓ NO STEP	12	6' PLAIN PANEL w/ RETURN	42107
	5	2' RADIUS CORNER PANEL	42110
	1	VERSA-FLEX PANEL	42115
	1	2' REVERSE RADIUS STRAP SET	86162S
	26	PUSH NUTS	09115
	37	BRACE SYSTEM COMPLETE	42146
	1	8' STEP & REST	07418SNR
	12*	3/8"-16X HEX WASHER HEAD BOLT	148838
	12*	3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

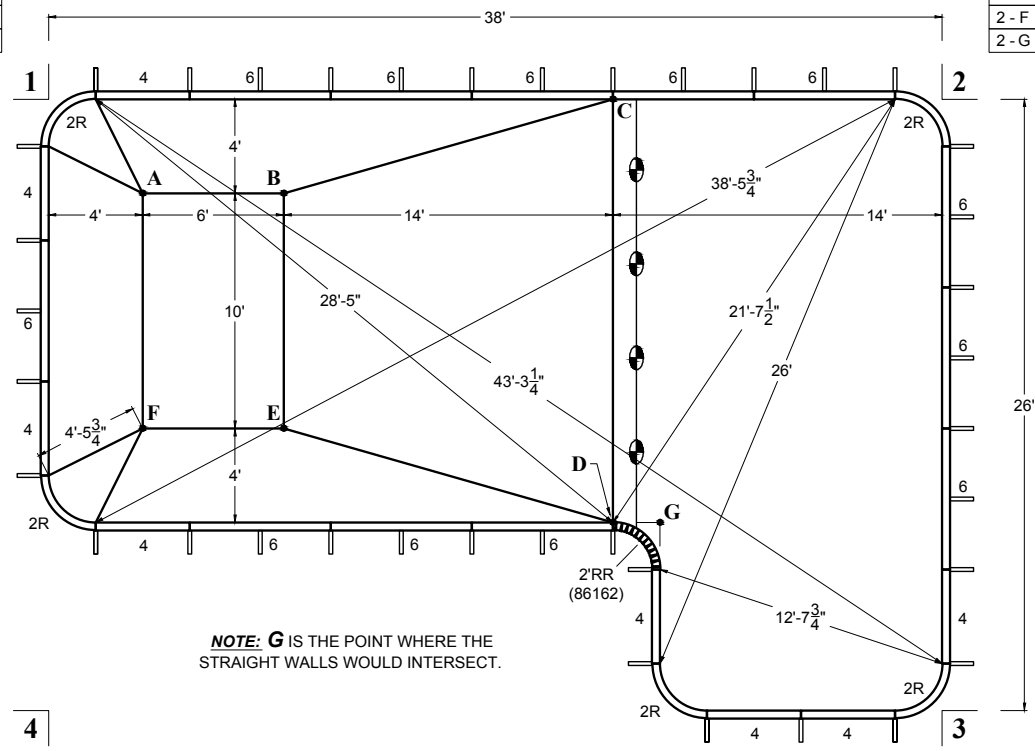
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-7 1/2"

1 - 3	46'-0 1/2"
2 - 4	

2 - A	34'-2 3/4"
2 - B	28'-3 1/2"
2 - C	14'
2 - D	22'-9 3/4"
2 - E	31'-3 3/4"
2 - F	36'-9 1/4"
2 - G	21'-7 1/2"

LIGHT PANEL OPTION

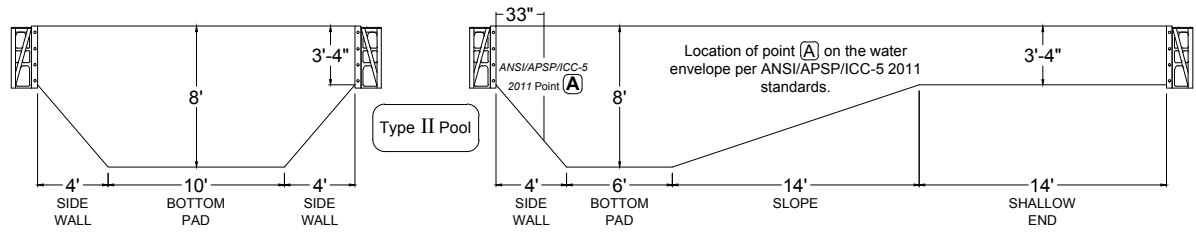
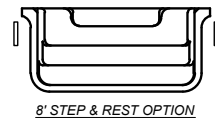
2' LIGHT PANEL



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	22'-4 1/4"
4 - B	24'-2"
4 - C	35'-4 1/2"
4 - D	25'-3 1/2"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	27'-2 1/2"

3 - A	40'-6"
3 - B	35'-7 1/4"
3 - C	29'-6 1/4"
3 - D	16'-1 1/2"
3 - E	30'-5 1/2"
3 - F	36'-0 3/4"
3 - G	14'-5"



Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

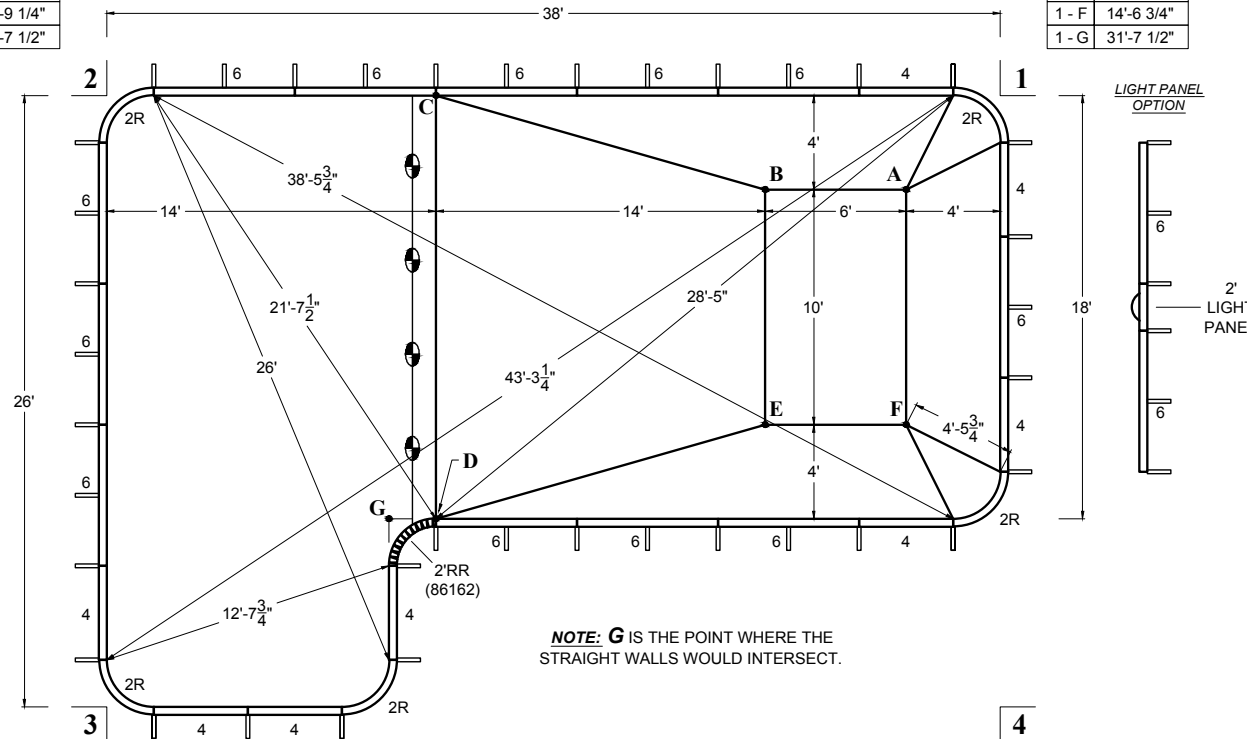
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS 90 DEGREE EL RIGHT
18' x 38' x 26'

2 - A	34'-2 3/4"
2 - B	28'-3 1/2"
2 - C	14'
2 - D	22'-9 3/4"
2 - E	31'-3 3/4"
2 - F	36'-9 1/4"
2 - G	21'-7 1/2"

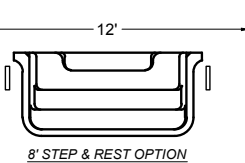
1 - 3	46'-0 1/2"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-7 1/2"

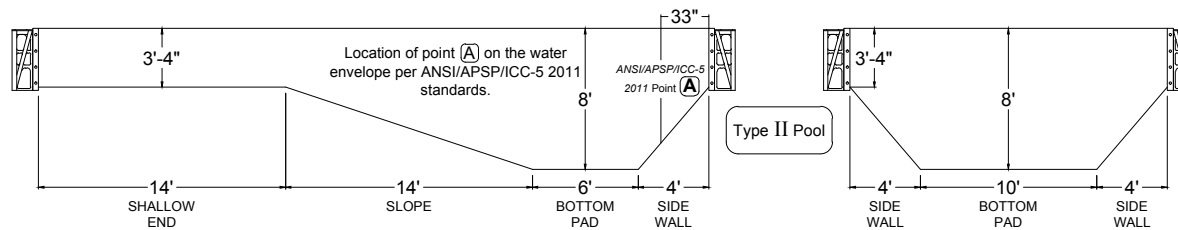


NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	40'-6"
3 - B	35'-7 1/4"
3 - C	29'-6 1/4"
3 - D	16'-1 1/2"
3 - E	30'-5 1/2"
3 - F	36'-0 3/4"
3 - G	14'-5"



4 - A	22'-4 1/4"
4 - B	24'-2"
4 - C	35'-4 1/2"
4 - D	25'-3 1/2"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	27'-2 1/2"



POOL SURFACE AREA	776.6 ft ²	LINER SQ. FT.	780.00 ft ²
POOL VOLUME	24200 gal	POOL PERIMETER	123'
	91600 L		37.49 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' PLASTIC STEP	NO STEP	ITEM DESCRIPTION	PART #
4	6	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
12	12	6' PLAIN PANEL w/ RETURN	42107
5	5	2' RADIUS CORNER PANEL	42110
1	1	VERSA-FLEX PANEL	42115
1	1	2' REVERSE RADIUS STRAP SET	86162S
26	26	PUSH NUTS	09115
37	38	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

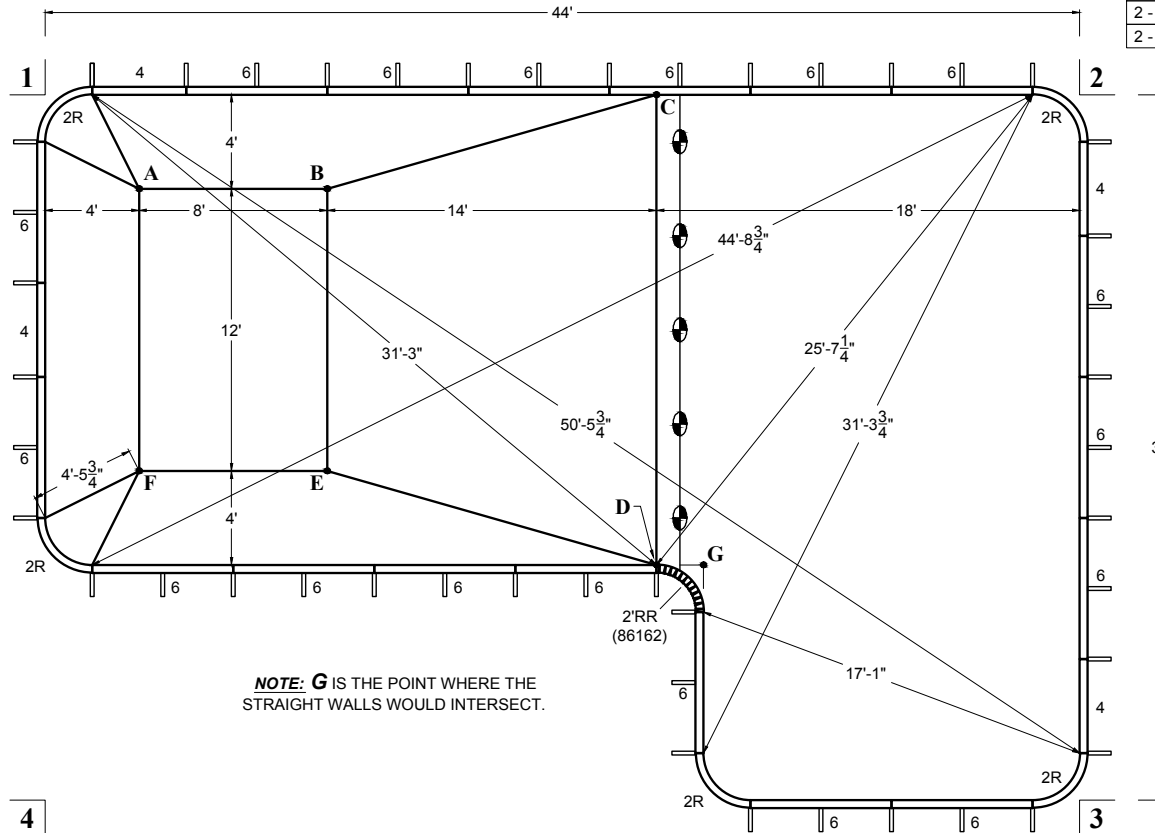
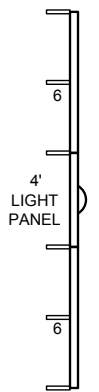
2' RADIUS 90 DEGREE EL LEFT
20' x 44' x 30'

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26"
1 - D	32'-9 3/4"
1 - E	20"
1 - F	16'-6"
1 - G	34'-5"

1 - 3	53'-3"
2 - 4	

2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18"
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

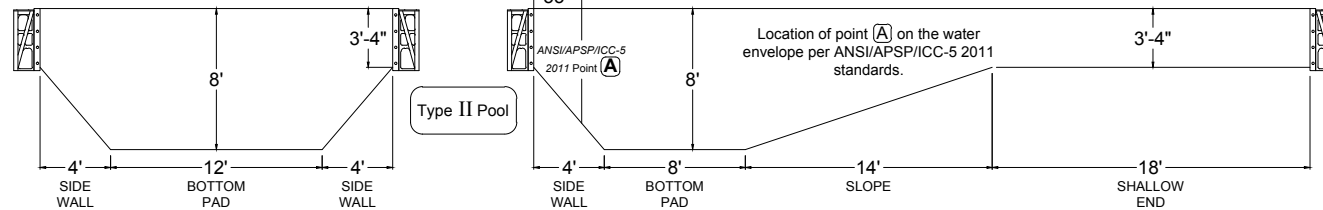
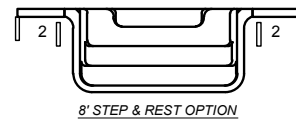
LIGHT PANEL
OPTION



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"

3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"



POOL SURFACE AREA	→ 1036.6 ft ²	LINER SQ. FT.	→ 1040.00 ft ²
POOL VOLUME	→ 31850 gal	POOL PERIMETER	→ 143'
	120550 L		43.59 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #		
2	2' PLAIN PANEL	42102	
2	2	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
16	18	6' PLAIN PANEL w/ RETURN	42107
5	5	2' RADIUS CORNER PANEL	42110
1	1	VERSA-FLEX PANEL	42115
1	1	2' REVERSE RADIUS STRAP SET	86162S
26	26	PUSH NUTS	09115
46	45	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

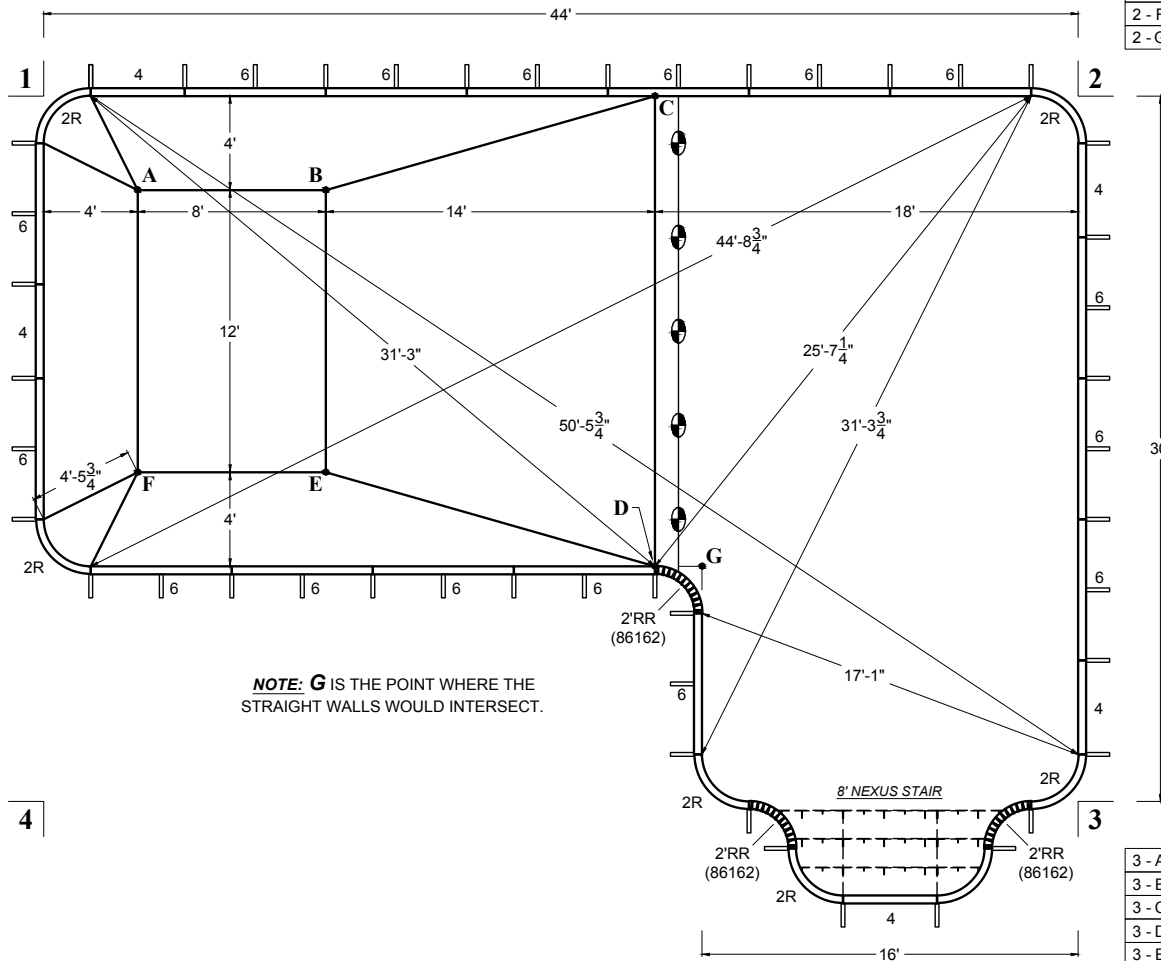
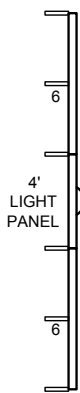
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26"
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	34'-5"

1 - 3	53'-3"
2 - 4	

2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18"
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

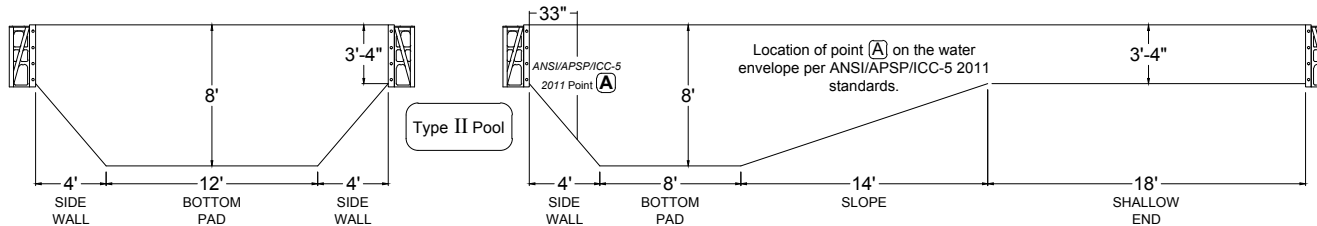
LIGHT PANEL OPTION



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"

3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"



JANUARY 2013

MATRIX
POOL SYSTEM

2' RADIUS 90 DEGREE EL LEFT
20' x 44' x 30'

POOL SURFACE AREA	1068.6 ft ² 99.3 m ²	LINER SQ. FT.	1040.00 ft ²
POOL VOLUME	32200 gal 121900 L	POOL PERIMETER	147'-6"

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
3 4' PLAIN PANEL	42106
2 4' SKIMMER PANEL	42106S
16 6' PLAIN PANEL w/ RETURN	42107
7 2' RADIUS CORNER PANEL	42110
3 VERSA-FLEX PANEL	42115
3 2' REVERSE RADIUS STRAP SET	86162S
78 PUSH NUTS	09115
47 BRACE SYSTEM COMPLETE	42146
1 8' NEXUS STAIR	NSS007
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

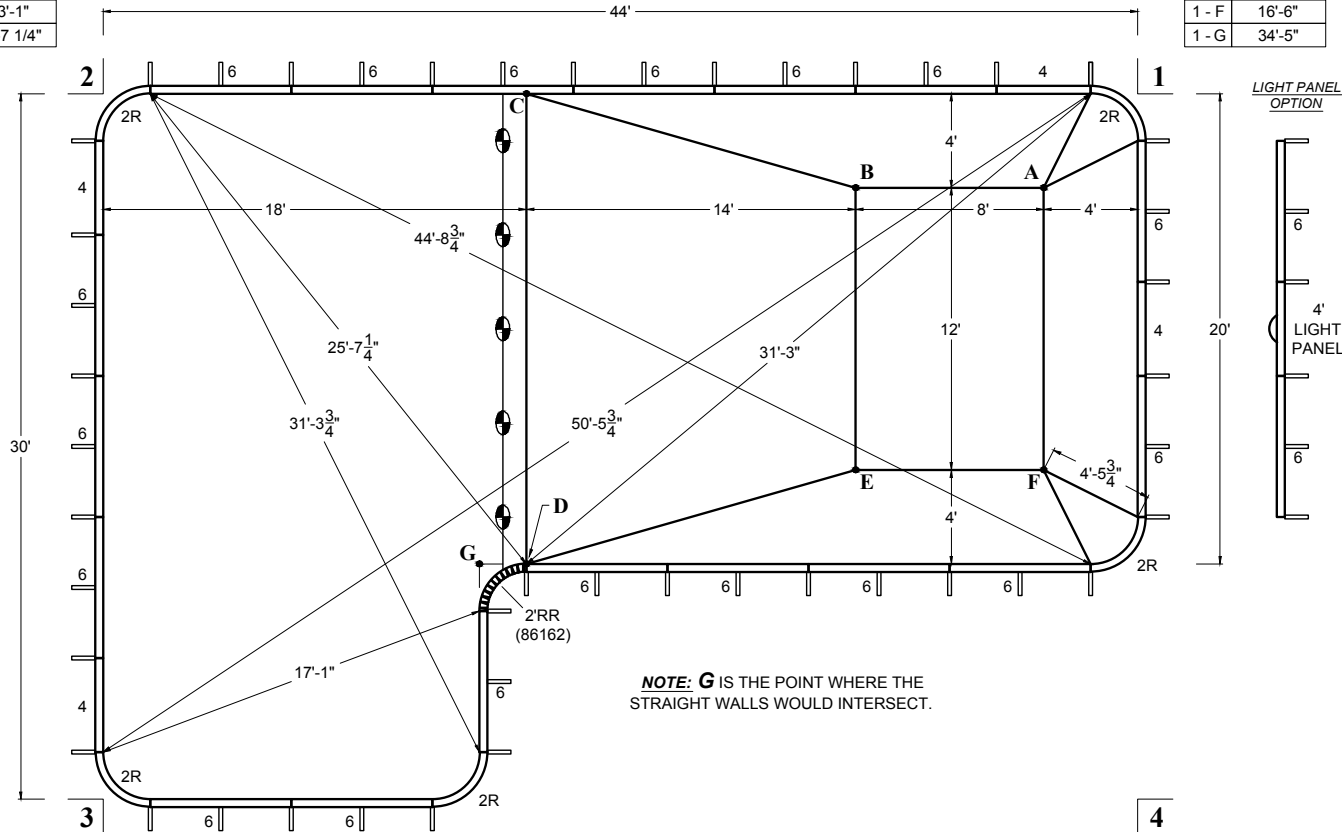
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

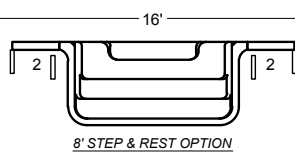
2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

1 - 3	53'-3"
2 - 4	

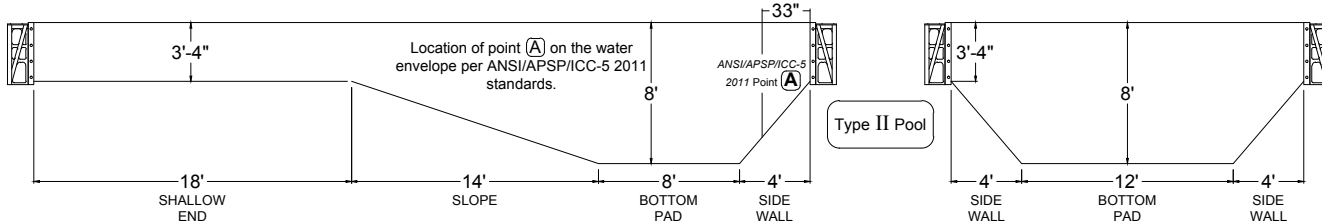
1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	34'-5"



3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"



4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"



JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS 90 DEGREE EL RIGHT
20' x 44' x 30'

POOL SURFACE AREA	1036.6 ft ²	LINER SQ. FT.	1040.00 ft ²
	96.3 m ²		
POOL VOLUME	31850 gal	POOL PERIMETER	143'
	120550 L		43.59 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
VERSA-FLEX PANEL	42115
2' REVERSE RADIUS STRAP SET	86162S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

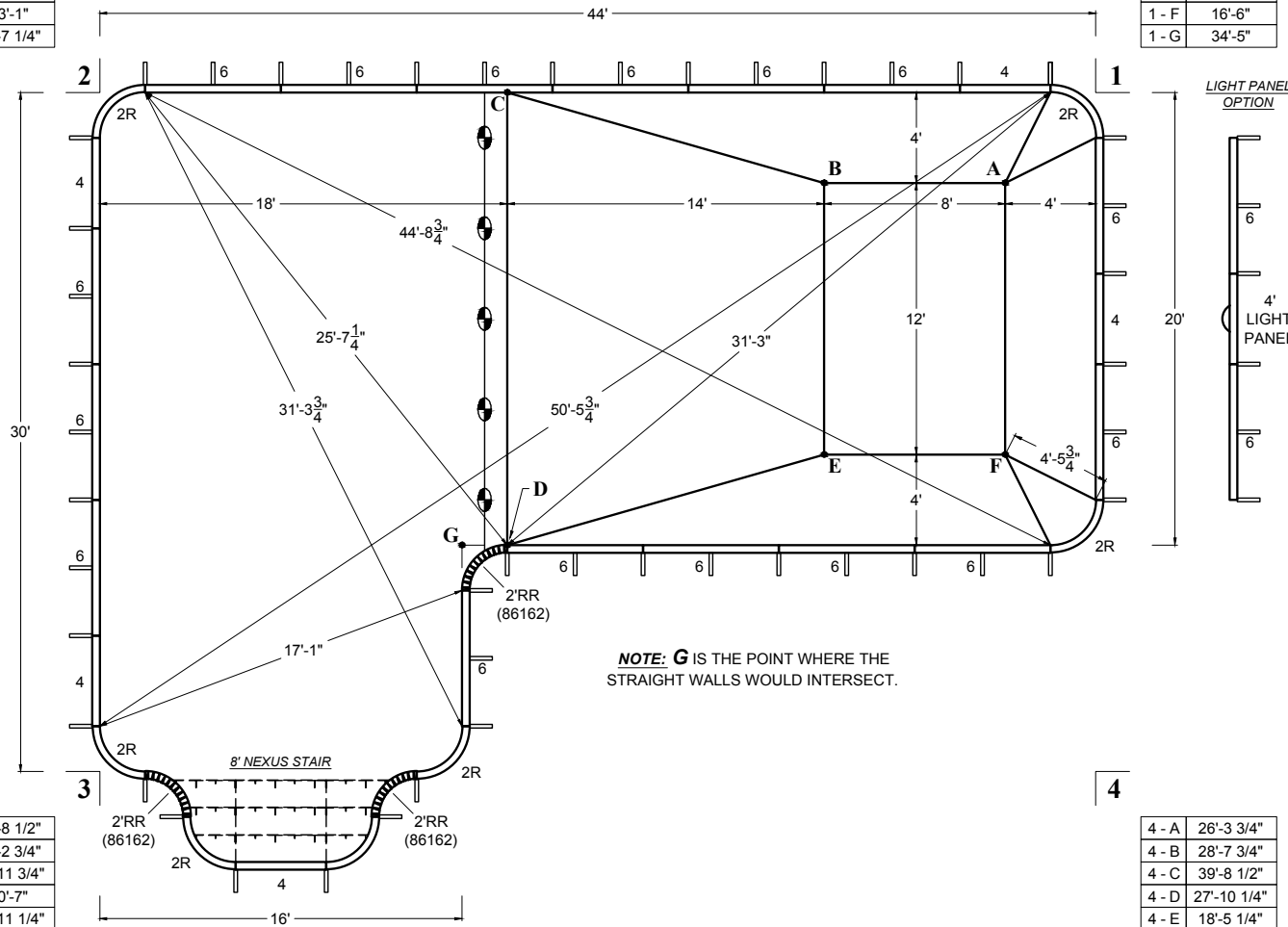
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

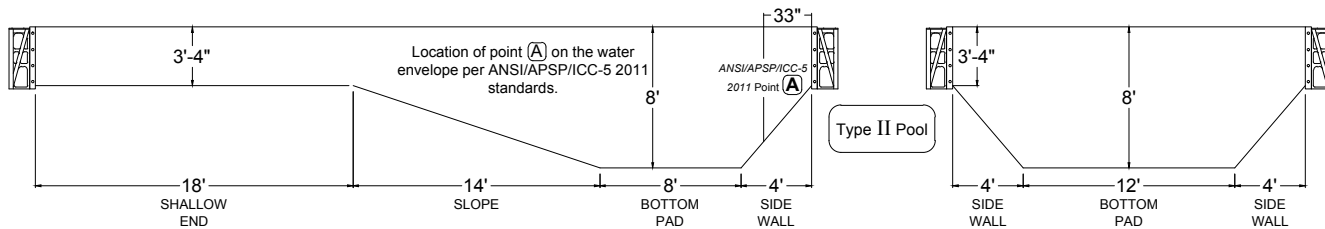
1 - 3	53'-3"
2 - 4	

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	34'-5"



3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"

4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"



JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS 90 DEGREE EL RIGHT
20' x 44' x 30'

POOL SURFACE AREA	1068.6 ft ² 99.3 m ²	LINER SQ. FT.	1040.00 ft ²
POOL VOLUME	32200 gal 121900 L	POOL PERIMETER	147'-6" 44.96 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



ITEM DESCRIPTION	PART #
3	4' PLAIN PANEL 42106
2	4' SKIMMER PANEL 42106S
16	6' PLAIN PANEL w/ RETURN 42107
7	2' RADIUS CORNER PANEL 42110
3	VERSA-FLEX PANEL 42115
3	2' REVERSE RADIUS STRAP SET 86162S
78	PUSH NUTS 09115
47	BRACE SYSTEM COMPLETE 42146
1	8' NEXUS STAIR NSS007
	CHANNEL-LOC SONOTUBE 86151
	4' STANDARD LIGHT PANEL 42106L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

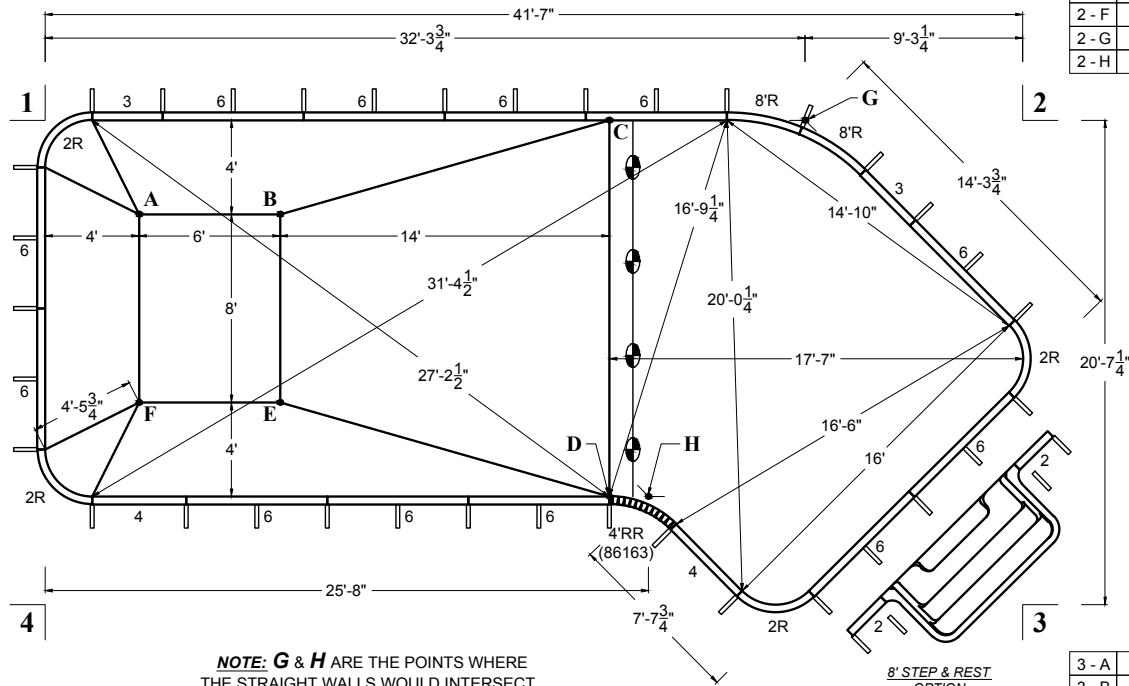
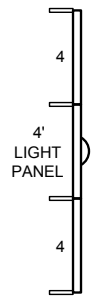
2' RADIUS LAZY EL LEFT
16' x 42'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24"
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"

1 - 3	46'-4 3/4"
2 - 4	

2 - A	37'-9 1/2"
2 - B	31'-10"
2 - C	17'-7"
2 - D	23'-9 1/4"
2 - E	33'-9 1/2"
2 - F	39'-5 1/2"
2 - G	9'-3"
2 - H	22'-6 3/4"

LIGHT PANEL
OPTION

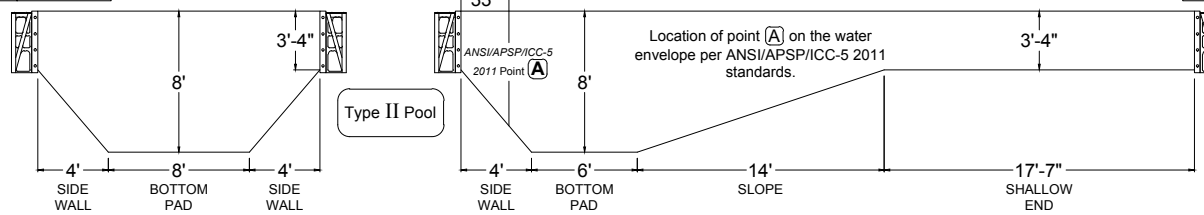


4 - A	5'-8"
4 - B	10'-9 1/4"
4 - C	24"
4 - D	28'-10 1/4"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	32'-3 3/4"
4 - H	30'-3"

NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

8' STEP & REST
OPTION

3 - A	41'-1"
3 - B	35'-8"
3 - C	27'-1"
3 - D	18'-2"
3 - E	32'-8 3/4"
3 - F	38'-6 1/2"
3 - G	22'-7"
3 - H	16'-6 3/4"



Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

* - use bolts at step connection

POOL SURFACE AREA	→ 635.1 ft ²	LINER SQ. FT.	→ 746.00 ft ²
	→ 59.0 m ²		
POOL VOLUME	→ 20150 gal	POOL PERIMETER	→ 108'
	→ 76250 L		→ 32.92 m

8' STRAIGHT STEP		NO STEP	
ITEM DESCRIPTION	PART #	ITEM DESCRIPTION	PART #
2	2	2' PLAIN PANEL	42102
2	2	3' PLAIN PANEL	42108
2	2	4' SKIMMER PANEL	42106S
10	12	6' PLAIN PANEL w/ RETURN	42107
4	4	2' RADIUS CORNER PANEL	42110
2	2	8' RADIUS PANEL	42111
1	1	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
26	26	PUSH NUTS	09115
34	35	BRACE SYSTEM COMPLETE	42146
1	1	8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS LAZY EL LEFT
16' x 42'

POOL SURFACE AREA	667.1 ft ²	LINER SQ. FT.	746.00 ft ²
POOL VOLUME	20500 gal	POOL PERIMETER	112'-6"
	77600 L		34.85 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

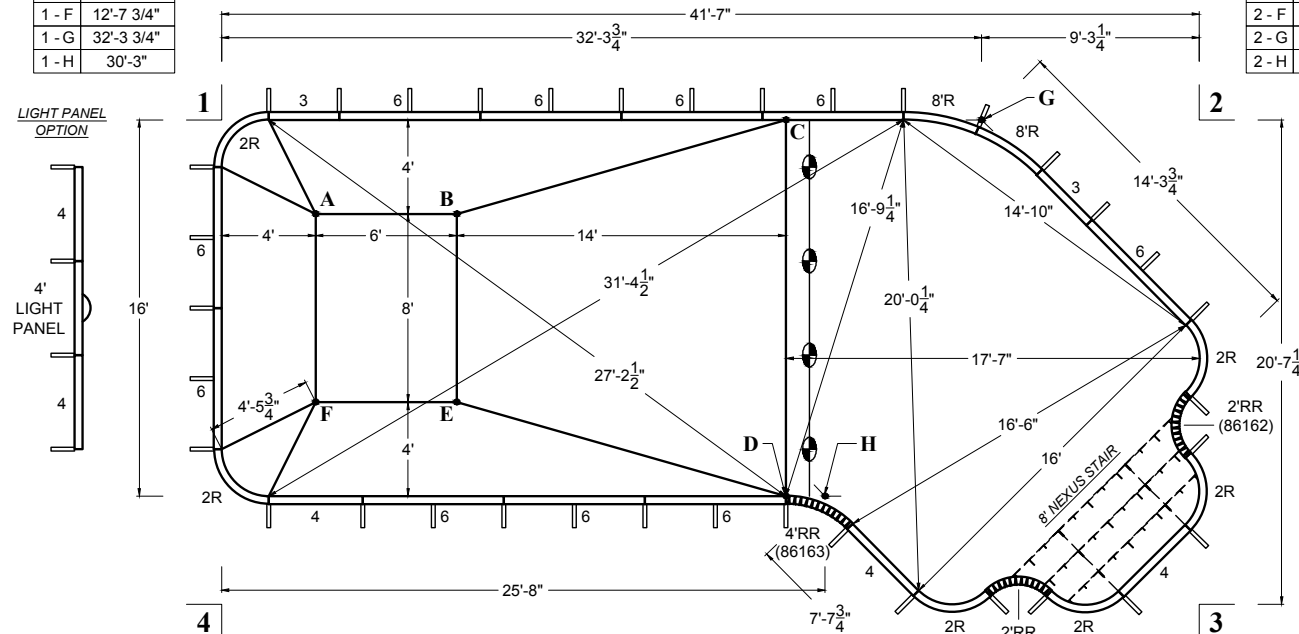
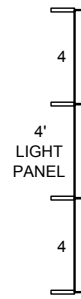
	ITEM DESCRIPTION	PART #
2	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
10	6' PLAIN PANEL w/ RETURN	42107
6	2' RADIUS CORNER PANEL	42110
2	8' RADIUS PANEL	42111
3	VERSA-FLEX PANEL	42115
1	4' REVERSE RADIUS STRAP SET	86163S
2	2' REVERSE RADIUS STRAP SET	86162S
78	PUSH NUTS	09115
36	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"

1 - 3	46'-4 3/4"
2 - 4	

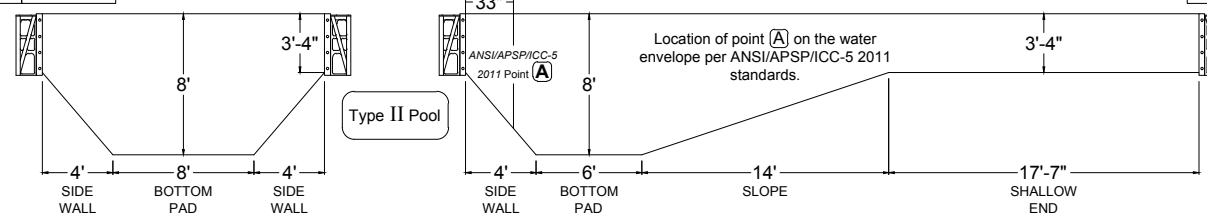
2 - A	37'-9 1/2"
2 - B	31'-10"
2 - C	17'-7"
2 - D	23'-9 1/4"
2 - E	33'-9 1/2"
2 - F	39'-5 1/2"
2 - G	9'-3"
2 - H	22'-6 3/4"

LIGHT PANEL OPTION



4 - A	5'-8"
4 - B	10'-9 1/4"
4 - C	24'
4 - D	28'-10 1/4"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	32'-3 3/4"
4 - H	30'-3"

3 - A	41'-1"
3 - B	35'-8"
3 - C	27'-1"
3 - D	18'-2"
3 - E	32'-8 3/4"
3 - F	38'-6 1/2"
3 - G	22'-7"
3 - H	16'-6 3/4"



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

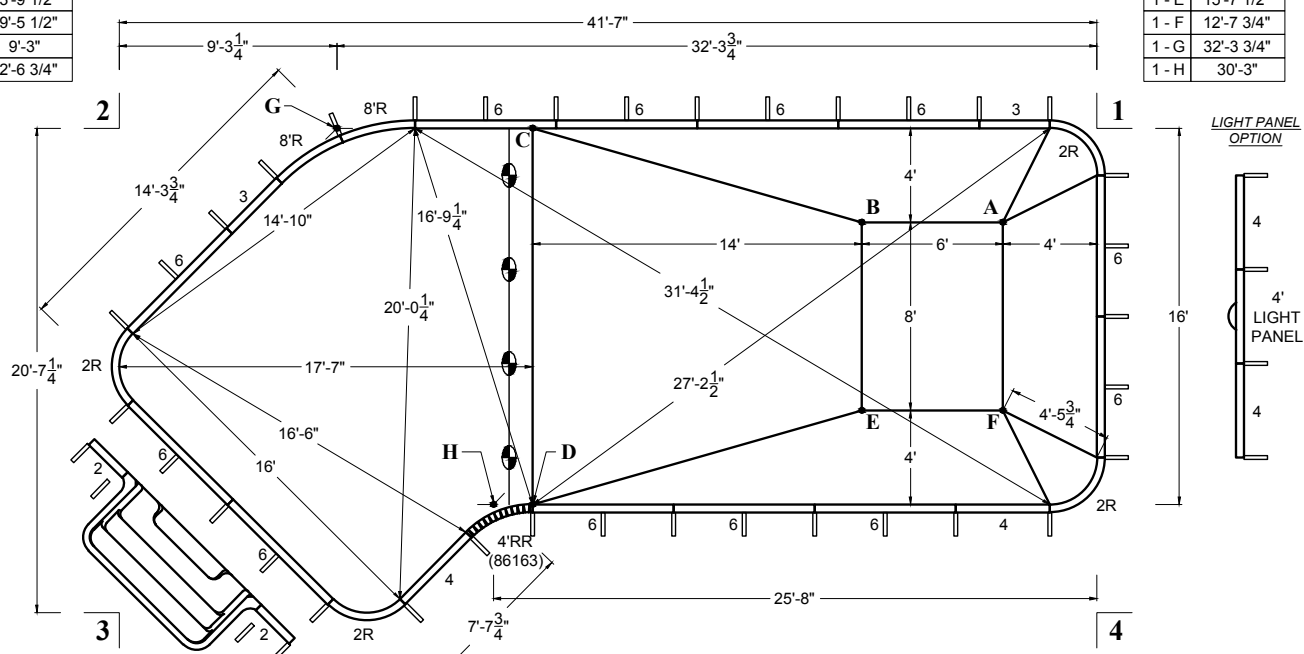
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS LAZY EL RIGHT
16' x 42'

2 - A	37'-9 1/2"
2 - B	31'-10"
2 - C	17'-7"
2 - D	23'-9 1/4"
2 - E	33'-9 1/2"
2 - F	39'-5 1/2"
2 - G	9'-3"
2 - H	22'-6 3/4"

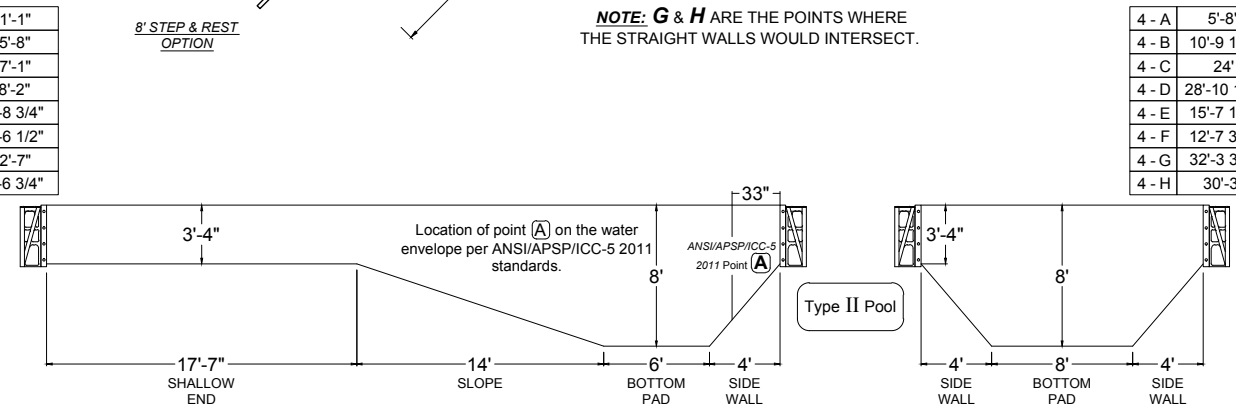
1 - 3	46'-4 3/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"



3 - A	41'-1"
3 - B	35'-8"
3 - C	27'-1"
3 - D	18'-2"
3 - E	32'-8 3/4"
3 - F	38'-6 1/2"
3 - G	22'-7"
3 - H	16'-6 3/4"

4 - A	5'-8"
4 - B	10'-9 1/4"
4 - C	24'
4 - D	28'-10 1/4"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	32'-3 3/4"
4 - H	30'-3"



POOL SURFACE AREA	635.1 ft ²	LINER SQ. FT.	746.00 ft ²
POOL VOLUME	20150 gal	POOL PERIMETER	108'
	76250 L		32.92 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
3' PLAIN PANEL	42108
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
8' RADIUS PANEL	42111
VERSA-FLEX PANEL	42115
4' REVERSE RADIUS STRAP SET	86163S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

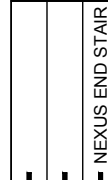
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS LAZY EL RIGHT
16' x 42'

POOL SURFACE AREA	→ 667.1 ft ² 62.0 m ²	LINER SQ. FT.	→ 746.00 ft ²
POOL VOLUME	→ 20500 gal 77600 L	POOL PERIMETER	→ 112'-6" 34.85 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

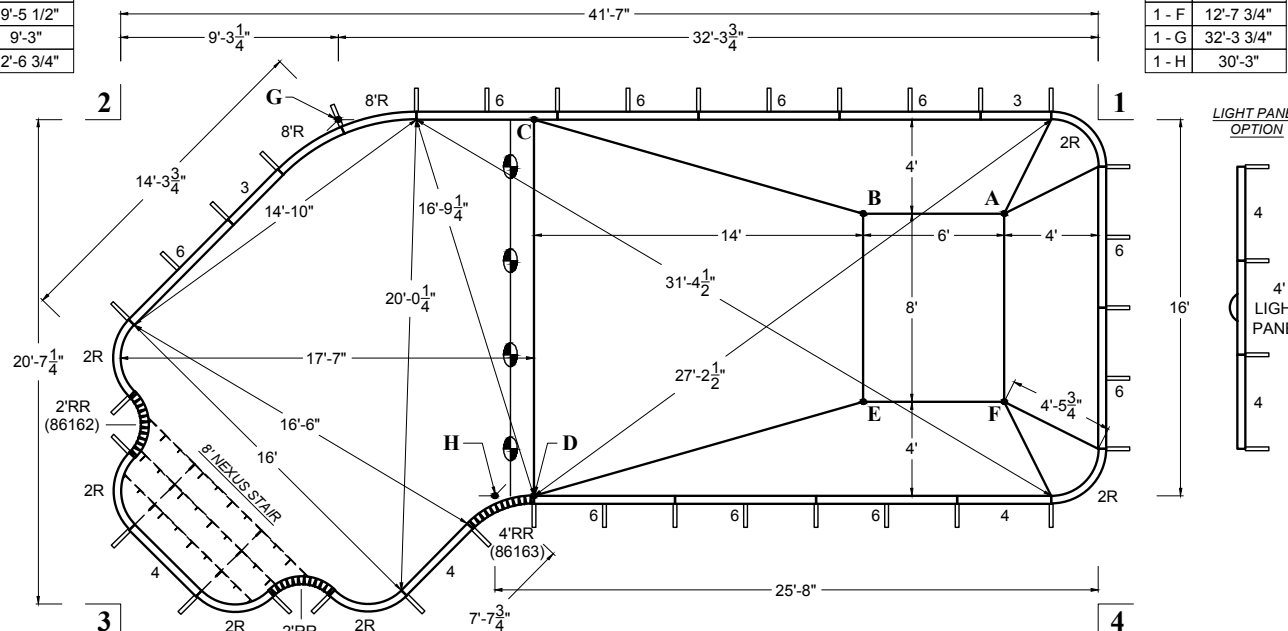


ITEM DESCRIPTION	PART #	
2	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
10	6' PLAIN PANEL w/ RETURN	42107
6	2' RADIUS CORNER PANEL	42110
2	8' RADIUS PANEL	42111
3	VERSA-FLEX PANEL	42115
1	4' REVERSE RADIUS STRAP SET	86163S
2	2' REVERSE RADIUS STRAP SET	86162S
78	PUSH NUTS	09115
36	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

2 - A	37'-9 1/2"
2 - B	31'-10"
2 - C	17'-7"
2 - D	23'-9 1/4"
2 - E	33'-9 1/2"
2 - F	39'-5 1/2"
2 - G	9'-3"
2 - H	22'-6 3/4"

1 - 3	46'-4 3/4"
2 - 4	

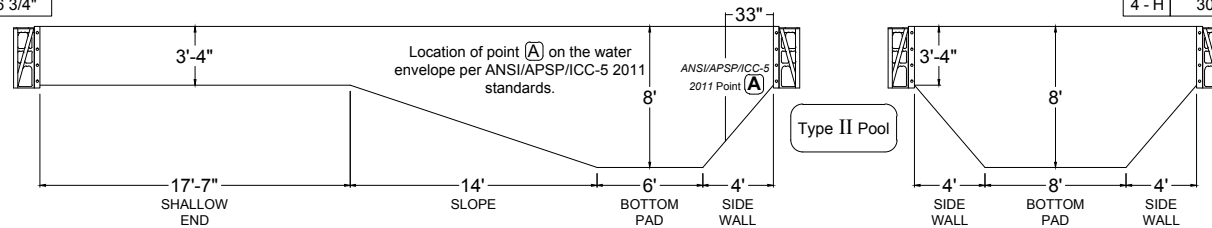
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"



3 - A	41'-1"
3 - B	35'-8"
3 - C	27'-1"
3 - D	18'-2"
3 - E	32'-8 3/4"
3 - F	38'-6 1/2"
3 - G	22'-7"
3 - H	16'-6 3/4"

NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	5'-8"
4 - B	10'-9 1/4"
4 - C	24'
4 - D	28'-10 1/4"
4 - E	15'-7 1/2"
4 - F	12'-7 3/4"
4 - G	32'-3 3/4"
4 - H	30'-3"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current *ANSI/APSP/ICC-5 2011* suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS LAZY EL LEFT
18' x 43'

POOL SURFACE AREA	740.3 ft ² 68.8 m ²	LINER SQ. FT.	878.6250 ft ²
POOL VOLUME	23400 gal 88550 L	POOL PERIMETER	114'-10" 35.00 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM #	ITEM DESCRIPTION	PART #	
1	1	6" PLAIN PANEL	42100
2	2	3" PLAIN PANEL	42108
1	1	3'6" PLAIN PANEL	42105
4	6	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
9	10	6' PLAIN PANEL w/ RETURN	42107
4	4	2' RADIUS CORNER PANEL	42110
2	2	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
1	1	4' RADIUS STRAP SET	86155S
52	52	PUSH NUTS	09115
35	36	BRACE SYSTEM COMPLETE	42146
1	1	8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

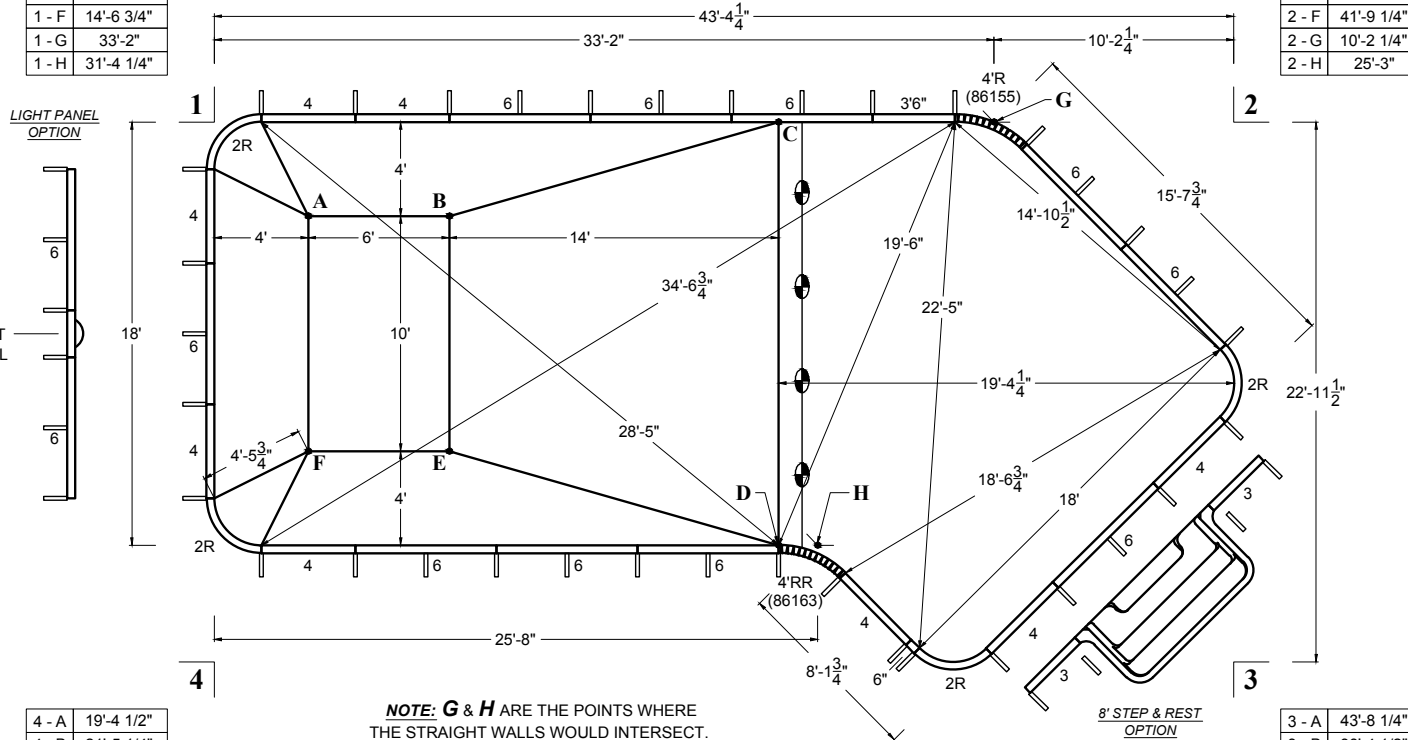
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"

1 - 3	49'-0 3/4"
2 - 4	

2 - A	39'-6 3/4"
2 - B	33'-7 1/4"
2 - C	19'-4 1/4"
2 - D	26'-5 1/4"
2 - E	36'-2"
2 - F	41'-9 1/4"
2 - G	10'-2 1/4"
2 - H	25'-3"

LIGHT PANEL OPTION

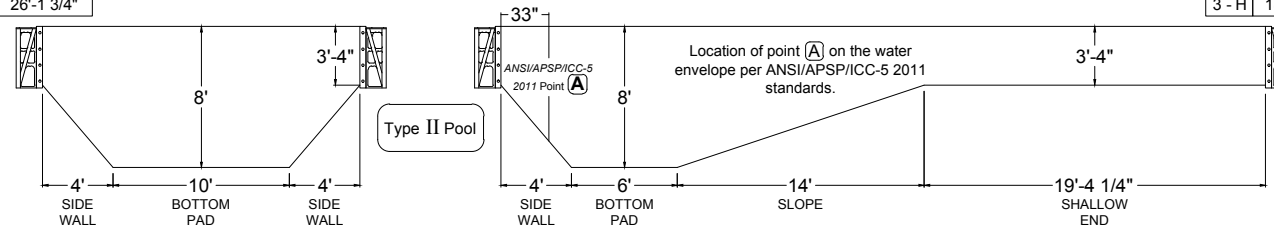
2' LIGHT PANEL



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	19'-4 1/2"
4 - B	21'-5 1/4"
4 - C	33'-2 1/2"
4 - D	24'-6"
4 - E	13'-5"
4 - F	9'-9 3/4"
4 - G	40'-4"
4 - H	26'-1 3/4"

3 - A	43'-8 1/4"
3 - B	38'-4 1/2"
3 - C	30'-0 1/4"
3 - D	19'-11 3/4"
3 - E	34'-6 1/2"
3 - F	40'-4 1/4"
3 - G	25'-1 1/2"
3 - H	18'-4 1/2"



Type II Pool

JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS LAZY EL LEFT
18' x 43'

POOL SURFACE AREA	772.3 ft ²	LINER SQ. FT.	878.6250 ft ²
POOL VOLUME	23750 gal	POOL PERIMETER	119'-4"
	89900 L		36.37 m

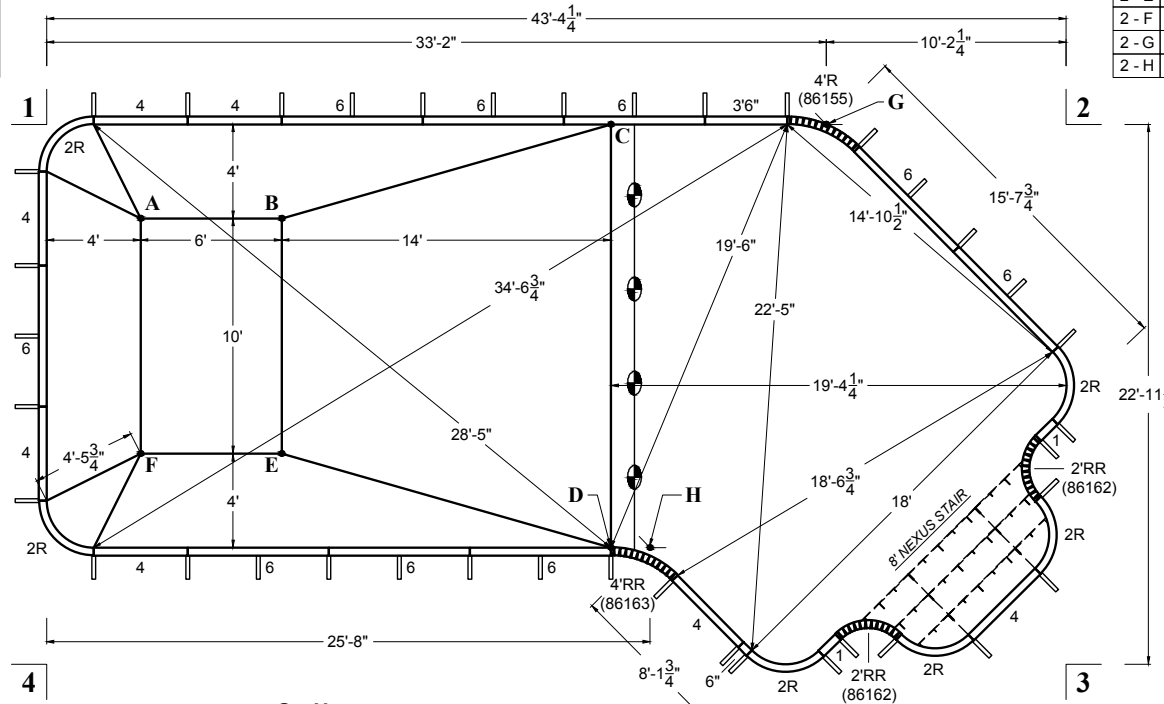
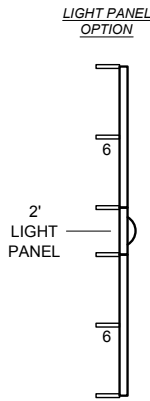
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 6" PLAIN PANEL	42100
2 1' PLAIN PANEL	42101
1 3'6" PLAIN PANEL	42105
5 4' PLAIN PANEL	42106
2 4' SKIMMER PANEL	42106S
9 6' PLAIN PANEL w/ RETURN	42107
6 2' RADIUS CORNER PANEL	42110
4 VERSA-FLEX PANEL	42115
1 4' RADIUS STRAP SET	86155S
1 4' REVERSE RADIUS STRAP SET	86163S
2 2' REVERSE RADIUS STRAP SET	86162S
104 PUSH NUTS	09115
39 BRACE SYSTEM COMPLETE	42146
1 8' NEXUS STAIR	NSS007
1 CHANNEL-LOC SONOTUBE	86151
2' STANDARD LIGHT PANEL	42102L

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"

1 - 3	49'-0 3/4"
2 - 4	

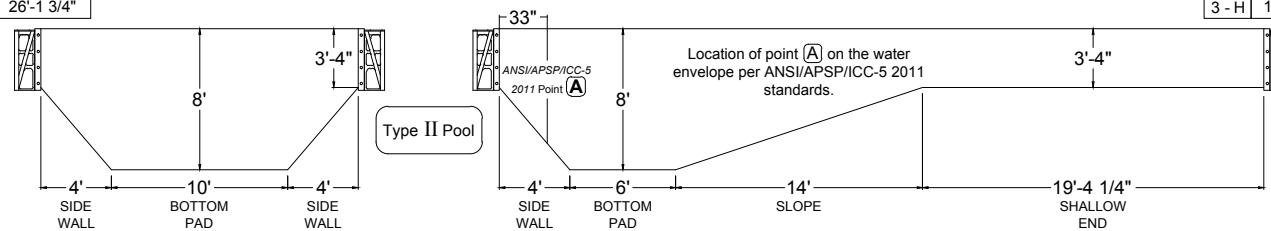
2 - A	39'-6 3/4"
2 - B	33'-7 1/4"
2 - C	19'-4 1/4"
2 - D	26'-5 1/4"
2 - E	36'-2"
2 - F	41'-9 1/4"
2 - G	10'-2 1/4"
2 - H	25'-3"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	19'-4 1/2"
4 - B	21'-5 1/4"
4 - C	33'-2 1/2"
4 - D	24'-6"
4 - E	13'-5"
4 - F	9'-9 3/4"
4 - G	40'-4"
4 - H	26'-1 3/4"

3 - A	43'-8 1/4"
3 - B	38'-4 1/2"
3 - C	30'-0 1/4"
3 - D	19'-11 3/4"
3 - E	34'-6 1/2"
3 - F	40'-4 1/4"
3 - G	25'-1 1/2"
3 - H	18'-4 1/2"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2' RADIUS LAZY EL RIGHT
18' x 43'

POOL SURFACE AREA	→ 740.3 ft ² 68.8 m ²	LINER SQ. FT.	→ 878.6250 ft ²
POOL VOLUME	→ 23400 gal 88550 L	POOL PERIMETER	→ 114'-10" 35.00 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

↓	8' STRAIGHT STEP		
↓	NO STEP		

	ITEM DESCRIPTION	PART #
1	6" PLAIN PANEL	42100
2	3" PLAIN PANEL	42108
1	3'6" PLAIN PANEL	42105
4	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
9	6' PLAIN PANEL w/ RETURN	42107
4	2' RADIUS CORNER PANEL	42110
2	VERSA-FLEX PANEL	42115
1	4' REVERSE RADIUS STRAP SET	86163S
1	4' RADIUS STRAP SET	86155S
52	PUSH NUTS	09115
35	BRACE SYSTEM COMPLETE	42146
1	8' STEP & REST	07418SNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

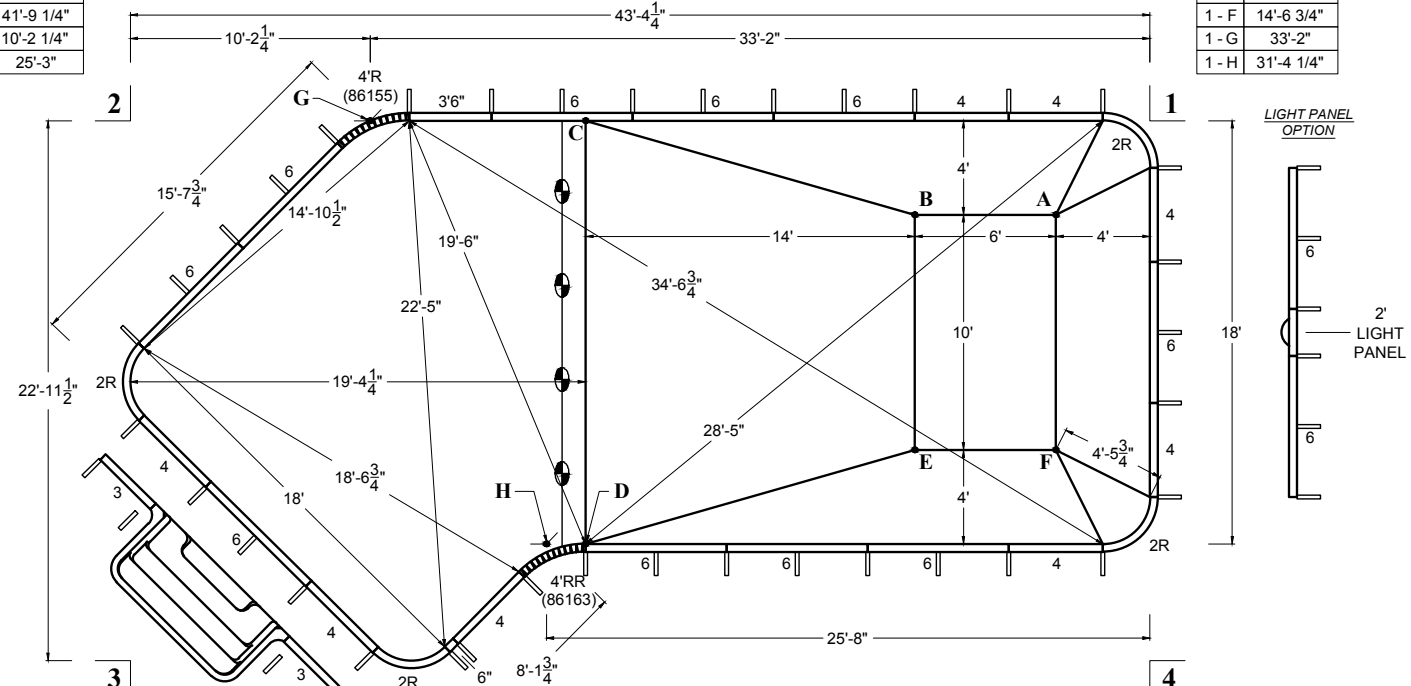
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	39'-6 3/4"
2 - B	33'-7 1/4"
2 - C	19'-4 1/4"
2 - D	26'-5 1/4"
2 - E	36'-2"
2 - F	41'-9 1/4"
2 - G	10'-2 1/4"
2 - H	25'-3"

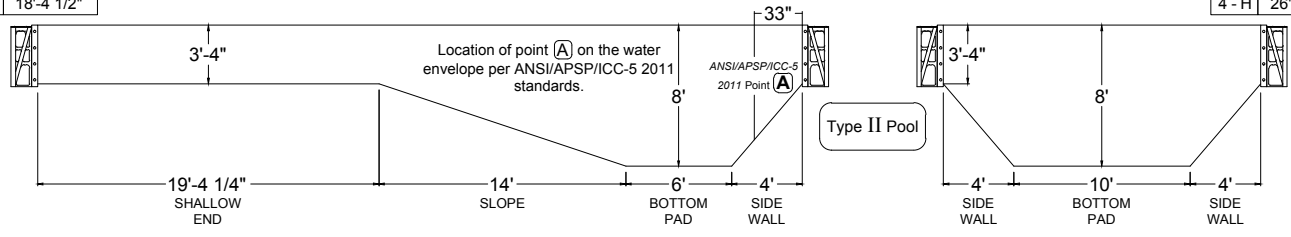
1 - 3	49'-0 3/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"



3 - A	43'-8 1/4"
3 - B	38'-4 1/2"
3 - C	30'-0 1/4"
3 - D	19'-11 3/4"
3 - E	34'-6 1/2"
3 - F	40'-4 1/4"
3 - G	25'-1 1/2"
3 - H	18'-4 1/2"

4 - A	19'-4 1/2"
4 - B	21'-5 1/4"
4 - C	33'-2 1/2"
4 - D	24'-6"
4 - E	13'-5"
4 - F	9'-9 3/4"
4 - G	40'-4"
4 - H	26'-1 3/4"



JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS LAZY EL RIGHT
18' x 43'

POOL SURFACE AREA	772.3 ft ²	LINER SQ. FT.	878.6250 ft ²
POOL VOLUME	23750 gal	POOL PERIMETER	119'-4"
	89900 L		36.37 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

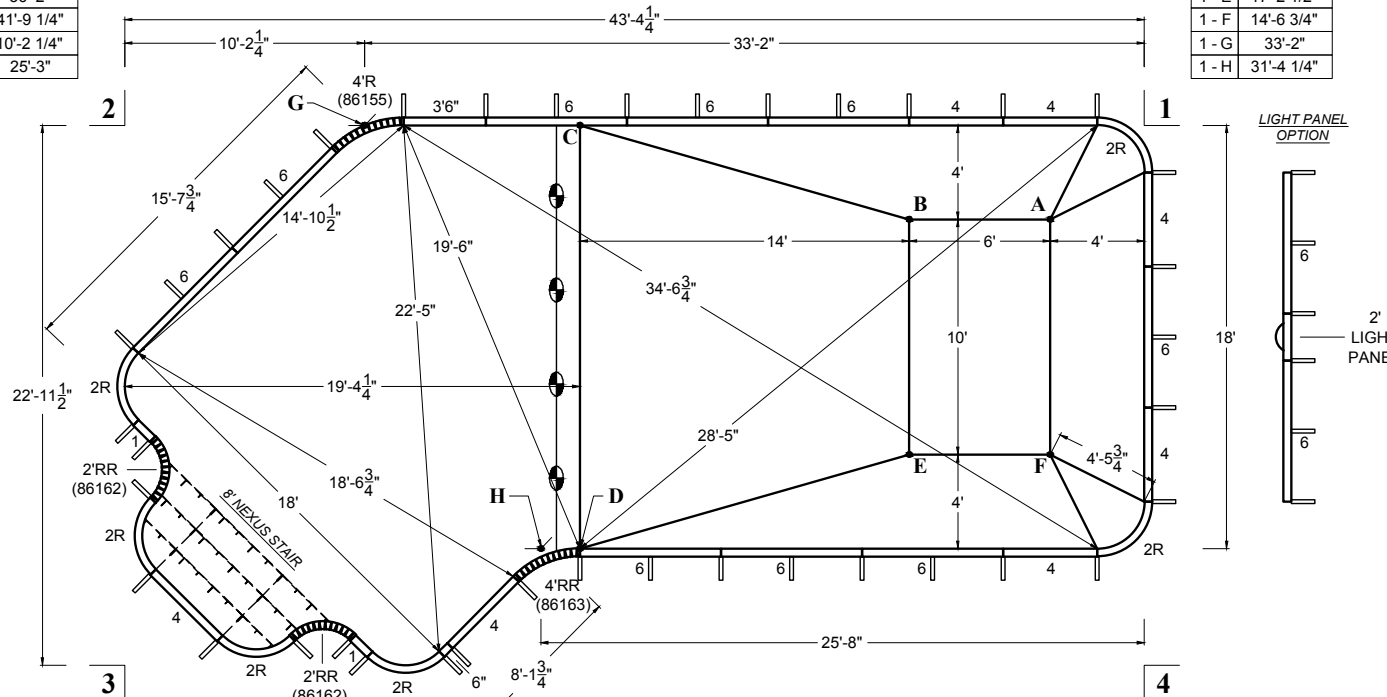
NEXUS END STAIR

ITEM #	ITEM DESCRIPTION	PART #
1	6" PLAIN PANEL	42100
2	1' PLAIN PANEL	42101
1	3'6" PLAIN PANEL	42105
5	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
9	6' PLAIN PANEL w/ RETURN	42107
6	2' RADIUS CORNER PANEL	42110
4	VERSA-FLEX PANEL	42115
1	4' RADIUS STRAP SET	86155S
1	4' REVERSE RADIUS STRAP SET	86163S
2	2' REVERSE RADIUS STRAP SET	86162S
104	PUSH NUTS	09115
39	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
	CHANNEL-LOC SONOTUBE	86151
	2' STANDARD LIGHT PANEL	42102L

2 - A	39'-6 3/4"
2 - B	33'-7 1/4"
2 - C	19'-4 1/4"
2 - D	26'-5 1/4"
2 - E	36'-2"
2 - F	41'-9 1/4"
2 - G	10'-2 1/4"
2 - H	25'-3"

1 - 3	49'-0 3/4"
2 - 4	

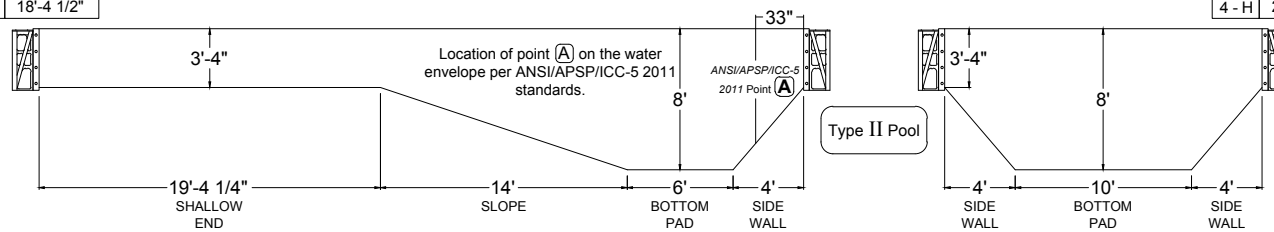
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	43'-8 1/4"
3 - B	38'-4 1/2"
3 - C	30'-0 1/4"
3 - D	19'-11 3/4"
3 - E	34'-6 1/2"
3 - F	40'-4 1/4"
3 - G	25'-1 1/2"
3 - H	18'-4 1/2"

4 - A	19'-4 1/2"
4 - B	21'-5 1/4"
4 - C	33'-2 1/2"
4 - D	24'-6"
4 - E	13'-5"
4 - F	9'-9 3/4"
4 - G	40'-4"
4 - H	26'-1 3/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

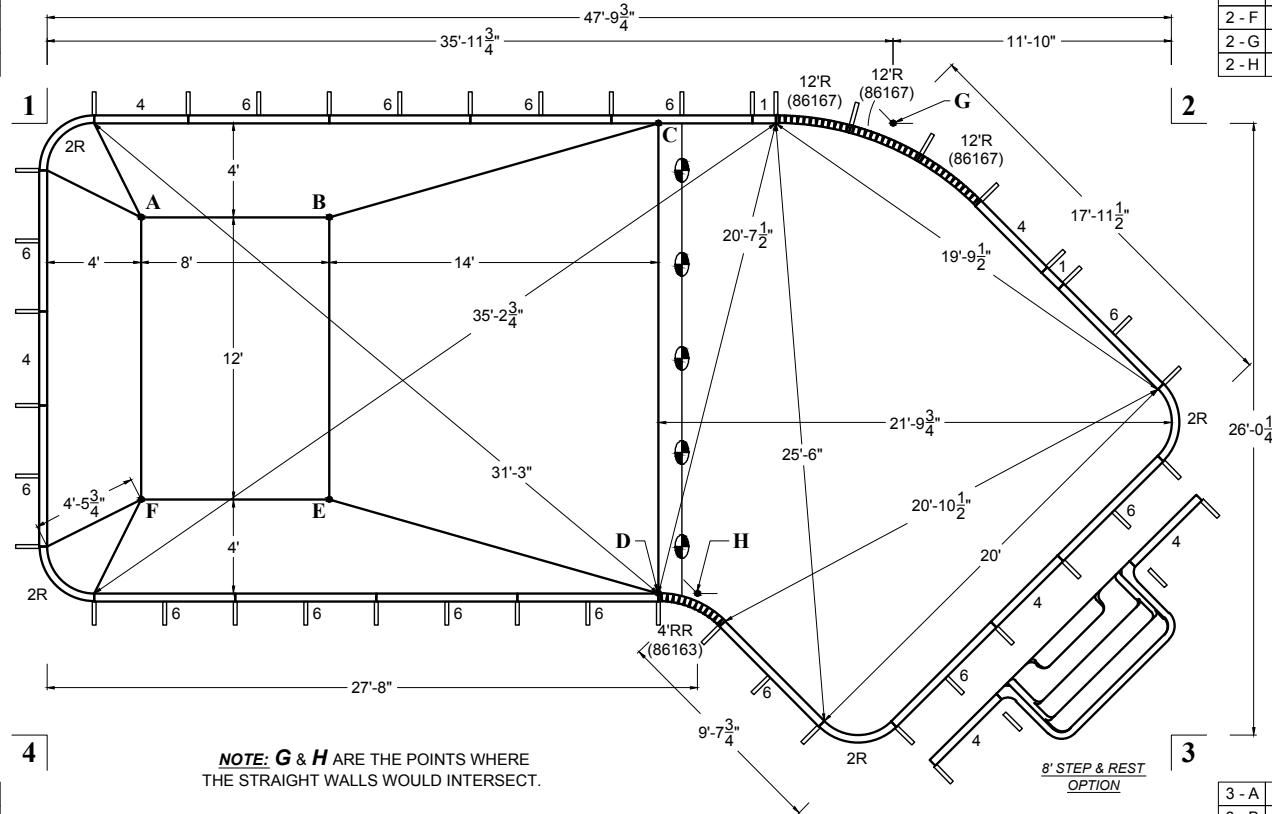
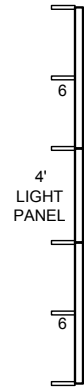
2' RADIUS LAZY EL LEFT
20' x 48'

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26"
1 - D	32'-9 3/4"
1 - E	20"
1 - F	16'-6"
1 - G	35'-11 3/4"
1 - H	34'-1 3/4"

1 - 3	54'-5 1/4"
2 - 4	

2 - A	44"
2 - B	36'-0 1/2"
2 - C	21'-9 3/4"
2 - D	29'-7 1/4"
2 - E	39'-2 3/4"
2 - F	46'-7 3/4"
2 - G	11'-10"
2 - H	28'-4 3/4"

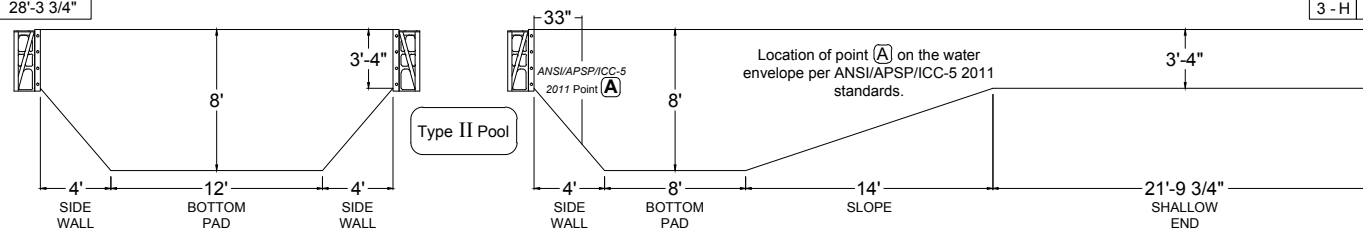
LIGHT PANEL
OPTION



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	22'-4 1/2"
4 - B	25'-0 3/4"
4 - C	36'-9 1/4"
4 - D	26'-8 1/4"
4 - E	15'-7 1/2"
4 - F	10'-9 1/2"
4 - G	44'-4 3/4"
4 - H	28'-3 3/4"

3 - A	49'-0 1/2"
3 - B	42'-0 1/2"
3 - C	33'-11 1/2"
3 - D	22'-7 1/2"
3 - E	37'-2 1/4"
3 - F	44'-11 1/2"
3 - G	28'-7"
3 - H	21'-0 1/2"



POOL SURFACE AREA	→ 906.4 ft ²	LINER SQ. FT.	→ 1078.75 ft ²
POOL VOLUME	→ 29100 gal	POOL PERIMETER	→ 127'-2"
	110150 L		38.76 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM	DESCRIPTION	PART #	
2	2	1' PLAIN PANEL	42101
3	2	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
12	14	6' PLAIN PANEL w/ RETURN	42107
4	4	2' RADIUS CORNER PANEL	42110
4	4	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
3	3	12' RADIUS STRAP SET	86167S
104	104	PUSH NUTS	09115
40	42	BRACE SYSTEM COMPLETE	42146
1	1	8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS LAZY EL LEFT
20' x 48'

POOL SURFACE AREA	→ 938.4 ft ²	LINER SQ. FT.	→ 1078.75 ft ²
POOL VOLUME	→ 29450 gal	POOL PERIMETER	→ 131'-8"
	111500 L		40.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

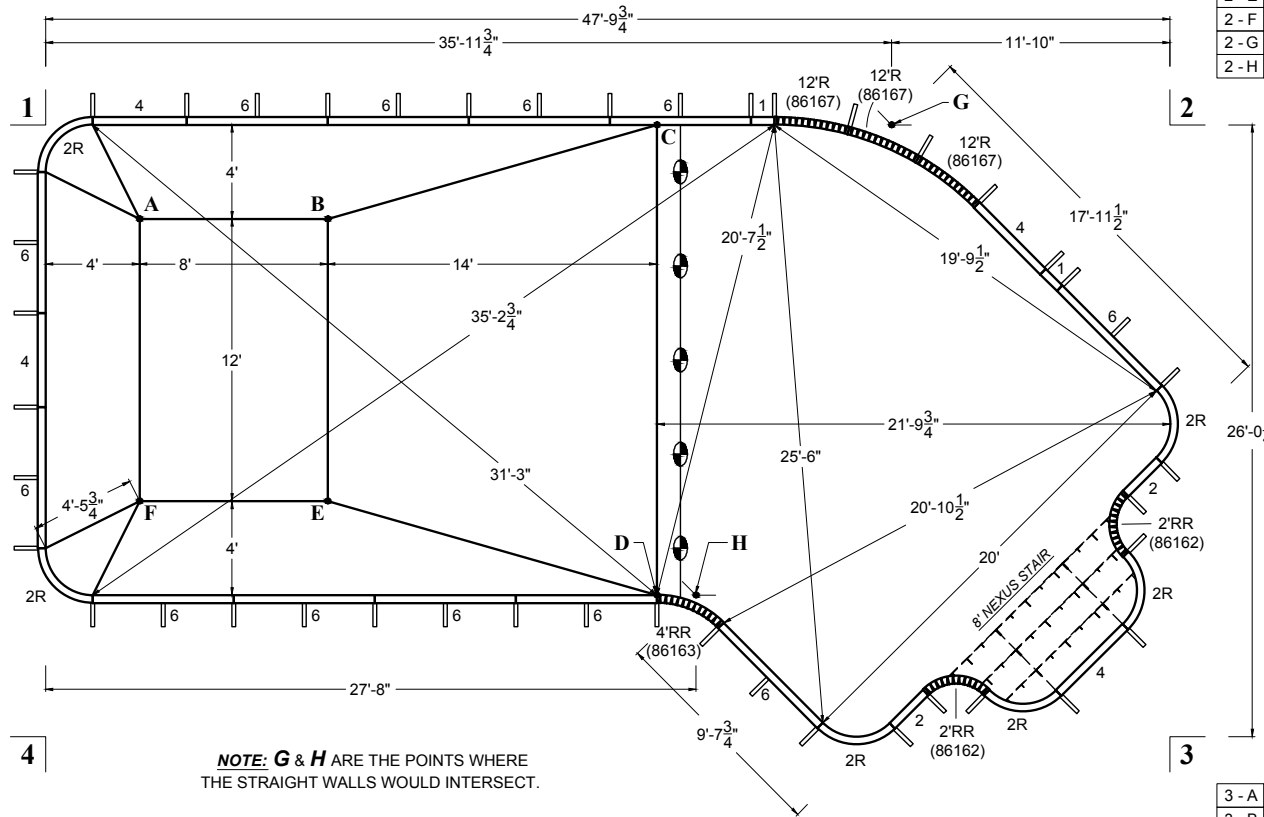
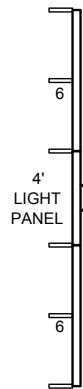
ITEM DESCRIPTION	PART #	
1	1' PLAIN PANEL	42101
2	2' PLAIN PANEL	42102
2	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
12	6' PLAIN PANEL w/ RETURN	42107
6	2' RADIUS CORNER PANEL	42110
6	VERSA-FLEX PANEL	42115
3	12' RADIUS STRAP SET	86167S
1	4' REVERSE RADIUS STRAP SET	86163S
2	2' REVERSE RADIUS STRAP SET	86162S
156	PUSH NUTS	09115
43	BRACE SYSTEM COMPLETE	42146
1	8' NEXUS STAIR	NSS007
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	35'-11 3/4"
1 - H	34'-1 3/4"

1 - 3	54'-5 1/4"
2 - 4	

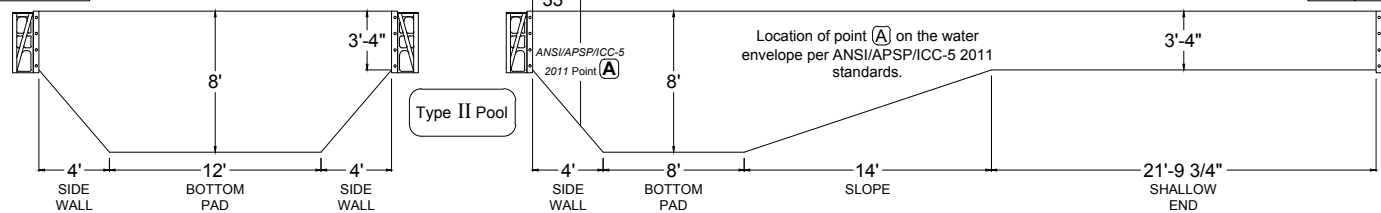
2 - A	44'
2 - B	36'-0 1/2"
2 - C	21'-9 3/4"
2 - D	29'-7 1/4"
2 - E	39'-2 3/4"
2 - F	46'-7 3/4"
2 - G	11'-10"
2 - H	28'-4 3/4"

LIGHT PANEL OPTION



4 - A	22'-4 1/2"
4 - B	25'-0 3/4"
4 - C	36'-9 1/4"
4 - D	26'-8 1/4"
4 - E	15'-7 1/2"
4 - F	10'-9 1/2"
4 - G	44'-4 3/4"
4 - H	28'-3 3/4"

3 - A	49'-0 1/2"
3 - B	42'-0 1/2"
3 - C	33'-11 1/2"
3 - D	22'-7 1/2"
3 - E	37'-2 1/4"
3 - F	44'-11 1/2"
3 - G	28'-7"
3 - H	21'-0 1/2"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of different slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

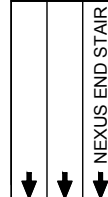
JANUARY
2013

MATRIX
POOL SYSTEM

2' RADIUS LAZY EL RIGHT
20' x 48'

POOL SURFACE AREA	938.4 ft ²	LINER SQ. FT.	1078.75 ft ²
POOL VOLUME	29450 gal	POOL PERIMETER	131'-8"
	111500 L		40.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

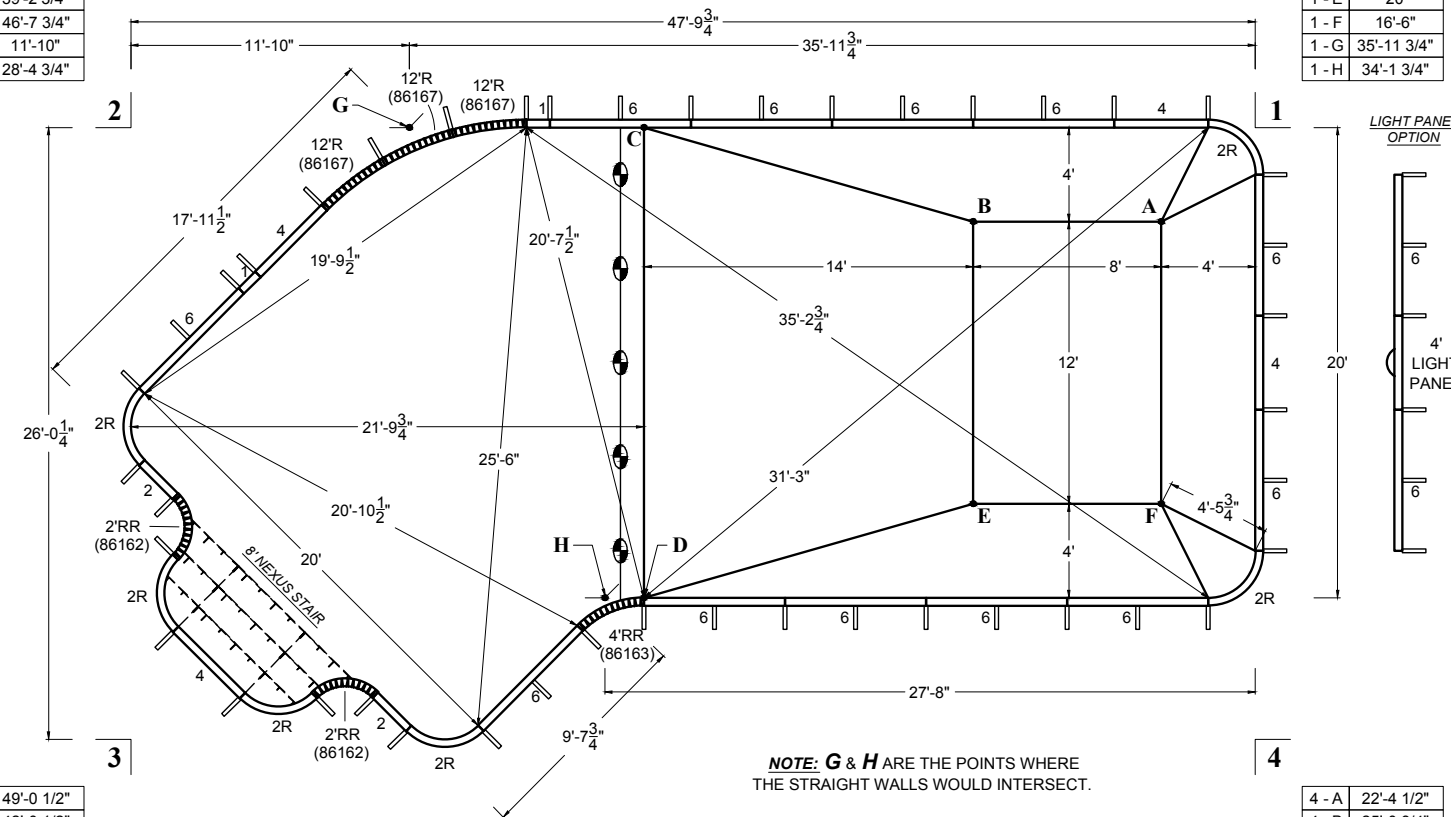


ITEM DESCRIPTION	PART #
1 1' PLAIN PANEL	42101
2 2' PLAIN PANEL	42102
2 4' PLAIN PANEL	42106
2 4' SKIMMER PANEL	42106S
12 6' PLAIN PANEL w/ RETURN	42107
6 2' RADIUS CORNER PANEL	42110
6 VERSA-FLEX PANEL	42115
3 12' RADIUS STRAP SET	86167S
1 4' REVERSE RADIUS STRAP SET	86163S
2 2' REVERSE RADIUS STRAP SET	86162S
156 PUSH NUTS	09115
43 BRACE SYSTEM COMPLETE	42146
1 8' NEXUS STAIR	NSS007
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

2 - A	44"
2 - B	36'-0 1/2"
2 - C	21'-9 3/4"
2 - D	29'-7 1/4"
2 - E	39'-2 3/4"
2 - F	46'-7 3/4"
2 - G	11'-10"
2 - H	28'-4 3/4"

1 - 3	54'-5 1/4"
2 - 4	

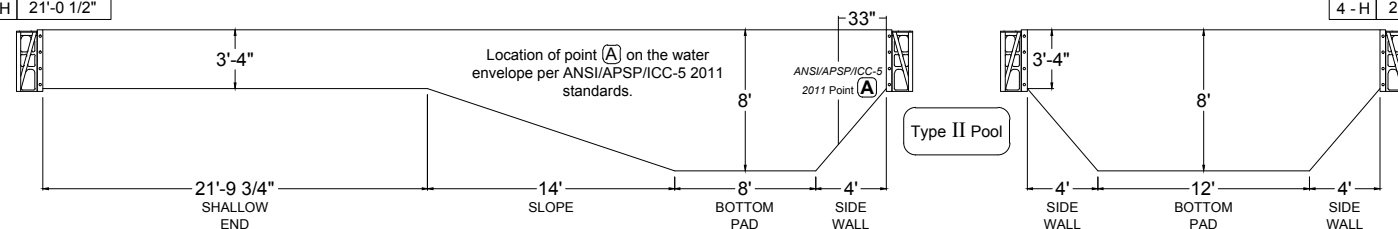
1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	35'-11 3/4"
1 - H	34'-1 3/4"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	49'-0 1/2"
3 - B	42'-0 1/2"
3 - C	33'-11 1/2"
3 - D	22'-7 1/2"
3 - E	37'-2 1/4"
3 - F	44'-11 1/2"
3 - G	28'-7"
3 - H	21'-0 1/2"

4 - A	22'-4 1/2"
4 - B	25'-0 3/4"
4 - C	36'-9 1/4"
4 - D	26'-8 1/4"
4 - E	15'-7 1/2"
4 - F	10'-9 1/2"
4 - G	44'-4 3/4"
4 - H	28'-3 3/4"



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

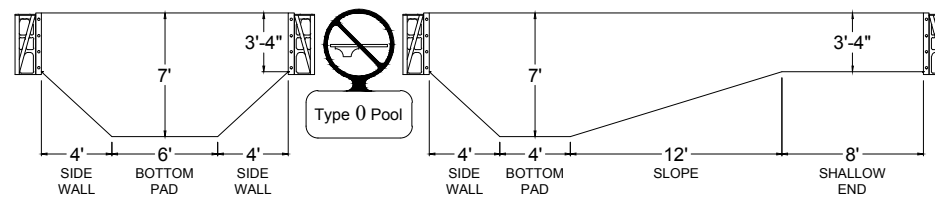
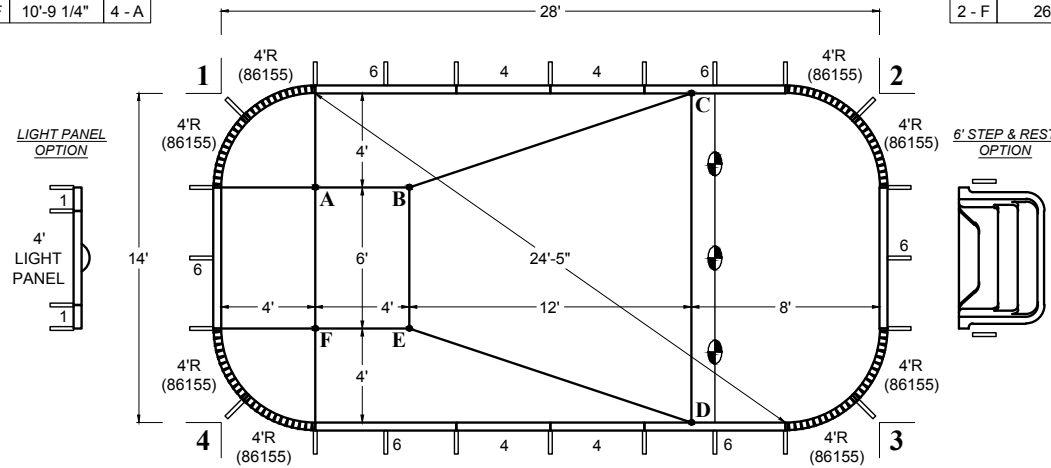
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS RECTANGLE
14' x 28'

1 - A	5'-8"	4 - F
1 - B	8'-11 1/4"	4 - E
1 - C	20'	4 - D
1 - D	24'-5"	4 - C
1 - E	12'-9 3/4"	4 - B
1 - F	10'-9 1/4"	4 - A

1 - 3	31'-3 3/4"
2 - 4	

2 - A	24'-4"	3 - F
2 - B	20'-4 3/4"	3 - E
2 - C	8'	3 - D
2 - D	16'-1 1/2"	3 - C
2 - E	22'-4 1/4"	3 - B
2 - F	26'	3 - A



POOL SURFACE AREA	→ 378.3 ft ²	LINER SQ. FT.	→ 392.00 ft ²
	→ 35.1 m ²		
POOL VOLUME	→ 11550 gal	POOL PERIMETER	→ 77'-2"
	→ 43700 L			→ 23.52 m

NO DIVING ALLOWED IN THIS POOL



		ITEM DESCRIPTION	PART #
		1' PLAIN PANEL	42101
3	3	4' PLAIN PANEL	42106
1	1	4' SKIMMER PANEL	42106S
5	6	6' PLAIN PANEL w/ RETURN	42107
8	8	VERSA-FLEX PANEL	42115
8	8	4' RADIUS STRAP SET	86155S
208	208	PUSH NUTS	09115
23	24	BRACE SYSTEM COMPLETE	42146
1		6' STEP & REST	07416SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

JANUARY
2013

MATRIX
POOL SYSTEM

4' RADIUS RECTANGLE
16' x 32'

POOL SURFACE AREA	498.3 ft ² 46.3 m ²	LINER SQ. FT.	512.00 ft ²
POOL VOLUME	17200 gal 65100 L	POOL PERIMETER	89'-2" 27.18 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' STRAIGHT STEP
NO STEP

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
VERSA-FLEX PANEL	42115
4' RADIUS STRAP SET	86155S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

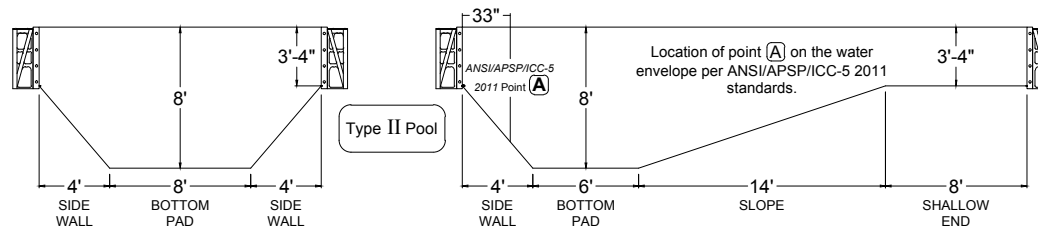
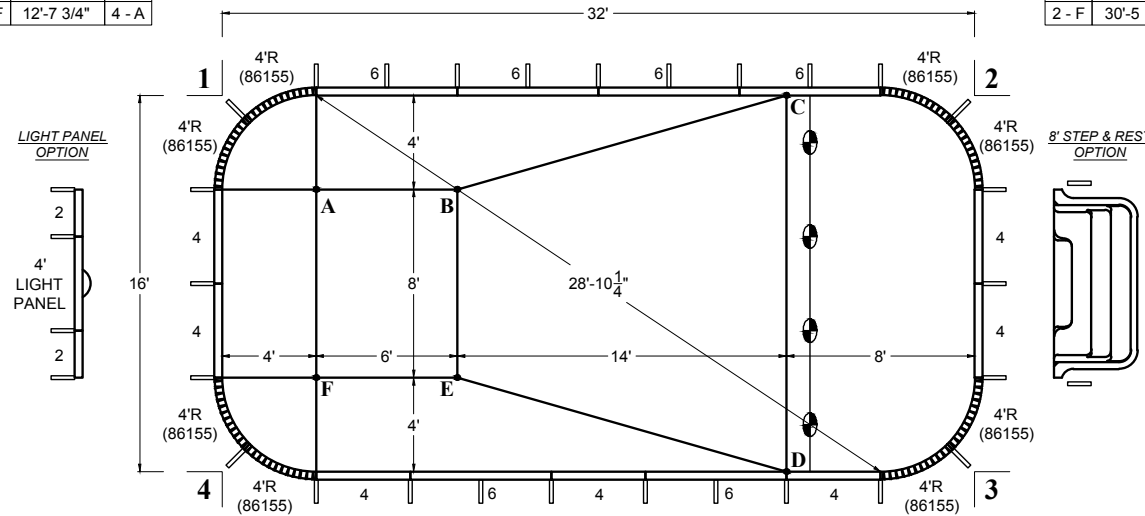
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	15'-7 1/2"	4 - B
1 - F	12'-7 3/4"	4 - A

1 - 3	35'-9 1/4"
2 - 4	

2 - A	28'-3 1/2"	3 - F
2 - B	22'-4 1/4"	3 - E
2 - C	8'	3 - D
2 - D	17'-10 3/4"	3 - C
2 - E	25'-0 3/4"	3 - B
2 - F	30'-5 1/2"	3 - A



Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

4' RADIUS RECTANGLE
16' x 36'

POOL SURFACE AREA	→ 562.3 ft ² 52.2 m ²	LINER SQ. FT.	→ 576.00 ft ²
POOL VOLUME	→ 18550 gal 70200 L	POOL PERIMETER	→ 97'-2" 29.62 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

6' SIDE STEP
8' STRAIGHT STEP
NO STEP

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
VERSA-FLEX PANEL	42115
4' RADIUS STRAP SET	86155S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
6' STEP & REST	07416SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

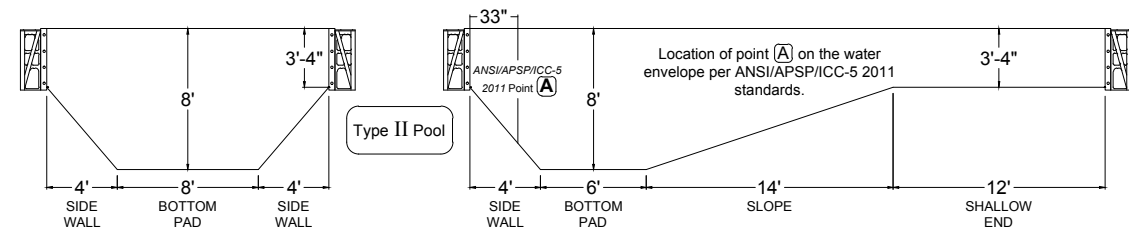
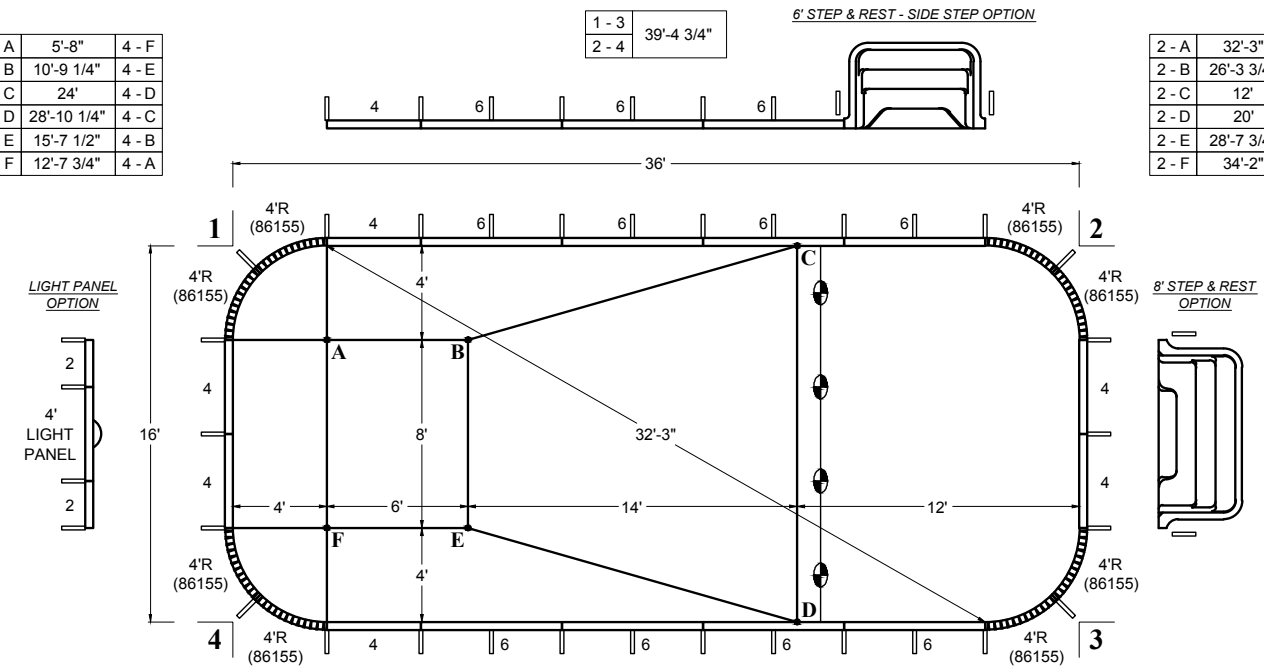
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	15'-7 1/2"	4 - B
1 - F	12'-7 3/4"	4 - A

1 - 3	39'-4 3/4"
2 - 4	

2 - A	32'-3"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	20'	3 - C
2 - E	28'-7 3/4"	3 - B
2 - F	34'-2"	3 - A



JANUARY
2013

MATRIX
POOL SYSTEM

4' RADIUS RECTANGLE
18' x 36'

POOL SURFACE AREA	→ 634.3 ft ² 58.9 m ²	LINER SQ. FT.	→ 648.00 ft ²
POOL VOLUME	→ 21200 gal 80250 L	POOL PERIMETER	→ 101'-2"

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

6' SIDE STEP
8' STRAIGHT STEP
NO STEP

ITEM DESCRIPTION	PART #
1' PLAIN PANEL	42101
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
VERSA-FLEX PANEL	42115
4' RADIUS STRAP SET	86155S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
6' STEP & REST	07416SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

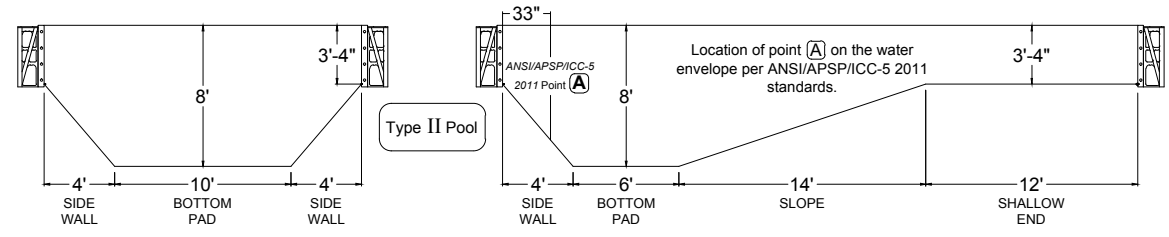
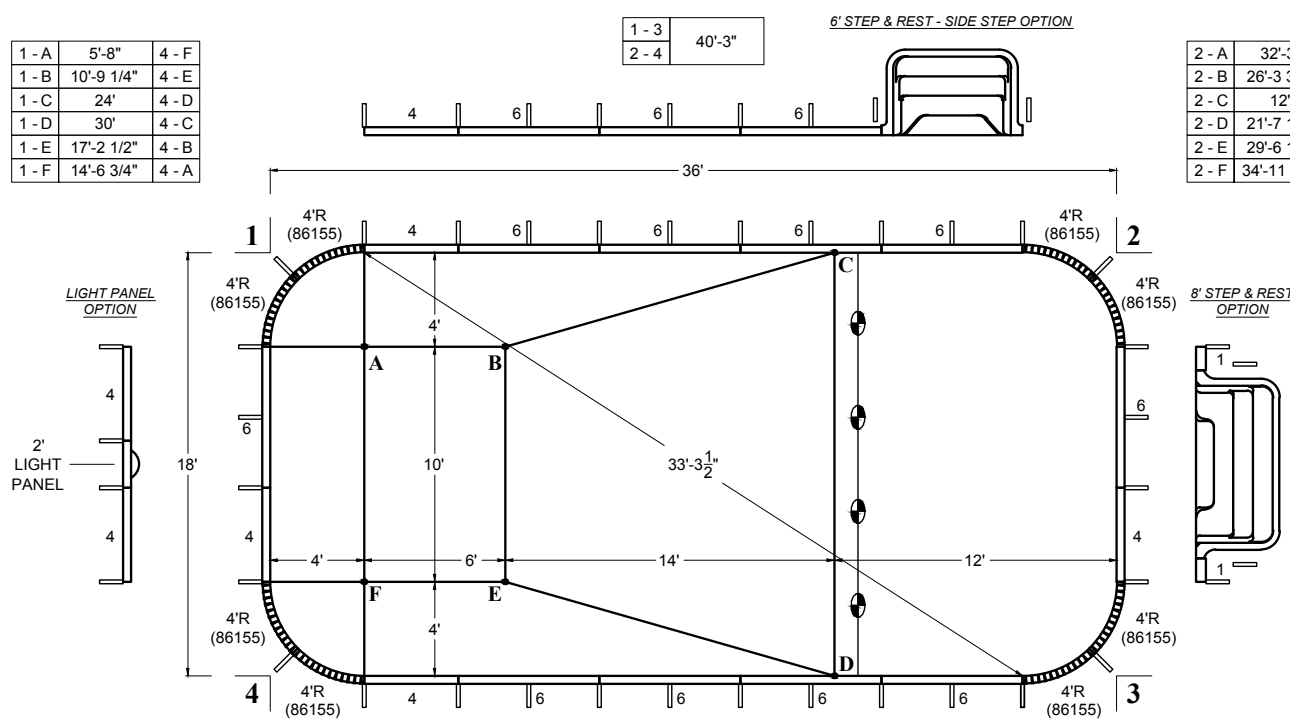
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"	4 - F
1 - B	10'-9 1/4"	4 - E
1 - C	24'	4 - D
1 - D	30'	4 - C
1 - E	17'-2 1/2"	4 - B
1 - F	14'-6 3/4"	4 - A

1 - 3	40'-3"
2 - 4	

2 - A	32'-3"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	21'-7 1/2"	3 - C
2 - E	29'-6 1/4"	3 - B
2 - F	34'-11 1/4"	3 - A



Location of point [A] on the water envelope per ANSI/APSP/ICC-5 2011 standards.

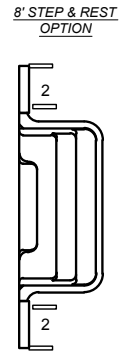
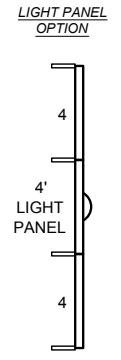
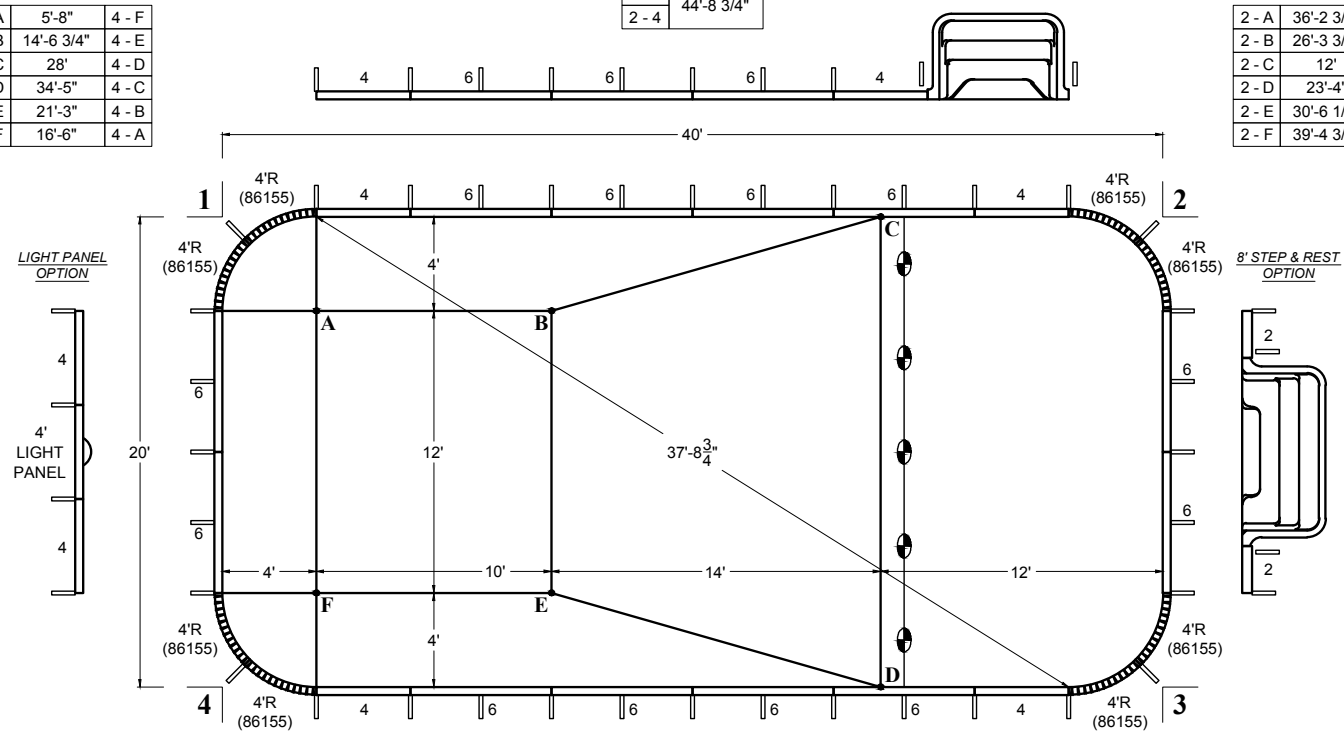
4' RADIUS RECTANGLE
20' x 40'

1 - A	5'-8"	4 - F
1 - B	14'-6 3/4"	4 - E
1 - C	28'	4 - D
1 - D	34'-5"	4 - C
1 - E	21'-3"	4 - B
1 - F	16'-6"	4 - A

1 - 3	44'-8 3/4"
2 - 4	

6' STEP & REST - SIDE STEP OPTION

2 - A	36'-2 3/4"	3 - F
2 - B	26'-3 3/4"	3 - E
2 - C	12'	3 - D
2 - D	23'-4"	3 - C
2 - E	30'-6 1/4"	3 - B
2 - F	39'-4 3/4"	3 - A

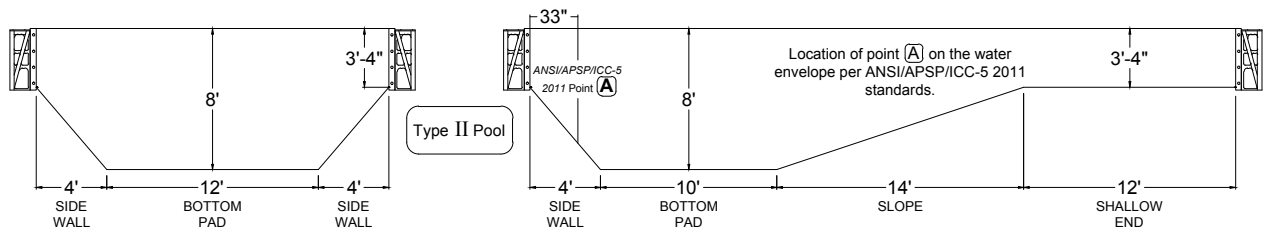


POOL SURFACE AREA	786.3 ft ²	LINER SQ. FT.	800.00 ft ²
POOL VOLUME	27600 gal	POOL PERIMETER	113'-2"
	104450 L		34.49 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

6' SIDE STEP	8' STRAIGHT STEP	NO STEP	ITEM DESCRIPTION	PART #
			2' PLAIN PANEL	42102
			4' PLAIN PANEL	42106
			4' SKIMMER PANEL	42106S
			6' PLAIN PANEL w/ RETURN	42107
			VERSA-FLEX PANEL	42115
			4' RADIUS STRAP SET	86155S
			PUSH NUTS	09115
			BRACE SYSTEM COMPLETE	42146
			8' STEP & REST	07418SNR
			6' STEP & REST	07416SNR
			3/8"-16X HEX WASHER HEAD BOLT	148838
			3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

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JANUARY
2013

MATRIX
POOL SYSTEM

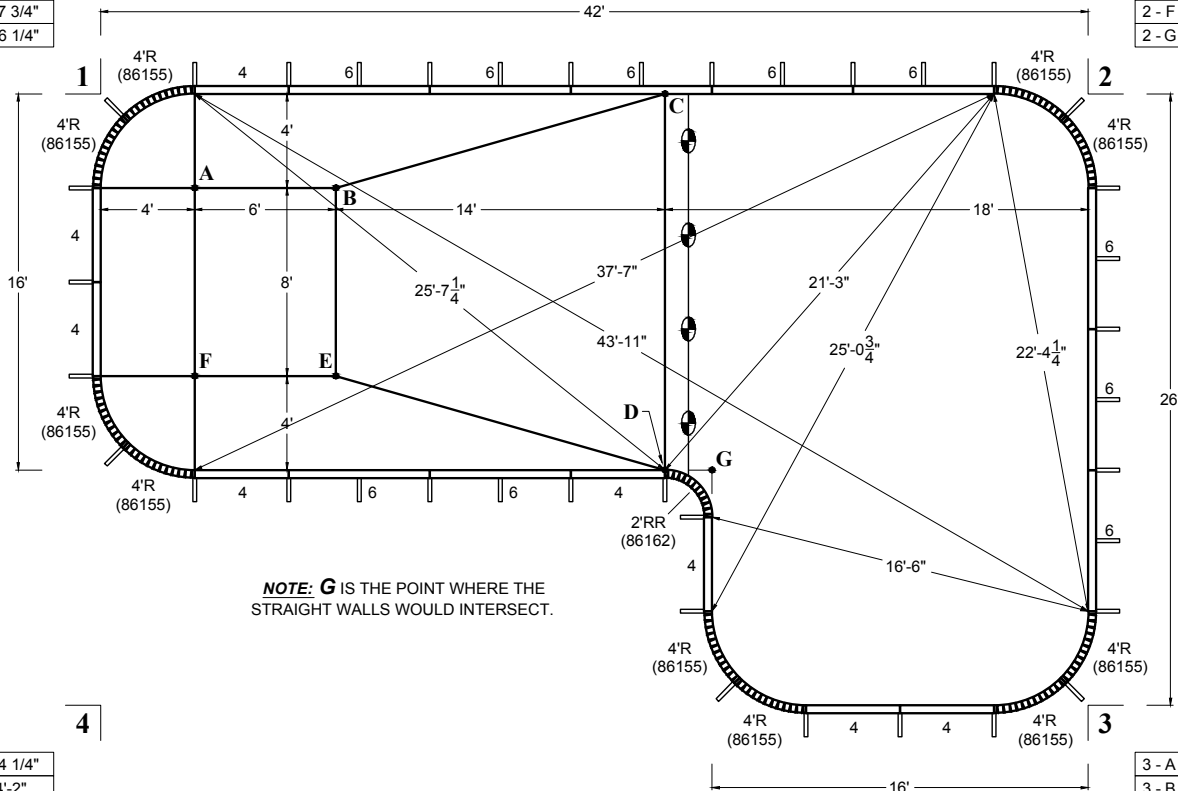
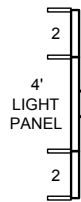
4' RADIUS 90 DEGREE EL LEFT
16' x 42' x 26'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	30'-6 1/4"

1 - 3	49'-4 3/4"
2 - 4	

2 - A	38'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	24'-1"
2 - E	34'-2"
2 - F	39'-10 1/4"
2 - G	22'-7 1/2"

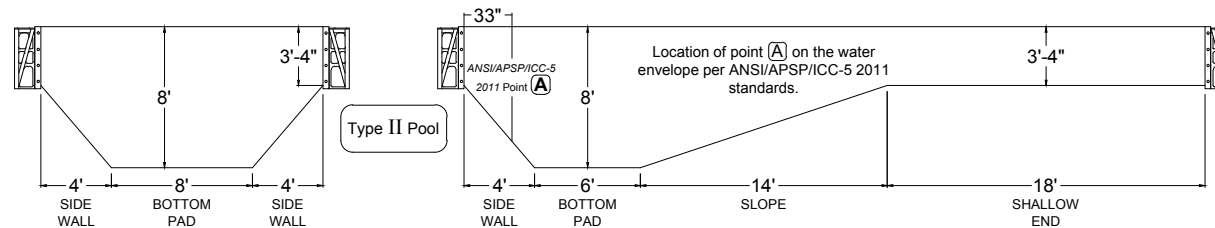
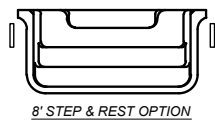
LIGHT PANEL
OPTION



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	22'-4 1/4"
4 - B	24'-2"
4 - C	35'-4 1/2"
4 - D	26'
4 - E	17'-2 1/2"
4 - F	14'-6 3/4"
4 - G	27'-10 1/4"

3 - A	43'-11"
3 - B	38'-10"
3 - C	31'-7 1/2"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	40'-6"
3 - G	18'-10 1/2"



POOL SURFACE AREA	→ 815.7 ft ²	LINER SQ. FT.	→ 832.00 ft ²
	→ 75.8 m ²		
POOL VOLUME	→ 23950 gal	POOL PERIMETER	→ 126'-7"
	→ 90650 L		→ 38.58 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
4 6 4' PLAIN PANEL	42106
2 2 4' SKIMMER PANEL	42106S
10 10 6' PLAIN PANEL w/ RETURN	42107
11 11 VERSA-FLEX PANEL	42115
1 1 2' REVERSE RADIUS STRAP SET	86162S
10 10 4' RADIUS STRAP SET	86155S
286 PUSH NUTS	09115
38 39 BRACE SYSTEM COMPLETE	42146
1 8' STEP & REST	07418SNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

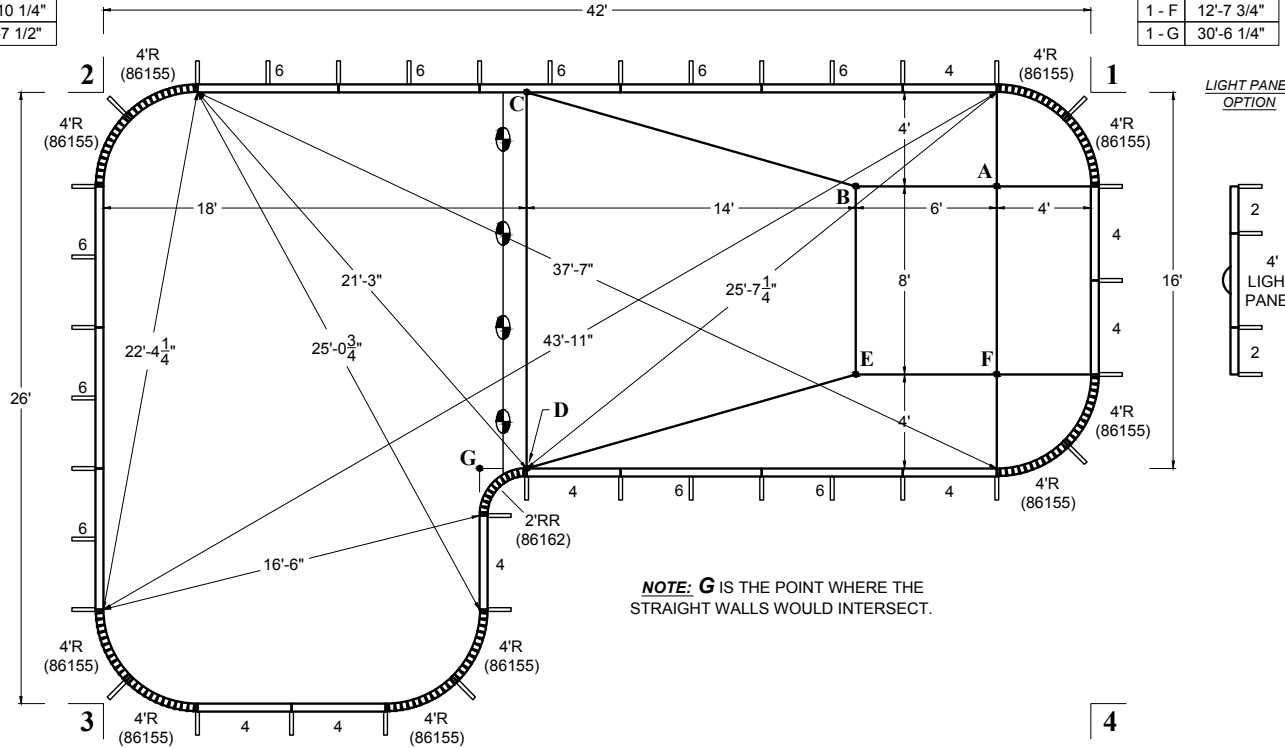
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS 90 DEGREE EL RIGHT
16' x 42' x 26'

2 - A	38'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	24'-1"
2 - E	34'-2"
2 - F	39'-10 1/4"
2 - G	22'-7 1/2"

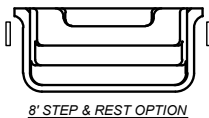
1 - 3	49'-4 3/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	30'-6 1/4"

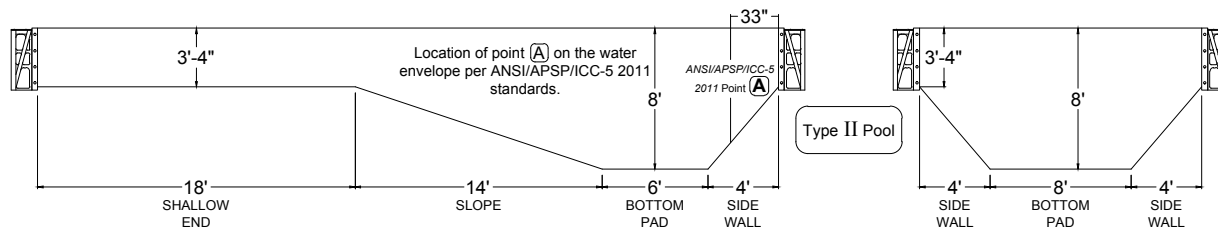


NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	43'-11"
3 - B	38'-10"
3 - C	31'-7 1/2"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	40'-6"
3 - G	18'-10 1/2"



4 - A	22'-4 1/4"
4 - B	24'-2"
4 - C	35'-4 1/2"
4 - D	26'
4 - E	17'-2 1/2"
4 - F	14'-6 3/4"
4 - G	27'-10 1/4"



POOL SURFACE AREA	815.7 ft ²	LINER SQ. FT.	832.00 ft ²
POOL VOLUME	23950 gal	POOL PERIMETER	126'-7"
	90650 L		38.58 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
VERSA-FLEX PANEL	42115
2' REVERSE RADIUS STRAP SET	86162S
4' RADIUS STRAP SET	86155S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
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JANUARY
2013

MATRIX
POOL SYSTEM

4' RADIUS 90 DEGREE EL LEFT
18' x 42' x 28'

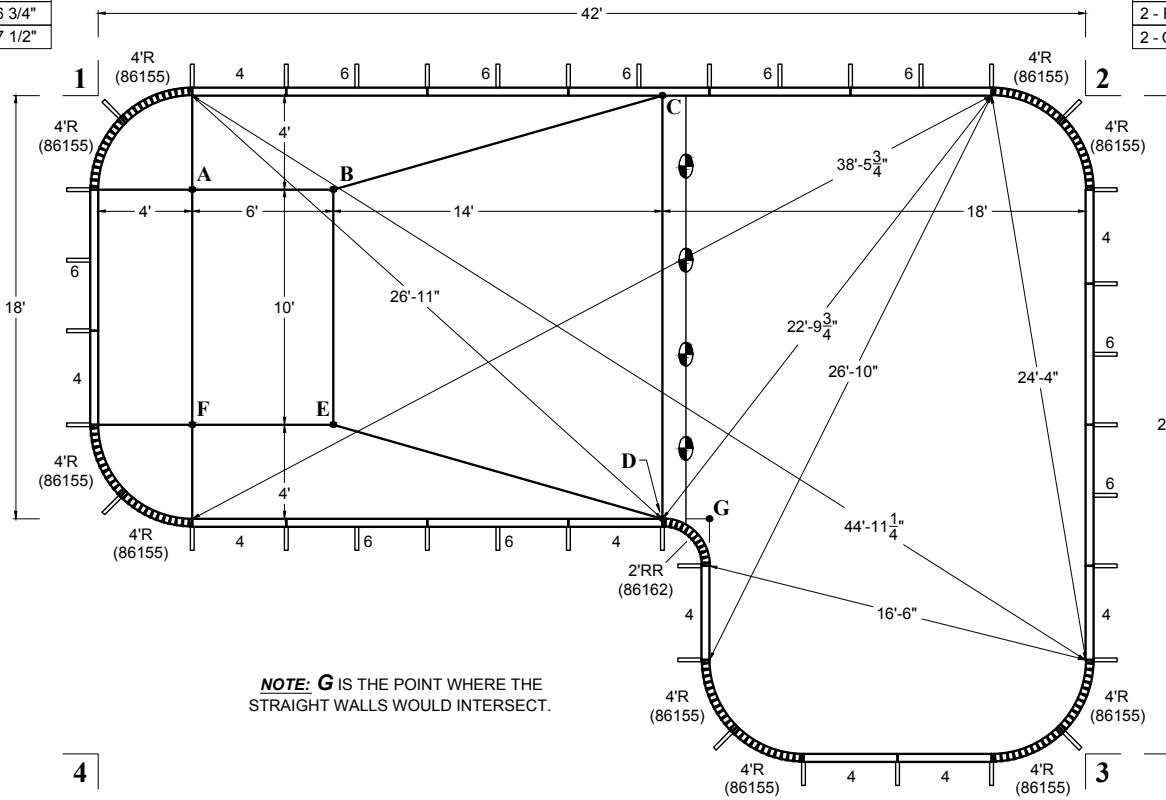
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-7 1/2"

1 - 3	50'-5 3/4"
2 - 4	

2 - A	38'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	25'-5 1/2"
2 - E	34'-11 1/4"
2 - F	40'-6"
2 - G	24'-1"

LIGHT PANEL
OPTION

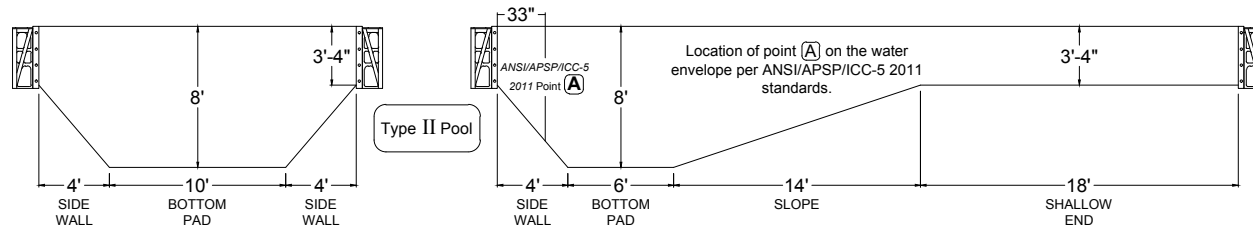
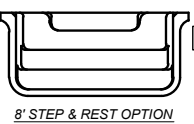
2'
LIGHT
PANEL



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	24'-4"
4 - B	26'
4 - C	36'-10 1/2"
4 - D	26'
4 - E	17'-2 1/2"
4 - F	14'-6 3/4"
4 - G	27'-10 1/4"

3 - A	44'-11 1/4"
3 - B	40'
3 - C	33'-3 1/2"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	40'-6"
3 - G	18'-10 1/2"



POOL SURFACE AREA	899.7 ft ²	LINER SQ. FT.	916.00 ft ²
POOL VOLUME	26750 gal	POOL PERIMETER	130'-7"
	101250 L		39.80 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' STRAIGHT STEP
NO STEP

ITEM DESCRIPTION	PART #
5 7 4' PLAIN PANEL	42106
2 2 4' SKIMMER PANEL	42106S
10 10 6' PLAIN PANEL w/ RETURN	42107
11 11 VERSA-FLEX PANEL	42115
1 1 2' REVERSE RADIUS STRAP SET	86162S
10 10 4' RADIUS STRAP SET	86155S
286 286 PUSH NUTS	09115
39 40 BRACE SYSTEM COMPLETE	42146
1 8' STEP & REST	07418SNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
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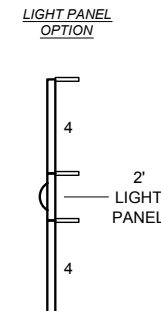
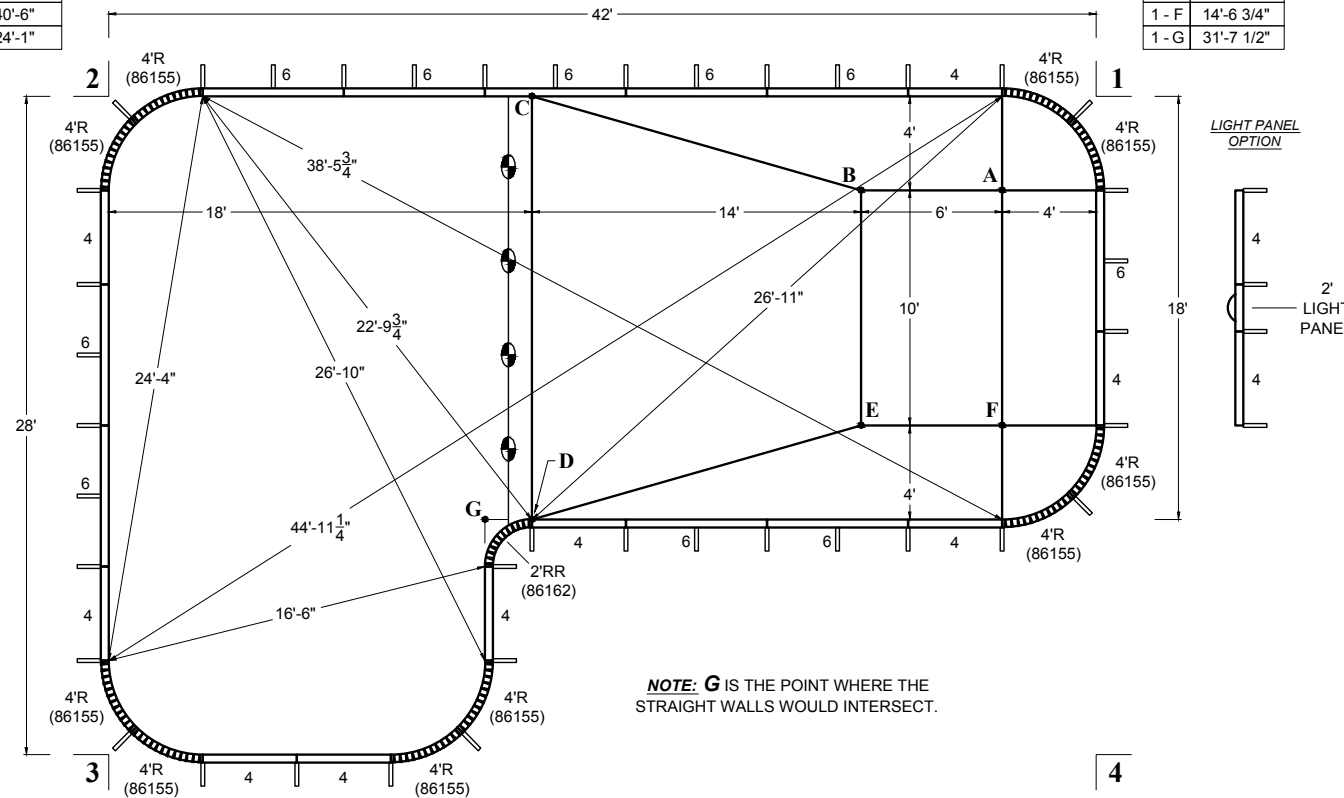
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS 90 DEGREE EL RIGHT
18' x 42' x 28'

2 - A	38'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	25'-5 1/2"
2 - E	34'-11 1/4"
2 - F	40'-6"
2 - G	24'-1"

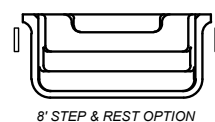
1 - 3	50'-5 3/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-7 1/2"

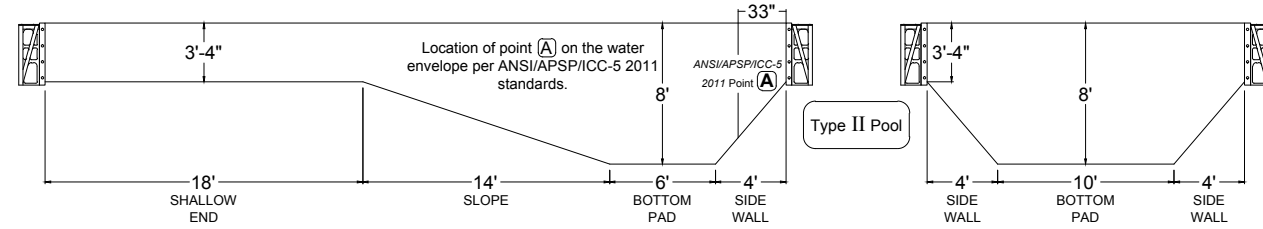


NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	44'-11 1/4"
3 - B	40'
3 - C	33'-3 1/2"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	40'-6"
3 - G	18'-10 1/2"



4 - A	24'-4"
4 - B	26'
4 - C	36'-10 1/2"
4 - D	26'
4 - E	17'-2 1/2"
4 - F	14'-6 3/4"
4 - G	27'-10 1/4"



POOL SURFACE AREA	→ 899.7 ft ²	LINER SQ. FT.	→ 916.00 ft ²
	→ 83.6 m ²		
POOL VOLUME	→ 26750 gal	POOL PERIMETER	→ 130'-7"
	→ 101250 L		→ 39.80 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' STRAIGHT STEP	NO STEP	ITEM DESCRIPTION	PART #
5	7	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
10	10	6' PLAIN PANEL w/ RETURN	42107
11	11	VERSA-FLEX PANEL	42115
1	1	2' REVERSE RADIUS STRAP SET	86162S
10	10	4' RADIUS STRAP SET	86155S
286	286	PUSH NUTS	09115
39	40	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

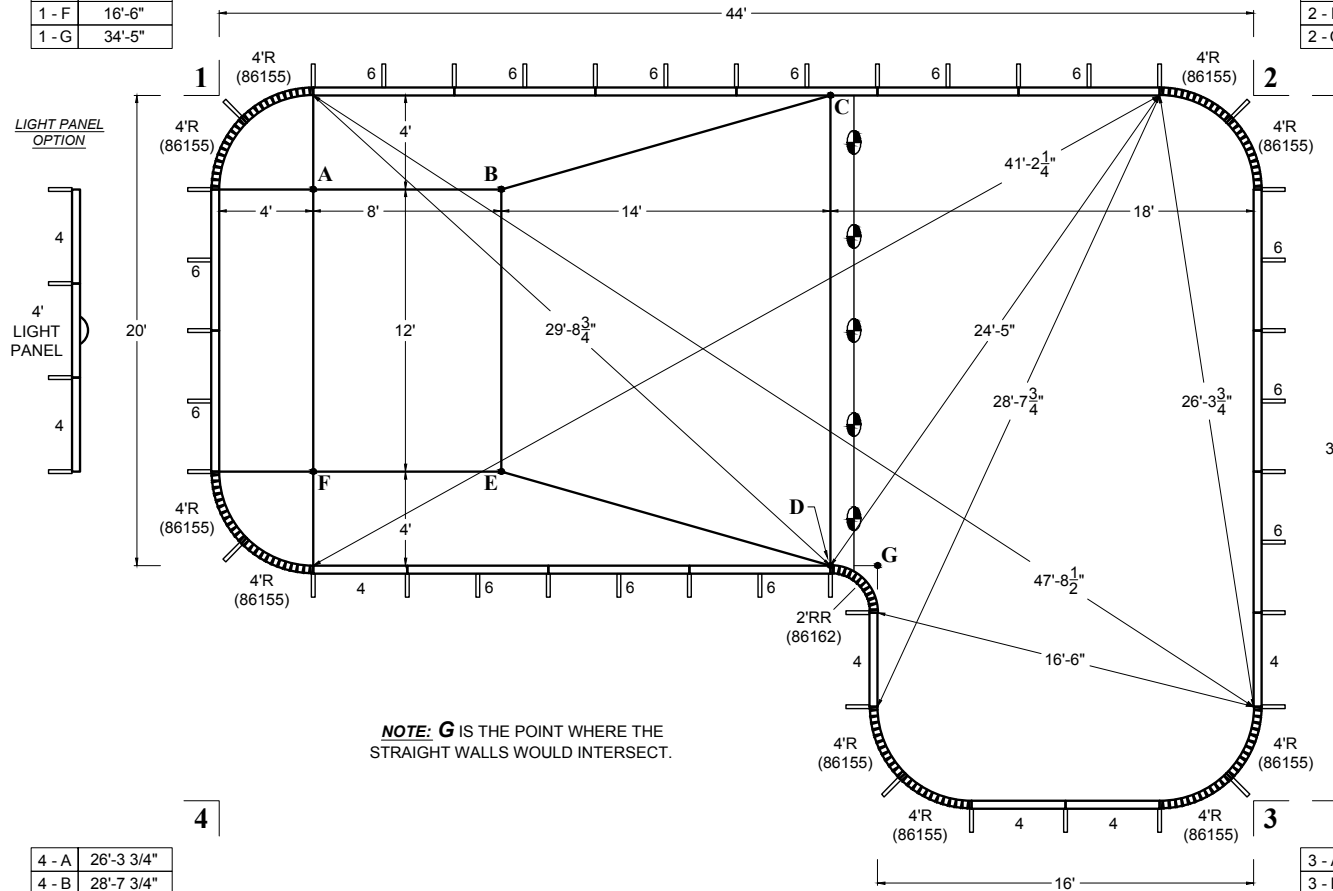
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	34'-5"

1 - 3	53'-3"
2 - 4	

2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

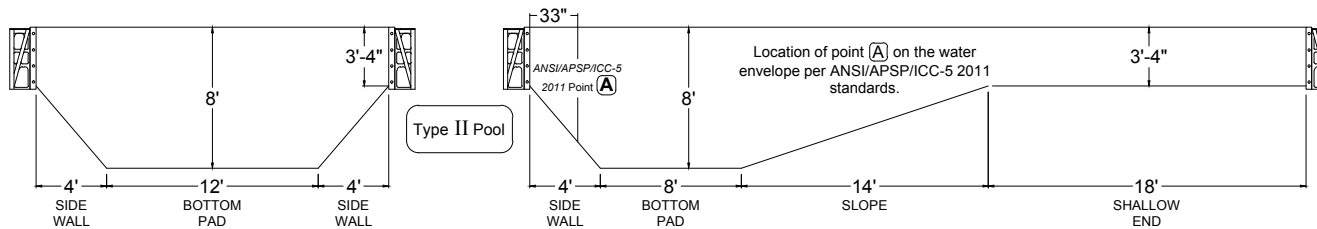
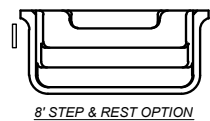
LIGHT PANEL
OPTION



NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"

3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"



JANUARY
2013

MATRIX
POOL SYSTEM

4' RADIUS 90 DEGREE EL LEFT
20' x 44' x 30'

POOL SURFACE AREA	1023.7 ft ² 95.1 m ²	LINER SQ. FT.	1040.00 ft ²
POOL VOLUME	31550 gal 119400 L	POOL PERIMETER	138'-7" 42.23 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM #	QUANTITY	ITEM DESCRIPTION	PART #
1	3	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
14	14	6' PLAIN PANEL w/ RETURN	42107
11	11	VERSA-FLEX PANEL	42115
1	1	2' REVERSE RADIUS STRAP SET	86162S
10	10	4' RADIUS STRAP SET	86155S
286	286	PUSH NUTS	09115
43	44	BRACE SYSTEM COMPLETE	42146
1	1	8' STEP & REST	07418SNR
12"		3/8"-16X HEX WASHER HEAD BOLT	148838
12"		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

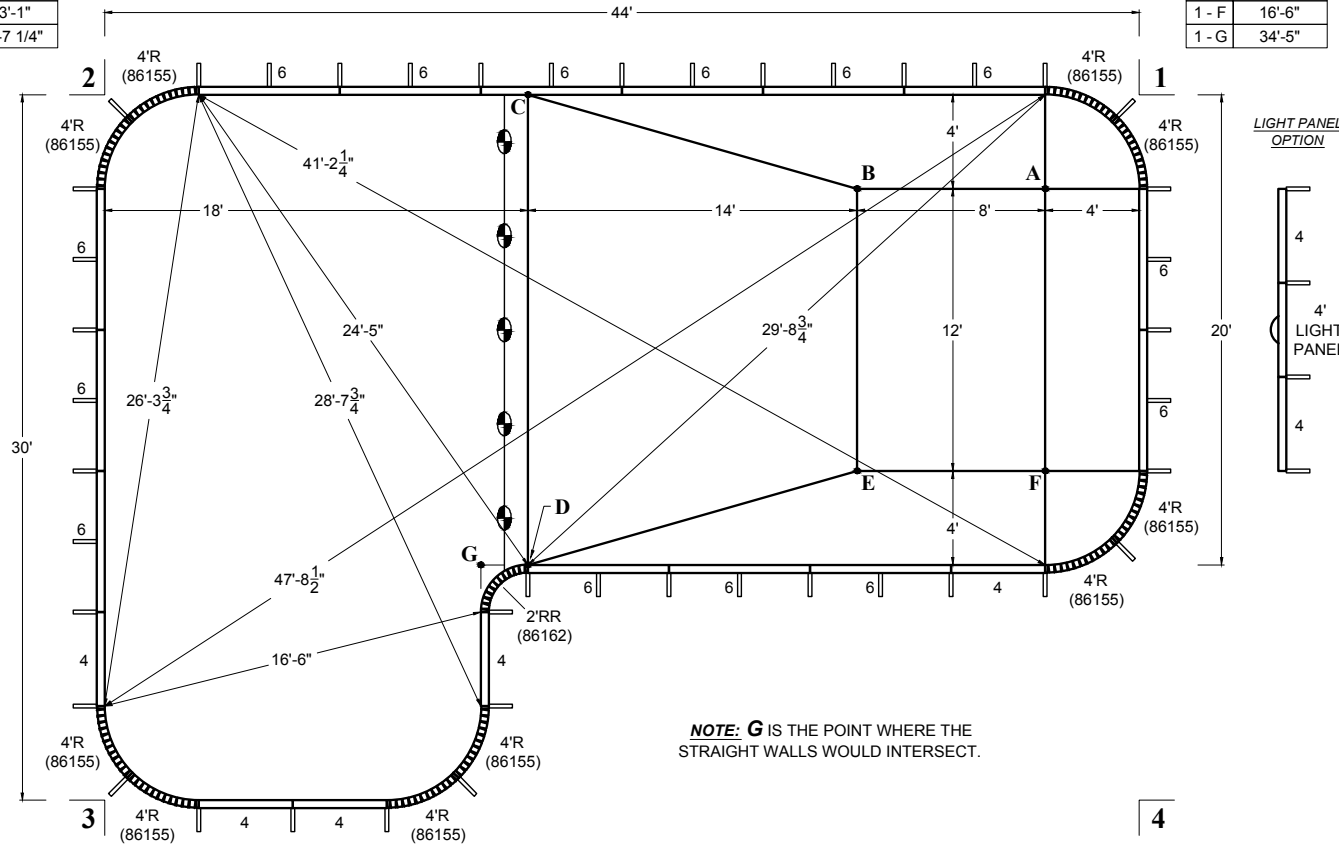
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

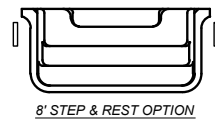
2 - A	40'-2 1/2"
2 - B	32'-3"
2 - C	18'
2 - D	26'-11"
2 - E	35'-9 1/4"
2 - F	43'-1"
2 - G	25'-7 1/4"

1 - 3	53'-3"
2 - 4	

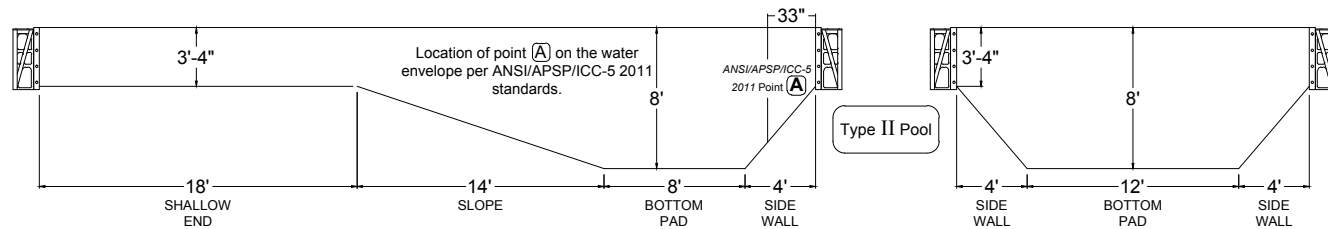
1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	34'-5"



3 - A	47'-8 1/2"
3 - B	41'-2 3/4"
3 - C	34'-11 3/4"
3 - D	20'-7"
3 - E	34'-11 1/4"
3 - F	42'-4 1/2"
3 - G	18'-10 1/2"



4 - A	26'-3 3/4"
4 - B	28'-7 3/4"
4 - C	39'-8 1/2"
4 - D	27'-10 1/4"
4 - E	18'-5 1/4"
4 - F	14'-6 3/4"
4 - G	29'-8 3/4"



JANUARY 2013

MATRIX
POOL SYSTEM

4' RADIUS 90 DEGREE EL RIGHT
20' x 44' x 30'

POOL SURFACE AREA	→ 1023.7 ft ²	LINER SQ. FT.	→ 1040.00 ft ²
POOL VOLUME	→ 31550 gal	POOL PERIMETER	→ 138'-7"
	119400 L		42.23 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 3	4' PLAIN PANEL 42106
2 2	4' SKIMMER PANEL 42106S
14 14	6' PLAIN PANEL w/ RETURN 42107
11 11	VERSA-FLEX PANEL 42115
1 1	2' REVERSE RADIUS STRAP SET 86162S
10 10	4' RADIUS STRAP SET 86155S
286 286	PUSH NUTS 09115
43 44	BRACE SYSTEM COMPLETE 42146
1	8' STEP & REST 07418SNR
12*	3/8"-16X HEX WASHER HEAD BOLT 148838
12*	3/8"-16 HEX WASHER HEAD NUT 149664
	CHANNEL-LOC SONOTUBE 86151
	4' STANDARD LIGHT PANEL 42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

4' RADIUS LAZY EL LEFT
16' x 42'

POOL SURFACE AREA	656.8 ft ² 61.0 m ²	LINER SQ. FT.	778.00 ft ²
POOL VOLUME	20550 gal 77800 L	POOL PERIMETER	108'-7" 33.10 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' STRAIGHT STEP
NO STEP

ITEM #	QUANTITY	ITEM DESCRIPTION	PART #
1	1	1' PLAIN PANEL	42101
		2' PLAIN PANEL	42102
1	1	3' PLAIN PANEL	42108
3	5	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
7	7	6' PLAIN PANEL w/ RETURN	42107
2	2	8' RADIUS PANEL	42111
9	9	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
8	8	4' RADIUS STRAP SET	86155S
234	234	PUSH NUTS	09115
33	34	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12"		3/8"-16X HEX WASHER HEAD BOLT	148838
12"		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

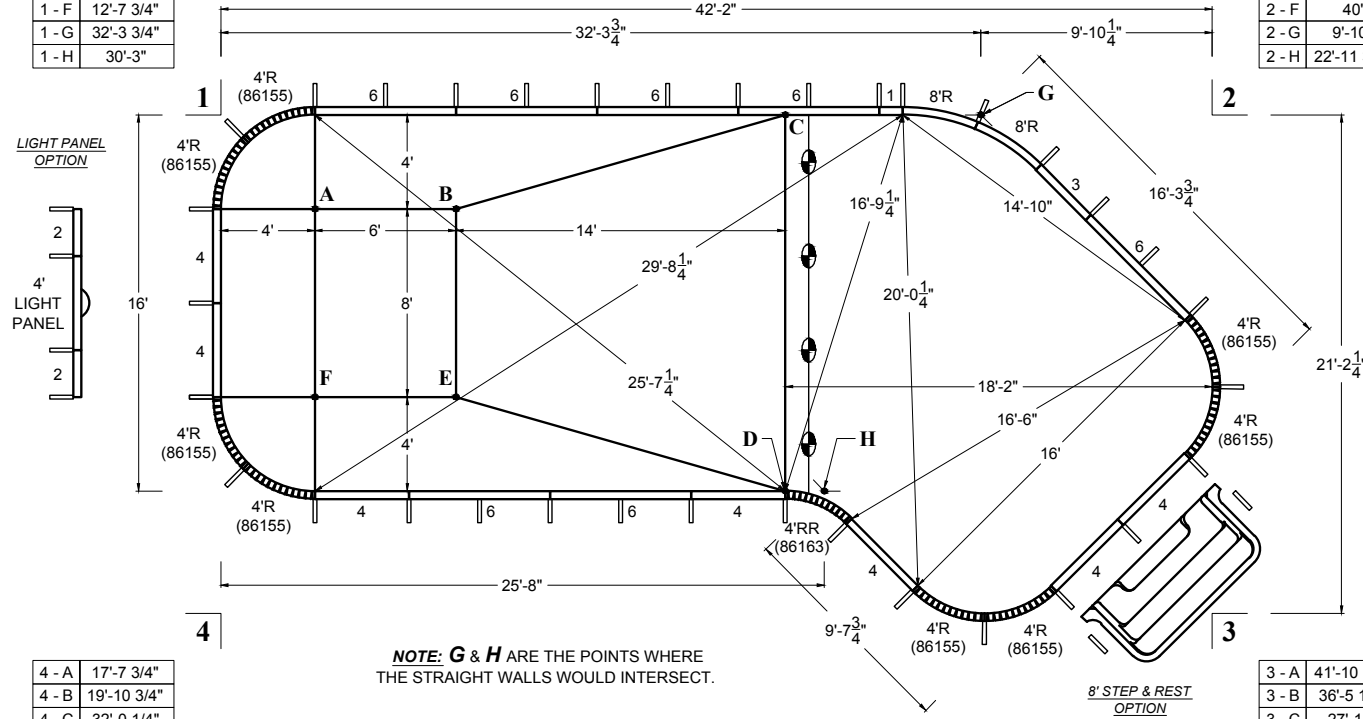
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"

1 - 3	47'-2 1/4"
2 - 4	

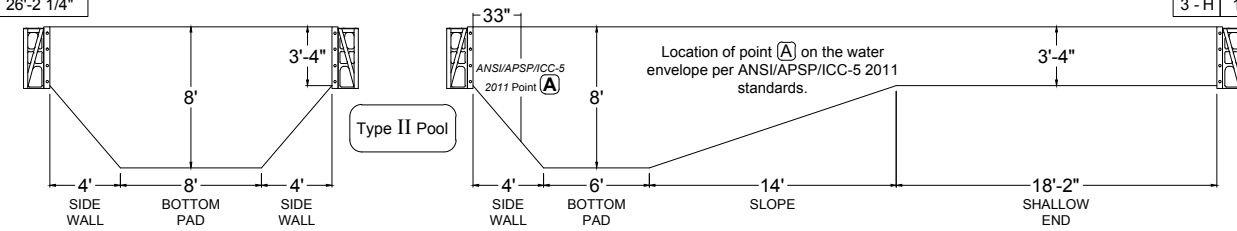
2 - A	38'-4 1/2"
2 - B	32'-5"
2 - C	18'-2"
2 - D	24'-2 1/2"
2 - E	34'-4"
2 - F	40'
2 - G	9'-10"
2 - H	22'-11 3/4"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	17'-7 3/4"
4 - B	19'-10 3/4"
4 - C	32'-0 1/4"
4 - D	24'-6 3/4"
4 - E	13'-7"
4 - F	10'-0 1/4"
4 - G	38'-7 3/4"
4 - H	26'-2 1/4"

3 - A	41'-10 1/4"
3 - B	36'-5 1/2"
3 - C	27'-11"
3 - D	18'-10 3/4"
3 - E	33'-5 1/4"
3 - F	39'-3"
3 - G	23'-4 1/4"
3 - H	17'-3 1/2"



4' RADIUS LAZY EL RIGHT
16' x 42'

POOL SURFACE AREA	→ 656.8 ft ²	LINER SQ. FT.	→ 778.00 ft ²
POOL VOLUME	→ 20550 gal	POOL PERIMETER	→ 108'-7"
	77800 L		33.10 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM	DESCRIPTION	PART #
1	1' PLAIN PANEL	42101
2	2' PLAIN PANEL	42102
3	3' PLAIN PANEL	42108
4	4' PLAIN PANEL	42106
5	4' SKIMMER PANEL	42106S
6	6' PLAIN PANEL w/ RETURN	42107
7	8' RADIUS PANEL	42111
8	VERSA-FLEX PANEL	42115
9	4' REVERSE RADIUS STRAP SET	86163S
10	4' RADIUS STRAP SET	86155S
11	PUSH NUTS	09115
12	BRACE SYSTEM COMPLETE	42146
13	8' STEP & REST	07418SNR
14	3/8"-16X HEX WASHER HEAD BOLT	148838
15	3/8"-16 HEX WASHER HEAD NUT	149664
16	CHANNEL-LOC SONOTUBE	86151
17	4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

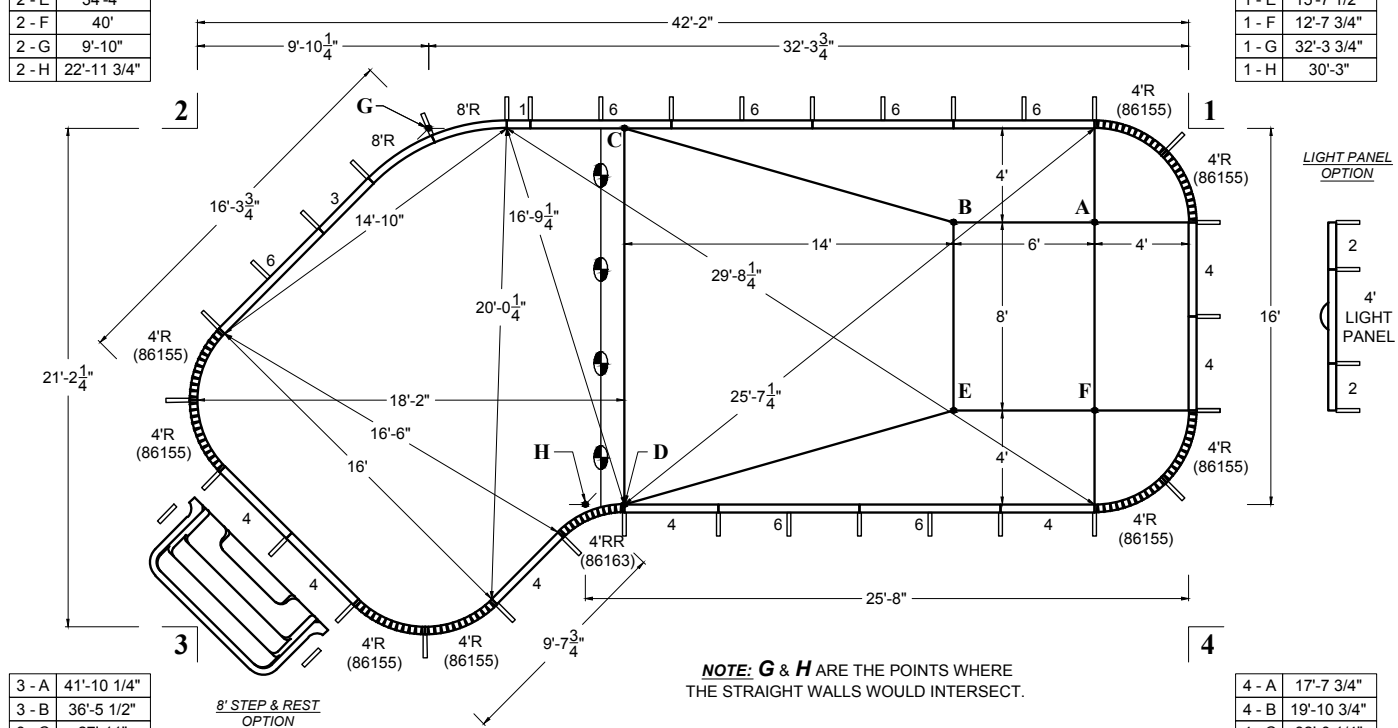
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	38'-4 1/2"
2 - B	32'-5"
2 - C	18'-2"
2 - D	24'-2 1/2"
2 - E	34'-4"
2 - F	40'
2 - G	9'-10"
2 - H	22'-11 3/4"

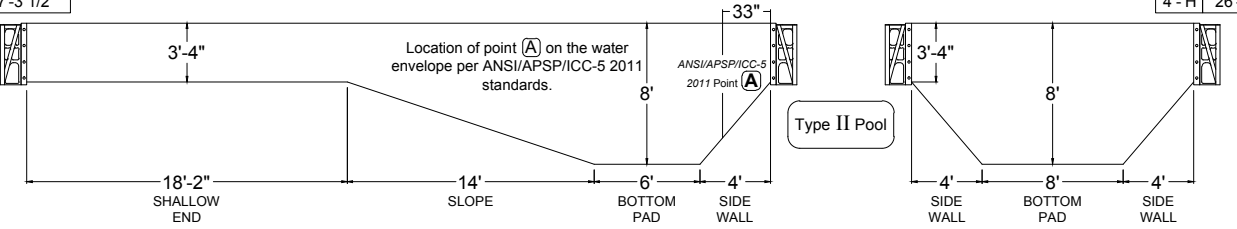
1 - 3	47'-2 1/4"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	28'-10 1/4"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	32'-3 3/4"
1 - H	30'-3"



3 - A	41'-10 1/4"
3 - B	36'-5 1/2"
3 - C	27'-11"
3 - D	18'-10 3/4"
3 - E	33'-5 1/4"
3 - F	39'-3"
3 - G	23'-4 1/4"
3 - H	17'-3 1/2"

4 - A	17'-7 3/4"
4 - B	19'-10 3/4"
4 - C	32'-0 1/4"
4 - D	24'-6 3/4"
4 - E	13'-7"
4 - F	10'-0 1/4"
4 - G	38'-7 3/4"
4 - H	26'-2 1/4"



JANUARY
2013

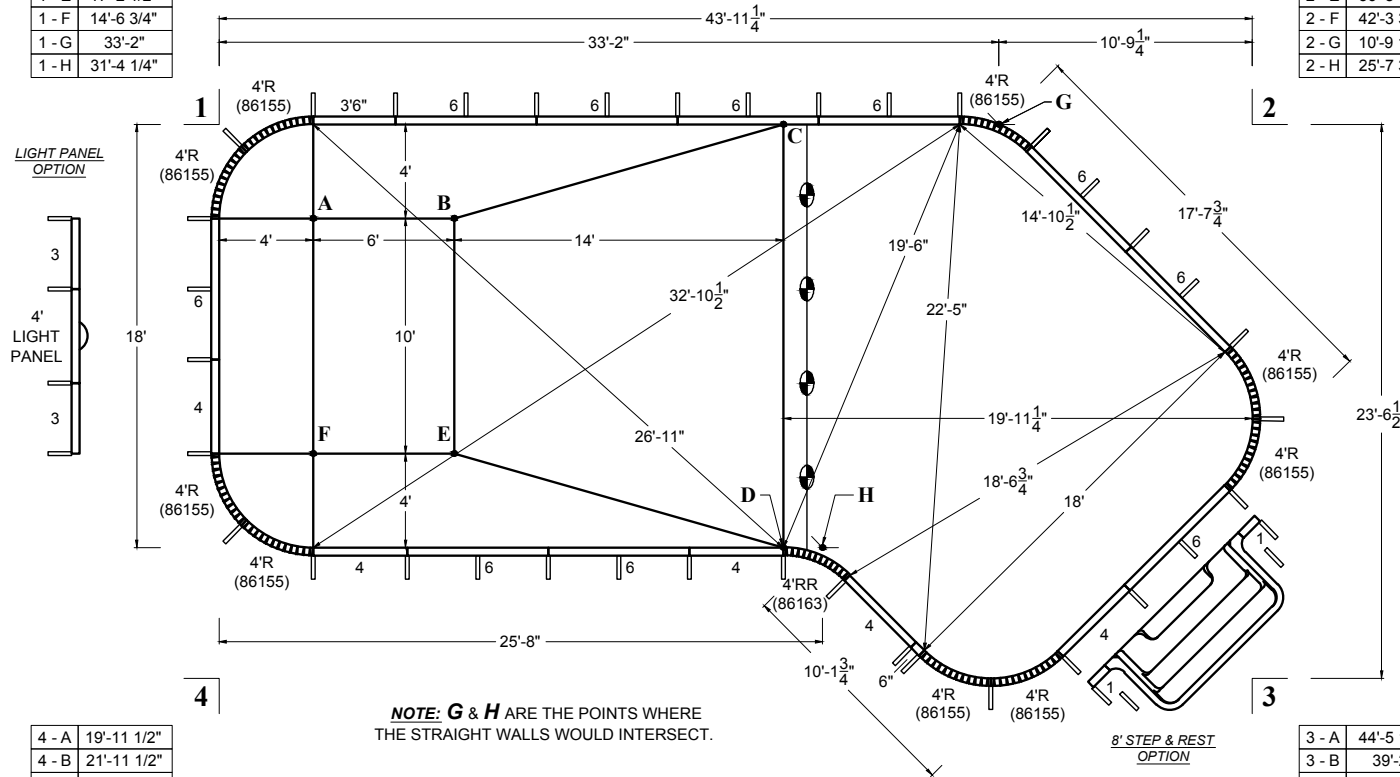
MATRIX
POOL SYSTEM

4' RADIUS LAZY EL LEFT
18' x 44'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"

1 - 3	49'-10 1/4"
2 - 4	

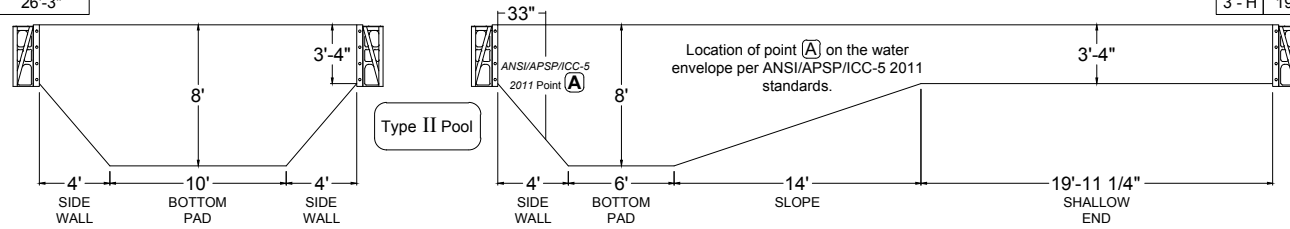
2 - A	40'-1 3/4"
2 - B	34'-2"
2 - C	19'-11 1/4"
2 - D	26'-10 1/4"
2 - E	36'-8 1/2"
2 - F	42'-3 3/4"
2 - G	10'-9 1/4"
2 - H	25'-7 3/4"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	19'-11 1/2"
4 - B	21'-11 1/2"
4 - C	33'-7 1/2"
4 - D	24'-7 1/2"
4 - E	13'-10"
4 - F	10'-4 1/4"
4 - G	40'-8"
4 - H	26'-3"

3 - A	44'-5 1/2"
3 - B	39'-2"
3 - C	30'-10 1/4"
3 - D	20'-8 1/4"
3 - E	35'-3"
3 - F	41'-0 3/4"
3 - G	25'-10 3/4"
3 - H	19'-1 1/4"



POOL SURFACE AREA	765.9 ft ²	LINER SQ. FT.	914.6250 ft ²
POOL VOLUME	23900 gal	POOL PERIMETER	115'-5"
	90450 L		35.18 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 1 6" PLAIN PANEL	42100
2 1' PLAIN PANEL	42101
3' PLAIN PANEL	42108
1 1 3'6" PLAIN PANEL	42105
2 3 4' PLAIN PANEL	42106
2 2 4' SKIMMER PANEL	42106S
9 10 6' PLAIN PANEL w/ RETURN	42107
10 10 VERSA-FLEX PANEL	42115
1 1 4' REVERSE RADIUS STRAP SET	86163S
9 9 4' RADIUS STRAP SET	86155S
260 260 PUSH NUTS	09115
37 37 BRACE SYSTEM COMPLETE	42146
1 8' STEP & REST	07418SNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS LAZY EL RIGHT
18' x 44'

POOL SURFACE AREA	→ 765.9 ft ²	LINER SQ. FT.	→ 914.6250 ft ²
POOL VOLUME	→ 23900 gal	POOL PERIMETER	→ 115'-5"
	71.1 m ²		35.18 m

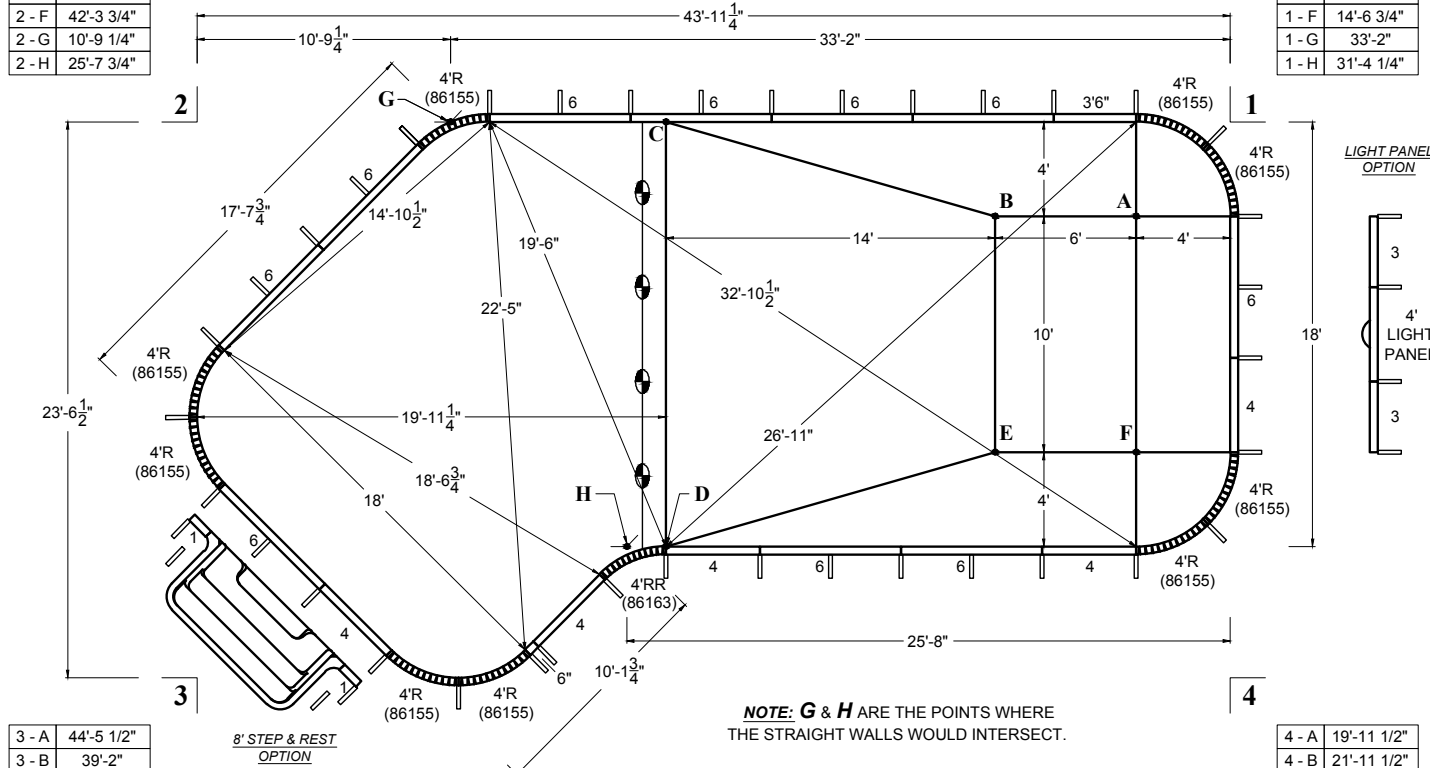
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' STRAIGHT STEP	NO STEP	ITEM DESCRIPTION	PART #
1	1	6" PLAIN PANEL	42100
2		1' PLAIN PANEL	42101
		3' PLAIN PANEL	42108
1	1	3'6" PLAIN PANEL	42105
2	3	4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
9	10	6' PLAIN PANEL w/ RETURN	42107
10	10	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
9	9	4' RADIUS STRAP SET	86155S
260	260	PUSH NUTS	09115
37	37	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

2 - A	40'-1 3/4"
2 - B	34'-2"
2 - C	19'-11 1/4"
2 - D	26'-10 1/4"
2 - E	36'-8 1/2"
2 - F	42'-3 3/4"
2 - G	10'-9 1/4"
2 - H	25'-7 3/4"

1 - 3	49'-10 1/4"
2 - 4	

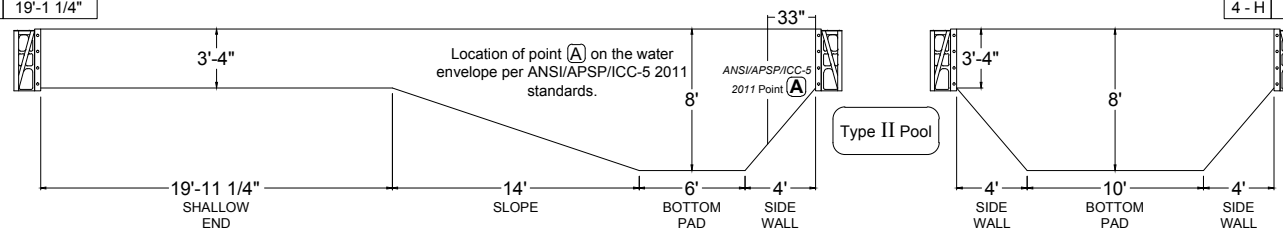
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	33'-2"
1 - H	31'-4 1/4"



3 - A	44'-5 1/2"
3 - B	39'-2"
3 - C	30'-10 1/4"
3 - D	20'-8 1/4"
3 - E	35'-3"
3 - F	41'-0 3/4"
3 - G	25'-10 3/4"
3 - H	19'-1 1/4"

4 - A	19'-11 1/2"
4 - B	21'-11 1/2"
4 - C	33'-7 1/2"
4 - D	24'-7 1/2"
4 - E	13'-10"
4 - F	10'-4 1/4"
4 - G	40'-8"
4 - H	26'-3"

NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.



* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

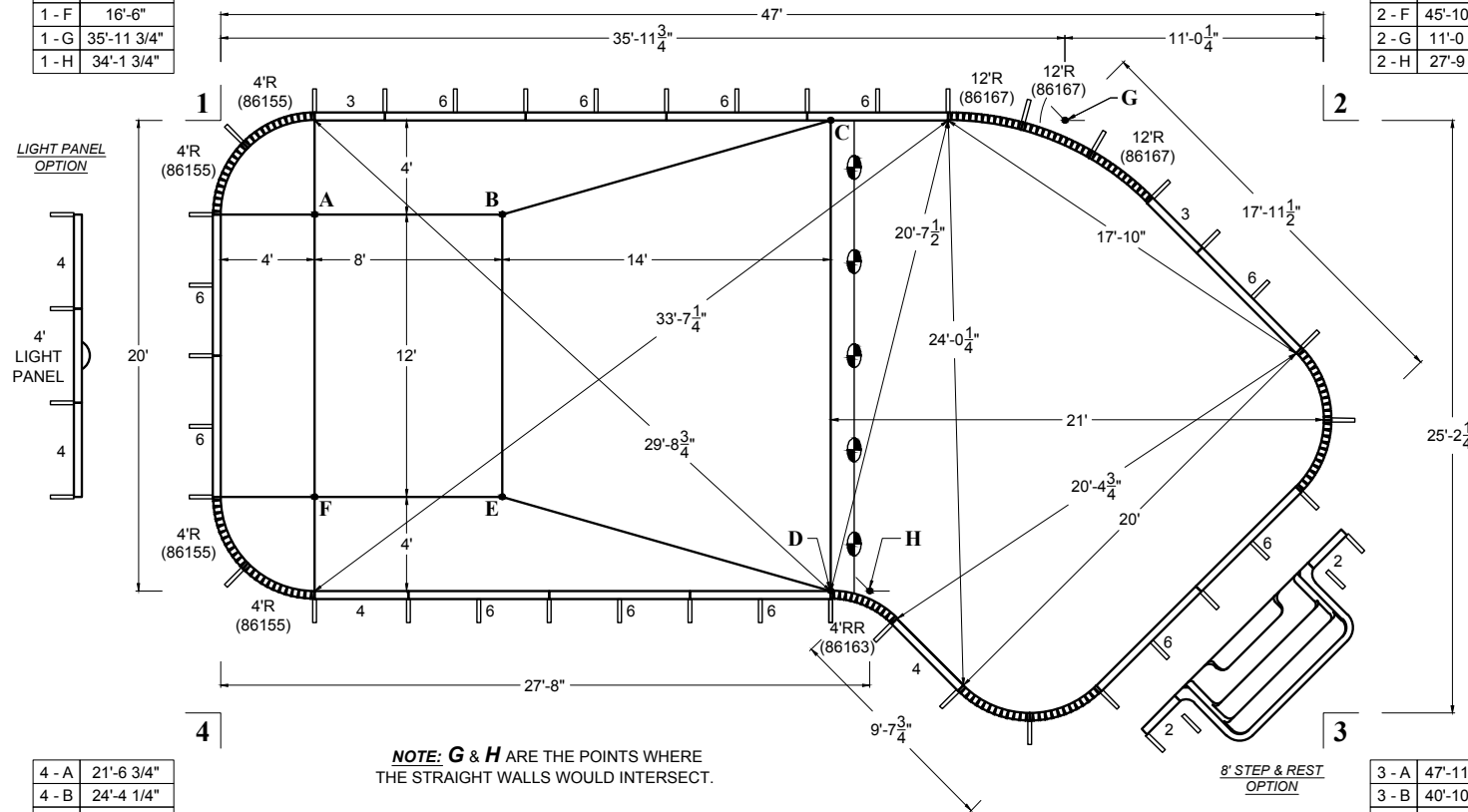
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS LAZY EL LEFT
20' x 47'

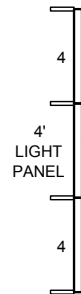
1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26'
1 - D	32'-9 3/4"
1 - E	20'
1 - F	16'-6"
1 - G	35'-11 3/4"
1 - H	34'-1 3/4"

1 - 3	53'-3 3/4"
2 - 4	

2 - A	43'-2 1/4"
2 - B	35'-2 3/4"
2 - C	21'
2 - D	29'
2 - E	38'-5 3/4"
2 - F	45'-10 1/2"
2 - G	11'-0 1/4"
2 - H	27'-9 3/4"



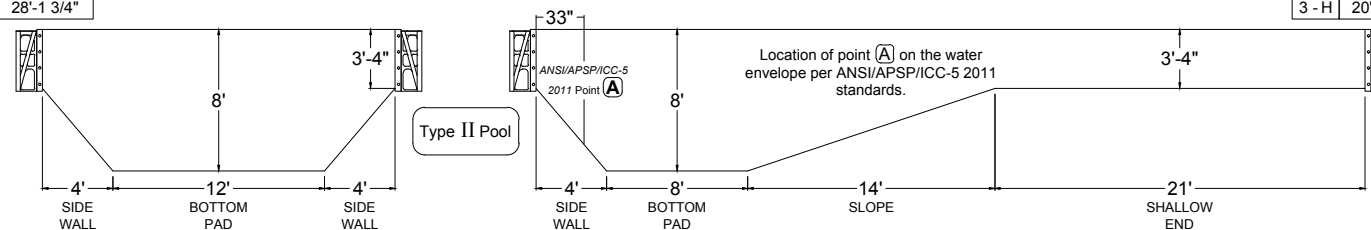
LIGHT PANEL
OPTION



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

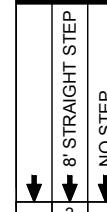
4 - A	21'-6 3/4"
4 - B	24'-4 1/4"
4 - C	36'-2 1/2"
4 - D	26'-6 1/4"
4 - E	15'-1 1/4"
4 - F	10'-0 1/4"
4 - G	43'-11"
4 - H	28'-1 3/4"

3 - A	47'-11 1/4"
3 - B	40'-10 3/4"
3 - C	32'-9 1/2"
3 - D	21'-7 1/2"
3 - E	36'-2 1/4"
3 - F	43'-11 1/2"
3 - G	27'-5 3/4"
3 - H	20'-0 1/4"



POOL SURFACE AREA	896.1 ft ²	LINER SQ. FT.	1078.75 ft ²
POOL VOLUME	28900 gal	POOL PERIMETER	123'-9"
	109400 L		37.72 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
3' PLAIN PANEL	42108
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
VERSA-FLEX PANEL	42115
4' REVERSE RADIUS STRAP SET	86163S
4' RADIUS STRAP SET	86155S
12' RADIUS STRAP SET	86167S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

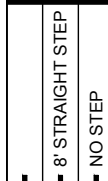
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

4' RADIUS LAZY EL RIGHT
20' x 47'

POOL SURFACE AREA	896.1 ft ²	LINER SQ. FT.	1078.75 ft ²
POOL VOLUME	28900 gal	POOL PERIMETER	123'-9"
	109400 L		37.72 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



ITEM DESCRIPTION	PART #		
2	2	2' PLAIN PANEL	42102
2	2	3' PLAIN PANEL	42108
		4' PLAIN PANEL	42106
2	2	4' SKIMMER PANEL	42106S
10	12	6' PLAIN PANEL w/ RETURN	42107
12	12	VERSA-FLEX PANEL	42115
1	1	4' REVERSE RADIUS STRAP SET	86163S
8	8	4' RADIUS STRAP SET	86155S
3	3	12' RADIUS STRAP SET	86167S
312	312	PUSH NUTS	09115
39	40	BRACE SYSTEM COMPLETE	42146
1		8' STEP & REST	07418SNR
12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*		3/8"-16 HEX WASHER HEAD NUT	149664
		CHANNEL-LOC SONOTUBE	86151
		4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

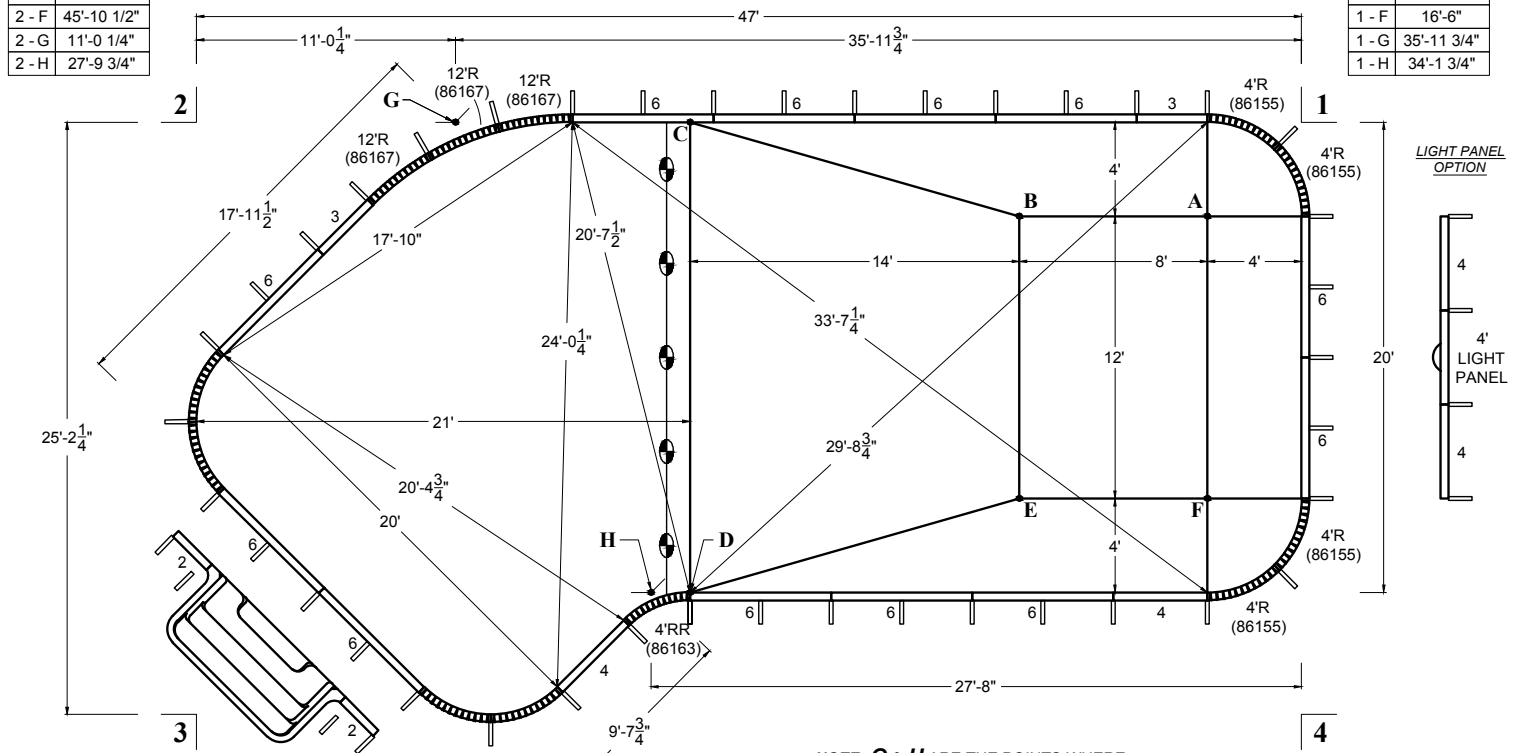
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	43'-2 1/4"
2 - B	35'-2 3/4"
2 - C	21'
2 - D	29'
2 - E	38'-5 3/4"
2 - F	45'-10 1/2"
2 - G	11'-0 1/4"
2 - H	27'-9 3/4"

1 - 3	53'-3 3/4"
2 - 4	

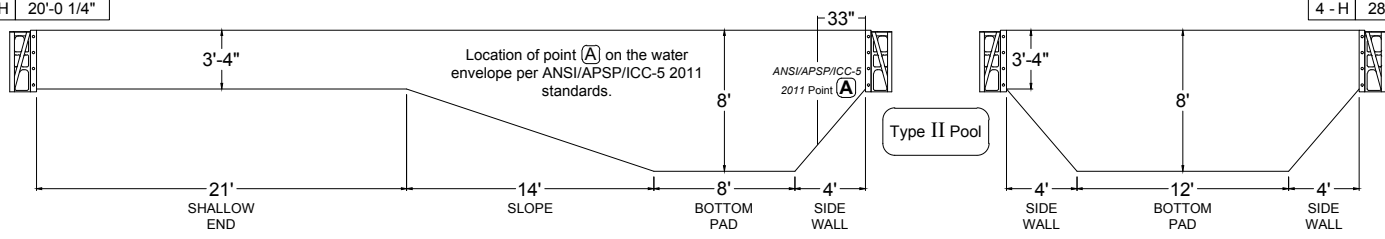
1 - A	5'-8"
1 - B	12'-7 3/4"
1 - C	26"
1 - D	32'-9 3/4"
1 - E	20"
1 - F	16'-6"
1 - G	35'-11 3/4"
1 - H	34'-1 3/4"



NOTE: G & H ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

3 - A	47'-11 1/4"
3 - B	40'-10 3/4"
3 - C	32'-9 1/2"
3 - D	21'-7 1/2"
3 - E	36'-2 1/4"
3 - F	43'-11 1/2"
3 - G	27'-5 3/4"
3 - H	20'-0 1/4"

4 - A	21'-6 3/4"
4 - B	24'-4 1/4"
4 - C	36'-2 1/2"
4 - D	26'-6 1/4"
4 - E	15'-1 1/4"
4 - F	10'-0 1/4"
4 - G	43'-11"
4 - H	28'-1 3/4"



Type II Pool

JANUARY
2013

MATRIX
POOL SYSTEM

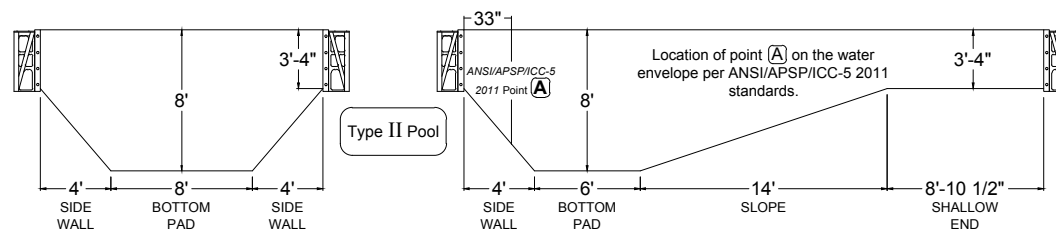
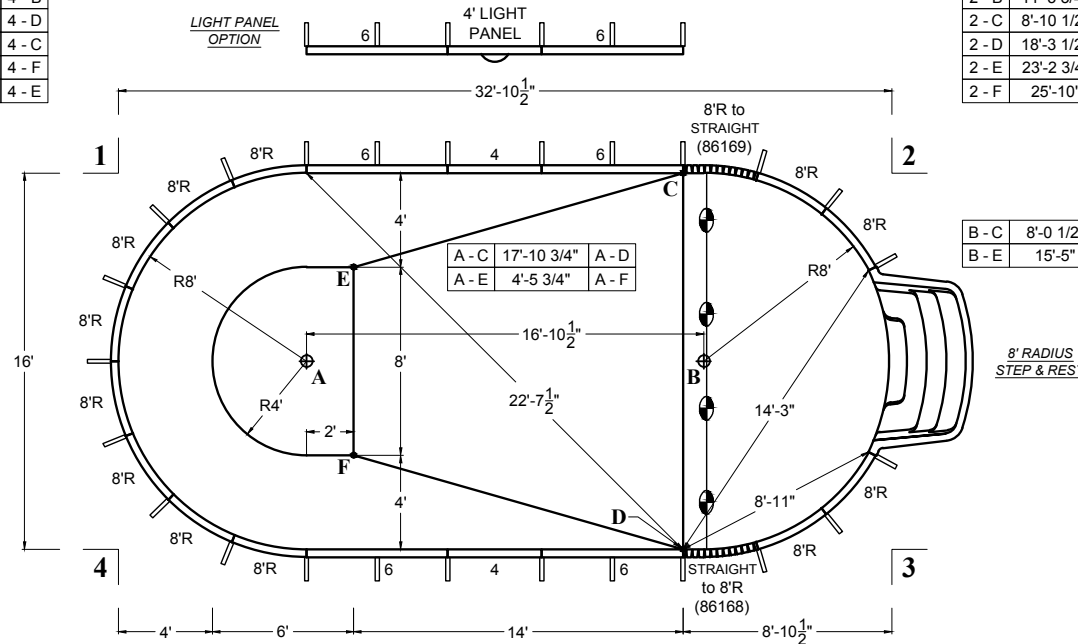
OVAL
16' x 33'

1 - A	11'-3 3/4"	4 - A
1 - B	26'-1 3/4"	4 - B
1 - C	24'	4 - D
1 - D	28'-10 1/4"	4 - C
1 - E	10'-9 1/4"	4 - F
1 - F	15'-7 1/2"	4 - E

1 - 3	36'-6 3/4"
2 - 4	

2 - A	26'-1 3/4"	3 - A
2 - B	11'-3 3/4"	3 - B
2 - C	8'-10 1/2"	3 - D
2 - D	18'-3 1/2"	3 - C
2 - E	23'-2 3/4"	3 - F
2 - F	25'-10"	3 - E

B - C	8'-0 1/2"	B - D
B - E	15'-5"	B - F



POOL SURFACE AREA	471.2 ft ²	LINER SQ. FT.	526.00 ft ²
POOL VOLUME	16200 gal	POOL PERIMETER	84'-1"
	61300 L		25.63 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
4 6' PLAIN PANEL w/ RETURN	42107
12 8' RADIUS PANEL	42111
2 VERSA-FLEX PANEL	42115
1 STRAIGHT to 8' RADIUS STRAP SET	86168S
1 8' RADIUS to STRAIGHT STRAP SET	86169S
52 PUSH NUTS	09115
25 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

OVAL
18' x 36'

POOL SURFACE AREA →	585.9 ft ²	LINER SQ. FT. →	655.50 ft ²
POOL VOLUME →	19500 gal	POOL PERIMETER →	93'-4"
	54.4 m ²		28.44 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
4 6' PLAIN PANEL w/ RETURN	42107
17 VERSA-FLEX PANEL	42115
15 9' RADIUS STRAP SET	86158S
1 STRAIGHT to 9' RADIUS STRAP SET	86170S
1 9' RADIUS to STRAIGHT STRAP SET	86171S
442 PUSH NUTS	09115
28 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

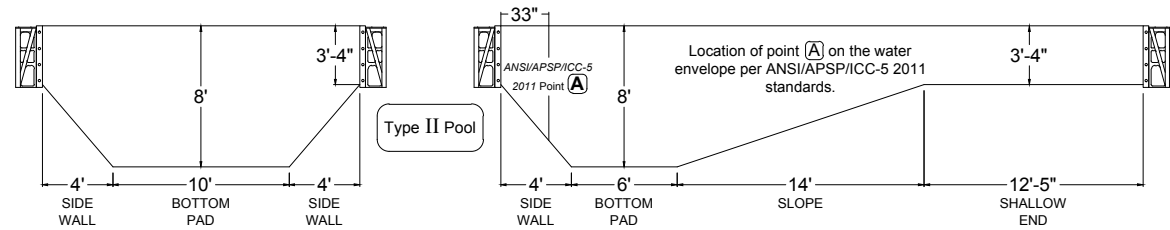
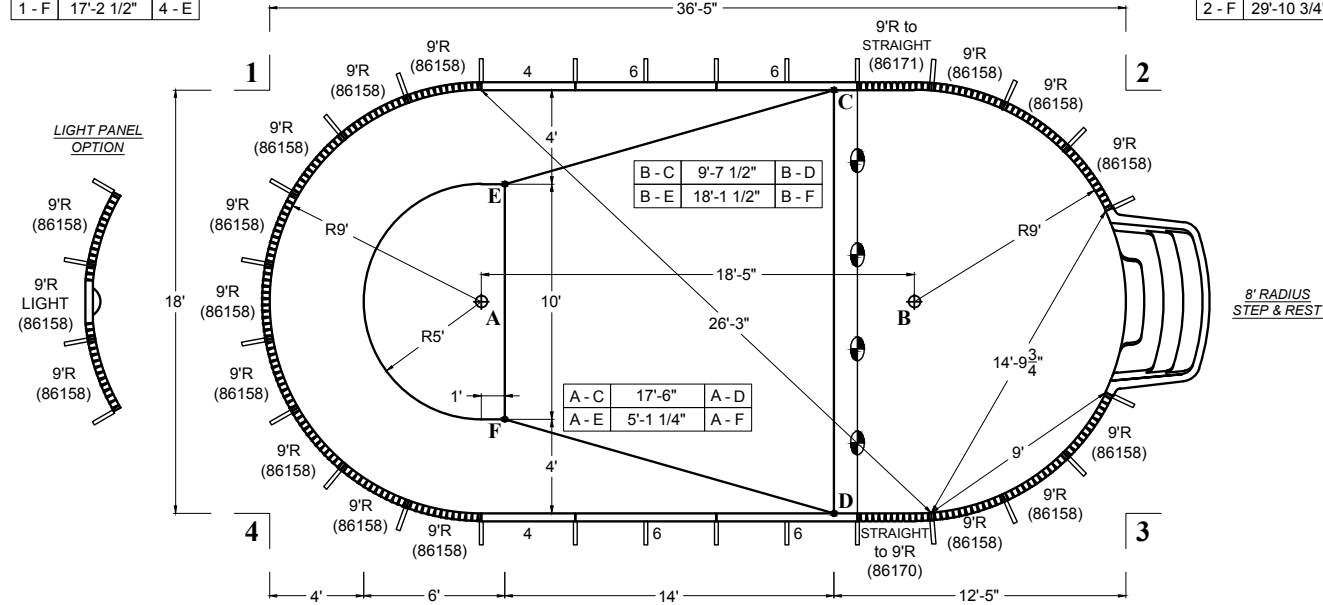
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	12'-8 3/4"	4 - A
1 - B	28'-10 1/4"	4 - B
1 - C	24'	4 - D
1 - D	30'	4 - C
1 - E	10'-9 1/4"	4 - F
1 - F	17'-2 1/2"	4 - E

1 - 3	40'-7 1/2"
2 - 4	

2 - A	28'-10 1/4"	3 - A
2 - B	12'-8 3/4"	3 - B
2 - C	12'-5"	3 - D
2 - D	21'-10 1/2"	3 - C
2 - E	26'-8 1/2"	3 - F
2 - F	29'-10 3/4"	3 - E



JANUARY
2013

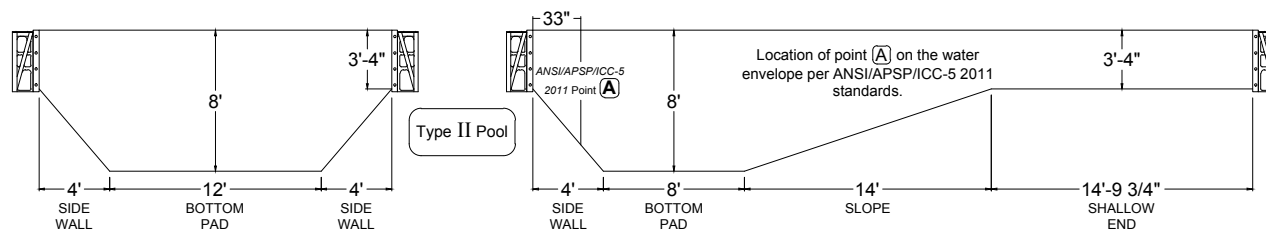
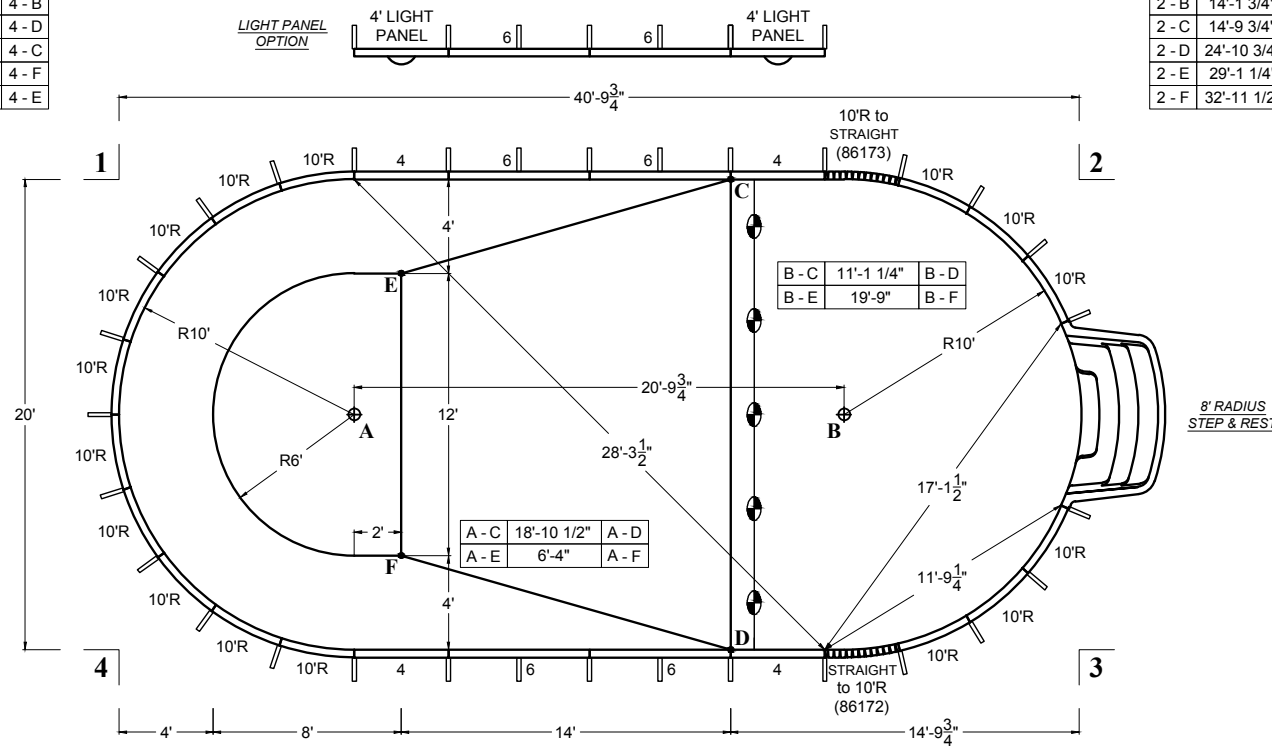
MATRIX
POOL SYSTEM

OVAL
20' x 41'

1 - A	14'-1 3/4"	4 - A
1 - B	32'-4 3/4"	4 - B
1 - C	26'	4 - D
1 - D	32'-9 3/4"	4 - C
1 - E	12'-7 3/4"	4 - F
1 - F	20'	4 - E

1 - 3	45'-5 1/2"
2 - 4	

2 - A	32'-4 3/4"	3 - A
2 - B	14'-1 3/4"	3 - B
2 - C	14'-9 3/4"	3 - D
2 - D	24'-10 3/4"	3 - C
2 - E	29'-1 1/4"	3 - F
2 - F	32'-11 1/2"	3 - E



POOL SURFACE AREA	730.5 ft ²	LINER SQ. FT.	816.25 ft ²
POOL VOLUME	24400 gal	POOL PERIMETER	104'-6"
	92350 L		31.85 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2 4' PLAIN PANEL	42106
2 4' SKIMMER PANEL	42106S
4 6' PLAIN PANEL w/ RETURN	42107
16 10' RADIUS PANEL	42112
2 VERSA-FLEX PANEL	42115
1 STRAIGHT to 10' RADIUS STRAP SET	86172S
1 10' RADIUS to STRAIGHT STRAP SET	86173S
52 PUSH NUTS	09115
31 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

GRECIAN

14'-6" x 28'-6"

POOL SURFACE AREA	→ 377.1 ft ² 35.0 m ²	LINER SQ. FT.	→ 413.25 ft ²
POOL VOLUME	→ 10700 gal 40500 L	POOL PERIMETER	→ 76' 23.16 m

NO DIVING ALLOWED IN THIS POOL

6" CENTER STEP	6" OFFSET STEP	NO STEP
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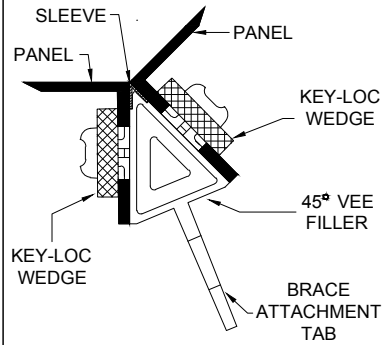
QTY	ITEM DESCRIPTION	PART #
1	1' PLAIN PANEL	42101
3	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
9	6' PLAIN PANEL w/ RETURN	42107
24	45 DEGREE VEE FILLER	86140
48	KEY-LOC for VEE FILLER	86141
6	GRECIAN CORNER SLEEVE	42140
1	GRECIAN STEP FILLER - LEFT	42142
1	GRECIAN STEP FILLER - RIGHT	42143
23	BRACE SYSTEM COMPLETE	42146
1	6' STEP & REST	07416SNR
24*	3/8"-16X HEX WASHER HEAD BOLT	148838
24*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

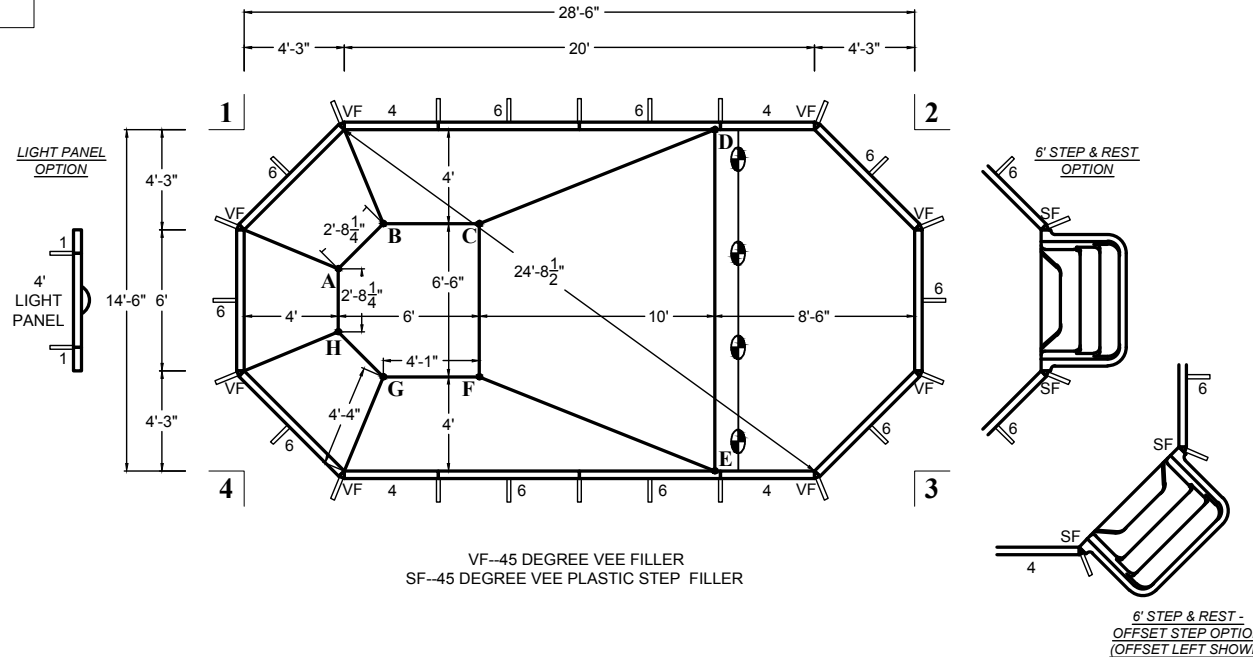
45° VEE FILLER



1 - A	7'-1 1/2"	4 - H
1 - B	7'-1 1/2"	4 - G
1 - C	10'-9 1/4"	4 - F
1 - D	20'	4 - E
1 - E	24'-8 1/2"	4 - D
1 - F	14'-6"	4 - C
1 - G	12'-0 1/2"	4 - B
1 - H	9'-5 3/4"	4 - A

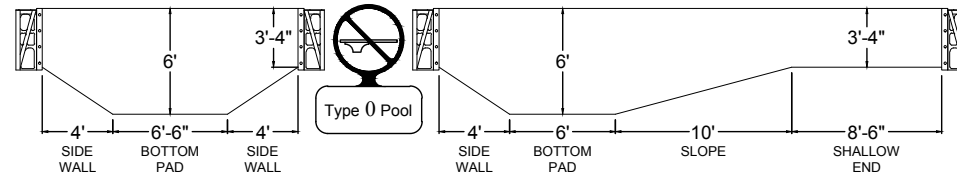
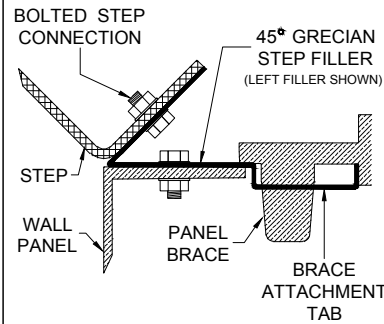
2 - A	25'-2 1/2"	3 - H
2 - B	22'-11 1/4"	3 - G
2 - C	18'-11 1/4"	3 - F
2 - D	8'-6"	3 - E
2 - E	16'-9 3/4"	3 - D
2 - F	21'-3 1/4"	3 - C
2 - G	24'-11"	3 - B
2 - H	25'-11 1/2"	3 - A

1 - 3	31'-11 3/4"
2 - 4	

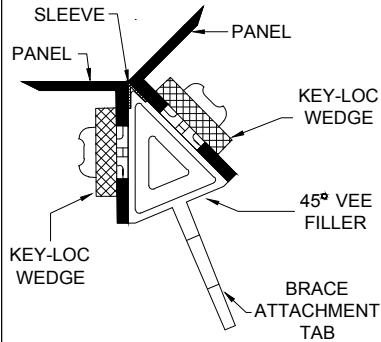


VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER



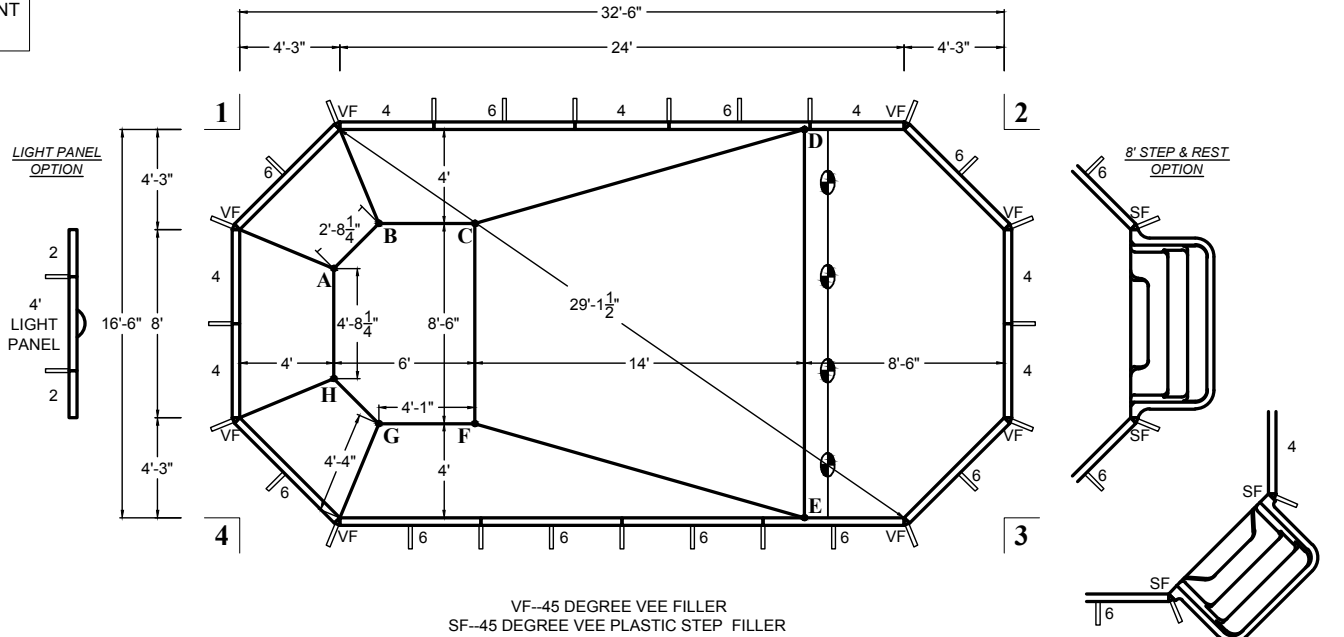
45° VEE FILLER



1 - A	7'-1 1/2"	4 - H
1 - B	7'-1 1/2"	4 - G
1 - C	10'-9 1/4"	4 - F
1 - D	24'	4 - E
1 - E	29'-1 1/2"	4 - D
1 - F	16'	4 - C
1 - G	13'-10"	4 - B
1 - H	11'-4"	4 - A

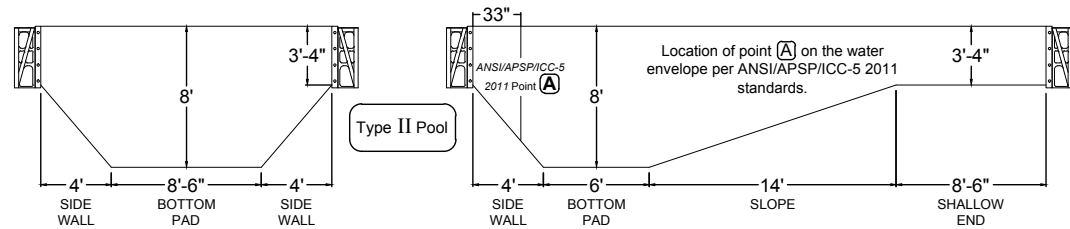
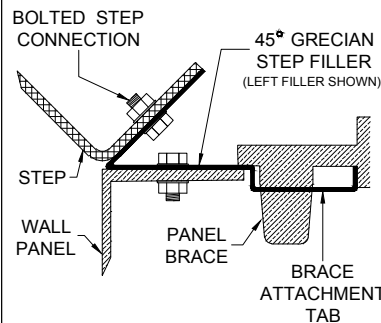
1 - 3	36'-5 1/2"
2 - 4	

2 - A	29'-1 1/4"	3 - H
2 - B	26'-10 3/4"	3 - G
2 - C	22'-10 1/4"	3 - F
2 - D	8'-6"	3 - E
2 - E	18'-6 3/4"	3 - D
2 - F	25'-8 3/4"	3 - C
2 - G	29'-4 1/2"	3 - B
2 - H	30'-4 3/4"	3 - A



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER



6' STEP & REST - OFFSET STEP OPTION (OFFSET LEFT SHOWN)

GRECIAN 16'-6" x 32'-6"

POOL SURFACE AREA	500.1 ft ²	LINER SQ. FT.	536.25 ft ²
	46.4 m ²		
POOL VOLUME	17250 gal	POOL PERIMETER	88'
	65300 L		26.82 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' CENTER STEP
6' OFFSET STEP
NO STEP

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
45 DEGREE VEE FILLER	86140
KEY-LOC for VEE FILLER	86141
GRECIAN CORNER SLEEVE	42140
GRECIAN STEP FILLER - LEFT	42142
GRECIAN STEP FILLER - RIGHT	42143
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
6' STEP & REST	07416SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

GRECIAN
16'-6" x 36'-6"

POOL SURFACE AREA →	566.1 ft ²	LINER SQ. FT. →	602.25 ft ²
POOL VOLUME →	18650 gal	POOL PERIMETER →	96'
	70600 L		29.26 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

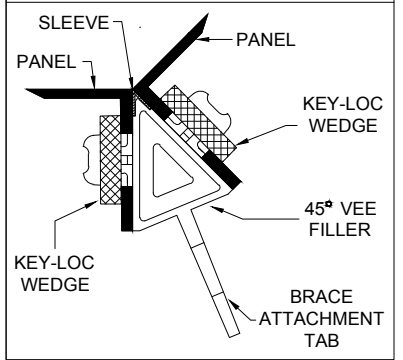
8' CENTER STEP	6' OFFSET STEP	NO STEP	ITEM DESCRIPTION	PART #
			2' PLAIN PANEL	42102
3	5	5	4' PLAIN PANEL	42106
1	1	1	4' SKIMMER PANEL	42106S
12	11	12	6' PLAIN PANEL w/ RETURN	42107
24	24	32	45 DEGREE VEE FILLER	86140
48	48	64	KEY-LOC for VEE FILLER	86141
6	6	8	GRECIAN CORNER SLEEVE	42140
1	1		GRECIAN STEP FILLER - LEFT	42142
1	1		GRECIAN STEP FILLER - RIGHT	42143
29	29	30	BRACE SYSTEM COMPLETE	42146
1			8' STEP & REST	07418SNR
	1		6' STEP & REST	07416SNR
24*	24*		3/8"-16X HEX WASHER HEAD BOLT	148838
24*	24*		3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

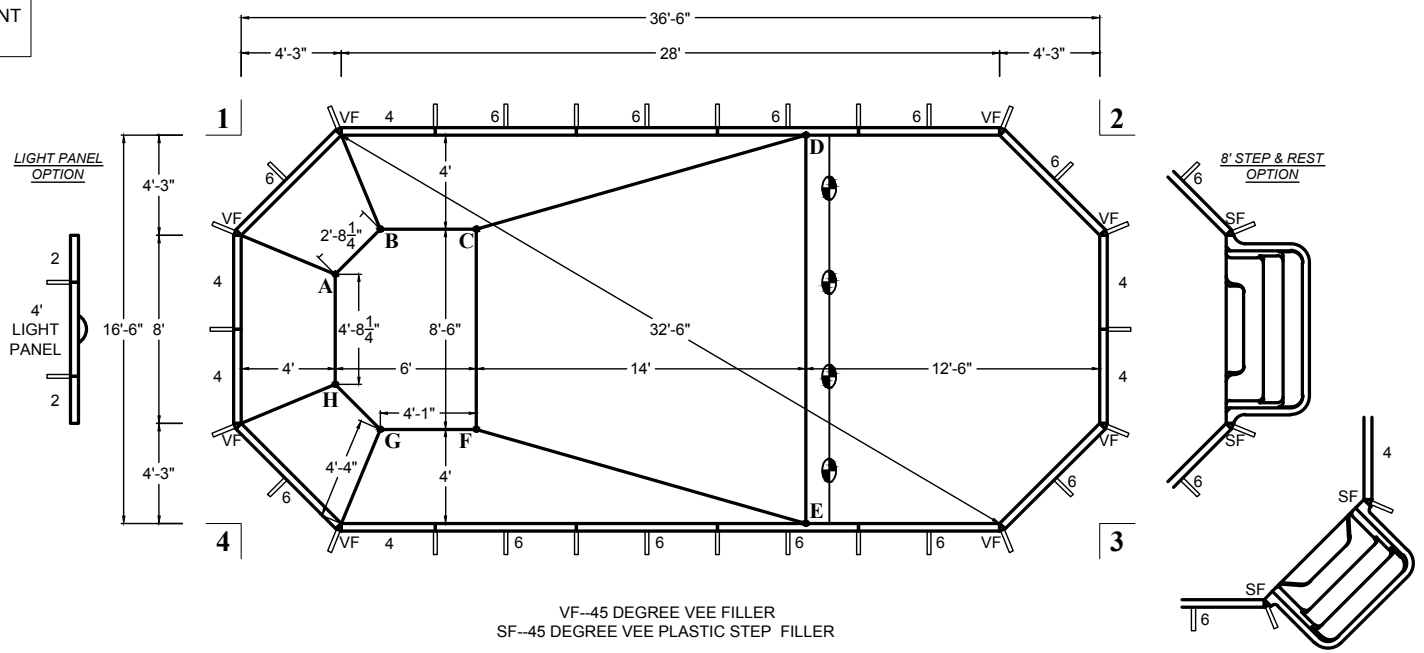
45° VEE FILLER



1 - A	7'-1 1/2"	4 - H
1 - B	7'-1 1/2"	4 - G
1 - C	10'-9 1/4"	4 - F
1 - D	24'	4 - E
1 - E	29'-1 1/2"	4 - D
1 - F	16'	4 - C
1 - G	13'-10"	4 - B
1 - H	11'-4"	4 - A

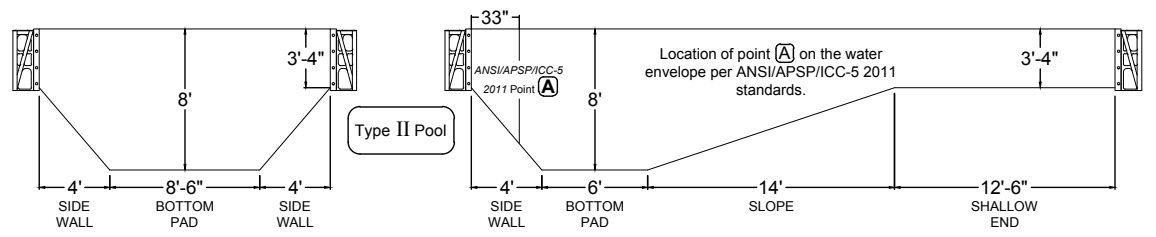
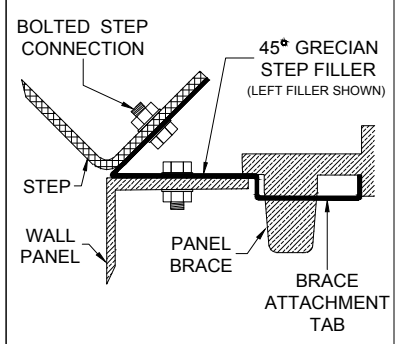
1 - 3	40'-0 3/4"
2 - 4	

2 - A	33'-0 1/2"	3 - H
2 - B	30'-10 1/4"	3 - G
2 - C	26'-9 1/2"	3 - F
2 - D	12'-6"	3 - E
2 - E	20'-8 1/2"	3 - D
2 - F	29'-3 1/2"	3 - C
2 - G	33'-0 1/2"	3 - B
2 - H	34'-2 1/4"	3 - A



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER



Type II Pool

GRECIAN
18'-6" x 36'-6"

POOL SURFACE AREA	639.1 ft ² 59.4 m ²	LINER SQ. FT.	675.25 ft ²
POOL VOLUME	22250 gal 84200 L	POOL PERIMETER	100' 30.48 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

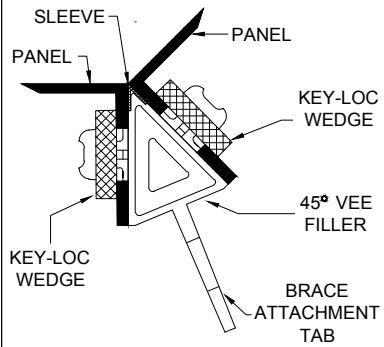
8' CENTER STEP	6' OFFSET STEP	NO STEP	ITEM DESCRIPTION	PART #
2			1' PLAIN PANEL	42101
			3' PLAIN PANEL	42108
2	3	3	4' PLAIN PANEL	42106
1	1	1	4' SKIMMER PANEL	42106S
13	13	14	6' PLAIN PANEL w/ RETURN	42107
24	24	32	45 DEGREE VEE FILLER	86140
48	48	64	KEY-LOC for VEE FILLER	86141
6	6	8	GRECIAN CORNER SLEEVE	42140
	1		GRECIAN STEP FILLER - LEFT	42142
	1		GRECIAN STEP FILLER - RIGHT	42143
32	31	32	BRACE SYSTEM COMPLETE	42146
1			8' STEP & REST	07418SNR
	1		6' STEP & REST	07416SNR
24*	24*		3/8"-16X HEX WASHER HEAD BOLT	148838
24*	24*		3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

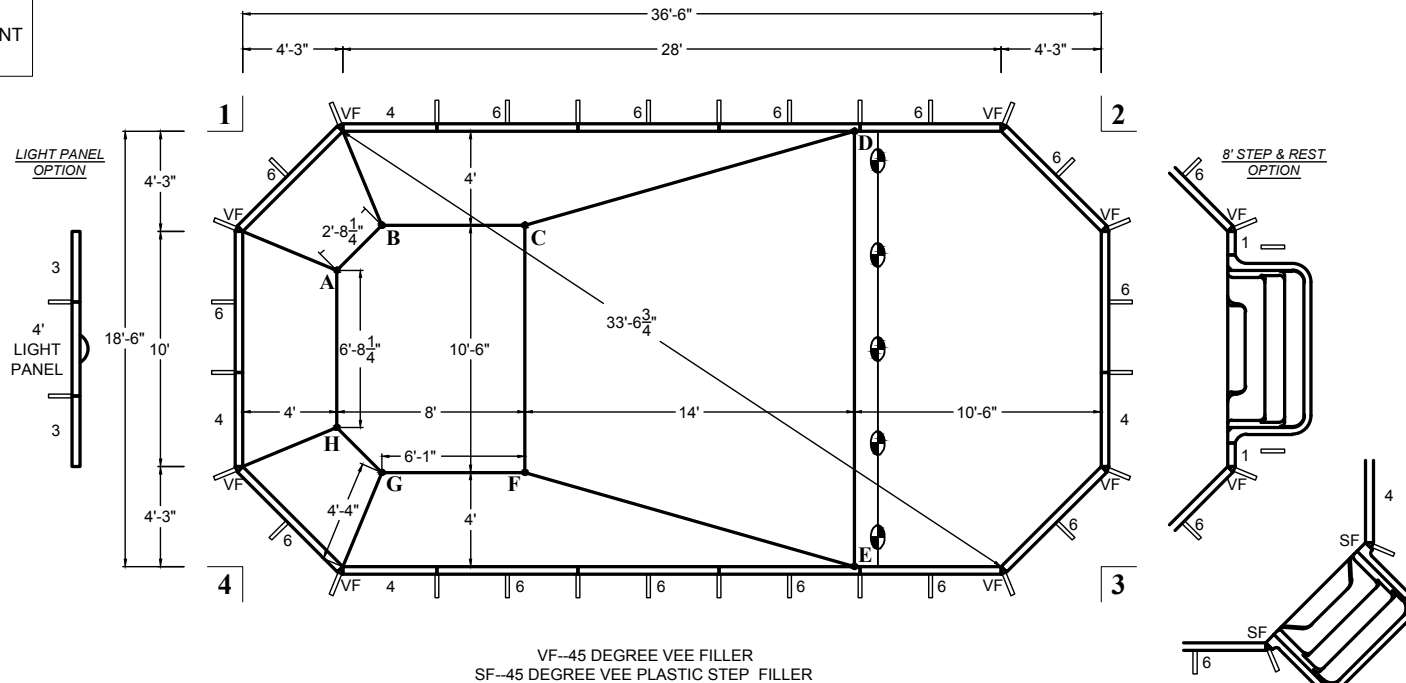
45° VEE FILLER



1 - A	7'-1 1/2"	4 - H
1 - B	7'-1 1/2"	4 - G
1 - C	12'-7 3/4"	4 - F
1 - D	26'	4 - E
1 - E	31'-11"	4 - D
1 - F	18'-9 3/4"	4 - C
1 - G	15'-8"	4 - B
1 - H	13'-2 1/2"	4 - A

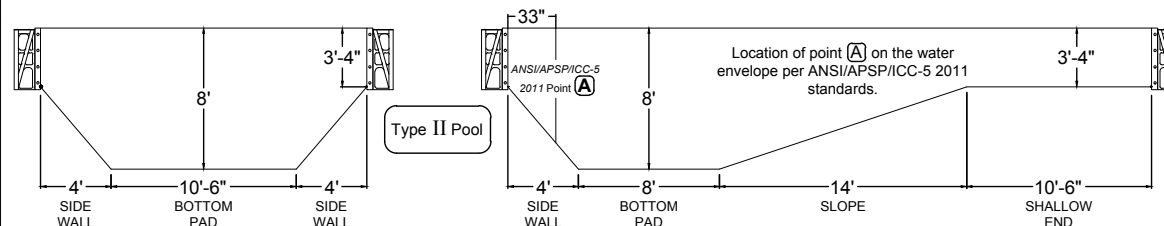
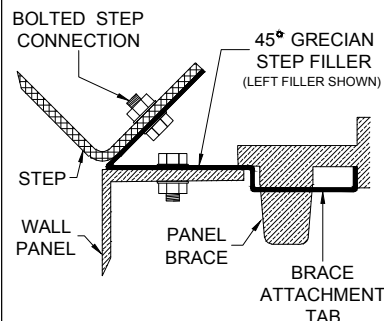
1 - 3	40'-11"
2 - 4	

2 - A	33'-0 1/2"	3 - H
2 - B	30'-10 1/4"	3 - G
2 - C	24'-10"	3 - F
2 - D	10'-6"	3 - E
2 - E	21'-3 1/4"	3 - D
2 - F	28'-5 3/4"	3 - C
2 - G	33'-10 1/4"	3 - B
2 - H	34'-10 1/4"	3 - A



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER



Type II Pool

Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

6' STEP & REST - OFFSET STEP OPTION (OFFSET LEFT SHOWN)

POOL SURFACE AREA	→ 656.7 ft ²	LINER SQ. FT.	→ 720.5977 ft ²
POOL VOLUME	→ 22700 gal	POOL PERIMETER	→ 100'
	85900 L		30.48 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

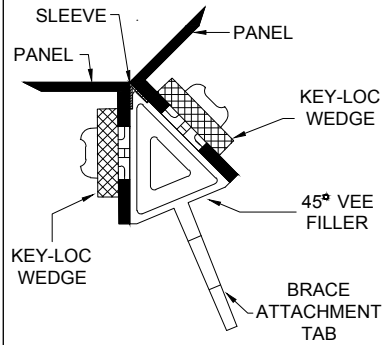
ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
45 DEGREE VEE FILLER	86140
KEY-LOC for VEE FILLER	86141
GRECIAN CORNER SLEEVE	42140
GRECIAN STEP FILLER - LEFT	42142
GRECIAN STEP FILLER - RIGHT	42143
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

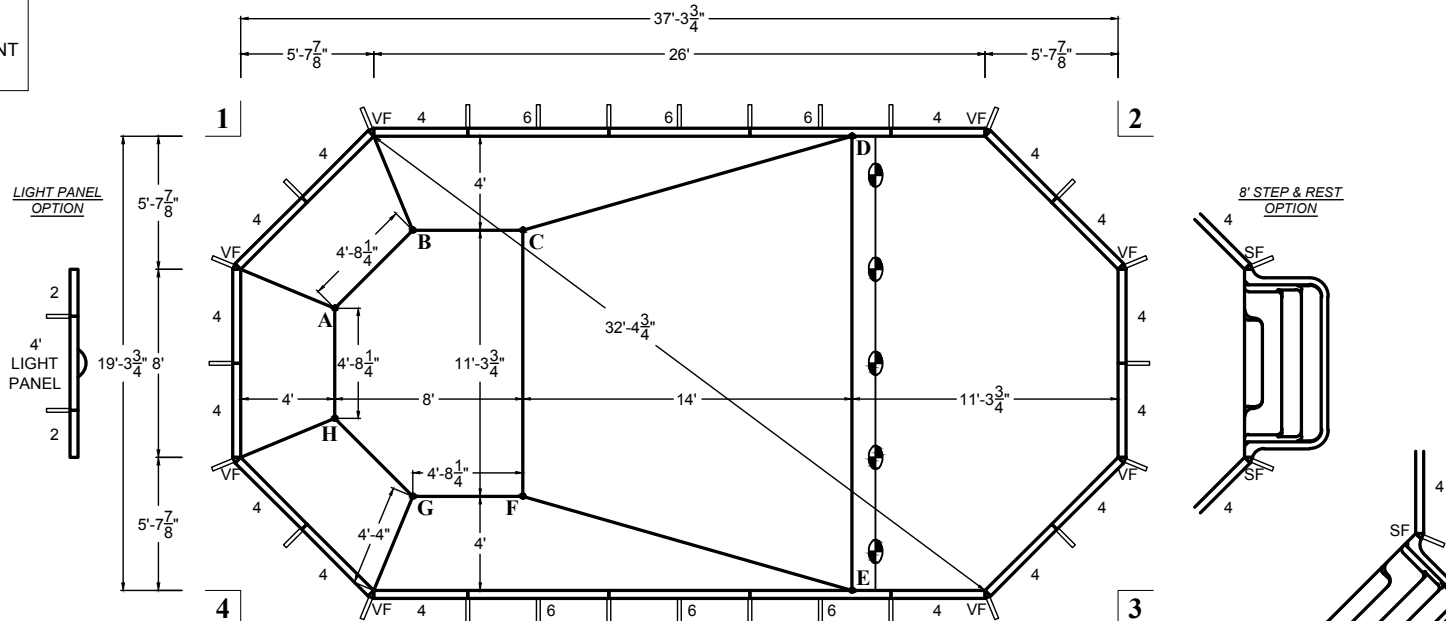
45° VEE FILLER



1 - A	8'-4"	4 - H
1 - B	8'-4"	4 - G
1 - C	12'-7 3/4"	4 - F
1 - D	26'	4 - E
1 - E	32'-4 3/4"	4 - D
1 - F	19'-5 1/2"	4 - C
1 - G	16'-11 3/4"	4 - B
1 - H	12'-7 3/4"	4 - A

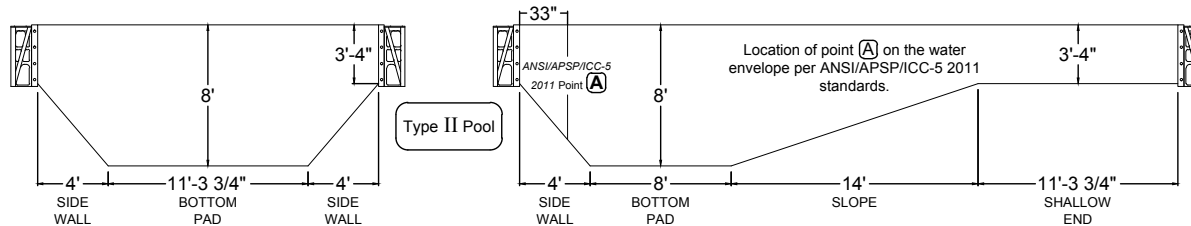
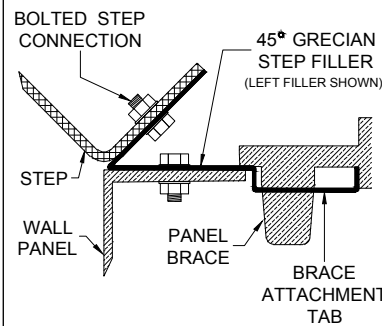
1 - 3	42'-0 1/4"
2 - 4	

2 - A	34'-1 1/4"	3 - H
2 - B	30'-3 1/4"	3 - G
2 - C	25'-7 1/2"	3 - F
2 - D	11'-3 3/4"	3 - E
2 - E	22'-4 1/2"	3 - D
2 - F	29'-7"	3 - C
2 - G	33'-8 1/4"	3 - B
2 - H	35'-5"	3 - A



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER

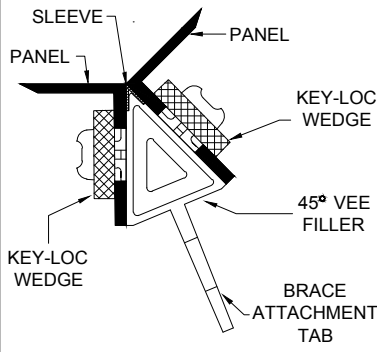


Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

Type II Pool

8' STEP & REST - OFFSET STEP OPTION (OFFSET LEFT SHOWN)

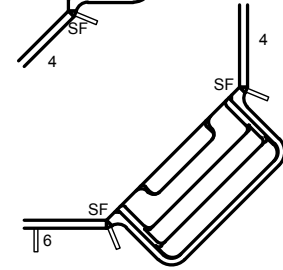
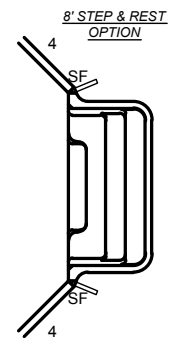
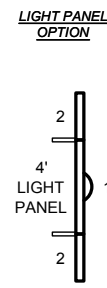
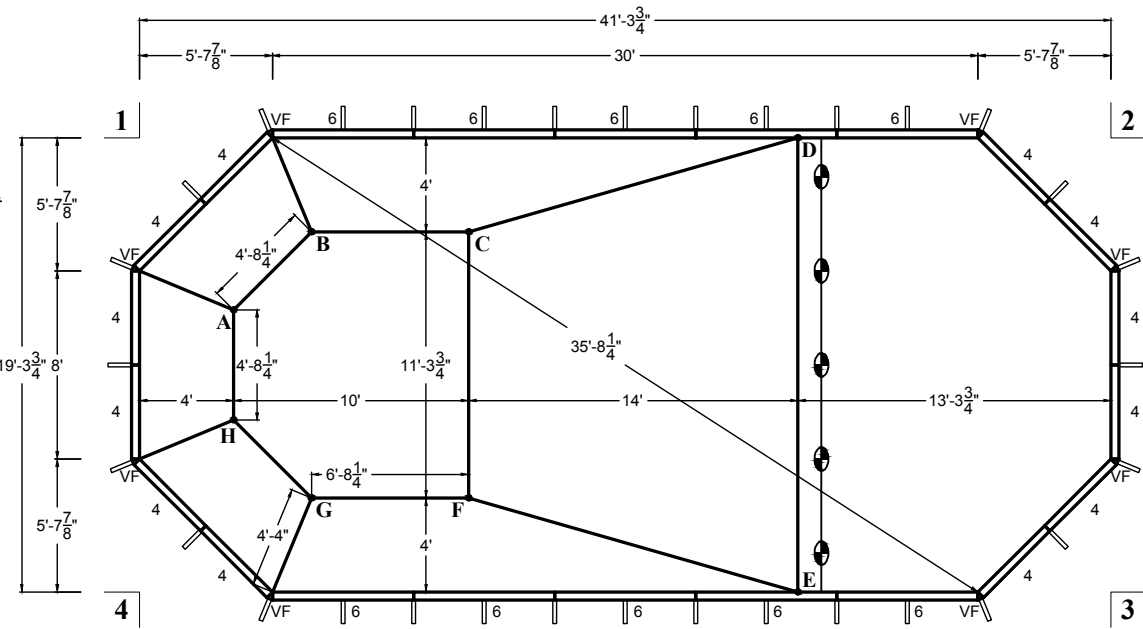
45° VEE FILLER



1 - A	8'-4"	4 - H
1 - B	8'-4"	4 - G
1 - C	14'-6 3/4"	4 - F
1 - D	28'	4 - E
1 - E	34'-0 1/4"	4 - D
1 - F	20'-9"	4 - C
1 - G	16'-11 3/4"	4 - B
1 - H	12'-7 3/4"	4 - A

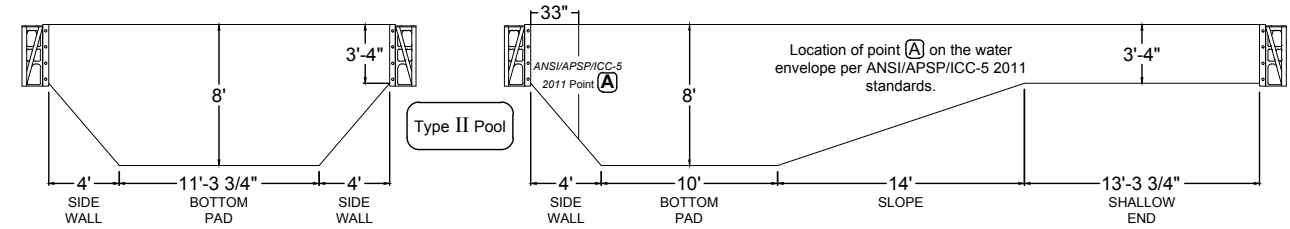
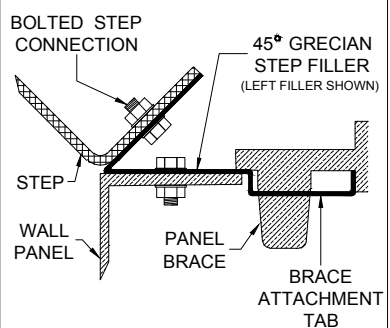
1 - 3	45'-7 1/4"
2 - 4	

2 - A	38'-0 1/4"	3 - H
2 - B	34'-2 3/4"	3 - G
2 - C	27'-7 1/4"	3 - F
2 - D	13'-3 3/4"	3 - E
2 - E	23'-5 1/2"	3 - D
2 - F	31'-3 3/4"	3 - C
2 - G	37'-3 1/2"	3 - B
2 - H	35'-5"	3 - A



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER

45° GRECIAN STEP FILLER



Type II Pool

Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

JANUARY 2013



GRECIAN
19' x 41'

POOL SURFACE AREA	733.9 ft ²	LINER SQ. FT.	797.8477 ft ²
POOL VOLUME	25400 gal	POOL PERIMETER	108'
	96150 L		32.91 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' CENTER STEP
8' OFFSET STEP
NO STEP

ITEM DESCRIPTION	PART #
2' PLAIN PANEL	42102
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
45 DEGREE VEE FILLER	86140
KEY-LOC for VEE FILLER	86141
GRECIAN CORNER SLEEVE	42140
GRECIAN STEP FILLER - LEFT	42142
GRECIAN STEP FILLER - RIGHT	42143
BRACE SYSTEM COMPLETE	42146
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

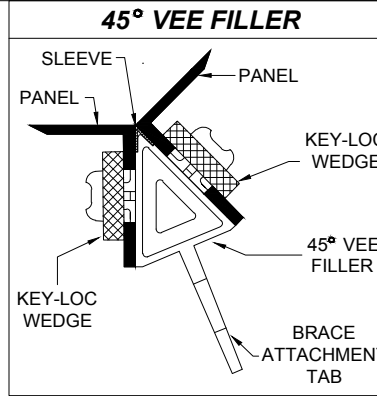
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	7'-1 1/2"
1 - B	7'-1 1/2"
1 - C	10'-9 1/4"
1 - D	24'
1 - E	29'-1 1/2"
1 - F	16'
1 - G	13'-10"
1 - H	11'-4"
1 - J	32'-3"
1 - K	30'-3 3/4"

1 - 3	47'-10"
2 - 4	

2 - A	38'-11 1/2"
2 - B	36'-9 3/4"
2 - C	32'-9"
2 - D	18'-6 1/4"
2 - E	24'-9 1/2"
2 - F	34'-10"
2 - G	38'-8 1/4"
2 - H	39'-11 1/4"
2 - J	10'-3 1/4"
2 - K	23'-9"



JANUARY 2013

MATRIX POOL SYSTEM

GRECIAN LAZY EL LEFT

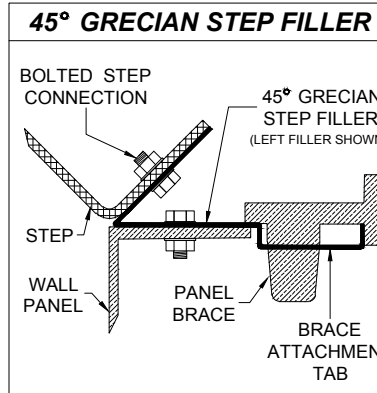
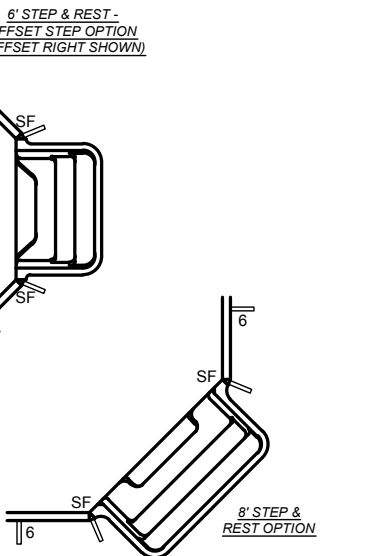
16'-6" x 42'-6"

POOL SURFACE AREA	692.4 ft ²	LINER SQ. FT.	835.3125 ft ²
POOL VOLUME	21300 gal	POOL PERIMETER	111'
	80600 L		33.83 m

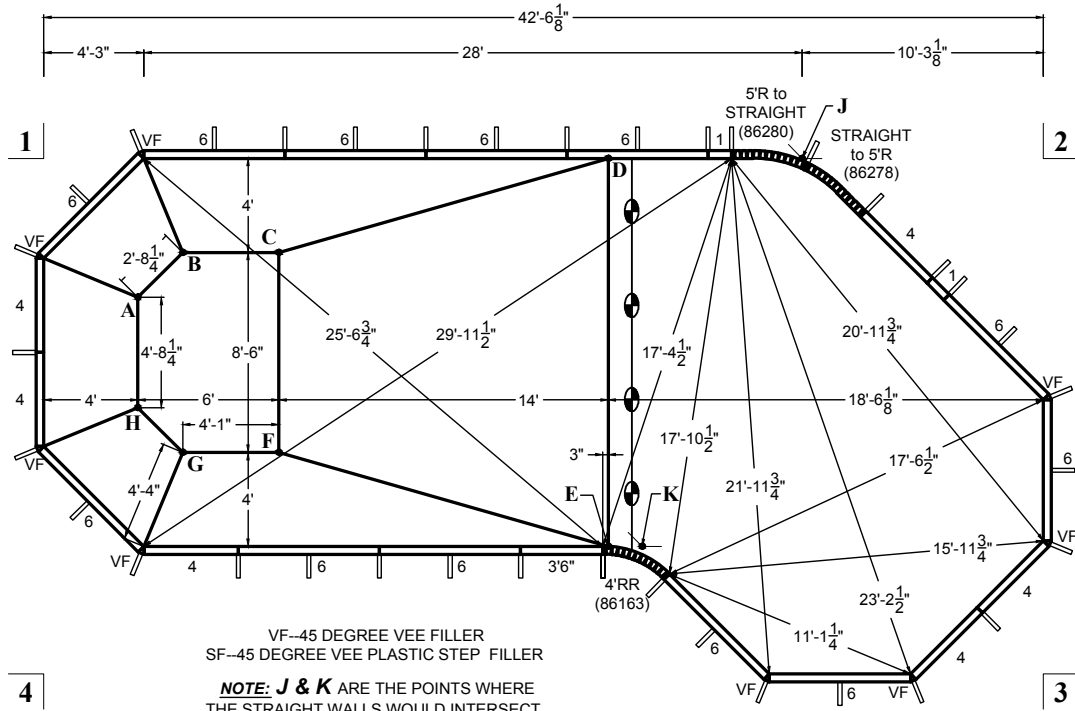
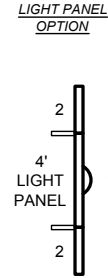
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2 2 2 1' PLAIN PANEL	42101
2 2 2 2' PLAIN PANEL	42102
1 1 1 3'6" PLAIN PANEL	42105
2 4 4 4' PLAIN PANEL	42106
2 2 2 4' SKIMMER PANEL	42106S
12 11 12 6' PLAIN PANEL w/ RETURN	42107
24 24 32 45 DEGREE VEE FILLER	86140
48 48 64 KEY-LOC for VEE FILLER	86141
6 6 8 GRECIAN CORNER SLEEVE	42140
3 3 3 VERSA-FLEX PANEL	42115
1 1 1 4' REVERSE RADIUS STRAP SET	86163S
1 1 1 STRAIGHT to 5' RADIUS STRAP SET	86278S
1 1 1 5' RADIUS to STRAIGHT STRAP SET	86280S
78 78 78 PUSH NUTS	09115
1 1 GRECIAN STEP FILLER - LEFT	42142
1 1 GRECIAN STEP FILLER - RIGHT	42143
35 35 36 BRACE SYSTEM COMPLETE	42146
1 8' STEP & REST	07418SNR
1 6' STEP & REST	07416SNR
24* 24* 3/8"-16X HEX WASHER HEAD BOLT	148838
24* 24* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

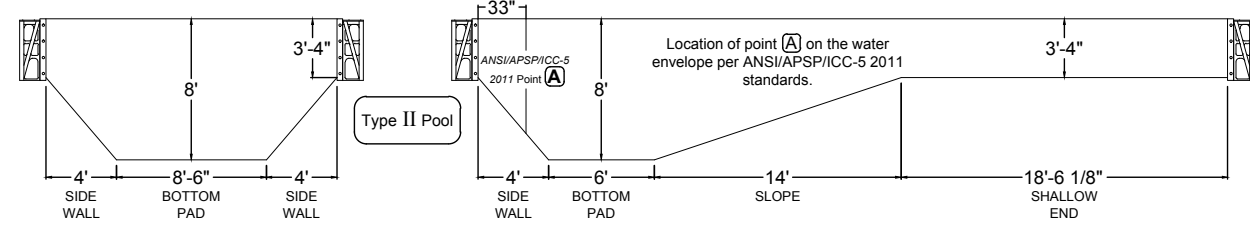


- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
 - Back fill with clean earth, free of roots and debris.
 - 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
 - All inside pool dimensions are to be finished dimensions.
 - Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
 - A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
 - Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
 - Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.
- The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



4 - A	16'-6"
4 - B	18'-10 1/2"
4 - C	20'-6 1/4"
4 - D	32'-6"
4 - E	24'-7 1/4"
4 - F	13'-8 3/4"
4 - G	11'-1 1/2"
4 - H	12'-0 1/4"
4 - J	39'
4 - K	26'

3 - A	41'-8 1/2"
3 - B	40'-9"
3 - C	37'-1 1/2"
3 - D	28'-8 1/4"
3 - E	19'-3 1/2"
3 - F	33'-10 1/4"
3 - G	37'-9 1/2"
3 - H	40'-1 3/4"
3 - J	24'-2 1/2"
3 - K	17'-11"



GRECIAN LAZY EL RIGHT
16'-6" x 42'-6"

POOL SURFACE AREA	692.4 ft ² 64.3 m ²	LINER SQ. FT.	835.3125 ft ²
POOL VOLUME	21300 gal 80600 L	POOL PERIMETER	111' 33.83 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

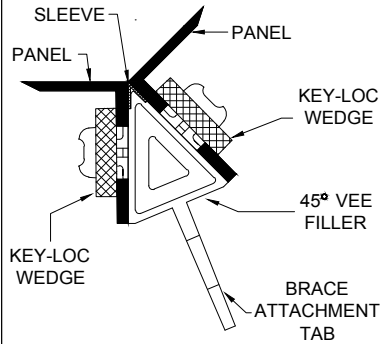
8' CENTER STEP	6' OFFSET STEP	NO STEP	ITEM DESCRIPTION	PART #
2	2	2	1' PLAIN PANEL	42101
			2' PLAIN PANEL	42102
1	1	1	3'6" PLAIN PANEL	42105
2	4	4	4' PLAIN PANEL	42106
2	2	2	4' SKIMMER PANEL	42106S
12	11	12	6' PLAIN PANEL w/ RETURN	42107
24	24	32	45 DEGREE VEE FILLER	86140
48	48	64	KEY-LOC for VEE FILLER	86141
6	6	8	GRECIAN CORNER SLEEVE	42140
3	3	3	VERSA-FLEX PANEL	42115
1	1	1	4' REVERSE RADIUS STRAP SET	86163S
1	1	1	5' RADIUS to STRAIGHT STRAP SET	86279S
1	1	1	STRAIGHT to 5' RADIUS STRAP SET	86281S
78	78	78	PUSH NUTS	09115
1	1		GRECIAN STEP FILLER - LEFT	42142
1	1		GRECIAN STEP FILLER - RIGHT	42143
35	35	36	BRACE SYSTEM COMPLETE	42146
1			8' STEP & REST	07418SNR
	1		6' STEP & REST	07416SNR
24*	24*		3/8"-16X HEX WASHER HEAD BOLT	148838
24*	24*		3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of different slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

45° VEE FILLER

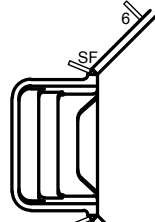


2 - A	38'-11 1/2"
2 - B	36'-9 3/4"
2 - C	32'-9"
2 - D	18'-6 1/4"
2 - E	24'-9 1/2"
2 - F	34'-10"
2 - G	38'-8 1/4"
2 - H	39'-11 1/4"
2 - J	10'-3 1/4"
2 - K	23'-9"

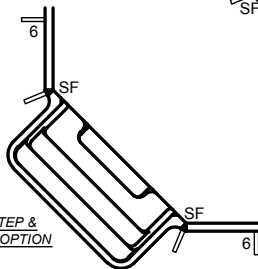
1 - 3	47'-10"
2 - 4	

1 - A	7'-1 1/2"
1 - B	7'-1 1/2"
1 - C	10'-9 1/4"
1 - D	24"
1 - E	29'-1 1/2"
1 - F	16"
1 - G	13'-10"
1 - H	11'-4"
1 - J	32'-3"
1 - K	30'-3 3/4"

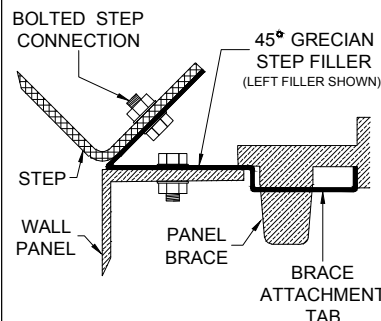
6' STEP & REST - OFFSET STEP OPTION (OFFSET LEFT SHOWN)



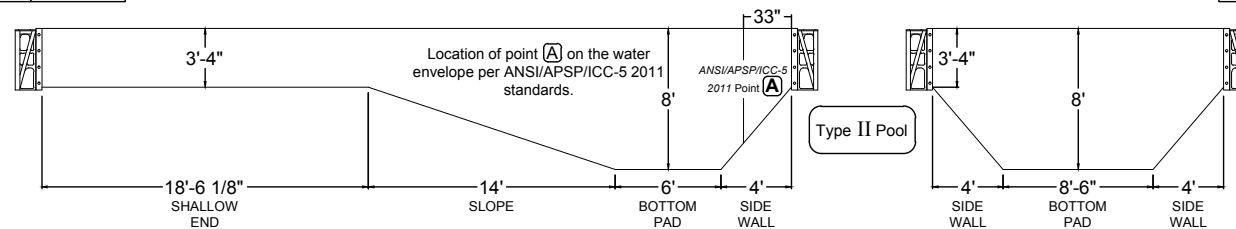
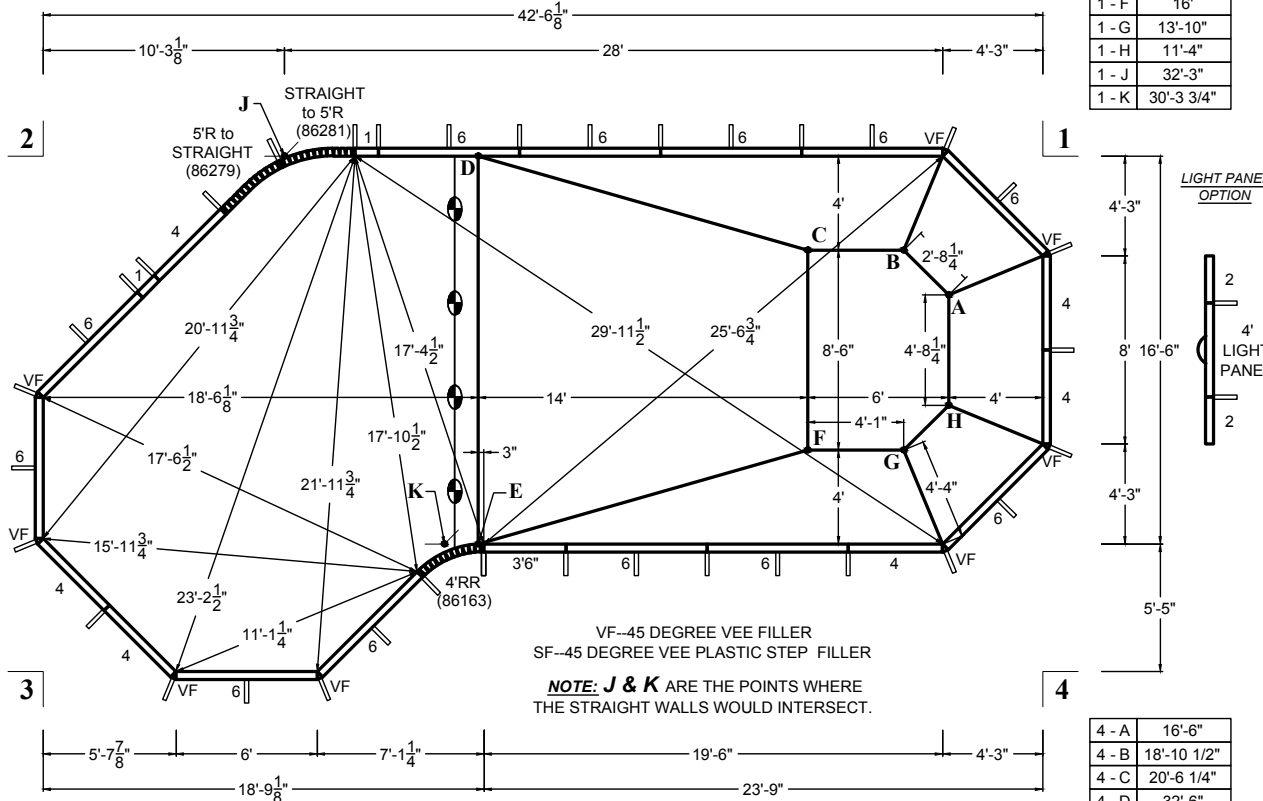
8' STEP & REST OPTION



45° GRECIAN STEP FILLER



3 - A	41'-8 1/2"
3 - B	40'-9"
3 - C	37'-1 1/2"
3 - D	28'-8 1/4"
3 - E	19'-3 1/2"
3 - F	33'-10 1/4"
3 - G	37'-9 1/2"
3 - H	40'-1 3/4"
3 - J	24'-2 1/2"
3 - K	17'-11"



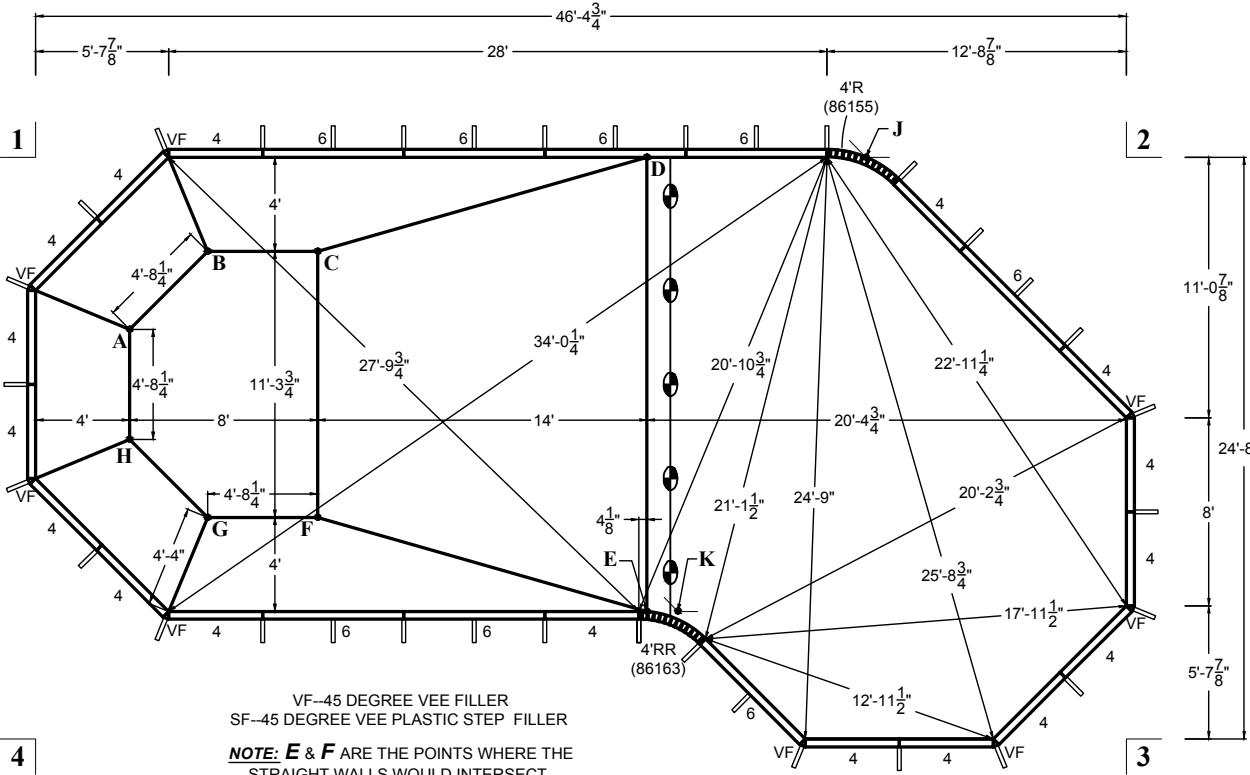
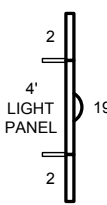
1 - A	8'-4"
1 - B	8'-4"
1 - C	12'-7 3/4"
1 - D	26'
1 - E	32'-4 3/4"
1 - F	19'-5 1/2"
1 - G	16'-11 3/4"
1 - H	12'-7 3/4"
1 - J	35'-3 3/4"
1 - K	33'-5 1/2"

1 - 3	52'-7"
2 - 4	

2 - A	43'-0 1/4"
2 - B	39'-3 1/2"
2 - C	34'-7 1/2"
2 - D	20'-4 3/4"
2 - E	28'-1 1/4"

2 - F	37'-7 3/4"
2 - G	41'-11 3/4"
2 - H	44'-0 3/4"
2 - J	11'-1"
2 - K	27'-1 3/4"

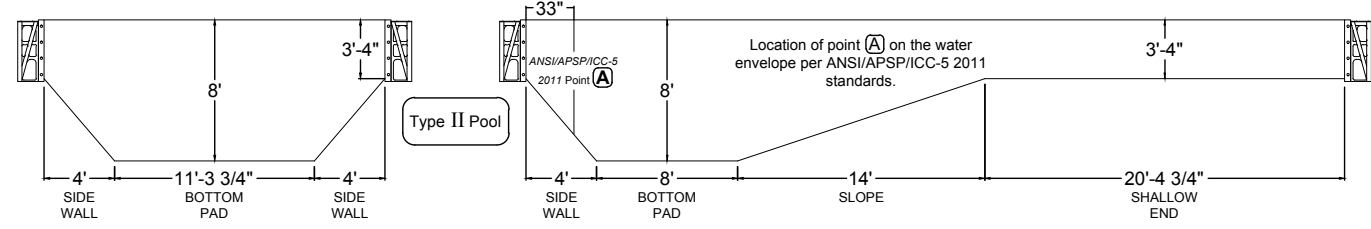
LIGHT PANEL OPTION



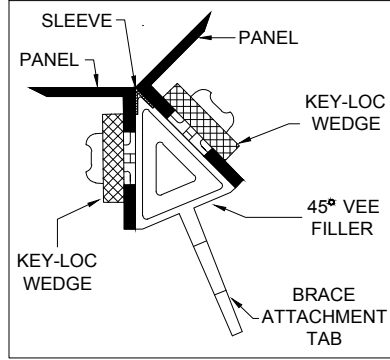
4 - A	17'-10 1/2"
4 - B	21'-11 3/4"
4 - C	23'-11 1/2"
4 - D	35'-10 3/4"
4 - E	26'-6 3/4"
4 - F	15'-3"
4 - G	11'-11 1/4"
4 - H	13'-4 1/4"
4 - J	43'-1 1/2"
4 - K	27'-10 1/4"

3 - A	45'-10"
3 - B	44'-2 3/4"
3 - C	40'-2"
3 - D	32'-0 3/4"
3 - E	21'-1 1/4"

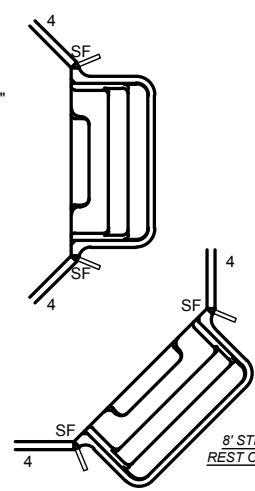
3 - F	35'-8"
3 - G	40'-2 1/2"
3 - H	44'-3 1/4"
3 - J	27'-1 1/4"
3 - K	19'-10"



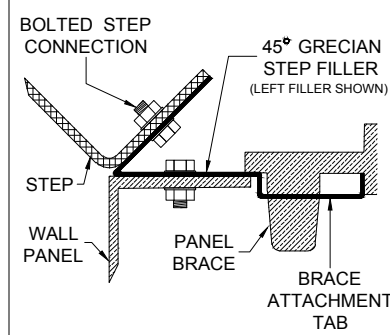
45° VEE FILLER



8' STEP & REST - OFFSET STEP OPTION (OFFSET RIGHT SHOWN)



45° GRECIAN STEP FILLER



GRECIAN LAZY EL LEFT 19' x 46'

POOL SURFACE AREA	875.4 ft ²	LINER SQ. FT.	1104.03 ft ²
POOL VOLUME	27350 gal	POOL PERIMETER	122'-4"
	103500 L		37.28 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

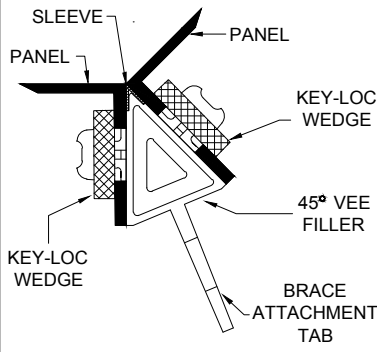
8' CENTER STEP		8' OFFSET STEP		NO STEP		ITEM DESCRIPTION	PART #
13	13	15				2' PLAIN PANEL	42102
2	2	2				4' PLAIN PANEL	42106
8	8	8				4' SKIMMER PANEL	42106S
8	8	8				6' PLAIN PANEL w/ RETURN	42107
24	24	32				45 DEGREE VEE FILLER	86140
48	48	64				KEY-LOC for VEE FILLER	86141
6	6	8				GRECIAN CORNER SLEEVE	42140
2	2	2				VERSA-FLEX PANEL	42115
1	1	1				4' REVERSE RADIUS STRAP SET	86163S
1	1	1				4' RADIUS STRAP SET	86155S
52	52	52				PUSH NUTS	09115
1	1					GRECIAN STEP FILLER - LEFT	42142
1	1					GRECIAN STEP FILLER - RIGHT	42143
34	34	35				BRACE SYSTEM COMPLETE	42146
1	1					8' STEP & REST	07418SNR
24*	24*					3/8"-16X HEX WASHER HEAD BOLT	148838
24*	24*					3/8"-16 HEX WASHER HEAD NUT	149664
						CHANNEL-LOC SONOTUBE	86151
						4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

45° VEE FILLER

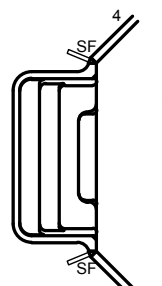


2 - A	43'-0 1/4"	2 - F	37'-7 3/4"
2 - B	39'-3 1/2"	2 - G	41'-11 3/4"
2 - C	34'-7 1/2"	2 - H	44'-0 3/4"
2 - D	20'-4 3/4"	2 - J	11'-1"
2 - E	28'-1 1/4"	2 - K	27'-1 3/4"

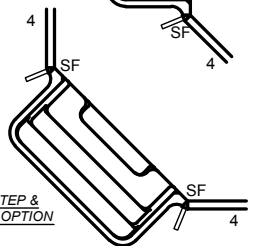
1 - 3	52'-7"
2 - 4	

1 - A	8'-4"
1 - B	8'-4"
1 - C	12'-7 3/4"
1 - D	26'
1 - E	32'-4 3/4"
1 - F	19'-5 1/2"
1 - G	16'-11 3/4"
1 - H	12'-7 3/4"
1 - J	35'-3 3/4"
1 - K	33'-5 1/2"

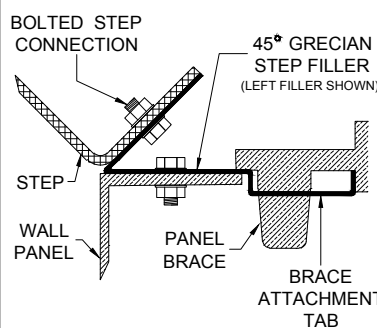
8' STEP & REST - OFFSET STEP OPTION (OFFSET LEFT SHOWN)



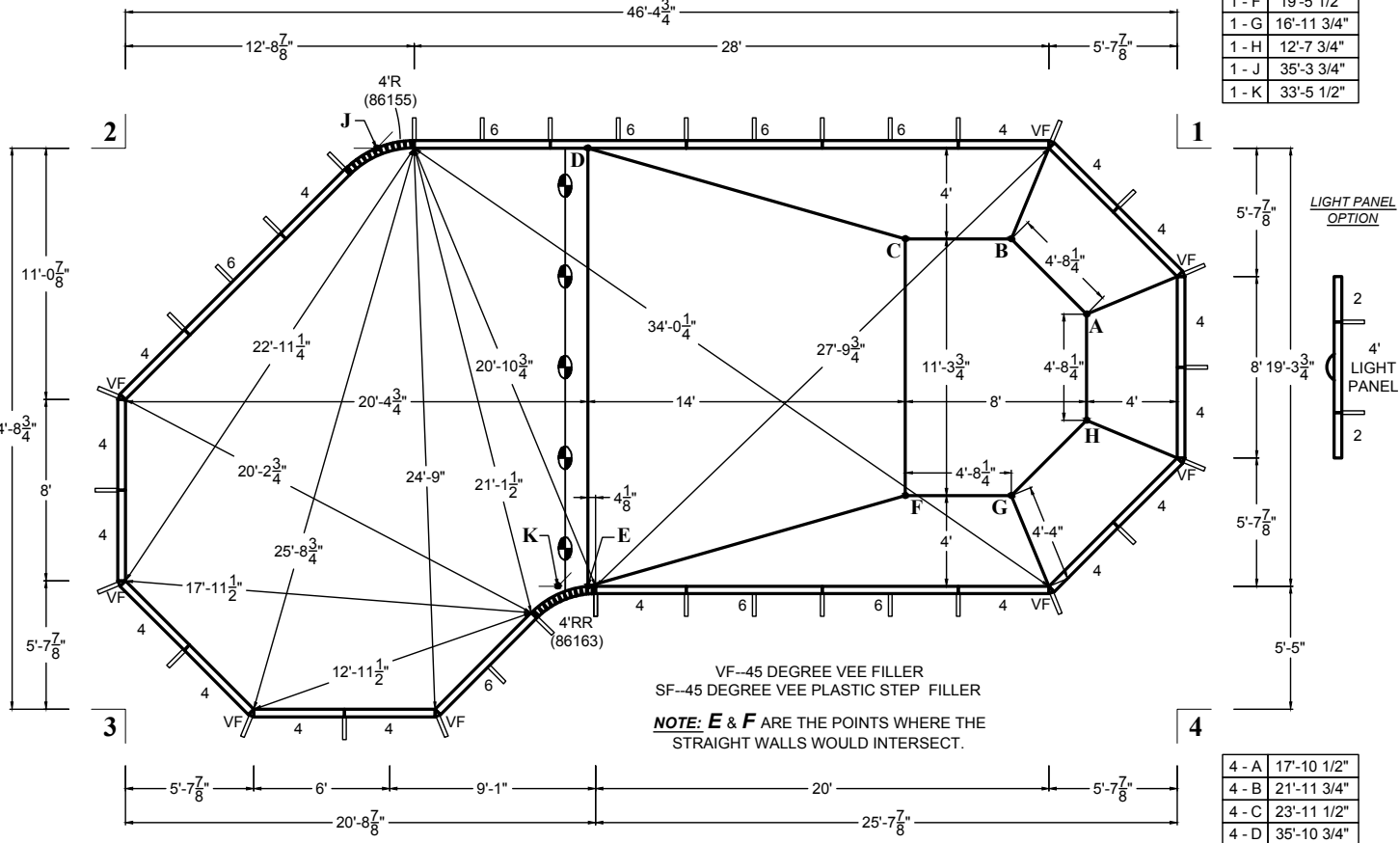
8' STEP & REST OPTION



45° GRECIAN STEP FILLER

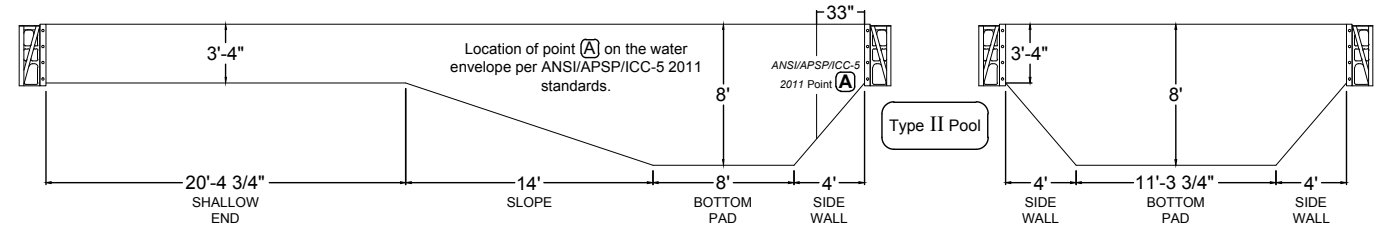


3 - A	45'-10"	3 - F	35'-8"
3 - B	44'-2 3/4"	3 - G	40'-2 1/2"
3 - C	40'-2"	3 - H	44'-3 1/4"
3 - D	32'-0 3/4"	3 - J	27'-1 1/4"
3 - E	21'-1 1/4"	3 - K	19'-10"



VF--45 DEGREE VEE FILLER
SF--45 DEGREE VEE PLASTIC STEP FILLER
NOTE: E & F ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	17'-10 1/2"
4 - B	21'-11 3/4"
4 - C	23'-11 1/2"
4 - D	35'-10 3/4"
4 - E	26'-6 3/4"
4 - F	15'-3"
4 - G	11'-11 1/4"
4 - H	13'-4 1/4"
4 - J	43'-1 1/2"
4 - K	27'-10 1/4"



JANUARY 2013



GRECIAN LAZY EL RIGHT
19' x 46'

POOL SURFACE AREA	875.4 ft ²	LINER SQ. FT.	1104.03 ft ²
POOL VOLUME	27350 gal	POOL PERIMETER	122'-4"
	103500 L		37.28 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' CENTER STEP	8' OFFSET STEP	NO STEP	ITEM DESCRIPTION	PART #
			2' PLAIN PANEL	42102
			4' PLAIN PANEL	42106
			4' SKIMMER PANEL	42106S
			6' PLAIN PANEL w/ RETURN	42107
			45 DEGREE VEE FILLER	86140
			KEY-LOC for VEE FILLER	86141
			GRECIAN CORNER SLEEVE	42140
			VERSA-FLEX PANEL	42115
			4' REVERSE RADIUS STRAP SET	86163S
			4' RADIUS STRAP SET	86155S
			PUSH NUTS	09115
			GRECIAN STEP FILLER - LEFT	42142
			GRECIAN STEP FILLER - RIGHT	42143
			BRACE SYSTEM COMPLETE	42146
			8' STEP & REST	07418SNR
			3/8"-16X HEX WASHER HEAD BOLT	148838
			3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

**KEYHOLE - 2' RADIUS
STANDARD VIEW - 16' x 32'**

POOL SURFACE AREA →	446.8 ft ² 41.5 m ²	LINER SQ. FT. →	516.00 ft ²
POOL VOLUME →	11850 gal 44850 L	POOL PERIMETER →	86'-6" 26.36 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
1 3' PLAIN PANEL	42108
1 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
6 6' PLAIN PANEL w/ RETURN	42107
2 2' RADIUS CORNER PANEL	42110
6 8' RADIUS PANEL	42111
2 VERSA-FLEX PANEL	42115
1 8'R to 4'RR STRAP SET	86174S
1 STRAIGHT to 8'R STRAP SET	86176S
52 PUSH NUTS	09115
26 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

2 - A	28'-7 1/4"
2 - B	23'-8"
2 - C	15'-4"
2 - D	20'-9"
2 - E	25'-4 1/2"
2 - F	30'-0 1/2"
2 - G	11'-3 3/4"

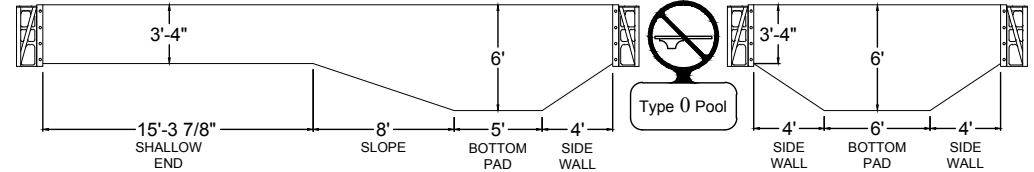
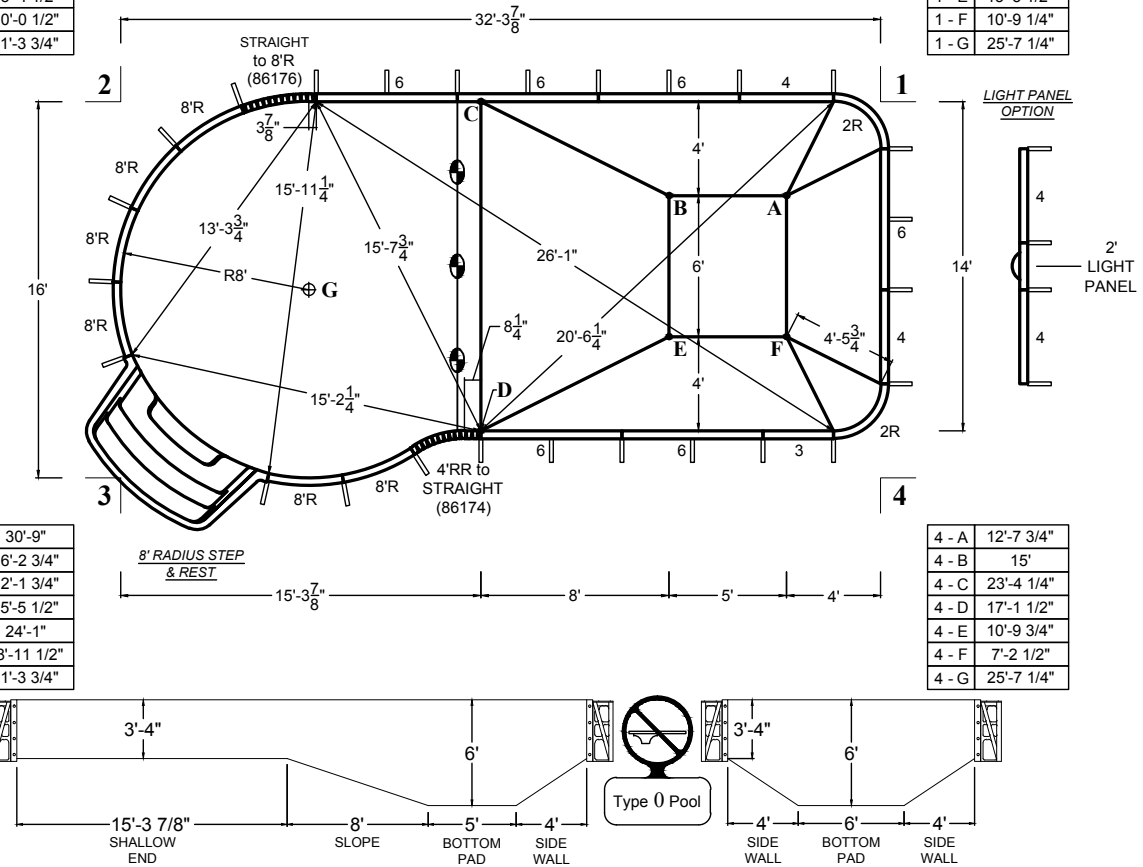
1 - 3	36'-0 3/4"
2 - 4	

1 - A	5'-8"
1 - B	9'-10 1/4"
1 - C	17'
1 - D	22'-0 1/4"
1 - E	13'-5 1/2"
1 - F	10'-9 1/4"
1 - G	25'-7 1/4"

G - A	20'-8 1/2"
G - B	15'-10"
G - C	10'-10 1/4"
G - D	9'-5 1/2"
G - E	15'-5 1/2"
G - F	20'-5"

3 - A	30'-9"
3 - B	26'-2 3/4"
3 - C	22'-1 3/4"
3 - D	15'-5 1/2"
3 - E	24'-1"
3 - F	28'-11 1/2"
3 - G	11'-3 3/4"

4 - A	12'-7 3/4"
4 - B	15'
4 - C	23'-4 1/4"
4 - D	17'-1 1/2"
4 - E	10'-9 3/4"
4 - F	7'-2 1/2"
4 - G	25'-7 1/4"



**KEYHOLE - 2' RADIUS
STANDARD VIEW - 18' x 36'**

2 - A	32'-6 1/2"
2 - B	26'-7 1/4"
2 - C	12'-3 1/2"
2 - D	21'-3 1/2"
2 - E	28'-10 3/4"
2 - F	34'-5 1/2"
2 - G	12'-8 3/4"

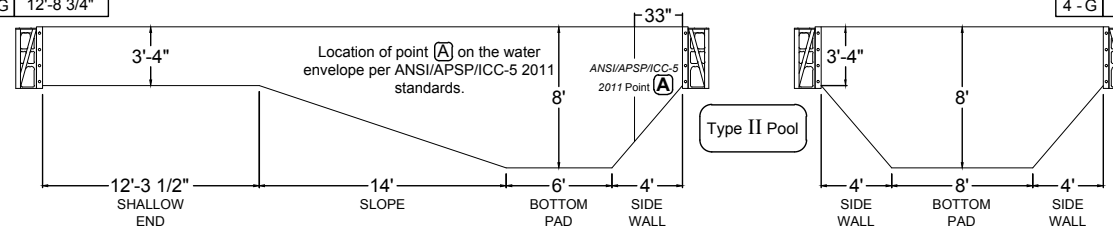
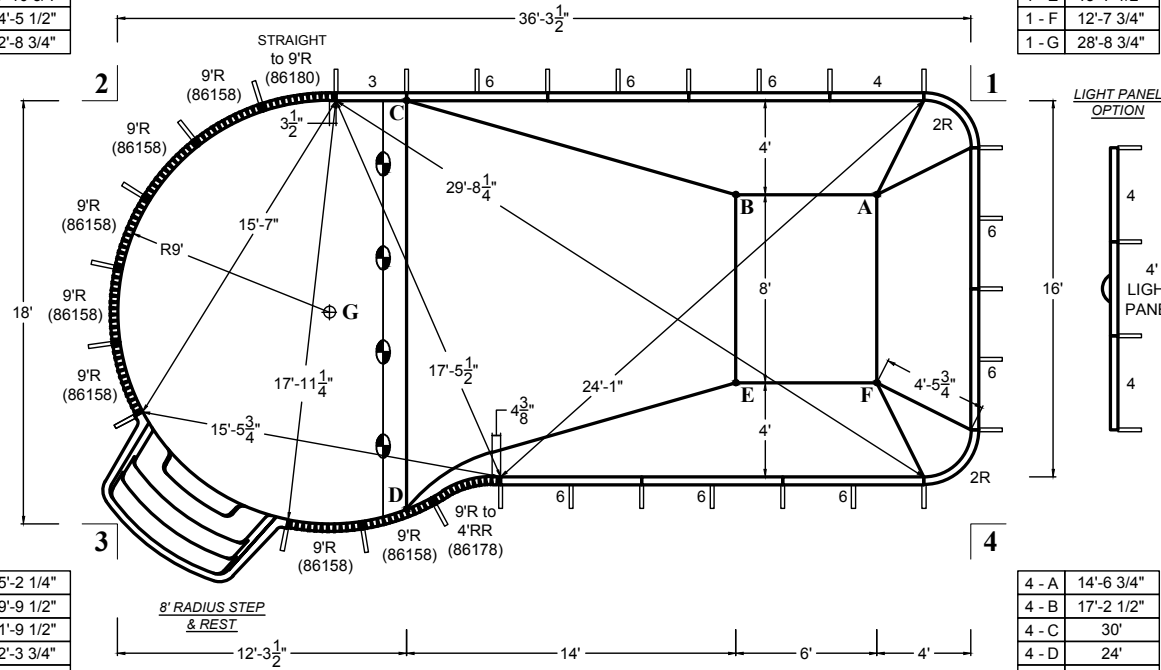
1 - 3	40'-6"
2 - 4	

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	29'-7 1/2"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	28'-8 3/4"

G - A	23'-9 3/4"
G - B	18'
G - C	9'-7"
G - D	9'
G - E	17'-6 1/2"
G - F	23'-5 3/4"

3 - A	35'-2 1/4"
3 - B	29'-9 1/2"
3 - C	21'-9 1/2"
3 - D	12'-3 3/4"
3 - E	26'-11 1/2"
3 - F	32'-10 1/4"
3 - G	12'-8 3/4"

4 - A	14'-6 3/4"
4 - B	17'-2 1/2"
4 - C	30'
4 - D	24'
4 - E	11'-8"
4 - F	7'-2 1/2"
4 - G	28'-8 3/4"



POOL SURFACE AREA	570.1 ft ²	LINER SQ. FT.	653.25 ft ²
POOL VOLUME	18800 gal	POOL PERIMETER	97'-6"
	71150 L		29.71 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 3' PLAIN PANEL	42108
4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
8 6' PLAIN PANEL w/ RETURN	42107
2 2' RADIUS CORNER PANEL	42110
9 VERSA-FLEX PANEL	42115
7 9'R PANEL STRAP SET	86158S
1 9'R to 4'RR STRAP SET	86178S
1 STRAIGHT to 9'R STRAP SET	86180S
234 PUSH NUTS	09115
30 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

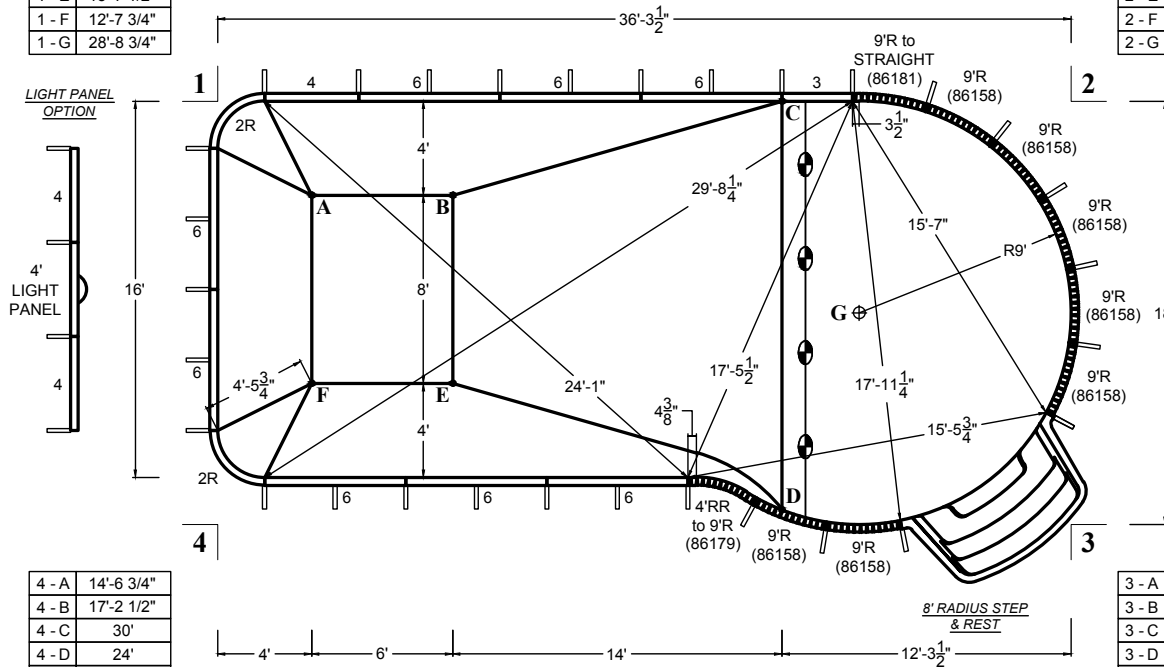
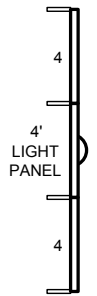
KEYHOLE - 2' RADIUS
REVERSE VIEW - 18' x 36'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	29'-7 1/2"
1 - E	15'-7 1/2"
1 - F	12'-7 3/4"
1 - G	28'-8 3/4"

1 - 3	40'-6"
2 - 4	

2 - A	32'-6 1/2"
2 - B	26'-7 1/4"
2 - C	12'-3 1/2"
2 - D	21'-3 1/2"
2 - E	28'-10 3/4"
2 - F	34'-5 1/2"
2 - G	12'-8 3/4"

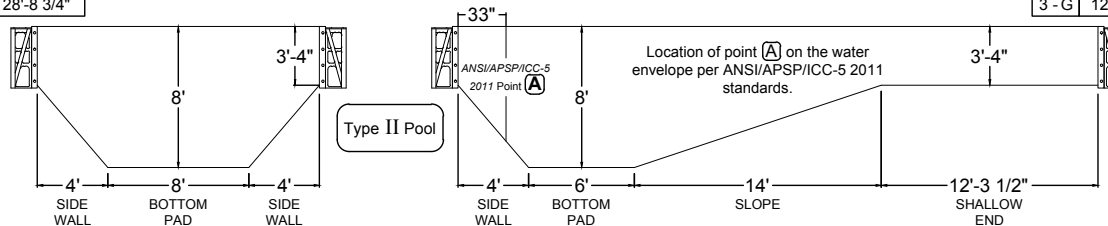
LIGHT PANEL
OPTION



G - A	23'-9 3/4"
G - B	18'
G - C	9'-7"
G - D	9'
G - E	17'-6 1/2"
G - F	23'-5 3/4"

4 - A	14'-6 3/4"
4 - B	17'-2 1/2"
4 - C	30'
4 - D	24'
4 - E	11'-8"
4 - F	7'-2 1/2"
4 - G	28'-8 3/4"

3 - A	35'-2 1/4"
3 - B	29'-9 1/2"
3 - C	21'-9 1/2"
3 - D	12'-3 3/4"
3 - E	26'-11 1/2"
3 - F	32'-10 1/4"
3 - G	12'-8 3/4"



POOL SURFACE AREA	570.1 ft ²	LINER SQ. FT.	653.25 ft ²
POOL VOLUME	18800 gal	POOL PERIMETER	97'-6"
	71150 L		29.71 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
3' PLAIN PANEL	42108
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
VERSA-FLEX PANEL	42115
9'R PANEL STRAP SET	86158S
4'RR to 9'R STRAP SET	86179S
9'R to STRAIGHT STRAP SET	86181S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

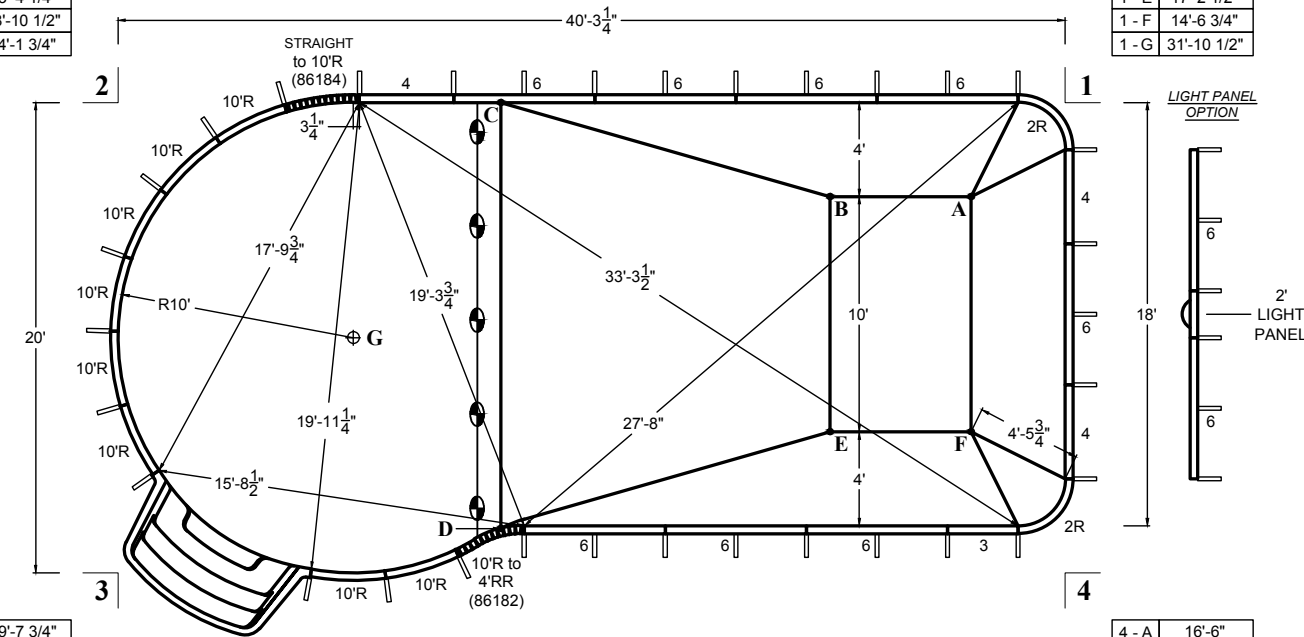
**KEYHOLE - 2' RADIUS
STANDARD VIEW - 20' x 40'**

2 - A	36'-6"
2 - B	30'-6 1/2"
2 - C	16'-3 1/4"
2 - D	24'-4 1/4"
2 - E	33'-4 1/4"
2 - F	38'-10 1/2"
2 - G	14'-1 3/4"

1 - 3	44'-11 1/2"
2 - 4	

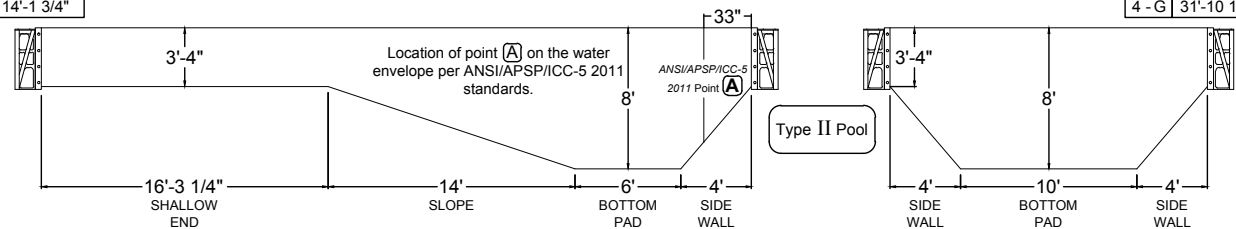
1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'-0 3/4"
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-10 1/2"

G - A	26'-11 1/2"
G - B	21'-1 3/4"
G - C	11'-9 3/4"
G - D	10'-3"
G - E	20'-8"
G - F	26'-7"



3 - A	39'-7 3/4"
3 - B	34'-3"
3 - C	25'-9 1/2"
3 - D	16'-4 1/2"
3 - E	30'-10 1/4"
3 - F	36'-9 1/4"
3 - G	14'-1 3/4"

4 - A	16'-6"
4 - B	18'-10 1/2"
4 - C	31'-3"
4 - D	24'-1"
4 - E	11'-8"
4 - F	7'-2 1/2"
4 - G	31'-10 1/2"



POOL SURFACE AREA	708.6 ft ²	LINER SQ. FT.	805.4167 ft ²
POOL VOLUME	22750 gal	POOL PERIMETER	108'-8"
	86100 L		33.12 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
1	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
8	6' PLAIN PANEL w/ RETURN	42107
2	2' RADIUS CORNER PANEL	42110
8	10' RADIUS PANEL	42112
2	VERSA-FLEX PANEL	42115
1	10'R to 4'RR STRAP SET	86182S
1	STRAIGHT to 10'R STRAP SET	86184S
52	PUSH NUTS	09115
33	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

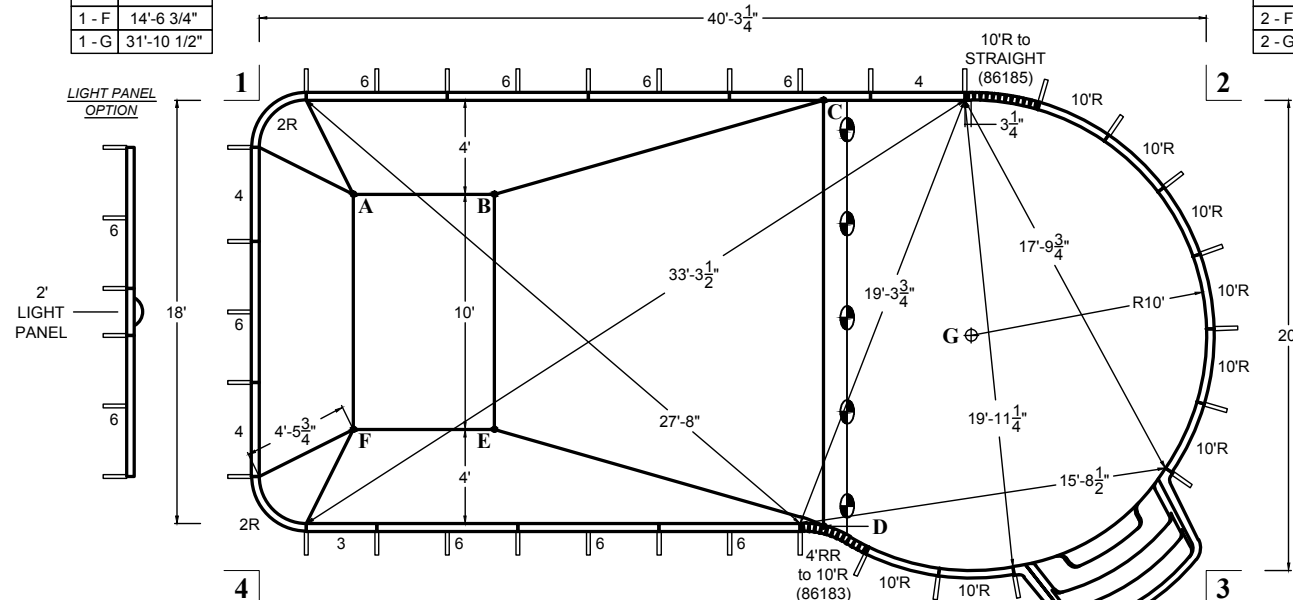
MATRIX
POOL SYSTEM

KEYHOLE - 2' RADIUS
REVERSE VIEW - 20' x 40'

1 - A	5'-8"
1 - B	10'-9 1/4"
1 - C	24"
1 - D	30'-0 3/4"
1 - E	17'-2 1/2"
1 - F	14'-6 3/4"
1 - G	31'-10 1/2"

1 - 3	44'-11 1/2"
2 - 4	

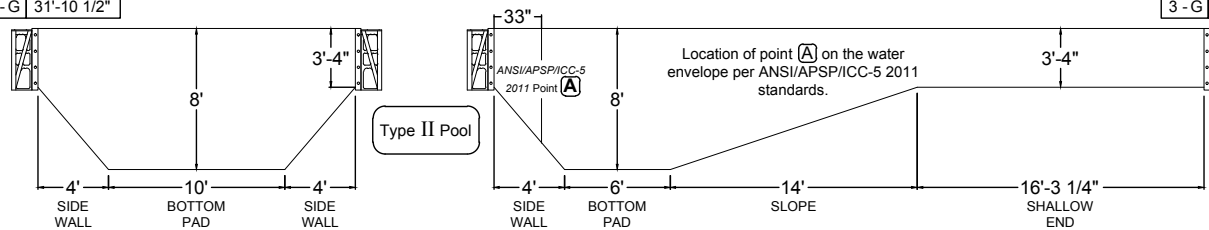
2 - A	36'-6"
2 - B	30'-6 1/2"
2 - C	16'-3 1/4"
2 - D	24'-4 1/4"
2 - E	33'-4 1/4"
2 - F	38'-10 1/2"
2 - G	14'-1 3/4"



G - A	26'-11 1/2"
G - B	21'-1 3/4"
G - C	11'-9 3/4"
G - D	10'-3"
G - E	20'-8"
G - F	26'-7"

4 - A	16'-6"
4 - B	18'-10 1/2"
4 - C	31'-3"
4 - D	24'-1"
4 - E	11'-8"
4 - F	7'-2 1/2"
4 - G	31'-10 1/2"

3 - A	39'-7 3/4"
3 - B	34'-3"
3 - C	25'-9 1/2"
3 - D	16'-4 1/2"
3 - E	30'-10 1/4"
3 - F	36'-9 1/4"
3 - G	14'-1 3/4"



POOL SURFACE AREA	708.6 ft ²	LINER SQ. FT.	805.4167 ft ²
POOL VOLUME	22750 gal	POOL PERIMETER	108'-8"
	86100 L		33.12 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
1	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
8	6' PLAIN PANEL w/ RETURN	42107
2	2' RADIUS CORNER PANEL	42110
8	10' RADIUS PANEL	42112
2	VERSA-FLEX PANEL	42115
1	4'RR to 10'R STRAP SET	86183S
1	10'R to STRAIGHT STRAP SET	86185S
52	PUSH NUTS	09115
33	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	2' STANDARD LIGHT PANEL	42102L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

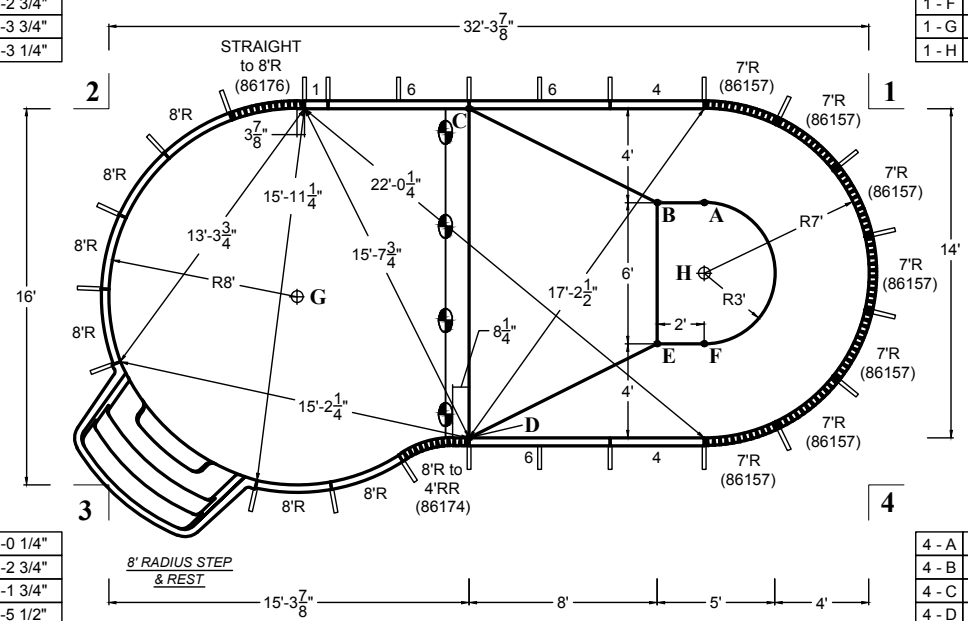
**KEYHOLE - FULL RADIUS
STANDARD VIEW - 16' x 32'**

2 - A	25'-7 3/4"
2 - B	23'-8"
2 - C	15'-4"
2 - D	20'-9"
2 - E	25'-4 1/2"
2 - F	27'-2 3/4"
2 - G	11'-3 3/4"
2 - H	26'-3 1/4"

1 - 3	36'-0 3/4"
2 - 4	

1 - A	8'-0 3/4"
1 - B	9'-10 1/4"
1 - C	17'
1 - D	22'-0 1/4"
1 - E	13'-5 1/2"
1 - F	12'-2 1/2"
1 - G	25'-7 1/4"
1 - H	9'-10 3/4"

G - A	17'-9 1/4"
G - B	15'-10"
G - C	10'-10 1/4"
G - D	9'-5 1/2"
G - E	15'-5 1/2"
G - F	17'-5 1/4"
G - H	17'-4 1/4"

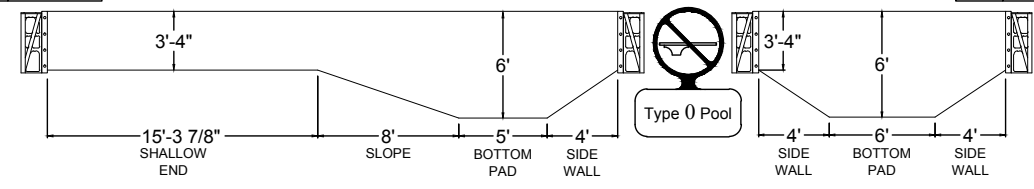


LIGHT PANEL
OPTION

H - A	3'
H - B	3'-7 1/4"
H - C	12'-2 1/2"
H - D	12'-2 1/2"
H - E	3'-7 1/4"
H - F	3'
H - G	17'-4 1/4"

3 - A	28'-0 1/4"
3 - B	26'-2 3/4"
3 - C	22'-1 3/4"
3 - D	15'-5 1/2"
3 - E	24'-1"
3 - F	26'-0 1/4"
3 - G	11'-3 3/4"
3 - H	26'-10 1/2"

4 - A	13'-10 3/4"
4 - B	15'
4 - C	23'-4 1/4"
4 - D	17'-1 1/2"
4 - E	10'-9 3/4"
4 - F	9'-2 3/4"
4 - G	25'-7 1/4"
4 - H	11'-4 3/4"



POOL SURFACE AREA	→ 427.4 ft ²	LINER SQ. FT.	→ 516.00 ft ²
POOL VOLUME	→ 11650 gal	POOL PERIMETER	→ 82'-2"
	44100 L		25.04 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #	
1	1' PLAIN PANEL	42101
1	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
3	6' PLAIN PANEL w/ RETURN	42107
6	8' RADIUS PANEL	42111
9	VERSA-FLEX PANEL	42115
7	7' RADIUS STRAP SET	86157S
1	8'R to 4'RR STRAP SET	86174S
1	STRAIGHT to 8'R STRAP SET	86176S
234	PUSH NUTS	09115
25	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12"	3/8"-16X HEX WASHER HEAD BOLT	148838
12"	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at
step connection

This configuration is only available with 8' Radius
Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current
ANSI/APSP/ICC-5 2011 suggested minimum standards for
pools that are NOT approved for diving.

KEYHOLE - FULL RADIUS
REVERSE VIEW - 16' x 32'

1 - A	8'-0 3/4"
1 - B	9'-10 1/4"
1 - C	17'
1 - D	22'-0 1/4"
1 - E	13'-5 1/2"
1 - F	12'-2 1/2"
1 - G	25'-7 1/4"
1 - H	9'-10 3/4"

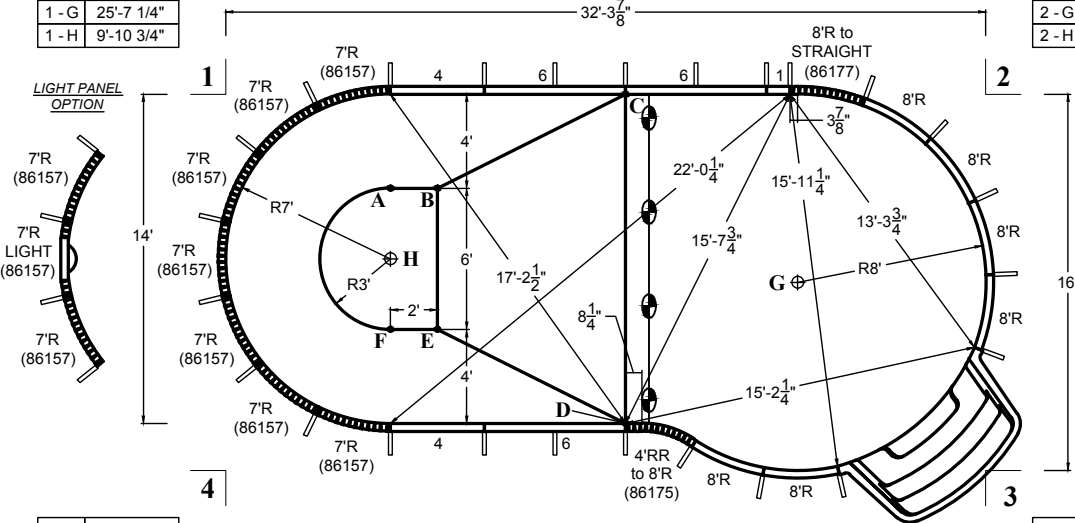
1 - 3	36'-0 3/4"
2 - 4	

2 - A	25'-7 3/4"
2 - B	23'-8"
2 - C	15'-4"
2 - D	20'-9"
2 - E	25'-4 1/2"
2 - F	27'-2 3/4"
2 - G	11'-3 3/4"
2 - H	26'-3 1/4"

H - A	3'
H - B	3'-7 1/4"
H - C	12'-2 1/2"
H - D	12'-2 1/2"
H - E	3'-7 1/4"
H - F	3'
H - G	17'-4 1/4"

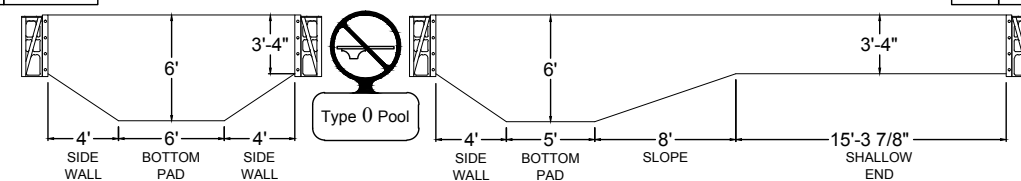
G - A	17'-9 1/4"
G - B	15'-10"
G - C	10'-10 1/4"
G - D	9'-5 1/2"
G - E	15'-5 1/2"
G - F	17'-5 1/4"
G - H	17'-4 1/4"

LIGHT PANEL
OPTION



4 - A	13'-10 3/4"
4 - B	15'
4 - C	23'-4 1/4"
4 - D	17'-1 1/2"
4 - E	10'-9 3/4"
4 - F	9'-2 3/4"
4 - G	25'-7 1/4"
4 - H	11'-4 3/4"

3 - A	28'-0 1/4"
3 - B	26'-2 3/4"
3 - C	22'-1 3/4"
3 - D	15'-5 1/2"
3 - E	24'-1"
3 - F	26'-0 1/4"
3 - G	11'-3 3/4"
3 - H	26'-10 1/2"



POOL SURFACE AREA	427.4 ft ²	LINER SQ. FT.	516.00 ft ²
POOL VOLUME	11650 gal	POOL PERIMETER	82'-2"
	44100 L		25.04 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
1' PLAIN PANEL	42101
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
8' RADIUS PANEL	42111
VERSA-FLEX PANEL	42115
7' RADIUS STRAP SET	86157S
4'RR to 8'R STRAP SET	86175S
8'R to STRAIGHT STRAP SET	86177S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at
step connection

This configuration is only available with 8' Radius
Step & Rest or 8' Radius Step & Spa.

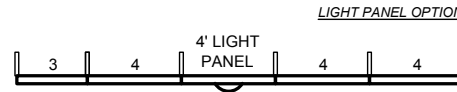
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current
ANSI/APSP/ICC-5 2011 suggested minimum standards for
pools that are NOT approved for diving.

**KEYHOLE - FULL RADIUS
STANDARD VIEW - 18' x 36"**

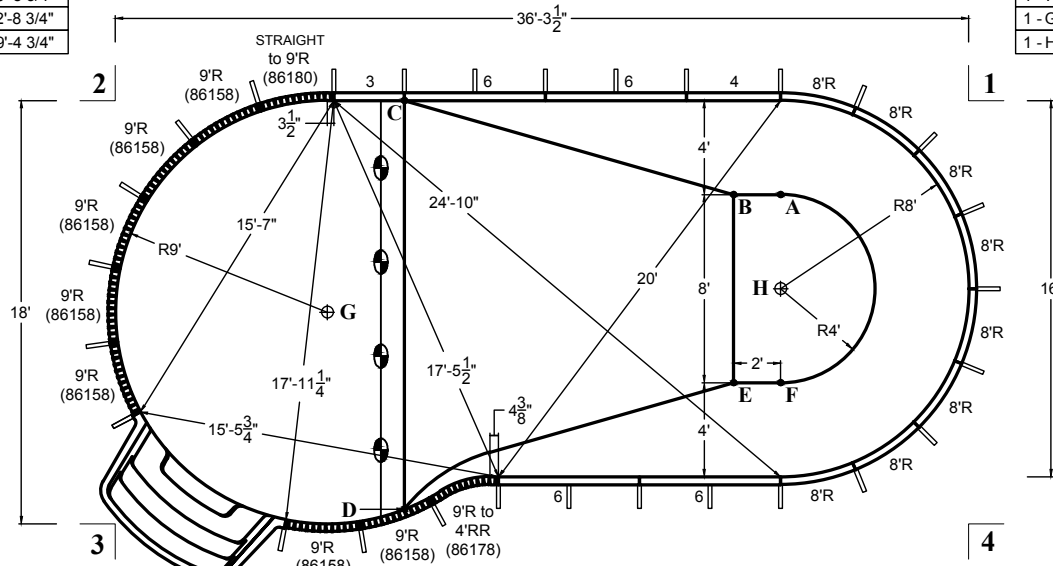
2 - A	28'-7"
2 - B	26'-7 1/4"
2 - C	12'-3 1/2"
2 - D	21'-3 1/2"
2 - E	28'-10 3/4"
2 - F	30'-8 3/4"
2 - G	12'-8 3/4"
2 - H	29'-4 3/4"

1 - 3	40'-6"
2 - 4	



1 - A	8'-11 1/4"
1 - B	10'-9 1/4"
1 - C	24"
1 - D	29'-7 1/2"
1 - E	15'-7 1/2"
1 - F	14'-5"
1 - G	28'-8 3/4"
1 - H	11'-3 3/4"

G - A	19'-11 1/4"
G - B	18'
G - C	9'-7"
G - D	9'
G - E	17'-6 1/2"
G - F	19'-6 1/4"
G - H	19'-3 3/4"

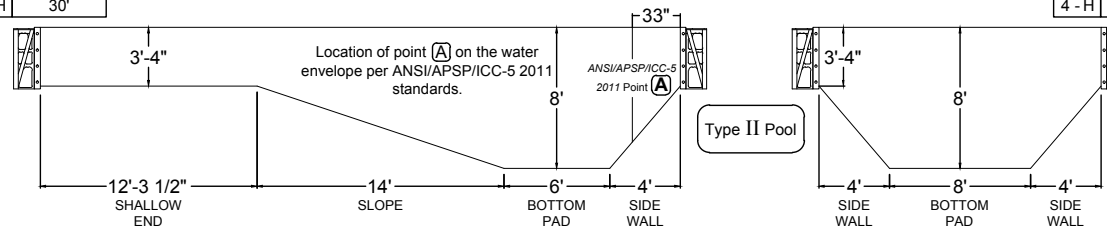


H - A	4'
H - B	4'-5 3/4"
H - C	17'-10 3/4"
H - D	18'-6 1/2"
H - E	4'-5 3/4"
H - F	4'
H - G	19'-3 3/4"

3 - A	31'-6 3/4"
3 - B	29'-9 1/2"
3 - C	21'-9 1/2"
3 - D	12'-3 3/4"
3 - E	26'-11 1/2"
3 - F	28'-11"
3 - G	12'-8 3/4"
3 - H	30'

8' RADIUS STEP & REST

4 - A	16'-1 1/2"
4 - B	17'-2 1/2"
4 - C	30'
4 - D	24"
4 - E	11'-8"
4 - F	10'
4 - G	28'-8 3/4"
4 - H	12'-9 3/4"



POOL SURFACE AREA	→ 544.3 ft ²	LINER SQ. FT.	→ 653.25 ft ²
POOL VOLUME	→ 18300 gal	POOL PERIMETER	→ 92'-5"
	69250 L		28.17 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 3' PLAIN PANEL	42108
4 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
4 6' PLAIN PANEL w/ RETURN	42107
8 8' RADIUS PANEL	42111
9 VERSA-FLEX PANEL	42115
7 9'R PANEL STRAP SET	86158S
1 9'R to 4'RR STRAP SET	86178S
1 STRAIGHT to 9'R STRAP SET	86180S
234 PUSH NUTS	09115
28 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

**KEYHOLE - FULL RADIUS
REVERSE VIEW - 18' x 36'**

1 - A	8'-11 1/4"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	29'-7 1/2"
1 - E	15'-7 1/2"
1 - F	14'-5"
1 - G	28'-8 3/4"
1 - H	11'-3 3/4"

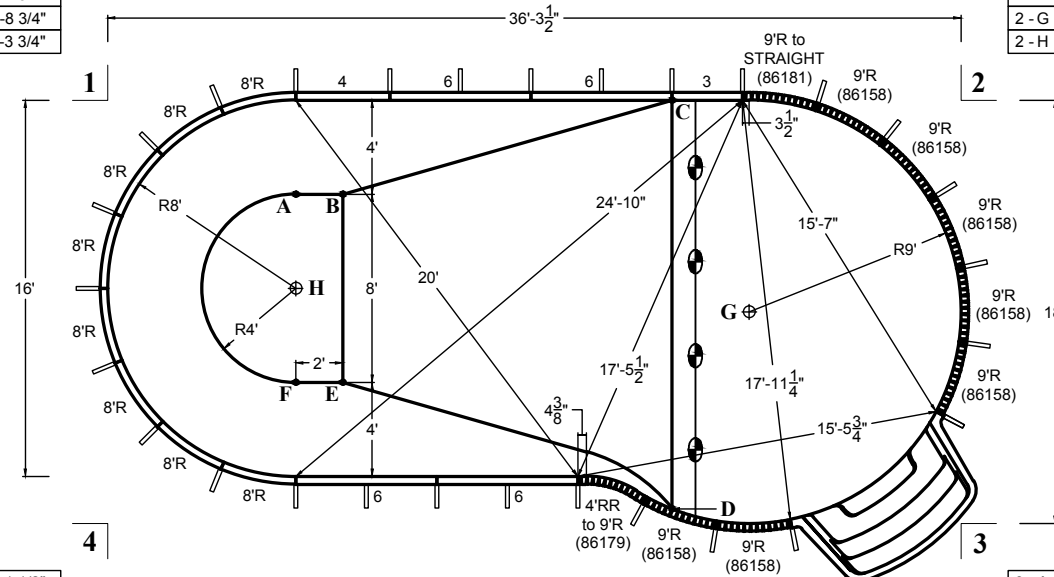
1 - 3	40'-6"
2 - 4	

LIGHT PANEL OPTION



2 - A	28'-7"
2 - B	26'-7 1/4"
2 - C	12'-3 1/2"
2 - D	21'-3 1/2"
2 - E	28'-10 3/4"
2 - F	30'-8 3/4"
2 - G	12'-8 3/4"
2 - H	29'-4 3/4"

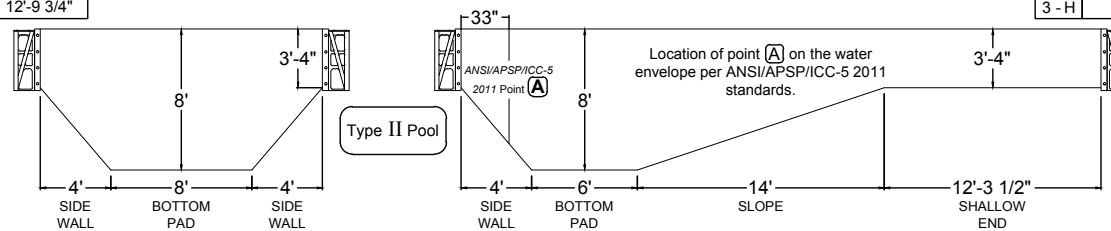
H - A	4'
H - B	4'-5 3/4"
H - C	17'-10 3/4"
H - D	18'-6 1/2"
H - E	4'-5 3/4"
H - F	4'
H - G	19'-3 3/4"



G - A	19'-11 1/4"
G - B	18'
G - C	9'-7"
G - D	9'
G - E	17'-6 1/2"
G - F	19'-6 1/4"
G - H	19'-3 3/4"

4 - A	16'-1 1/2"
4 - B	17'-2 1/2"
4 - C	30'
4 - D	24'
4 - E	11'-8"
4 - F	10'
4 - G	28'-8 3/4"
4 - H	12'-9 3/4"

3 - A	31'-6 3/4"
3 - B	29'-9 1/2"
3 - C	21'-9 1/2"
3 - D	12'-3 3/4"
3 - E	26'-11 1/2"
3 - F	28'-11"
3 - G	12'-8 3/4"
3 - H	30'



POOL SURFACE AREA	544.3 ft ²	LINER SQ. FT.	653.25 ft ²
POOL VOLUME	18300 gal	POOL PERIMETER	92'-5"
	69250 L		28.17 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
1	3' PLAIN PANEL	42108
	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
4	6' PLAIN PANEL w/ RETURN	42107
8	8' RADIUS PANEL	42111
9	VERSA-FLEX PANEL	42115
7	9'R PANEL STRAP SET	86158S
1	4'RR to 9'R STRAP SET	86179S
1	9'R to STRAIGHT STRAP SET	86181S
234	PUSH NUTS	09115
28	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

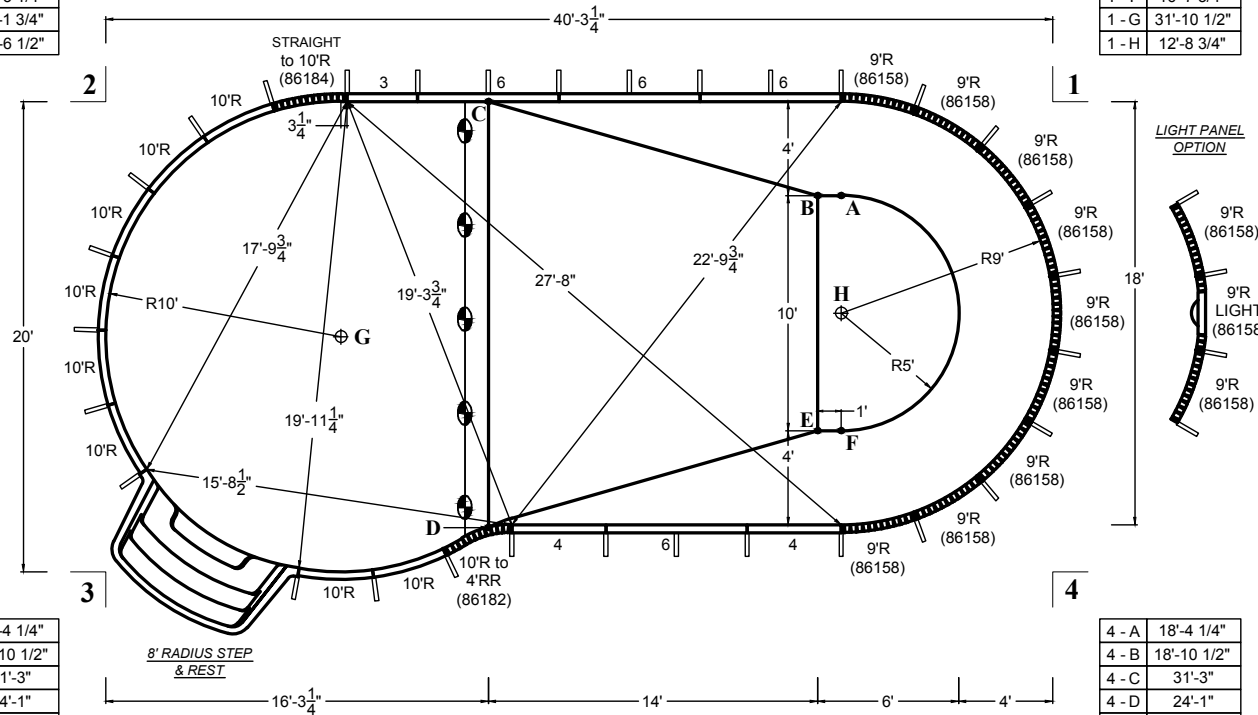
**KEYHOLE - FULL RADIUS
STANDARD VIEW - 20' x 40'**

2 - A	31'-6 1/4"
2 - B	30'-6 1/2"
2 - C	16'-3 1/4"
2 - D	24'-4 1/4"
2 - E	33'-4 1/4"
2 - F	34'-3 1/4"
2 - G	14'-1 3/4"
2 - H	32'-6 1/2"

1 - 3	44'-11 1/2"
2 - 4	

1 - A	9'-10 1/4"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'-0 3/4"
1 - E	17'-2 1/2"
1 - F	16'-7 3/4"
1 - G	31'-10 1/2"
1 - H	12'-8 3/4"

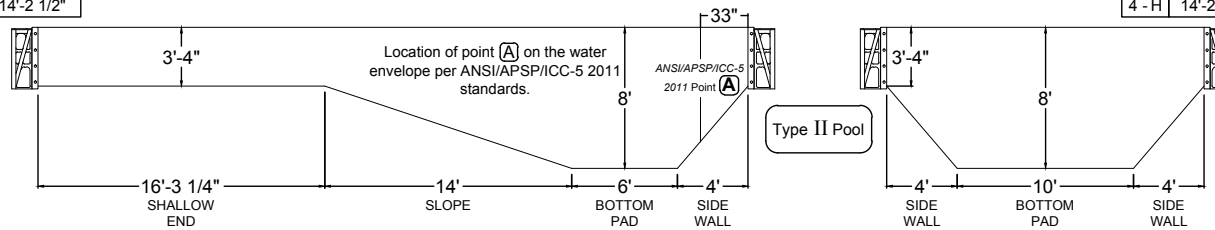
G - A	22'-1 1/4"
G - B	21'-1 3/4"
G - C	11'-9 3/4"
G - D	10'-3"
G - E	20'-8"
G - F	21'-7 3/4"
G - H	21'-3 1/2"



H - A	5'
H - B	5'-1 1/4"
H - C	17'-6"
H - D	17'-6 1/2"
H - E	5'-1 1/4"
H - F	5'
H - G	21'-3 1/2"

3 - A	18'-4 1/4"
3 - B	18'-10 1/2"
3 - C	31'-3"
3 - D	24'-1"
3 - E	11'-8"
3 - F	10'-9 3/4"
3 - G	31'-10 1/2"
3 - H	14'-2 1/2"

4 - A	18'-4 1/4"
4 - B	18'-10 1/2"
4 - C	31'-3"
4 - D	24'-1"
4 - E	11'-8"
4 - F	10'-9 3/4"
4 - G	31'-10 1/2"
4 - H	14'-2 1/2"



POOL SURFACE AREA	→ 675.5 ft ²	LINER SQ. FT.	→ 805.4167 ft ²
POOL VOLUME	→ 22000 gal	POOL PERIMETER	→ 102'-7"
	83250 L		31.26 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
1	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
4	6' PLAIN PANEL w/ RETURN	42107
8	10' RADIUS PANEL	42112
11	VERSA-FLEX PANEL	42115
9	9'R PANEL STRAP SET	86158S
1	10'R to 4'RR STRAP SET	86182S
1	STRAIGHT to 10'R STRAP SET	86184S
286	PUSH NUTS	09115
31	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12"	3/8"-16X HEX WASHER HEAD BOLT	148838
12"	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

**KEYHOLE - FULL RADIUS
REVERSE VIEW - 20' x 40'**

POOL SURFACE AREA	675.5 ft ²	LINER SQ. FT.	805.4167 ft ²
POOL VOLUME	22000 gal	POOL PERIMETER	102'-7"
	83250 L		31.26 m

**DIVING PERMITTED ONLY FROM
DESIGNATED DIVING AREA**

ITEM DESCRIPTION	PART #
1 3' PLAIN PANEL	42108
1 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
4 6' PLAIN PANEL w/ RETURN	42107
8 10' RADIUS PANEL	42112
11 VERSA-FLEX PANEL	42115
9 9'R PANEL STRAP SET	86158S
1 4'RR to 10'R STRAP SET	86183S
1 10'R to STRAIGHT STRAP SET	86185S
286 PUSH NUTS	09115
31 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at
step connection

This configuration is only available with 8' Radius
Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

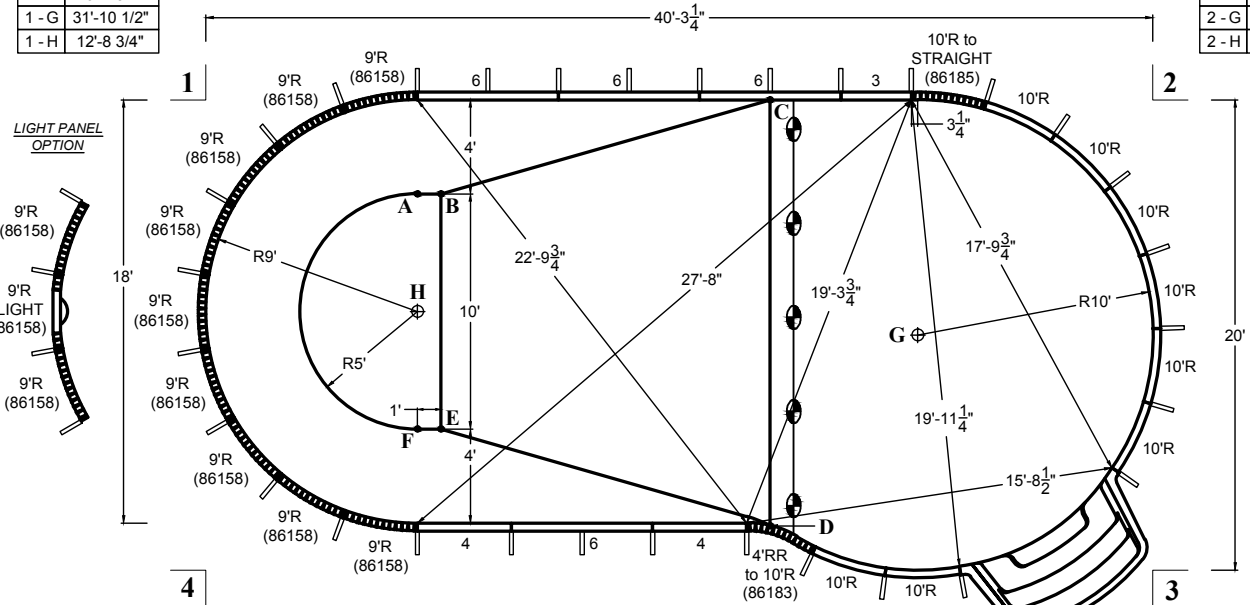
1 - A	9'-10 1/4"
1 - B	10'-9 1/4"
1 - C	24'
1 - D	30'-0 3/4"
1 - E	17'-2 1/2"
1 - F	16'-7 3/4"
1 - G	31'-10 1/2"
1 - H	12'-8 3/4"

1 - 3	44'-11 1/2"
2 - 4	

2 - A	31'-6 1/4"
2 - B	30'-6 1/2"
2 - C	16'-3 1/4"
2 - D	24'-4 1/4"
2 - E	33'-4 1/4"
2 - F	34'-3 1/4"
2 - G	14'-1 3/4"
2 - H	32'-6 1/2"

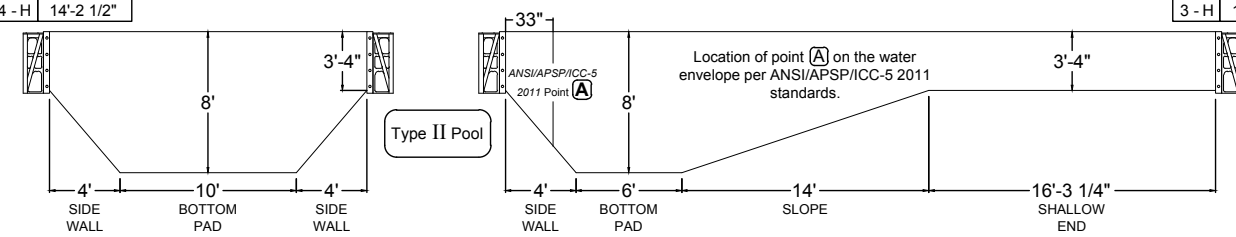
H - A	5'
H - B	5'-1 1/4"
H - C	17'-6"
H - D	17'-6 1/2"
H - E	5'-1 1/4"
H - F	5'
H - G	21'-3 1/2"

G - A	22'-1 1/4"
G - B	21'-1 3/4"
G - C	11'-9 3/4"
G - D	10'-3"
G - E	20'-8"
G - F	21'-7 3/4"
G - H	21'-3 1/2"



4 - A	18'-4 1/4"
4 - B	18'-10 1/2"
4 - C	31'-3"
4 - D	24'-1"
4 - E	11'-8"
4 - F	10'-9 3/4"
4 - G	31'-10 1/2"
4 - H	14'-2 1/2"

3 - A	18'-4 1/4"
3 - B	18'-10 1/2"
3 - C	31'-3"
3 - D	24'-1"
3 - E	11'-8"
3 - F	10'-9 3/4"
3 - G	31'-10 1/2"
3 - H	14'-2 1/2"



ROMAN END
16' x 37'

POOL SURFACE AREA	550.0 ft ²	LINER SQ. FT.	598.4648 ft ²
POOL VOLUME	18000 gal	POOL PERIMETER	95'-8"
	68150 L		29.16 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

6' RADIUS STEP	8' SIDE STEP	NO STEP	ITEM DESCRIPTION	PART #
4	4	4	6" PLAIN PANEL	42100
1	2	1	4' PLAIN PANEL	42106
1	1	1	4' SKIMMER PANEL	42106S
8	6	8	6' PLAIN PANEL w/ RETURN	42107
4	4	4	2' RADIUS CORNER PANEL	42110
6	8	8	VERSA-FLEX PANEL	42115
2	4	4	6'R PANEL STRAP SET	86156S
2	2	2	2'RR to 6'R STRAP SET	86186S
2	2	2	6'R to 2'RR STRAP SET	86187S
156	208	208	PUSH NUTS	09115
33	32	34	BRACE SYSTEM COMPLETE	42146
1			6' RADIUS STEP & REST	07416RSNR
	1		8' STEP & REST	07418SNR
12"	12"		3/8"-16X HEX WASHER HEAD BOLT	148838
12"	12"		3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24'
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	31'-9"
1 - H	10'-1 1/2"
1 - J	11'-5"

1 - 3	40'-1 3/4"
2 - 4	

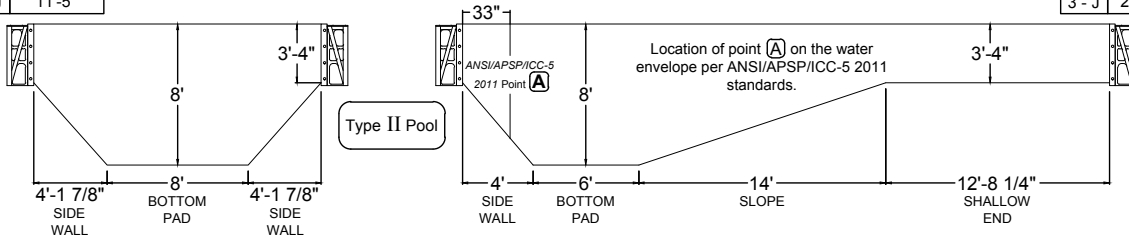
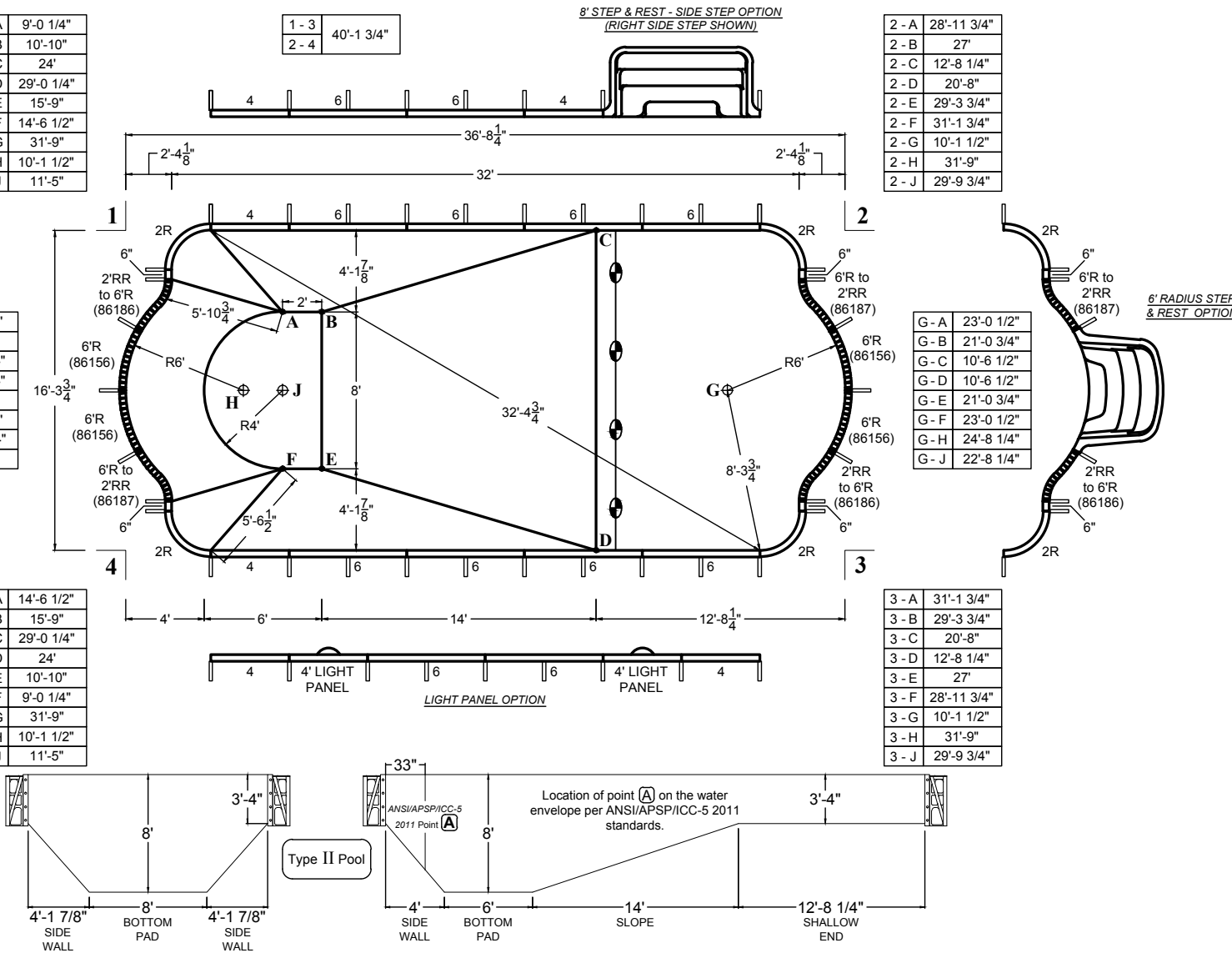
2 - A	28'-11 3/4"
2 - B	27'
2 - C	12'-8 1/4"
2 - D	20'-8"
2 - E	29'-3 3/4"
2 - F	31'-1 3/4"
2 - G	10'-1 1/2"
2 - H	31'-9"
2 - J	29'-9 3/4"

H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	24'-8 1/4"
H - J	2'

G - A	23'-0 1/2"
G - B	21'-0 3/4"
G - C	10'-6 1/2"
G - D	10'-6 1/2"
G - E	21'-0 3/4"
G - F	23'-0 1/2"
G - H	24'-8 1/4"
G - J	22'-8 1/4"

4 - A	14'-6 1/2"
4 - B	15'-9"
4 - C	29'-0 1/4"
4 - D	24'
4 - E	10'-10"
4 - F	9'-0 1/4"
4 - G	31'-9"
4 - H	10'-1 1/2"
4 - J	11'-5"

3 - A	31'-1 3/4"
3 - B	29'-3 3/4"
3 - C	20'-8"
3 - D	12'-8 1/4"
3 - E	27'
3 - F	28'-11 3/4"
3 - G	10'-1 1/2"
3 - H	31'-9"
3 - J	29'-9 3/4"



JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END
16' x 37'

1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24'
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	34'-9"
1 - H	10'-1 1/2"
1 - J	11'-5"

1 - 3	41'-9 1/4"
2 - 4	

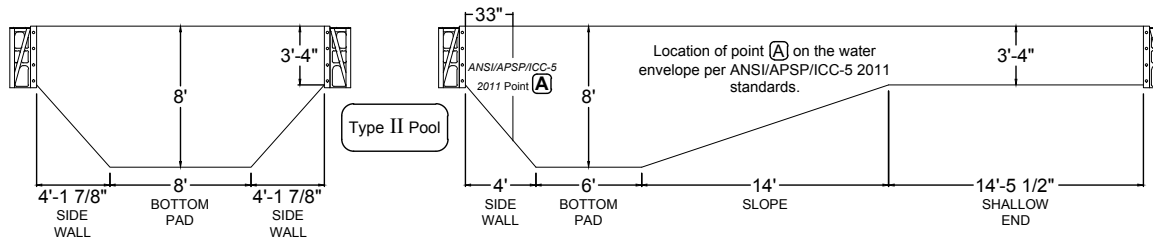
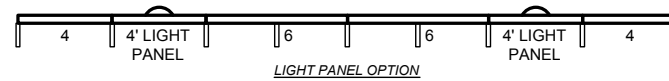
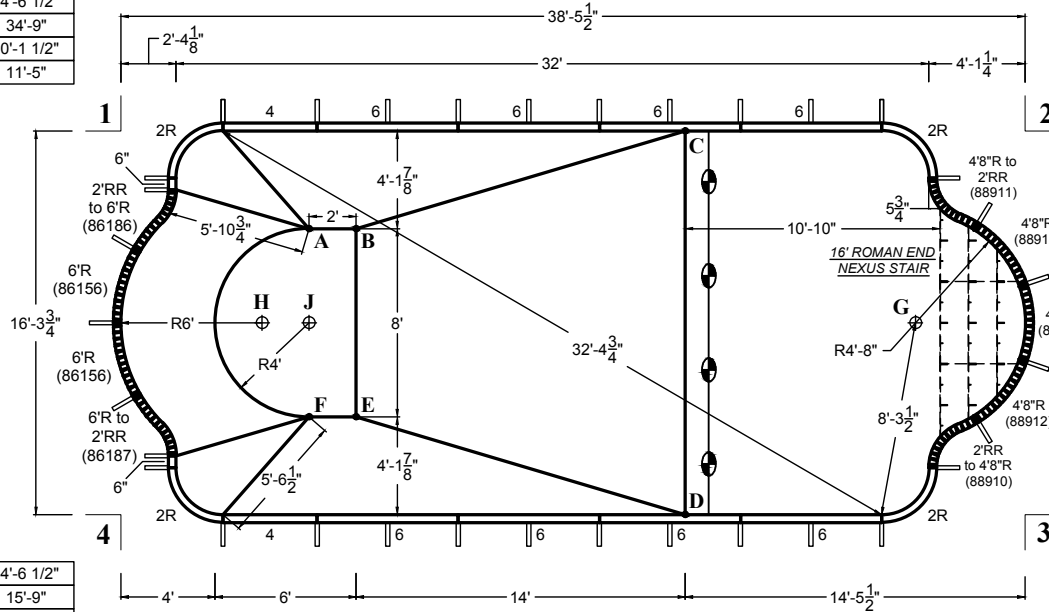
2 - A	30'-8 3/4"
2 - B	28'-9"
2 - C	14'-5 1/2"
2 - D	21'-9 1/2"
2 - E	30'-11 1/4"
2 - F	32'-9 1/2"
2 - G	9'-4 3/4"
2 - H	33'-5 1/2"
2 - J	31'-6 1/4"

H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	27'-9 1/2"
H - J	2'

G - A	26'-1"
G - B	24'-1 1/2"
G - C	12'-8 3/4"
G - D	12'-8 3/4"
G - E	24'-1 1/2"
G - F	26'-1"
G - H	27'-9 1/2"
G - J	25'-9 1/2"

4 - A	14'-6 1/2"
4 - B	15'-9"
4 - C	29'-0 1/4"
4 - D	24'
4 - E	10'-10"
4 - F	9'-0 1/4"
4 - G	34'-9"
4 - H	10'-1 1/2"
4 - J	11'-5"

3 - A	32'-9 1/2"
3 - B	30'-11 1/4"
3 - C	21'-9 1/2"
3 - D	14'-5 1/2"
3 - E	28'-9"
3 - F	30'-8 3/4"
3 - G	9'-4 3/4"
3 - H	33'-5 1/2"
3 - J	31'-6 1/4"



NEXUS END STAIR

POOL SURFACE AREA	564.1 ft ²	LINER SQ. FT.	568.2188 ft ²
POOL VOLUME	18500 gal	POOL PERIMETER	97'-10"
	70000 L		29.82 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION		PART #
2	6" PLAIN PANEL	42100
1	4' PLAIN PANEL	42106
1	4' SKIMMER PANEL	42106S
8	6' PLAIN PANEL w/ RETURN	42107
4	2' RADIUS CORNER PANEL	42110
9	VERSA-FLEX PANEL	42115
2	6'R PANEL STRAP SET	86156S
3	4'8"R PANEL STRAP SET	88912S
1	2'RR to 6'R STRAP SET	86186S
1	6'R to 2'RR STRAP SET	86187S
1	2'RR to 4'8"R STRAP SET	88910S
1	4'8"R to 2'RR STRAP SET	88911S
234	PUSH NUTS	09115
33	BRACE SYSTEM COMPLETE	42146
1	16' ROMAN END NEXUS STAIR	NSS019
	CHANNEL-LOC SONOTUBE	86151
	4' STANDARD LIGHT PANEL	42106L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END
18' x 38'

POOL SURFACE AREA	627.7 ft ²	LINER SQ. FT.	686.8954 ft ²
POOL VOLUME	20100 gal	POOL PERIMETER	100'
	76100 L		30.48 m

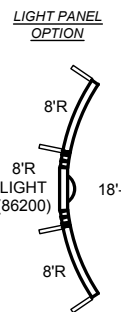
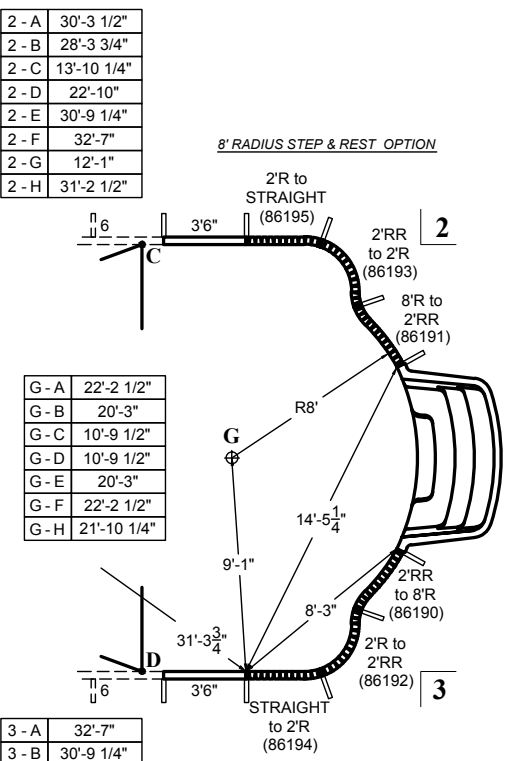
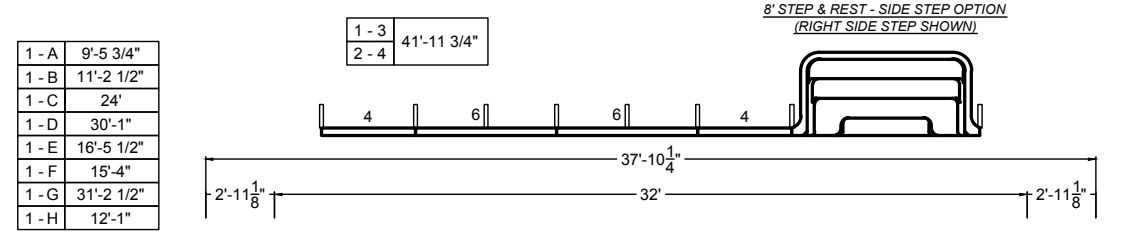
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
3'6" PLAIN PANEL	42105
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
8' RADIUS PANEL	42111
VERSA-FLEX PANEL	42115
2'RR to 8'R STRAP SET	86188S
8'R to 2'RR STRAP SET	86189S
2'RR to 8'R STRAP SET	86190S
8'R to 2'RR STRAP SET	86191S
2'R to 2'RR STRAP SET	86192S
2'RR to 2'R STRAP SET	86193S
STRAIGHT to 2'R STRAP SET	86194S
2'R to STRAIGHT STRAP SET	86195S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

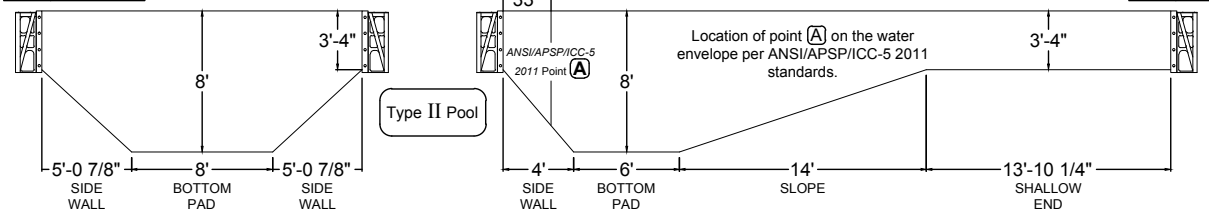
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



H - A	4'
H - B	4'-5 3/4"
H - C	18'-4 3/4"
H - D	18'-4 3/4"
H - E	4'-5 3/4"
H - F	4'
H - G	21'-10 1/4"

4 - A	15'-4"
4 - B	16'-5 1/2"
4 - C	30'-1"
4 - D	24'
4 - E	11'-2 1/2"
4 - F	9'-5 3/4"
4 - G	31'-2 1/2"
4 - H	12'-1"



JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END
18' x 38'

POOL SURFACE AREA	646.7 ft ² 60.1 m ²	LINER SQ. FT.	655.5182 ft ²
POOL VOLUME	20900 gal 79100 L	POOL PERIMETER	103'-1" 31.42 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

NEXUS END STAIR
↓
↓
↓

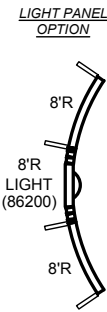
ITEM DESCRIPTION	PART #
1 4' PLAIN PANEL	42106
1 4' SKIMMER PANEL	42106S
8 6' PLAIN PANEL w/ RETURN	42107
4 2' RADIUS CORNER PANEL	42110
3 8' RADIUS PANEL	42111
8 VERSA-FLEX PANEL	42115
4 5'3 1/4"R PANEL STRAP SET	86309S
1 2'RR to 8'R STRAP SET	86188S
1 8'R to 2'RR STRAP SET	86189S
1 2'1 1/2"RR to 5'3 1/4"R STRAP SET	88908S
1 5'3 1/4"R to 2'1 1/2"RR STRAP SET	88909S
208 PUSH NUTS	09115
33 BRACE SYSTEM COMPLETE	42146
1 18' ROMAN END NEXUS STAIR	NSS020
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

1 - A	9'-5 3/4"
1 - B	11'-2 1/2"
1 - C	24"
1 - D	30'-1"
1 - E	16'-5 1/2"
1 - F	15'-4"
1 - G	36'-0 1/2"
1 - H	12'-1"

1 - 3	44'-0 3/4"
2 - 4	

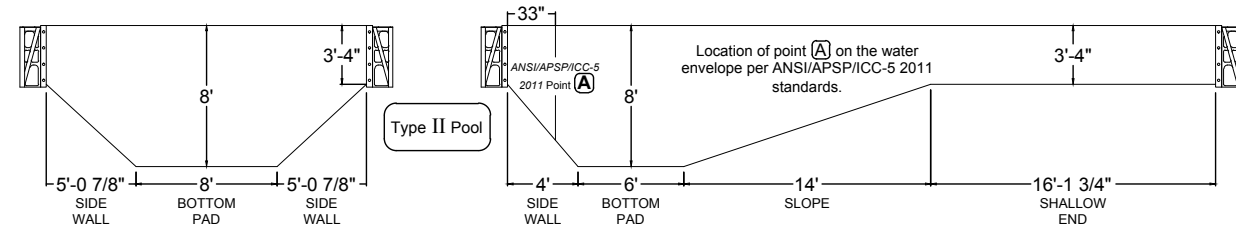
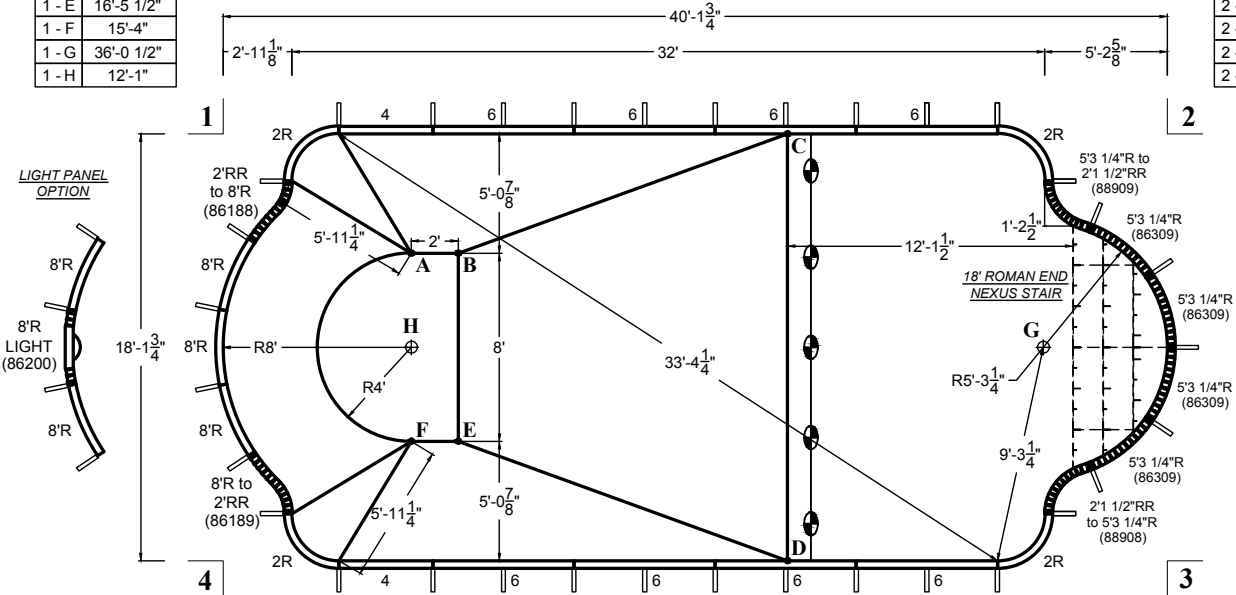
2 - A	32'-6 1/2"
2 - B	30'-7"
2 - C	16'-1 3/4"
2 - D	24'-3 1/2"
2 - E	32'-10 1/4"
2 - F	34'-8 1/2"
2 - G	10'-6"
2 - H	33'-4 3/4"

H - A	4'
H - B	4'-5 3/4"
H - C	18'-4 3/4"
H - D	18'-4 3/4"
H - E	4'-5 3/4"
H - F	4'
H - G	26'-10 1/2"



4 - A	15'-4"
4 - B	16'-5 1/2"
4 - C	30'-1"
4 - D	24"
4 - E	11'-2 1/2"
4 - F	9'-5 3/4"
4 - G	36'-0 1/2"
4 - H	12'-1"

3 - A	34'-8 1/2"
3 - B	32'-10 1/4"
3 - C	24'-3 1/2"
3 - D	16'-1 3/4"
3 - E	30'-7"
3 - F	32'-6 1/2"
3 - G	10'-6"
3 - H	33'-4 3/4"



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END
20' x 42'

POOL SURFACE AREA	→ 772.4 ft ²	LINER SQ. FT.	→ 843.1871 ft ²
POOL VOLUME	→ 24600 gal	POOL PERIMETER	→ 112'
	93100 L		34.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1' PLAIN PANEL	42101
2'6" PLAIN PANEL	42103
4' PLAIN PANEL	42106
4' SKIMMER PANEL	42106S
6' PLAIN PANEL w/ RETURN	42107
2' RADIUS CORNER PANEL	42110
8' RADIUS PANEL	42111
VERSA-FLEX PANEL	42115
2'RR to 8'R STRAP SET	86188S
8'R to 2'RR STRAP SET	86189S
2'RR to 8'R STRAP SET	86190S
8'R to 2'RR STRAP SET	86191S
2'R to 2'RR STRAP SET	86196S
2'RR to 2'R STRAP SET	86197S
STRAIGHT to 2'R STRAP SET	86198S
2'R to STRAIGHT STRAP SET	86199S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
8' STEP & REST	07418SNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	35'-3 3/4"
1 - H	12'-10 1/4"

1 - 3	46'-5 1/4"
2 - 4	

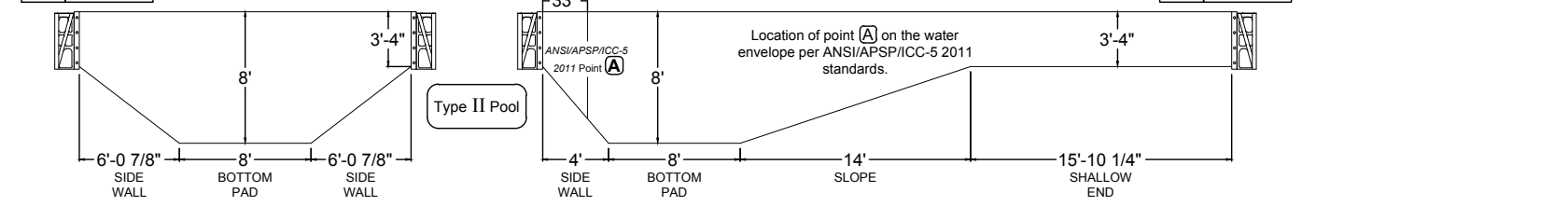
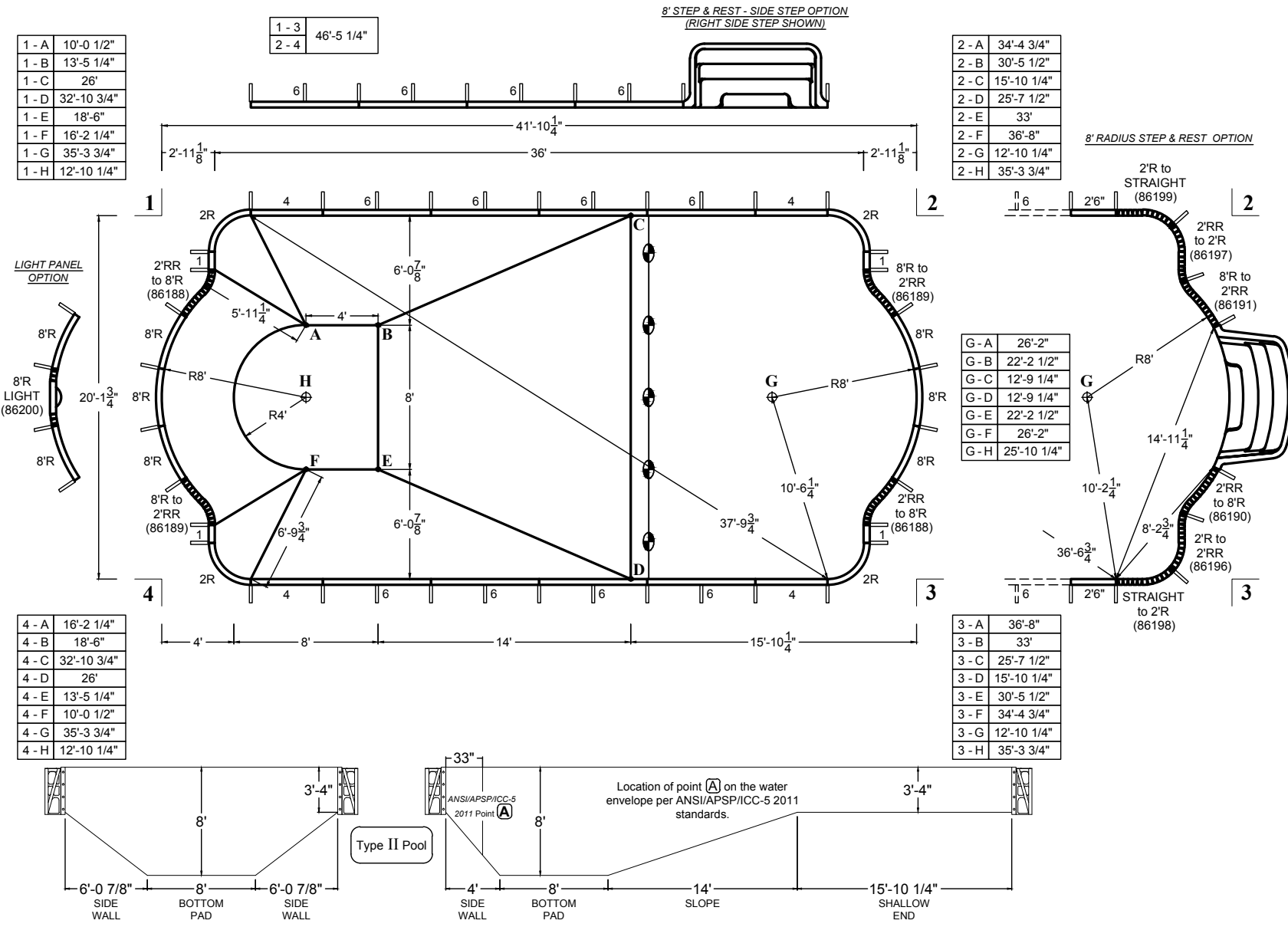
2 - A	34'-4 3/4"
2 - B	30'-5 1/2"
2 - C	15'-10 1/4"
2 - D	25'-7 1/2"
2 - E	33'
2 - F	36'-8"
2 - G	12'-10 1/4"
2 - H	35'-3 3/4"

G - A	26'-2"
G - B	22'-2 1/2"
G - C	12'-9 1/4"
G - D	12'-9 1/4"
G - E	22'-2 1/2"
G - F	26'-2"
G - H	25'-10 1/4"

3 - A	36'-8"
3 - B	33'
3 - C	25'-7 1/2"
3 - D	15'-10 1/4"
3 - E	30'-5 1/2"
3 - F	34'-4 3/4"
3 - G	12'-10 1/4"
3 - H	35'-3 3/4"

H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	25'-10 1/4"

4 - A	16'-2 1/4"
4 - B	18'-6"
4 - C	32'-10 3/4"
4 - D	26'
4 - E	13'-5 1/4"
4 - F	10'-0 1/2"
4 - G	35'-3 3/4"
4 - H	12'-10 1/4"



JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END
20' x 42'

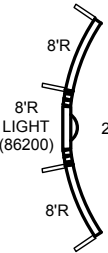
1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	38'-11 3/4"
1 - H	12'-10 1/4"

1 - 3	48'-1"
2 - 4	

2 - A	36'-2"
2 - B	32'-3"
2 - C	17'-8"
2 - D	26'-9 1/2"
2 - E	34'-7 3/4"
2 - F	38'-4"
2 - G	11'-8 3/4"
2 - H	37'-0 3/4"

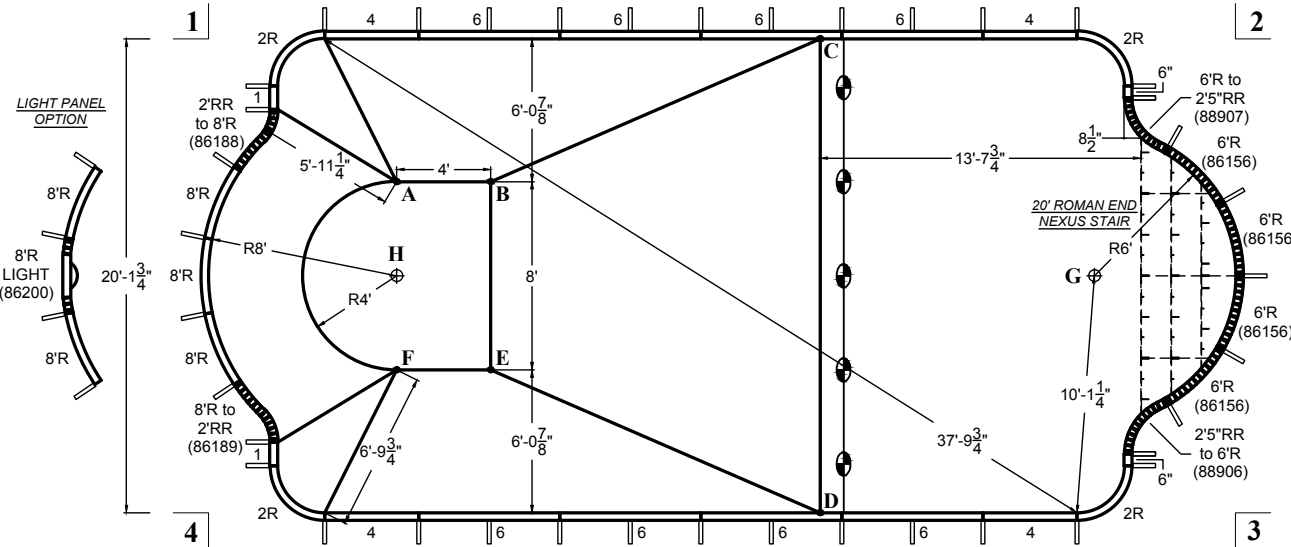
H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	29'-8"

LIGHT PANEL
OPTION



4 - A	16'-2 1/4"
4 - B	18'-6"
4 - C	32'-10 3/4"
4 - D	26'
4 - E	13'-5 1/4"
4 - F	10'-0 1/2"
4 - G	38'-11 3/4"
4 - H	12'-10 1/4"

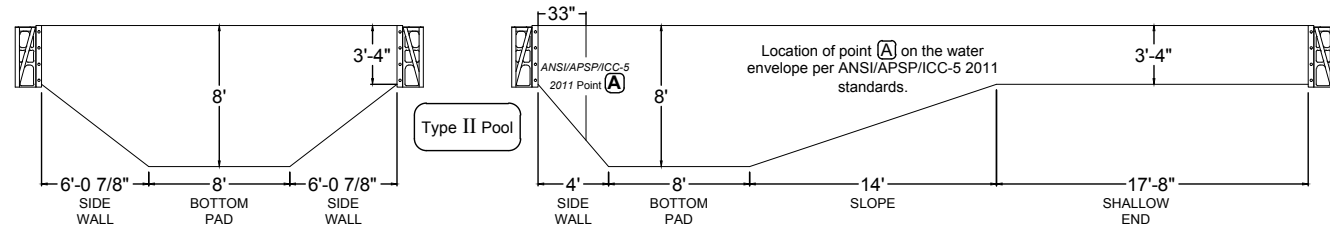
3 - A	38'-4"
3 - B	34'-7 3/4"
3 - C	26'-9 1/2"
3 - D	17'-8"
3 - E	32'-3"
3 - F	36'-2"
3 - G	11'-8 3/4"
3 - H	37'-0 3/4"



POOL SURFACE AREA	789.4 ft ²	LINER SQ. FT.	798.6984 ft ²
POOL VOLUME	25500 gal	POOL PERIMETER	114'-1"
	96500 L		34.77 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2	6" PLAIN PANEL 42100
2	1" PLAIN PANEL 42101
2	4" PLAIN PANEL 42106
2	4" SKIMMER PANEL 42106S
8	6" PLAIN PANEL w/ RETURN 42107
4	2' RADIUS CORNER PANEL 42110
3	8' RADIUS PANEL 42111
8	VERSA-FLEX PANEL 42115
4	6'R PANEL STRAP SET 86156S
1	2'RR to 8'R STRAP SET 86188S
1	8'R to 2'RR STRAP SET 86189S
1	2'5'RR to 6'R STRAP SET 88906S
1	6'R to 2'5'RR STRAP SET 88907S
208	PUSH NUTS 09115
39	BRACE SYSTEM COMPLETE 42146
1	20' ROMAN END NEXUS STAIR NSS021
	CHANNEL-LOC SONOTUBE 86151
	VERSA-FLEX STANDARD LIGHT PANEL 42116L



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
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The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END LAZY EL LEFT
16' x 42'

POOL SURFACE AREA → 646.2 ft² LINER SQ. FT. → 806.1094 ft²
60.0 m²

POOL VOLUME → 20150 gal POOL PERIMETER → 107'-2"
76250 L 32.66 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



ITEM DESCRIPTION	PART #
4 4 4 6" PLAIN PANEL	42100
1 1 1 1" PLAIN PANEL	42101
2 1 2 3" PLAIN PANEL	42108
2 2 2 4" PLAIN PANEL	42106
2 2 2 4" SKIMMER PANEL	42106S
6 5 6 6" PLAIN PANEL w/ RETURN	42107
4 4 4 2" RADIUS CORNER PANEL	42110
2 2 2 8" RADIUS PANEL	42111
7 9 9 VERSA-FLEX PANEL	42115
2 4 4 6" STRAP SET	86156S
1 1 1 4" REVERSE RADIUS STRAP SET	86163S
2 2 2 2"RR to 6"R STRAP SET	86186S
2 2 2 6"R to 2"RR STRAP SET	86187S
182 234 234 PUSH NUTS	09115
36 36 37 BRACE SYSTEM COMPLETE	42146
1 6" RADIUS STEP & REST	07416RSNR
1 8" STEP & REST	07418SNR
12* 12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4" STANDARD LIGHT PANEL	42106L
* - use bolts at step connection	

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24'
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	37'-0 1/4"
1 - H	10'-1 1/2"
1 - J	11'-5"
1 - Y	32'-7 1/2"
1 - Z	30'-8"

1 - 3	46'-11"
2 - 4	

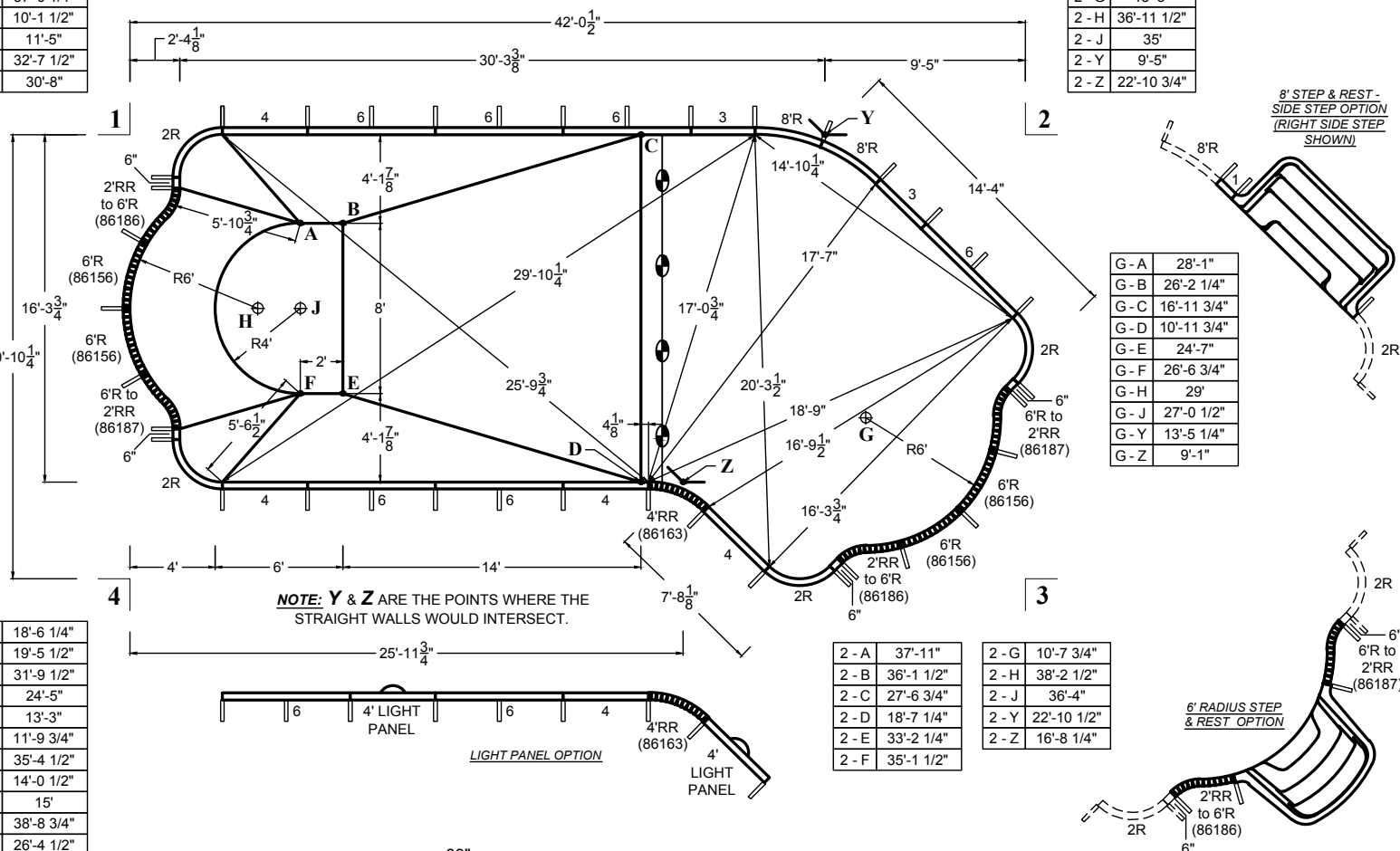
2 - A	34'-3 1/2"
2 - B	32'-3 3/4"
2 - C	18'-0 1/2"
2 - D	24'-3 3/4"
2 - E	34'-3 1/4"
2 - F	36'-1 3/4"
2 - G	15'-3"
2 - H	36'-11 1/2"
2 - J	35'
2 - Y	9'-5"
2 - Z	22'-10 3/4"

H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	29'
H - J	2'
H - Y	27'-10 1/4"
H - Z	21'-7"

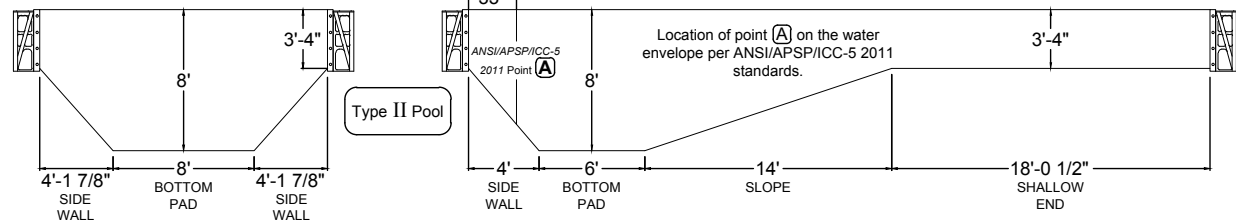
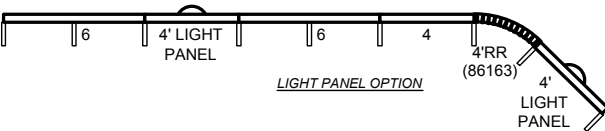
G - A	28'-1"
G - B	26'-2 1/4"
G - C	16'-11 3/4"
G - D	10'-11 3/4"
G - E	24'-7"
G - F	26'-6 3/4"
G - H	29'
G - J	27'-0 1/2"
G - Y	13'-5 1/4"
G - Z	9'-1"

2 - A	37'-11"
2 - B	36'-1 1/2"
2 - C	27'-6 3/4"
2 - D	18'-7 1/4"
2 - E	33'-2 1/4"
2 - F	35'-1 1/2"
2 - G	10'-7 3/4"
2 - H	38'-2 1/2"
2 - J	36'-4"
2 - Y	22'-10 1/2"
2 - Z	16'-8 1/4"

4 - A	18'-6 1/4"
4 - B	19'-5 1/2"
4 - C	31'-9 1/2"
4 - D	24'-5"
4 - E	13'-3"
4 - F	11'-9 3/4"
4 - G	35'-4 1/2"
4 - H	14'-0 1/2"
4 - J	15'
4 - Y	38'-8 3/4"
4 - Z	26'-4 1/2"



NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.



JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END LAZY EL LEFT
16' x 42'

POOL SURFACE AREA	660.2 ft ²	LINER SQ. FT.	774.1641 ft ²
POOL VOLUME	20700 gal	POOL PERIMETER	109'-3"
	78500 L		33.30 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

NEXUS END STAIR

ITEM DESCRIPTION	PART #
2	6" PLAIN PANEL 42100
2	3" PLAIN PANEL 42108
2	4" PLAIN PANEL 42106
2	4" SKIMMER PANEL 42106S
6	6" PLAIN PANEL w/ RETURN 42107
4	2' RADIUS CORNER PANEL 42110
2	8" RADIUS PANEL 42111
10	VERSA-FLEX PANEL 42115
2	6'R PANEL STRAP SET 86156S
3	4'8"R PANEL STRAP SET 88912S
1	4' REVERSE RADIUS STRAP SET 86163S
1	2'RR to 6'R STRAP SET 86186S
1	6'R to 2'RR STRAP SET 86187S
1	2'RR to 4'8"R STRAP SET 88910S
1	4'8"R to 2'RR STRAP SET 88911S
260	PUSH NUTS 09115
36	BRACE SYSTEM COMPLETE 42146
1	16' ROMAN END NEXUS STAIR NSS019
	CHANNEL-LOC SONOTUBE 86151
	4' STANDARD LIGHT PANEL 42106L

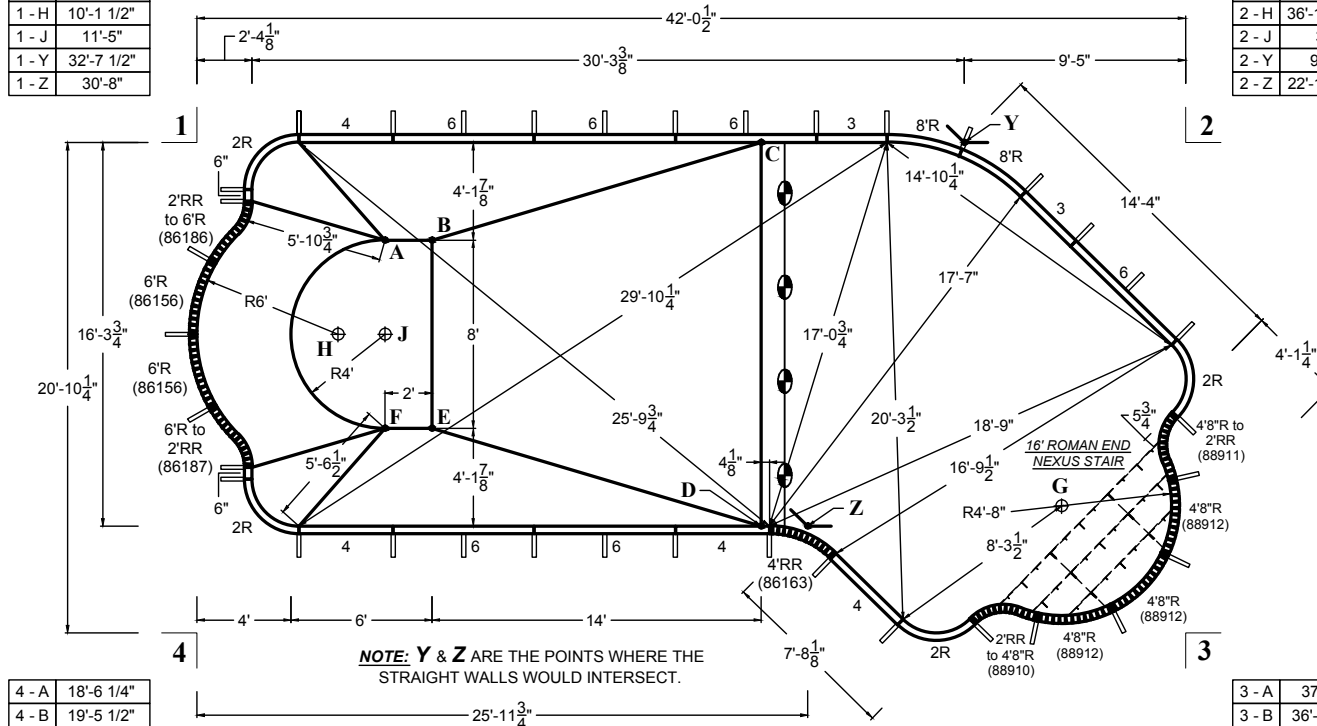
1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24'
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	39'-10 1/2"
1 - H	10'-1 1/2"
1 - J	11'-5"
1 - Y	32'-7 1/2"
1 - Z	30'-8"

1 - 3	46'-11"
2 - 4	

2 - A	34'-3 1/2"
2 - B	32'-3 3/4"
2 - C	18'-0 1/2"
2 - D	24'-3 3/4"
2 - E	34'-3 1/4"
2 - F	36'-1 3/4"
2 - G	16'-4"
2 - H	36'-11 1/2"
2 - J	35'
2 - Y	9'-5"
2 - Z	22'-10 3/4"

H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	31'-7 1/2"
H - J	2'
H - Y	27'-10 1/4"
H - Z	21'-7"

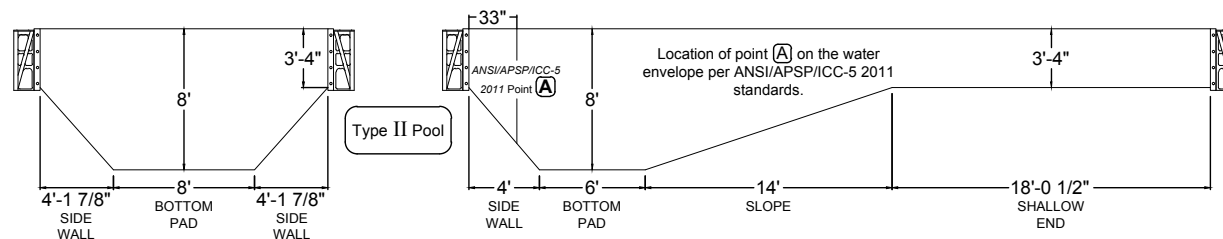
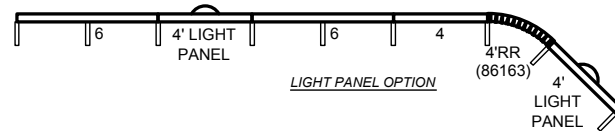
G - A	30'-10 3/4"
G - B	29'-0 1/2"
G - C	20'-0 1/2"
G - D	12'-9 1/2"
G - E	26'-11 1/2"
G - F	28'-11 1/2"
G - H	31'-7 1/2"
G - J	29'-8"
G - Y	16'
G - Z	10'-10"



NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

4 - A	18'-6 1/4"
4 - B	19'-5 1/2"
4 - C	31'-9 1/2"
4 - D	24'-5"
4 - E	13'-3"
4 - F	11'-9 3/4"
4 - G	37'-1 3/4"
4 - H	14'-0 1/2"
4 - J	15'
4 - Y	38'-8 3/4"
4 - Z	26'-4 1/2"

3 - A	37'-11"
3 - B	36'-1 1/2"
3 - C	27'-6 3/4"
3 - D	18'-7 1/4"
3 - E	33'-2 1/4"
3 - F	35'-1 1/2"
3 - G	7'-6 1/2"
3 - H	38'-2 1/2"
3 - J	36'-4"
3 - Y	22'-10 1/2"
3 - Z	16'-8 1/4"



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END LAZY EL RIGHT
16' x 42'

POOL SURFACE AREA	→ 646.2 ft ²	LINER SQ. FT.	→ 806.1094 ft ²
POOL VOLUME	→ 20150 gal	POOL PERIMETER	→ 107'-2"
	76250 L		32.66 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
4 4 4 6" PLAIN PANEL	42100
1 1 1 1' PLAIN PANEL	42101
2 1 2 3' PLAIN PANEL	42108
2 2 2 4' PLAIN PANEL	42106
2 2 2 4' SKIMMER PANEL	42106S
6 5 6 6' PLAIN PANEL w/ RETURN	42107
4 4 4 2' RADIUS CORNER PANEL	42110
2 2 2 8' RADIUS PANEL	42111
7 9 9 VERSA-FLEX PANEL	42115
2 4 4 6'R STRAP SET	86156S
1 1 1 4' REVERSE RADIUS STRAP SET	86163S
2 2 2 2'RR to 6'R STRAP SET	86186S
2 2 2 6'R to 2'RR STRAP SET	86187S
182 234 234 PUSH NUTS	09115
36 36 37 BRACE SYSTEM COMPLETE	42146
1 6' RADIUS STEP & REST	07416RSNR
1 8' STEP & REST	07418SNR
12* 12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	34'-3 1/2"
2 - B	32'-3 3/4"
2 - C	18'-0 1/2"
2 - D	24'-3 3/4"
2 - E	34'-3 1/4"
2 - F	36'-1 3/4"
2 - G	15'-3"
2 - H	36'-11 1/2"
2 - J	35'
2 - Y	9'-5"
2 - Z	22'-10 3/4"

1 - 3	46'-11"
2 - 4	

1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24'
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	37'-0 1/4"
1 - H	10'-1 1/2"
1 - J	11'-5"
1 - Y	32'-7 1/2"
1 - Z	30'-8"

G - A	28'-1"
G - B	26'-2 1/4"
G - C	16'-11 3/4"
G - D	10'-11 3/4"
G - E	24'-7"
G - F	26'-6 3/4"
G - H	29'
G - J	27'-0 1/2"
G - Y	13'-5 1/4"
G - Z	9'-1"

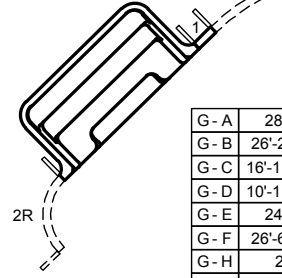
H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	29'
H - J	2'
H - Y	27'-10 1/4"
H - Z	21'-7"

2 - G	10'-7 3/4"
2 - H	38'-2 1/2"
2 - J	36'-4"
2 - Y	22'-10 1/2"
2 - Z	16'-8 1/4"

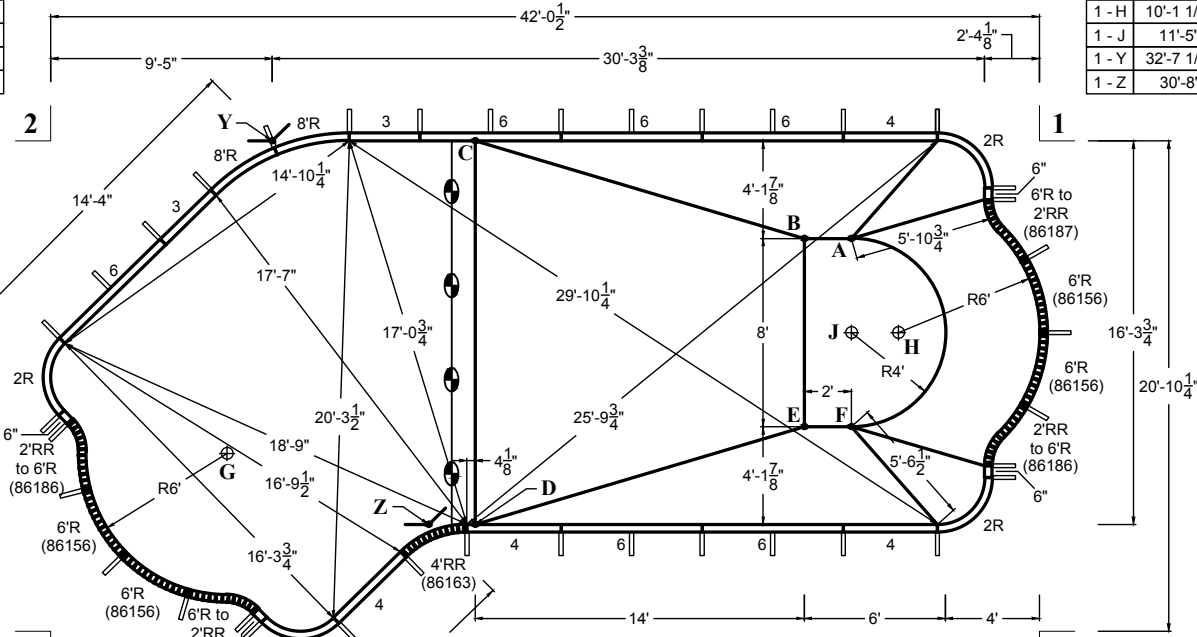
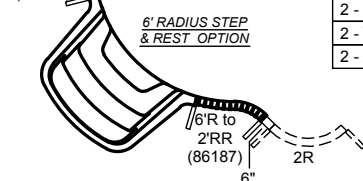
2 - A	37'-11"
2 - B	36'-1 1/2"
2 - C	27'-6 3/4"
2 - D	18'-7 1/4"
2 - E	33'-2 1/4"
2 - F	35'-1 1/2"

4 - A	18'-6 1/4"
4 - B	19'-5 1/2"
4 - C	31'-9 1/2"
4 - D	24'-5"
4 - E	13'-3"
4 - F	11'-9 3/4"
4 - G	35'-4 1/2"
4 - H	14'-0 1/2"
4 - J	15'
4 - Y	38'-8 3/4"
4 - Z	26'-4 1/2"

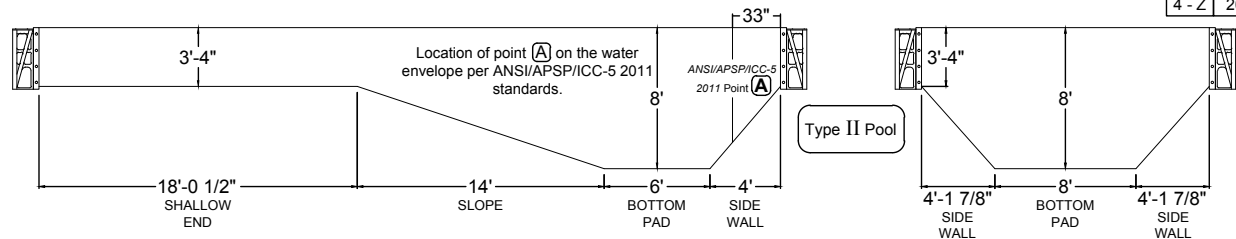
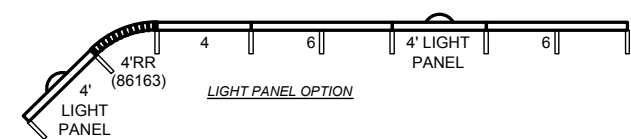
8' STEP & REST - SIDE STEP OPTION (LEFT SIDE STEP SHOWN)



6' RADIUS STEP & REST OPTION



NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.



Type II Pool

Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

ANSI/APSP/ICC-5 2011 Point (A)

ROMAN END LAZY EL RIGHT
16' x 42'

POOL SURFACE AREA	660.2 ft ² 61.3 m ²	LINER SQ. FT.	774.1641 ft ²
POOL VOLUME	20700 gal 78500 L	POOL PERIMETER	109'-3" 33.30 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



ITEM DESCRIPTION	PART #
2 6" PLAIN PANEL	42100
2 3" PLAIN PANEL	42108
2 4" PLAIN PANEL	42106
2 4" SKIMMER PANEL	42106S
6 6" PLAIN PANEL w/ RETURN	42107
4 2' RADIUS CORNER PANEL	42110
2 8' RADIUS PANEL	42111
10 VERSA-FLEX PANEL	42115
2 6'R PANEL STRAP SET	86156S
3 4'8"R PANEL STRAP SET	88912S
1 4' REVERSE RADIUS STRAP SET	86163S
1 2'RR to 6'R STRAP SET	86186S
1 6'R to 2'RR STRAP SET	86187S
1 2'RR to 4'8"R STRAP SET	88910S
1 4'8"R to 2'RR STRAP SET	88911S
260 PUSH NUTS	09115
36 BRACE SYSTEM COMPLETE	42146
1 16' ROMAN END NEXUS STAIR	NSS019
CHANNEL-LOC SONOTUBE	86151
4' STANDARD LIGHT PANEL	42106L

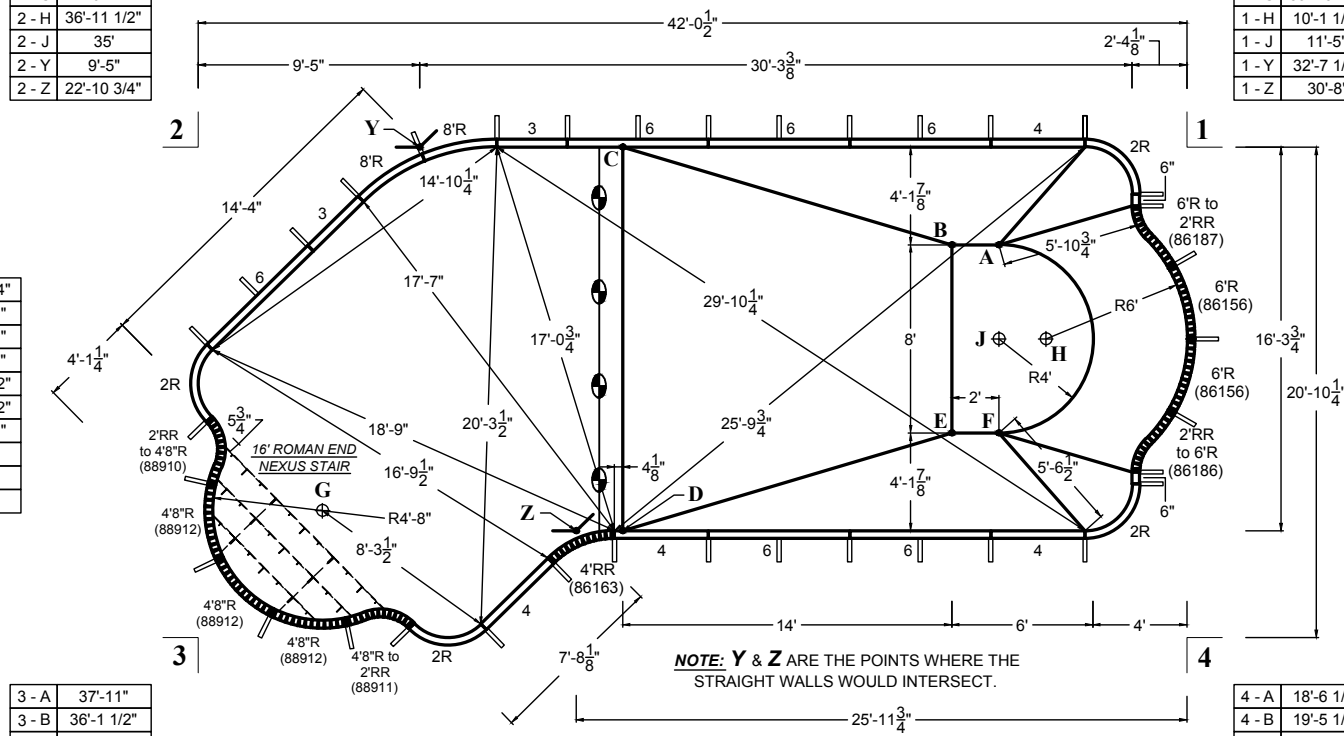
2 - A	34'-3 1/2"
2 - B	32'-3 3/4"
2 - C	18'-0 1/2"
2 - D	24'-3 3/4"
2 - E	34'-3 1/4"
2 - F	36'-1 3/4"
2 - G	16'-4"
2 - H	36'-11 1/2"
2 - J	35"
2 - Y	9'-5"
2 - Z	22'-10 3/4"

1 - 3	46'-11"
2 - 4	

1 - A	9'-0 1/4"
1 - B	10'-10"
1 - C	24"
1 - D	29'-0 1/4"
1 - E	15'-9"
1 - F	14'-6 1/2"
1 - G	39'-10 1/2"
1 - H	10'-1 1/2"
1 - J	11'-5"
1 - Y	32'-7 1/2"
1 - Z	30'-8"

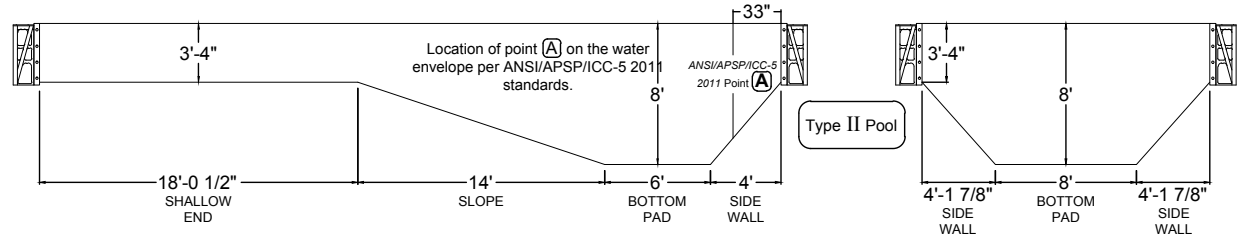
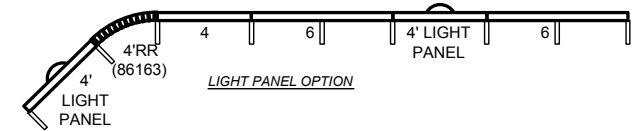
G - A	30'-10 3/4"
G - B	29'-0 1/2"
G - C	20'-0 1/2"
G - D	12'-9 1/2"
G - E	26'-11 1/2"
G - F	28'-11 1/2"
G - H	31'-7 1/2"
G - J	29'-8"
G - Y	16"
G - Z	10'-10"

H - A	4'-5 3/4"
H - B	5'-8"
H - C	19'-9 1/4"
H - D	19'-9 1/4"
H - E	5'-8"
H - F	4'-5 3/4"
H - G	31'-7 1/2"
H - J	2"
H - Y	27'-10 1/4"
H - Z	21'-7"



3 - A	37'-11"
3 - B	36'-1 1/2"
3 - C	27'-6 3/4"
3 - D	18'-7 1/4"
3 - E	33'-2 1/4"
3 - F	35'-1 1/2"
3 - G	7'-6 1/2"
3 - H	38'-2 1/2"
3 - J	36'-4"
3 - Y	22'-10 1/2"
3 - Z	16'-8 1/4"

4 - A	18'-6 1/4"
4 - B	19'-5 1/2"
4 - C	31'-9 1/2"
4 - D	24'-5"
4 - E	13'-3"
4 - F	11'-9 3/4"
4 - G	37'-1 3/4"
4 - H	14'-0 1/2"
4 - J	15"
4 - Y	38'-8 3/4"
4 - Z	26'-4 1/2"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END LAZY EL LEFT
18' x 45'

POOL SURFACE AREA	769.2 ft ²	LINER SQ. FT.	964.7092 ft ²
POOL VOLUME	23500 gal	POOL PERIMETER	115'-4"
	88950 L		35.15 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
1 2 2	6" PLAIN PANEL	42100
1 2 2	2" PLAIN PANEL	42102
1	3" PLAIN PANEL	42105
1 2 2	4" PLAIN PANEL	42106
2 2 2	4" SKIMMER PANEL	42106S
7 6 8	6" PLAIN PANEL w/ RETURN	42107
2 4 4	2" RADIUS CORNER PANEL	42110
3 6 6	8" RADIUS PANEL	42111
10 6 6	VERSA-FLEX PANEL	42115
1 1 1	4" RADIUS STRAP SET	86155S
1 1 1	4" REVERSE RADIUS STRAP SET	86163S
1 2 2	2"RR to 8"R STRAP SET	86188S
1 2 2	8"R to 2"RR STRAP SET	86189S
1	2"RR to 8"R STRAP SET	86190S
1	8"R to 2"RR STRAP SET	86191S
1	2"R to 2"RR STRAP SET	86192S
1	2"RR to 2"R STRAP SET	86193S
1	STRAIGHT to 2"R STRAP SET	86194S
1	2"R to STRAIGHT STRAP SET	86195S
260 156 156	PUSH NUTS	09115
36 37 38	BRACE SYSTEM COMPLETE	42146
1	8" RADIUS STEP & REST	07418RSNR
1	8" STEP & REST	07418SNR
12" 12"	3/8"-16X HEX WASHER HEAD BOLT	148838
12" 12"	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-5 3/4"
1 - B	12'-1 1/4"
1 - C	25'
1 - D	30'-10 3/4"
1 - E	17'-1"
1 - F	15'-4"
1 - G	38'-3 1/2"
1 - H	12'-1"
1 - Y	34'-7 1/4"
1 - Z	32'-7 1/4"

1 - 3	50'-5 1/4"
2 - 4	

2 - A	37'-2 1/4"
2 - B	34'-2 3/4"
2 - C	19'-10"
2 - D	26'-10 1/2"
2 - E	36'-3 1/4"
2 - F	39'-1"
2 - G	16'-7 3/4"
2 - H	37'-11 1/4"
2 - Y	10'-3"
2 - Z	25'-4 1/2"

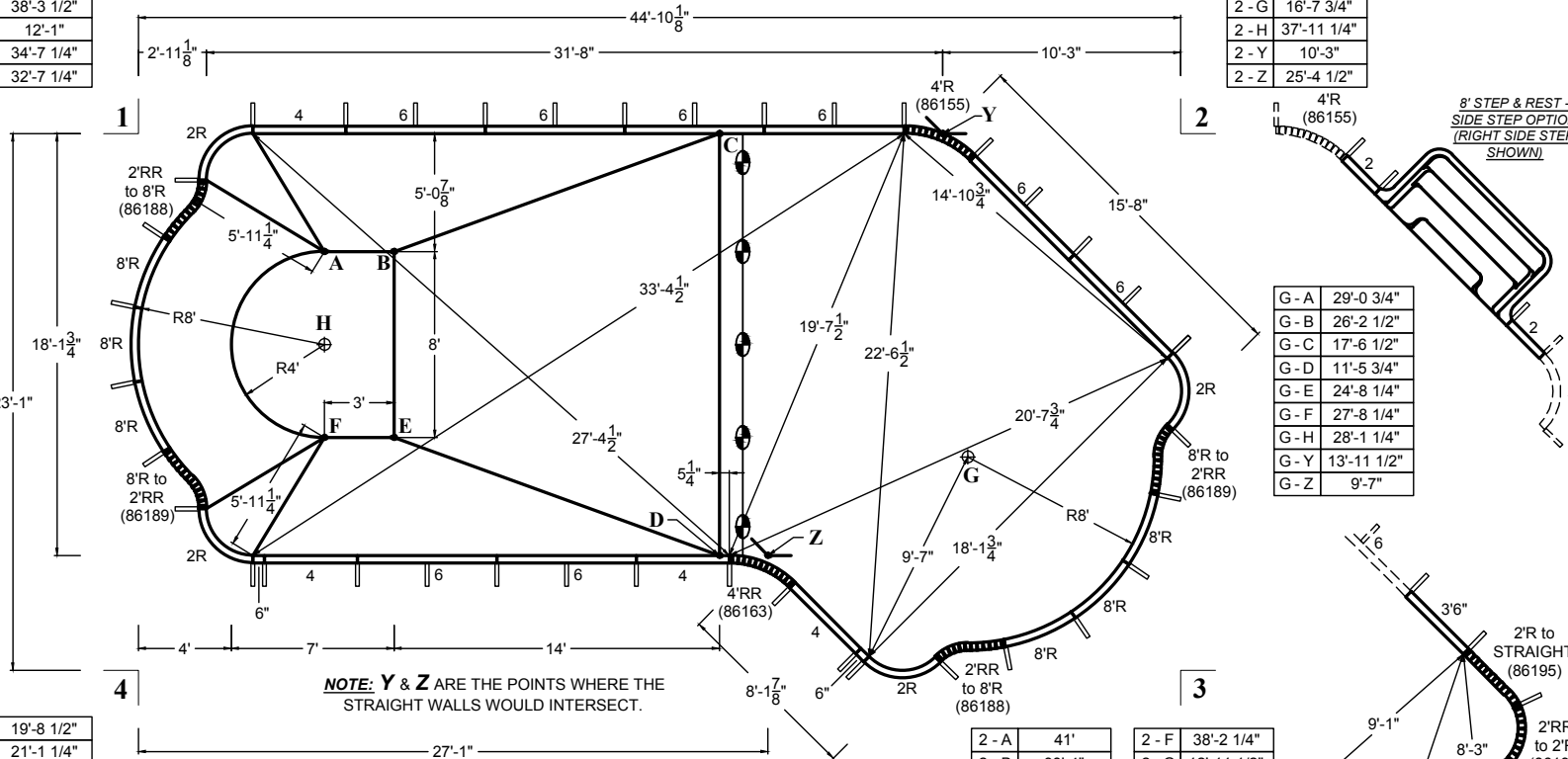
G - A	29'-0 3/4"
G - B	26'-2 1/2"
G - C	17'-6 1/2"
G - D	11'-5 3/4"
G - E	24'-8 1/4"
G - F	27'-8 1/4"
G - H	28'-1 1/4"
G - Y	13'-11 1/2"
G - Z	9'-7"

H - A	4'
H - B	5'
H - C	19'-3 1/4"
H - D	19'-3 1/4"
H - E	5'
H - F	4'
H - G	28'-1 1/4"
H - Y	28'-1 1/4"
H - Z	21'-1 1/2"

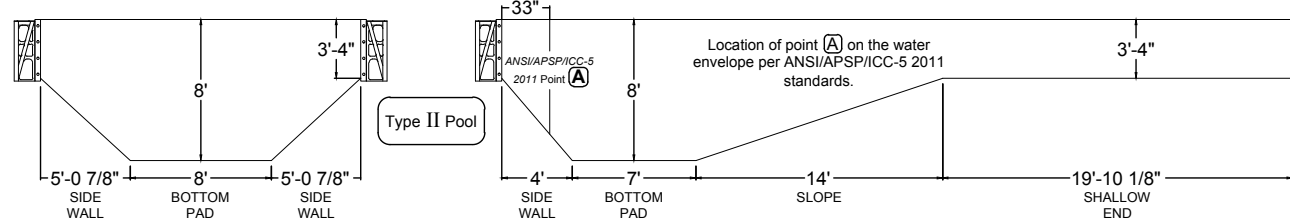
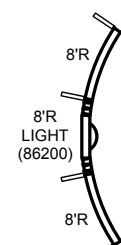
4 - A	19'-8 1/2"
4 - B	21'-1 1/4"
4 - C	34'-0 1/4"
4 - D	25'-5 3/4"
4 - E	14'-10 1/2"
4 - F	12'-9 3/4"
4 - G	36'-10"
4 - H	16'-1 1/2"
4 - Y	41'-7"
4 - Z	27'-6 1/4"

2 - A	41'
2 - B	38'-4"
2 - C	30'-5 1/4"
2 - D	20'-5 1/2"
2 - E	35'-3 1/2"

2 - F	38'-2 1/4"
2 - G	12'-11 1/2"
2 - H	39'-5"
2 - Y	25'-3"
2 - Z	18'-5 1/4"



LIGHT PANEL OPTION



JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END LAZY EL LEFT
18' x 45'

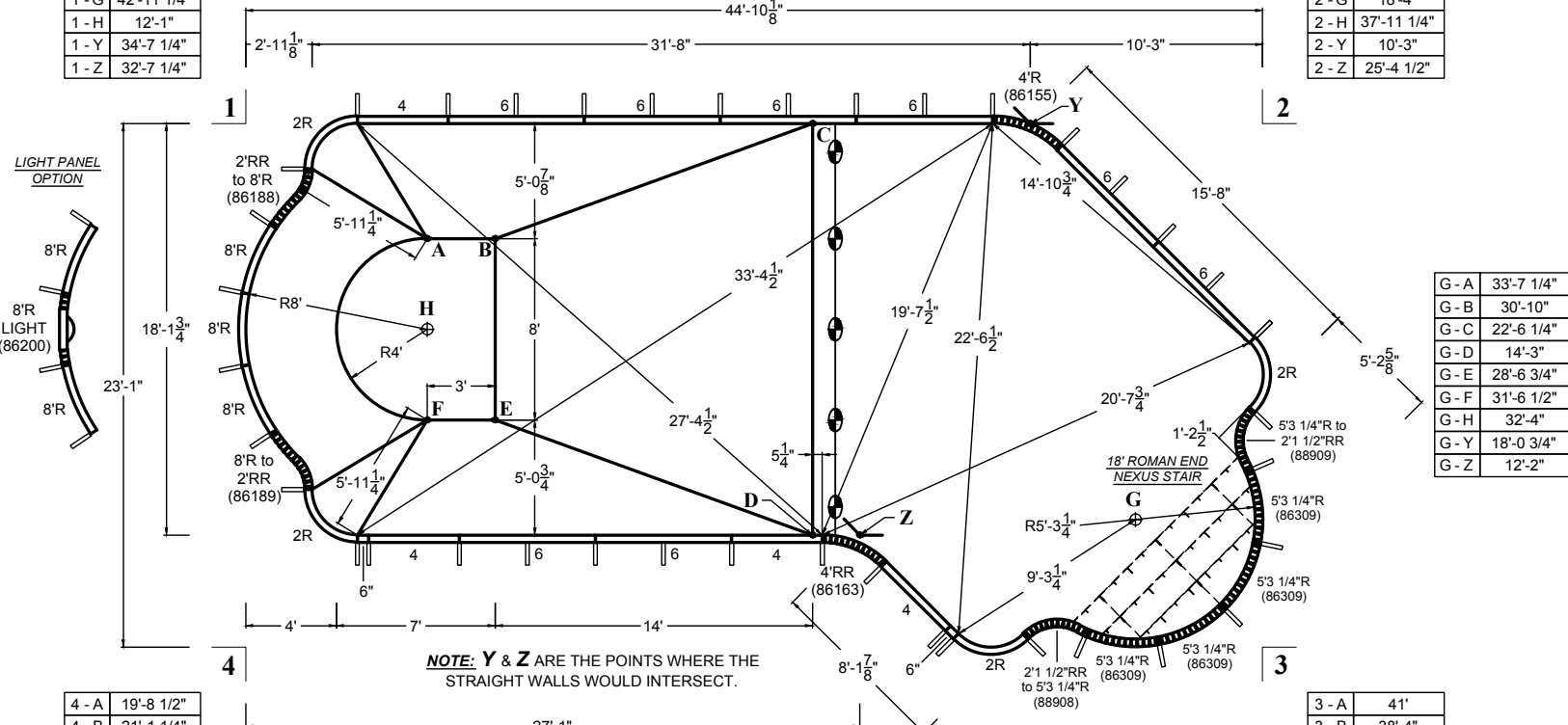
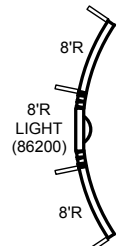
1 - A	9'-5 3/4"
1 - B	12'-1 1/4"
1 - C	25'
1 - D	30'-10 3/4"
1 - E	17'-1"
1 - F	15'-4"
1 - G	42'-11 1/4"
1 - H	12'-1"
1 - Y	34'-7 1/4"
1 - Z	32'-7 1/4"

1 - 3	50'-5 1/4"
2 - 4	

2 - A	37'-2 1/4"
2 - B	34'-2 3/4"
2 - C	19'-10"
2 - D	26'-10 1/2"
2 - E	36'-3 1/4"
2 - F	39'-1"
2 - G	18'-4"
2 - H	37'-11 1/4"
2 - Y	10'-3"
2 - Z	25'-4 1/2"

H - A	4'
H - B	5'
H - C	19'-3 1/4"
H - D	19'-3 1/4"
H - E	5'
H - F	4'
H - G	32'-4"
H - Y	28'-1 1/4"
H - Z	21'-1 1/2"

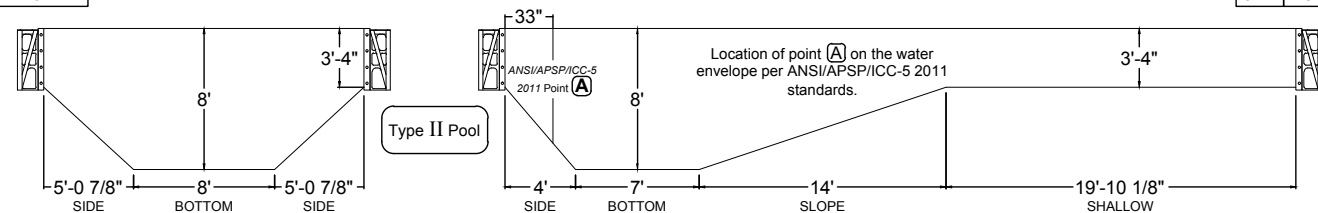
LIGHT PANEL
OPTION



G - A	33'-7 1/4"
G - B	30'-10"
G - C	22'-6 1/4"
G - D	14'-3"
G - E	28'-6 3/4"
G - F	31'-6 1/2"
G - H	32'-4"
G - Y	18'-0 3/4"
G - Z	12'-2"

4 - A	19'-8 1/2"
4 - B	21'-1 1/4"
4 - C	34'-0 1/4"
4 - D	25'-5 3/4"
4 - E	14'-10 1/2"
4 - F	12'-9 3/4"
4 - G	39'-7 1/2"
4 - H	16'-1 1/2"
4 - Y	41'-7"
4 - Z	27'-6 1/4"

3 - A	41'
3 - B	38'-4"
3 - C	30'-5 1/4"
3 - D	20'-5 1/2"
3 - E	35'-3 1/2"
3 - F	38'-2 1/4"
3 - G	7'-11 1/4"
3 - H	39'-5"
3 - Y	25'-3"
3 - Z	18'-5 1/4"



POOL SURFACE AREA	788.7 ft ²	LINER SQ. FT.	933.9434 ft ²
POOL VOLUME	24100 gal	POOL PERIMETER	118'-5"
	91200 L		36.09 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
2	6" PLAIN PANEL	42100
2	4" PLAIN PANEL	42106
2	4" SKIMMER PANEL	42106S
8	6" PLAIN PANEL w/ RETURN	42107
4	2' RADIUS CORNER PANEL	42110
3	8' RADIUS PANEL	42111
10	VERSA-FLEX PANEL	42115
4	5'3 1/4" R PANEL STRAP SET	86309S
1	4' RADIUS STRAP SET	86155S
1	4' REVERSE RADIUS STRAP SET	86163S
1	2'RR to 8'R STRAP SET	86188S
1	8'R to 2'RR STRAP SET	86189S
1	2'1 1/2"RR to 5'3 1/4"R STRAP SET	88908S
1	5'3 1/4"R to 2'1 1/2"RR STRAP SET	88909S
260	PUSH NUTS	09115
39	BRACE SYSTEM COMPLETE	42146
1	18' ROMAN END NEXUS STAIR	NSS020
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END LAZY EL RIGHT
18' x 45'

POOL SURFACE AREA	769.2 ft ²	LINER SQ. FT.	964.7092 ft ²
POOL VOLUME	23500 gal	POOL PERIMETER	115'-4"
	88950 L		35.15 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM #	QTY	DESCRIPTION	PART #	
1	2	2	6" PLAIN PANEL	42100
1	2	2	2' PLAIN PANEL	42102
1			3'6" PLAIN PANEL	42105
1	2	2	4' PLAIN PANEL	42106
2	2	2	4' SKIMMER PANEL	42106S
7	6	8	6' PLAIN PANEL w/ RETURN	42107
2	4	4	2' RADIUS CORNER PANEL	42110
3	6	6	8' RADIUS PANEL	42111
10	6	6	VERSA-FLEX PANEL	42115
1	1	1	4' RADIUS STRAP SET	86155S
1	1	1	4' REVERSE RADIUS STRAP SET	86163S
1	2	2	2'RR to 8'R STRAP SET	86188S
1	2	2	8'R to 2'RR STRAP SET	86189S
1			2'RR to 8'R STRAP SET	86190S
1			8'R to 2'RR STRAP SET	86191S
1			2'R to 2'RR STRAP SET	86192S
1			2'RR to 2'R STRAP SET	86193S
1			STRAIGHT to 2'R STRAP SET	86194S
1			2'R to STRAIGHT STRAP SET	86195S
260	156	156	PUSH NUTS	09115
36	37	38	BRACE SYSTEM COMPLETE	42146
1			8' RADIUS STEP & REST	07418RSNR
1			8' STEP & REST	07418SNR
12*	12*		3/8"-16X HEX WASHER HEAD BOLT	148838
12*	12*		3/8"-16 HEX WASHER HEAD NUT	149664
			CHANNEL-LOC SONOTUBE	86151
			VERSA-FLEX STANDARD LIGHT PANEL	42116L

H - A	4'
H - B	5'
H - C	19'-3 1/4"
H - D	19'-3 1/4"
H - E	5'
H - F	4'
H - G	28'-1 1/4"
H - Y	28'-1 1/4"
H - Z	21'-1 1/2"

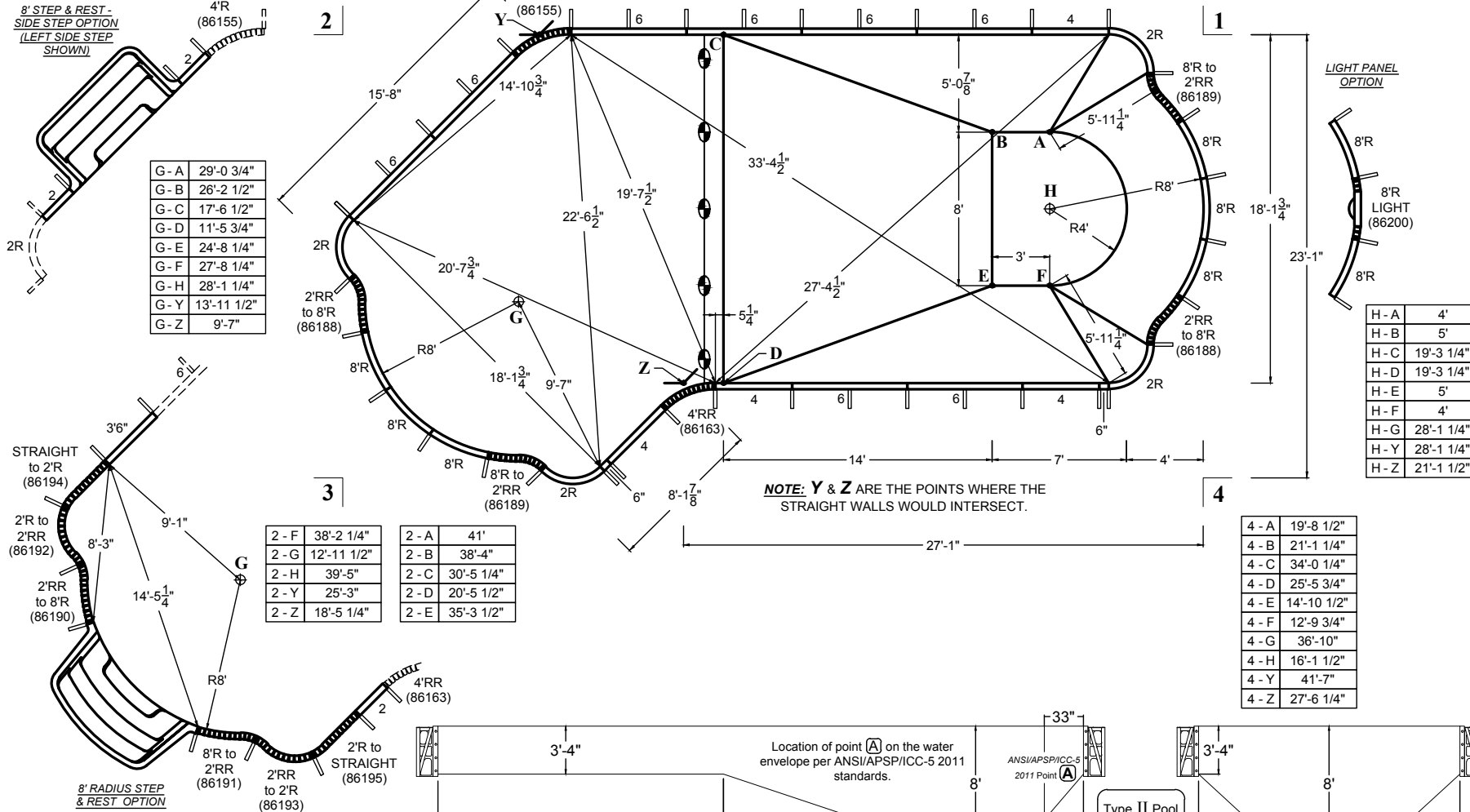
4 - A	19'-8 1/2"
4 - B	21'-1 1/4"
4 - C	34'-0 1/4"
4 - D	25'-5 3/4"
4 - E	14'-10 1/2"
4 - F	12'-9 3/4"
4 - G	36'-10"
4 - H	16'-1 1/2"
4 - Y	41'-7"
4 - Z	27'-6 1/4"

2 - A	37'-2 1/4"
2 - B	34'-2 3/4"
2 - C	19'-10"
2 - D	26'-10 1/2"
2 - E	36'-3 1/4"
2 - F	39'-1"
2 - G	16'-7 3/4"
2 - H	37'-11 1/4"
2 - Y	10'-3"
2 - Z	25'-4 1/2"

1 - 3	50'-5 1/4"
2 - 4	

1 - A	9'-5 3/4"
1 - B	12'-1 1/4"
1 - C	25'
1 - D	30'-10 3/4"
1 - E	17'-1"
1 - F	15'-4"
1 - G	38'-3 1/2"
1 - H	12'-1"
1 - Y	34'-7 1/4"
1 - Z	32'-7 1/4"

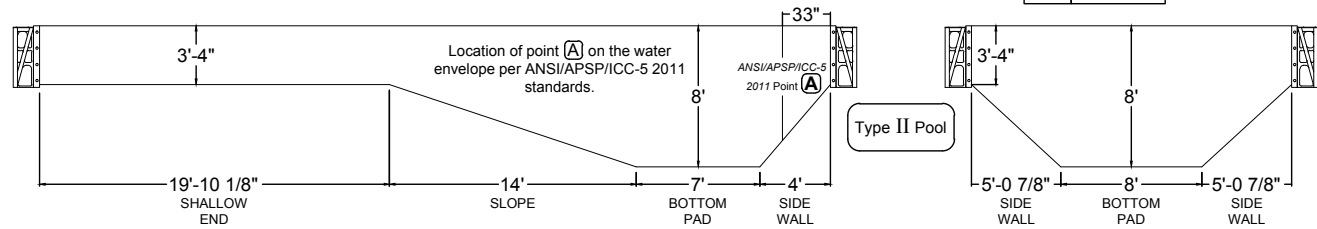
8' STEP & REST - SIDE STEP OPTION (LEFT SIDE STEP SHOWN)



NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

G - A	29'-0 3/4"
G - B	26'-2 1/2"
G - C	17'-6 1/2"
G - D	11'-5 3/4"
G - E	24'-8 1/4"
G - F	27'-8 1/4"
G - H	28'-1 1/4"
G - Y	13'-11 1/2"
G - Z	9'-7"

2 - F	38'-2 1/4"
2 - G	12'-11 1/2"
2 - H	39'-5"
2 - Y	25'-3"
2 - Z	18'-5 1/4"
2 - A	41'
2 - B	38'-4"
2 - C	30'-5 1/4"
2 - D	20'-5 1/2"
2 - E	35'-3 1/2"



* - use bolts at step connection

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END LAZY EL RIGHT
18' x 45'

POOL SURFACE AREA	788.7 ft ² 73.3 m ²	LINER SQ. FT.	933.9434 ft ²
POOL VOLUME	24100 gal 91200 L	POOL PERIMETER	118'-5"

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

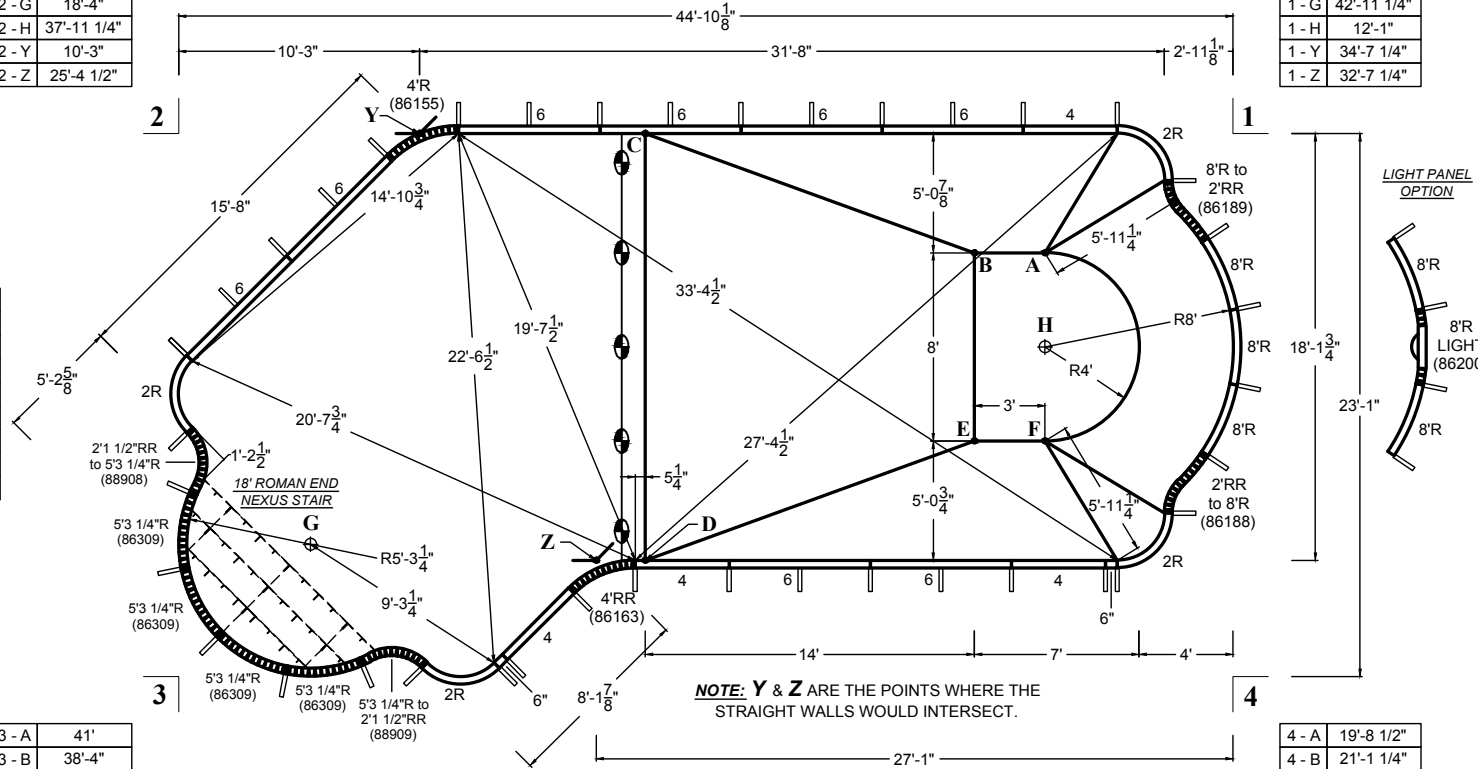
ITEM DESCRIPTION	PART #	
2	6" PLAIN PANEL	42100
2	4" PLAIN PANEL	42106
2	4" SKIMMER PANEL	42106S
8	6" PLAIN PANEL w/ RETURN	42107
4	2" RADIUS CORNER PANEL	42110
3	8" RADIUS PANEL	42111
10	VERSA-FLEX PANEL	42115
4	5'3 1/4"R PANEL STRAP SET	86309S
1	4" RADIUS STRAP SET	86155S
1	4" REVERSE RADIUS STRAP SET	86163S
1	2"RR to 8"R STRAP SET	86188S
1	8"R to 2"RR STRAP SET	86189S
1	2'1 1/2"RR to 5'3 1/4"R STRAP SET	88908S
1	5'3 1/4"R to 2'1 1/2"RR STRAP SET	88909S
260	PUSH NUTS	09115
39	BRACE SYSTEM COMPLETE	42146
1	18' ROMAN END NEXUS STAIR	NSS020
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

2 - A	37'-2 1/4"
2 - B	34'-2 3/4"
2 - C	19'-10"
2 - D	26'-10 1/2"
2 - E	36'-3 1/4"
2 - F	39'-1"
2 - G	18'-4"
2 - H	37'-11 1/4"
2 - Y	10'-3"
2 - Z	25'-4 1/2"

1 - 3	50'-5 1/4"
2 - 4	

1 - A	9'-5 3/4"
1 - B	12'-1 1/4"
1 - C	25'
1 - D	30'-10 3/4"
1 - E	17'-1"
1 - F	15'-4"
1 - G	42'-11 1/4"
1 - H	12'-1"
1 - Y	34'-7 1/4"
1 - Z	32'-7 1/4"

G - A	33'-7 1/4"
G - B	30'-10"
G - C	22'-6 1/4"
G - D	14'-3"
G - E	28'-6 3/4"
G - F	31'-6 1/2"
G - H	32'-4"
G - Y	18'-0 3/4"
G - Z	12'-2"

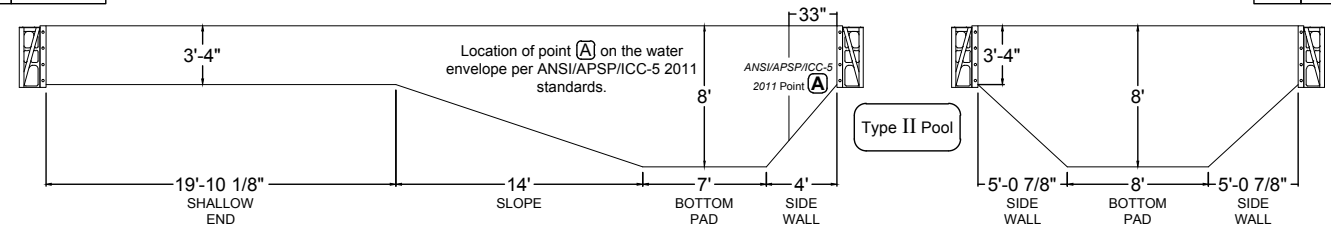


H - A	4'
H - B	5'
H - C	19'-3 1/4"
H - D	19'-3 1/4"
H - E	5'
H - F	4'
H - G	32'-4"
H - Y	28'-1 1/4"
H - Z	21'-1 1/2"

3 - A	41'
3 - B	38'-4"
3 - C	30'-5 1/4"
3 - D	20'-5 1/2"
3 - E	35'-3 1/2"
3 - F	38'-2 1/4"
3 - G	7'-11 1/4"
3 - H	39'-5"
3 - Y	25'-3"
3 - Z	18'-5 1/4"

4 - A	19'-8 1/2"
4 - B	21'-1 1/4"
4 - C	34'-0 1/4"
4 - D	25'-5 3/4"
4 - E	14'-10 1/2"
4 - F	12'-9 3/4"
4 - G	39'-7 1/2"
4 - H	16'-1 1/2"
4 - Y	41'-7"
4 - Z	27'-6 1/4"

NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

ROMAN END LAZY EL LEFT
20' x 49'

POOL SURFACE AREA	→ 923.1 ft ²	LINER SQ. FT.	→ 1165.1007 ft ²
POOL VOLUME	→ 27800 gal	POOL PERIMETER	→ 126'-7"
	105200 L		38.58 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 6" PLAIN PANEL	42100
2 4 4 6" PLAIN PANEL	42101
1 1 2 3" PLAIN PANEL	42108
1 3" SKIMMER PANEL	42108S
1 3'6" PLAIN PANEL	42105
2 2 1 4" PLAIN PANEL	42106
2 1 2 4" SKIMMER PANEL	42106S
8 8 8 6" PLAIN PANEL w/ RETURN	42107
2 4 4 2" RADIUS CORNER PANEL	42110
3 6 6 8" RADIUS PANEL	42111
12 8 8 VERSA-FLEX PANEL	42115
3 3 3 12" RADIUS STRAP SET	86167S
1 1 1 4" REVERSE RADIUS STRAP SET	86163S
1 2 2 2"RR to 8"R STRAP SET	86188S
1 8"R to 2"RR STRAP SET	86189S
1 2"RR to 8"R STRAP SET	86190S
1 8"R to 2"RR STRAP SET	86191S
1 2"R to 2"RR STRAP SET	86192S
1 2"RR to 2"R STRAP SET	86193S
1 STRAIGHT to 2"R STRAP SET	86194S
1 2"R to STRAIGHT STRAP SET	86195S
312 208 208 PUSH NUTS	09115
41 42 43 BRACE SYSTEM COMPLETE	42146
1 8" RADIUS STEP & REST	07418RSNR
1 8" STEP & REST	07418SNR
12" 12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	42'-2 1/2"
1 - H	12'-10 1/4"
1 - Y	36'-11"
1 - Z	34'-11 1/2"

1 - 3	55'-4 1/2"
2 - 4	

2 - A	41'-3 1/4"
2 - B	37'-3 3/4"
2 - C	22'-10"
2 - D	30'-5 1/4"
2 - E	39'-5"
2 - F	43'-2 1/4"
2 - G	19'-0 1/4"
2 - H	42'-0 1/2"
2 - Y	11'-10 3/4"
2 - Z	28'-6 3/4"

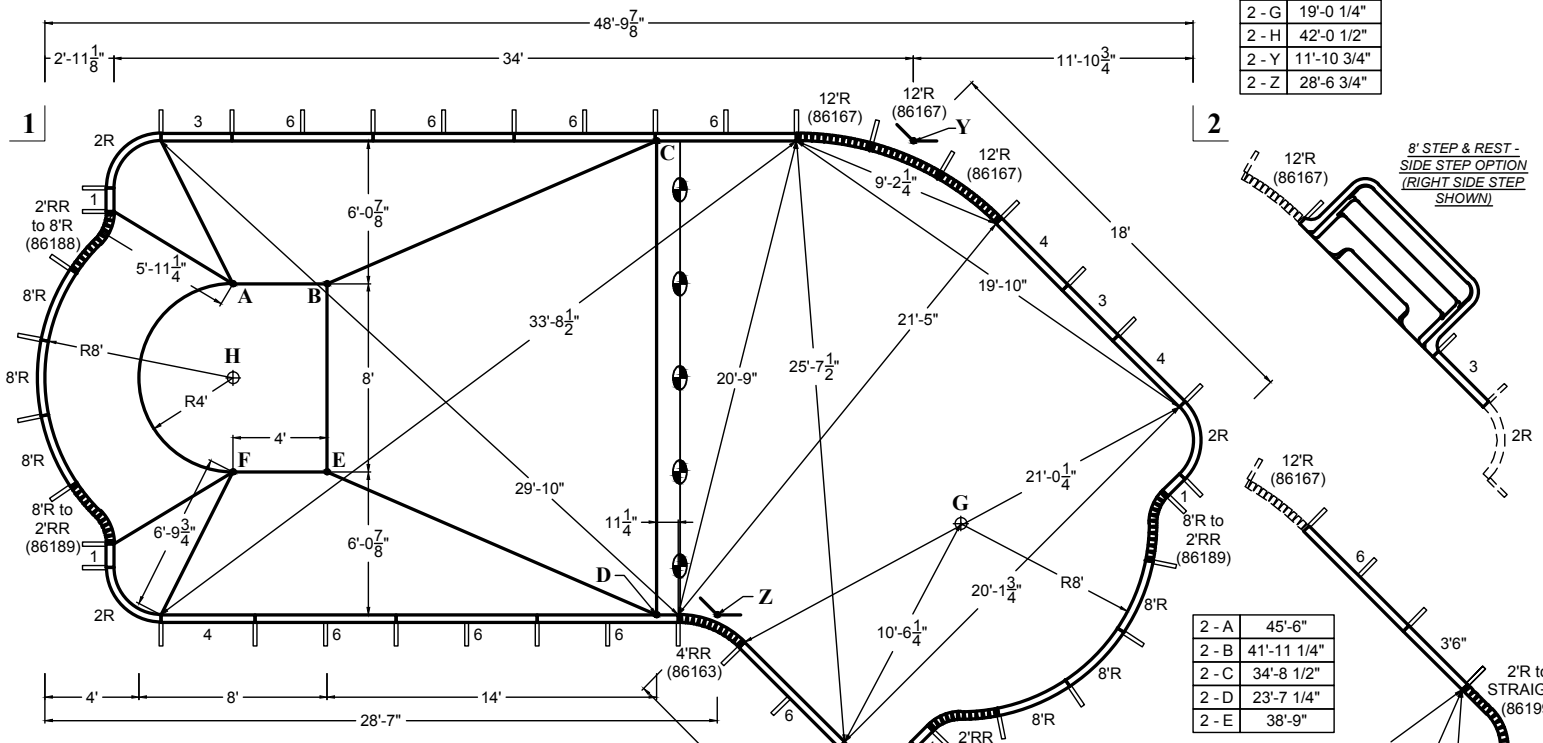
2 - A	45'-6"
2 - B	41'-11 1/4"
2 - C	34'-8 1/2"
2 - D	23'-7 1/4"
2 - E	38'-9"

2 - F	42'-6 3/4"
2 - G	13'-11 3/4"
2 - H	43'-10 1/2"
2 - Y	28'-8 3/4"
2 - Z	21'-1 1/4"

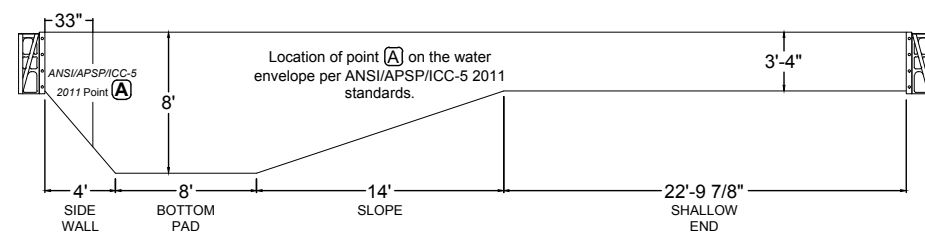
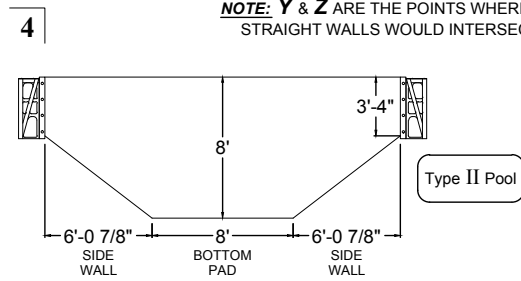
H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	31'-6 3/4"
H - Y	30'-7 1/2"
H - Z	22'-11"

4 - A	21'-7 1/4"
4 - B	23'-4 1/2"
4 - C	36'-10 1/2"
4 - D	26'-8 1/4"
4 - E	17'-0 1/4"
4 - F	14'-5 3/4"
4 - G	40'-2 1/4"
4 - H	17'-11 1/2"
4 - Y	45'-3"
4 - Z	29'-2 1/2"

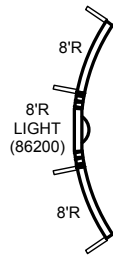
G - A	32'-7"
G - B	28'-9 3/4"
G - C	20'-9 1/2"
G - D	13'-6 1/4"
G - E	27'-0 1/2"
G - F	31'-0 1/4"
G - H	31'-6 3/4"
G - Y	16'-4 1/2"
G - Z	11'-0 3/4"



NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.



LIGHT PANEL OPTION



H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	31'-6 3/4"
H - Y	30'-7 1/2"
H - Z	22'-11"

1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	45'-9"
1 - H	12'-10 1/4"
1 - Y	36'-11"
1 - Z	34'-11 1/2"

1 - 3	55'-4 1/2"
2 - 4	

2 - A	41'-3 1/4"
2 - B	37'-3 3/4"
2 - C	22'-10"
2 - D	30'-5 1/4"
2 - E	39'-5"
2 - F	43'-2 1/4"
2 - G	20'-3 1/4"
2 - H	42'-0 1/2"
2 - Y	11'-10 3/4"
2 - Z	28'-6 3/4"

JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END LAZY EL LEFT
20' x 49'

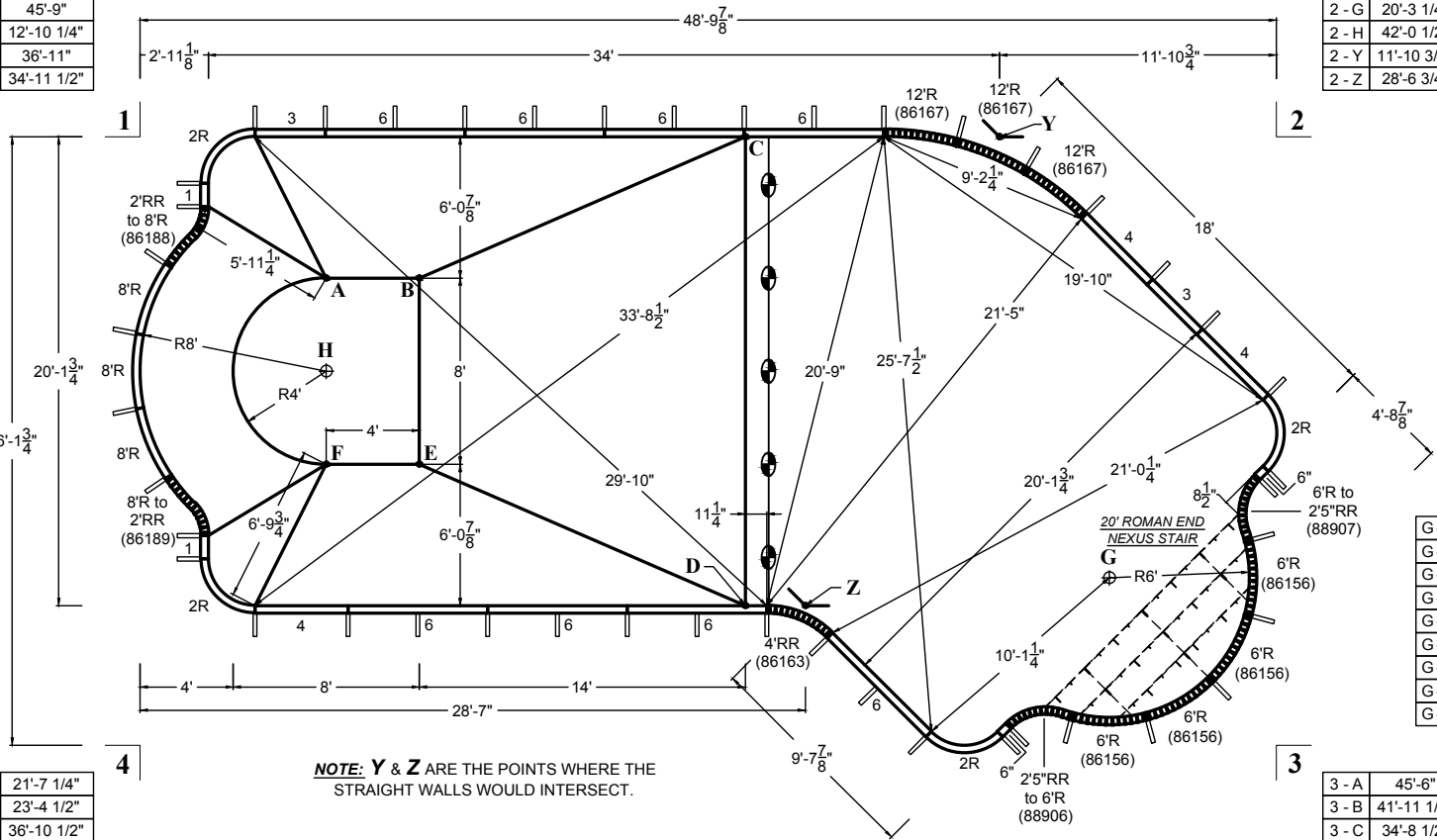
POOL SURFACE AREA	940.8 ft ²	LINER SQ. FT.	1120.8218 ft ²
POOL VOLUME	28950 gal	POOL PERIMETER	128'-9"
	109600 L		39.24 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
2 6" PLAIN PANEL	42100
2 1" PLAIN PANEL	42101
2 3" PLAIN PANEL	42108
1 4" PLAIN PANEL	42106
2 4" SKIMMER PANEL	42106S
8 6" PLAIN PANEL w/ RETURN	42107
4 2" RADIUS CORNER PANEL	42110
3 8" RADIUS PANEL	42111
12 VERSA-FLEX PANEL	42115
3 12' RADIUS STRAP SET	86167S
4 6' RADIUS STRAP SET	86156S
1 4' REVERSE RADIUS STRAP SET	86163S
1 2'RR to 8'R STRAP SET	86188S
1 8'R to 2'RR STRAP SET	86189S
1 2'5'RR to 6'R STRAP SET	88906S
1 6'R to 2'5'RR STRAP SET	88907S
312 PUSH NUTS	09115
44 BRACE SYSTEM COMPLETE	42146
1 20' ROMAN END NEXUS STAIR	NSS021
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
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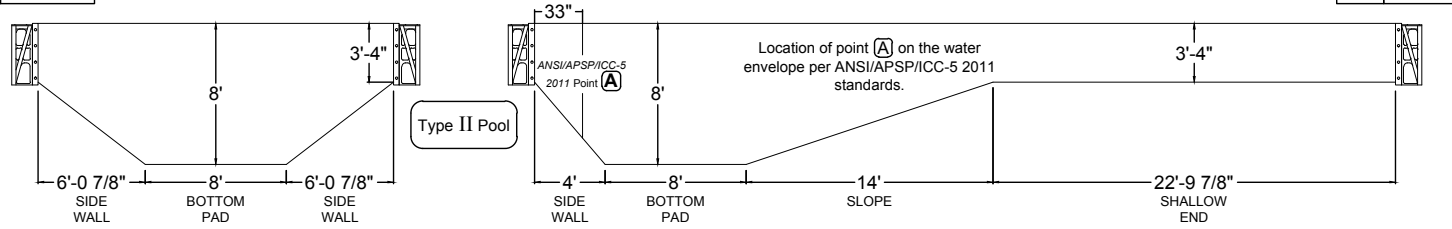


NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

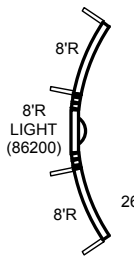
H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	34'-9 1/2"
H - Y	30'-7 1/2"
H - Z	22'-11"

4 - A	21'-7 1/4"
4 - B	23'-4 1/2"
4 - C	36'-10 1/2"
4 - D	26'-8 1/4"
4 - E	17'-0 1/4"
4 - F	14'-5 3/4"
4 - G	42'-3"
4 - H	17'-11 1/2"
4 - Y	45'-3"
4 - Z	29'-2 1/2"

3 - A	45'-6"
3 - B	41'-11 1/4"
3 - C	34'-8 1/2"
3 - D	23'-7 1/4"
3 - E	38'-9"
3 - F	42'-6 3/4"
3 - G	10'-2"
3 - H	43'-10 1/2"
3 - Y	28'-8 3/4"
3 - Z	21'-1 1/4"



LIGHT PANEL OPTION



ROMAN END LAZY EL RIGHT
20' x 49'

POOL SURFACE AREA	→ 923.1 ft ²	LINER SQ. FT.	→ 1165.1007 ft ²
POOL VOLUME	→ 27800 gal	POOL PERIMETER	→ 126'-7"
	105200 L		38.58 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
1 1	6" PLAIN PANEL 42100
2 4 4	1' PLAIN PANEL 42101
1 1 2	3' PLAIN PANEL 42108
1 1	3' SKIMMER PANEL 42108S
1 1	3'6" PLAIN PANEL 42105
2 1	4' PLAIN PANEL 42106
2 1 2	4' SKIMMER PANEL 42106S
8 8 8	6' PLAIN PANEL w/ RETURN 42107
2 4 4	2' RADIUS CORNER PANEL 42110
3 6 6	8' RADIUS PANEL 42111
12 8 8	VERSA-FLEX PANEL 42115
3 3 3	12' RADIUS STRAP SET 86167S
1 1 1	4' REVERSE RADIUS STRAP SET 86163S
1 2 2	2'RR to 8'R STRAP SET 86188S
1 2 2	8'R to 2'RR STRAP SET 86189S
1 1	2'RR to 8'R STRAP SET 86190S
1 1	8'R to 2'RR STRAP SET 86191S
1 1	2'R to 2'RR STRAP SET 86192S
1 1	2'RR to 2'R STRAP SET 86193S
1 1	STRAIGHT to 2'R STRAP SET 86194S
1 1	2'R to STRAIGHT STRAP SET 86195S
312 208 208	PUSH NUTS 09115
41 42 43	BRACE SYSTEM COMPLETE 42146
1 1	8' RADIUS STEP & REST 07418RSNR
1 1	8' STEP & REST 07418SNR
12' 12'	3/8"-16X HEX WASHER HEAD BOLT 148838
12' 12'	3/8"-16 HEX WASHER HEAD NUT 149664
	CHANNEL-LOC SONOTUBE 86151
	VERSA-FLEX STANDARD LIGHT PANEL 42116L

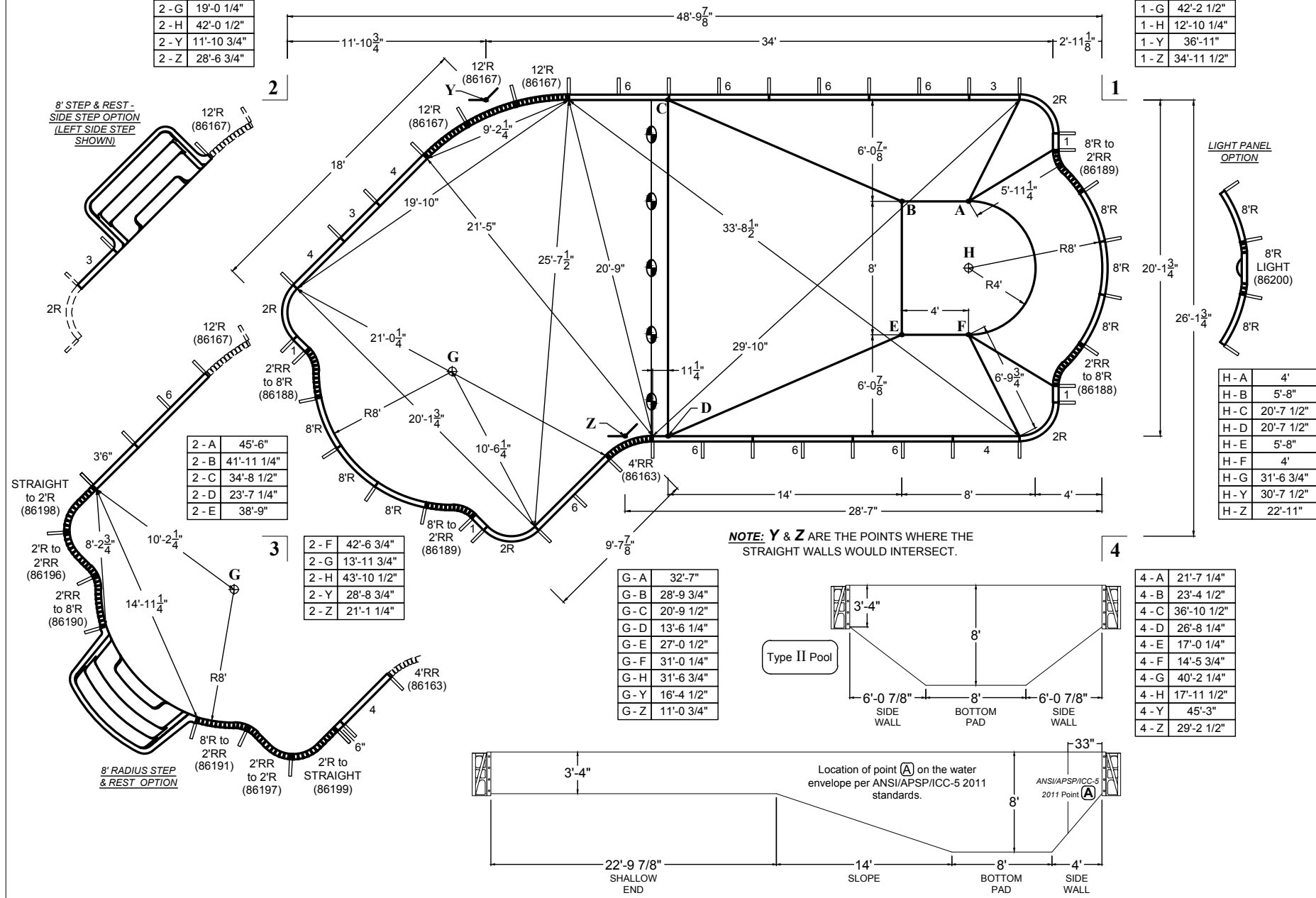
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	41'-3 1/4"
2 - B	37'-3 3/4"
2 - C	22'-10"
2 - D	30'-5 1/4"
2 - E	39'-5"
2 - F	43'-2 1/4"
2 - G	19'-0 1/4"
2 - H	42'-0 1/2"
2 - Y	11'-10 3/4"
2 - Z	28'-6 3/4"

1 - 3	55'-4 1/2"
2 - 4	

1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	42'-2 1/2"
1 - H	12'-10 1/4"
1 - Y	36'-11"
1 - Z	34'-11 1/2"

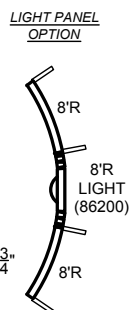
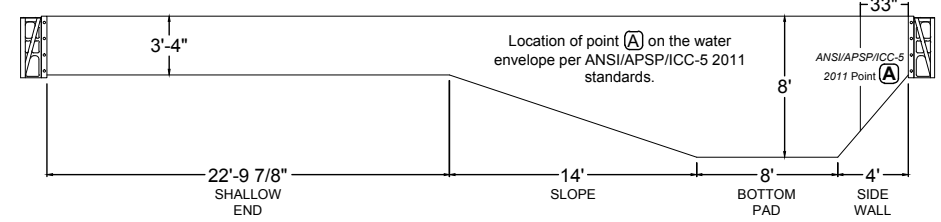
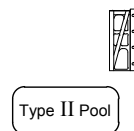


2 - A	45'-6"
2 - B	41'-11 1/4"
2 - C	34'-8 1/2"
2 - D	23'-7 1/4"
2 - E	38'-9"

2 - F	42'-6 3/4"
2 - G	13'-11 3/4"
2 - H	43'-10 1/2"
2 - Y	28'-8 3/4"
2 - Z	21'-1 1/4"

G - A	32'-7"
G - B	28'-9 3/4"
G - C	20'-9 1/2"
G - D	13'-6 1/4"
G - E	27'-0 1/2"
G - F	31'-0 1/4"
G - H	31'-6 3/4"
G - Y	16'-4 1/2"
G - Z	11'-0 3/4"

4 - A	21'-7 1/4"
4 - B	23'-4 1/2"
4 - C	36'-10 1/2"
4 - D	26'-8 1/4"
4 - E	17'-0 1/4"
4 - F	14'-5 3/4"
4 - G	40'-2 1/4"
4 - H	17'-11 1/2"
4 - Y	45'-3"
4 - Z	29'-2 1/2"



H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	31'-6 3/4"
H - Y	30'-7 1/2"
H - Z	22'-11"

2 - A	41'-3 1/4"
2 - B	37'-3 3/4"
2 - C	22'-10"
2 - D	30'-5 1/4"
2 - E	39'-5"
2 - F	43'-2 1/4"
2 - G	20'-3 1/4"
2 - H	42'-0 1/2"
2 - Y	11'-10 3/4"
2 - Z	28'-6 3/4"

1 - 3	55'-4 1/2"
2 - 4	

1 - A	10'-0 1/2"
1 - B	13'-5 1/4"
1 - C	26'
1 - D	32'-10 3/4"
1 - E	18'-6"
1 - F	16'-2 1/4"
1 - G	45'-9"
1 - H	12'-10 1/4"
1 - Y	36'-11"
1 - Z	34'-11 1/2"

JANUARY
2013

MATRIX
POOL SYSTEM

ROMAN END LAZY EL RIGHT
20' x 49'

POOL SURFACE AREA	940.8 ft ² 87.4 m ²	LINER SQ. FT.	1120.8218 ft ²
POOL VOLUME	28950 gal 109600 L	POOL PERIMETER	128'-9" 39.24 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

	ITEM DESCRIPTION	PART #
2	6" PLAIN PANEL	42100
2	1' PLAIN PANEL	42101
2	3' PLAIN PANEL	42108
1	4' PLAIN PANEL	42106
2	4' SKIMMER PANEL	42106S
8	6' PLAIN PANEL w/ RETURN	42107
4	2' RADIUS CORNER PANEL	42110
3	8' RADIUS PANEL	42111
12	VERSA-FLEX PANEL	42115
3	12' RADIUS STRAP SET	86167S
4	6' RADIUS STRAP SET	86156S
1	4' REVERSE RADIUS STRAP SET	86163S
1	2'RR to 8'R STRAP SET	86188S
1	8'R to 2'RR STRAP SET	86189S
1	2'5"RR to 6'R STRAP SET	88906S
1	6'R to 2'5"RR STRAP SET	88907S
312	PUSH NUTS	09115
44	BRACE SYSTEM COMPLETE	42146
1	20' ROMAN END NEXUS STAIR CHANNEL-LOC SONOTUBE	NSS021 86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

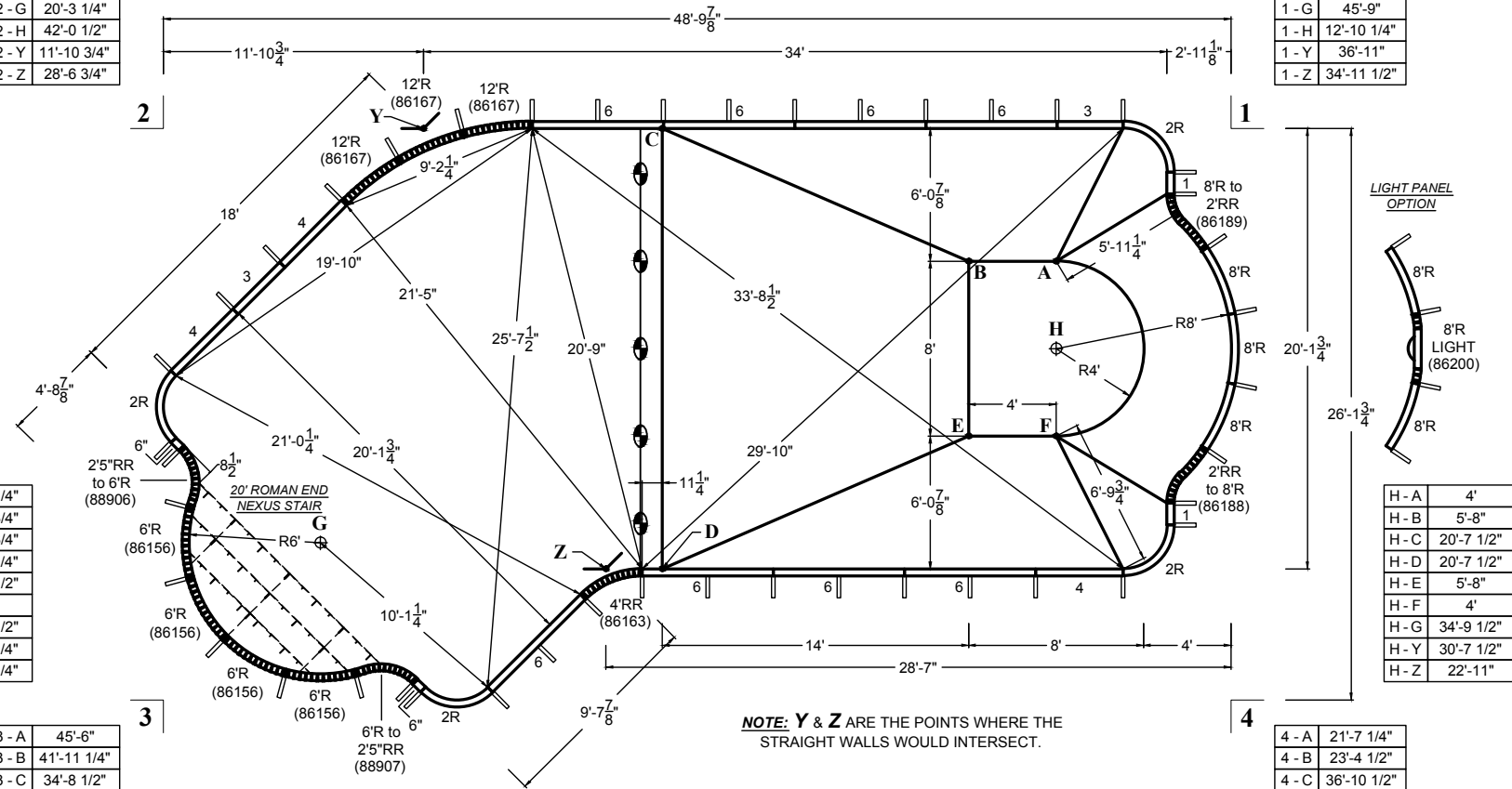
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

G - A	36'-0 1/4"
G - B	32'-3 3/4"
G - C	24'-6 3/4"
G - D	15'-8 1/4"
G - E	30'-0 1/2"
G - F	34'
G - H	34'-9 1/2"
G - Y	19'-6 1/4"
G - Z	13'-1 1/4"

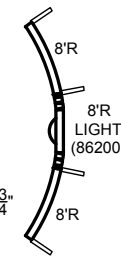
3 - A	45'-6"
3 - B	41'-11 1/4"
3 - C	34'-8 1/2"
3 - D	23'-7 1/4"
3 - E	38'-9"
3 - F	42'-6 3/4"
3 - G	10'-2"
3 - H	43'-10 1/2"
3 - Y	28'-8 3/4"
3 - Z	21'-1 1/4"

4 - A	21'-7 1/4"
4 - B	23'-4 1/2"
4 - C	36'-10 1/2"
4 - D	26'-8 1/4"
4 - E	17'-0 1/4"
4 - F	14'-5 3/4"
4 - G	42'-3"
4 - H	17'-11 1/2"
4 - Y	45'-3"
4 - Z	29'-2 1/2"

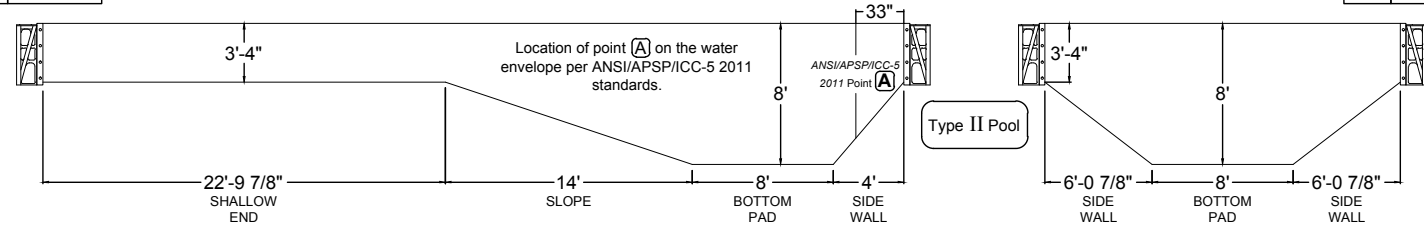


NOTE: Y & Z ARE THE POINTS WHERE THE STRAIGHT WALLS WOULD INTERSECT.

LIGHT PANEL OPTION



H - A	4'
H - B	5'-8"
H - C	20'-7 1/2"
H - D	20'-7 1/2"
H - E	5'-8"
H - F	4'
H - G	34'-9 1/2"
H - Y	30'-7 1/2"
H - Z	22'-11"



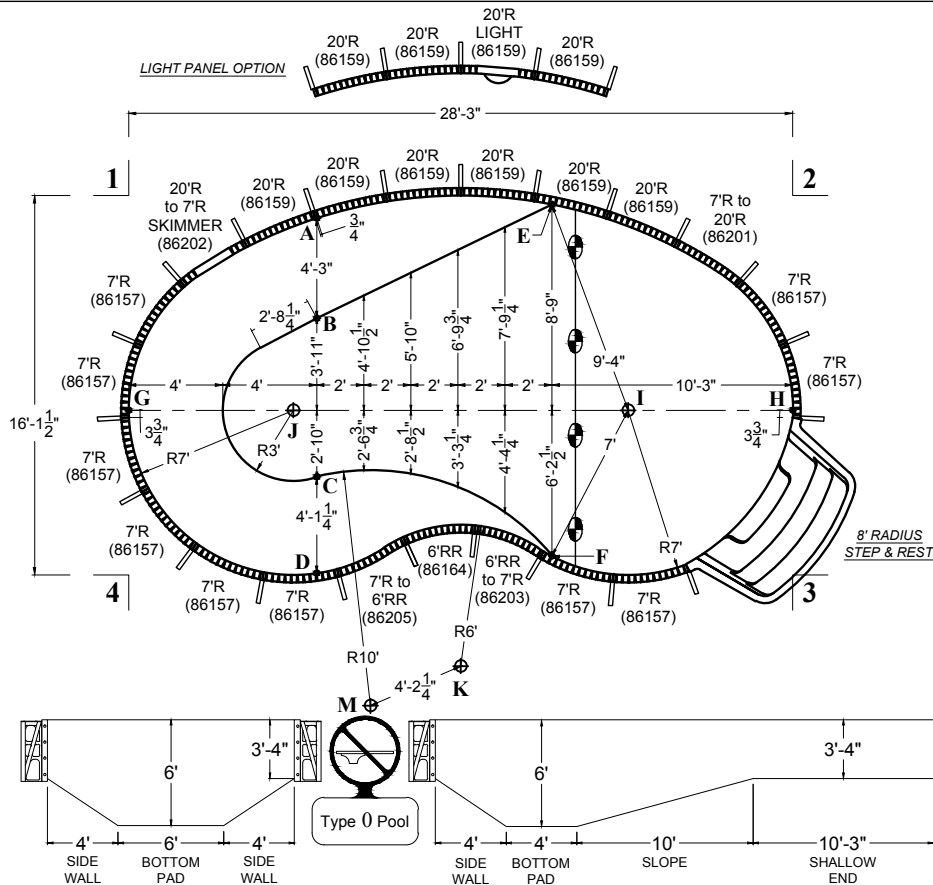
Type II Pool

KIDNEY LEFT
14' x 28'

POOL SURFACE AREA	→ 364.9 ft ²	LINER SQ. FT.	→ 395.50 ft ²
	→ 33.9 m ²		
POOL VOLUME	→ 10000 gal	POOL PERIMETER	→ 74'-2"
	→ 37850 L		→ 22.60 m

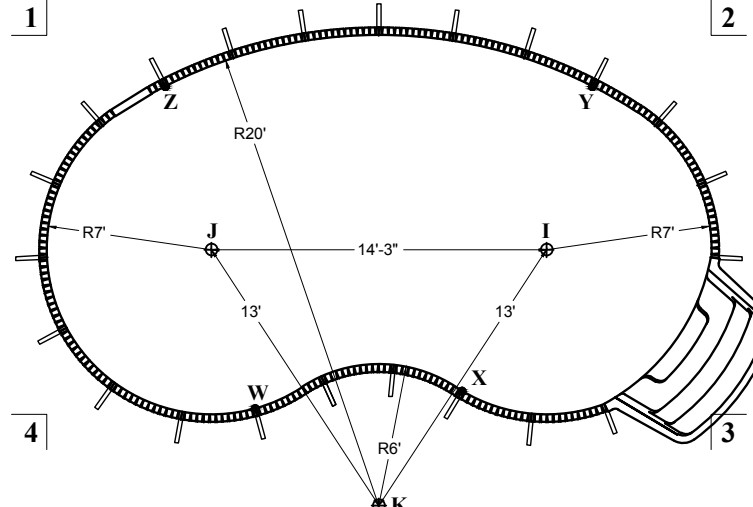
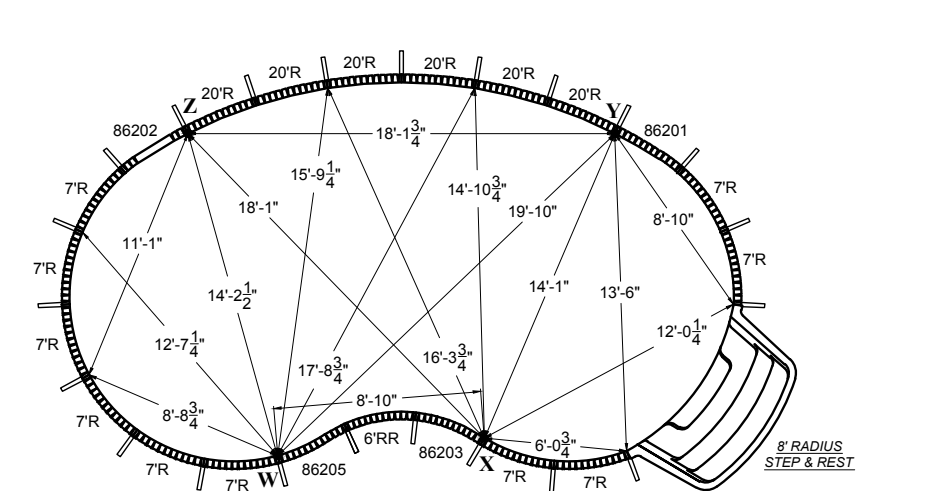
NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
1 VERSA-FLEX SKIMMER PANEL	42116S
20 VERSA-FLEX PANEL	42115
10 7' RADIUS STRAP SET	86157S
6 20' RADIUS STRAP SET	86159S
1 6' REVERSE RADIUS STRAP SET	86164S
1 7'R to 20'R STRAP SET	86201S
1 20'R to 7'R STRAP SET	86202S
1 6'RR to 7'R STRAP SET	86203S
1 7'R to 6'RR STRAP SET	86205S
546 PUSH NUTS	09115
22 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L



1 - A	8'-0 3/4"	2 - A	20'-3 1/4"	3 - A	25'-3 1/2"	4 - A	17'-1 3/4"
1 - B	9'-6 1/2"	2 - B	20'-10 3/4"	3 - B	23'	4 - B	13'-6 1/4"
1 - C	14'-4 1/2"	2 - C	23'-6"	3 - C	20'-8"	4 - C	9'-0 1/4"
1 - D	17'-11 1/4"	2 - D	25'-10"	3 - D	20'-3"	4 - D	8'
1 - E	18'	2 - E	10'-3"	3 - E	18'-9 1/4"	4 - E	23'-11"
1 - F	23'-7 3/4"	2 - F	18'-5 1/4"	3 - F	10'-3 1/4"	4 - F	18'-0 1/4"
1 - G	9'-1 1/2"	2 - G	29'-8 1/4"	3 - G	29'-1 1/4"	4 - G	7'
1 - H	29'-8 1/4"	2 - H	9'-1 1/2"	3 - H	7'	4 - H	29'-1 1/4"
1 - I	23'-1 1/2"	2 - I	11'-6"	3 - I	9'-10 3/4"	4 - I	22'-4 1/4"
1 - J	11'-6"	2 - J	23'-1 1/2"	3 - J	22'-4 1/4"	4 - J	9'-10 3/4"
1 - K	24'-5 3/4"	2 - K	24'-5 3/4"	3 - K	14'-7 3/4"	4 - K	14'-7 3/4"
1 - M	24'	2 - M	28'-2"	3 - M	18'-9 1/2"	4 - M	11'-8 1/4"
1 - W	18'-2"	2 - W	25'-0 3/4"	3 - W	19'-4 1/2"	4 - W	8'-10 1/4"
1 - X	23'-3"	2 - X	18'-5 3/4"	3 - X	10'-7 1/2"	4 - X	17'-8 1/4"
1 - Y	23'-3 1/2"	2 - Y	5'-6"	3 - Y	14'-10"	4 - Y	27'-0 3/4"
1 - Z	5'-6"	2 - Z	23'-3 1/2"	3 - Z	27'-0 3/4"	4 - Z	14'-10"

G - A	11'-5 1/4"	H - A	21'-10"	1 - 3	32'-6 1/4"
G - B	8'-10 3/4"	H - B	20'-7 1/4"		
G - C	8'-5 3/4"	H - C	20'-5 1/4"		
G - D	10'-7"	H - D	21'-4 3/4"		
G - E	20'-0 1/4"	H - E	13'-5 1/2"		
G - F	19'-0 1/2"	H - F	11'-11 3/4"		
G - H	28'-3"	H - G	28'-3"		
G - M	16'-2 3/4"	H - M	21'-11"		



- 1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- 2. Back fill with clean earth, free of roots and debris.
- 3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- 4. All inside pool dimensions are to be finished dimensions.
- 5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- 6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- 7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- 8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

KIDNEY LEFT
14' x 28'

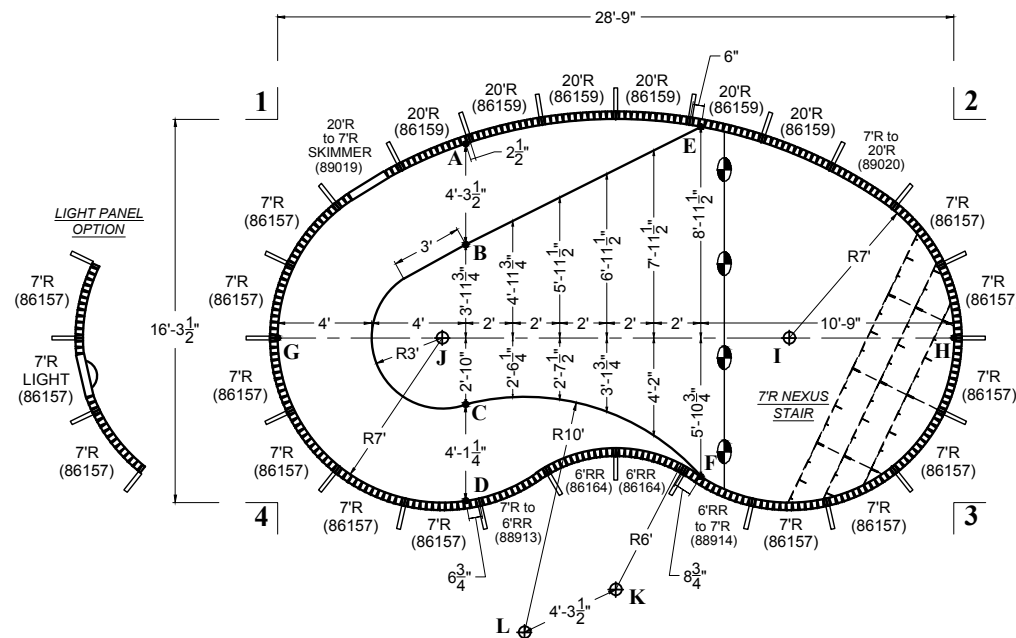
POOL SURFACE AREA	→	373.6 ft ²	LINER SQ. FT.	→	402,300 ft ²
		34.7 m ²			
POOL VOLUME	→	10200 gal	POOL PERIMETER	→	75'-4"
		38600 L			22.96 m

NO DIVING ALLOWED IN THIS POOL

NEXUS END STAIR		ITEM DESCRIPTION	PART #
↓	↓	1 VERSA-FLEX SKIMMER PANEL	42116S
		23 VERSA-FLEX PANEL	42115
		12 7' RADIUS STRAP SET	86157S
		6 20' RADIUS STRAP SET	86159S
		2 6' REVERSE RADIUS STRAP SET	86164S
		1 7'R to 6'RR STRAP SET	88913S
		1 6'RR to 7'R STRAP SET	88914S
		1 20'R to 7'R STRAP SET	89019S
		1 7'R to 20'R STRAP SET	89020S
		624 PUSH NUTS	09115
		24 BRACE SYSTEM COMPLETE	42146
		1 7' RADIUS NEXUS STAIR	NSS002
		CHANNEL-LOC SONOTUBE	86151
		VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.



1 - A	8'-0 3/4"
1 - B	9'-7 1/4"
1 - C	14'-6 1/4"
1 - D	18'-1"
1 - E	18'
1 - F	23'-6 3/4"
1 - G	9'-3 1/2"
1 - H	30'-2 3/4"
1 - I	23'-8"
1 - J	11'-7 3/4"
1 - K	24'-7 1/2"
1 - L	24'-2 1/2"
1 - W	18'-8"
1 - X	22'-10"
1 - Y	26'-4 3/4"
1 - Z	4'-7 3/4"

2 - A	20'-9 1/2"
2 - B	21'-5 1/4"
2 - C	24'-0 1/2"
2 - D	26'-4 1/4"
2 - E	10'-9 1/4"
2 - F	18'-7 1/2"
2 - G	30'-2 3/4"
2 - H	9'-3 1/2"
2 - I	11'-7 3/4"
2 - J	23'-8"
2 - K	24'-7 1/2"
2 - L	28'-5 1/2"
2 - W	22'-10"
2 - X	18'-8"
2 - Y	4'-7 3/4"
2 - Z	26'-4 3/4"

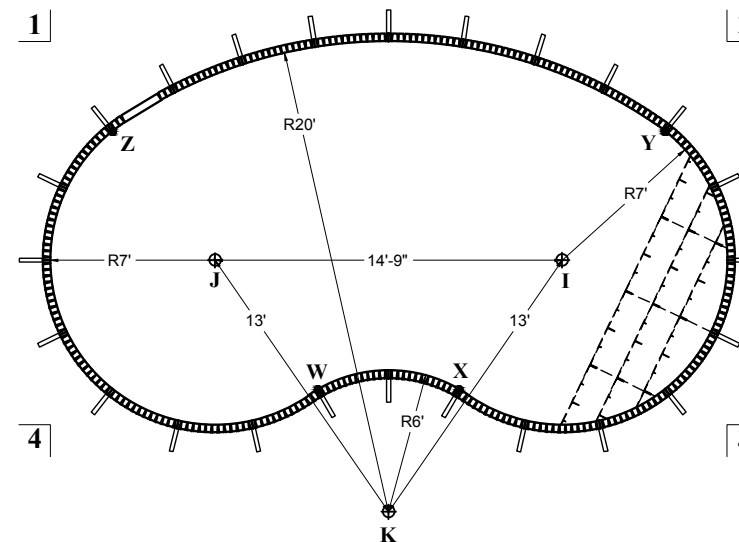
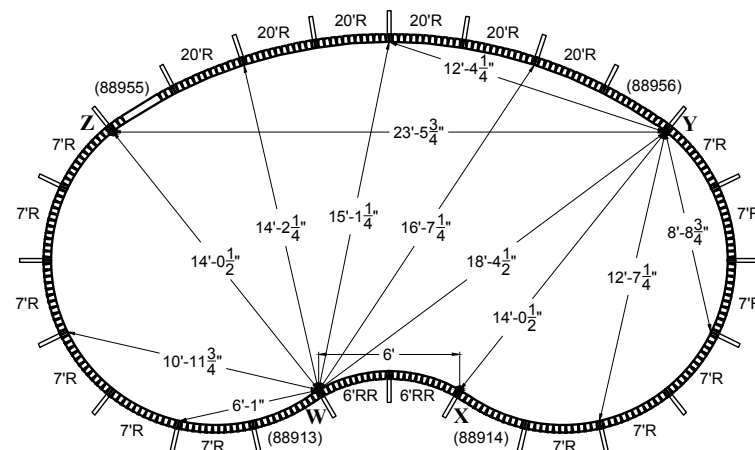
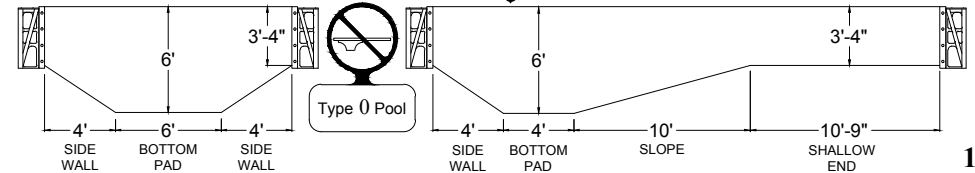
3 - A	25'-9"
3 - B	23'-5 3/4"
3 - C	21'-2"
3 - D	20'-9"
3 - E	19'-3"
3 - F	10'-9 3/4"
3 - G	29'-7 1/4"
3 - H	7'
3 - I	9'-10 3/4"
3 - J	22'-10 1/4"
3 - K	14'-10 1/4"
3 - L	19'-1"
3 - W	17'-5 1/4"
3 - X	11'-5 3/4"
3 - Y	12'-9"
3 - Z	28'-11 1/4"

4 - A	17'-2 3/4"
4 - B	13'-7"
4 - C	9'-0 1/4"
4 - D	8'
4 - E	24'-0 3/4"
4 - F	18'-0 1/2"
4 - G	7'
4 - H	29'-7 1/4"
4 - I	22'-10 1/4"
4 - J	9'-10 3/4"
4 - K	14'-10 1/4"
4 - L	11'-10 1/4"
4 - W	11'-5 3/4"
4 - X	17'-5 1/4"
4 - Y	28'-11 1/4"
4 - Z	12'-9"

G - A	11'-6"
G - B	8'-11 1/4"
G - C	8'-5 3/4"
G - D	10'-7"
G - E	20'-1 1/4"
G - F	18'-11 1/4"
G - H	28'-9"
G - L	16'-4"

H - A	22'-4"
H - B	21'-1 1/2"
H - C	20'-11 1/2"
H - D	21'-10 1/2"
H - E	14'
H - F	12'-3 1/4"
H - G	28'-9"
H - L	22'-1 3/4"

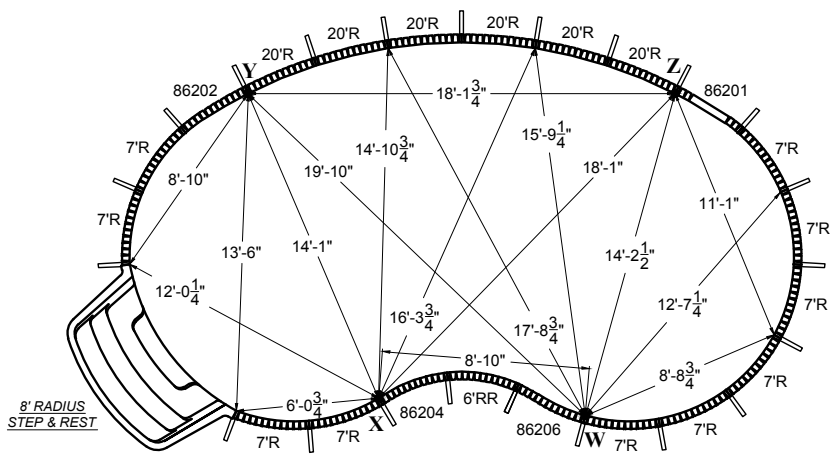
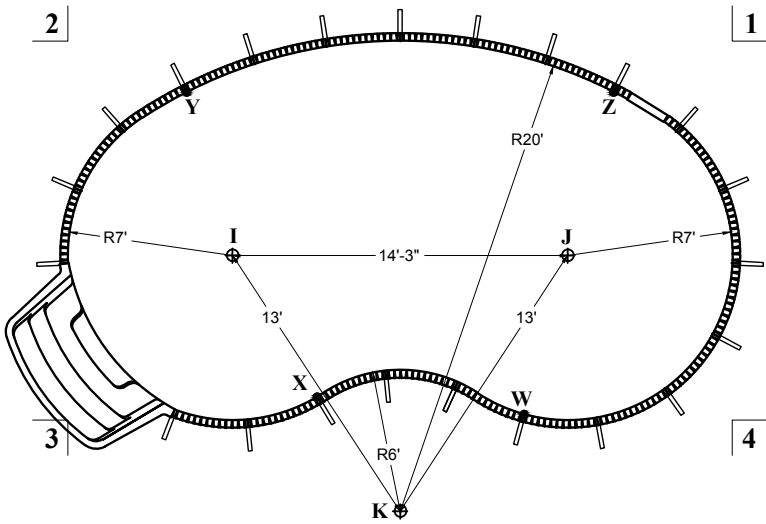
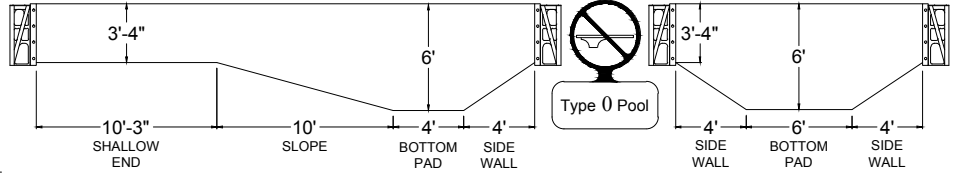
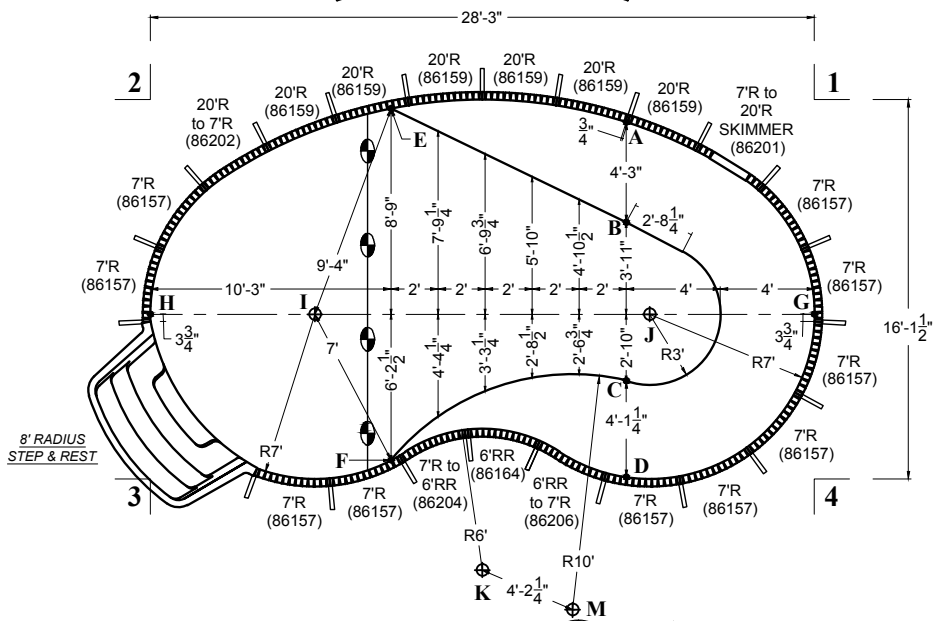
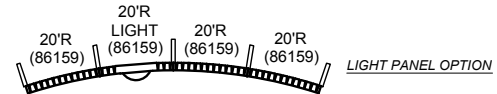
1 - 3	33'-0 3/4"
2 - 4	



1 - A	8'-0 3/4"	2 - A	20'-3 1/4"	3 - A	25'-3 1/2"	4 - A	17'-1 3/4"
1 - B	9'-6 1/2"	2 - B	20'-10 3/4"	3 - B	23'	4 - B	13'-6 1/4"
1 - C	14'-4 1/2"	2 - C	23'-6"	3 - C	20'-8"	4 - C	9'-0 1/4"
1 - D	17'-11 1/4"	2 - D	25'-10"	3 - D	20'-3"	4 - D	8'
1 - E	18'	2 - E	10'-3"	3 - E	18'-9 1/4"	4 - E	23'-11"
1 - F	23'-7 3/4"	2 - F	18'-5 1/4"	3 - F	10'-3 1/4"	4 - F	18'-0 1/4"
1 - G	9'-1 1/2"	2 - G	29'-8 1/4"	3 - G	29'-1 1/4"	4 - G	7'
1 - H	29'-8 1/4"	2 - H	9'-1 1/2"	3 - H	7'	4 - H	29'-1 1/4"
1 - I	23'-1 1/2"	2 - I	11'-6"	3 - I	9'-10 3/4"	4 - I	22'-4 1/4"
1 - J	11'-6"	2 - J	23'-1 1/2"	3 - J	22'-4 1/4"	4 - J	9'-10 3/4"
1 - K	24'-5 3/4"	2 - K	24'-5 3/4"	3 - K	14'-7 3/4"	4 - K	14'-7 3/4"
1 - M	24'	2 - M	28'-2"	3 - M	18'-9 1/2"	4 - M	11'-8 1/4"
1 - W	18'-2"	2 - W	25'-0 3/4"	3 - W	19'-4 1/2"	4 - W	8'-10 1/4"
1 - X	23'-3"	2 - X	18'-5 3/4"	3 - X	10'-7 1/2"	4 - X	17'-8 1/4"
1 - Y	23'-3 1/2"	2 - Y	5'-6"	3 - Y	14'-10"	4 - Y	27'-0 3/4"
1 - Z	5'-6"	2 - Z	23'-3 1/2"	3 - Z	27'-0 3/4"	4 - Z	14'-10"

G - A	11'-5 1/4"	H - A	21'-10"
G - B	8'-10 3/4"	H - B	20'-7 1/4"
G - C	8'-5 3/4"	H - C	20'-5 1/4"
G - D	10'-7"	H - D	21'-4 3/4"
G - E	20'-0 1/4"	H - E	13'-5 1/2"
G - F	19'-0 1/2"	H - F	11'-11 3/4"
G - H	28'-3"	H - G	28'-3"
G - M	16'-2 3/4"	H - M	21'-11"

1 - 3	32'-6 1/4"
2 - 4	



JANUARY
2013

MATRIX
POOL SYSTEM

KIDNEY RIGHT
14' x 28'

POOL SURFACE AREA	364.9 ft ²	LINER SQ. FT.	395.50 ft ²
POOL VOLUME	10000 gal	POOL PERIMETER	74'-2"
	37850 L		22.60 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
1 VERSA-FLEX SKIMMER PANEL	42116S
20 VERSA-FLEX PANEL	42115
10 7' RADIUS STRAP SET	86157S
6 20' RADIUS STRAP SET	86159S
1 6' REVERSE RADIUS STRAP SET	86164S
1 7'R to 20'R STRAP SET	86201S
1 20'R to 7'R STRAP SET	86202S
1 7'R to 6'RR STRAP SET	86204S
1 6'RR to 7'R STRAP SET	86206S
546 PUSH NUTS	09115
22 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

KIDNEY RIGHT
14' x 28'

POOL SURFACE AREA	373.6 ft ²	LINER SQ. FT.	402.3000 ft ²
POOL VOLUME	10200 gal	POOL PERIMETER	75'-4"
	38600 L		22.96 m

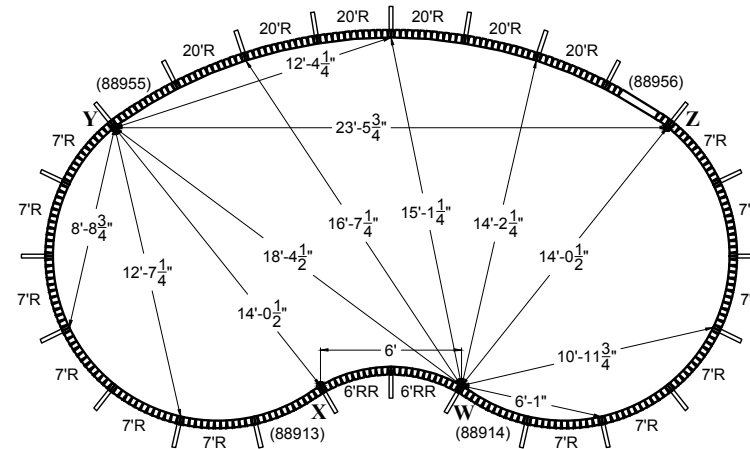
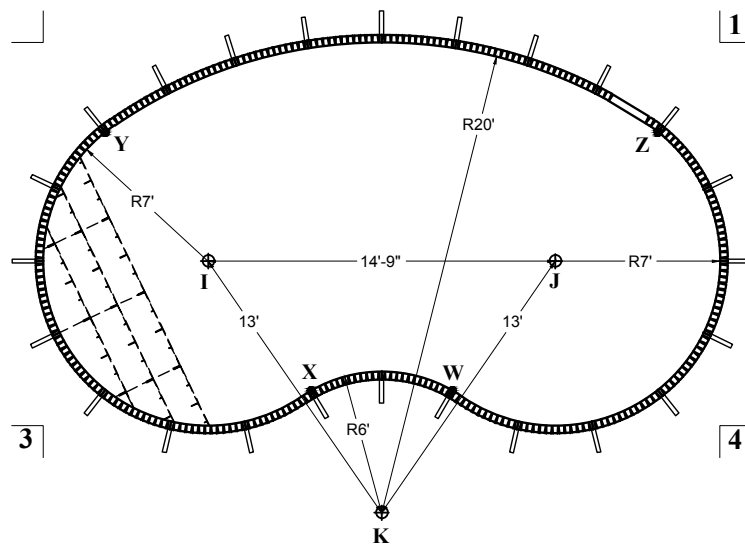
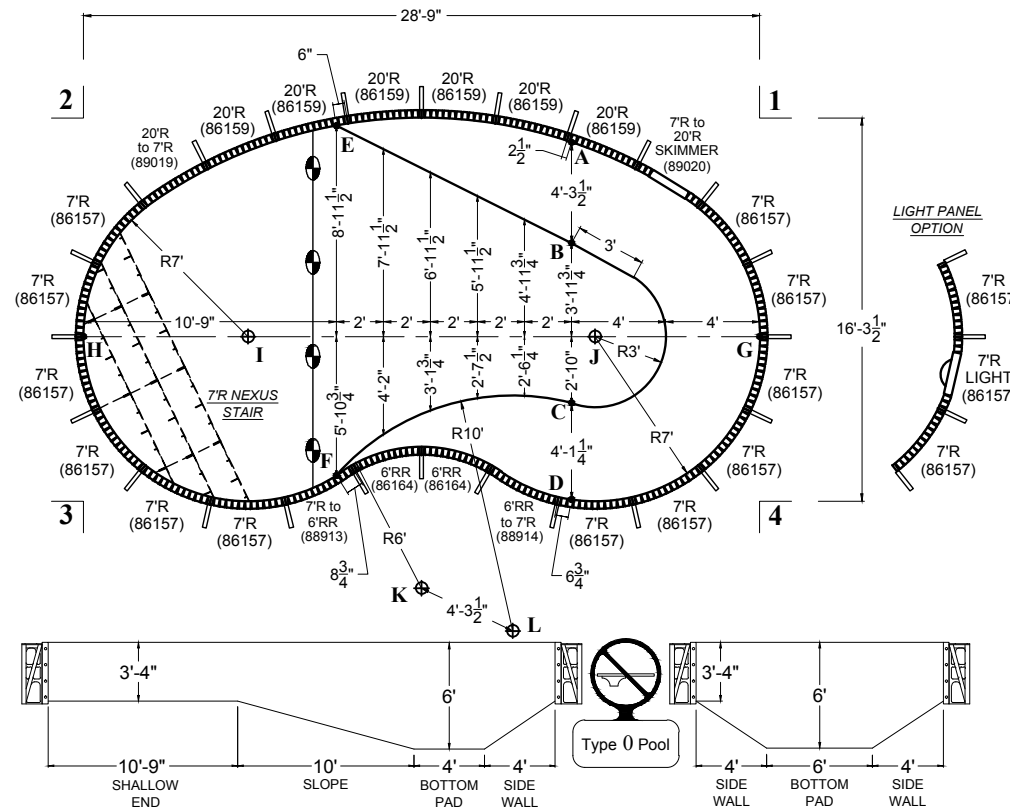
NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
1 VERSA-FLEX SKIMMER PANEL	42116S
23 VERSA-FLEX PANEL	42115
12 7' RADIUS STRAP SET	86157S
6 20' RADIUS STRAP SET	86159S
2 6' REVERSE RADIUS STRAP SET	86164S
1 7'R to 6'RR STRAP SET	88913S
1 6'RR to 7'R STRAP SET	88914S
1 20'R to 7'R STRAP SET	89019S
1 7'R to 20'R STRAP SET	89020S
624 PUSH NUTS	09115
24 BRACE SYSTEM COMPLETE	42146
1 7' RADIUS NEXUS STAIR	NSS002
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

1 - A	8'-0 3/4"	2 - A	20'-9 1/2"	3 - A	25'-9"	4 - A	17'-2 3/4"
1 - B	9'-7 1/4"	2 - B	21'-5 1/4"	3 - B	23'-5 3/4"	4 - B	13'-7"
1 - C	14'-6 1/4"	2 - C	24'-0 1/2"	3 - C	21'-2"	4 - C	9'-0 1/4"
1 - D	18'-1"	2 - D	26'-4 1/4"	3 - D	20'-9"	4 - D	8'
1 - E	18'	2 - E	10'-9 1/4"	3 - E	19'-3"	4 - E	24'-0 3/4"
1 - F	23'-6 3/4"	2 - F	18'-7 1/2"	3 - F	10'-9 3/4"	4 - F	18'-0 1/2"
1 - G	9'-3 1/2"	2 - G	30'-2 3/4"	3 - G	29'-7 1/4"	4 - G	7'
1 - H	30'-2 3/4"	2 - H	9'-3 1/2"	3 - H	7'	4 - H	29'-7 1/4"
1 - I	23'-8"	2 - I	11'-7 3/4"	3 - I	9'-10 3/4"	4 - I	22'-10 1/4"
1 - J	11'-7 3/4"	2 - J	23'-8"	3 - J	22'-10 1/4"	4 - J	9'-10 3/4"
1 - K	24'-7 1/2"	2 - K	24'-7 1/2"	3 - K	14'-10 1/4"	4 - K	14'-10 1/4"
1 - L	24'-2 1/2"	2 - L	28'-5 1/2"	3 - L	19'-1"	4 - L	11'-10 1/4"
1 - W	18'-8"	2 - W	22'-10"	3 - W	17'-5 1/4"	4 - W	11'-5 3/4"
1 - X	22'-10"	2 - X	18'-8"	3 - X	11'-5 3/4"	4 - X	17'-5 1/4"
1 - Y	26'-4 3/4"	2 - Y	4'-7 3/4"	3 - Y	12'-9"	4 - Y	28'-11 1/4"
1 - Z	4'-7 3/4"	2 - Z	26'-4 3/4"	3 - Z	28'-11 1/4"	4 - Z	12'-9"

G - A	11'-6"	H - A	22'-4"
G - B	8'-11 1/4"	H - B	21'-1 1/2"
G - C	8'-5 3/4"	H - C	20'-11 1/2"
G - D	10'-7"	H - D	21'-10 1/2"
G - E	20'-1 1/4"	H - E	14'
G - F	18'-11 1/4"	H - F	12'-3 1/4"
G - H	28'-9"	H - G	28'-9"
G - L	16'-4"	H - L	22'-1 3/4"

1 - 3	33'-0 3/4"
2 - 4	



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

KIDNEY LEFT
16' x 32'

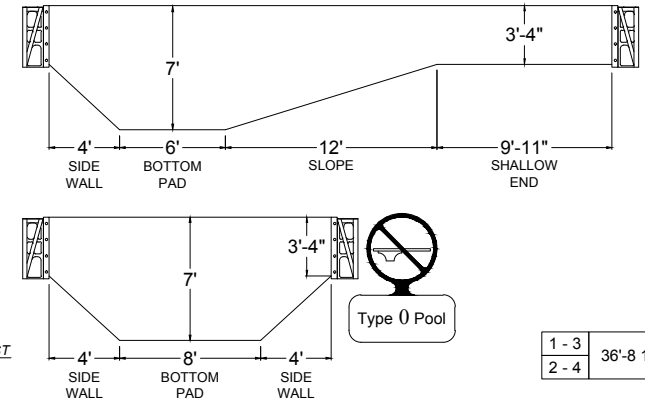
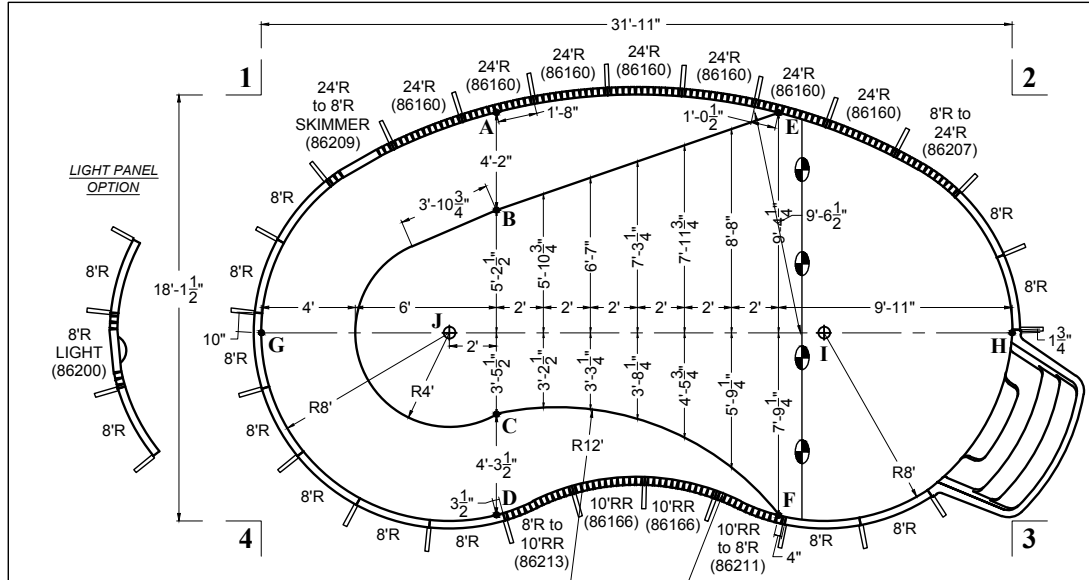
POOL SURFACE AREA	469.3 ft ²	LINER SQ. FT.	510.6667 ft ²
POOL VOLUME	14550 gal	POOL PERIMETER	83'-5"
	55100 L		25.42 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
12 VERSA-FLEX PANEL	42115
7 24' RADIUS STRAP SET	86160S
2 10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS STRAP SET	86200S
1 8'R to 24'R STRAP SET	86207S
1 24'R to 8'R STRAP SET	86209S
1 10'RR to 8'R STRAP SET	86211S
1 8'R to 10'RR STRAP SET	86213S
338 PUSH NUTS	09115
25 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12" 3/8"-16X HEX WASHER HEAD BOLT	148838
12" 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

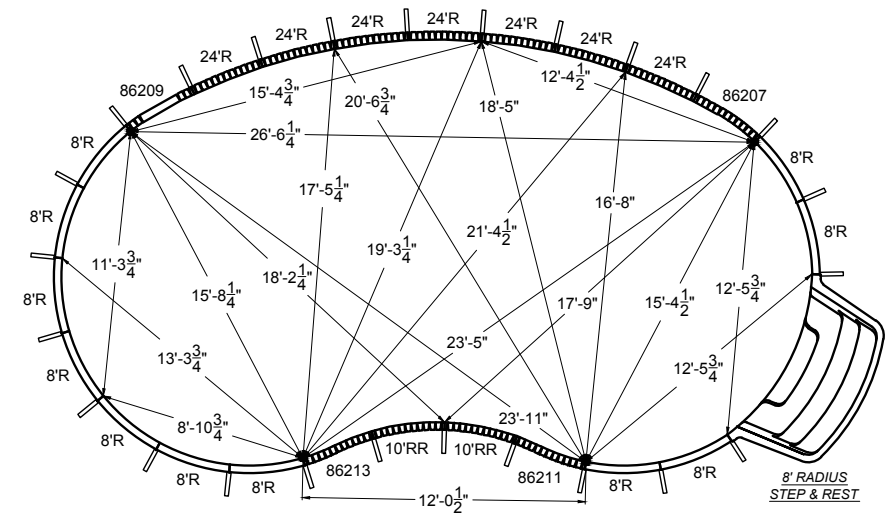
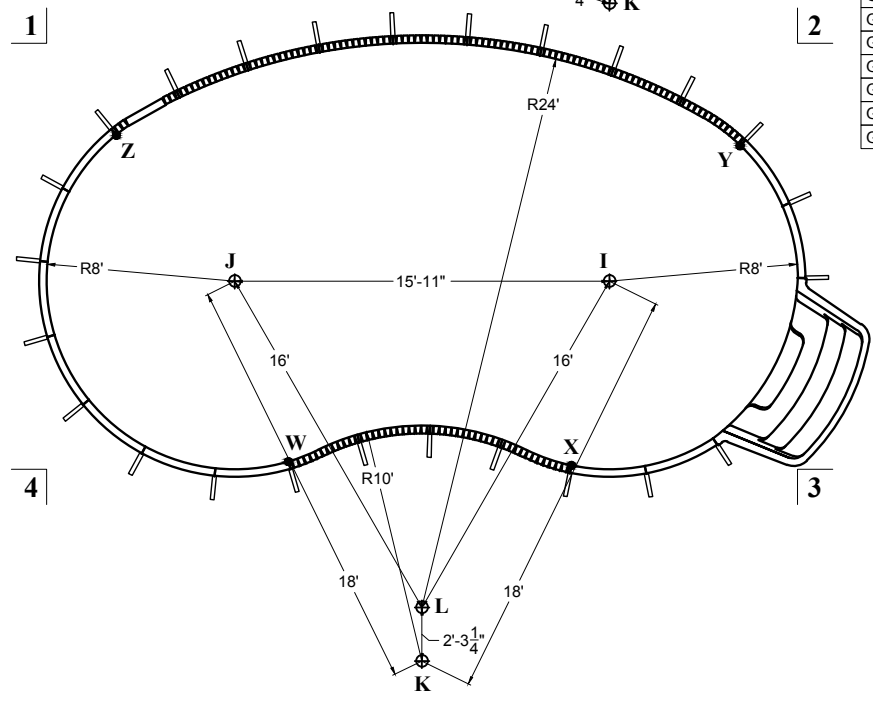


Type 0 Pool

1 - 3	36'-8 1/2"
2 - 4	

1 - A	10'-0 1/4"	2 - A	21'-11 1/4"	3 - A	27'-11 3/4"	4 - A	20'-0 1/2"
1 - B	11'-1 3/4"	2 - B	22'-5 1/2"	3 - B	25'-7 1/4"	4 - B	16'-6 3/4"
1 - C	16'-10 1/2"	2 - C	25'-9 1/2"	3 - C	22'-4 3/4"	4 - C	10'-11 3/4"
1 - D	20'-5 3/4"	2 - D	28'-3 1/2"	3 - D	21'-11"	4 - D	10'
1 - E	22'-0 1/4"	2 - E	9'-11 1/2"	3 - E	19'-11 3/4"	4 - E	28'-0 1/4"
1 - F	28'-4 1/4"	2 - F	20'-5 1/2"	3 - F	9'-11"	4 - F	22'
1 - G	10'-1 1/2"	2 - G	33'-6"	3 - G	32'-11"	4 - G	8'
1 - H	33'-6"	2 - H	10'-1 1/2"	3 - H	8'	4 - H	32'-11"
1 - I	25'-11 3/4"	2 - I	12'-10 3/4"	3 - I	11'-3 3/4"	4 - I	25'-2 3/4"
1 - J	12'-10 3/4"	2 - J	25'-11 3/4"	3 - J	25'-2 3/4"	4 - J	11'-3 3/4"
1 - K	30'-8 3/4"	2 - K	30'-8 3/4"	3 - K	17'-11"	4 - K	17'-11"
1 - L	28'-10"	2 - L	28'-10"	3 - L	17'	4 - L	17'
1 - M	28'-3"	2 - M	31'-10 1/4"	3 - M	20'-7 3/4"	4 - M	14'-5 3/4"
1 - W	20'-6 1/2"	2 - W	28'-0 1/4"	3 - W	21'-7 3/4"	4 - W	10'-3 1/2"
1 - X	28'-7 3/4"	2 - X	20'-4 1/2"	3 - X	9'-7 1/4"	4 - X	22'-3 3/4"
1 - Y	29'-9 3/4"	2 - Y	5"	3 - Y	13'-11 3/4"	4 - Y	32'-6 1/2"
1 - Z	4'-10 3/4"	2 - Z	29'-2 3/4"	3 - Z	32'-3 1/4"	4 - Z	14'-6 1/4"

G - A	13'-8 1/2"	H - A	23'-10"
G - B	11'-3 1/4"	H - B	22'-6 1/2"
G - C	10'-7"	H - C	22'-2 1/4"
G - D	12'-7 3/4"	H - D	23'-3"
G - E	23'-10 3/4"	H - E	13'-7 1/2"
G - F	23'-4"	H - F	12'-7 1/4"
G - H	31'-11"	H - G	31'-11"
G - M	19'-8 1/2"	H - M	24'-7 1/4"



* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

JANUARY
2013

MATRIX
POOL SYSTEM

KIDNEY LEFT
16' x 32'

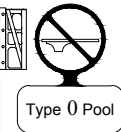
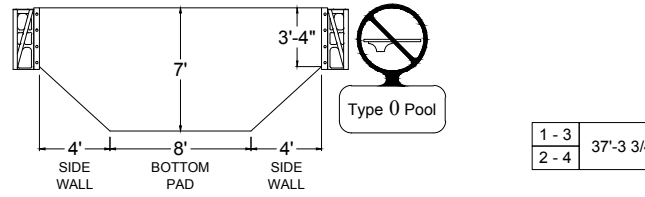
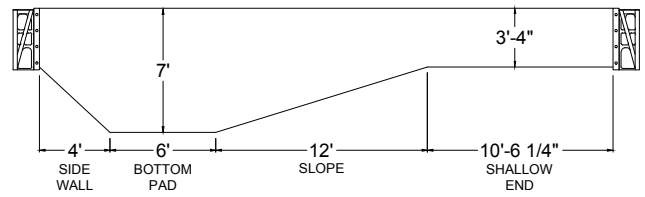
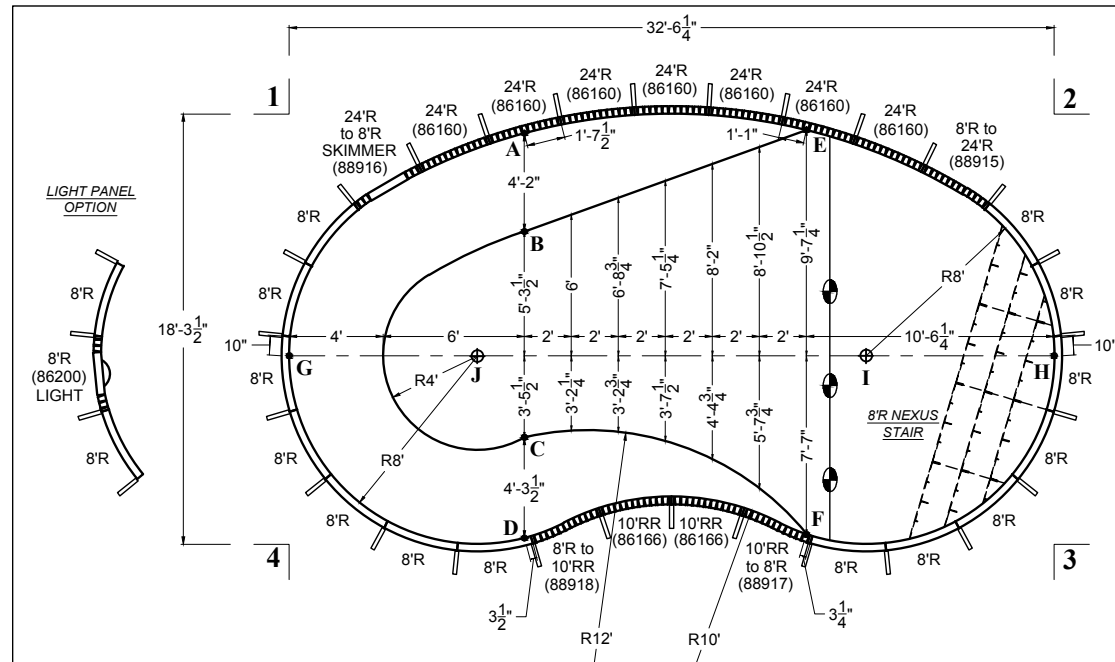
POOL SURFACE AREA	480.7 ft ²	LINER SQ. FT.	520.3328 ft ²
POOL VOLUME	14950 gal	POOL PERIMETER	84'-10"
	56550 L		25.86 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
14 8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
12 VERSA-FLEX PANEL	42115
7 24' RADIUS STRAP SET	86160S
2 10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS STRAP SET	86200S
1 8'R to 24'R STRAP SET	88915S
1 24'R to 8'R STRAP SET	88916S
1 10'RR to 8'R STRAP SET	88917S
1 8'R to 10'RR STRAP SET	88918S
338 PUSH NUTS	09115
27 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

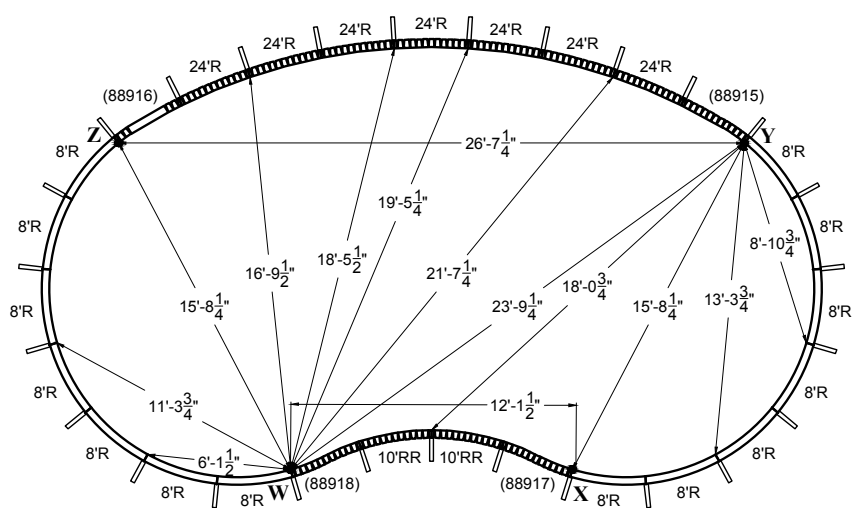
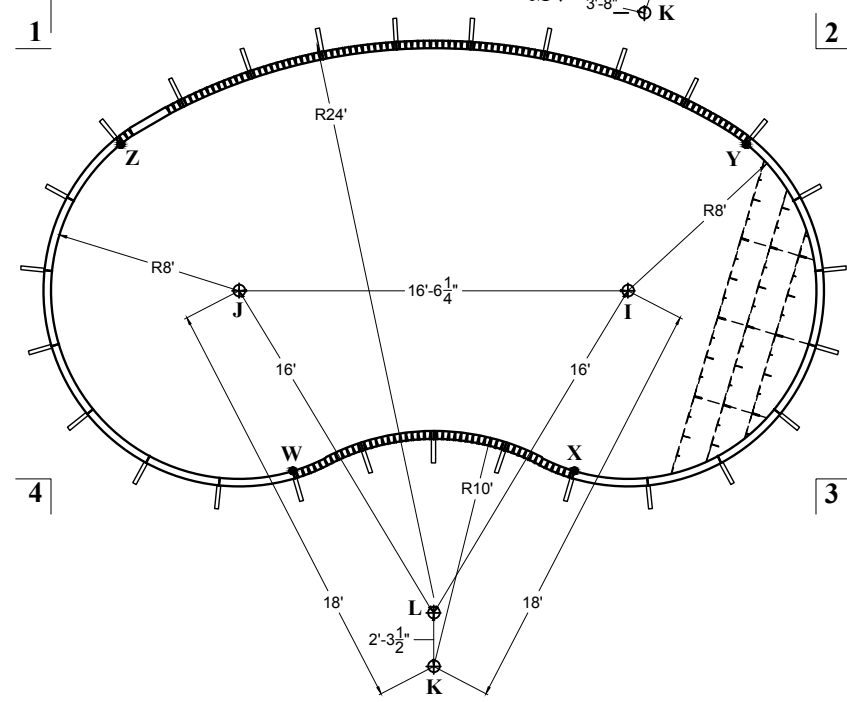
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.



1 - 3	37'-3 3/4"
2 - 4	

1 - A	10'-0 1/2"	2 - A	22'-6 1/2"	3 - A	28'-6"	4 - A	20'-1 1/2"
1 - B	11'-2 1/4"	2 - B	23'-1"	3 - B	26'-1 3/4"	4 - B	16'-7 1/2"
1 - C	17"	2 - C	26'-4 3/4"	3 - C	22'-11 3/4"	4 - C	10'-11 3/4"
1 - D	20'-7 1/2"	2 - D	28'-10 1/4"	3 - D	22'-6 1/4"	4 - D	10'
1 - E	22'-0 1/4"	2 - E	10'-6 1/2"	3 - E	20'-6"	4 - E	28'-2"
1 - F	28'-4 1/4"	2 - F	20'-9"	3 - F	10'-6 1/2"	4 - F	22'
1 - G	10'-3 1/2"	2 - G	34'-1 1/2"	3 - G	33'-6"	4 - G	8'
1 - H	34'-1 1/2"	2 - H	10'-3 1/2"	3 - H	8'	4 - H	33'-6"
1 - I	26'-7 1/4"	2 - I	13'-0 1/2"	3 - I	11'-3 3/4"	4 - I	25'-9 1/2"
1 - J	13'-0 1/2"	2 - J	26'-7 1/4"	3 - J	25'-9 1/2"	4 - J	11'-3 3/4"
1 - K	30'-11"	2 - K	30'-11"	3 - K	18'-1 1/2"	4 - K	18'-1 1/2"
1 - L	29"	2 - L	28'-11 3/4"	3 - L	17'-2 3/4"	4 - L	17'-2 3/4"
1 - M	28'-5 1/4"	2 - M	32'-3 1/4"	3 - M	21'-1"	4 - M	14'-6 3/4"
1 - W	20'-6"	2 - W	29'-3 1/4"	3 - W	22'-11 1/2"	4 - W	9'-6 3/4"
1 - X	27'-10 3/4"	2 - X	20'-10 1/4"	3 - X	10'-11 3/4"	4 - X	21'-6 3/4"
1 - Y	30'-5 1/2"	2 - Y	5'-2"	3 - Y	13'-11 1/4"	4 - Y	33'-1 1/4"
1 - Z	5'-1"	2 - Z	29'-2 1/4"	3 - Z	32'-5 1/2"	4 - Z	15'-1"

G - A	13'-9 1/4"	H - A	24'-5 1/4"
G - B	11'-3 3/4"	H - B	23'-1 3/4"
G - C	10'-7"	H - C	22'-9 1/2"
G - D	12'-7 3/4"	H - D	23'-9 3/4"
G - E	24'	H - E	14'-3"
G - F	23'-3 1/4"	H - F	12'-11 3/4"
G - H	32'-6 1/4"	H - G	32'-6 1/4"
G - M	19'-9 1/4"	H - M	24'-11 1/2"



KIDNEY RIGHT
16' x 32'

POOL SURFACE AREA	→ 469.3 ft ²	LINER SQ. FT.	→ 510.6667 ft ²
POOL VOLUME	→ 14550 gal	POOL PERIMETER	→ 83'-5"
	55100 L		25.42 m

NO DIVING ALLOWED IN THIS POOL

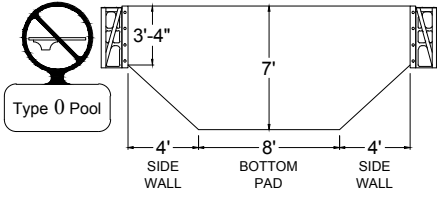
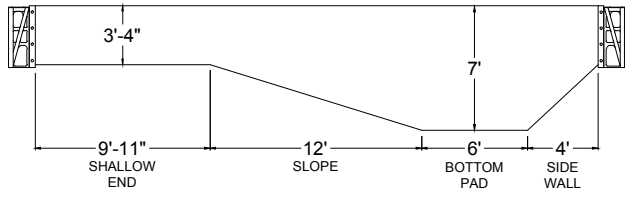
ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
12 VERSA-FLEX PANEL	42115
7 24' RADIUS STRAP SET	86160S
2 10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS STRAP SET	86200S
1 24'R to 8'R STRAP SET	86208S
1 8'R to 24'R STRAP SET	86210S
1 8'R to 10'RR STRAP SET	86212S
1 10'RR to 8'R STRAP SET	86214S
338 PUSH NUTS	09115
25 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

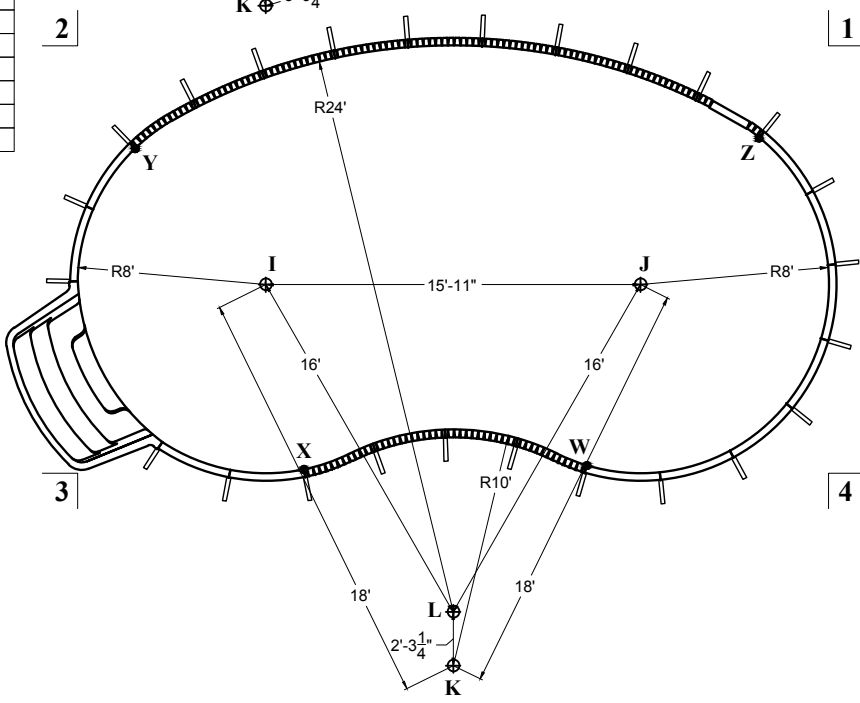
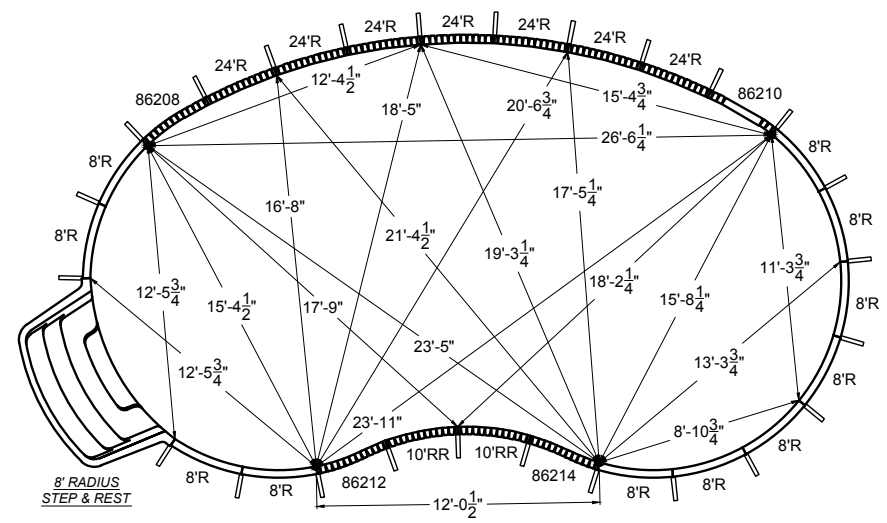
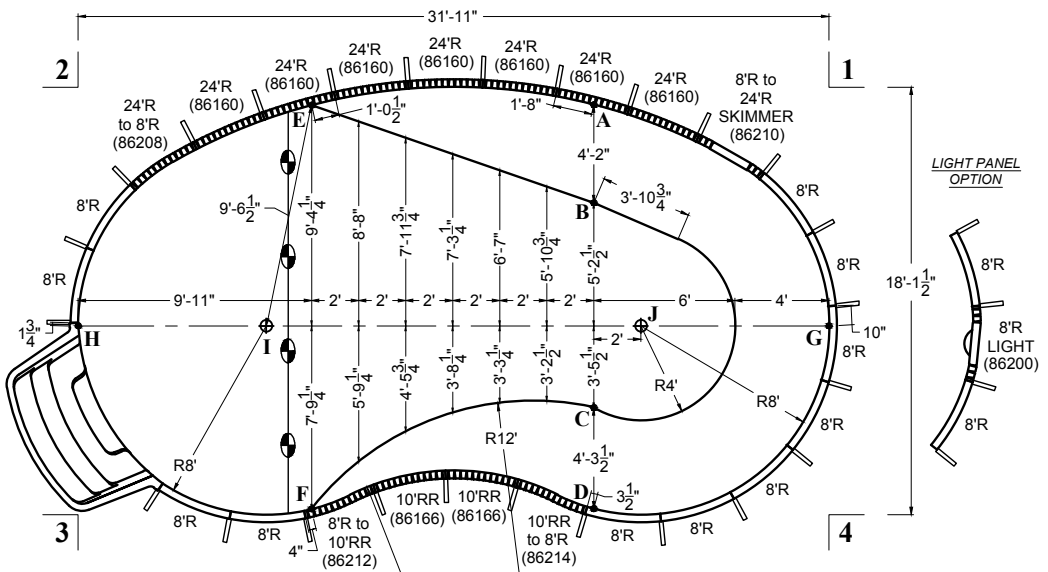


Type O Pool

1 - 3	36'-8 1/2"
2 - 4	

1 - A	10'-0 1/4"	2 - A	21'-11 1/4"	3 - A	27'-11 3/4"	4 - A	20'-0 1/2"
1 - B	11'-1 3/4"	2 - B	22'-5 1/2"	3 - B	25'-7 1/4"	4 - B	16'-6 3/4"
1 - C	16'-10 1/2"	2 - C	25'-9 1/2"	3 - C	22'-4 3/4"	4 - C	10'-11 3/4"
1 - D	20'-5 3/4"	2 - D	28'-3 1/2"	3 - D	21'-11"	4 - D	10'
1 - E	22'-0 1/4"	2 - E	9'-11 1/2"	3 - E	19'-11 3/4"	4 - E	28'-0 1/4"
1 - F	28'-4 1/4"	2 - F	20'-5 1/2"	3 - F	9'-11"	4 - F	22'
1 - G	10'-1 1/2"	2 - G	33'-6"	3 - G	32'-11"	4 - G	8'
1 - H	33'-6"	2 - H	10'-1 1/2"	3 - H	8'	4 - H	32'-11"
1 - I	25'-11 3/4"	2 - I	12'-10 3/4"	3 - I	11'-3 3/4"	4 - I	25'-2 3/4"
1 - J	12'-10 3/4"	2 - J	25'-11 3/4"	3 - J	25'-2 3/4"	4 - J	11'-3 3/4"
1 - K	30'-8 3/4"	2 - K	30'-8 3/4"	3 - K	17'-11"	4 - K	17'-11"
1 - L	28'-10"	2 - L	28'-10"	3 - L	17'	4 - L	17'
1 - M	28'-3"	2 - M	31'-10 1/4"	3 - M	20'-7 3/4"	4 - M	14'-5 3/4"
1 - W	20'-6 1/2"	2 - W	28'-0 1/4"	3 - W	21'-7 3/4"	4 - W	10'-3 1/2"
1 - X	28'-7 3/4"	2 - X	20'-4 1/2"	3 - X	9'-7 1/4"	4 - X	22'-3 3/4"
1 - Y	29'-9 3/4"	2 - Y	5'	3 - Y	13'-11 3/4"	4 - Y	32'-6 1/2"
1 - Z	4'-10 3/4"	2 - Z	29'-2 3/4"	3 - Z	32'-3 1/4"	4 - Z	14'-6 1/4"

G - A	13'-8 1/2"	H - A	23'-10"
G - B	11'-3 1/4"	H - B	22'-6 1/2"
G - C	10'-7"	H - C	22'-2 1/4"
G - D	12'-7 3/4"	H - D	23'-3"
G - E	23'-10 3/4"	H - E	13'-7 1/2"
G - F	23'-4"	H - F	12'-7 1/4"
G - H	31'-11"	H - G	31'-11"
G - M	19'-8 1/2"	H - M	24'-7 1/4"



JANUARY
2013

MATRIX
POOL SYSTEM

KIDNEY RIGHT
16' x 32'

POOL SURFACE AREA	480.7 ft ² 44.7 m ²	LINER SQ. FT.	520.3328 ft ²
POOL VOLUME	14950 gal 56550 L	POOL PERIMETER	84'-10" 25.86 m

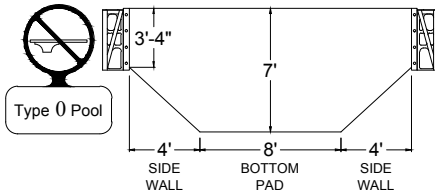
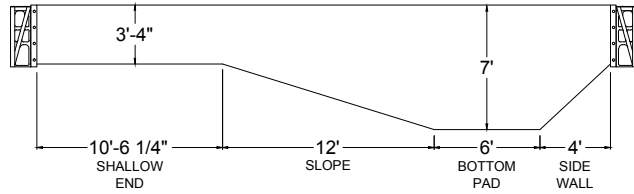
NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
14 8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
12 VERSA-FLEX PANEL	42115
7 24' RADIUS STRAP SET	86160S
2 10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS STRAP SET	86200S
1 8'R to 24'R STRAP SET	88915S
1 24'R to 8'R STRAP SET	88916S
1 10'RR to 8'R STRAP SET	88917S
1 8'R to 10'RR STRAP SET	88918S
338 PUSH NUTS	09115
27 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
5. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
6. Construction Drawing: Different methods and precautions are to be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
7. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

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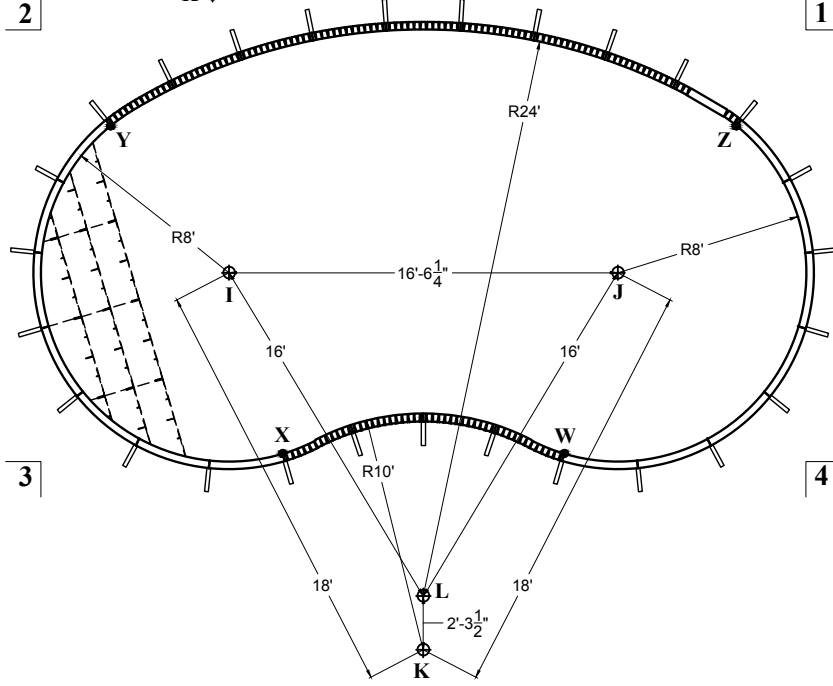
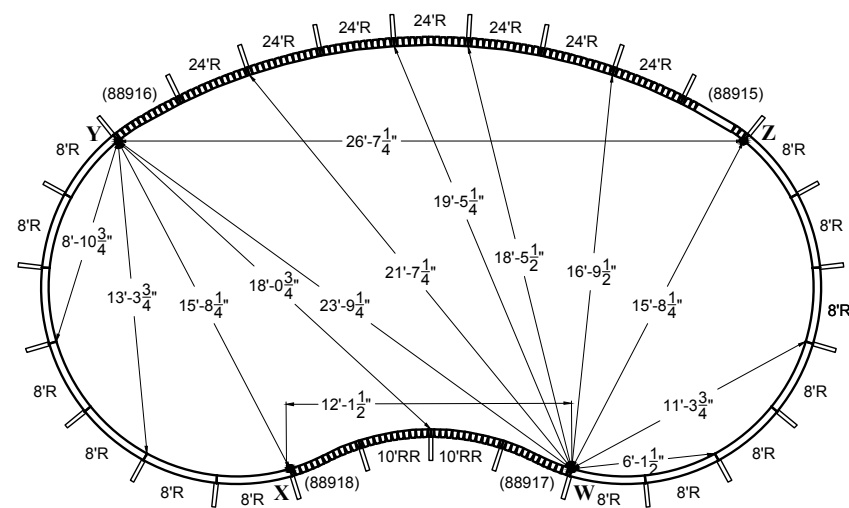
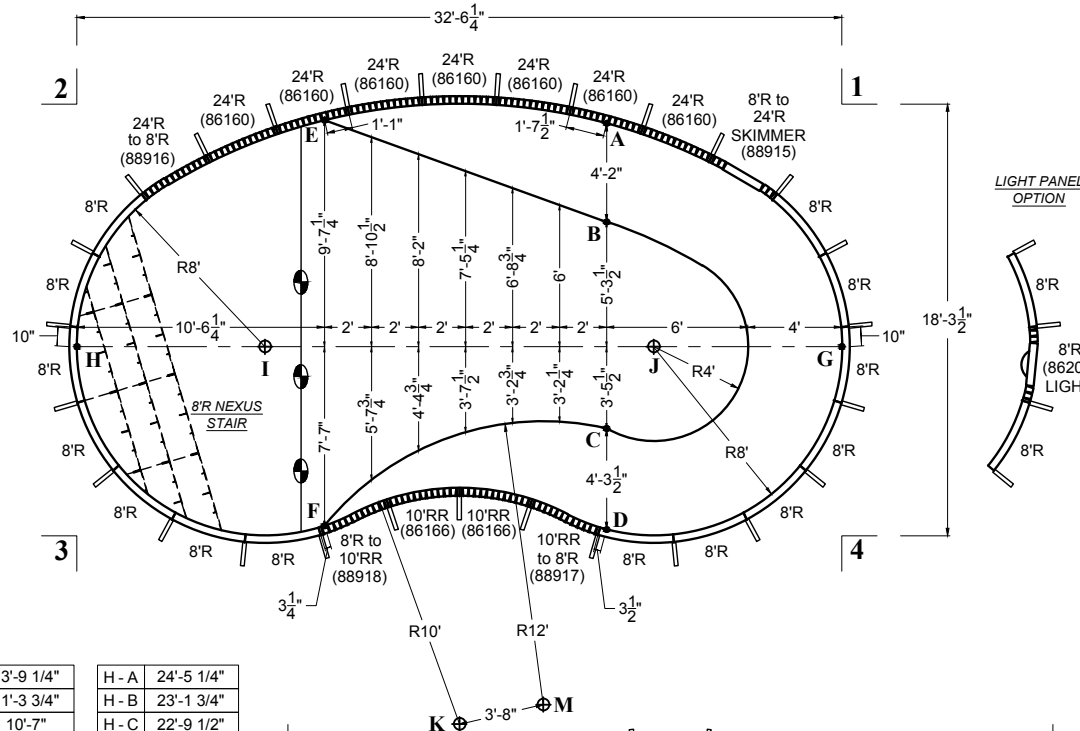


Type 0 Pool

1 - 3	37'-3 3/4"
2 - 4	

1 - A	10'-0 1/2"	2 - A	22'-6 1/2"	3 - A	28'-6"	4 - A	20'-1 1/2"
1 - B	11'-2 1/4"	2 - B	23'-1"	3 - B	26'-1 3/4"	4 - B	16'-7 1/2"
1 - C	17"	2 - C	26'-4 3/4"	3 - C	22'-11 3/4"	4 - C	10'-11 3/4"
1 - D	20'-7 1/2"	2 - D	28'-10 1/4"	3 - D	22'-6 1/4"	4 - D	10"
1 - E	22'-0 1/4"	2 - E	10'-6 1/2"	3 - E	20'-6"	4 - E	28'-2"
1 - F	28'-4 1/4"	2 - F	20'-9"	3 - F	10'-6 1/2"	4 - F	22"
1 - G	10'-3 1/2"	2 - G	34'-1 1/2"	3 - G	33'-6"	4 - G	8"
1 - H	34'-1 1/2"	2 - H	10'-3 1/2"	3 - H	8"	4 - H	33'-6"
1 - I	26'-7 1/4"	2 - I	13'-0 1/2"	3 - I	11'-3 3/4"	4 - I	25'-9 1/2"
1 - J	13'-0 1/2"	2 - J	26'-7 1/4"	3 - J	25'-9 1/2"	4 - J	11'-3 3/4"
1 - K	30'-11"	2 - K	30'-11"	3 - K	18'-1 1/2"	4 - K	18'-1 1/2"
1 - L	29"	2 - L	28'-11 3/4"	3 - L	17'-2 3/4"	4 - L	17'-2 3/4"
1 - M	28'-5 1/4"	2 - M	32'-3 1/4"	3 - M	21'-1"	4 - M	14'-6 3/4"
1 - W	20'-6"	2 - W	29'-3 1/4"	3 - W	22'-11 1/2"	4 - W	9'-6 3/4"
1 - X	27'-10 3/4"	2 - X	20'-10 1/4"	3 - X	10'-11 3/4"	4 - X	21'-6 3/4"
1 - Y	30'-5 1/2"	2 - Y	5'-2"	3 - Y	13'-11 1/4"	4 - Y	33'-1 1/4"
1 - Z	5'-1"	2 - Z	29'-2 1/4"	3 - Z	32'-5 1/2"	4 - Z	15'-1"

G - A	13'-9 1/4"	H - A	24'-5 1/4"
G - B	11'-3 3/4"	H - B	23'-1 3/4"
G - C	10'-7"	H - C	22'-9 1/2"
G - D	12'-7 3/4"	H - D	23'-9 3/4"
G - E	24"	H - E	14'-3"
G - F	23'-3 1/4"	H - F	12'-11 3/4"
G - H	32'-6 1/4"	H - G	32'-6 1/4"
G - M	19'-9 1/4"	H - M	24'-11 1/2"



KIDNEY LEFT
20' x 38'

POOL SURFACE AREA	→ 643.5 ft ²	LINER SQ. FT.	→ 759.1667 ft ²
POOL VOLUME	→ 21400 gal	POOL PERIMETER	→ 99'-2"
	81000 L		30.22 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

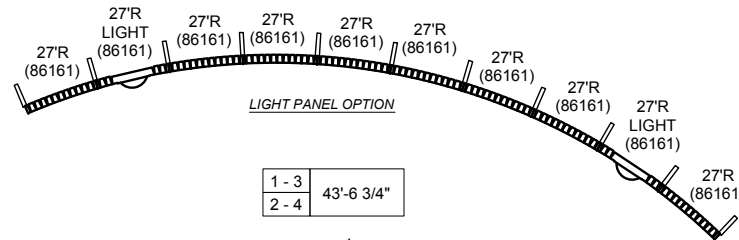
ITEM DESCRIPTION	PART #
8' RADIUS STEP	
4	8' RADIUS PANEL 42111
9	10' RADIUS PANEL 42112
1	VERSA-FLEX SKIMMER PANEL 42116S
15	VERSA-FLEX PANEL 42115
10	27' RADIUS STRAP SET 86161S
3	10' REVERSE RADIUS STRAP SET 86166S
1	8'R to 27'R STRAP SET 86215S
1	27'R to 10'R STRAP SET 86217S
1	10'R to 10'RR STRAP SET 86219S
416	PUSH NUTS 09115
30	BRACE SYSTEM COMPLETE 42146
1	8' RADIUS STEP & REST 07418RSNR
12"	3/8"-16X HEX WASHER HEAD BOLT 148838
12"	3/8"-16 HEX WASHER HEAD NUT 149664
	CHANNEL-LOC SONOTUBE 86151
	VERSA-FLEX STANDARD LIGHT PANEL 42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

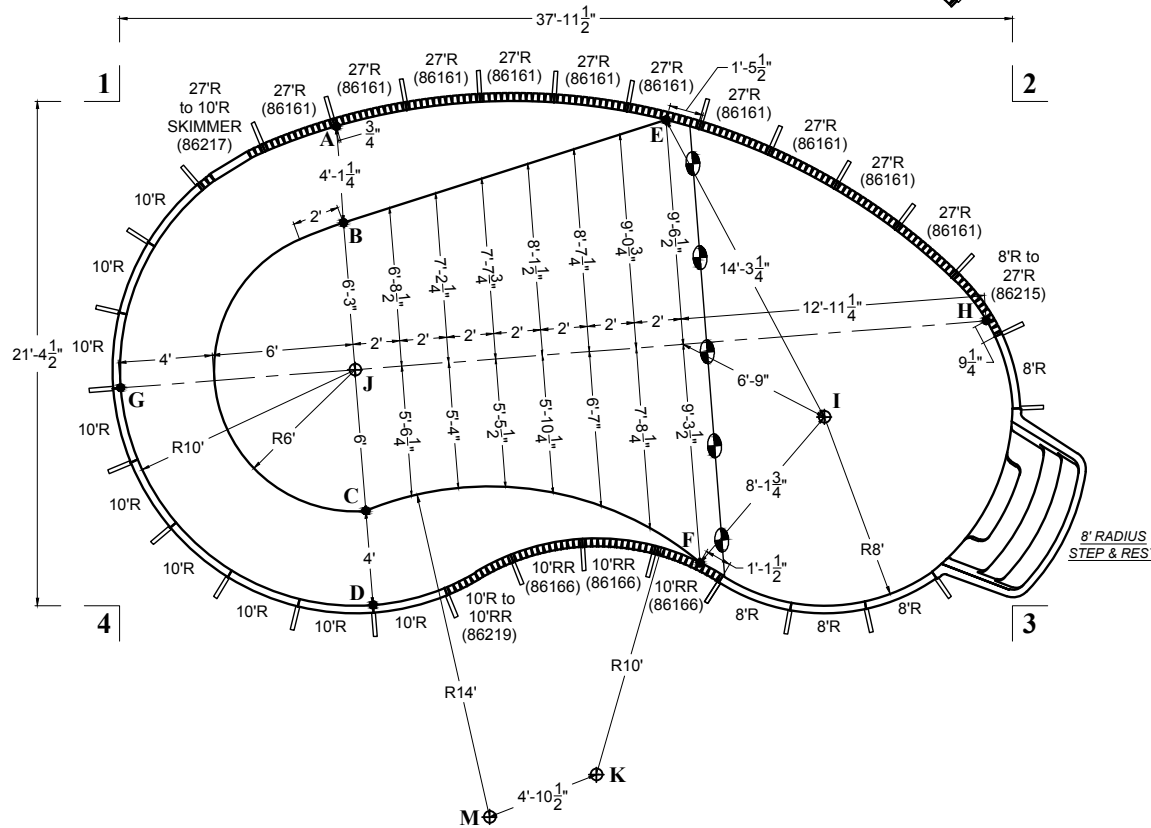


1 - 3	43'-6 3/4"
2 - 4	

1 - A	9'-3 1/4"
1 - B	10'-10"
1 - C	20'-3 1/4"
1 - D	23'-11"
1 - E	23'-2 3/4"
1 - F	31'-6"
1 - G	12'-1 3/4"
1 - H	38"
1 - I	32'-9 3/4"
1 - J	15'-1 3/4"
1 - K	35"
1 - L	31'-9"
1 - M	34'-2"

G - A	14'-4 3/4"
G - B	11'-9 1/2"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	25'-10"
G - F	25'-8 3/4"
G - H	36'-11 1/4"
H - I	29'-11 1/2"
H - J	10'
H - K	26'-0 1/2"
H - L	22'-4"
G - M	24'-0 1/4"

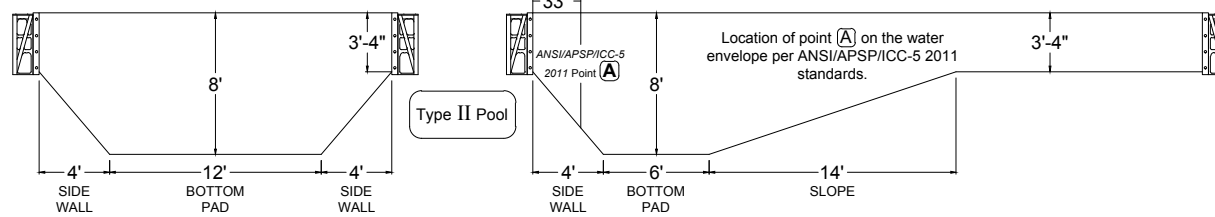
4 - A	22'-3 3/4"
4 - B	18'-9 3/4"
4 - C	11'-2 1/2"
4 - D	10'-9 1/4"
4 - E	31'-0 1/2"
4 - F	24'-9"
4 - G	9'-2 3/4"
4 - H	38'-9 1/4"
4 - I	31'-0 1/4"
4 - J	14'-1 3/4"
4 - K	21'-6"
4 - L	17'-7 1/2"
4 - M	18'-1 1/4"



2 - A	28'-9 1/4"
2 - B	28'-10 3/4"
2 - C	32'-6 1/4"
2 - D	34'-7"
2 - E	14'-9"
2 - F	23'-7 3/4"
2 - G	39'-10"
2 - H	9'-4 1/2"
2 - I	15'-7"
2 - J	30'-2 1/4"
2 - K	33'-7"
2 - L	34'-4 1/4"
2 - M	37'-7 1/4"

H - A	28'-10 1/4"
H - B	27'-7 3/4"
H - C	27'-7"
H - D	28'-8 3/4"
H - E	16'-0 3/4"
H - F	15'-11"
H - G	36'-11 1/4"
H - I	8'
H - J	26'-11 1/4"
H - K	25'-4 3/4"
H - L	26'-9 3/4"
H - M	29'-9 3/4"

3 - A	35'-2 1/2"
3 - B	32'-9"
3 - C	27'-9 1/2"
3 - D	27'-2 1/4"
3 - E	25'-3 3/4"
3 - F	13'-5"
3 - G	39'-0 1/2"
3 - H	12'-1 1/2"
3 - I	11'-3 3/4"
3 - J	29'-8 1/4"
3 - K	19'-1"
3 - L	21'-11 3/4"
3 - M	23'-11 3/4"



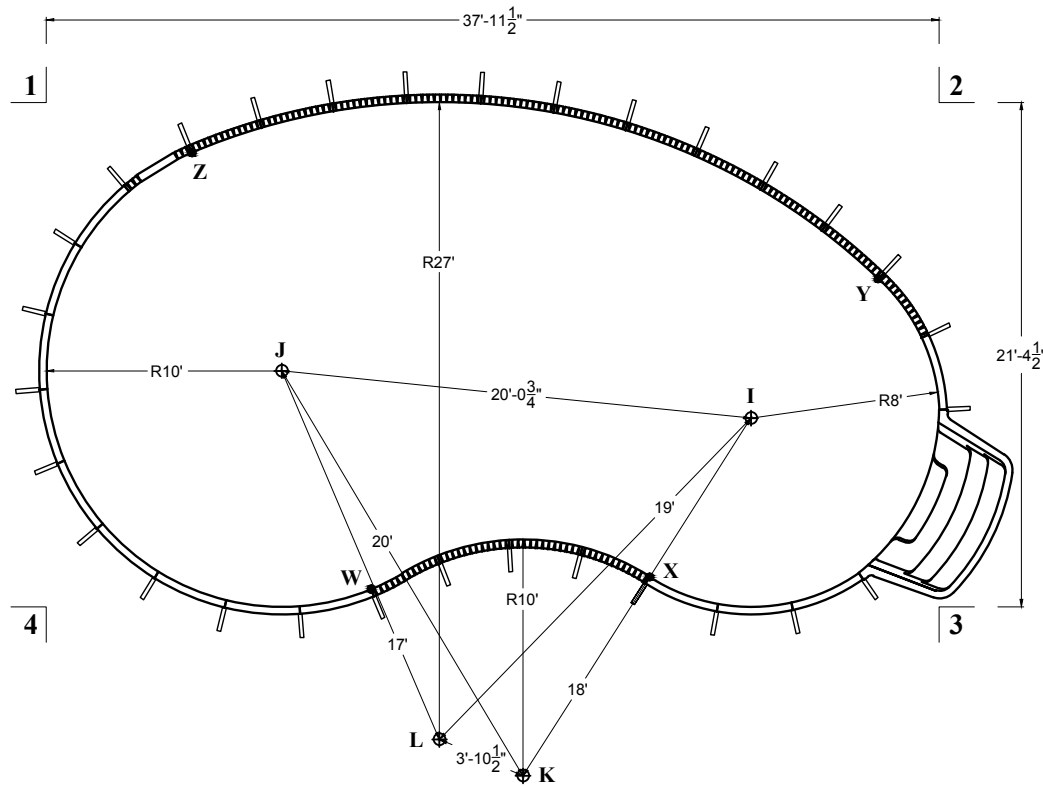
Type II Pool

Location of point (A) on the water envelope per ANSI/APSP/ICC-5 2011 standards.

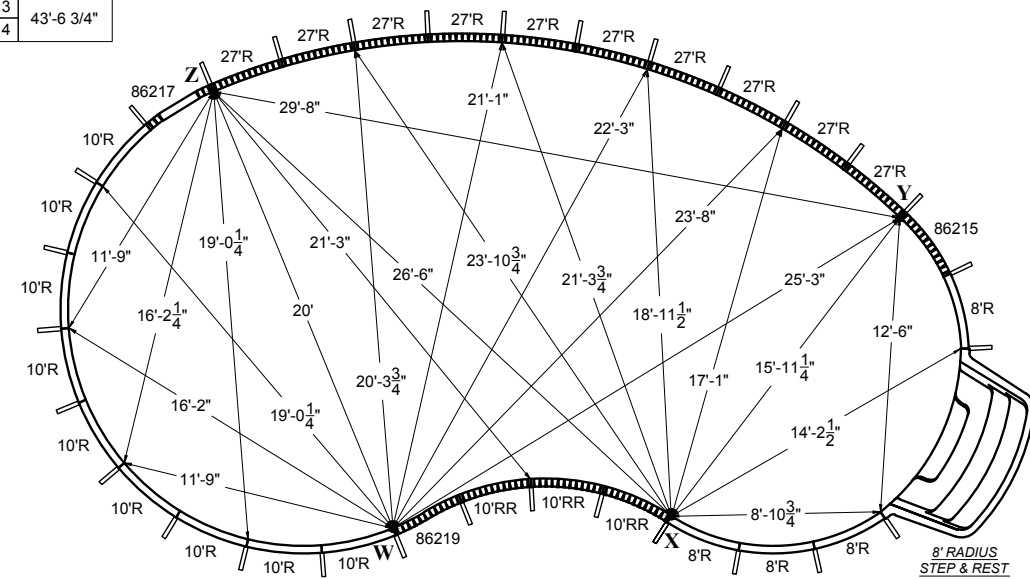
KIDNEY LEFT
20' x 38'

POOL SURFACE AREA	643.5 ft ² 59.8 m ²	LINER SQ. FT.	759.1667 ft ²
POOL VOLUME	21400 gal 81000 L	POOL PERIMETER	99'-2" 30.22 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	43'-6 3/4"
2 - 4	



1 - I	32'-9 3/4"	2 - I	15'-7"	3 - I	11'-3 3/4"	4 - I	31'-0 1/4"
1 - J	15'-1 3/4"	2 - J	30'-2 1/4"	3 - J	29'-8 1/4"	4 - J	14'-1 3/4"
1 - K	35'	2 - K	33'-7"	3 - K	19'-1"	4 - K	21'-6"
1 - L	31'-9"	2 - L	34'-4 1/4"	3 - L	21'-11 3/4"	4 - L	17'-7 1/2"
1 - W	24'-9 3/4"	2 - W	31'-9 1/4"	3 - W	24'-2"	4 - W	13'-10"
1 - X	32'-7 1/4"	2 - X	23'-7"	3 - X	12'-4 1/2"	4 - X	25'-8 1/4"
1 - Y	36'-1 3/4"	2 - Y	7'-11"	3 - Y	14'-1 3/4"	4 - Y	38"
1 - Z	6'-6 1/2"	2 - Z	31'-10 1/4"	3 - Z	37'-1 3/4"	4 - Z	20'-2 1/2"

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions are to be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

KIDNEY LEFT
20' x 38'

POOL SURFACE AREA	→ 656.1 ft ²	LINER SQ. FT.	→ 770.8333 ft ²
POOL VOLUME	→ 22000 gal	POOL PERIMETER	→ 100'-6"
	83250 L		30.33 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
7	8" RADIUS PANEL	42111
10	10" RADIUS PANEL	42112
1	VERSA-FLEX SKIMMER PANEL	42116S
14	VERSA-FLEX PANEL	42115
9	27" RADIUS STRAP SET	86161S
	10" RADIUS STRAP SET	86273S
3	10' REVERSE RADIUS STRAP SET	86166S
1	8'R to 27'R STRAP SET	88934S
1	27'R to 10'R STRAP SET	88935S
1	10'RR to 8'R STRAP SET	88936S
390	PUSH NUTS	09115
32	BRACE SYSTEM COMPLETE	42146
1	8" RADIUS NEXUS STAIR	NSS003
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-2 3/4"
1 - B	10'-10 1/2"
1 - C	20'-5 1/4"
1 - D	24'-1"
1 - E	23'-2"
1 - F	31'-5"
1 - G	12'-4 1/4"
1 - H	38'-6"
1 - I	33'-5"
1 - J	15'-3 1/2"
1 - K	35'-2"
1 - L	31'-11 1/2"
1 - M	34'-4 1/4"

G - A	14'-5"
G - B	11'-9 3/4"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	25'-11"
G - F	25'-7 3/4"
G - H	37'-5 1/4"
G - I	30'-6 1/4"
G - J	10'
G - K	26'-1 3/4"
G - L	22'-6"
G - M	24'-1"

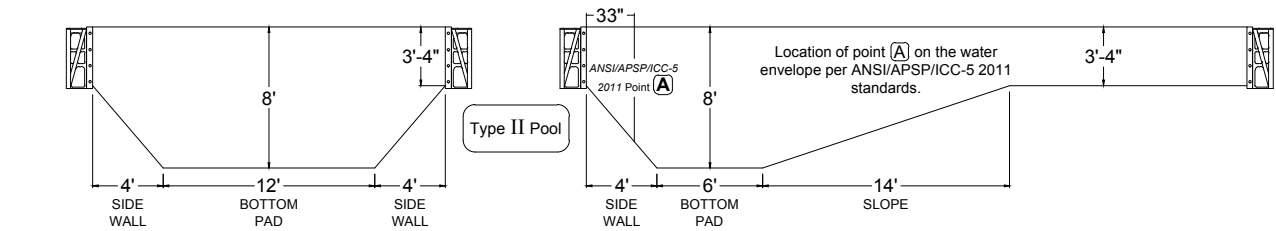
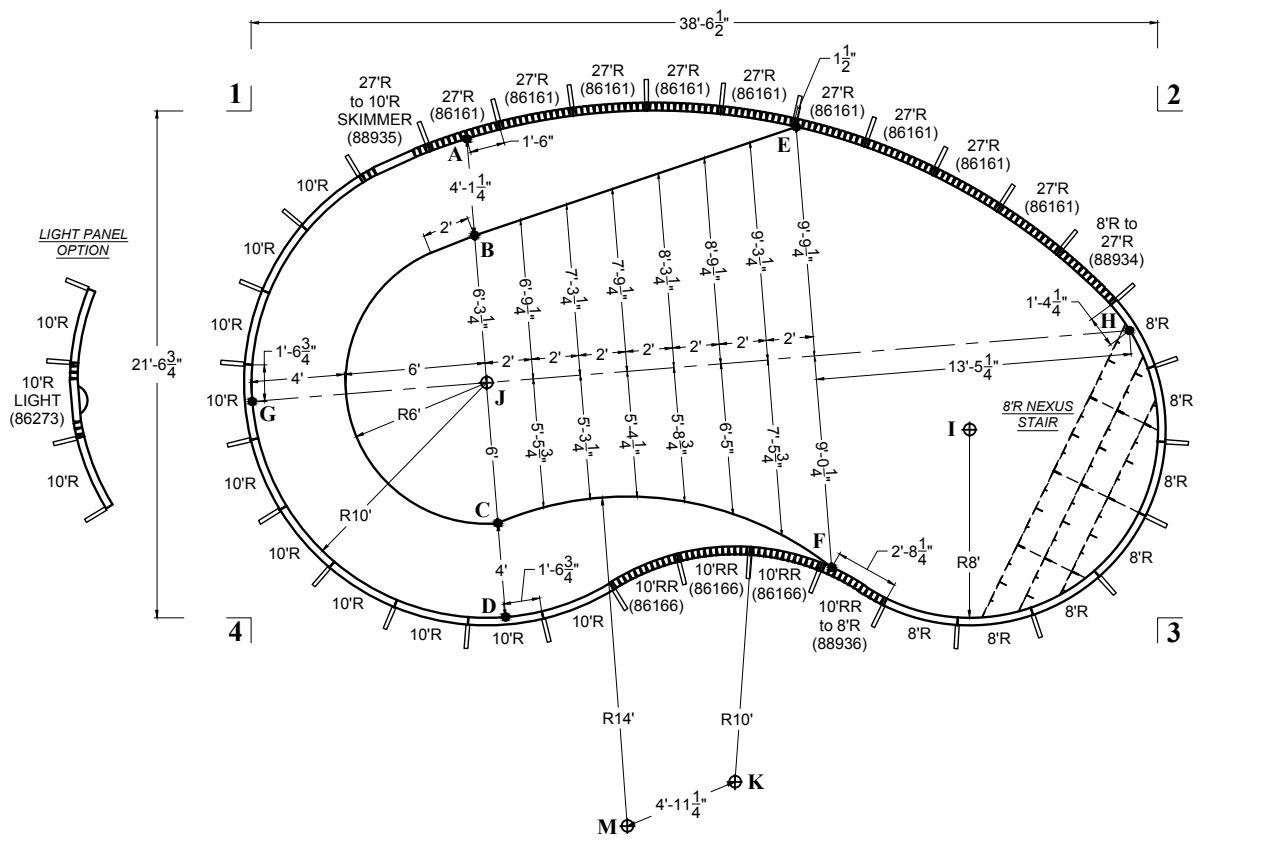
4 - A	22'-4"
4 - B	18'-10"
4 - C	11'-2 3/4"
4 - D	10'-9 3/4"
4 - E	31'-2 1/4"
4 - F	24'-9 1/4"
4 - G	9'-2 1/4"
4 - H	39'-3 1/2"
4 - I	31'-6 3/4"
4 - J	14'-1 3/4"
4 - K	21'-8 1/2"
4 - L	17'-11 1/2"
4 - M	18'-3 1/4"

1 - 3	44'-2"
2 - 4	

2 - A	29'-4 3/4"
2 - B	29'-6 1/4"
2 - C	33'-1"
2 - D	35'-1 1/4"
2 - E	15'-4 3/4"
2 - F	23'-10 1/4"
2 - G	40'-5 1/4"
2 - H	9'-5"
2 - I	15'-9"
2 - J	30'-9 1/2"
2 - K	33'-8 3/4"
2 - L	34'-5 3/4"
2 - M	37'-10 1/4"

H - A	29'-4"
H - B	28'-1 3/4"
H - C	28'-1"
H - D	29'-2 1/4"
H - E	16'-7 1/4"
H - F	16'-2 1/4"
H - G	37'-5 1/4"
H - I	8'
H - J	27'-5 1/4"
H - K	25'-6"
H - L	26'-10 1/4"
H - M	29'-11 3/4"

3 - A	35'-9"
3 - B	33'-3 1/2"
3 - C	28'-4"
3 - D	27'-8 3/4"
3 - E	25'-11"
3 - F	14'-0 1/4"
3 - G	39'-7"
3 - H	12'-3 1/4"
3 - I	11'-3 3/4"
3 - J	30'-2 3/4"
3 - K	19'-3 1/2"
3 - L	22'-1 1/2"
3 - M	24'-2 1/2"



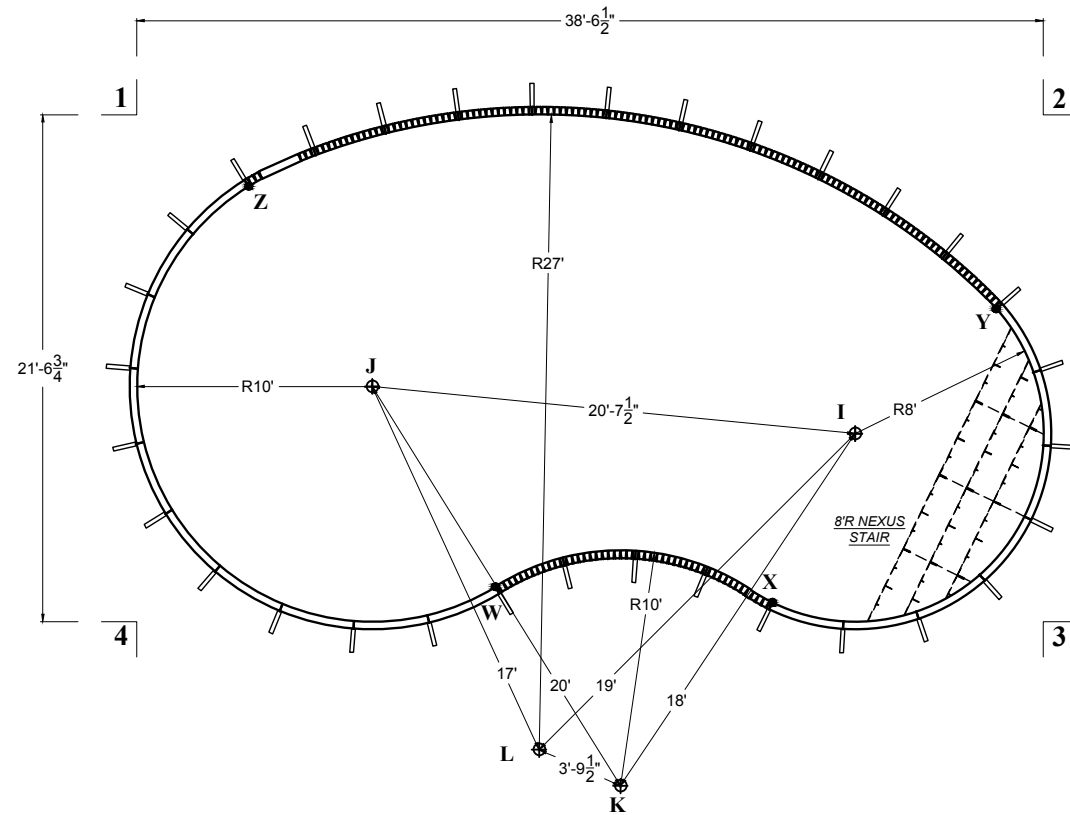
JANUARY
2013

MATRIX
POOL SYSTEM

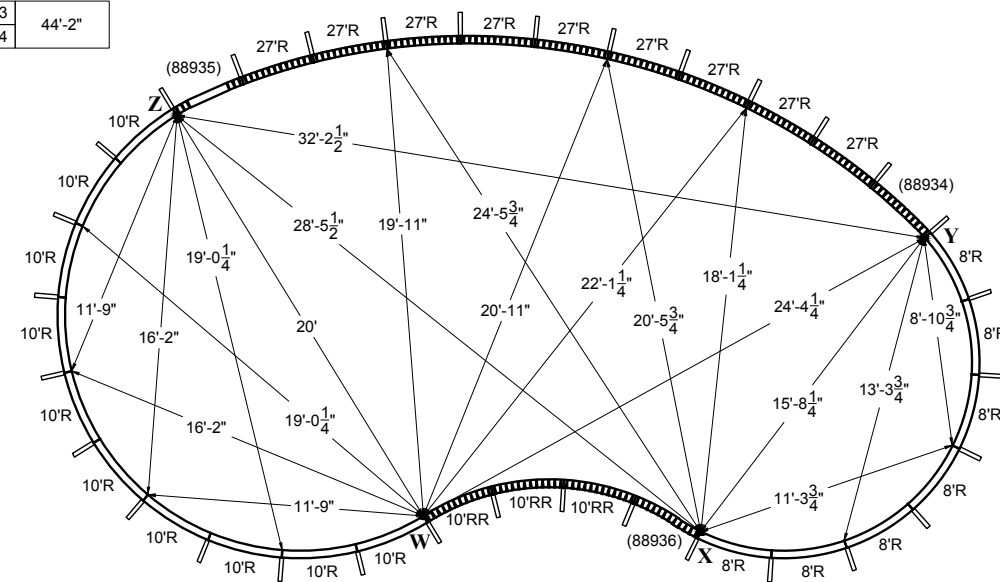
KIDNEY LEFT
20' x 38'

POOL SURFACE AREA →	656.1 ft ² 61.0 m ²	LINER SQ. FT. →	770.8333 ft ²
POOL VOLUME →	22000 gal 83250 L	POOL PERIMETER →	100'-6" 30.33 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	44'-2"
2 - 4	



1 - I	33'-5"	2 - I	15'-9"	3 - I	11'-3 3/4"	4 - I	31'-6 3/4"
1 - J	15'-3 1/2"	2 - J	30'-9 1/2"	3 - J	30'-2 3/4"	4 - J	14'-1 3/4"
1 - K	35'-2"	2 - K	33'-8 3/4"	3 - K	19'-3 1/2"	4 - K	21'-8 1/2"
1 - L	31'-11 1/2"	2 - L	34'-5 3/4"	3 - L	22'-1 1/2"	4 - L	17'-11 1/2"
1 - W	25'-0 1/4"	2 - W	30'-9"	3 - W	23'-4 1/4"	4 - W	15'-3 3/4"
1 - X	35'-9 1/4"	2 - X	23'-8 3/4"	3 - X	11'-6 1/2"	4 - X	27'-0 1/2"
1 - Y	35'-11 1/4"	2 - Y	8'-6"	3 - Y	13'-5 1/4"	4 - Y	38'-10 1/2"
1 - Z	6'-5"	2 - Z	33'-11"	3 - Z	38'-6 1/4"	4 - Z	19'-1 1/4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

KIDNEY RIGHT
20' x 38'

POOL SURFACE AREA	→ 643.5 ft ²	LINER SQ. FT.	→ 759.1667 ft ²
POOL VOLUME	→ 21400 gal	POOL PERIMETER	→ 99'-2"
	81000 L		30.22 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
8' RADIUS STEP		
4	8' RADIUS PANEL	42111
9	10' RADIUS PANEL	42112
1	VERSA-FLEX SKIMMER PANEL	42116S
15	VERSA-FLEX PANEL	42115
10	27' RADIUS STRAP SET	86161S
3	10' REVERSE RADIUS STRAP SET	86166S
1	27R to 8'R STRAP SET	86216S
1	10'R to 27'R STRAP SET	86218S
1	10'RR to 10'R STRAP SET	86220S
416	PUSH NUTS	09115
30	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12"	3/8"-16X HEX WASHER HEAD BOLT	148838
12"	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	28'-9 1/4"
2 - B	28'-10 3/4"
2 - C	32'-6 1/4"
2 - D	34'-7"
2 - E	14'-9"
2 - F	23'-7 3/4"
2 - G	39'-10"
2 - H	9'-4 1/2"
2 - I	15'-7"
2 - J	30'-2 1/4"
2 - K	33'-7"
2 - L	34'-4 1/4"
2 - M	37'-7 1/4"

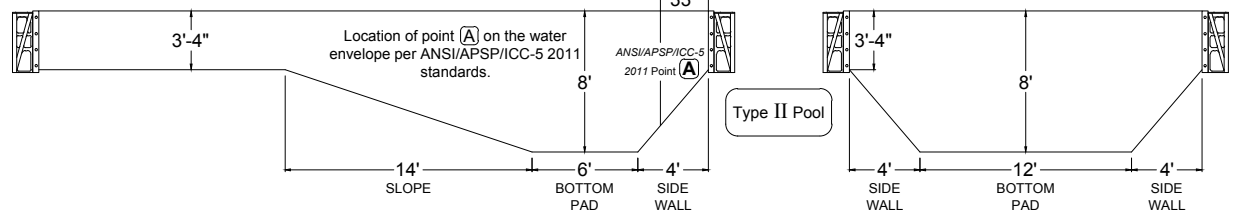
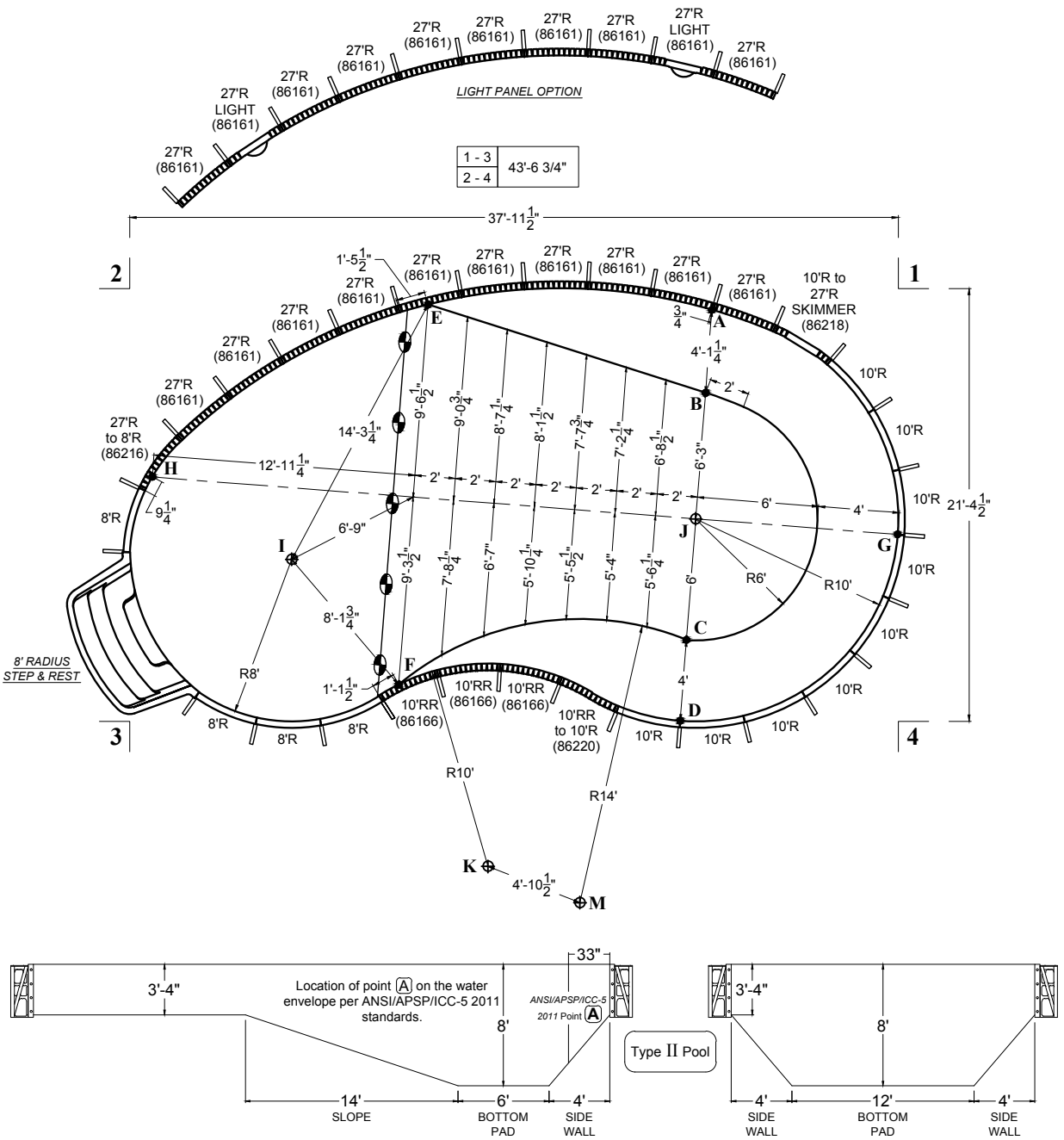
H - A	28'-10 1/4"
H - B	27'-7 3/4"
H - C	27'-7"
H - D	28'-8 3/4"
H - E	16'-0 3/4"
H - F	15'-11"
H - G	36'-11 1/4"
H - I	8'
H - J	26'-11 1/4"
H - K	25'-4 3/4"
H - L	26'-9 3/4"
H - M	29'-9 3/4"

3 - A	35'-2 1/2"
3 - B	32'-9"
3 - C	27'-9 1/2"
3 - D	27'-2 1/4"
3 - E	25'-3 3/4"
3 - F	13'-5"
3 - G	39'-0 1/2"
3 - H	12'-1 1/2"
3 - I	11'-3 3/4"
3 - J	29'-8 1/4"
3 - K	19'-1"
3 - L	21'-11 3/4"
3 - M	23'-11 3/4"

1 - A	9'-3 1/4"
1 - B	10'-10"
1 - C	20'-3 1/4"
1 - D	23'-11"
1 - E	23'-2 3/4"
1 - F	31'-6"
1 - G	12'-1 3/4"
1 - H	38'
1 - I	32'-9 3/4"
1 - J	15'-1 3/4"
1 - K	35'
1 - L	31'-9"
1 - M	34'-2"

G - A	14'-4 3/4"
G - B	11'-9 1/2"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	25'-10"
G - F	25'-8 3/4"
G - H	36'-11 1/4"
H - I	29'-11 1/2"
H - J	10'
H - K	26'-0 1/2"
H - L	22'-4"
G - M	24'-0 1/4"

4 - A	22'-3 3/4"
4 - B	18'-9 3/4"
4 - C	11'-2 1/2"
4 - D	10'-9 1/4"
4 - E	31'-0 1/2"
4 - F	24'-9"
4 - G	9'-2 3/4"
4 - H	38'-9 1/4"
4 - I	31'-0 1/4"
4 - J	14'-1 3/4"
4 - K	21'-6"
4 - L	17'-7 1/2"
4 - M	18'-1 1/4"



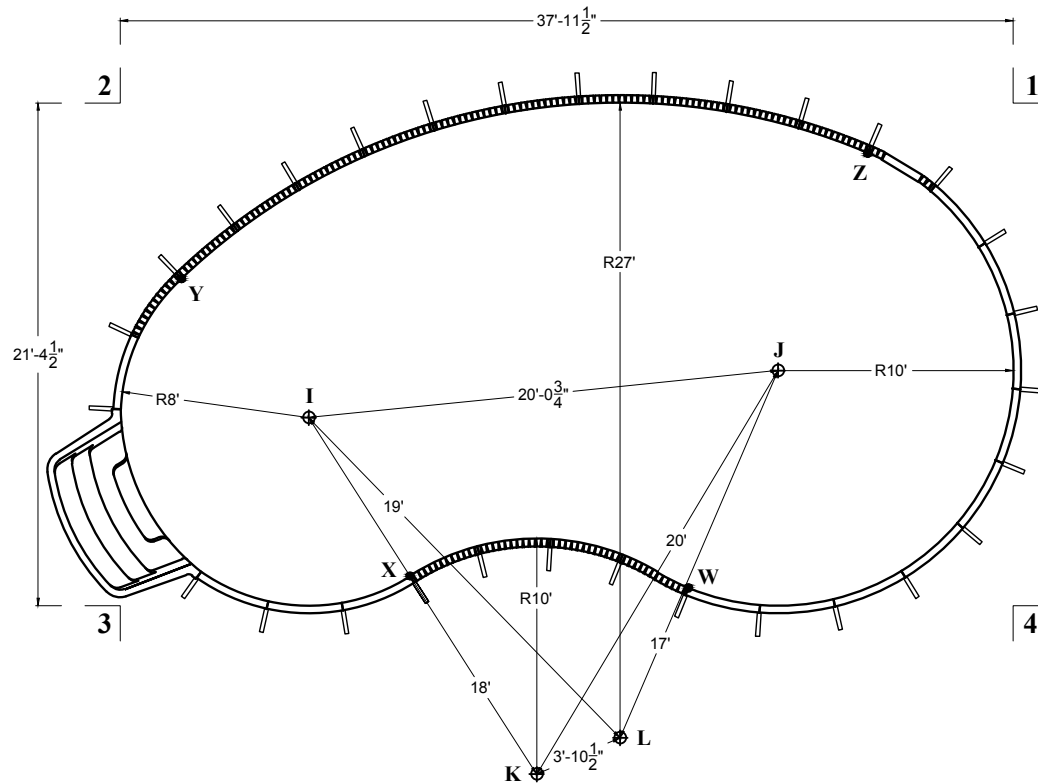
JANUARY
2013

MATRIX
POOL SYSTEM

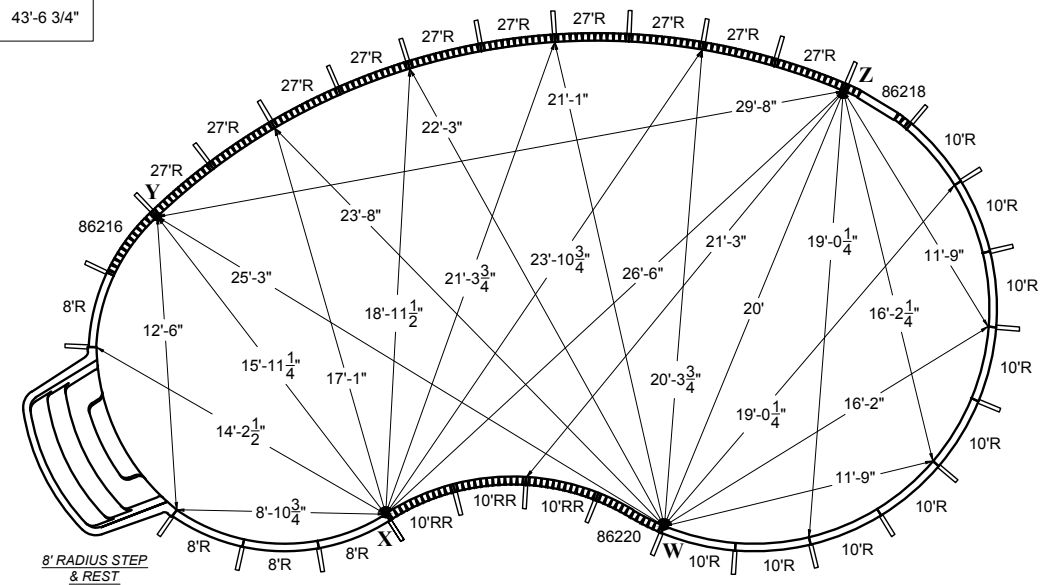
KIDNEY RIGHT
20' x 38'

POOL SURFACE AREA	→ 643.5 ft ² 59.8 m ²	LINER SQ. FT.	→ 759.1667 ft ²
POOL VOLUME	→ 21400 gal 81000 L	POOL PERIMETER	→ 99'-2" 30.22 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	43'-6 3/4"
2 - 4	



1 - I	32'-9 3/4"
1 - J	15'-1 3/4"
1 - K	35'
1 - L	31'-9"
1 - W	24'-9 3/4"
1 - X	32'-7 1/4"
1 - Y	36'-1 3/4"
1 - Z	6'-6 1/2"

2 - I	15'-7"
2 - J	30'-2 1/4"
2 - K	33'-7"
2 - L	34'-4 1/4"
2 - W	31'-9 1/4"
2 - X	23'-7"
2 - Y	7'-11"
2 - Z	31'-10 1/4"

3 - I	11'-3 3/4"
3 - J	29'-8 1/4"
3 - K	19'-1"
3 - L	21'-11 3/4"
3 - W	24'-2"
3 - X	12'-4 1/2"
3 - Y	14'-1 3/4"
3 - Z	37'-1 3/4"

4 - I	31'-0 1/4"
4 - J	14'-1 3/4"
4 - K	21'-6"
4 - L	17'-7 1/2"
4 - W	13'-10"
4 - X	25'-8 1/4"
4 - Y	38'
4 - Z	20'-2 1/2"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

KIDNEY RIGHT
20' x 38'

POOL SURFACE AREA	→ 656.1 ft ²	LINER SQ. FT.	→ 770.8333 ft ²
POOL VOLUME	→ 22000 gal	POOL PERIMETER	→ 100'-6"
	83250 L		30.33 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
27' RADIUS STRAP SET	86161S
10' RADIUS STRAP SET	86273S
10' REVERSE RADIUS STRAP SET	86166S
27'R to 8'R STRAP SET	88931S
10'R to 27'R STRAP SET	88932S
8'R to 10'R STRAP SET	88933S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

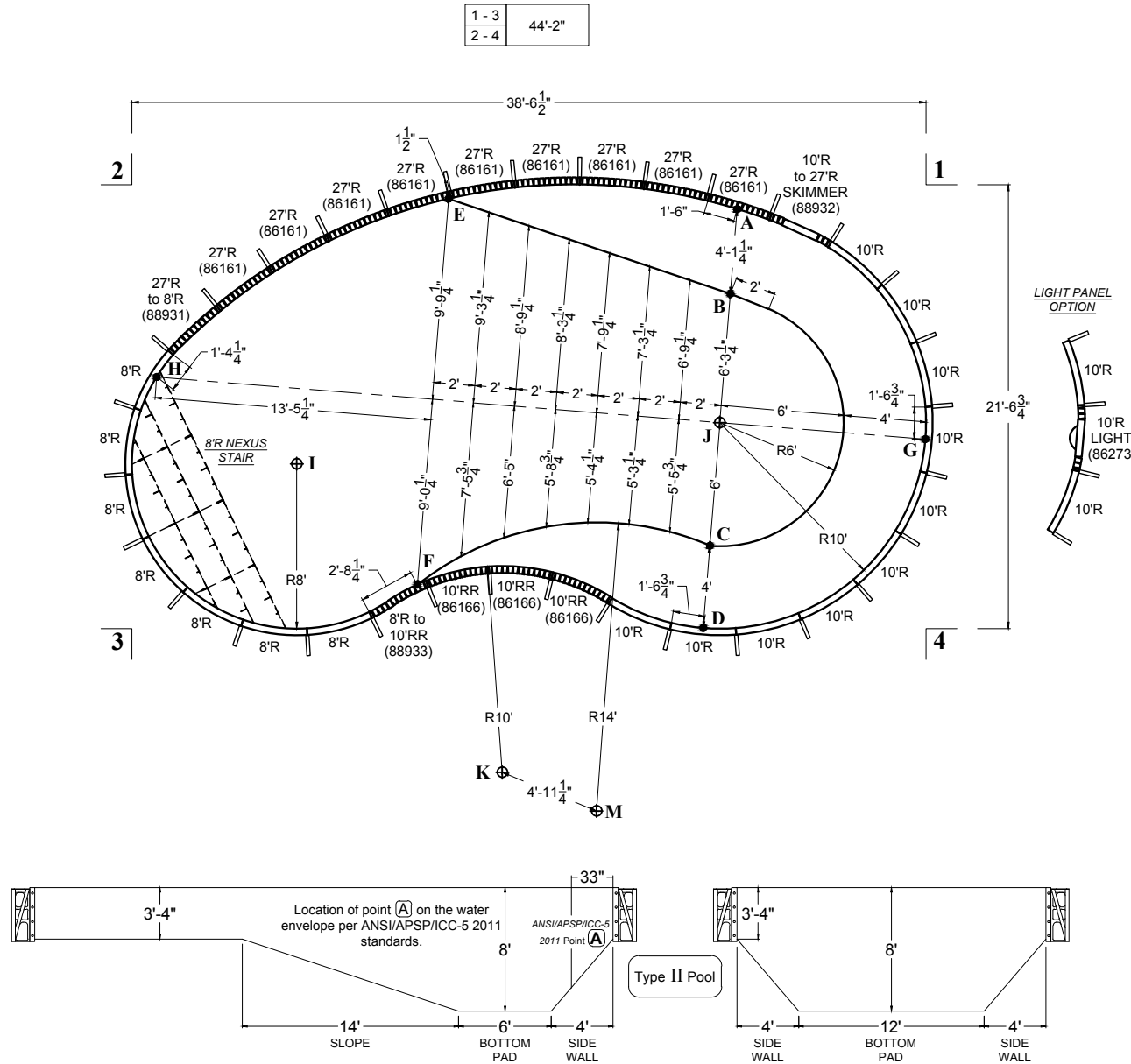
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	29'-4 3/4"
2 - B	29'-6 1/4"
2 - C	33'-1"
2 - D	35'-1 1/4"
2 - E	15'-4 3/4"
2 - F	23'-10 1/4"
2 - G	40'-5 1/4"
2 - H	9'-5"
2 - I	15'-9"
2 - J	30'-9 1/2"
2 - K	33'-8 3/4"
2 - L	34'-5 3/4"
2 - M	37'-10 1/4"

H - A	29'-4"
H - B	28'-1 3/4"
H - C	28'-1"
H - D	29'-2 1/4"
H - E	16'-7 1/4"
H - F	16'-2 1/4"
H - G	37'-5 1/4"
H - I	8'
H - J	27'-5 1/4"
H - K	25'-6"
H - L	26'-10 1/4"
H - M	29'-11 3/4"

3 - A	35'-9"
3 - B	33'-3 1/2"
3 - C	28'-4"
3 - D	27'-8 3/4"
3 - E	25'-11"
3 - F	14'-0 1/4"
3 - G	39'-7"
3 - H	12'-3 1/4"
3 - I	11'-3 3/4"
3 - J	30'-2 3/4"
3 - K	19'-3 1/2"
3 - L	22'-1 1/2"
3 - M	24'-2 1/2"



1 - A	9'-2 3/4"
1 - B	10'-10 1/2"
1 - C	20'-5 1/4"
1 - D	24'-1"
1 - E	23'-2"
1 - F	31'-5"
1 - G	12'-4 1/4"
1 - H	38'-6"
1 - I	33'-5"
1 - J	15'-3 1/2"
1 - K	35'-2"
1 - L	31'-11 1/2"
1 - M	34'-4 1/4"

G - A	14'-5"
G - B	11'-9 3/4"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	25'-11"
G - F	25'-7 3/4"
G - H	37'-5 1/4"
G - I	30'-6 1/4"
G - J	10'
G - K	26'-1 3/4"
G - L	22'-6"
G - M	24'-1"

4 - A	22'-4"
4 - B	18'-10"
4 - C	11'-2 3/4"
4 - D	10'-9 3/4"
4 - E	31'-2 1/4"
4 - F	24'-9 1/4"
4 - G	9'-2 1/4"
4 - H	39'-3 1/2"
4 - I	31'-6 3/4"
4 - J	14'-1 3/4"
4 - K	21'-8 1/2"
4 - L	17'-11 1/2"
4 - M	18'-3 1/4"

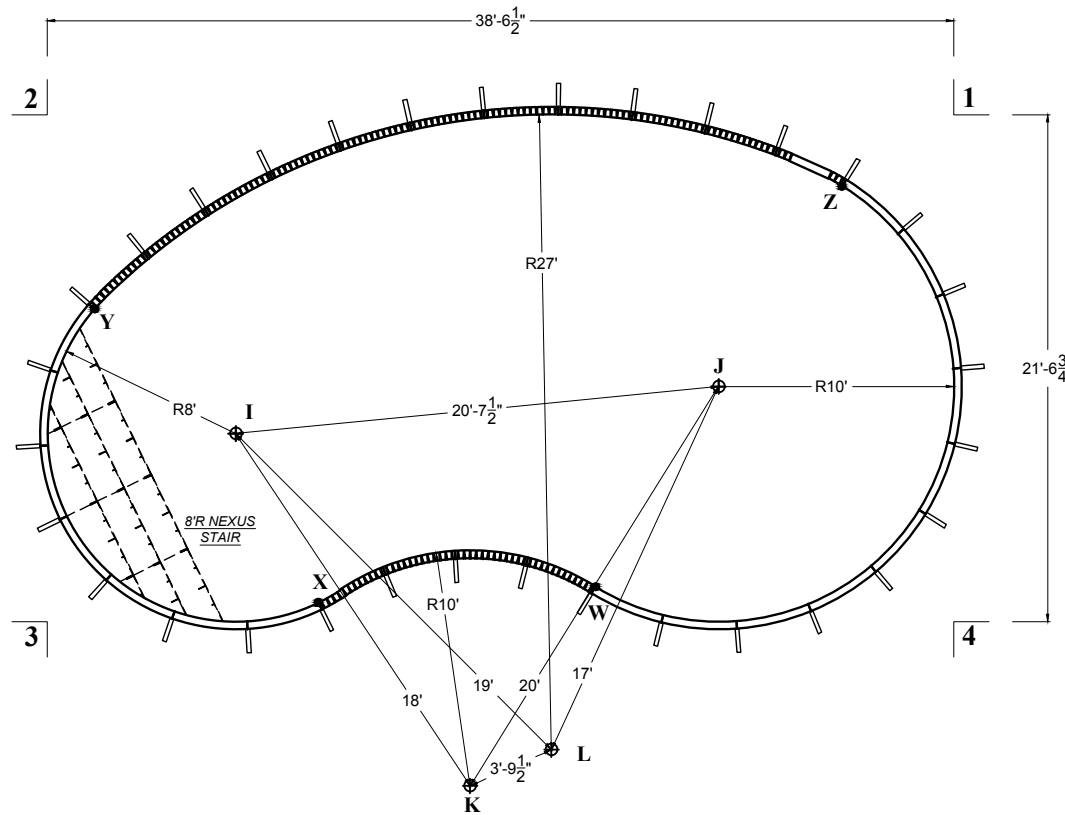
JANUARY
2013

MATRIX
POOL SYSTEM

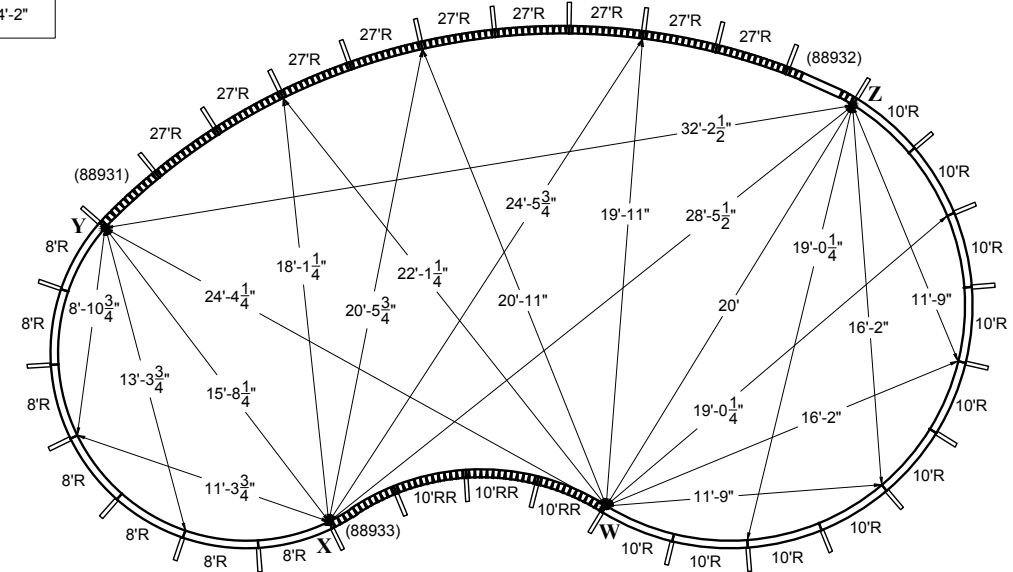
KIDNEY RIGHT
20' x 38'

POOL SURFACE AREA →	656.1 ft ² 61.0 m ²	LINER SQ. FT. →	770.8333 ft ²
POOL VOLUME →	22000 gal 83250 L	POOL PERIMETER →	100'-6" 30.33 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	44'-2"
2 - 4	



3

4

1 - I	33'-5"	2 - I	15'-9"	3 - I	11'-3 3/4"	4 - I	31'-6 3/4"
1 - J	15'-3 1/2"	2 - J	30'-9 1/2"	3 - J	30'-2 3/4"	4 - J	14'-1 3/4"
1 - K	35'-2"	2 - K	33'-8 3/4"	3 - K	19'-3 1/2"	4 - K	21'-8 1/2"
1 - L	31'-11 1/2"	2 - L	34'-5 3/4"	3 - L	22'-1 1/2"	4 - L	17'-11 1/2"
1 - W	25'-0 1/4"	2 - W	30'-9"	3 - W	23'-4 1/4"	4 - W	15'-3 3/4"
1 - X	35'-9 1/4"	2 - X	23'-8 3/4"	3 - X	11'-6 1/2"	4 - X	27'-0 1/2"
1 - Y	35'-11 1/4"	2 - Y	8'-6"	3 - Y	13'-5 1/4"	4 - Y	38'-10 1/2"
1 - Z	6'-5"	2 - Z	33'-11"	3 - Z	38'-6 1/4"	4 - Z	19'-1 1/4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

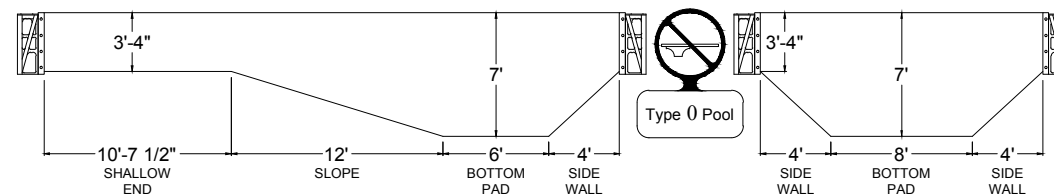
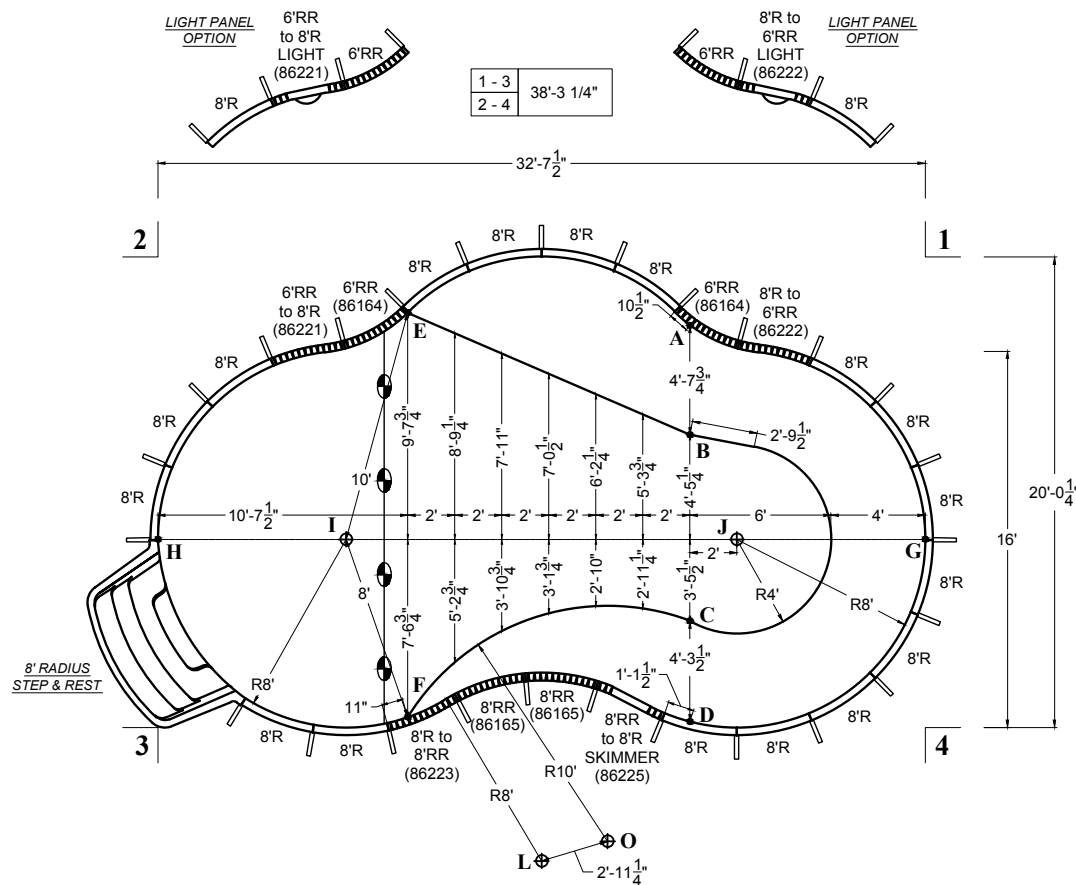
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

MOUNTAIN LAKE STANDARD VIEW
20' x 33'

2 - A	22'-9 3/4"
2 - B	23'-10 1/4"
2 - C	27'-5"
2 - D	30'-0 1/2"
2 - E	10'-10 3/4"
2 - F	22'-3 1/4"
2 - G	34'-9 1/4"
2 - H	12'-0 1/4"
2 - I	14'-5 1/4"
2 - J	27'-4 3/4"
2 - K	18'-2"
2 - L	30'-5"
2 - M	6'-8 1/4"
2 - N	26'-3 1/2"
2 - O	31'-4 1/4"

H - A	24'-4 3/4"
H - B	23'-0 3/4"
H - C	22'-10 3/4"
H - D	23'-11"
H - E	14'-4 1/4"
H - F	13'-0 1/2"
H - G	32'-7 1/2"
H - I	8'
H - J	24'-7 1/2"
H - K	16'-9 1/2"
H - L	21'-3 1/2"
H - M	15'-3 3/4"
H - N	29'-8"
H - O	23'-0 1/4"

3 - A	28'-4 1/4"
3 - B	25'-10"
3 - C	23'-1"
3 - D	22'-7 1/2"
3 - E	20'-7 1/4"
3 - F	10'-7 3/4"
3 - G	33'-7 1/4"
3 - H	8'
3 - I	11'-3 3/4"
3 - J	25'-10 3/4"
3 - K	20'-3"
3 - L	17'-3 1/4"
3 - M	22'-10"
3 - N	34'-2"
3 - O	19'-8 3/4"



1 - A	10'-5"
1 - B	12'-6 1/2"
1 - C	18'-5"
1 - D	22'-1 3/4"
1 - E	22'-1 1/2"
1 - F	29'-5 1/4"
1 - G	12'-0 1/4"
1 - H	34'-9 1/4"
1 - I	27'-4 3/4"
1 - J	14'-5 1/4"
1 - K	18'-2"
1 - L	30'-5"
1 - M	26'-3 1/2"
1 - N	6'-8 1/4"
1 - O	28'-3 1/4"

G - A	13'-6 1/4"
G - B	10'-11 1/4"
G - C	10'-7"
G - D	12'-7 3/4"
G - E	24'-0 1/4"
G - F	23'-3 1/4"
G - H	32'-7 1/2"
G - I	24'-7 1/2"
G - J	8'
G - K	16'-9 1/2"
G - L	21'-3 1/2"
G - M	29'-8"
G - N	15'-3 3/4"
G - O	18'-7 1/2"

4 - A	19'-9 3/4"
4 - B	15'-11 1/2"
4 - C	10'-11 3/4"
4 - D	10'
4 - E	28'-2 1/2"
4 - F	22'
4 - G	8'
4 - H	33'-7 1/4"
4 - I	25'-10 3/4"
4 - J	11'-3 3/4"
4 - K	20'-3"
4 - L	17'-3 1/4"
4 - M	34'-2"
4 - N	22'-10"
4 - O	14'-4"

POOL SURFACE AREA	488.9 ft ²	LINER SQ. FT.	522.00 ft ²
POOL VOLUME	14900 gal	POOL PERIMETER	86'-7"
	56400 L		26.39 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
6' REVERSE RADIUS PANEL STRAP	86164S
8' REVERSE RADIUS PANEL STRAP	86165S
8' RADIUS PANEL STRAP	86200S
6'RR to 8'R STRAP SET	86221S
8'R to 6'RR STRAP SET	86222S
8'R to 8'RR STRAP SET	86223S
8'RR to 8'R STRAP SET	86225S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

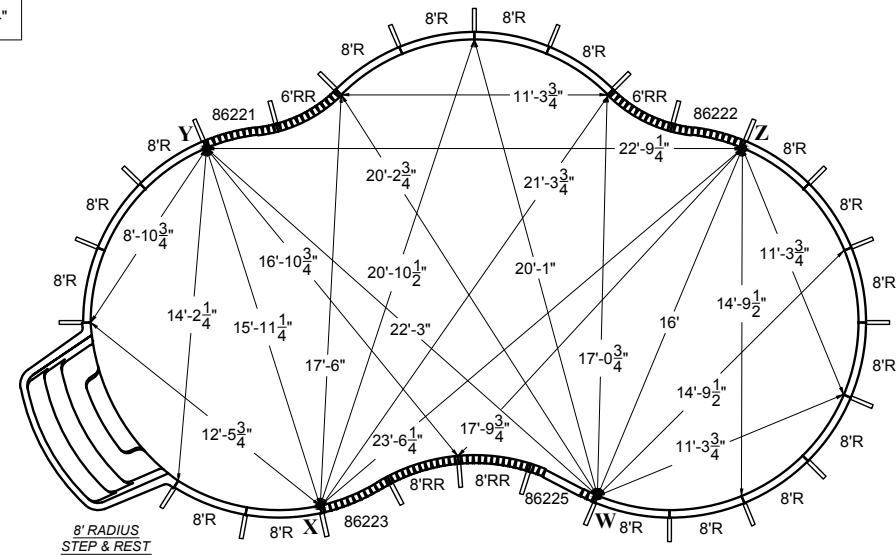
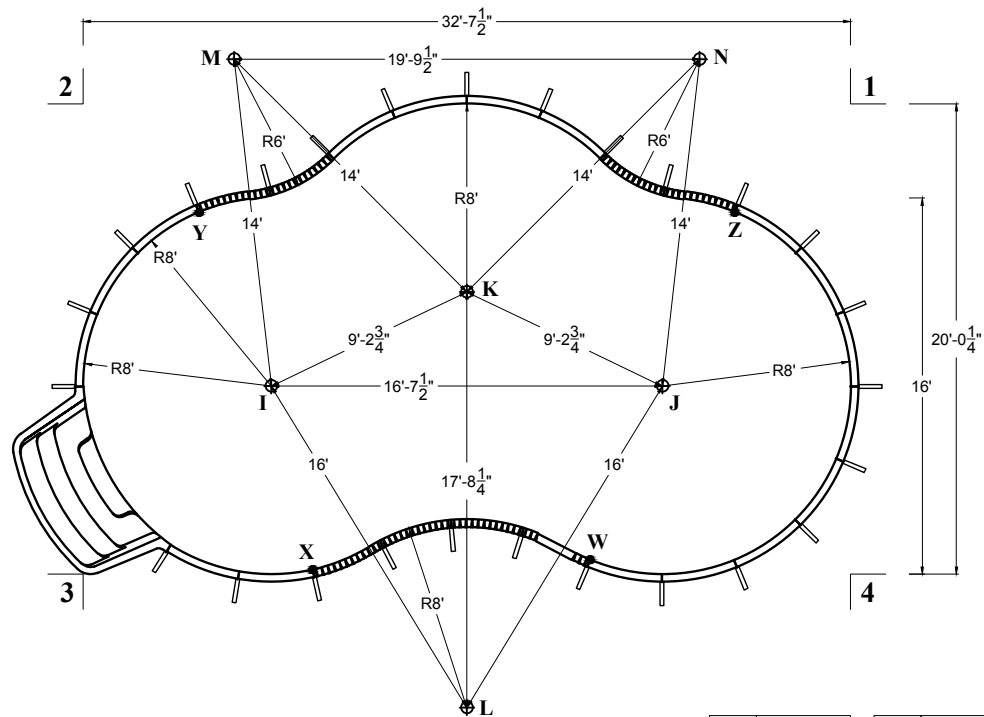
JANUARY
2013

MATRIX
POOL SYSTEM

MOUNTAIN LAKE STANDARD VIEW
20' x 33'

POOL SURFACE AREA	488.9 ft ² 45.4 m ²	LINER SQ. FT.	522.00 ft ²
POOL VOLUME	14900 gal 56400 L	POOL PERIMETER	86'-7" 26.39 m

NO DIVING ALLOWED IN THIS POOL



1 - I	27'-4 3/4"	2 - I	14'-5 1/4"	3 - I	11'-3 3/4"	4 - I	25'-10 3/4"
1 - J	14'-5 1/4"	2 - J	27'-4 3/4"	3 - J	25'-10 3/4"	4 - J	11'-3 3/4"
1 - K	18'-2"	2 - K	18'-2"	3 - K	20'-3"	4 - K	20'-3"
1 - L	30'-5"	2 - L	30'-5"	3 - L	17'-3 1/4"	4 - L	17'-3 1/4"
1 - M	26'-3 1/2"	2 - M	6'-8 1/4"	3 - M	22'-10"	4 - M	34'-2"
1 - N	6'-8 1/4"	2 - N	26'-3 1/2"	3 - N	34'-2"	4 - N	22'-10"
1 - W	22'-4"	2 - W	29"	3 - W	21'-6 3/4"	4 - W	11'-1"
1 - X	30'-3 1/4"	2 - X	22'-1"	3 - X	9'-9"	4 - X	22'-10 1/2"
1 - Y	28'-1"	2 - Y	6'-9"	3 - Y	16'-1 3/4"	4 - Y	31'-8 1/4"
1 - Z	6'-9"	2 - Z	28'-1"	3 - Z	31'-8 1/4"	4 - Z	16'-1 3/4"

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

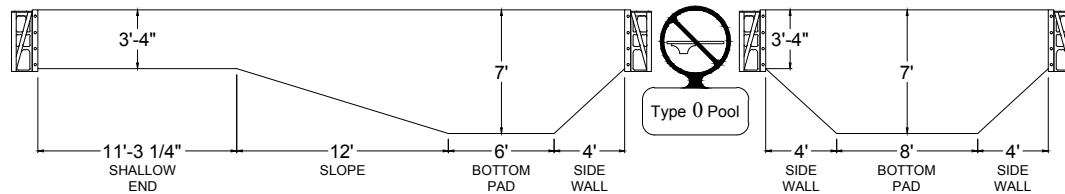
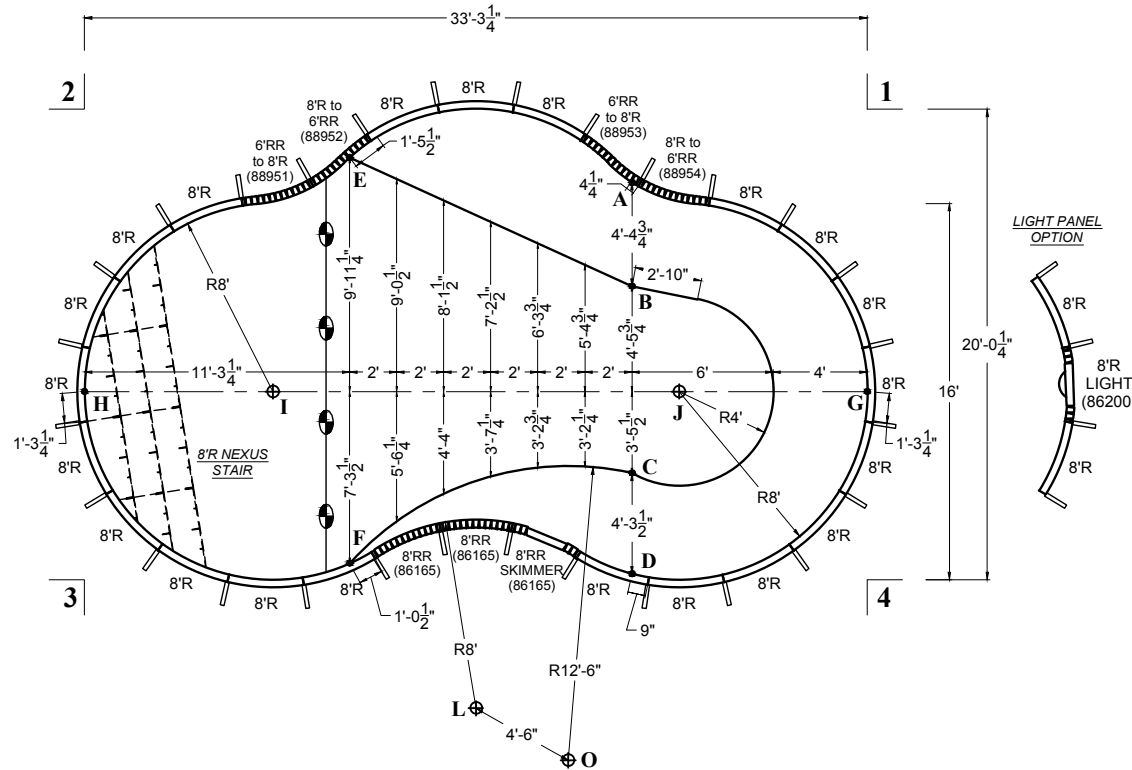
MOUNTAIN LAKE STANDARD VIEW
20' x 33'

2 - A	10'-5 3/4"
2 - B	12'-6 1/4"
2 - C	18'-5"
2 - D	22'-1 3/4"
2 - E	22'-1 1/4"
2 - F	29'-3 1/4"
2 - G	12'-0 1/4"
2 - H	35'-4 1/2"
2 - I	14'-5 1/4"
2 - J	27'-11 3/4"
2 - K	18'-5 1/2"
2 - L	30'-5 1/4"
2 - M	7'-0 1/2"
2 - N	26'-6 3/4"
2 - O	30'-5 1/2"

H - A	24'-11"
H - B	23'-8 1/2"
H - C	23'-6 1/2"
H - D	24'-6 1/4"
H - E	15'-0 1/2"
H - F	13'-5 1/4"
H - G	33'-3 1/4"
H - I	8'
H - J	25'-3 1/4"
H - K	17'-1 1/4"
H - L	21'-4 3/4"
H - M	15'-6"
H - N	29'-11 1/4"
H - O	25'-10 1/4"

3 - A	28'-9"
3 - B	26'-5"
3 - C	23'-8 1/2"
3 - D	23'-3 1/4"
3 - E	21'-2 1/4"
3 - F	11'-3 1/2"
3 - G	34'-2 3/4"
3 - H	8'
3 - I	11'-3 3/4"
3 - J	26'-6 1/4"
3 - K	20'-6 1/4"
3 - L	17'-6 1/4"
3 - M	22'-11 1/2"
3 - N	34'-5"
3 - O	21'-11 1/2"

1 - 3	38'-10"
2 - 4	



1 - A	23'-5 3/4"
1 - B	24'-5 1/2"
1 - C	27'-11 1/2"
1 - D	30'-6 1/4"
1 - E	11'-5 1/2"
1 - F	22'-4 1/4"
1 - G	35'-4 1/2"
1 - H	12'-0 1/4"
1 - I	27'-11 3/4"
1 - J	14'-5 1/4"
1 - K	18'-5 1/2"
1 - L	30'-5 1/4"
1 - M	26'-6 3/4"
1 - N	7'-0 1/2"
1 - O	34'-5 3/4"

G - A	13'-4 1/2"
G - B	10'-11 1/2"
G - C	10'-7"
G - D	12'-7 3/4"
G - E	24'-1 3/4"
G - F	23'-2 1/4"
G - H	33'-3 1/4"
H - I	25'-3 1/4"
H - J	8'
H - K	17'-1 1/4"
H - L	21'-4 3/4"
H - M	29'-11 1/4"
H - N	15'-6"
G - O	20'-2 1/4"

4 - A	19'-7 1/2"
4 - B	16'
4 - C	10'-11 3/4"
4 - D	10'
4 - E	28'-4 3/4"
4 - F	22'-0 1/4"
4 - G	8'
4 - H	34'-2 3/4"
4 - I	26'-6 1/4"
4 - J	11'-3 3/4"
4 - K	20'-6 1/4"
4 - L	17'-6 1/4"
4 - M	34'-5"
4 - N	22'-11 1/2"
4 - O	14'-10 1/4"

POOL SURFACE AREA	469.9 ft ²	LINER SQ. FT.	532.3333 ft ²
POOL VOLUME	15300 gal	POOL PERIMETER	87'-11"
	57950 L		26.80 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
6 VERSA-FLEX PANEL	42115
8' RADIUS PANEL STRAP	86200S
3 8' REVERSE RADIUS PANEL STRAP	86165S
1 6'RR to 8'R STRAP SET	88951S
1 8'R to 6'RR STRAP SET	88952S
1 6'RR to 8'R STRAP SET	88953S
1 8'R to 6'RR STRAP SET	88954S
182 PUSH NUTS	09115
28 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

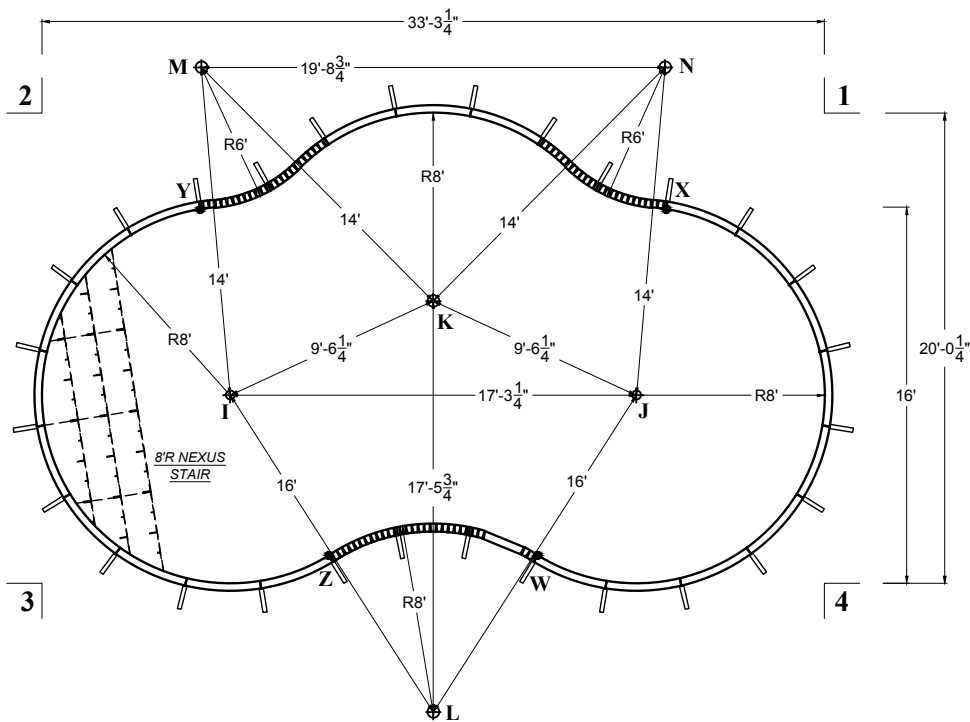
JANUARY
2013

MATRIX
POOL SYSTEM

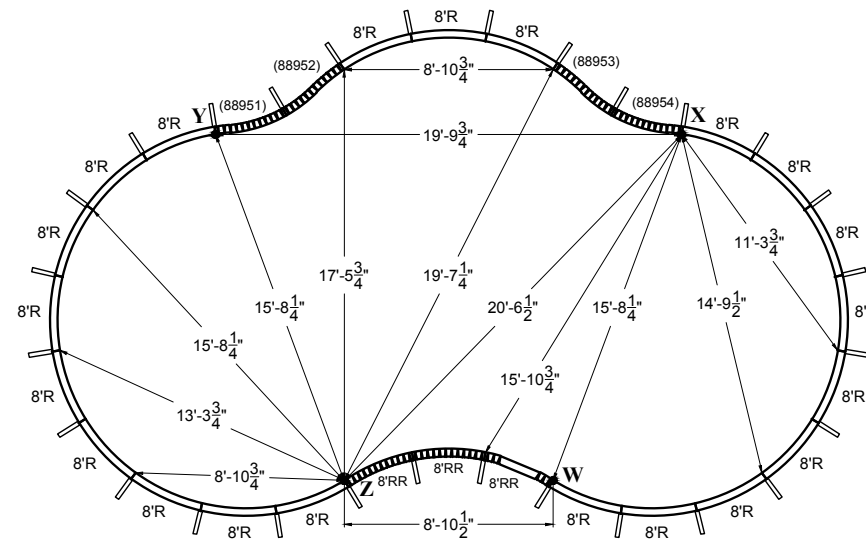
MOUNTAIN LAKE STANDARD VIEW
20' x 33'

POOL SURFACE AREA →	469.9 ft ² 46.2 m ²	LINER SQ. FT. →	532.3333 ft ²
POOL VOLUME →	15300 gal 57950 L	POOL PERIMETER →	87'-11"

NO DIVING ALLOWED IN THIS POOL



1 - 3	38'-10"
2 - 4	



1 - I	27'-11 3/4"	2 - I	14'-5 1/4"	3 - I	11'-3 3/4"	4 - I	26'-6 1/4"
1 - J	14'-5 1/4"	2 - J	27'-11 3/4"	3 - J	26'-6 1/4"	4 - J	11'-3 3/4"
1 - K	18'-5 1/2"	2 - K	18'-5 1/2"	3 - K	20'-6 1/4"	4 - K	20'-6 1/4"
1 - L	30'-5 1/4"	2 - L	30'-5 1/4"	3 - L	17'-6 1/4"	4 - L	17'-6 1/4"
1 - M	26'-6 3/4"	2 - M	7'-0 1/2"	3 - M	22'-11 1/2"	4 - M	34'-5"
1 - N	7'-0 1/2"	2 - N	26'-6 3/4"	3 - N	34'-5"	4 - N	22'-11 1/2"
1 - W	22'-5 1/4"	2 - W	28'-3"	3 - W	21'-1 1/4"	4 - W	12'-3"
1 - X	7'-10 3/4"	2 - X	26'-10 1/4"	3 - X	30'-11 1/4"	4 - X	17'-3 1/4"
1 - Y	26'-10 1/4"	2 - Y	7'-10 3/4"	3 - Y	17'-3 1/4"	4 - Y	30'-11 1/4"
1 - Z	28'-3"	2 - Z	22'-5 1/4"	3 - Z	12'-3"	4 - Z	21'-1 1/4"

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current
ANSI/APSP/ICC-5 2011 suggested minimum standards for
pools that are NOT approved for diving.

MOUNTAIN LAKE REVERSE VIEW
20' x 33'

POOL SURFACE AREA	→ 488.9 ft ² 45.4 m ²	LINER SQ. FT.	→ 522.00 ft ²
POOL VOLUME	→ 14900 gal 56400 L	POOL PERIMETER	→ 86'-7" 26.39 m

NO DIVING ALLOWED IN THIS POOL

ITEM #	ITEM DESCRIPTION	PART #
17	8' RADIUS PANEL	42111
1	VERSA-FLEX SKIMMER PANEL	42116S
7	VERSA-FLEX PANEL	42115
2	6' REVERSE RADIUS PANEL STRAP	86164S
2	8' REVERSE RADIUS PANEL STRAP	86165S
	8' RADIUS PANEL STRAP	86200S
1	6'RR to 8'R STRAP SET	86221S
1	8'R to 6'RR STRAP SET	86222S
1	8'R to 8'RR STRAP SET	86223S
1	8'RR to 8'R STRAP SET	86225S
208	PUSH NUTS	09115
26	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12*	3/8"-16X HEX WASHER HEAD BOLT	148838
12*	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

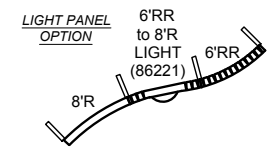
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

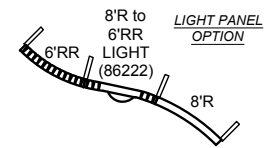
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

1 - A	10'-5"
1 - B	12'-6 1/2"
1 - C	18'-5"
1 - D	22'-1 3/4"
1 - E	22'-1 1/2"
1 - F	29'-5 1/4"
1 - G	12'-0 1/4"
1 - H	34'-9 1/4"
1 - O	28'-3 1/4"

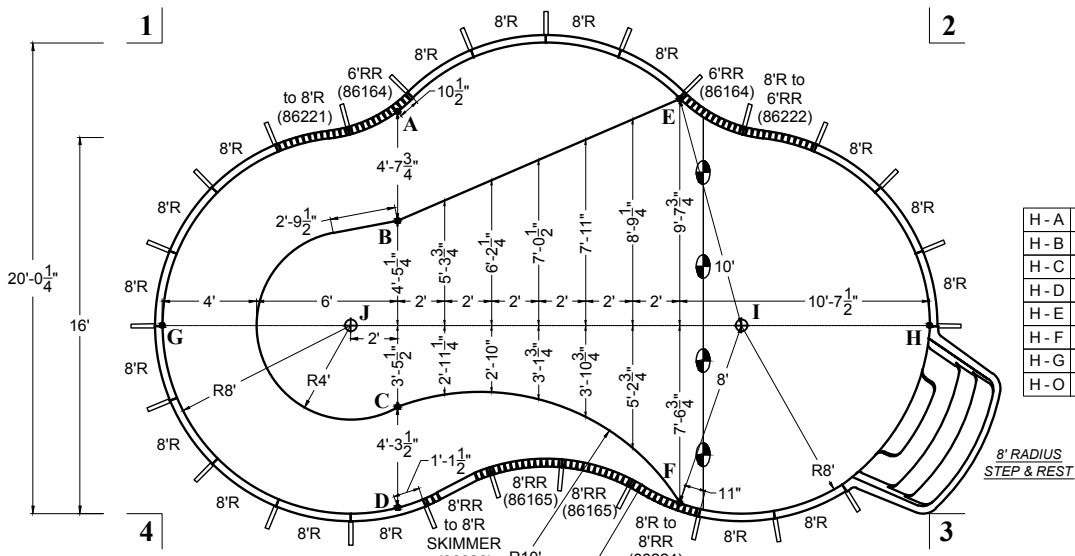


1 - 3	38'-3 1/4"
2 - 4	



2 - A	22'-9 3/4"
2 - B	23'-10 1/4"
2 - C	27'-5"
2 - D	30'-0 1/2"
2 - E	10'-10 3/4"
2 - F	22'-3 1/4"
2 - G	34'-9 1/4"
2 - H	12'-0 1/4"
2 - O	31'-4 1/4"

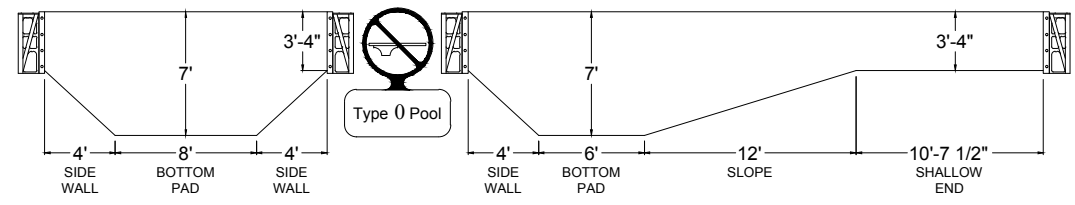
G - A	13'-6 1/4"
G - B	10'-11 1/4"
G - C	10'-7"
G - D	12'-7 3/4"
G - E	24'-0 1/4"
G - F	23'-3 1/4"
G - H	32'-7 1/2"
G - O	18'-7 1/2"



H - A	24'-4 3/4"
H - B	23'-0 3/4"
H - C	22'-10 3/4"
H - D	23'-11"
H - E	14'-4 1/4"
H - F	13'-0 1/2"
H - G	32'-7 1/2"
H - O	23'-0 1/4"

4 - A	19'-9 3/4"
4 - B	15'-11 1/2"
4 - C	10'-11 3/4"
4 - D	10'
4 - E	28'-2 1/2"
4 - F	22'
4 - G	8'
4 - H	33'-7 1/4"
4 - O	14'-4"

3 - A	28'-4 1/4"
3 - B	25'-10"
3 - C	23'-1"
3 - D	22'-7 1/2"
3 - E	20'-7 1/4"
3 - F	10'-7 3/4"
3 - G	33'-7 1/4"
3 - H	8'
3 - O	19'-8 3/4"



Type 0 Pool

JANUARY
2013

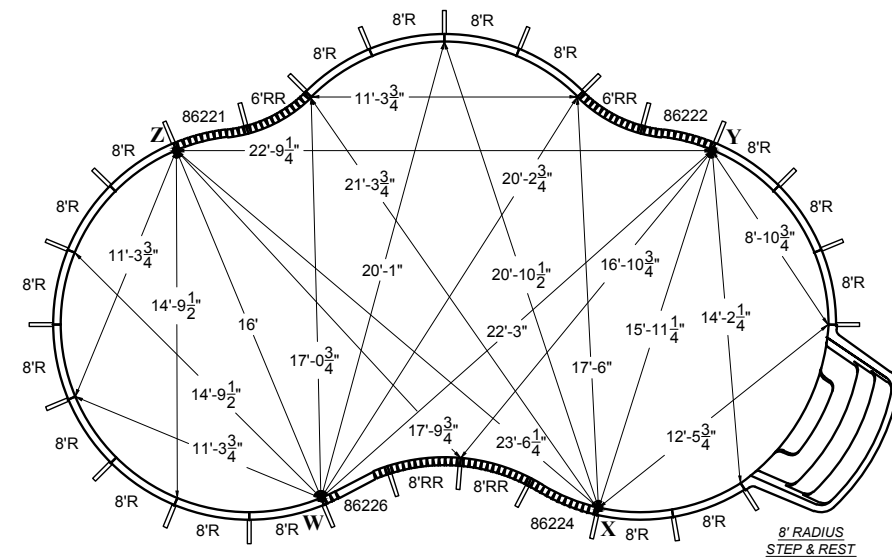
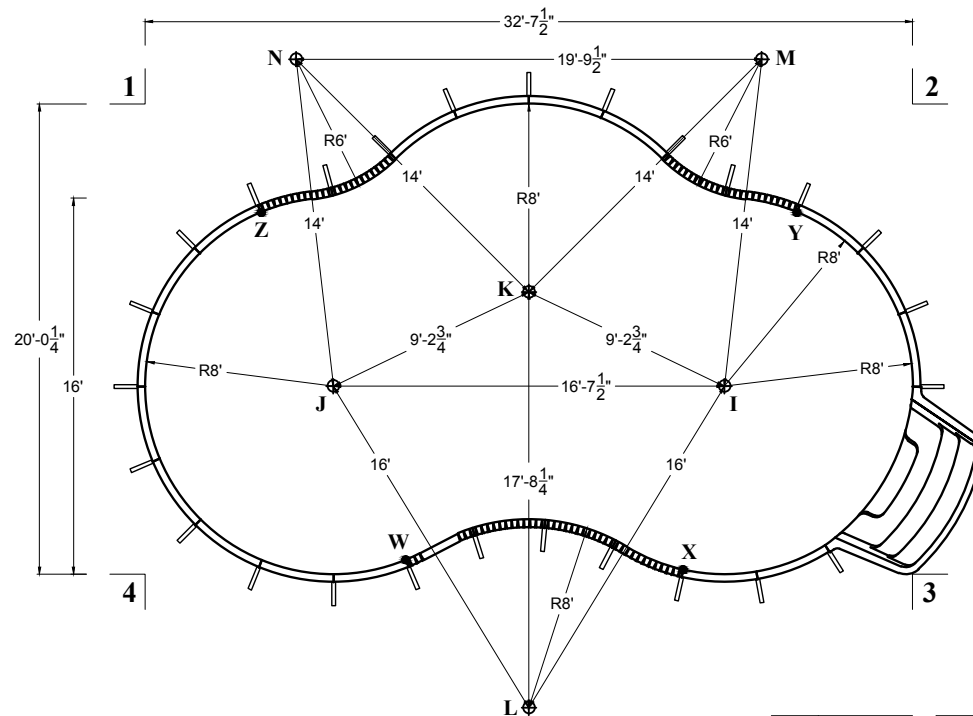
MATRIX
POOL SYSTEM

MOUNTAIN LAKE REVERSE VIEW

20' x 33'

POOL SURFACE AREA	488.9 ft ² 45.4 m ²	LINER SQ. FT.	522.00 ft ²
POOL VOLUME	14900 gal 56400 L	POOL PERIMETER	86'-7" 26.39 m

NO DIVING ALLOWED IN THIS POOL



1 - I	27'-4 3/4"	2 - I	14'-5 1/4"	3 - I	11'-3 3/4"	4 - I	25'-10 3/4"
1 - J	14'-5 1/4"	2 - J	27'-4 3/4"	3 - J	25'-10 3/4"	4 - J	11'-3 3/4"
1 - K	18'-2"	2 - K	18'-2"	3 - K	20'-3"	4 - K	20'-3"
1 - L	30'-5"	2 - L	30'-5"	3 - L	17'-3 1/4"	4 - L	17'-3 1/4"
1 - M	26'-3 1/2"	2 - M	6'-8 1/4"	3 - M	22'-10"	4 - M	34'-2"
1 - N	6'-8 1/4"	2 - N	26'-3 1/2"	3 - N	34'-2"	4 - N	22'-10"
1 - W	22'-4"	2 - W	29"	3 - W	21'-6 3/4"	4 - W	11'-1"
1 - X	30'-3 1/4"	2 - X	22'-1"	3 - X	9'-9"	4 - X	22'-10 1/2"
1 - Y	28'-1"	2 - Y	6'-9"	3 - Y	16'-1 3/4"	4 - Y	31'-8 1/4"
1 - Z	6'-9"	2 - Z	28'-1"	3 - Z	31'-8 1/4"	4 - Z	16'-1 3/4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

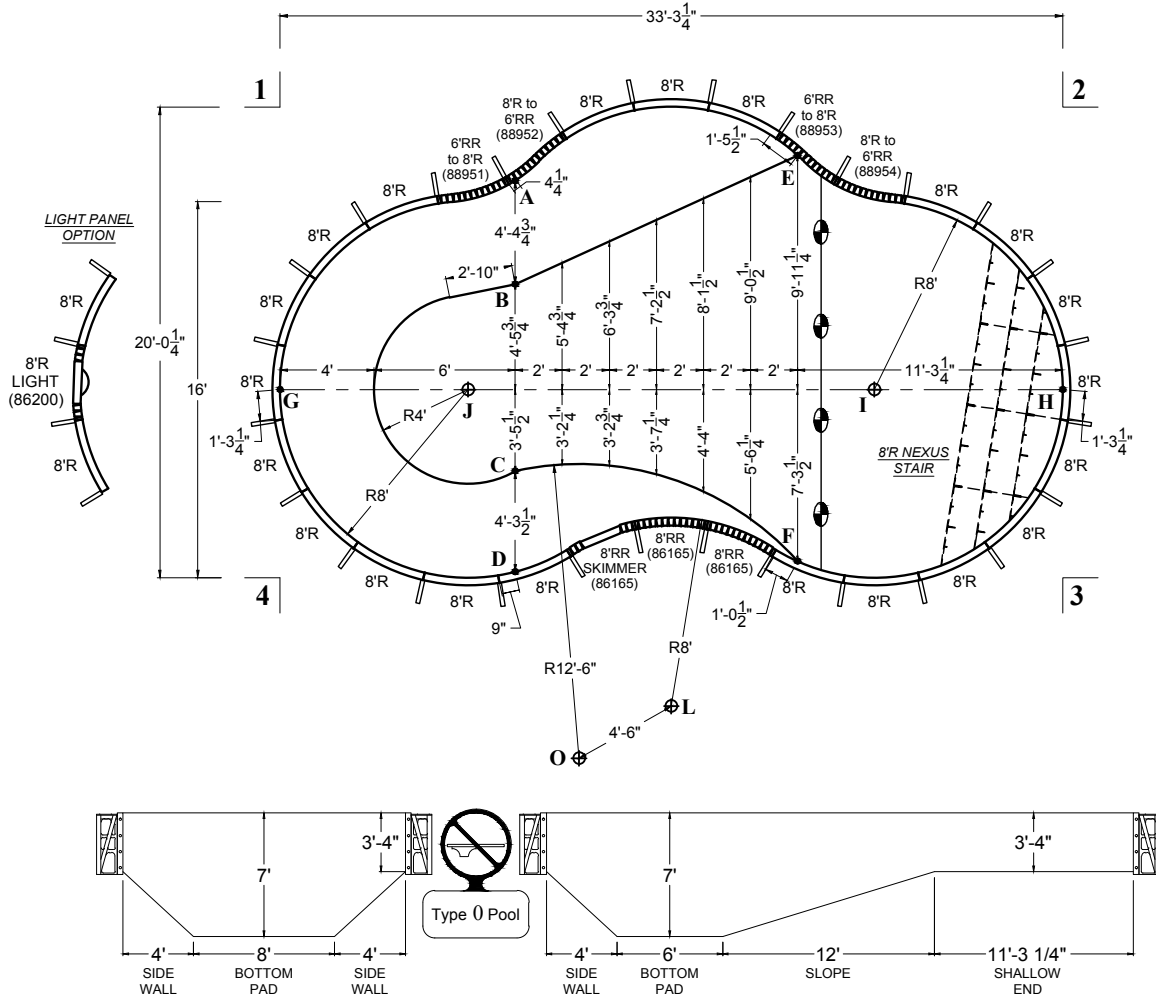
MOUNTAIN LAKE REVERSE VIEW
20' x 33'

1 - A	23'-5 3/4"
1 - B	24'-5 1/2"
1 - C	27'-11 1/2"
1 - D	30'-6 1/4"
1 - E	11'-5 1/2"
1 - F	22'-4 1/4"
1 - G	35'-4 1/2"
1 - H	12'-0 1/4"
1 - I	27'-11 3/4"
1 - J	14'-5 1/4"
1 - K	18'-5 1/2"
1 - L	30'-5 1/4"
1 - M	26'-6 3/4"
1 - N	7'-0 1/2"
1 - O	34'-5 3/4"

G - A	13'-4 1/2"
G - B	10'-11 1/2"
G - C	10'-7"
G - D	12'-7 3/4"
G - E	24'-1 3/4"
G - F	23'-2 1/4"
G - H	33'-3 1/4"
H - I	25'-3 1/4"
H - J	8'
H - K	17'-1 1/4"
H - L	21'-4 3/4"
H - M	29'-11 1/4"
H - N	15'-6"
G - O	20'-2 1/4"

4 - A	19'-7 1/2"
4 - B	16'
4 - C	10'-11 3/4"
4 - D	10'
4 - E	28'-4 3/4"
4 - F	22'-0 1/4"
4 - G	8'
4 - H	34'-2 3/4"
4 - I	26'-6 1/4"
4 - J	11'-3 3/4"
4 - K	20'-6 1/4"
4 - L	17'-6 1/4"
4 - M	34'-5"
4 - N	22'-11 1/2"
4 - O	14'-10 1/4"

1 - 3	38'-10"
2 - 4	



2 - A	10'-5 3/4"
2 - B	12'-6 1/4"
2 - C	18'-5"
2 - D	22'-1 3/4"
2 - E	22'-1 1/4"
2 - F	29'-3 1/4"
2 - G	12'-0 1/4"
2 - H	35'-4 1/2"
2 - I	14'-5 1/4"
2 - J	27'-11 3/4"
2 - K	18'-5 1/2"
2 - L	30'-5 1/4"
2 - M	7'-0 1/2"
2 - N	26'-6 3/4"
2 - O	30'-5 1/2"

H - A	24'-11"
H - B	23'-8 1/2"
H - C	23'-6 1/2"
H - D	24'-6 1/4"
H - E	15'-0 1/2"
H - F	13'-5 1/4"
H - G	33'-3 1/4"
H - I	8'
H - J	25'-3 1/4"
H - K	17'-1 1/4"
H - L	21'-4 3/4"
H - M	15'-6"
H - N	29'-11 1/4"
H - O	25'-10 1/4"

3 - A	28'-9"
3 - B	26'-5"
3 - C	23'-8 1/2"
3 - D	23'-3 1/4"
3 - E	21'-2 1/4"
3 - F	11'-3 1/2"
3 - G	34'-2 3/4"
3 - H	8'
3 - I	11'-3 3/4"
3 - J	26'-6 1/4"
3 - K	20'-6 1/4"
3 - L	17'-6 1/4"
3 - M	22'-11 1/2"
3 - N	34'-5"
3 - O	21'-11 1/2"

POOL SURFACE AREA	469.9 ft ²	LINER SQ. FT.	532.3333 ft ²
POOL VOLUME	15300 gal	POOL PERIMETER	87'-11"
	57950 L		26.80 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
8' RADIUS PANEL STRAP	86200S
8' REVERSE RADIUS PANEL STRAP	86165S
6'RR to 8'R STRAP SET	88951S
8'R to 6'RR STRAP SET	88952S
6'RR to 8'R STRAP SET	88953S
8'R to 6'RR STRAP SET	88954S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

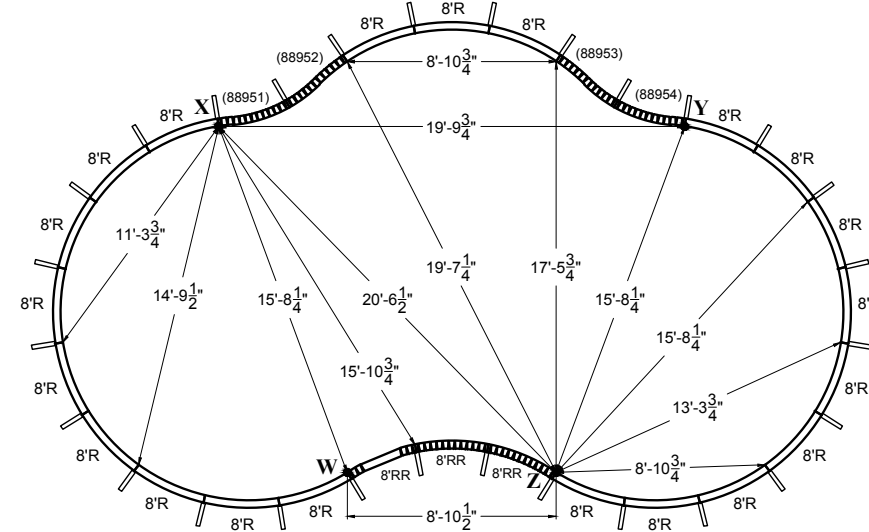
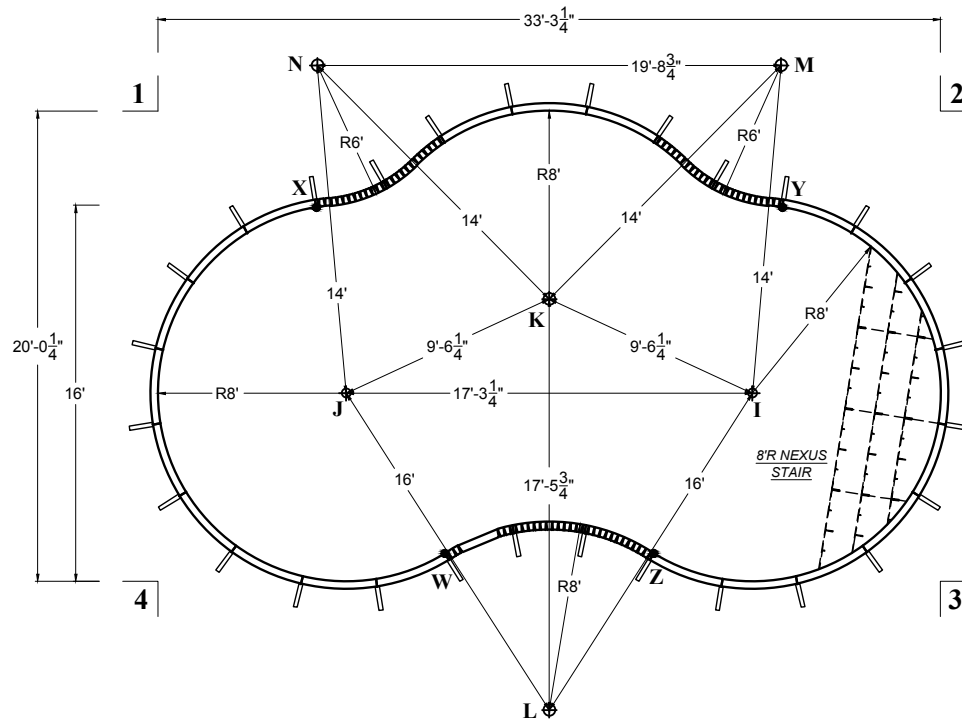
JANUARY
2013

MATRIX
POOL SYSTEM

MOUNTAIN LAKE REVERSE VIEW
20' x 33'

POOL SURFACE AREA	469.9 ft ² 46.2 m ²	LINER SQ. FT.	532.3333 ft ²
POOL VOLUME	15300 gal 57950 L	POOL PERIMETER	87'-11" 26.80 m

NO DIVING ALLOWED IN THIS POOL



- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

MOUNTAIN LAKE STANDARD VIEW
21' x 35'

POOL SURFACE AREA	540.1 ft ²	LINER SQ. FT.	564.6667 ft ²
POOL VOLUME	18000 gal	POOL PERIMETER	92'-11"
	68150 L		28.32 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS PANEL STRAP	86200S
8'RR to 8'RR STRAP SET	86227S
8' to 8'RR STRAP SET	86228S
8' to 10'RR STRAP SET	86229S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

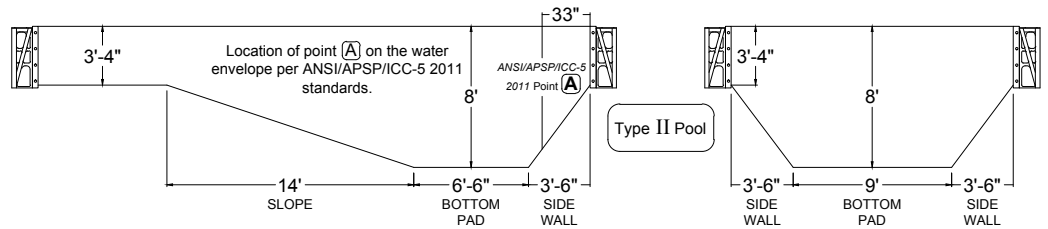
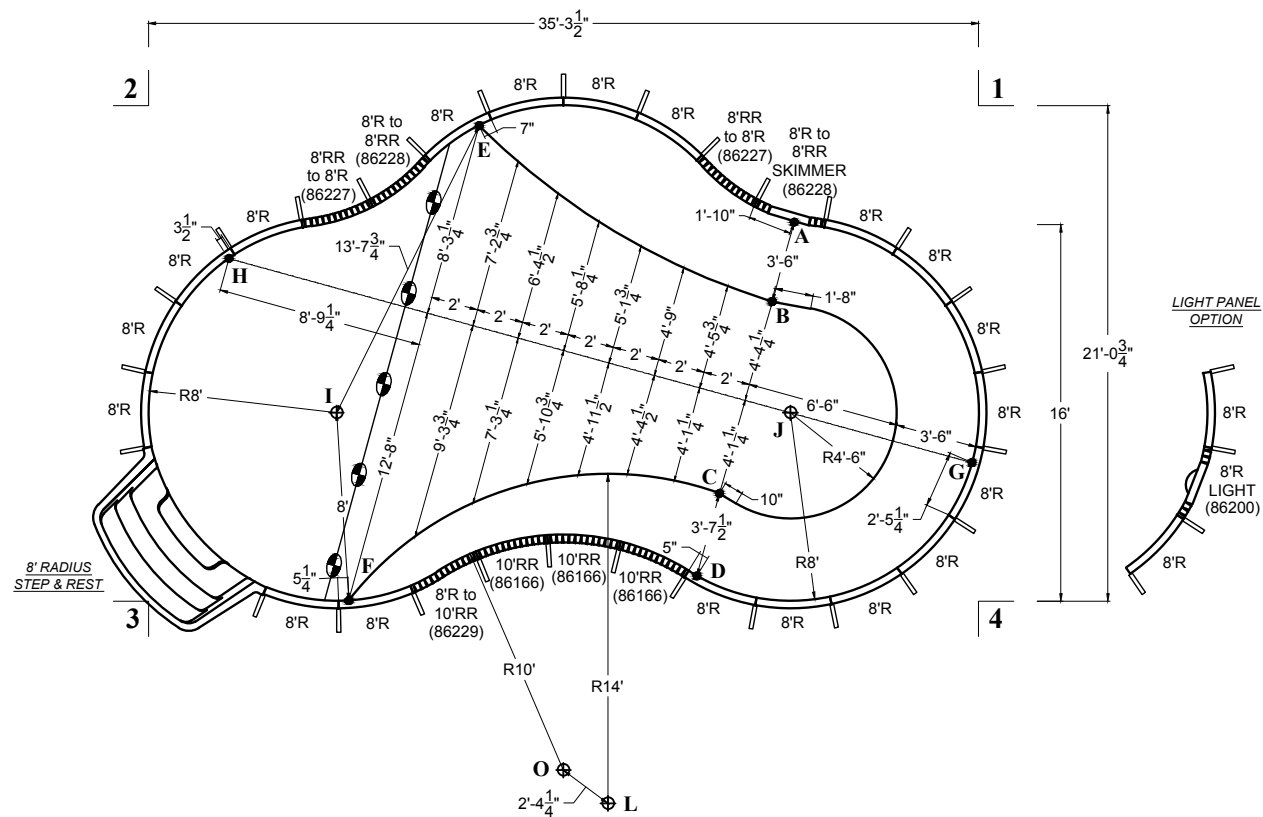
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	27'-10 3/4"
2 - B	27'-9 3/4"
2 - C	29'-4 1/4"
2 - D	30'-8 3/4"
2 - E	14'-1"
2 - F	22'-8 1/2"
2 - G	38'-2"
2 - H	7'-4 1/4"
2 - I	15'-3 3/4"
2 - J	30'-3 1/4"
2 - K	19'-4 1/2"
2 - L	33'-3 3/4"
2 - M	6'-5 3/4"
2 - N	29'-7 1/4"
2 - O	33'-3 3/4"

H - A	24'-1"
H - B	23'-2 1/4"
H - C	23'-1 1/2"
H - D	24'-0 1/2"
H - E	12'-0 1/2"
H - F	15'-5"
H - G	32'-9 1/4"
H - I	8'
H - J	24'-9 1/4"
H - K	14'-3 3/4"
H - L	28'-2 3/4"
H - M	9'-7 1/4"
H - N	27'-7 3/4"
H - O	26'

3 - A	31'-10"
3 - B	29'-5"
3 - C	24'-8 1/2"
3 - D	23'-4 1/4"
3 - E	24'-7 1/2"
3 - F	8'-6 1/4"
3 - G	35'-6"
3 - H	14'-11 1/2"
3 - I	11'-3 3/4"
3 - J	28'-5 1/2"
3 - K	21'-11 1/2"
3 - L	19'-0 3/4"
3 - M	24'-6 3/4"
3 - N	37'-11"
3 - O	19'-0 3/4"

1 - 3	41'-1 1/4"
2 - 4	



1 - A	9'-3 1/4"
1 - B	12'-1 1/4"
1 - C	19'-10"
1 - D	23'-3 3/4"
1 - E	21'-3"
1 - F	34'-0 3/4"
1 - G	15'-2 1/4"
1 - H	32'-6 1/2"
1 - I	30'-3 1/4"
1 - J	15'-3 3/4"
1 - K	19'-4 1/2"
1 - L	33'-3 3/4"
1 - M	29'-7 1/4"
1 - N	6'-5 3/4"
1 - O	33'-3 3/4"

G - A	12'-8 3/4"
G - B	10'-11"
G - C	10'-9 3/4"
G - D	12'-7 3/4"
G - E	25'-4 1/2"
G - F	27'-1 3/4"
G - H	32'-9 1/4"
G - I	27'-1 1/4"
G - J	8'
G - K	18'-9 1/2"
G - L	21'-2 1/2"
G - M	34'-3 1/4"
G - N	18'-9 3/4"
G - O	21'-8 3/4"

4 - A	17'-11"
4 - B	15'-5 1/2"
4 - C	11'-11"
4 - D	12'-0 1/4"
4 - E	29'-3 3/4"
4 - F	26'-9 1/2"
4 - G	5'-10 3/4"
4 - H	35'-0 1/2"
4 - I	28'-5 1/2"
4 - J	11'-3 3/4"
4 - K	21'-11 1/2"
4 - L	19'-0 3/4"
4 - M	37'-11"
4 - N	24'-6 3/4"
4 - O	19'-0 3/4"

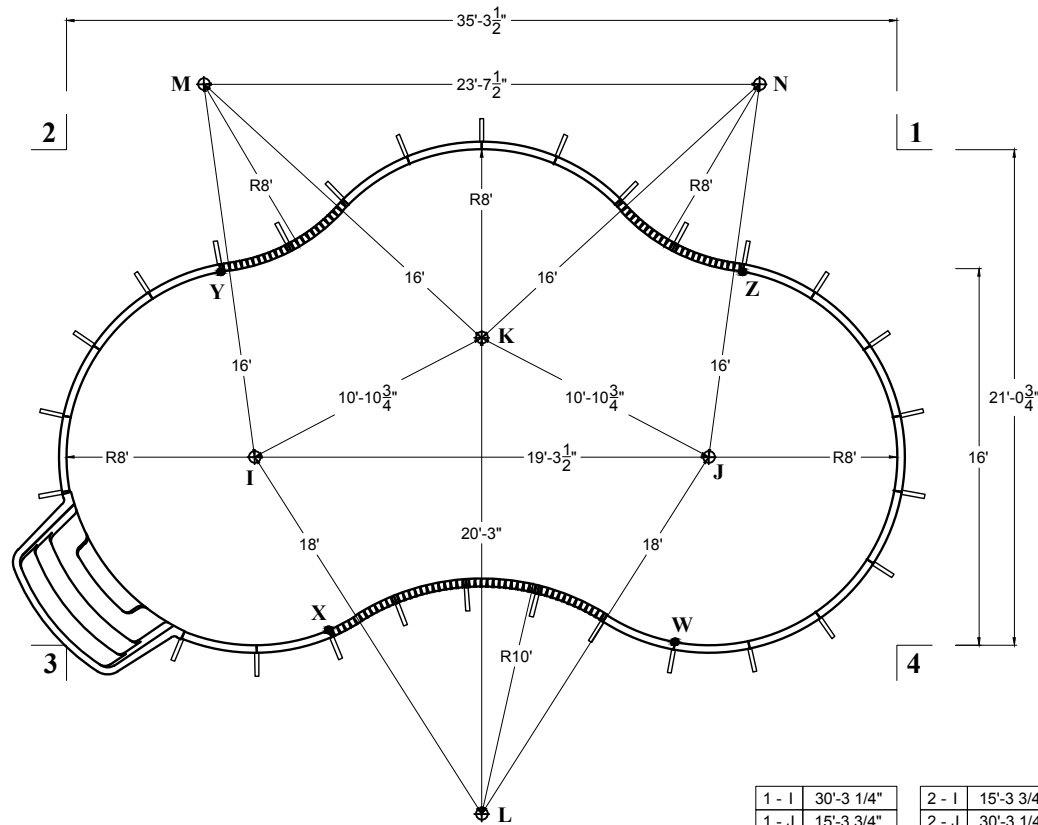
JANUARY
2013

MATRIX
POOL SYSTEM

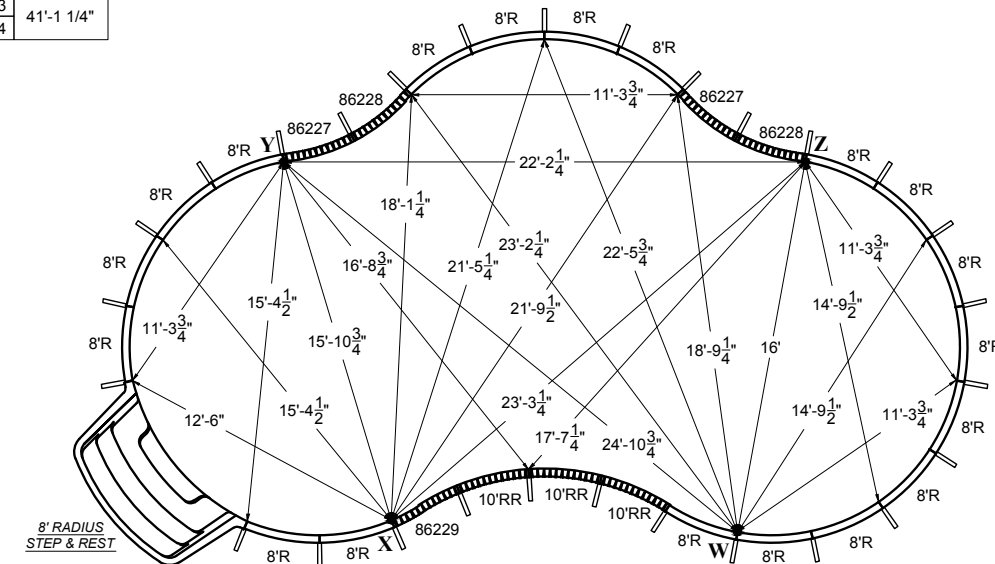
MOUNTAIN LAKE STANDARD VIEW
21' x 35'

POOL SURFACE AREA	→ 540.1 ft ² 50.2 m ²	LINER SQ. FT.	→ 564.6667 ft ²
POOL VOLUME	→ 18000 gal 68150 L	POOL PERIMETER	→ 92'-11" 28.32 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	41'-1 1/4"
2 - 4	



1 - I	30'-3 1/4"	2 - I	15'-3 3/4"	3 - I	11'-3 3/4"	4 - I	28'-5 1/2"
1 - J	15'-3 3/4"	2 - J	30'-3 1/4"	3 - J	28'-5 1/2"	4 - J	11'-3 3/4"
1 - K	19'-4 1/2"	2 - K	19'-4 1/2"	3 - K	21'-11 1/2"	4 - K	21'-11 1/2"
1 - L	33'-3 3/4"	2 - L	33'-3 3/4"	3 - L	19'-0 3/4"	4 - L	19'-0 3/4"
1 - M	29'-7 1/4"	2 - M	6'-5 3/4"	3 - M	24'-6 3/4"	4 - M	37'-11"
1 - N	6'-5 3/4"	2 - N	29'-7 1/4"	3 - N	37'-11"	4 - N	24'-6 3/4"
1 - W	22'-11 1/2"	2 - W	33'-3 1/4"	3 - W	25'-10 1/4"	4 - W	9'-5 1/4"
1 - X	31'-7 3/4"	2 - X	23'-3 1/4"	3 - X	11'-1 3/4"	4 - X	24'-2"
1 - Y	29'-2 1/2"	2 - Y	8'-4 1/2"	3 - Y	17'-2"	4 - Y	32'-10"
1 - Z	8'-4 1/2"	2 - Z	29'-2 1/2"	3 - Z	32'-10"	4 - Z	17'-2"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

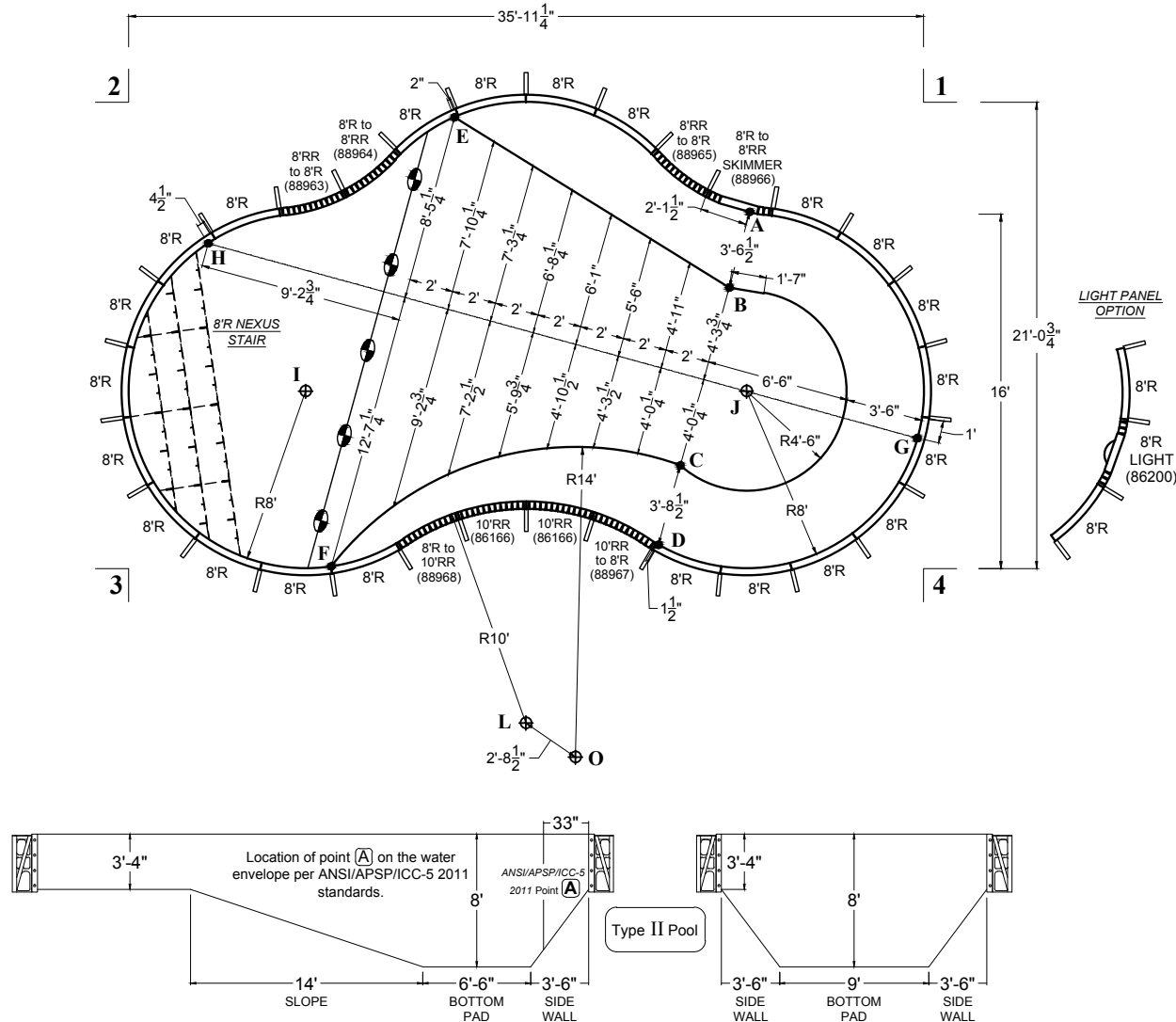
MOUNTAIN LAKE STANDARD VIEW
21' x 35'

2 - A	28'-6 1/4"
2 - B	28'-4 3/4"
2 - C	29'-10 1/4"
2 - D	31'-2 1/2"
2 - E	14'-9"
2 - F	22'-10 3/4"
2 - G	38'-9"
2 - H	7'-4"
2 - I	15'-3 3/4"
2 - J	30'-10"
2 - K	19'-8"
2 - L	33'-3 3/4"
2 - M	6'-9 3/4"
2 - N	29'-10 1/2"
2 - O	35'-10"

H - A	24'-6 1/4"
H - B	23'-7 1/2"
H - C	23'-7"
H - D	24'-5 3/4"
H - E	12'-6 1/4"
H - F	15'-7 1/2"
H - G	33'-2 3/4"
H - I	8'
H - J	25'-2 3/4"
H - K	14'-5 1/2"
H - L	33'-3 3/4"
H - M	9'-6 3/4"
H - N	27'-8 1/2"
H - O	28'-6 1/2"

3 - A	32'-4 1/2"
3 - B	29'-11 1/2"
3 - C	25'-4 1/4"
3 - D	23'-11 3/4"
3 - E	25'-1 3/4"
3 - F	9'-2"
3 - G	36'-1 1/2"
3 - H	15'-1 1/2"
3 - I	11'-3 3/4"
3 - J	29'-0 3/4"
3 - K	22'-2 1/2"
3 - L	19'-3 1/4"
3 - M	24'-8 1/4"
3 - N	38'-1 3/4"
3 - O	21'-11"

1 - 3	41'-7 3/4"
2 - 4	



1 - A	9'-3 1/2"
1 - B	12'-1 1/2"
1 - C	19'-9 1/4"
1 - D	23'-3 3/4"
1 - E	21'-2 1/2"
1 - F	34'
1 - G	15'-2 1/4"
1 - H	32'-11 1/2"
1 - I	30'-10"
1 - J	15'-3 3/4"
1 - K	19'-8"
1 - L	33'-3 3/4"
1 - M	29'-10 1/2"
1 - N	6'-9 3/4"
1 - O	33'-6 1/4"

G - A	12'-8 1/2"
G - B	10'-10 3/4"
G - C	10'-9 1/2"
G - D	12'-7 3/4"
G - E	25'-5 1/4"
G - F	27'-1 1/4"
G - H	33'-2 3/4"
G - I	25'-2 3/4"
G - J	8'
G - K	14'-5 1/2"
G - L	33'-3 3/4"
G - M	27'-8 1/2"
G - N	9'-6 3/4"
G - O	21'-1 1/2"

4 - A	17'-11"
4 - B	15'-5 1/4"
4 - C	11'-11 1/4"
4 - D	12'-0 1/4"
4 - E	29'-4 3/4"
4 - F	26'-9 1/4"
4 - G	5'-10 3/4"
4 - H	35'-6"
4 - I	29'-0 3/4"
4 - J	11'-3 3/4"
4 - K	22'-2 1/2"
4 - L	19'-3 1/4"
4 - M	38'-1 3/4"
4 - N	24'-8 1/4"
4 - O	17'-10 3/4"

POOL SURFACE AREA	→ 547.3 ft ²	LINER SQ. FT.	→ 575.0000 ft ²
POOL VOLUME	→ 18550 gal	POOL PERIMETER	→ 94'-3"
	70200 L		28.73 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
22	
1 VERSA-FLEX SKIMMER PANEL	42116S
7 VERSA-FLEX PANEL	42115
8' RADIUS PANEL STRAP	86200S
2 10' REVERSE RADIUS STRAP SET	86166S
1 8'RR to 8'R STRAP SET	88963S
1 8'R to 8'RR STRAP SET	88964S
1 8'RR to 8'R STRAP SET	88965S
1 8'R to 8'RR STRAP SET	88966S
1 10'RR to 8'R STRAP SET	88967S
1 8'R to 10'RR STRAP SET	88968S
208 PUSH NUTS	09115
30 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

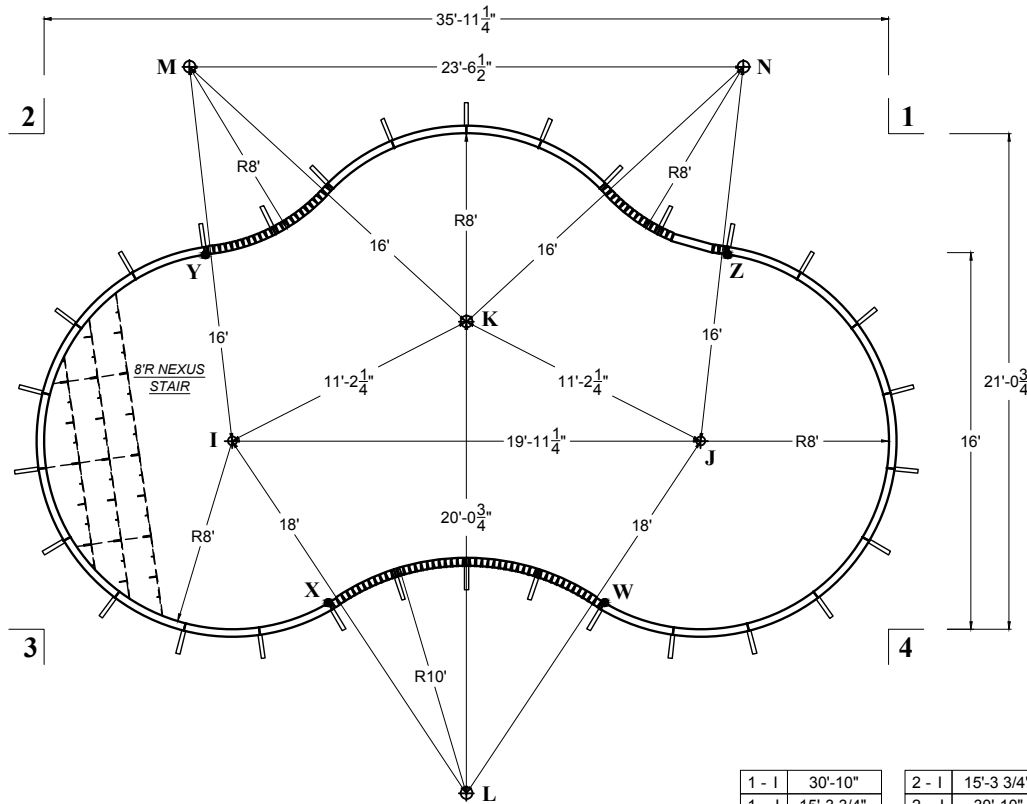
JANUARY
2013

MATRIX
POOL SYSTEM

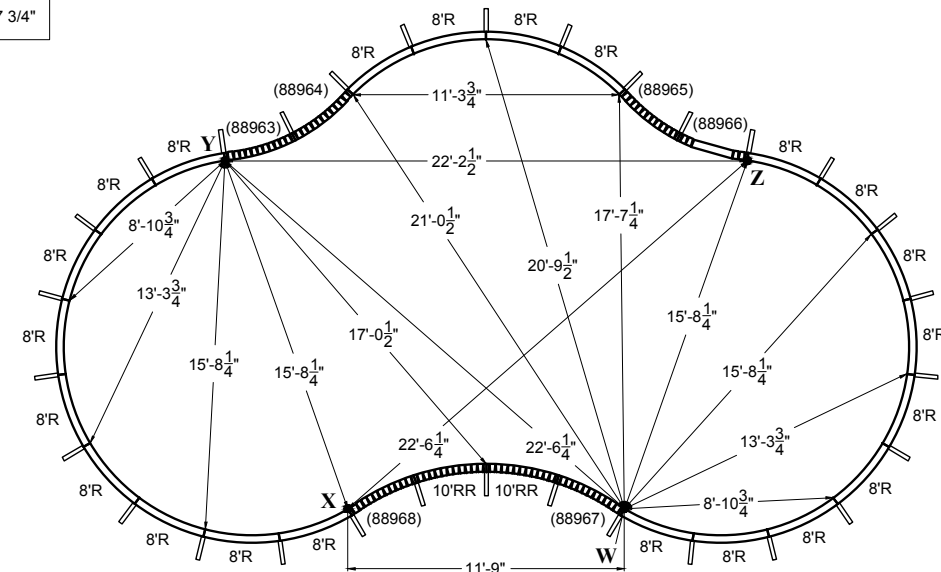
MOUNTAIN LAKE STANDARD VIEW
21' x 35'

POOL SURFACE AREA	547.3 ft ² 50.8 m ²	LINER SQ. FT.	575.0000 ft ²
POOL VOLUME	18550 gal 70200 L	POOL PERIMETER	94'-3" 28.73 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	41'-7 3/4"
2 - 4	



1 - I	30'-10"	2 - I	15'-3 3/4"	3 - I	11'-3 3/4"	4 - I	29'-0 3/4"
1 - J	15'-3 3/4"	2 - J	30'-10"	3 - J	29'-0 3/4"	4 - J	11'-3 3/4"
1 - K	19'-8"	2 - K	19'-8"	3 - K	22'-2 1/2"	4 - K	22'-2 1/2"
1 - L	33'-3 3/4"	2 - L	33'-3 3/4"	3 - L	19'-3 1/4"	4 - L	19'-3 1/4"
1 - M	29'-10 1/2"	2 - M	6'-9 3/4"	3 - M	24'-8 1/4"	4 - M	38'-1 3/4"
1 - N	6'-9 3/4"	2 - N	29'-10 1/2"	3 - N	38'-1 3/4"	4 - N	24'-8 1/4"
1 - W	23'-3 3/4"	2 - W	31'-1"	3 - W	23'-10 1/2"	4 - W	12'-1 3/4"
1 - X	31'-1"	2 - X	23'-3 3/4"	3 - X	12'-1 3/4"	4 - X	23'-10 1/2"
1 - Y	29'-6 1/4"	2 - Y	8'-6 3/4"	3 - Y	17'-4"	4 - Y	33'-1 3/4"
1 - Z	8'-6 3/4"	2 - Z	29'-6 1/4"	3 - Z	33'-1 3/4"	4 - Z	17'-4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

MOUNTAIN LAKE REVERSE VIEW
21' x 35'

POOL SURFACE AREA	→ 540.1 ft ²	LINER SQ. FT.	→ 564.6667 ft ²
POOL VOLUME	→ 18000 gal	POOL PERIMETER	→ 92'-11"
	68150 L		28.32 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

8' RADIUS STEP	↓	↓	↓
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ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
7 VERSA-FLEX PANEL	42115
3 10' REVERSE RADIUS STRAP SET	86166S
8' RADIUS PANEL STRAP	86200S
2 8'RR to 8'R STRAP SET	86227S
2 8'RR to 8'RR STRAP SET	86228S
1 10'RR to 8'R STRAP SET	86230S
208 PUSH NUTS	09115
28 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

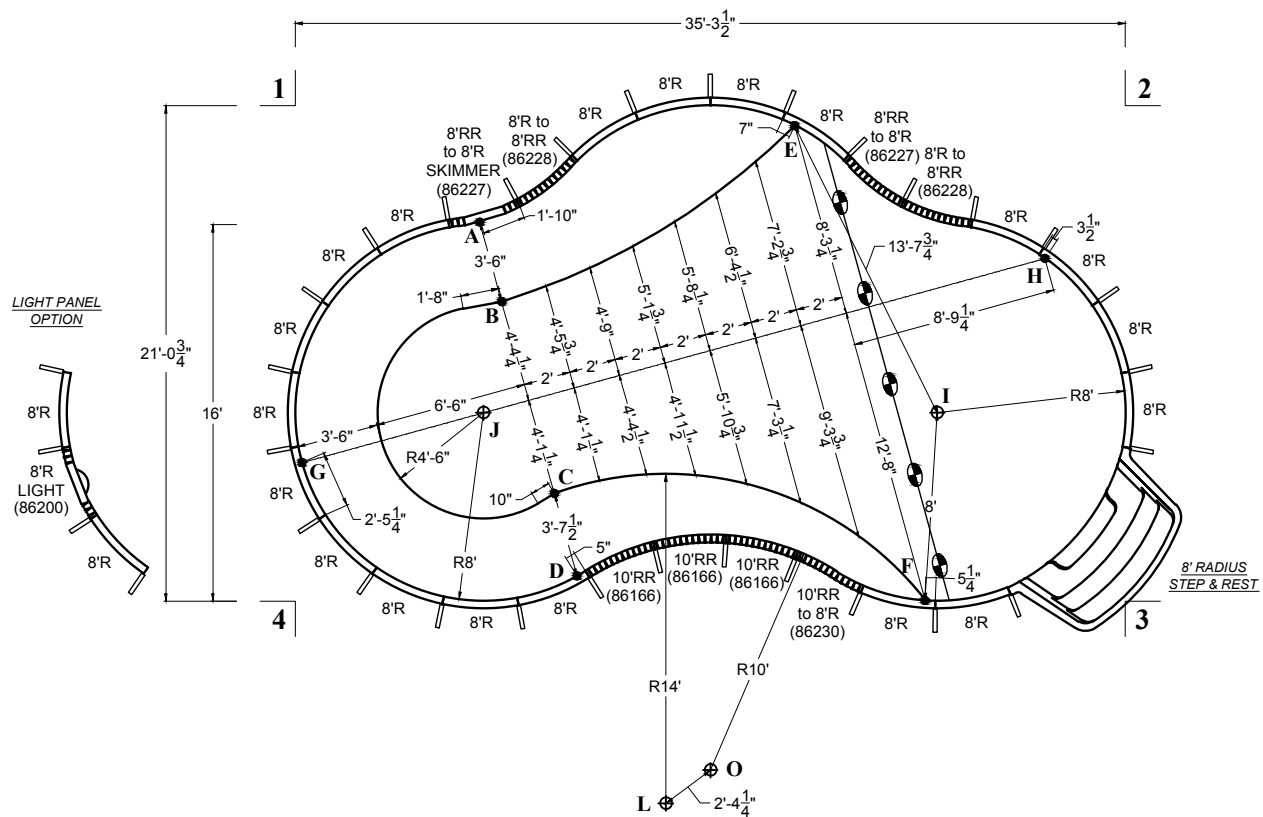
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-3 1/4"
1 - B	12'-1 1/4"
1 - C	19'-10"
1 - D	23'-3 3/4"
1 - E	21'-3"
1 - F	34'-0 3/4"
1 - G	15'-2 1/4"
1 - H	32'-6 1/2"
1 - I	30'-3 1/4"
1 - J	15'-3 3/4"
1 - K	19'-4 1/2"
1 - L	33'-3 3/4"
1 - M	29'-7 1/4"
1 - N	6'-5 3/4"
1 - O	33'-3 3/4"

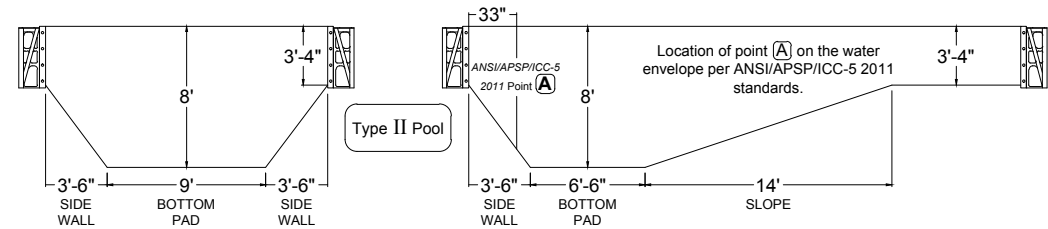
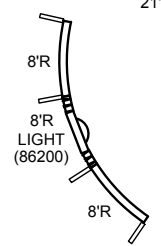
G - A	12'-8 3/4"
G - B	10'-11"
G - C	10'-9 3/4"
G - D	12'-7 3/4"
G - E	25'-4 1/2"
G - F	27'-1 3/4"
G - H	32'-9 1/4"
G - I	27'-1 1/4"
G - J	8'
G - K	18'-9 1/2"
G - L	21'-2 1/2"
G - M	34'-3 1/4"
G - N	18'-9 3/4"
G - O	21'-8 3/4"

4 - A	17'-11"
4 - B	15'-5 1/2"
4 - C	11'-11"
4 - D	12'-0 1/4"
4 - E	29'-3 3/4"
4 - F	26'-9 1/2"
4 - G	5'-10 3/4"
4 - H	35'-0 1/2"
4 - I	28'-5 1/2"
4 - J	11'-3 3/4"
4 - K	21'-11 1/2"
4 - L	19'-0 3/4"
4 - M	37'-11"
4 - N	24'-6 3/4"
4 - O	19'-0 3/4"

1 - 3	41'-1 1/4"
2 - 4	



LIGHT PANEL OPTION



2 - A	27'-10 3/4"
2 - B	27'-9 3/4"
2 - C	29'-4 1/4"
2 - D	30'-8 3/4"
2 - E	14'-1"
2 - F	22'-8 1/2"
2 - G	38'-2"
2 - H	7'-4 1/4"
2 - I	15'-3 3/4"
2 - J	30'-3 1/4"
2 - K	19'-4 1/2"
2 - L	33'-3 3/4"
2 - M	6'-5 3/4"
2 - N	29'-7 1/4"
2 - O	33'-3 3/4"

H - A	24'-1"
H - B	23'-2 1/4"
H - C	23'-1 1/2"
H - D	24'-0 1/2"
H - E	12'-0 1/2"
H - F	15'-5"
H - G	32'-9 1/4"
H - I	8'
H - J	24'-9 1/4"
H - K	14'-3 3/4"
H - L	28'-2 3/4"
H - M	9'-7 1/4"
H - N	27'-7 3/4"
H - O	26'

3 - A	31'-10"
3 - B	29'-5"
3 - C	24'-8 1/2"
3 - D	23'-4 1/4"
3 - E	24'-7 1/2"
3 - F	8'-6 1/4"
3 - G	35'-6"
3 - H	14'-11 1/2"
3 - I	11'-3 3/4"
3 - J	28'-5 1/2"
3 - K	21'-11 1/2"
3 - L	19'-0 3/4"
3 - M	24'-6 3/4"
3 - N	37'-11"
3 - O	19'-0 3/4"

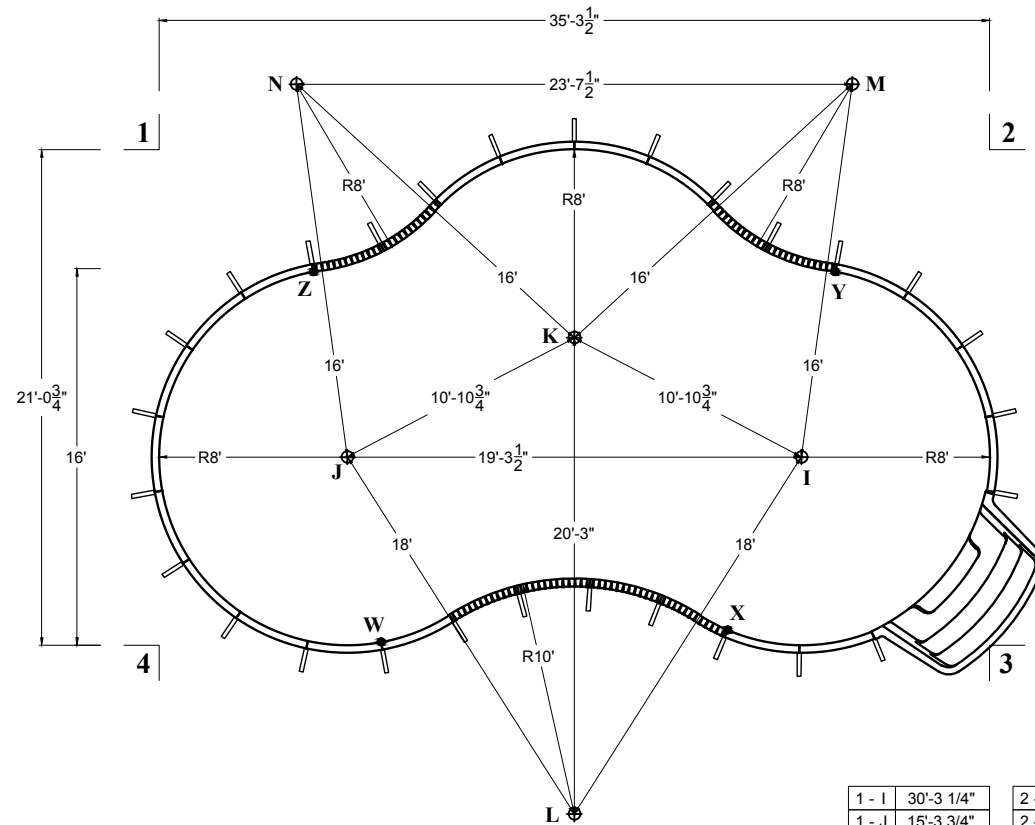
JANUARY
2013

MATRIX
POOL SYSTEM

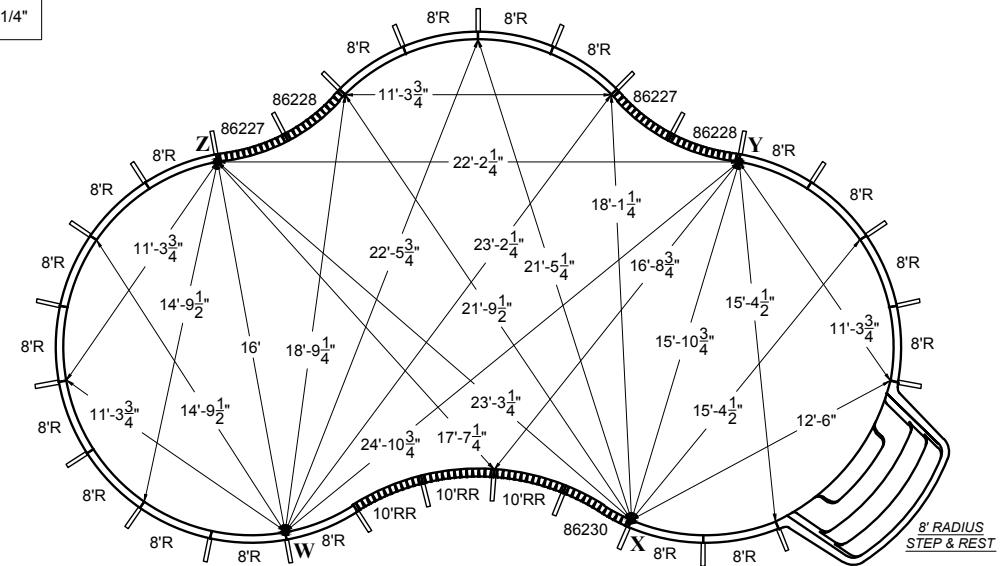
MOUNTAIN LAKE REVERSE VIEW
21' x 35'

POOL SURFACE AREA	540.1 ft ² 50.2 m ²	LINER SQ. FT.	564.6667 ft ²
POOL VOLUME	18000 gal	POOL PERIMETER	92'-11" 28.32 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	41'-1 1/4"
2 - 4	



1 - I	30'-3 1/4"	2 - I	15'-3 3/4"	3 - I	11'-3 3/4"	4 - I	28'-5 1/2"
1 - J	15'-3 3/4"	2 - J	30'-3 1/4"	3 - J	28'-5 1/2"	4 - J	11'-3 3/4"
1 - K	19'-4 1/2"	2 - K	19'-4 1/2"	3 - K	21'-11 1/2"	4 - K	21'-11 1/2"
1 - L	33'-3 3/4"	2 - L	33'-3 3/4"	3 - L	19'-0 3/4"	4 - L	19'-0 3/4"
1 - M	29'-7 1/4"	2 - M	6'-5 3/4"	3 - M	24'-6 3/4"	4 - M	37'-11"
1 - N	6'-5 3/4"	2 - N	29'-7 1/4"	3 - N	37'-11"	4 - N	24'-6 3/4"
1 - W	22'-11 1/2"	2 - W	33'-3 1/4"	3 - W	25'-10 1/4"	4 - W	9'-5 1/4"
1 - X	31'-7 3/4"	2 - X	23'-3 1/4"	3 - X	11'-1 3/4"	4 - X	24'-2"
1 - Y	29'-2 1/2"	2 - Y	8'-4 1/2"	3 - Y	17'-2"	4 - Y	32'-10"
1 - Z	8'-4 1/2"	2 - Z	29'-2 1/2"	3 - Z	32'-10"	4 - Z	17'-2"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
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MOUNTAIN LAKE REVERSE VIEW
21' x 35'

POOL SURFACE AREA	547.3 ft ²	LINER SQ. FT.	575.0000 ft ²
POOL VOLUME	18550 gal	POOL PERIMETER	94'-3"
	70200 L		28.73 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
7 VERSA-FLEX PANEL	42115
8' RADIUS PANEL STRAP	86200S
2 10' REVERSE RADIUS STRAP SET	86166S
1 8'RR to 8'R STRAP SET	88963S
1 8'R to 8'RR STRAP SET	88964S
1 8'RR to 8'R STRAP SET	88965S
1 8'R to 8'RR STRAP SET	88966S
1 10'RR to 8'R STRAP SET	88967S
1 8'R to 10'RR STRAP SET	88968S
208 PUSH NUTS	09115
30 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

1 - A	9'-3 1/2"
1 - B	12'-1 1/2"
1 - C	19'-9 1/4"
1 - D	23'-3 3/4"
1 - E	21'-2 1/2"
1 - F	34"
1 - G	15'-2 1/4"
1 - H	32'-11 1/2"
1 - I	30'-10"
1 - J	15'-3 3/4"
1 - K	19'-8"
1 - L	33'-3 3/4"
1 - M	29'-10 1/2"
1 - N	6'-9 3/4"
1 - O	33'-6 1/4"

G - A	12'-8 1/2"
G - B	10'-10 3/4"
G - C	10'-9 1/2"
G - D	12'-7 3/4"
G - E	25'-5 1/4"
G - F	27'-1 1/4"
G - H	33'-2 3/4"
G - I	25'-2 3/4"
G - J	8"
G - K	14'-5 1/2"
G - L	33'-3 3/4"
G - M	27'-8 1/2"
G - N	9'-6 3/4"
G - O	21'-1 1/2"

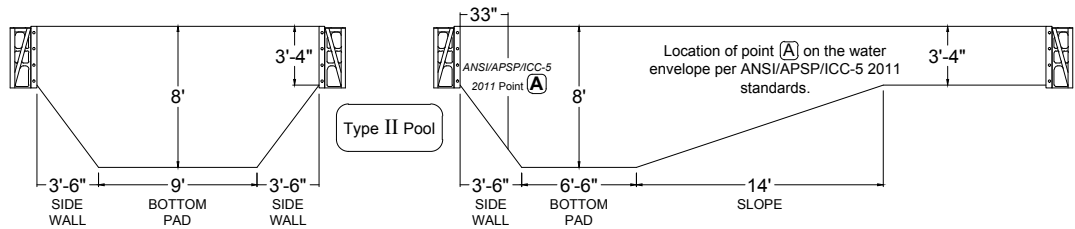
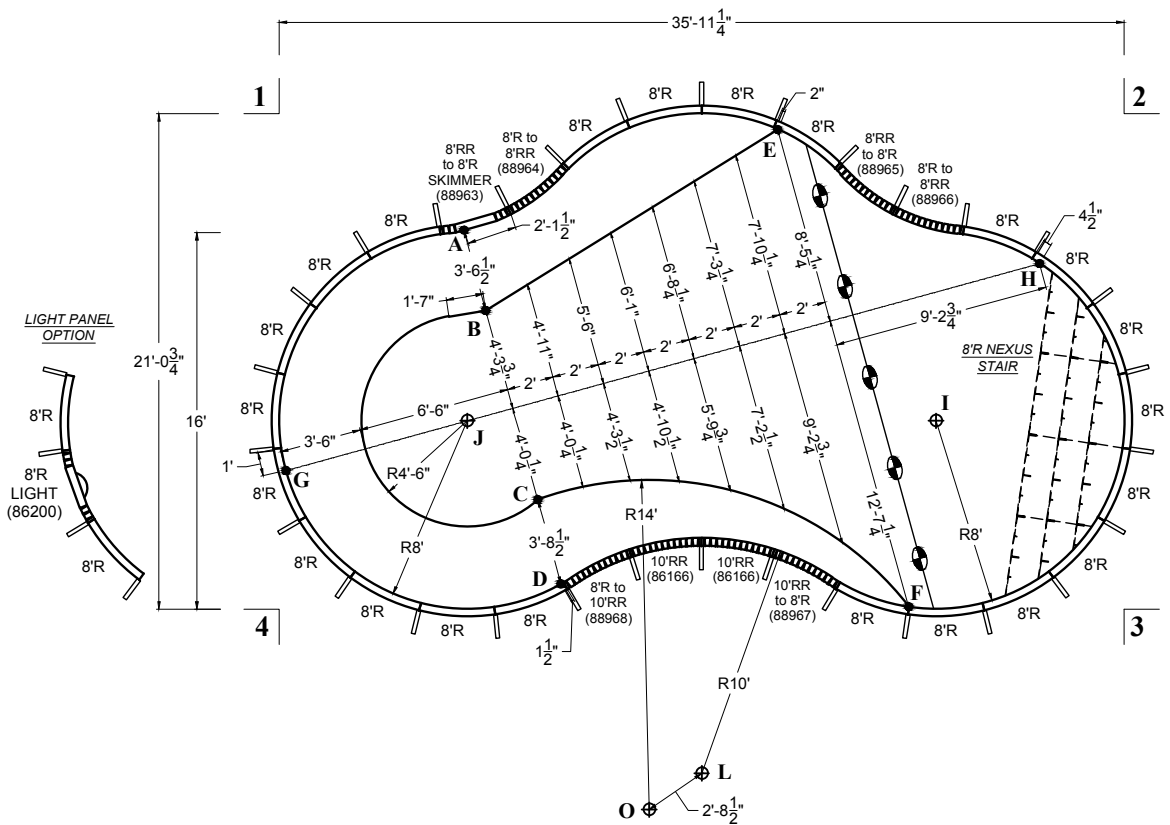
4 - A	17'-11"
4 - B	15'-5 1/4"
4 - C	11'-11 1/4"
4 - D	12'-0 1/4"
4 - E	29'-4 3/4"
4 - F	26'-9 1/4"
4 - G	5'-10 3/4"
4 - H	35'-6"
4 - I	29'-0 3/4"
4 - J	11'-3 3/4"
4 - K	22'-2 1/2"
4 - L	19'-3 1/4"
4 - M	38'-1 3/4"
4 - N	24'-8 1/4"
4 - O	17'-10 3/4"

1 - 3	41'-7 3/4"
2 - 4	

2 - A	28'-6 1/4"
2 - B	28'-4 3/4"
2 - C	29'-10 1/4"
2 - D	31'-2 1/2"
2 - E	14'-9"
2 - F	22'-10 3/4"
2 - G	38'-9"
2 - H	7'-4"
2 - I	15'-3 3/4"
2 - J	30'-10"
2 - K	19'-8"
2 - L	33'-3 3/4"
2 - M	6'-9 3/4"
2 - N	29'-10 1/2"
2 - O	35'-10"

H - A	24'-6 1/4"
H - B	23'-7 1/2"
H - C	23'-7"
H - D	24'-5 3/4"
H - E	12'-6 1/4"
H - F	15'-7 1/2"
H - G	33'-2 3/4"
H - I	8"
H - J	25'-2 3/4"
H - K	14'-5 1/2"
H - L	33'-3 3/4"
H - M	9'-6 3/4"
H - N	27'-8 1/2"
H - O	28'-6 1/2"

3 - A	32'-4 1/2"
3 - B	29'-11 1/2"
3 - C	25'-4 1/4"
3 - D	23'-11 3/4"
3 - E	25'-1 3/4"
3 - F	9'-2"
3 - G	36'-1 1/2"
3 - H	15'-1 1/2"
3 - I	11'-3 3/4"
3 - J	29'-0 3/4"
3 - K	22'-2 1/2"
3 - L	19'-3 1/4"
3 - M	24'-8 1/4"
3 - N	38'-1 3/4"
3 - O	21'-11"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

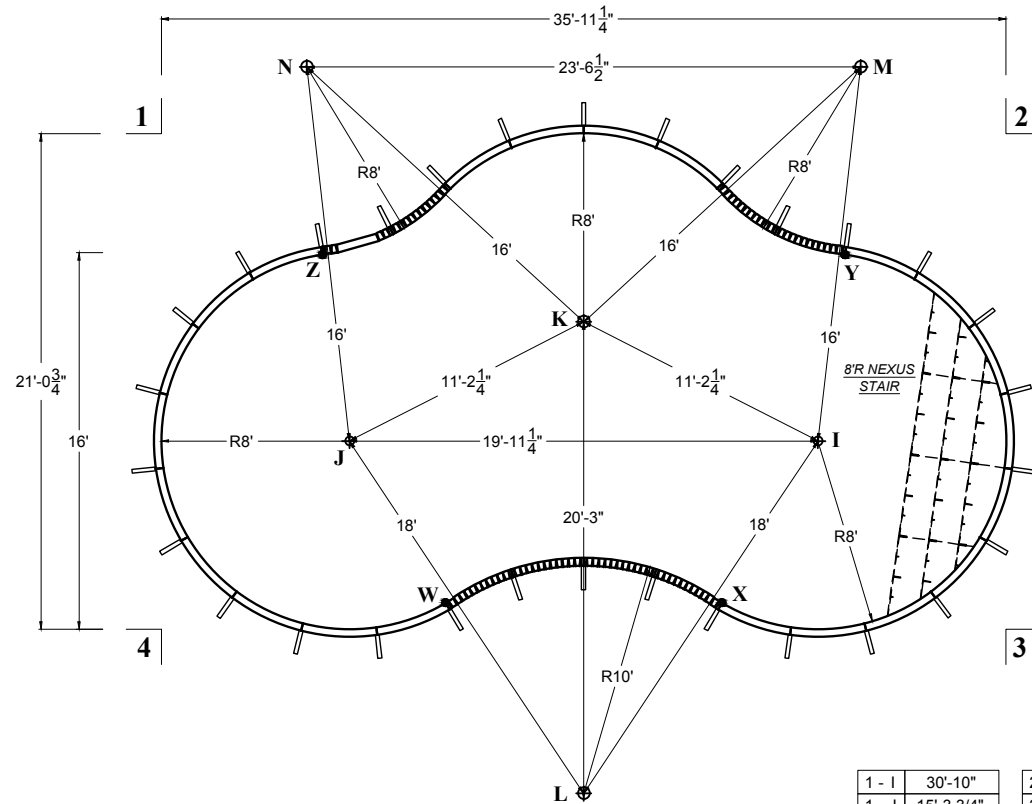
JANUARY
2013

MATRIX
POOL SYSTEM

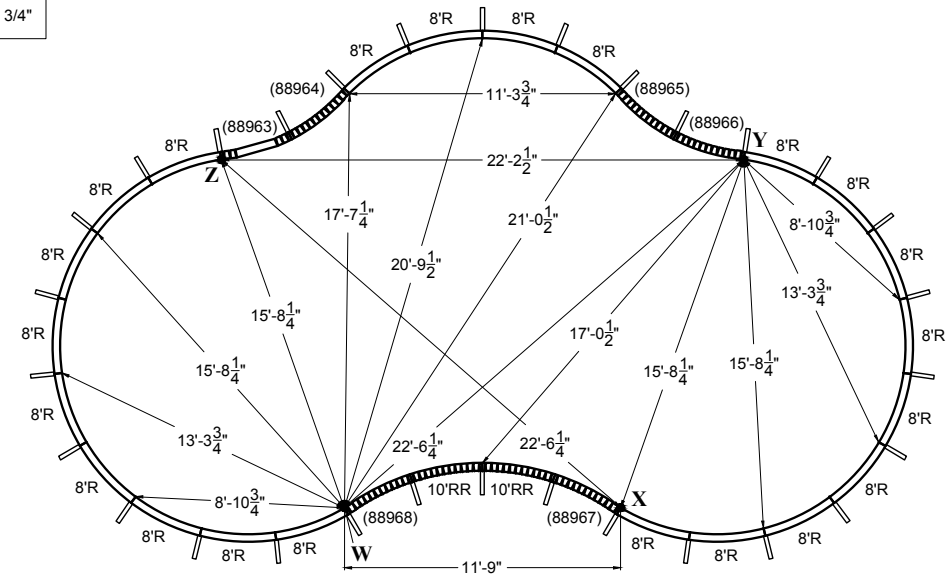
MOUNTAIN LAKE REVERSE VIEW
21' x 35'

POOL SURFACE AREA	547.3 ft ² 50.8 m ²	LINER SQ. FT.	575.0000 ft ²
POOL VOLUME	18550 gal 70200 L	POOL PERIMETER	94'-3" 28.73 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	41'-7 3/4"
2 - 4	



1 - I	30'-10"	2 - I	15'-3 3/4"	3 - I	11'-3 3/4"	4 - I	29'-0 3/4"
1 - J	15'-3 3/4"	2 - J	30'-10"	3 - J	29'-0 3/4"	4 - J	11'-3 3/4"
1 - K	19'-8"	2 - K	19'-8"	3 - K	22'-2 1/2"	4 - K	22'-2 1/2"
1 - L	33'-3 3/4"	2 - L	33'-3 3/4"	3 - L	19'-3 1/4"	4 - L	19'-3 1/4"
1 - M	29'-10 1/2"	2 - M	6'-9 3/4"	3 - M	24'-8 1/4"	4 - M	38'-1 3/4"
1 - N	6'-9 3/4"	2 - N	29'-10 1/2"	3 - N	38'-1 3/4"	4 - N	24'-8 1/4"
1 - W	23'-3 3/4"	2 - W	31'-1"	3 - W	23'-10 1/2"	4 - W	12'-1 3/4"
1 - X	31'-1"	2 - X	23'-3 3/4"	3 - X	12'-1 3/4"	4 - X	23'-10 1/2"
1 - Y	29'-6 1/4"	2 - Y	8'-6 3/4"	3 - Y	17'-4"	4 - Y	33'-1 3/4"
1 - Z	8'-6 3/4"	2 - Z	29'-6 1/4"	3 - Z	33'-1 3/4"	4 - Z	17'-4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

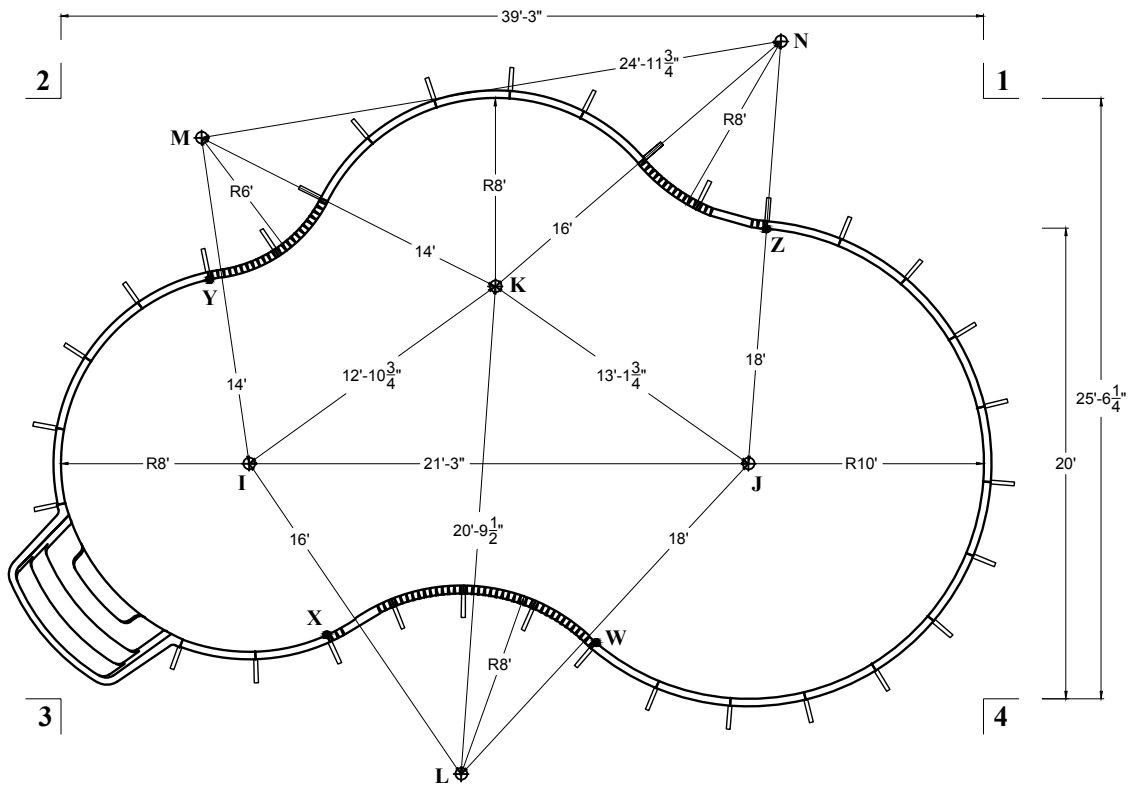
JANUARY
2013

MATRIX
POOL SYSTEM

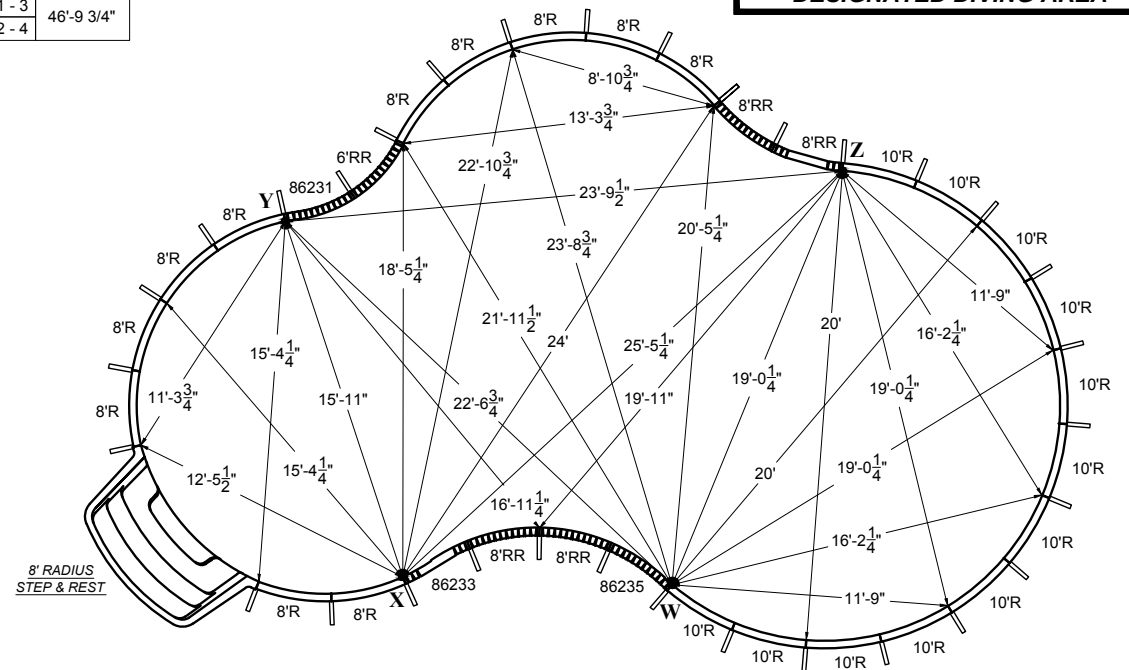
MOUNTAIN LAKE STANDARD VIEW
26' x 39'

POOL SURFACE AREA	685.3 ft ² 63.7 m ²	LINER SQ. FT.	785.00 ft ²
POOL VOLUME	23000 gal 87250 L	POOL PERIMETER	105'-5" 31.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	46'-9 3/4"
2 - 4	



1 - I	34'-10 3/4"	2 - I	17'-5 1/2"	3 - I	12'-9 3/4"	4 - I	32'-9 3/4"
1 - J	18'-5 3/4"	2 - J	33'-1 1/4"	3 - J	30'-10 3/4"	4 - J	14'-1 3/4"
1 - K	22'-3"	2 - K	20'-1 1/2"	3 - K	25'-5 1/2"	4 - K	27'-2"
1 - L	36'-4"	2 - L	33'-4 3/4"	3 - L	17'-3 3/4"	4 - L	22'-5 1/2"
1 - M	33'-3 1/2"	2 - M	6'-2 1/2"	3 - M	24'-7"	4 - M	40'-11"
1 - N	8'-11 1/2"	2 - N	30'-8 1/2"	3 - N	41'-5 1/2"	4 - N	29'-3"
1 - W	28'-5"	2 - W	32'-5 1/2"	3 - W	22'-10 3/4"	4 - W	16'-7 3/4"
1 - X	36'-0 3/4"	2 - X	25'-5 1/2"	3 - X	11'-7 1/2"	4 - X	28'-0 3/4"
1 - Y	33'-9 3/4"	2 - Y	9'-11 1/2"	3 - Y	18'-11"	4 - Y	37'-5 1/4"
1 - Z	10'-9 1/4"	2 - Z	30'-6 1/4"	3 - Z	36'-0 1/2"	4 - Z	22'

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

MOUNTAIN LAKE STANDARD VIEW
26' x 39'

POOL SURFACE AREA	→ 692.3 ft ²	LINER SQ. FT.	→ 797.5000 ft ²
POOL VOLUME	→ 22700 gal	POOL PERIMETER	→ 106'-9"
	85950 L		32.54 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
14 8' RADIUS PANEL	42111
12 10' RADIUS PANEL	42112
2 VERSA-FLEX SKIMMER PANEL	42116S
6 VERSA-FLEX PANEL	42115
10' RADIUS STRAP SET	86273S
8' RADIUS STRAP SET	86200S
6' REVERSE RADIUS STRAP SET	86164S
8' REVERSE RADIUS STRAP SET	86165S
6'RR to 8'R STRAP SET	88975S
8'RR to 10'R STRAP SET	88976S
8'R to 8'RR STRAP SET	88977S
208 PUSH NUTS	09115
34 BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

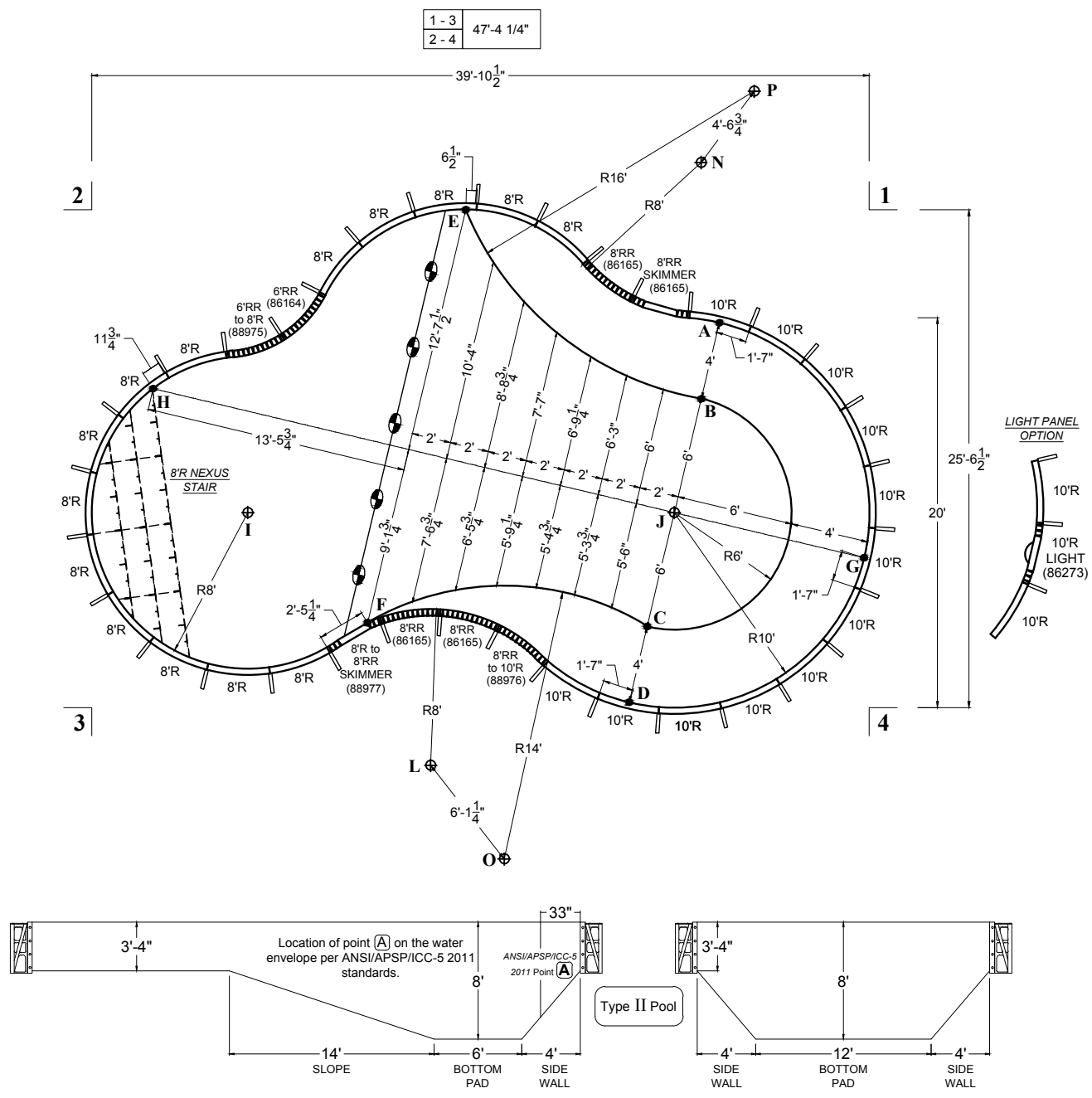
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

2 - A	32'-8 1/2"
2 - B	32'-9"
2 - C	35'-7 1/2"
2 - D	37'-4 3/4"
2 - E	19'-2 1/4"
2 - F	25'-5 3/4"
2 - G	43'-5 1/4"
2 - H	9'-8 1/2"
2 - I	17'-5 3/4"
2 - J	33'-8 1/4"
2 - K	20'-8 3/4"
2 - L	33'-4 1/2"
2 - M	6'-10 1/4"
2 - N	31'-4 1/4"
2 - O	39'-5 1/2"
2 - P	34'-6 1/4"

H - A	29'-2 3/4"
H - B	28'-1 1/2"
H - C	28'-1 1/2"
H - D	29'-2 3/4"
H - E	18'-5 1/2"
H - F	16'-3 1/4"
H - G	37'-5 3/4"
H - I	8'
H - J	27'-5 3/4"
H - K	16'
H - L	24'
H - M	8'-4 1/4"
H - N	30'-4 3/4"
H - O	30'-1 1/4"
H - P	34'-4 3/4"

3 - A	37'-9 1/4"
3 - B	35'-0 3/4"
3 - C	28'-9 1/2"
3 - D	27'-6 3/4"
3 - E	31'-11 1/4"
3 - F	14'-9 3/4"
3 - G	40'-4 1/4"
3 - H	16'-8"
3 - I	12'-9 3/4"
3 - J	31'-6 1/4"
3 - K	25'-11 1/4"
3 - L	17'-7 3/4"
3 - M	24'-10 1/4"
3 - N	41'-11 1/4"
3 - O	22'-6 1/2"
3 - P	46'-5"



1 - A	9'-7 1/2"
1 - B	12'-11 1/2"
1 - C	24'-2 1/2"
1 - D	28'-1 1/4"
1 - E	20'-8 1/4"
1 - F	33'-4"
1 - G	17'-10 1/4"
1 - H	37'-10 1/4"
1 - I	35'-5 1/2"
1 - J	18'-5 3/4"
1 - K	22'-3"
1 - L	36'-3 1/2"
1 - M	33'-3"
1 - N	8'-11 1/2"
1 - O	38'-2 1/4"
1 - P	8'-5 1/2"

G - A	14'-1 3/4"
G - B	11'-8"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	27'-1 1/2"
G - F	25'-8 1/4"
G - H	37'-5 3/4"
G - I	31'-8 1/4"
G - J	10'
G - K	22'-8 3/4"
G - L	24'-7 3/4"
G - M	36'-8 3/4"
G - N	21'-11"
G - O	24'-0 3/4"
G - P	24'-6 3/4"

4 - A	21'-2"
4 - B	18'-0 1/4"
4 - C	12'-1 1/2"
4 - D	12'-3 3/4"
4 - E	32'-10 1/4"
4 - F	26'-1 1/4"
4 - G	7'-8 1/4"
4 - H	40'-2 1/2"
4 - I	33'-4 3/4"
4 - J	14'-1 3/4"
4 - K	27'-2"
4 - L	22'-8 1/4"
4 - M	40'-11 1/4"
4 - N	29'-3"
4 - O	20'-3 1/4"
4 - P	32'-1 3/4"

JANUARY
2013

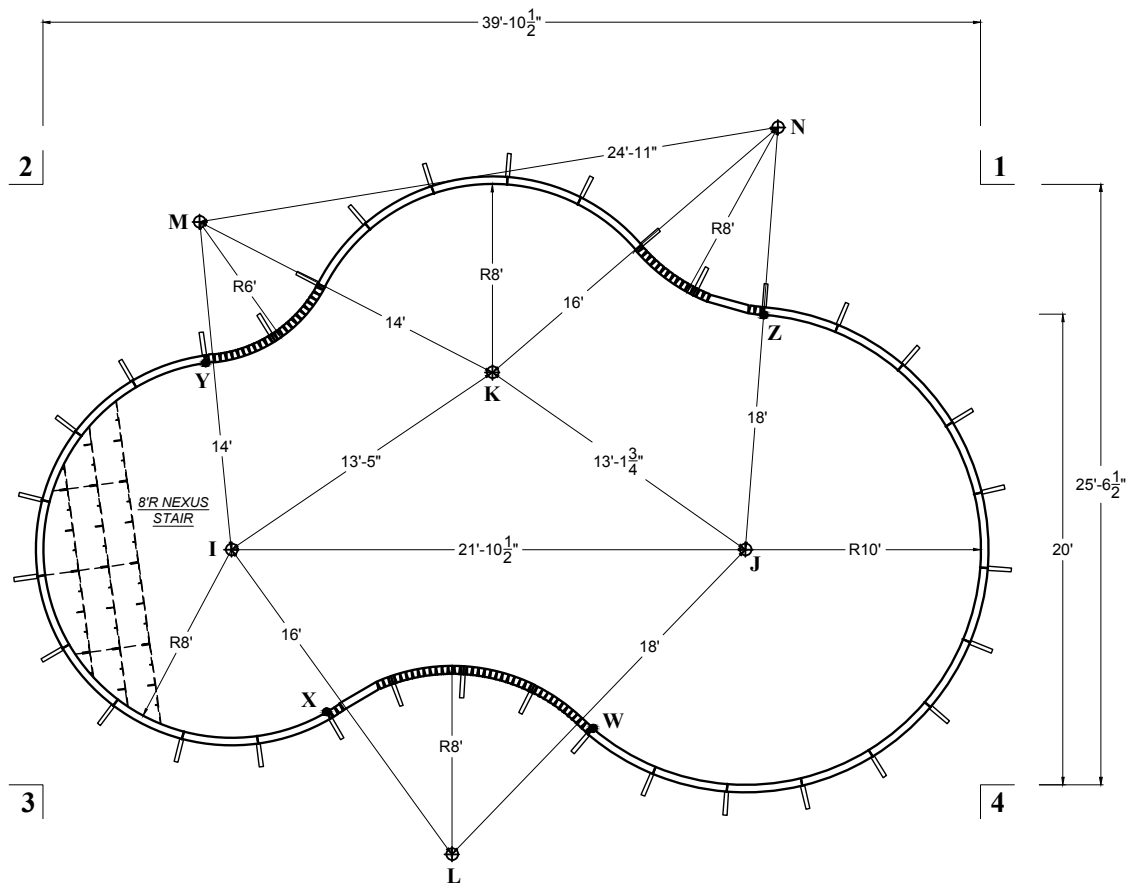
MATRIX
POOL SYSTEM

MOUNTAIN LAKE STANDARD VIEW

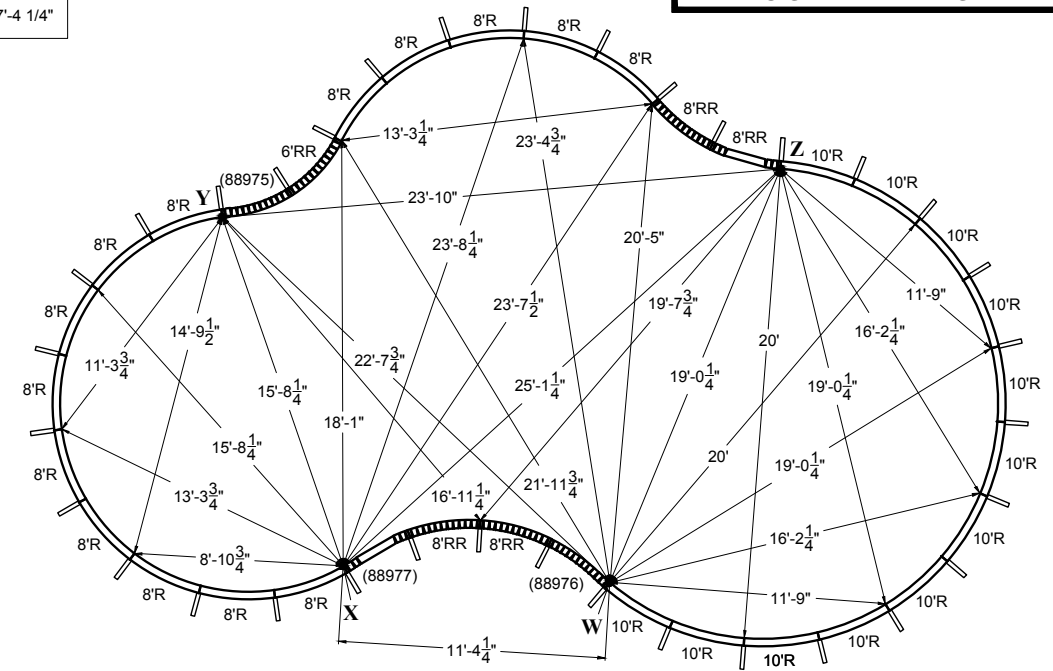
26' x 39'

POOL SURFACE AREA	692.3 ft ² 64.3 m ²	LINER SQ. FT.	797.5000 ft ²
POOL VOLUME	22700 gal 85950 L	POOL PERIMETER	106'-9" 32.54 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	47'-4 1/4"
2 - 4	



1 - I	35'-5 1/2"	2 - I	17'-5 3/4"	3 - I	12'-9 3/4"	4 - I	33'-4 3/4"
1 - J	18'-5 3/4"	2 - J	33'-8 1/4"	3 - J	31'-6 1/4"	4 - J	14'-1 3/4"
1 - K	22'-3"	2 - K	20'-8 3/4"	3 - K	25'-11 1/4"	4 - K	27'-2"
1 - L	36'-3 1/2"	2 - L	33'-4 1/2"	3 - L	17'-7 3/4"	4 - L	22'-8 1/4"
1 - M	33'-3"	2 - M	6'-10 1/4"	3 - M	24'-10 1/4"	4 - M	40'-11 1/4"
1 - N	8'-11 1/2"	2 - N	31'-4 1/4"	3 - N	41'-11 1/4"	4 - N	29'-3"
1 - W	28'-5"	2 - W	32'-11"	3 - W	23'-6 1/4"	4 - W	16'-8"
1 - X	35'-9"	2 - X	25'-5 3/4"	3 - X	12'-5 1/2"	4 - X	28'
1 - Y	33'-10"	2 - Y	10'-3 1/2"	3 - Y	19'-2 1/2"	4 - Y	37'-6 1/4"
1 - Z	10'-9 1/4"	2 - Z	31'-2"	3 - Z	36'-7"	4 - Z	22'

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of different slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

MOUNTAIN LAKE REVERSE VIEW
26' x 39'

POOL SURFACE AREA	685.3 ft ²	LINER SQ. FT.	785.00 ft ²
POOL VOLUME	26500 gal	POOL PERIMETER	105'-5"
	100300 L		31.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
6' REVERSE RADIUS STRAP SET	86164S
8' REVERSE RADIUS STRAP SET	86165S
8' RADIUS STRAP SET	86200S
10' RADIUS STRAP SET	86273S
8'R to 6'RR STRAP SET	86232S
8'RR to 8'R STRAP SET	86234S
10'R to 8'RR STRAP SET	86236S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

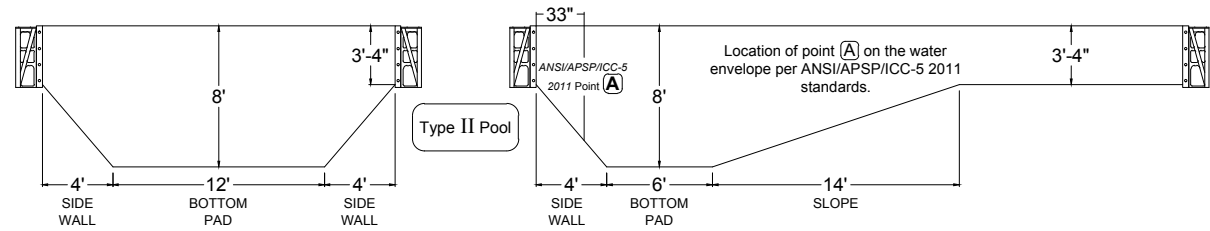
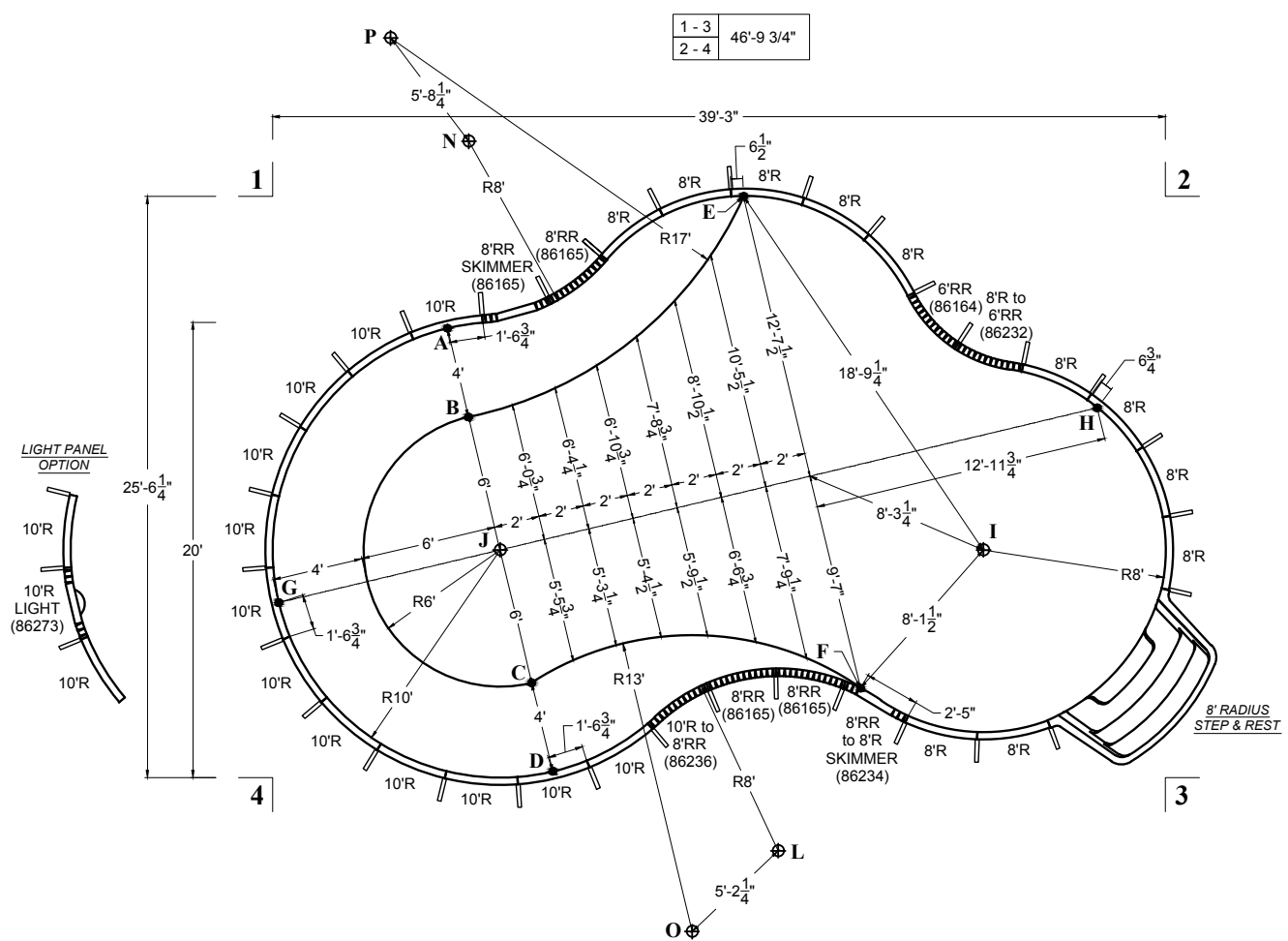
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-7 1/2"
1 - B	12'-11 1/2"
1 - C	24'-2 1/2"
1 - D	28'-1 1/4"
1 - E	20'-8 1/4"
1 - F	33'-8 1/4"
1 - G	17'-10"
1 - H	37'-5"
1 - I	34'-10 3/4"
1 - J	18'-5 3/4"
1 - K	22'-3"
1 - L	36'-4"
1 - M	33'-3 1/2"
1 - N	8'-11 1/2"
1 - O	37'-2 1/4"
1 - P	8'-8 1/4"

G - A	14'-1 3/4"
G - B	11'-8"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	27'-1 1/2"
G - F	25'-10"
G - H	36'-11 3/4"
G - I	31'-0 3/4"
G - J	10'
G - K	22'-8 3/4"
G - L	24'-6"
G - M	36'-8 3/4"
G - N	21'-11"
G - O	23'-2 1/2"
G - P	25'-3 1/2"

4 - A	21'-2"
4 - B	18'-0 1/4"
4 - C	12'-1 1/2"
4 - D	12'-3 3/4"
4 - E	32'-10 1/4"
4 - F	26'-1 1/2"
4 - G	7'-8 1/4"
4 - H	39'-8 1/2"
4 - I	32'-9 3/4"
4 - J	14'-1 3/4"
4 - K	27'-2"
4 - L	22'-5 1/2"
4 - M	40'-11"
4 - N	29'-3"
4 - O	19'-7 1/2"
4 - P	32'-10 3/4"



2 - A	32'-1"
2 - B	32'-1 1/2"
2 - C	35'-1 1/4"
2 - D	36'-11"
2 - E	18'-6 1/2"
2 - F	25'-5"
2 - G	42'-10 1/4"
2 - H	9'-9"
2 - I	17'-5 1/2"
2 - J	33'-1 1/4"
2 - K	20'-1 1/2"
2 - L	33'-4 3/4"
2 - M	6'-2 1/2"
2 - N	30'-8 1/2"
2 - O	38'-5"
2 - P	34'-9"

H - A	28'-9 1/4"
H - B	27'-7 3/4"
H - C	27'-7 3/4"
H - D	28'-9 1/4"
H - E	18'-1 1/4"
H - F	16'-1 1/2"
H - G	36'-11 3/4"
H - I	8'
H - J	26'-11 3/4"
H - K	15'-6 1/4"
H - L	23'-11 3/4"
H - M	8'-2 1/4"
H - N	30'
H - O	29'-1 1/4"
H - P	35'-0 1/2"

3 - A	37'-2 1/2"
3 - B	34'-5 3/4"
3 - C	28'-2"
3 - D	26'-11 1/4"
3 - E	31'-6 1/2"
3 - F	13'-11 1/2"
3 - G	39'-8 3/4"
3 - H	16'-6 1/4"
3 - I	12'-9 3/4"
3 - J	30'-10 3/4"
3 - K	25'-5 1/2"
3 - L	17'-3 3/4"
3 - M	24'-7"
3 - N	41'-5 1/2"
3 - O	21'-10 1/2"
3 - P	47'-0 3/4"

JANUARY
2013

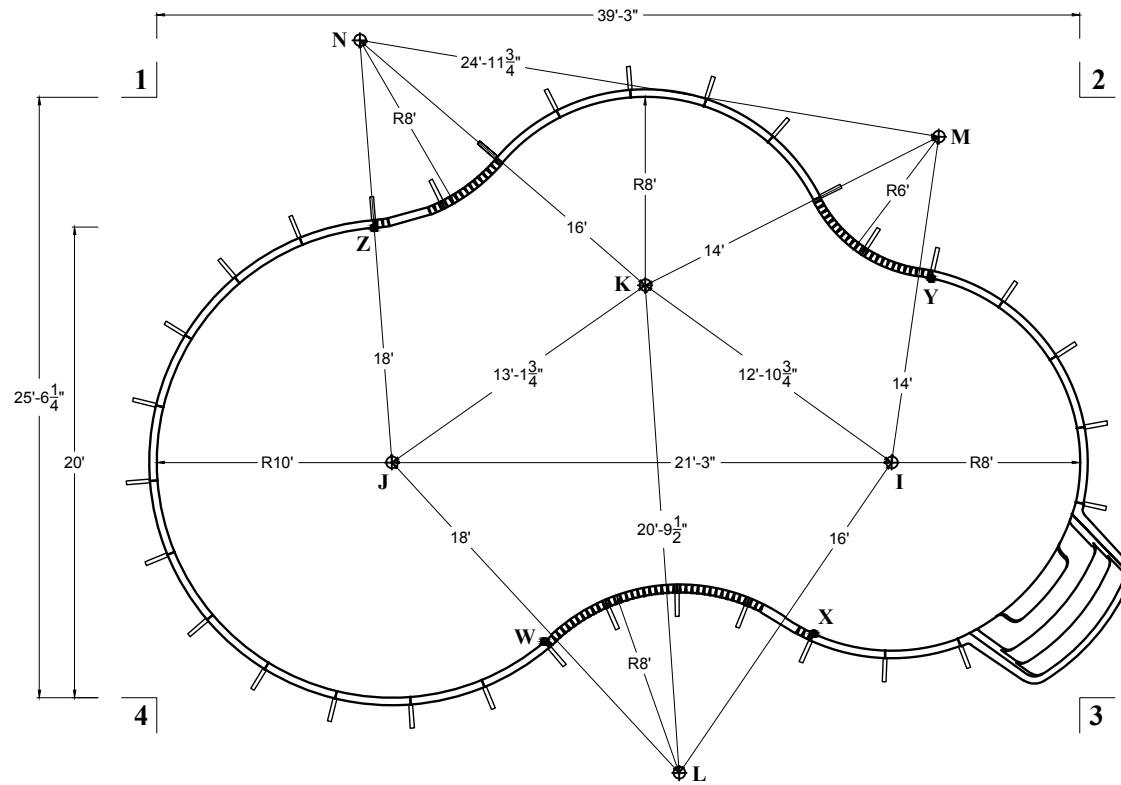
MATRIX
POOL SYSTEM

MOUNTAIN LAKE REVERSE VIEW

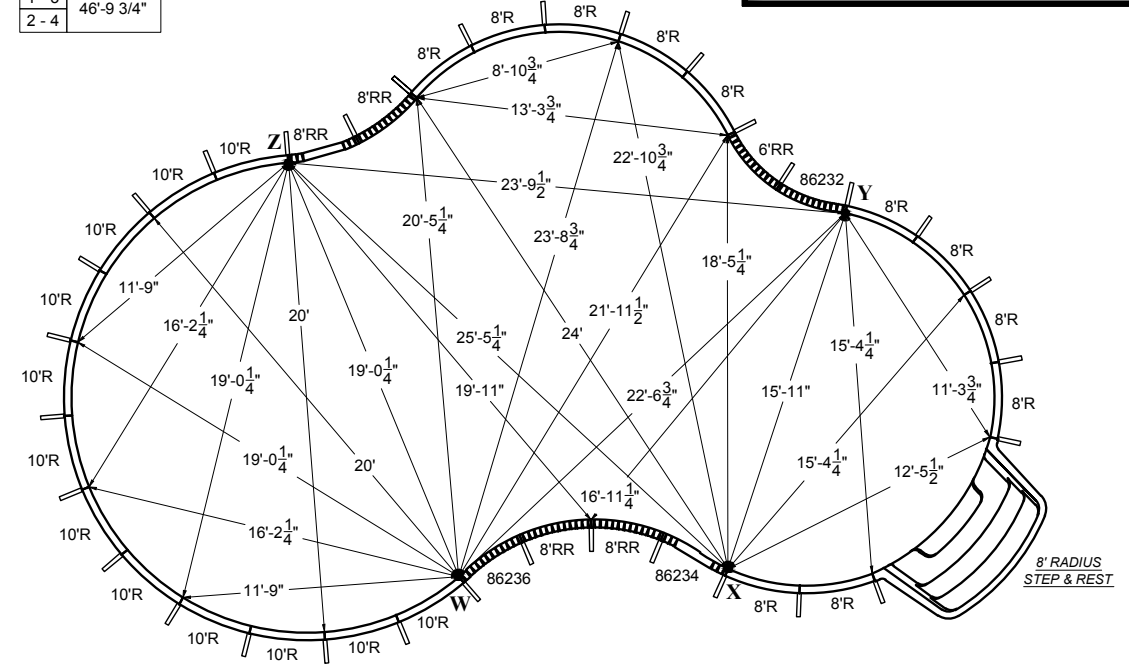
26' x 39'

POOL SURFACE AREA	685.3 ft ² 63.7 m ²	LINER SQ. FT.	785.00 ft ²
POOL VOLUME	26500 gal 100300 L	POOL PERIMETER	105'-5" 31.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	46'-9 3/4"
2 - 4	



1 - I	34'-10 3/4"	2 - I	17'-5 1/2"	3 - I	12'-9 3/4"	4 - I	32'-9 3/4"
1 - J	18'-5 3/4"	2 - J	33'-1 1/4"	3 - J	30'-10 3/4"	4 - J	14'-1 3/4"
1 - K	22'-3"	2 - K	20'-1 1/2"	3 - K	25'-5 1/2"	4 - K	27'-2"
1 - L	36'-4"	2 - L	33'-4 3/4"	3 - L	17'-3 3/4"	4 - L	22'-5 1/2"
1 - M	33'-3 1/2"	2 - M	6'-2 1/2"	3 - M	24'-7"	4 - M	40'-11"
1 - N	8'-11 1/2"	2 - N	30'-8 1/2"	3 - N	41'-5 1/2"	4 - N	29'-3"
1 - W	28'-5"	2 - W	32'-5 1/2"	3 - W	22'-10 3/4"	4 - W	16'-7 3/4"
1 - X	36'-0 3/4"	2 - X	25'-5 1/2"	3 - X	11'-7 1/2"	4 - X	28'-0 3/4"
1 - Y	33'-9 3/4"	2 - Y	9'-11 1/2"	3 - Y	18'-11"	4 - Y	37'-5 1/4"
1 - Z	10'-9 1/4"	2 - Z	30'-6 1/4"	3 - Z	36'-0 1/2"	4 - Z	22'

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

MOUNTAIN LAKE REVERSE VIEW
26' x 39'

POOL SURFACE AREA	692.3 ft ²	LINER SQ. FT.	797.5000 ft ²
POOL VOLUME	22700 gal	POOL PERIMETER	106'-9"
	85950 L		32.54 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
10' RADIUS STRAP SET	86273S
8' RADIUS STRAP SET	86200S
6' REVERSE RADIUS STRAP SET	86164S
8' REVERSE RADIUS STRAP SET	86165S
8'R to 6'RR STRAP SET	88978S
8'RR to 8'R STRAP SET	88979S
10'R to 8'RR STRAP SET	88980S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

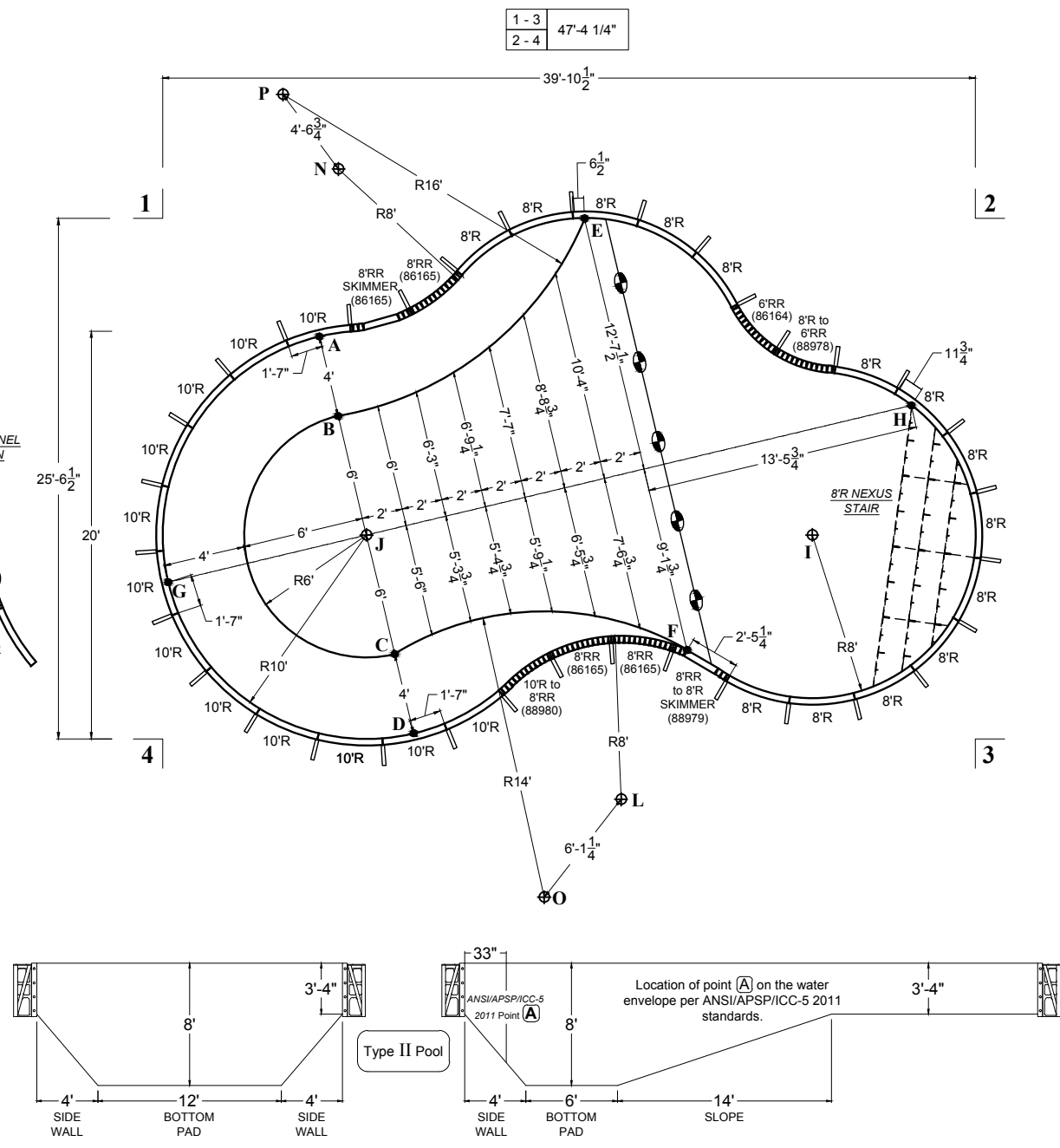
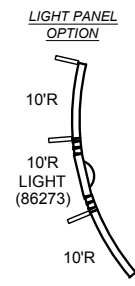
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	9'-7 1/2"
1 - B	12'-11 1/2"
1 - C	24'-2 1/2"
1 - D	28'-1 1/4"
1 - E	20'-8 1/4"
1 - F	33'-4"
1 - G	17'-10 1/4"
1 - H	37'-10 1/4"
1 - I	35'-5 1/2"
1 - J	18'-5 3/4"
1 - K	22'-3"
1 - L	36'-3 1/2"
1 - M	33'-3"
1 - N	8'-11 1/2"
1 - O	38'-2 1/4"
1 - P	8'-5 1/2"

G - A	14'-1 3/4"
G - B	11'-8"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	27'-1 1/2"
G - F	25'-8 1/4"
G - H	37'-5 3/4"
G - I	31'-8 1/4"
G - J	10'
G - K	22'-8 3/4"
G - L	24'-7 3/4"
G - M	36'-8 3/4"
G - N	21'-11"
G - O	24'-0 3/4"
G - P	24'-6 3/4"

4 - A	21'-2"
4 - B	18'-0 1/4"
4 - C	12'-1 1/2"
4 - D	12'-3 3/4"
4 - E	32'-10 1/4"
4 - F	26'-1 1/4"
4 - G	7'-8 1/4"
4 - H	40'-2 1/2"
4 - I	33'-4 3/4"
4 - J	14'-1 3/4"
4 - K	27'-2"
4 - L	22'-8 1/4"
4 - M	40'-11 1/4"
4 - N	29'-3"
4 - O	20'-3 1/4"
4 - P	32'-1 3/4"



2 - A	32'-8 1/2"
2 - B	32'-9"
2 - C	35'-7 1/2"
2 - D	37'-4 3/4"
2 - E	19'-2 1/4"
2 - F	25'-5 3/4"
2 - G	43'-5 1/4"
2 - H	9'-8 1/2"
2 - I	17'-5 3/4"
2 - J	33'-8 1/4"
2 - K	20'-8 3/4"
2 - L	33'-4 1/2"
2 - M	6'-10 1/4"
2 - N	31'-4 1/4"
2 - O	39'-5 1/2"
2 - P	34'-6 1/4"

H - A	29'-2 3/4"
H - B	28'-1 1/2"
H - C	28'-1 1/2"
H - D	29'-2 3/4"
H - E	18'-5 1/2"
H - F	16'-3 1/4"
H - G	37'-5 3/4"
H - I	8'
H - J	27'-5 3/4"
H - K	16'
H - L	24'
H - M	8'-4 1/4"
H - N	30'-4 3/4"
H - O	30'-1 1/4"
H - P	34'-4 3/4"

3 - A	37'-9 1/4"
3 - B	35'-0 3/4"
3 - C	28'-9 1/2"
3 - D	27'-6 3/4"
3 - E	31'-11 1/4"
3 - F	14'-9 3/4"
3 - G	40'-4 1/4"
3 - H	16'-8"
3 - I	12'-9 3/4"
3 - J	31'-6 1/4"
3 - K	25'-11 1/4"
3 - L	17'-7 3/4"
3 - M	24'-10 1/4"
3 - N	41'-11 1/4"
3 - O	22'-6 1/2"
3 - P	46'-5"

LAGOON LEFT
16' x 34' x 25'

POOL SURFACE AREA	572.6 ft ²	LINER SQ. FT.	670.2917 ft ²
POOL VOLUME	16200 gal	POOL PERIMETER	102'-5"
	61300 L		31.21 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
13 VERSA-FLEX PANEL	42115
4 7' RADIUS STRAP SET	86157S
8' RADIUS STRAP SET	86200S
3 6' REVERSE RADIUS STRAP SET	86164S
2 8' REVERSE RADIUS STRAP SET	86165S
1 6'RR to 7' R STRAP SET	86237S
1 8'RR to 8' R STRAP SET	86239S
1 8' R to 8'RR STRAP SET	86241S
1 8'RR to 8' R STRAP SET	86243S
1 7' R to 8'RR STRAP SET	86245S
364 PUSH NUTS	09115
31 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

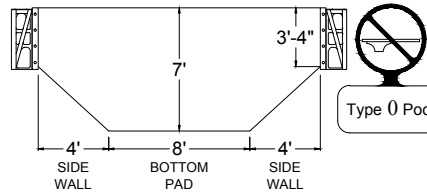
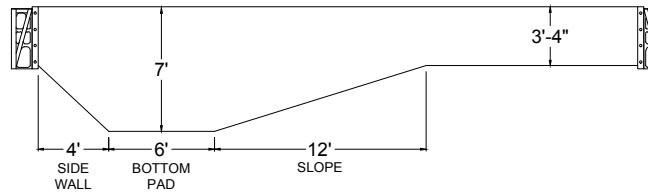
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

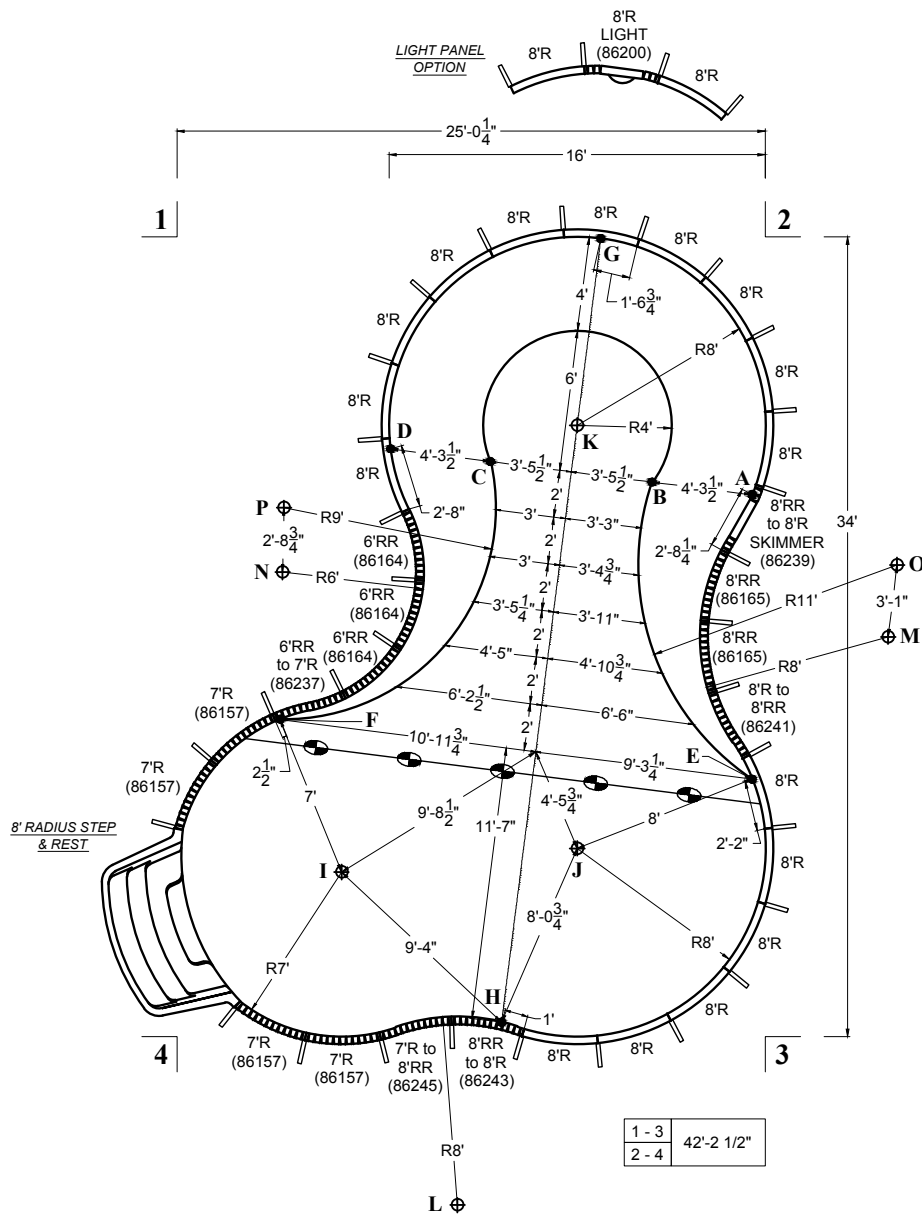
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

1 - A	26'-9 1/2"	2 - A	10'-11 3/4"	3 - A	23'-0 1/2"	4 - A	33'-7 1/4"
1 - B	22'-8 3/4"	2 - B	11'-5 3/4"	3 - B	24'-0 3/4"	4 - B	31'-0 3/4"
1 - C	16'-4 3/4"	2 - C	15'-1"	3 - C	27'-1 1/4"	4 - C	27'-10 1/4"
1 - D	12'-9 1/2"	2 - D	18'-3 3/4"	3 - D	29'-7 3/4"	4 - D	26'-7"
1 - E	33'-7 1/4"	2 - E	23'-0 3/4"	3 - E	10'-11 1/2"	4 - E	26'-9 1/2"
1 - F	20'-11 3/4"	2 - F	29'-1 1/4"	3 - F	24'-8"	4 - F	14'-2 1/4"
1 - G	18'-0 1/4"	2 - G	7"	3 - G	34'-7 3/4"	4 - G	38'-5 1/4"
1 - H	36'-1 1/2"	2 - H	35'-2 3/4"	3 - H	11'-2 3/4"	4 - H	13'-9 3/4"
1 - I	27'-10 3/4"	2 - I	32'-5 1/2"	3 - I	19'-4"	4 - I	9'-10 3/4"
1 - J	31'-1"	2 - J	27'-2 1/2"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-2 1/2"	4 - K	31'-1"
1 - L	42'-10 1/4"	2 - L	43'-2 1/2"	3 - L	14'-11"	4 - L	13'-11"
1 - M	34'-8 1/2"	2 - M	17'-9 1/2"	3 - M	17'-9 1/2"	4 - M	34'-8 1/2"
1 - N	14'-5"	2 - N	28'-10 1/2"	3 - N	31'-9 1/4"	4 - N	19'-7"
1 - O	33'-7 3/4"	2 - O	15'-0 1/4"	3 - O	20'-9 3/4"	4 - O	36'-7 1/4"
1 - P	12'-4 1/2"	2 - P	23'-5 3/4"	3 - P	30'-5"	4 - P	22'-11 1/4"



G - A	12'-7 3/4"	H - A	24'-10"
G - B	10'-7"	H - B	23'-10 1/4"
G - C	10'-7"	H - C	23'-10 1/4"
G - D	12'-7 3/4"	H - D	24'-10"
G - E	23'-10 1/2"	H - E	14'-10 1/4"
G - F	24'-7"	H - F	15'-11 1/2"
G - H	33'-7"	H - G	33'-7"
G - I	29'-1 1/4"	H - I	9'-4"
G - J	25'-11 1/2"	H - J	8'-0 3/4"
G - K	8"	H - K	25'-7"
G - L	41'-6 3/4"	H - L	8"
G - M	20'-10 3/4"	H - M	23'-2 3/4"
G - N	19'-7 1/4"	H - N	21'-3 1/2"
G - O	18'-9"	H - O	25'-8 1/2"
G - P	17'-8 1/4"	H - P	23'-9"

1 - 3	42'-2 1/2"
2 - 4	



JANUARY
2013

MATRIX
POOL SYSTEM

LAGOON LEFT
16' x 34' x 25'

POOL SURFACE AREA	572.6 ft ² 53.2 m ²	LINER SQ. FT.	670.2917 ft ²
POOL VOLUME	16200 gal 61300 L	POOL PERIMETER	102'-5" 31.21 m

NO DIVING ALLOWED IN THIS POOL

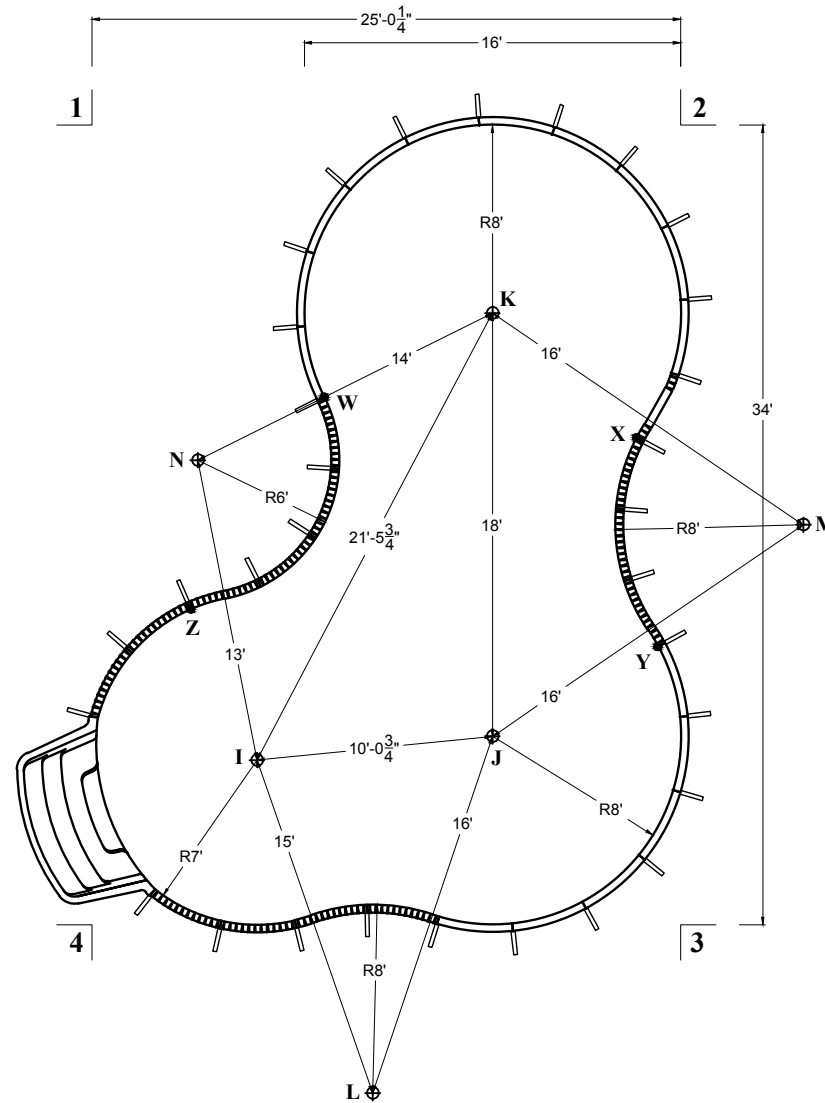
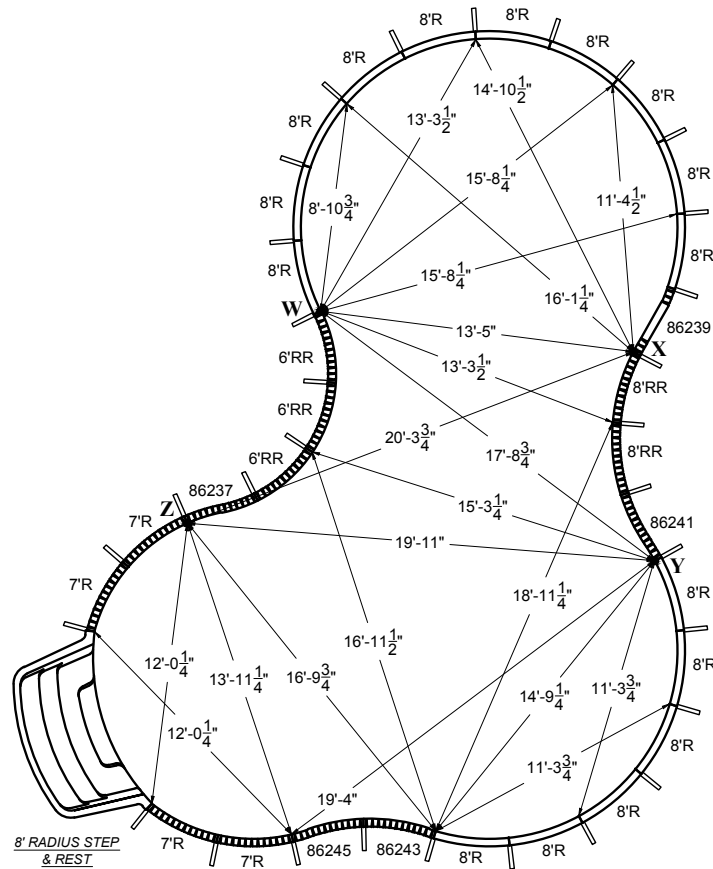
1 - 3	42'-2 1/2"
2 - 4	

1 - I	27'-10 3/4"
1 - J	31'-1"
1 - K	18'-9 3/4"
1 - L	42'-10 1/4"
1 - M	34'-8 1/2"
1 - N	14'-5"
1 - W	15'-2 1/2"
1 - X	26'-8 1/2"
1 - Y	32'-8 3/4"
1 - Z	21'

2 - I	32'-5 1/2"
2 - J	27'-2 1/2"
2 - K	11'-3 3/4"
2 - L	43'-2 1/2"
2 - M	17'-9 1/2"
2 - N	28'-10 1/2"
2 - W	19'-0 3/4"
2 - X	13'-5 1/4"
2 - Y	22'-2 1/2"
2 - Z	29'-3 1/2"

3 - I	19'-4"
3 - J	11'-3 3/4"
3 - K	27'-2 1/2"
3 - L	14'-11"
3 - M	17'-9 1/2"
3 - N	31'-9 1/4"
3 - W	27'-1"
3 - X	20'-9 1/4"
3 - Y	11'-10 1/4"
3 - Z	24'-9 1/4"

4 - I	9'-10 3/4"
4 - J	18'-9 3/4"
4 - K	31'-1"
4 - L	13'-11"
4 - M	34'-8 1/2"
4 - N	19'-7"
4 - W	24'-6"
4 - X	31'-0 3/4"
4 - Y	26'-9 1/2"
4 - Z	14'-0 3/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

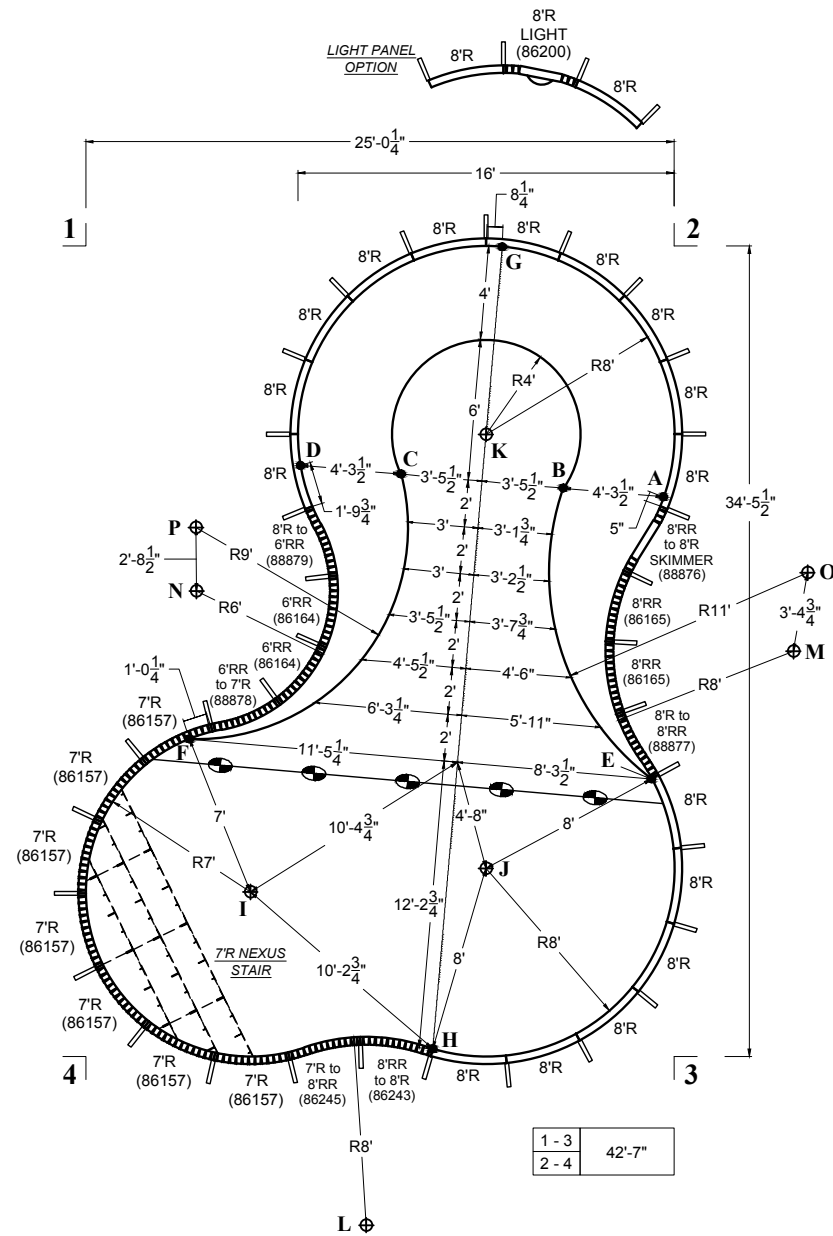
LAGOON LEFT
16' x 34' x 25'

POOL SURFACE AREA	→	575.8 ft ²	LINER SQ. FT.	→	677.6240 ft ²
		53.5 m ²			
POOL VOLUME	→	16450 gal	POOL PERIMETER	→	103'-8"
		62250 L			31.60 m

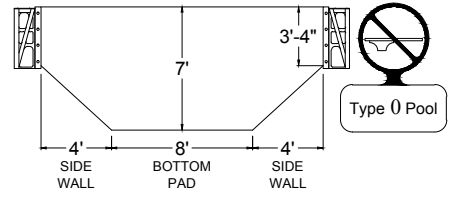
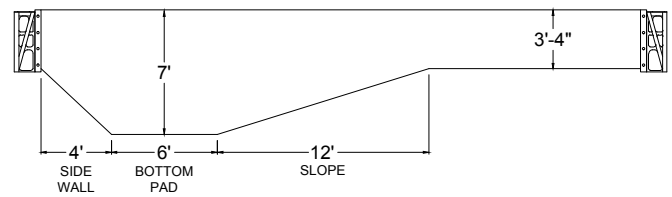
NO DIVING ALLOWED IN THIS POOL

	ITEM DESCRIPTION	PART #
	8' RADIUS PANEL	42111
16	VERS-A-FLEX SKIMMER PANEL	42116S
	VERS-A-FLEX PANEL	42115
7	7' RADIUS STRAP SET	86157S
	8' RADIUS STRAP SET	86200S
2	6' REVERSE RADIUS STRAP SET	86164S
2	8' REVERSE RADIUS STRAP SET	86165S
1	8'RR to 8'R STRAP SET	86243S
1	7'R to 8'RR STRAP SET	86245S
1	8'RR to 8'R STRAP SET	88876S
1	8'RR to 8'RR STRAP SET	88877S
1	6'RR to 7'R STRAP SET	88878S
1	8'R to 6'RR STRAP SET	88879S
442	PUSH NUTS	09115
33	BRACE SYSTEM COMPLETE	42146
1	7' RADIUS NEXUS STAIR	NSS002
	CHANNEL-LOC SONOTUBE	86151
	VERS-A-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.



1 - A	26'-9 1/4"	2 - A	10'-8"	3 - A	23'-9 3/4"	4 - A	34'-2 1/2"
1 - B	22'-9"	2 - B	11'-4"	3 - B	24'-7 1/2"	4 - B	31'-6 3/4"
1 - C	16'-6 1/2"	2 - C	15'-1 1/2"	3 - C	27'-4 1/4"	4 - C	28'-2"
1 - D	13'-0 1/2"	2 - D	18'-5"	3 - D	29'-8 3/4"	4 - D	26'-9"
1 - E	33'-0 1/2"	2 - E	22'-8"	3 - E	11'-10 1/4"	4 - E	26'-9 1/2"
1 - F	21'-5"	2 - F	29'-4 3/4"	3 - F	24'-7 3/4"	4 - F	14'-2 1/2"
1 - G	17'-8 1/2"	2 - G	7'-3 3/4"	3 - G	35'-2 1/2"	4 - G	38'-8 3/4"
1 - H	37'-2 1/4"	2 - H	35'-7 3/4"	3 - H	10'-3 1/4"	4 - H	14'-9"
1 - I	28'-4"	2 - I	32'-10 1/4"	3 - I	19'-4"	4 - I	9'-10 3/4"
1 - J	31'-5 1/2"	2 - J	27'-7 3/4"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-7 3/4"	4 - K	31'-5 1/2"
1 - L	43'-3 3/4"	2 - L	43'-7 3/4"	3 - L	14'-11"	4 - L	13'-11"
1 - M	34'-8"	2 - M	17'-11 1/2"	3 - M	17'-11 1/2"	4 - M	34'-8"
1 - N	15'-4 3/4"	2 - N	25'-0 3/4"	3 - N	28'-4 1/4"	4 - N	20'-4 1/4"
1 - O	33'-8 1/4"	2 - O	15'	3 - O	21'-4"	4 - O	36'-11 1/2"
1 - P	12'-10 1/4"	2 - P	23'-7"	3 - P	30'-4"	4 - P	22'-11 3/4"



G - A	12'-7 3/4"	H - A	25'-5 1/4"
G - B	10'-7"	H - B	24'-5 3/4"
G - C	10'-7"	H - C	24'-5 3/4"
G - D	12'-7 3/4"	H - D	25'-5 1/4"
G - E	23'-5 3/4"	H - E	14'-9 1/4"
G - F	24'-9 1/2"	H - F	16'-9"
G - H	34'-2 3/4"	H - G	18'-11 3/4"
G - I	29'-5 1/2"	H - I	10'-2 3/4"
G - J	26'-5 1/4"	H - J	8'
G - K	8'-0 1/4"	H - K	26'-2 1/2"
G - L	42'	H - L	8'-0 1/4"
G - M	21'-2 1/4"	H - M	22'-9 3/4"
G - N	19'-7"	H - N	21'-11"
G - O	18'-11 3/4"	H - O	25'-9 1/4"
G - P	17'-8"	H - P	24'-4 1/4"

1 - 3
2 - 4
42'-7"

JANUARY
2013

MATRIX
POOL SYSTEM

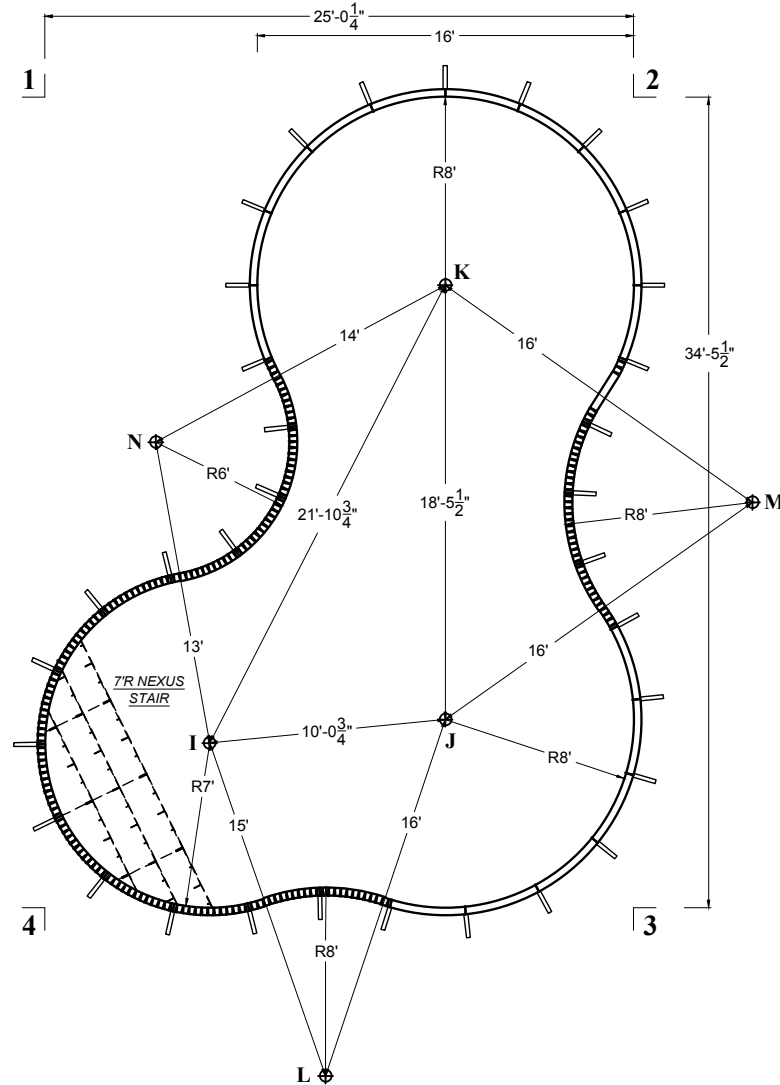
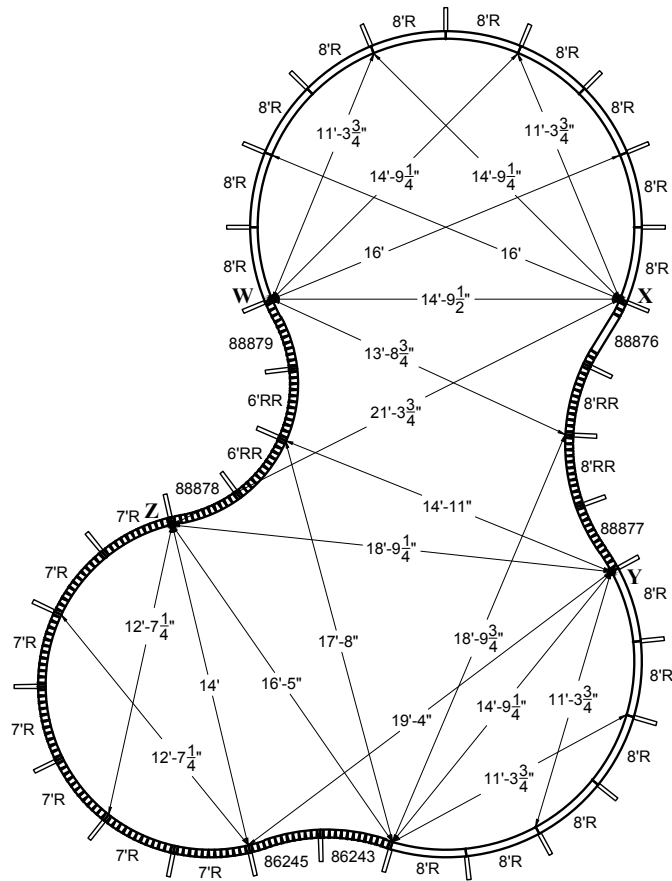
LAGOON LEFT
16' x 34' x 25'

POOL SURFACE AREA	575.8 ft ² 53.5 m ²	LINER SQ. FT.	677.6240 ft ²
POOL VOLUME	16450 gal 62250 L	POOL PERIMETER	103'-8" 31.60 m

NO DIVING ALLOWED IN THIS POOL

1 - 3	42'-7"
2 - 4	

1 - I	28'-4"	2 - I	32'-10 1/4"	3 - I	19'-4"	4 - I	9'-10 3/4"
1 - J	31'-5 1/2"	2 - J	27'-7 3/4"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-7 3/4"	4 - K	31'-5 1/2"
1 - L	43'-3 3/4"	2 - L	43'-7 3/4"	3 - L	14'-11"	4 - L	13'-11"
1 - M	34'-8"	2 - M	17'-11 1/2"	3 - M	17'-11 1/2"	4 - M	34'-8"
1 - N	15'-4 3/4"	2 - N	25'-0 3/4"	3 - N	28'-4 1/4"	4 - N	20'-4 1/4"
1 - W	14'-8"	2 - W	18'-11 1/2"	3 - W	28'-0 1/4"	4 - W	25'-3 3/4"
1 - X	26'-9 1/2"	2 - X	11'-0 3/4"	3 - X	23'-5"	4 - X	33'-9 3/4"
1 - Y	33'-0 1/2"	2 - Y	22'-8"	3 - Y	11'-10 1/4"	4 - Y	26'-9 1/2"
1 - Z	21'-4"	2 - Z	28'-6"	3 - Z	24'	4 - Z	14'-9 3/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

LAGOON RIGHT
16' x 34' x 25'

POOL SURFACE AREA	→ 572.6 ft ²	LINER SQ. FT.	→ 670.2917 ft ²
POOL VOLUME	→ 16200 gal	POOL PERIMETER	→ 102'-5"
	61300 L		31.21 m

NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS STEP	
16 8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
13 VERSA-FLEX PANEL	42115
4 7' RADIUS STRAP SET	86157S
8' RADIUS STRAP SET	86200S
3 6' REVERSE RADIUS STRAP SET	86164S
2 8' REVERSE RADIUS STRAP SET	86165S
1 7'R to 6'RR STRAP SET	86238S
1 8'R to 8'RR STRAP SET	86240S
1 8'RR to 8'R STRAP SET	86242S
1 8'R to 8'RR STRAP SET	86244S
1 8'RR to 7'R STRAP SET	86246S
364 PUSH NUTS	09115
31 BRACE SYSTEM COMPLETE	42146
1 8' RADIUS STEP & REST	07418RSNR
12* 3/8"-16X HEX WASHER HEAD BOLT	148838
12* 3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

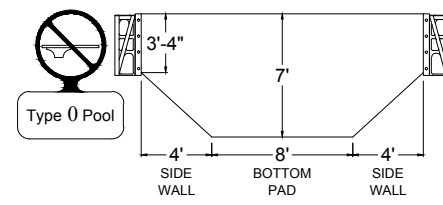
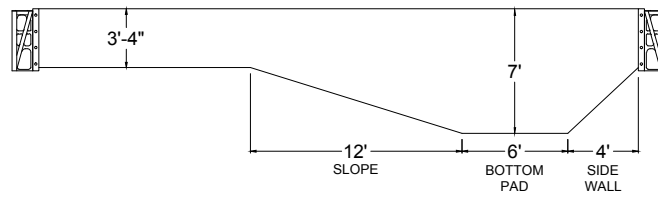
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

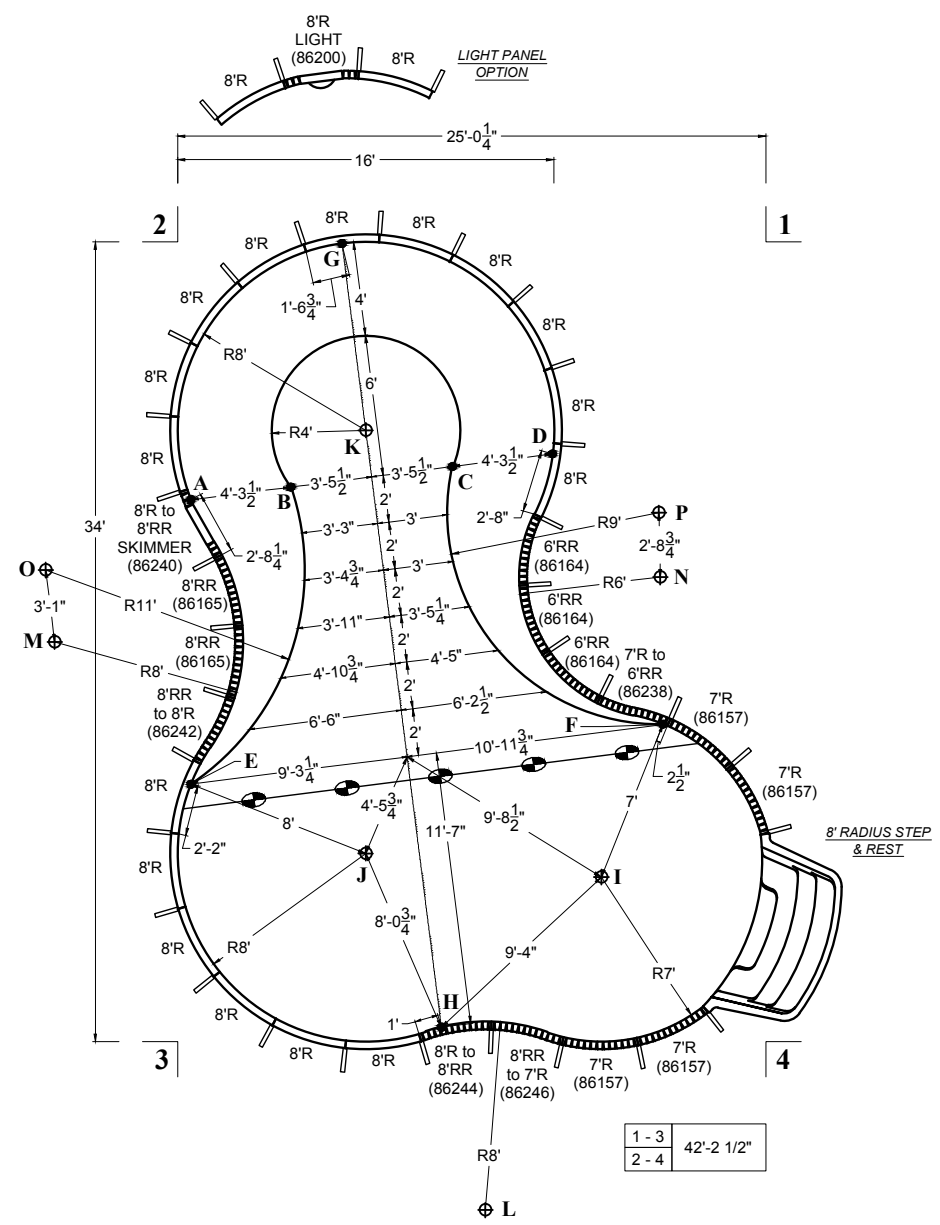
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

1 - A	26'-9 1/2"	2 - A	10'-11 3/4"	3 - A	23'-0 1/2"	4 - A	33'-7 1/4"
1 - B	22'-8 3/4"	2 - B	11'-5 3/4"	3 - B	24'-0 3/4"	4 - B	31'-0 3/4"
1 - C	16'-4 3/4"	2 - C	15'-1"	3 - C	27'-1 1/4"	4 - C	27'-10 1/4"
1 - D	12'-9 1/2"	2 - D	18'-3 3/4"	3 - D	29'-7 3/4"	4 - D	26'-7"
1 - E	33'-7 1/4"	2 - E	23'-0 3/4"	3 - E	10'-11 1/2"	4 - E	26'-9 1/2"
1 - F	20'-11 3/4"	2 - F	29'-1 1/4"	3 - F	24'-8"	4 - F	31'-2 1/4"
1 - G	18'-0 1/4"	2 - G	7"	3 - G	34'-7 3/4"	4 - G	38'-5 1/4"
1 - H	36'-1 1/2"	2 - H	35'-2 3/4"	3 - H	11'-2 3/4"	4 - H	13'-9 3/4"
1 - I	27'-10 3/4"	2 - I	32'-5 1/2"	3 - I	19'-4"	4 - I	9'-10 3/4"
1 - J	31'-1"	2 - J	27'-2 1/2"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-2 1/2"	4 - K	31'-1"
1 - L	42'-10 1/4"	2 - L	43'-2 1/2"	3 - L	14'-11"	4 - L	13'-11"
1 - M	34'-8 1/2"	2 - M	17'-9 1/2"	3 - M	17'-9 1/2"	4 - M	34'-8 1/2"
1 - N	14'-5"	2 - N	28'-10 1/2"	3 - N	31'-9 1/4"	4 - N	19'-7"
1 - O	33'-7 3/4"	2 - O	15'-0 1/4"	3 - O	20'-9 3/4"	4 - O	36'-7 1/4"
1 - P	12'-4 1/2"	2 - P	23'-5 3/4"	3 - P	30'-5"	4 - P	22'-11 1/4"



G - A	12'-7 3/4"	H - A	24'-10"
G - B	10'-7"	H - B	23'-10 1/4"
G - C	10'-7"	H - C	23'-10 1/4"
G - D	12'-7 3/4"	H - D	24'-10"
G - E	23'-10 1/2"	H - E	14'-10 1/4"
G - F	24'-7"	H - F	15'-11 1/2"
G - H	33'-7"	H - G	33'-7"
G - I	29'-1 1/4"	H - I	9'-4"
G - J	25'-11 1/2"	H - J	8'-0 3/4"
G - K	8"	H - K	25'-7"
G - L	41'-6 3/4"	H - L	8"
G - M	20'-10 3/4"	H - M	23'-2 3/4"
G - N	19'-7 1/4"	H - N	21'-3 1/2"
G - O	18'-9"	H - O	25'-8 1/2"
G - P	17'-8 1/4"	H - P	23'-9"

1 - 3	42'-2 1/2"
2 - 4	



JANUARY
2013

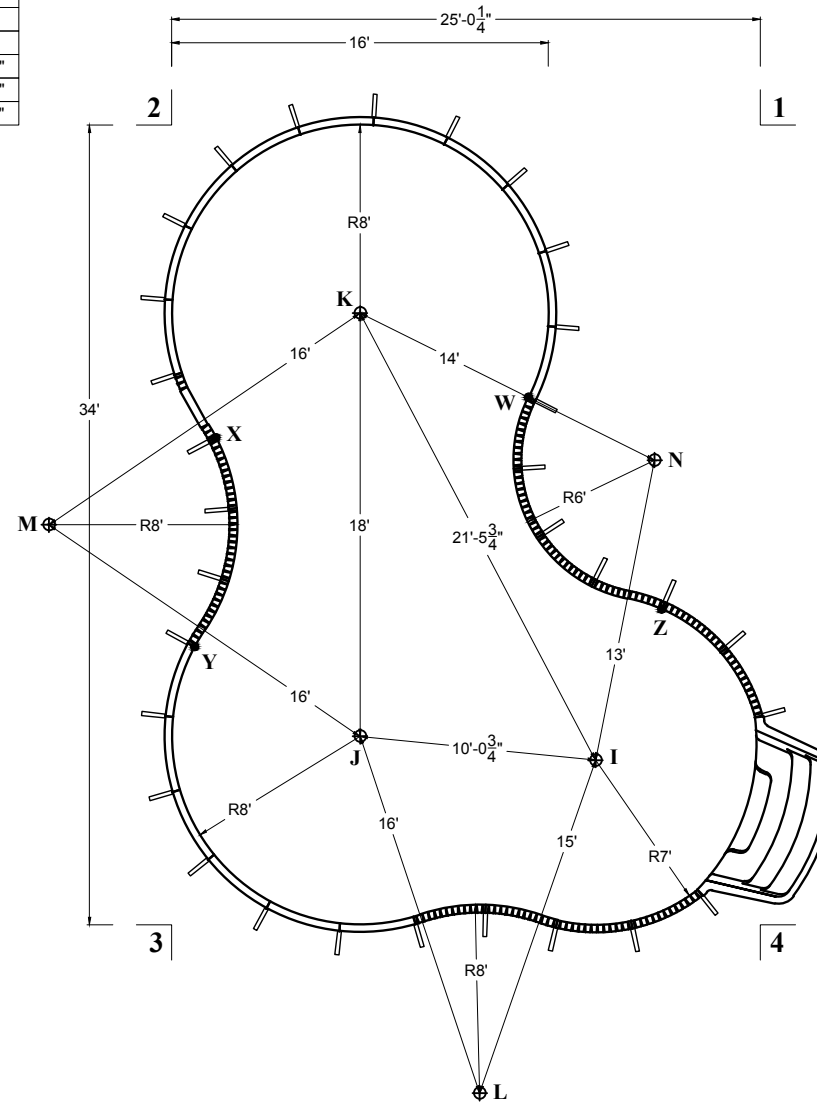
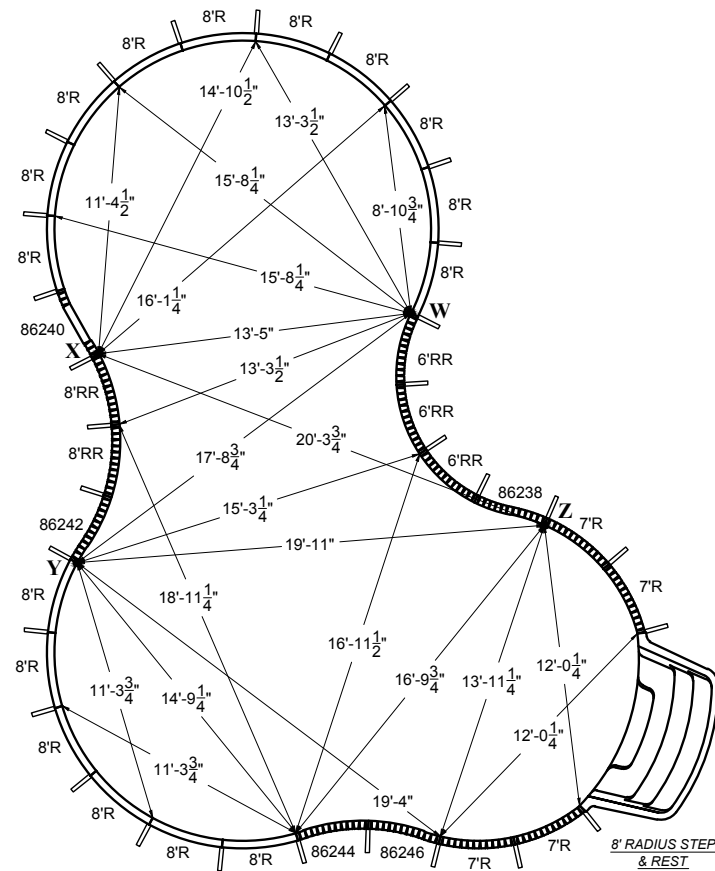
MATRIX
POOL SYSTEM

LAGOON RIGHT
16' x 34' x 25'

POOL SURFACE AREA	572.6 ft ² 53.2 m ²	LINER SQ. FT.	670.2917 ft ²
POOL VOLUME	16200 gal 61300 L	POOL PERIMETER	102'-5" 31.21 m

NO DIVING ALLOWED IN THIS POOL

1 - 3	42'-2 1/2"	1 - I	27'-10 3/4"	2 - I	32'-5 1/2"	3 - I	19'-4"	4 - I	9'-10 3/4"
2 - 4		1 - J	31'-1"	2 - J	27'-2 1/2"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
		1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-2 1/2"	4 - K	31'-1"
		1 - L	42'-10 1/4"	2 - L	43'-2 1/2"	3 - L	14'-11"	4 - L	13'-11"
		1 - M	34'-8 1/2"	2 - M	17'-9 1/2"	3 - M	17'-9 1/2"	4 - M	34'-8 1/2"
		1 - N	14'-5"	2 - N	28'-10 1/2"	3 - N	31'-9 1/4"	4 - N	19'-7"
		1 - W	15'-2 1/2"	2 - W	19'-0 3/4"	3 - W	27'-1"	4 - W	24'-6"
		1 - X	26'-8 1/2"	2 - X	13'-5 1/4"	3 - X	20'-9 1/4"	4 - X	31'-0 3/4"
		1 - Y	32'-8 3/4"	2 - Y	22'-2 1/2"	3 - Y	11'-10 1/4"	4 - Y	26'-9 1/2"
		1 - Z	21'	2 - Z	29'-3 1/2"	3 - Z	24'-9 1/4"	4 - Z	14'-0 3/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

LAGOON RIGHT
16' x 34' x 25'

POOL SURFACE AREA	575.8 ft ²	LINER SQ. FT.	677.6240 ft ²
POOL VOLUME	16450 gal	POOL PERIMETER	103'-8"
	62250 L		31.60 m

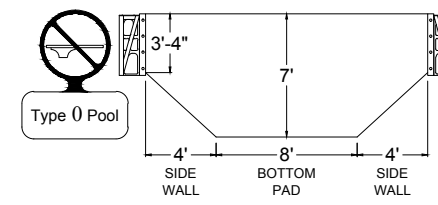
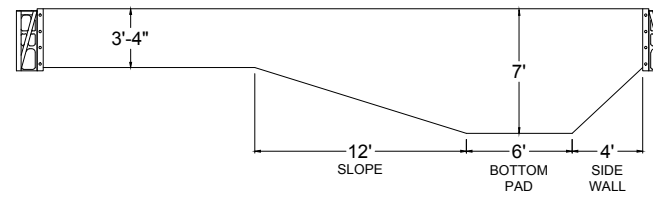
NO DIVING ALLOWED IN THIS POOL

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
1 VERSA-FLEX SKIMMER PANEL	42116S
16 VERSA-FLEX PANEL	42115
7 7' RADIUS STRAP SET	86157S
8' RADIUS STRAP SET	86200S
2 6' REVERSE RADIUS STRAP SET	86164S
2 8' REVERSE RADIUS STRAP SET	86165S
1 8'R to 8'RR STRAP SET	86244S
1 8'RR to 7'R STRAP SET	86246S
1 6'RR to 8'R STRAP SET	88880S
1 7'R to 6'RR STRAP SET	88881S
1 8'RR to 8'R STRAP SET	88882S
1 8'R to 8'RR STRAP SET	88883S
442 PUSH NUTS	09115
33 BRACE SYSTEM COMPLETE	42146
1 7' RADIUS NEXUS STAIR	NSS002
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

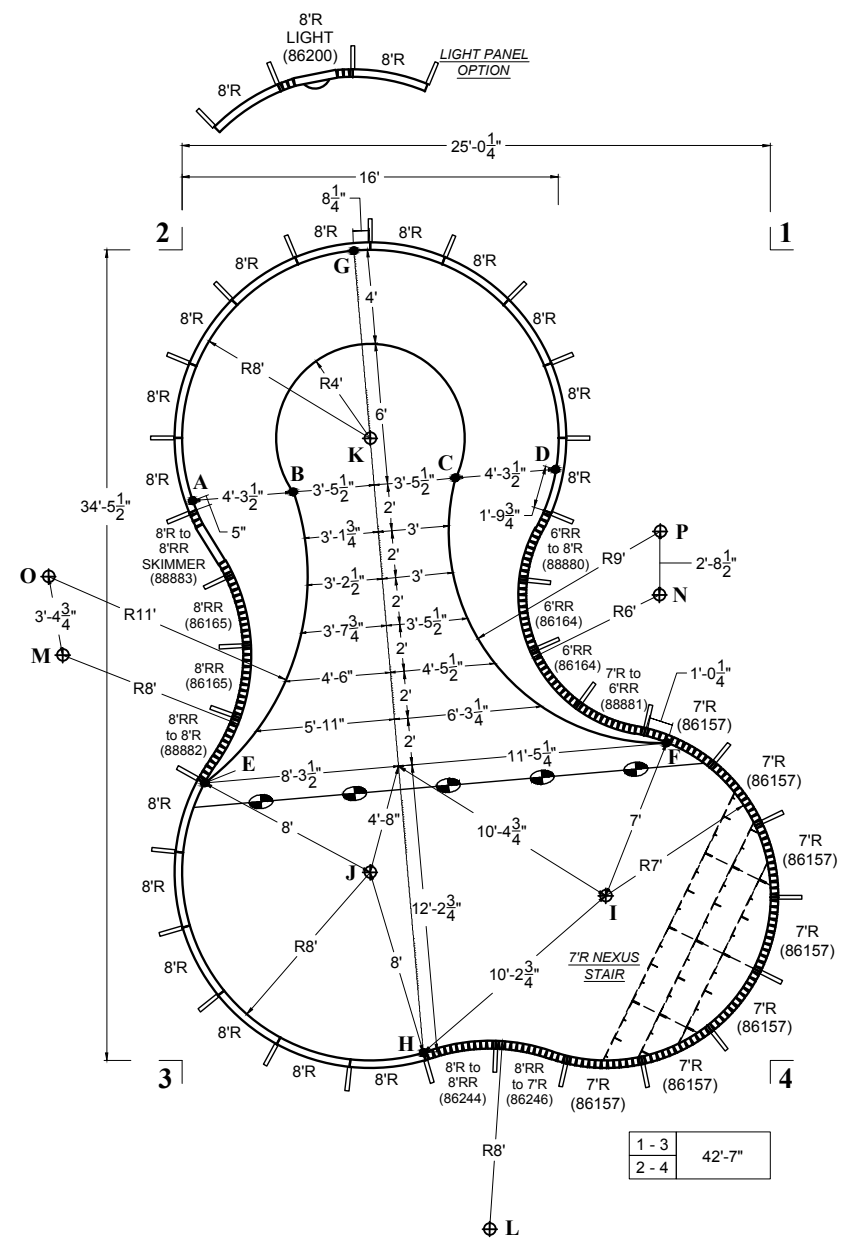
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

1 - A	26'-9 1/4"	2 - A	10'-8"	3 - A	23'-9 3/4"	4 - A	34'-2 1/2"
1 - B	22'-9"	2 - B	11'-4"	3 - B	24'-7 1/2"	4 - B	31'-6 3/4"
1 - C	16'-6 1/2"	2 - C	15'-1 1/2"	3 - C	27'-4 1/4"	4 - C	28'-2"
1 - D	13'-0 1/2"	2 - D	18'-5"	3 - D	29'-8 3/4"	4 - D	26'-9"
1 - E	33'-0 1/2"	2 - E	22'-8"	3 - E	11'-10 1/4"	4 - E	26'-9 1/2"
1 - F	21'-5"	2 - F	29'-4 3/4"	3 - F	24'-7 3/4"	4 - F	14'-2 1/2"
1 - G	17'-8 1/2"	2 - G	7'-3 3/4"	3 - G	35'-2 1/2"	4 - G	38'-8 3/4"
1 - H	37'-2 1/4"	2 - H	35'-7 3/4"	3 - H	10'-3 1/4"	4 - H	14'-9"
1 - I	28'-4"	2 - I	32'-10 1/4"	3 - I	19'-4"	4 - I	9'-10 3/4"
1 - J	31'-5 1/2"	2 - J	27'-7 3/4"	3 - J	11'-3 3/4"	4 - J	18'-9 3/4"
1 - K	18'-9 3/4"	2 - K	11'-3 3/4"	3 - K	27'-7 3/4"	4 - K	31'-5 1/2"
1 - L	43'-3 3/4"	2 - L	43'-7 3/4"	3 - L	14'-11"	4 - L	13'-11"
1 - M	34'-8"	2 - M	17'-11 1/2"	3 - M	17'-11 1/2"	4 - M	34'-8"
1 - N	15'-4 3/4"	2 - N	25'-0 3/4"	3 - N	28'-4 1/4"	4 - N	20'-4 1/4"
1 - O	33'-8 1/4"	2 - O	15'	3 - O	21'-4"	4 - O	36'-11 1/2"
1 - P	12'-10 1/4"	2 - P	23'-7"	3 - P	30'-4"	4 - P	22'-11 3/4"



G - A	12'-7 3/4"	H - A	25'-5 1/4"
G - B	10'-7"	H - B	24'-5 3/4"
G - C	10'-7"	H - C	24'-5 3/4"
G - D	12'-7 3/4"	H - D	25'-5 1/4"
G - E	23'-5 3/4"	H - E	14'-9 1/4"
G - F	24'-9 1/2"	H - F	16'-9"
G - H	34'-2 3/4"	H - G	18'-11 3/4"
G - I	29'-5 1/2"	H - I	10'-2 3/4"
G - J	26'-5 1/4"	H - J	8'
G - K	8'-0 1/4"	H - K	26'-2 1/2"
G - L	42'	H - L	8'-0 1/4"
G - M	21'-2 1/4"	H - M	22'-9 3/4"
G - N	19'-7"	H - N	21'-11"
G - O	18'-11 3/4"	H - O	25'-9 1/4"
G - P	17'-8"	H - P	24'-4 1/4"



1 - 3
2 - 4
42'-7"

JANUARY
2013

MATRIX
POOL SYSTEM

LAGOON RIGHT
16' x 34' x 25'

POOL SURFACE AREA	→ 575.8 ft ² → 53.5 m ²	LINER SQ. FT.	→ 677.6240 ft ²
POOL VOLUME	→ 16450 gal → 62250 L	POOL PERIMETER	→ 103'-8" → 31.60 m

NO DIVING ALLOWED IN THIS POOL

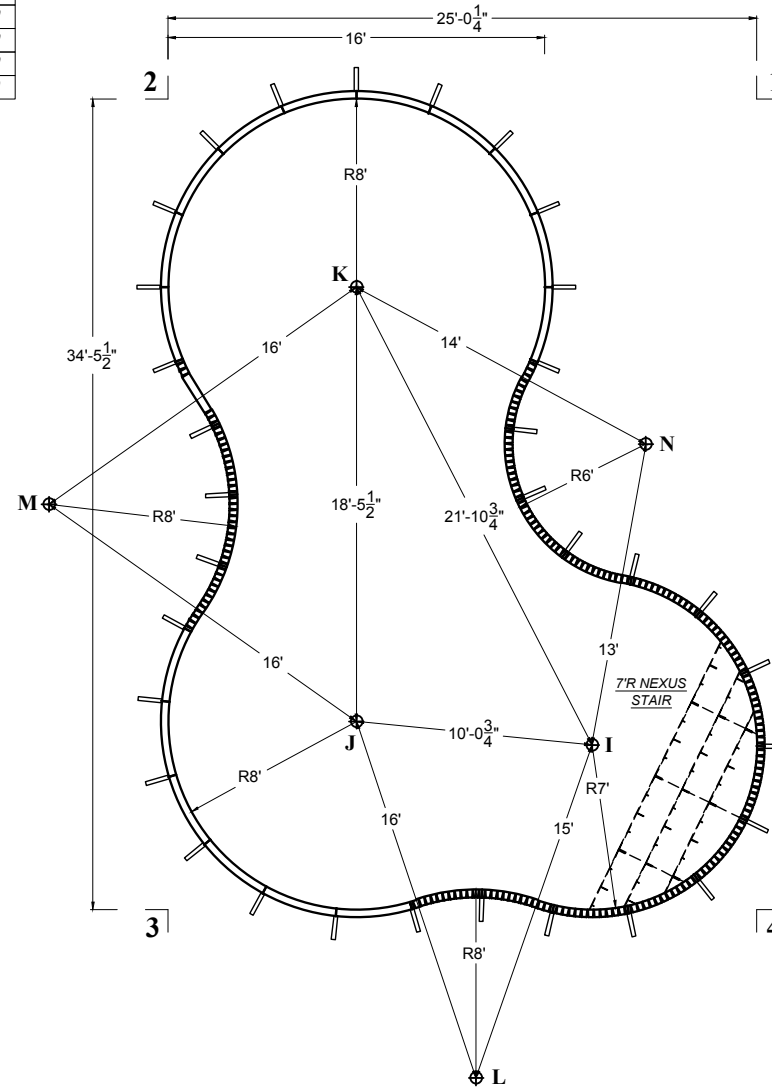
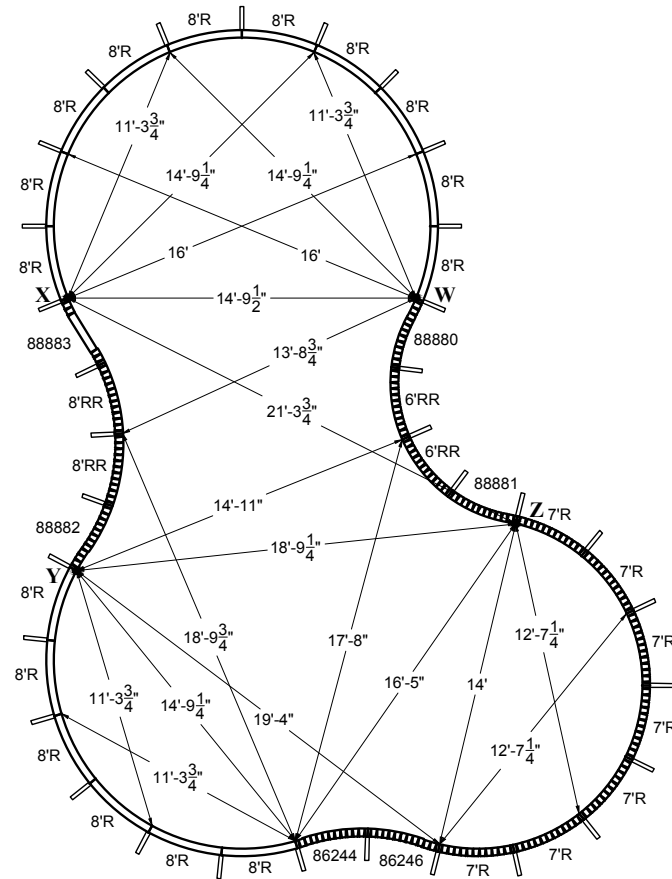
1 - 3	42'-7"
2 - 4	

1 - I	28'-4"
1 - J	31'-5 1/2"
1 - K	18'-9 3/4"
1 - L	43'-3 3/4"
1 - M	34'-8"
1 - N	15'-4 3/4"
1 - W	14'-8"
1 - X	26'-9 1/2"
1 - Y	33'-0 1/2"
1 - Z	21'-4"

2 - I	32'-10 1/4"
2 - J	27'-7 3/4"
2 - K	11'-3 3/4"
2 - L	43'-7 3/4"
2 - M	17'-11 1/2"
2 - N	25'-0 3/4"
2 - W	18'-11 1/2"
2 - X	11'-0 3/4"
2 - Y	22'-8"
2 - Z	28'-6"

3 - I	19'-4"
3 - J	11'-3 3/4"
3 - K	27'-7 3/4"
3 - L	14'-11"
3 - M	17'-11 1/2"
3 - N	28'-4 1/4"
3 - W	28'-0 1/4"
3 - X	23'-5"
3 - Y	11'-10 1/4"
3 - Z	24'

4 - I	9'-10 3/4"
4 - J	18'-9 3/4"
4 - K	31'-5 1/2"
4 - L	13'-11"
4 - M	34'-8"
4 - N	20'-4 1/4"
4 - W	25'-3 3/4"
4 - X	33'-9 3/4"
4 - Y	26'-9 1/2"
4 - Z	14'-9 3/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools that are NOT approved for diving.

LAGOON LEFT
18' x 38' x 29'

POOL SURFACE AREA	→ 748.3 ft ² 69.5 m ²	LINER SQ. FT.	→ 862.6250 ft ²
POOL VOLUME	→ 22400 gal 84800 L	POOL PERIMETER	→ 115' 35.05 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
9' RADIUS STRAP SET	86158S
8' REVERSE RADIUS STRAP SET	86165S
8'RR to 8'R STRAP SET	86247S
9'R to 8'RR STRAP SET	86249S
8'RR to 9'R STRAP SET	86251S
10'R to 8'RR STRAP SET	86253S
8'RR to 10'R STRAP SET	86255S
8'R to 8'RR STRAP SET	86257S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

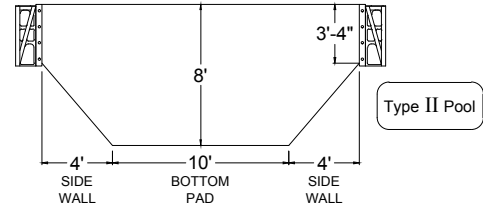
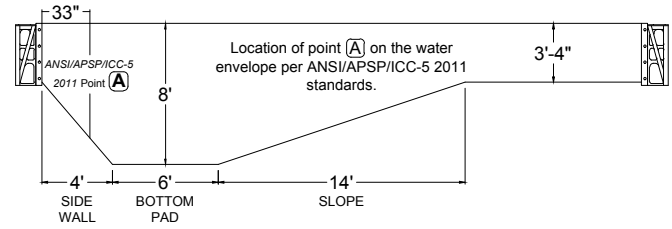
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

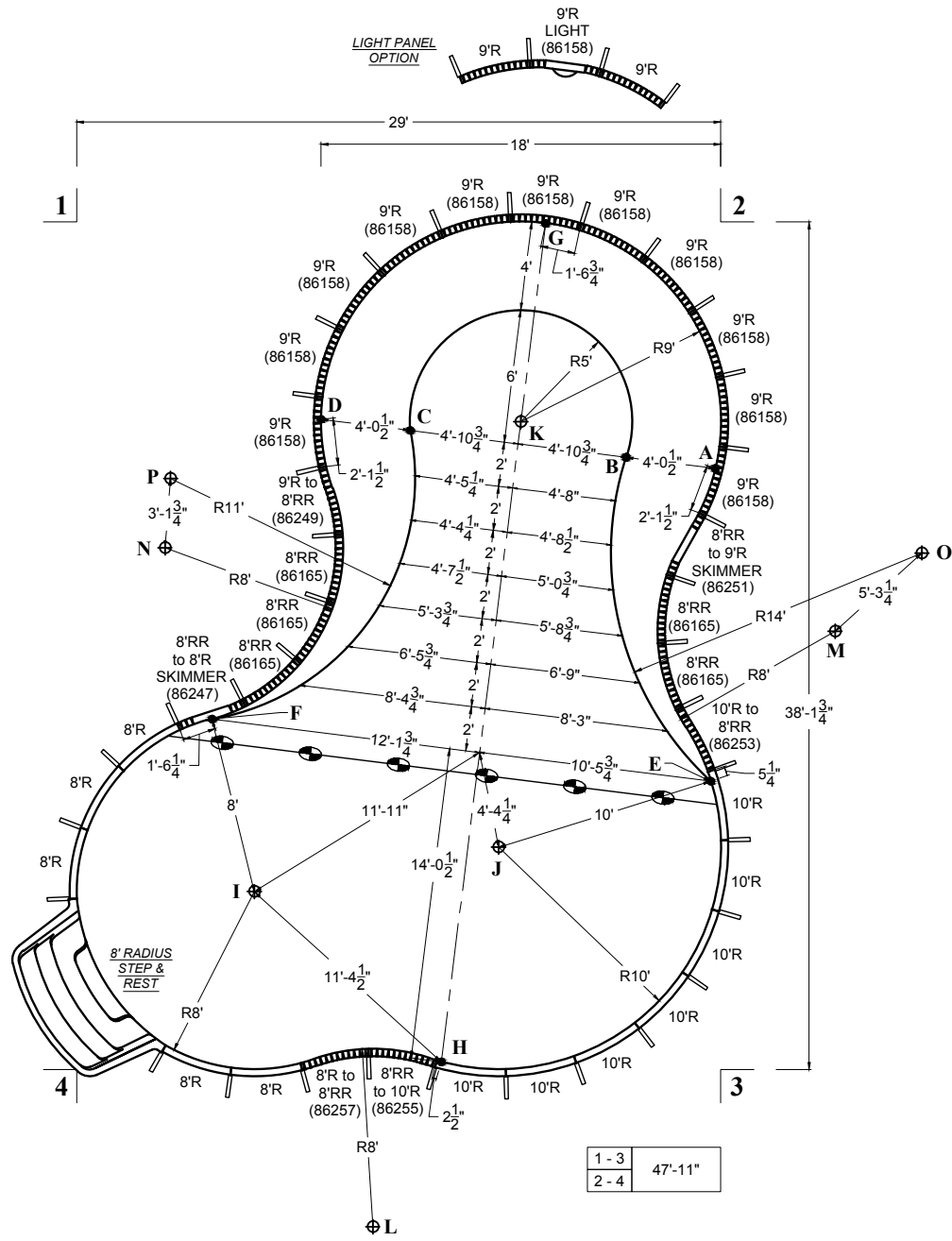
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	30'-9 3/4"	2 - A	11'-1 1/4"	3 - A	27'-0 3/4"	4 - A	39'-5 3/4"
1 - B	26'-11"	2 - B	11'-5"	3 - B	27'-10 1/2"	4 - B	37'-0 1/4"
1 - C	17'-8 1/2"	2 - C	16'-10"	3 - C	31'-11 3/4"	4 - C	32'-5 1/2"
1 - D	14'-1 3/4"	2 - D	20'-1"	3 - D	34'-4 1/4"	4 - D	31'-3 1/4"
1 - E	38'-0 3/4"	2 - E	25'-2 1/4"	3 - E	12'-11 3/4"	4 - E	31'-4 1/4"
1 - F	23'-2 1/4"	2 - F	32'-0 1/4"	3 - F	27'-9 3/4"	4 - F	16'-11"
1 - G	21'-1 1/4"	2 - G	7'-10 3/4"	3 - G	38'-10 3/4"	4 - G	43'-6 1/2"
1 - H	41'-2 3/4"	2 - H	39'-10 1/4"	3 - H	12'-7 1/4"	4 - H	16'-5"
1 - I	31'-2 1/4"	2 - I	36'-9"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
1 - J	33'-11 1/2"	2 - J	29'-10 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	30'-6 1/4"	4 - K	35'-4 1/4"
1 - L	47'-2"	2 - L	47'-10 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
1 - M	38'-9 1/2"	2 - M	19'-1 1/2"	3 - M	20'-4 3/4"	4 - M	39'-5 1/4"
1 - N	15'-2 1/4"	2 - N	29'	3 - N	34'-3 3/4"	4 - N	23'-9 3/4"
1 - O	40'-10 1/2"	2 - O	17'-5 1/4"	3 - O	24'-11 1/2"	4 - O	44'-7 1/4"
1 - P	12'-3 1/2"	2 - P	27'-4"	3 - P	36'-4 1/4"	4 - P	26'-11 1/4"



G - A	13'-5"	H - A	29'-5 1/4"
G - B	11'-1 3/4"	H - B	28'-5 1/2"
G - C	11'-1 3/4"	H - C	28'-5 1/2"
G - D	13'-5"	H - D	29'-5 1/4"
G - E	26'-2 1/4"	H - E	17'-6 1/4"
G - F	26'-10 3/4"	H - F	18'-6 3/4"
G - H	38'-0 1/2"	H - G	38'-0 1/2"
G - I	32'-9 3/4"	H - I	11'-4 1/2"
G - J	28'-2"	H - J	10'
G - K	9'	H - K	29'-0 1/2"
G - L	45'-10"	H - L	8'-0 1/2"
G - M	22'-6 1/4"	H - M	26'-3 1/4"
G - N	22'-6 1/4"	H - N	26'-3 1/4"
G - O	22'-6 1/4"	H - O	31'-6 1/4"
G - P	20'-5"	H - P	28'-11 1/2"

1 - 3	47'-11"
2 - 4	47'-11"



JANUARY
2013

MATRIX
POOL SYSTEM

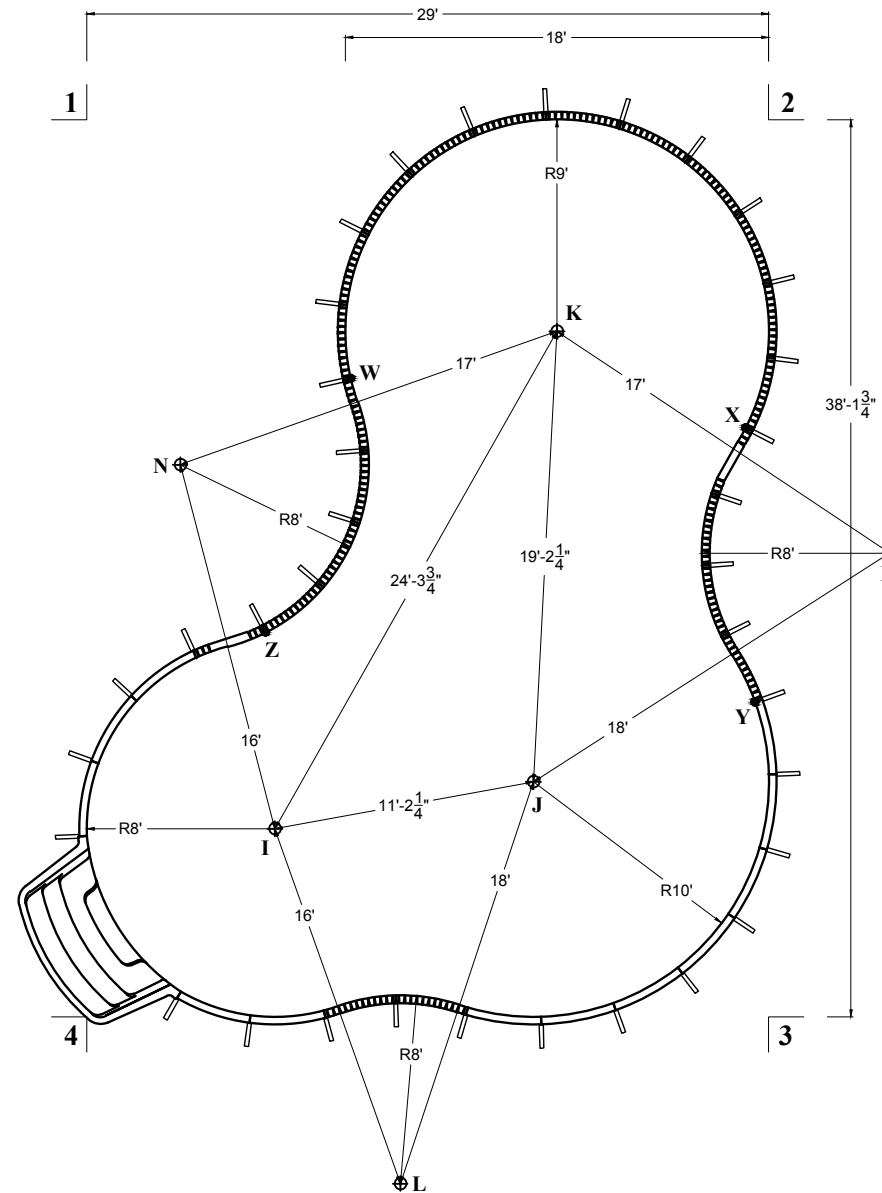
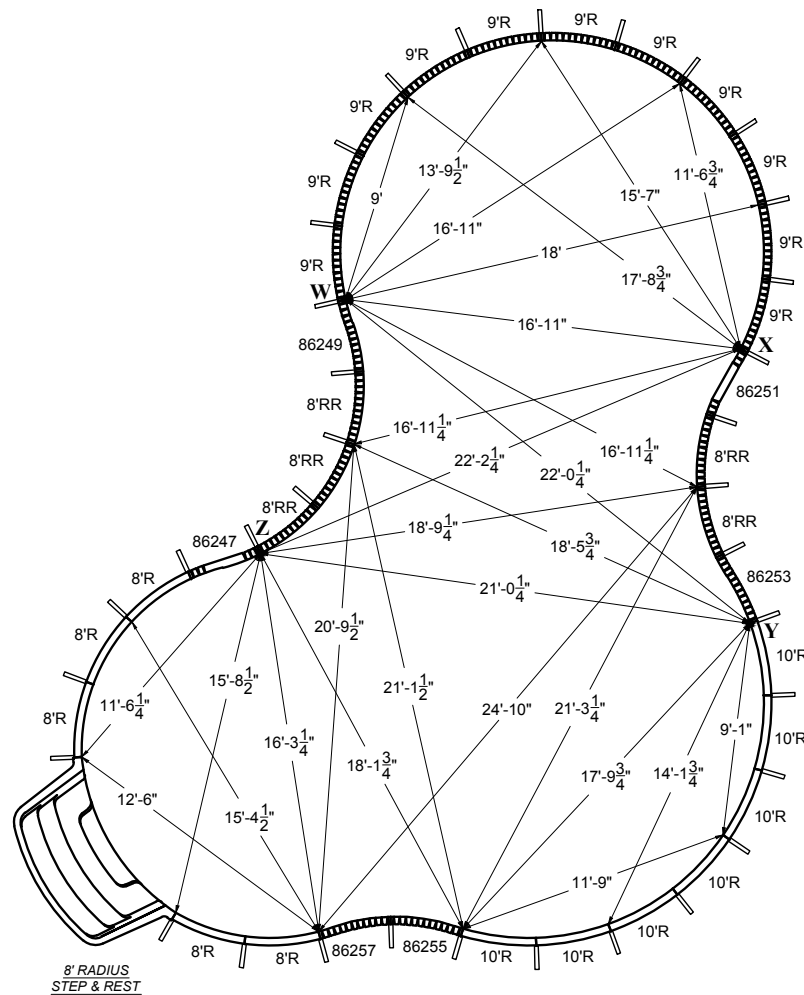
LAGOON LEFT

18' x 38' x 29'

POOL SURFACE AREA	748.3 ft ² 69.5 m ²	LINER SQ. FT.	862.6250 ft ²
POOL VOLUME	22400 gal 84800 L	POOL PERIMETER	115' 35.05 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

1 - 3	47'-11"	1 - I	31'-2 1/4"	2 - I	36'-9"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
2 - 4		1 - J	33'-11 1/2"	2 - J	29'-10 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
		1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	30'-6 1/4"	4 - K	35'-4 1/4"
		1 - L	47'-2"	2 - L	47'-10 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
		1 - M	38'-9 1/2"	2 - M	19'-1 1/2"	3 - M	20'-4 3/4"	4 - M	39'-5 1/4"
		1 - N	15'-2 1/4"	2 - N	29'	3 - N	34'-3 3/4"	4 - N	23'-9 3/4"
		1 - W	15'-8 3/4"	2 - W	20'-10 3/4"	3 - W	32'-5 1/2"	4 - W	29'-4 1/2"
		1 - X	30'-11"	2 - X	13'-1 1/2"	3 - X	25'-1"	4 - X	37'-7"
		1 - Y	37'-8 1/4"	2 - Y	24'-9 1/4"	3 - Y	13'-4 3/4"	4 - Y	31'-4 3/4"
		1 - Z	23'-1"	2 - Z	30'-6 1/2"	3 - Z	26'-11 1/4"	4 - Z	18'-0 1/2"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON LEFT
18' x 38' x 29'

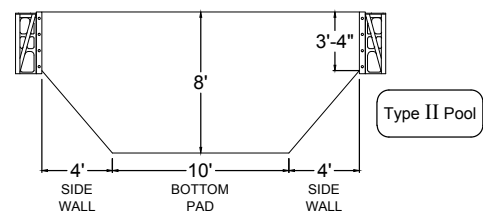
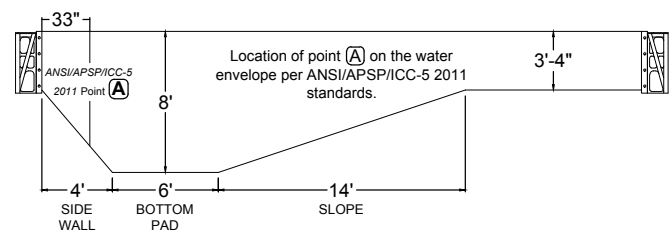
POOL SURFACE AREA	753.5 ft ²	LINER SQ. FT.	872.3750 ft ²
POOL VOLUME	22850 gal	POOL PERIMETER	116'-3"
	86500 L		35.43 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
9' RADIUS STRAP SET	86158S
8' REVERSE RADIUS STRAP SET	86165S
8'RR to 9'R STRAP SET	88884S
10'R to 8'RR STRAP SET	88885S
8'RR to 8'R STRAP SET	88886S
9'R to 8'RR STRAP SET	88887S
8'RR to 10'R STRAP SET	88888S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS0003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

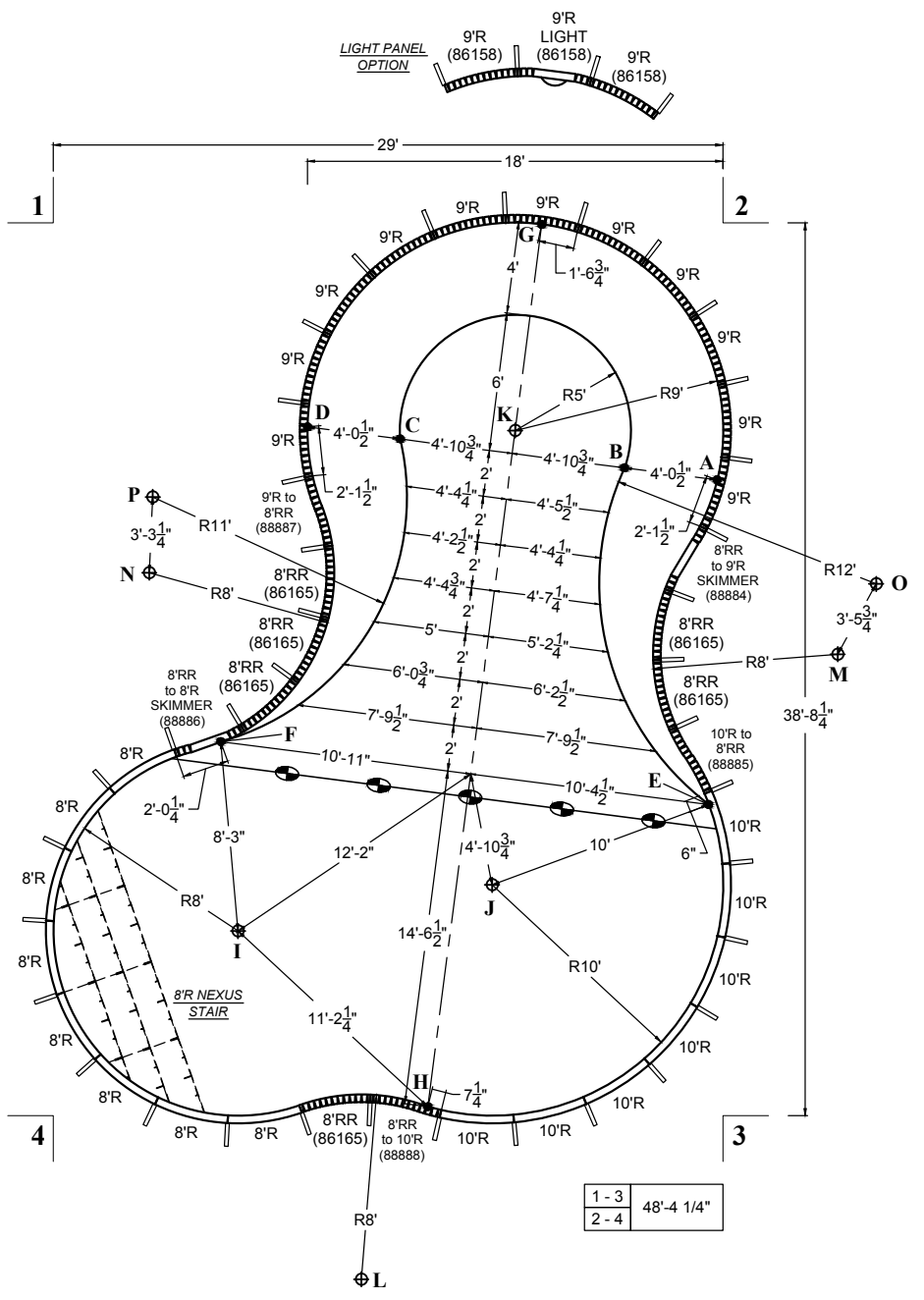
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

1 - A	30'-10"	2 - A	11'-1 3/4"	3 - A	27'-6 1/2"	4 - A	39'-9 3/4"
1 - B	26'-11"	2 - B	11'-5 1/4"	3 - B	28'-4 3/4"	4 - B	37'-5"
1 - C	17'-8 1/4"	2 - C	16'-10"	3 - C	32'-5 3/4"	4 - C	32'-11 1/4"
1 - D	14'-1 1/2"	2 - D	20'-0 3/4"	3 - D	34'-10 1/4"	4 - D	31'-9 3/4"
1 - E	31'-7 1/2"	2 - E	25'-2 1/2"	3 - E	13'-6"	4 - E	31'-5"
1 - F	23'-7 1/2"	2 - F	31'-3 1/4"	3 - F	27'-1 1/2"	4 - F	17'-9"
1 - G	21'-1 3/4"	2 - G	7'-10 1/4"	3 - G	39'-4 3/4"	4 - G	44'-0 1/4"
1 - H	41'-7"	2 - H	40'-4 1/2"	3 - H	12'-9 1/2"	4 - H	16'-2 3/4"
1 - I	31'-8 1/2"	2 - I	37'-2 1/4"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
1 - J	34'-5"	2 - J	30'-4 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	31'-0 1/4"	4 - K	35'-9 1/2"
1 - L	47'-8"	2 - L	48'-4 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
1 - M	38'-9 1/4"	2 - M	19'-4"	3 - M	20'-7 1/4"	4 - M	39'-5"
1 - N	15'-8 1/2"	2 - N	29'-1 1/4"	3 - N	34'-2 3/4"	4 - N	23'-10 3/4"
1 - O	38'-11"	2 - O	17"	3 - O	23'-11 3/4"	4 - O	42'-5 1/4"
1 - P	12'-7 1/2"	2 - P	27'-4 3/4"	3 - P	36'-5 1/2"	4 - P	27'-1 3/4"



G - A	13'-5"	H - A	29'-10 3/4"
G - B	11'-1 3/4"	H - B	28'-11 1/2"
G - C	11'-1 3/4"	H - C	28'-11 1/2"
G - D	13'-5"	H - D	29'-10 3/4"
G - E	26'-1 3/4"	H - E	17'-10 1/4"
G - F	26'-4 1/2"	H - F	18'-2 1/4"
G - H	38'-6 1/2"	H - G	38'-6 1/2"
G - I	33'-3 3/4"	H - I	11'-2 1/4"
G - J	28'-8 1/4"	H - J	10'
G - K	9'	H - K	29'-6 1/2"
G - L	46'-4 1/4"	H - L	8'-0 1/4"
G - M	22'-7 1/4"	H - M	26'-5 1/4"
G - N	22'-8 3/4"	H - N	26'-1"
G - O	21'-3 1/4"	H - O	29'-10"
G - P	20'-6 3/4"	H - P	28'-11 3/4"

1 - 3	48'-4 1/4"
2 - 4	



JANUARY
2013

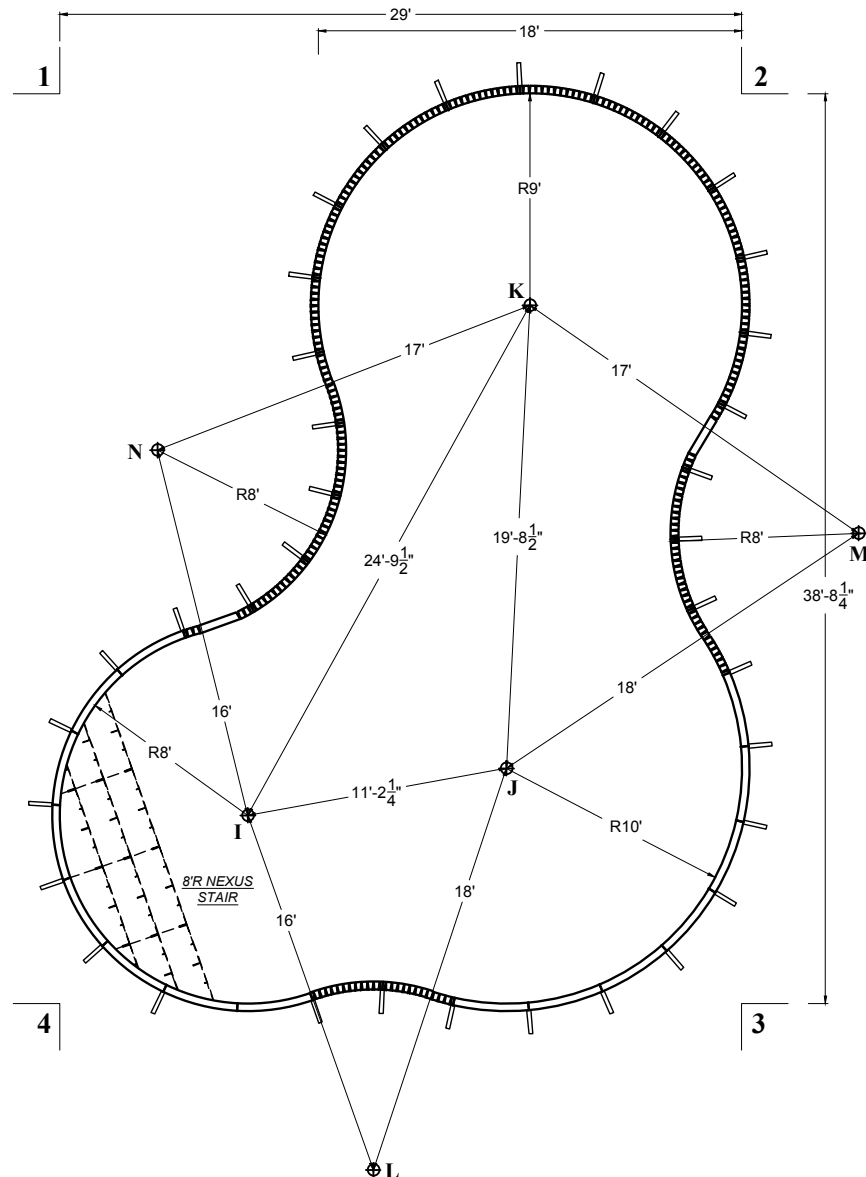
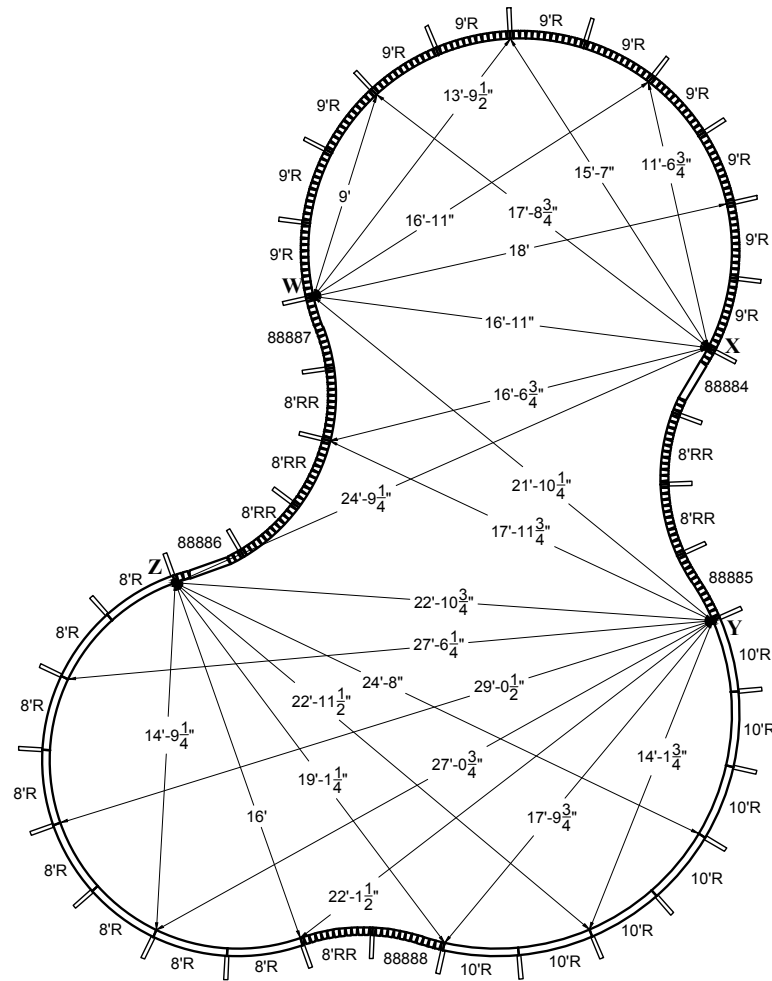
MATRIX
POOL SYSTEM

LAGOON LEFT
18' x 38' x 29'

POOL SURFACE AREA	753.5 ft ² 70.0 m ²	LINER SQ. FT.	872.3750 ft ²
POOL VOLUME	22850 gal 86500 L	POOL PERIMETER	116'-3" 35.43 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

1 - 3	48'-4 1/4"	1 - I	31'-8 1/2"	2 - I	37'-2 1/4"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
2 - 4		1 - J	34'-5"	2 - J	30'-4 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
		1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	31'-0 1/4"	4 - K	35'-9 1/2"
		1 - L	47'-8"	2 - L	48'-4 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
		1 - M	38'-9 1/4"	2 - M	19'-4"	3 - M	20'-7 1/4"	4 - M	39'-5"
		1 - N	15'-8 1/2"	2 - N	29'-1 1/4"	3 - N	34'-2 3/4"	4 - N	23'-10 3/4"
		1 - W	15'-8 1/4"	2 - W	20'-10 3/4"	3 - W	32'-11 1/4"	4 - W	29'-10 3/4"
		1 - X	30'-11"	2 - X	13'-2"	3 - X	25'-7"	4 - X	37'-10 3/4"
		1 - Y	37'-6"	2 - Y	24'-9"	3 - Y	13'-11 3/4"	4 - Y	31'-5 1/2"
		1 - Z	23'-9"	2 - Z	33'-1"	3 - Z	28'-3 3/4"	4 - Z	16'-5 1/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON RIGHT
18' x 38' x 29'

POOL SURFACE AREA	→ 748.3 ft ² 69.5 m ²	LINER SQ. FT.	→ 862.6250 ft ²
POOL VOLUME	→ 22400 gal 84800 L	POOL PERIMETER	→ 115' 35.05 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
9' RADIUS STRAP SET	86158S
8' REVERSE RADIUS STRAP SET	86165S
8'R to 8'RR STRAP SET	86248S
8'RR to 9'R STRAP SET	86250S
9'R to 8'RR STRAP SET	86252S
8'RR to 10'R STRAP SET	86254S
10'R to 8'RR STRAP SET	86256S
8'RR to 8'R STRAP SET	86258S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

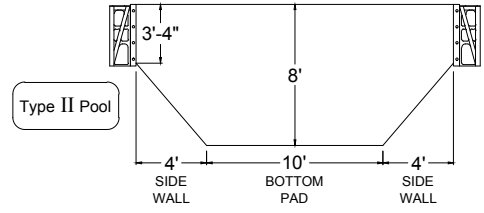
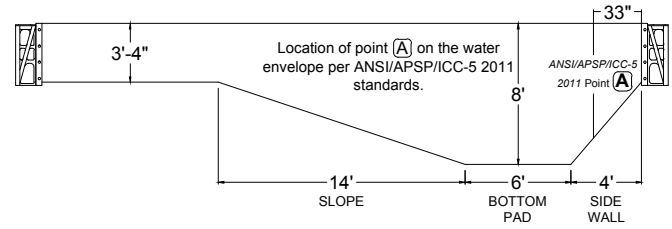
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

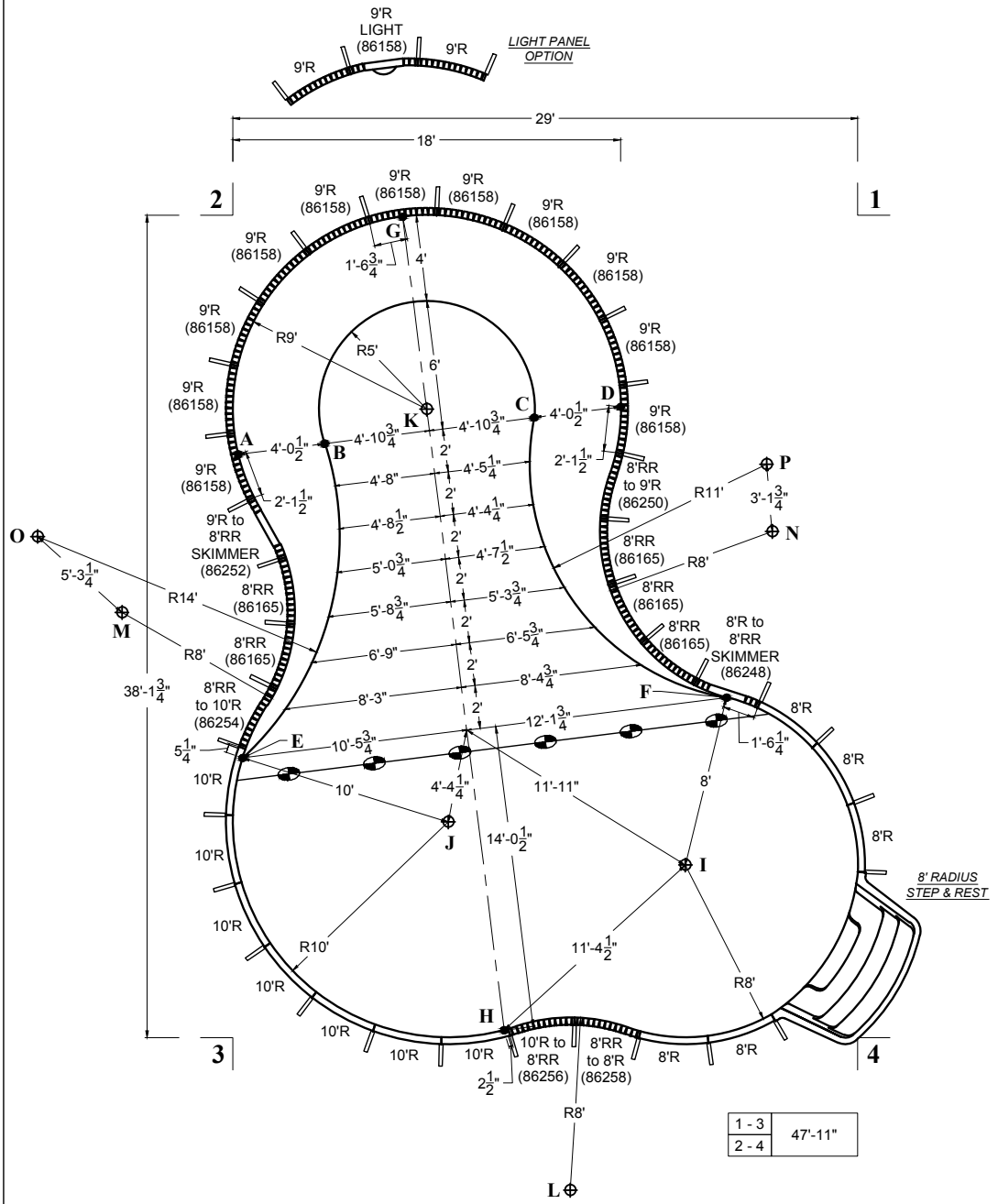
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	30'-9 3/4"	2 - A	11'-1 1/4"	3 - A	27'-0 3/4"	4 - A	39'-5 3/4"
1 - B	26'-11"	2 - B	11'-5"	3 - B	27'-10 1/2"	4 - B	37'-0 1/4"
1 - C	17'-8 1/2"	2 - C	16'-10"	3 - C	31'-11 3/4"	4 - C	32'-5 1/2"
1 - D	14'-1 3/4"	2 - D	20'-1"	3 - D	34'-4 1/4"	4 - D	31'-3 1/4"
1 - E	38'-0 3/4"	2 - E	25'-2 1/4"	3 - E	12'-11 3/4"	4 - E	31'-4 1/4"
1 - F	23'-2 1/4"	2 - F	32'-0 1/4"	3 - F	27'-9 3/4"	4 - F	16'-11"
1 - G	21'-1 1/4"	2 - G	7'-10 3/4"	3 - G	38'-10 3/4"	4 - G	43'-6 1/2"
1 - H	41'-2 3/4"	2 - H	39'-10 1/4"	3 - H	12'-7 1/4"	4 - H	16'-5"
1 - I	31'-2 1/4"	2 - I	36'-9"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
1 - J	33'-11 1/2"	2 - J	29'-10 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	30'-6 1/4"	4 - K	35'-4 1/4"
1 - L	47'-2"	2 - L	47'-10 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
1 - M	38'-9 1/2"	2 - M	19'-1 1/2"	3 - M	20'-4 3/4"	4 - M	39'-5 1/4"
1 - N	15'-2 1/4"	2 - N	29'	3 - N	34'-3 3/4"	4 - N	23'-9 3/4"
1 - O	40'-10 1/2"	2 - O	17'-5 1/4"	3 - O	24'-11 1/2"	4 - O	44'-7 1/4"
1 - P	12'-3 1/2"	2 - P	27'-4"	3 - P	36'-4 1/4"	4 - P	26'-11 1/4"



G - A	13'-5"	H - A	29'-5 1/4"
G - B	11'-1 3/4"	H - B	28'-5 1/2"
G - C	11'-1 3/4"	H - C	28'-5 1/2"
G - D	13'-5"	H - D	29'-5 1/4"
G - E	26'-2 1/4"	H - E	17'-6 1/4"
G - F	26'-10 3/4"	H - F	18'-6 3/4"
G - H	38'-0 1/2"	H - G	38'-0 1/2"
G - I	32'-9 3/4"	H - I	11'-4 1/2"
G - J	28'-2"	H - J	10'
G - K	9'	H - K	29'-0 1/2"
G - L	45'-10"	H - L	8'-0 1/2"
G - M	22'-6 1/4"	H - M	26'-3 1/4"
G - N	22'-6 1/4"	H - N	26'-3 1/4"
G - O	22'-6 1/4"	H - O	31'-6 1/4"
G - P	20'-5"	H - P	28'-11 1/2"

1 - 3	47'-11"
2 - 4	47'-11"



JANUARY
2013

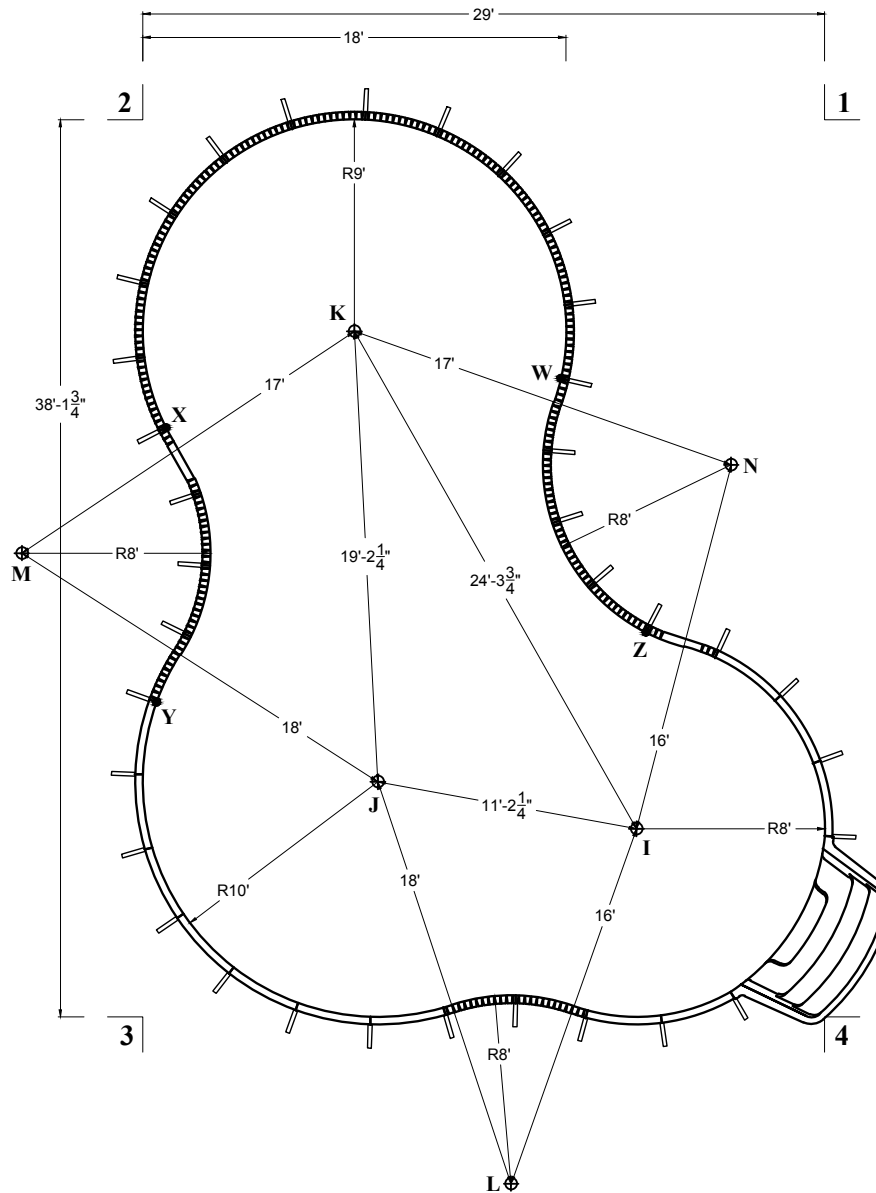
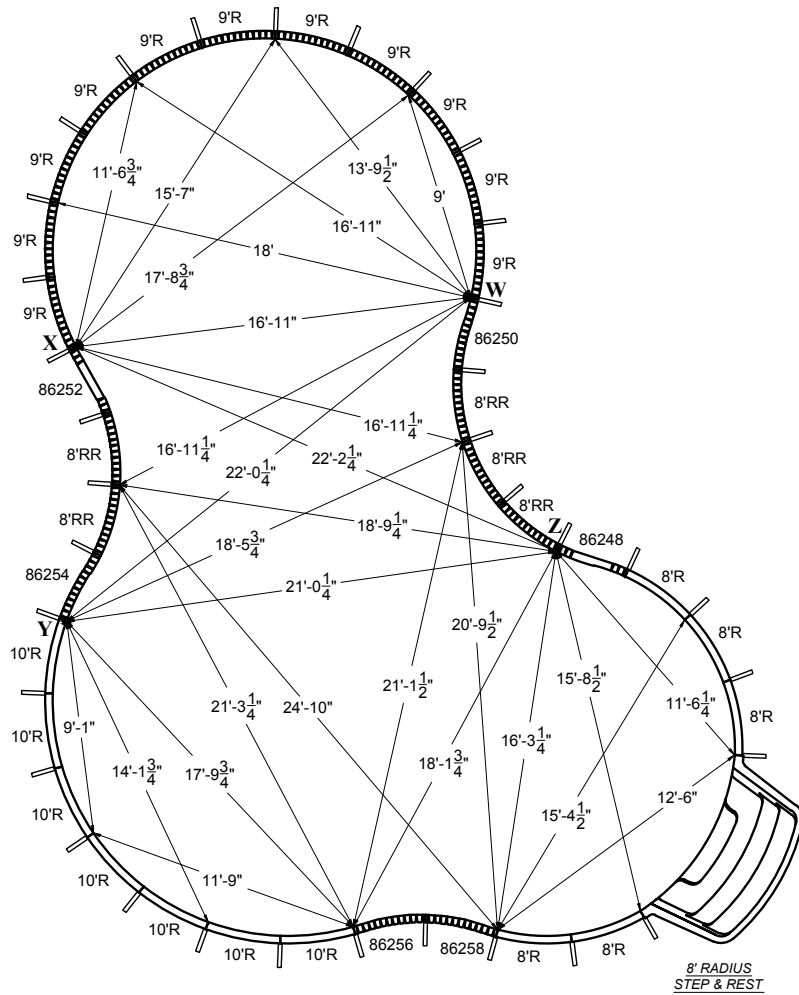
MATRIX
POOL SYSTEM

LAGOON RIGHT
18' x 38' x 29'

POOL SURFACE AREA	748.3 ft ² 69.5 m ²	LINER SQ. FT.	862.6250 ft ²
POOL VOLUME	22400 gal 84800 L	POOL PERIMETER	115' 35.05 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

1 - 3	47'-11"	1 - I	31'-2 1/4"	2 - I	36'-9"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
2 - 4		1 - J	33'-11 1/2"	2 - J	29'-10 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
		1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	30'-6 1/4"	4 - K	35'-4 1/4"
		1 - L	47'-2"	2 - L	47'-10 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
		1 - M	38'-9 1/2"	2 - M	19'-1 1/2"	3 - M	20'-4 3/4"	4 - M	39'-5 1/4"
		1 - N	15'-2 1/4"	2 - N	29'	3 - N	34'-3 3/4"	4 - N	23'-9 3/4"
		1 - W	15'-8 3/4"	2 - W	20'-10 3/4"	3 - W	32'-5 1/2"	4 - W	29'-4 1/2"
		1 - X	30'-11"	2 - X	13'-1 1/2"	3 - X	25'-1"	4 - X	37'-7"
		1 - Y	37'-8 1/4"	2 - Y	24'-9 1/4"	3 - Y	13'-4 3/4"	4 - Y	31'-4 3/4"
		1 - Z	23'-1"	2 - Z	30'-6 1/2"	3 - Z	26'-11 1/4"	4 - Z	18'-0 1/2"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON RIGHT
18' x 38' x 29'

POOL SURFACE AREA	753.5 ft ² 70.0 m ²	LINER SQ. FT.	872.3750 ft ²
POOL VOLUME	22850 gal 86500 L	POOL PERIMETER	116'-3" 35.43 m

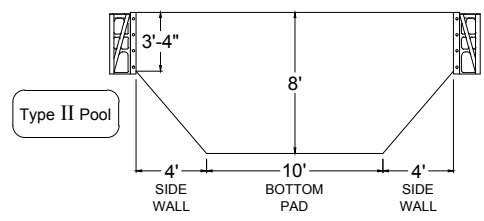
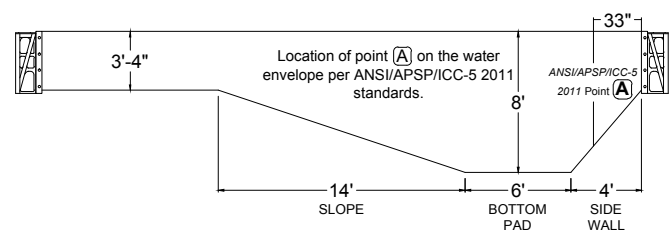
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
9' RADIUS STRAP SET	86158S
8' REVERSE RADIUS STRAP SET	86165S
8'RR to 9'R STRAP SET	88889S
8'R to 8'RR STRAP SET	88890S
8'RR to 10'R STRAP SET	88891S
9'R to 8'RR STRAP SET	88892S
10'R to 8'RR STRAP SET	88893S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS NEXUS STAIR	NSS003
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

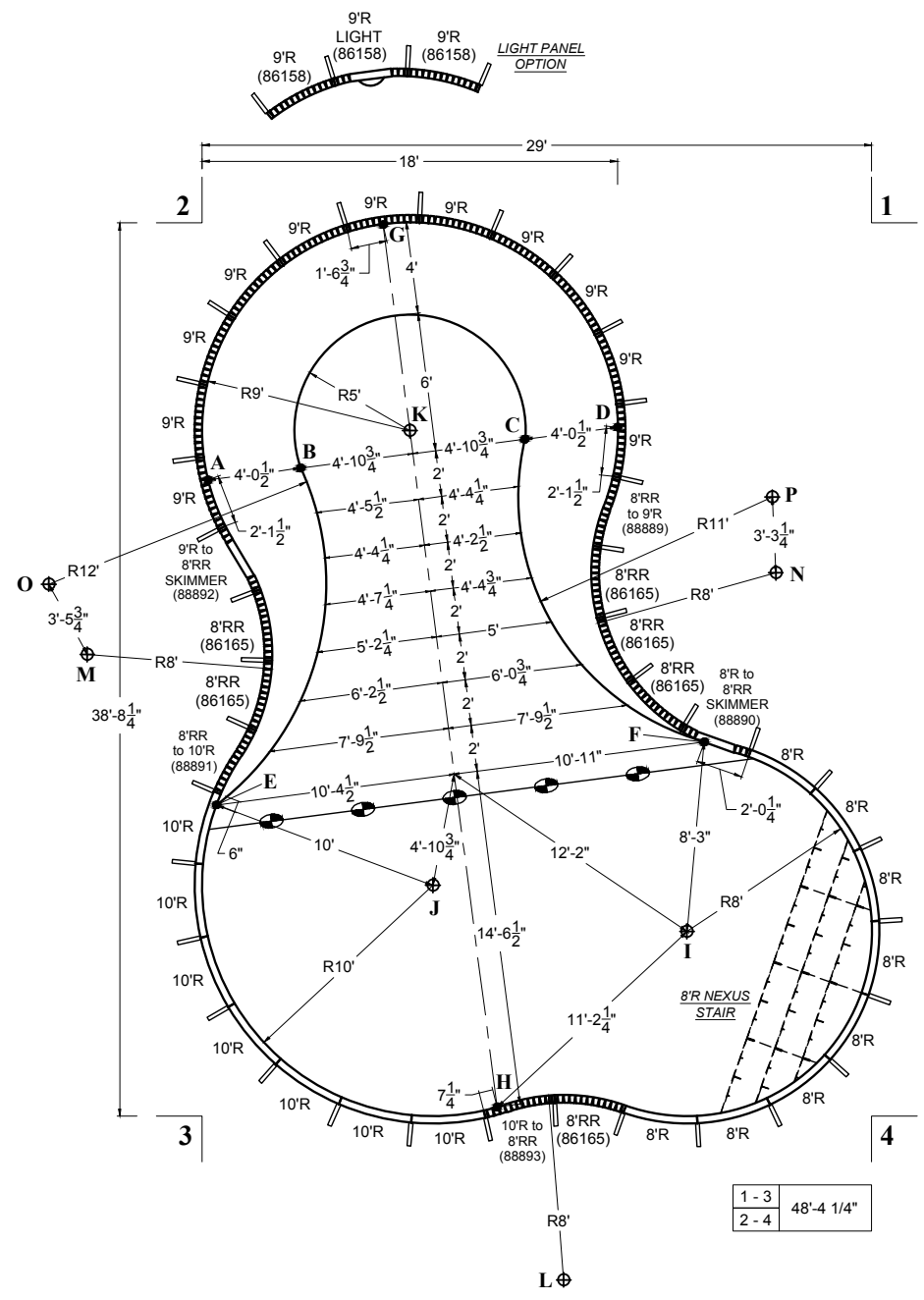
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	30'-10"	2 - A	11'-1 3/4"	3 - A	27'-6 1/2"	4 - A	39'-9 3/4"
1 - B	26'-11"	2 - B	11'-5 1/4"	3 - B	28'-4 3/4"	4 - B	37'-5"
1 - C	17'-8 1/4"	2 - C	16'-10"	3 - C	32'-5 3/4"	4 - C	32'-11 1/4"
1 - D	14'-1 1/2"	2 - D	20'-0 3/4"	3 - D	34'-10 1/4"	4 - D	31'-9 3/4"
1 - E	31'-7 1/2"	2 - E	25'-2 1/2"	3 - E	13'-6"	4 - E	31'-5"
1 - F	23'-7 1/2"	2 - F	31'-3 1/4"	3 - F	27'-1 1/2"	4 - F	17'-9"
1 - G	21'-1 3/4"	2 - G	7'-10 1/4"	3 - G	39'-4 3/4"	4 - G	44'-0 1/4"
1 - H	41'-7"	2 - H	40'-4 1/2"	3 - H	12'-9 1/2"	4 - H	16'-2 3/4"
1 - I	31'-8 1/2"	2 - I	37'-2 1/4"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
1 - J	34'-5"	2 - J	30'-4 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	31'-0 1/4"	4 - K	35'-9 1/2"
1 - L	47'-8"	2 - L	48'-4 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
1 - M	38'-9 1/4"	2 - M	19'-4"	3 - M	20'-7 1/4"	4 - M	39'-5"
1 - N	15'-8 1/2"	2 - N	29'-1 1/4"	3 - N	34'-2 3/4"	4 - N	23'-10 3/4"
1 - O	38'-11"	2 - O	17'	3 - O	23'-11 3/4"	4 - O	42'-5 1/4"
1 - P	12'-7 1/2"	2 - P	27'-4 3/4"	3 - P	36'-5 1/2"	4 - P	27'-1 3/4"



G - A	13'-5"	H - A	29'-10 3/4"
G - B	11'-1 3/4"	H - B	28'-11 1/2"
G - C	11'-1 3/4"	H - C	28'-11 1/2"
G - D	13'-5"	H - D	29'-10 3/4"
G - E	26'-1 3/4"	H - E	17'-10 1/4"
G - F	26'-4 1/2"	H - F	18'-2 1/4"
G - H	38'-6 1/2"	H - G	38'-6 1/2"
G - I	33'-3 3/4"	H - I	11'-2 1/4"
G - J	28'-8 1/4"	H - J	10'
G - K	9'	H - K	29'-6 1/2"
G - L	46'-4 1/4"	H - L	8'-0 1/4"
G - M	22'-7 1/4"	H - M	26'-5 1/4"
G - N	22'-8 3/4"	H - N	26'-1"
G - O	21'-3 1/4"	H - O	29'-10"
G - P	20'-6 3/4"	H - P	28'-11 3/4"

1 - 3	48'-4 1/4"
2 - 4	48'-4 1/4"



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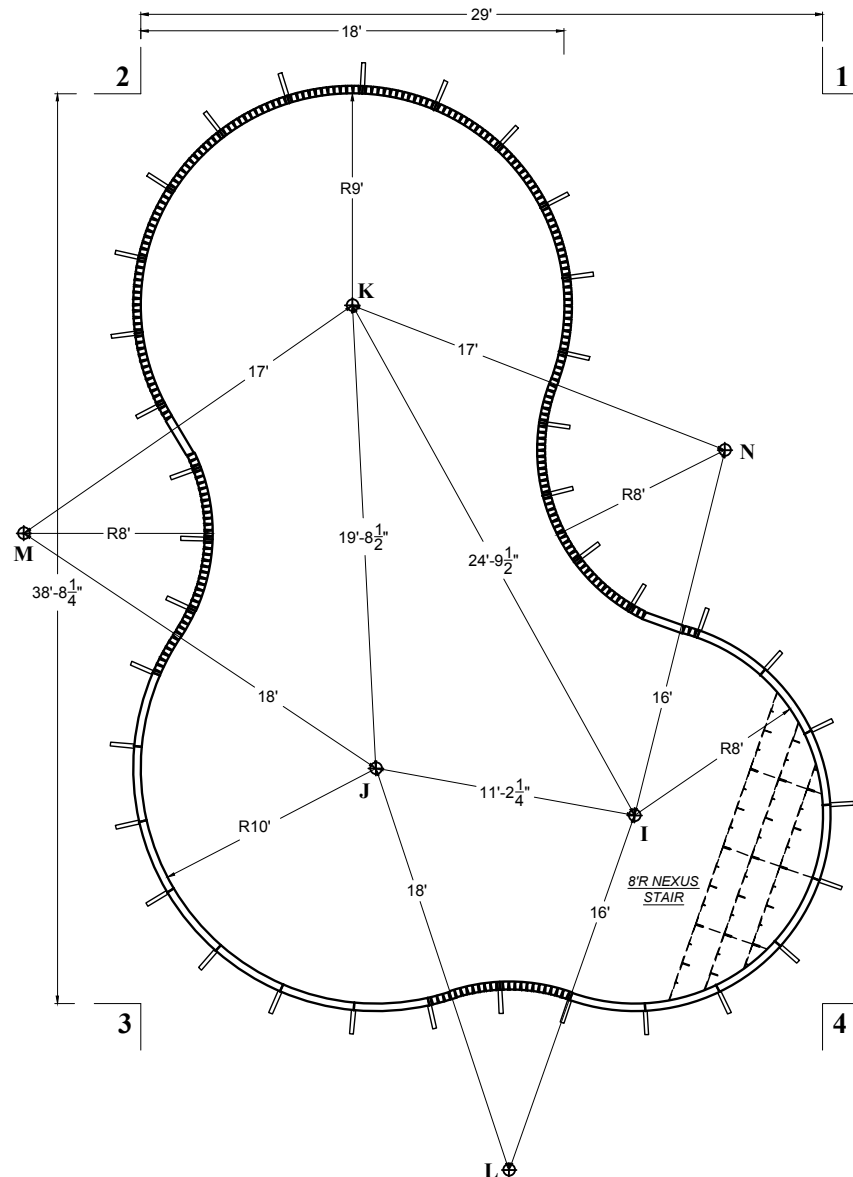
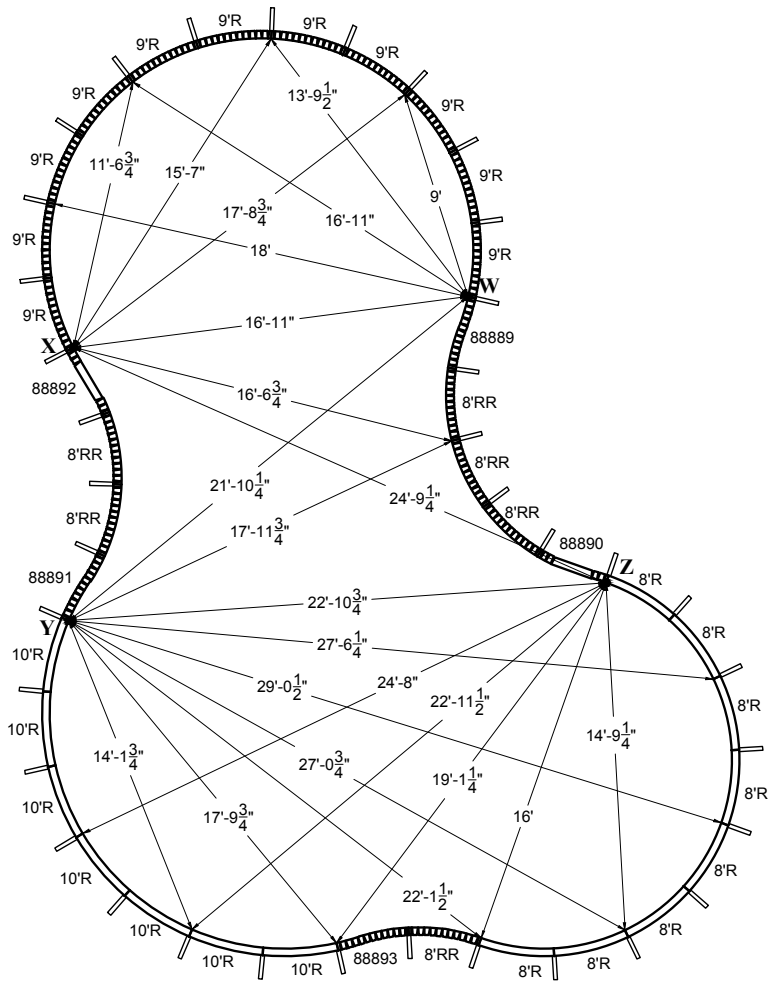
MATRIX
POOL SYSTEM

LAGOON RIGHT
18' x 38' x 29'

POOL SURFACE AREA	753.5 ft ² 70.0 m ²	LINER SQ. FT.	872.3750 ft ²
POOL VOLUME	22850 gal 86500 L	POOL PERIMETER	116'-3" 35.43 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

1 - 3	48'-4 1/4"	1 - I	31'-8 1/2"	2 - I	37'-2 1/4"	3 - I	22'-5 3/4"	4 - I	11'-3 3/4"
2 - 4		1 - J	34'-5"	2 - J	30'-4 1/2"	3 - J	14'-1 3/4"	4 - J	21'-5 3/4"
		1 - K	21'-11 1/4"	2 - K	12'-8 3/4"	3 - K	31'-0 1/4"	4 - K	35'-9 1/2"
		1 - L	47'-8"	2 - L	48'-4 1/2"	3 - L	17'-2 1/4"	4 - L	15'-1 1/4"
		1 - M	38'-9 1/4"	2 - M	19'-4"	3 - M	20'-7 1/4"	4 - M	39'-5"
		1 - N	15'-8 1/2"	2 - N	29'-1 1/4"	3 - N	34'-2 3/4"	4 - N	23'-10 3/4"
		1 - W	15'-8 1/4"	2 - W	20'-10 3/4"	3 - W	32'-11 1/4"	4 - W	29'-10 3/4"
		1 - X	30'-11"	2 - X	13'-2"	3 - X	25'-7"	4 - X	37'-10 3/4"
		1 - Y	37'-6"	2 - Y	24'-9"	3 - Y	13'-11 3/4"	4 - Y	31'-5 1/2"
		1 - Z	23'-9"	2 - Z	33'-1"	3 - Z	28'-3 3/4"	4 - Z	16'-5 1/4"



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON LEFT
20' x 42' x 30'

POOL SURFACE AREA	862.5 ft ²	LINER SQ. FT.	1000.6667 ft ²
POOL VOLUME	26500 gal	POOL PERIMETER	124'-3"
	100300 L		37.87 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
10' RADIUS STRAP SET	86273S
8' REVERSE RADIUS STRAP SET	86165S
10' REVERSE RADIUS STRAP SET	86166S
10'R to 10'RR STRAP SET	86259S
8'RR to 10'R STRAP SET	86261S
8'R to 8'RR STRAP SET	86263S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

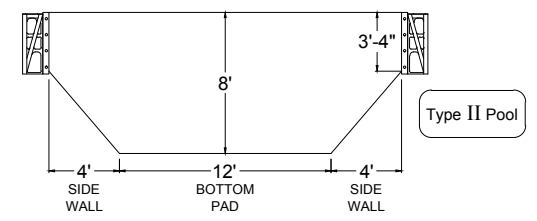
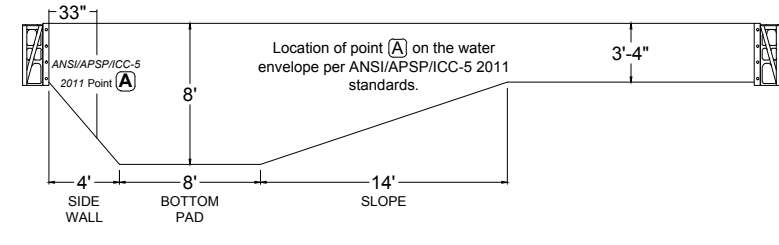
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

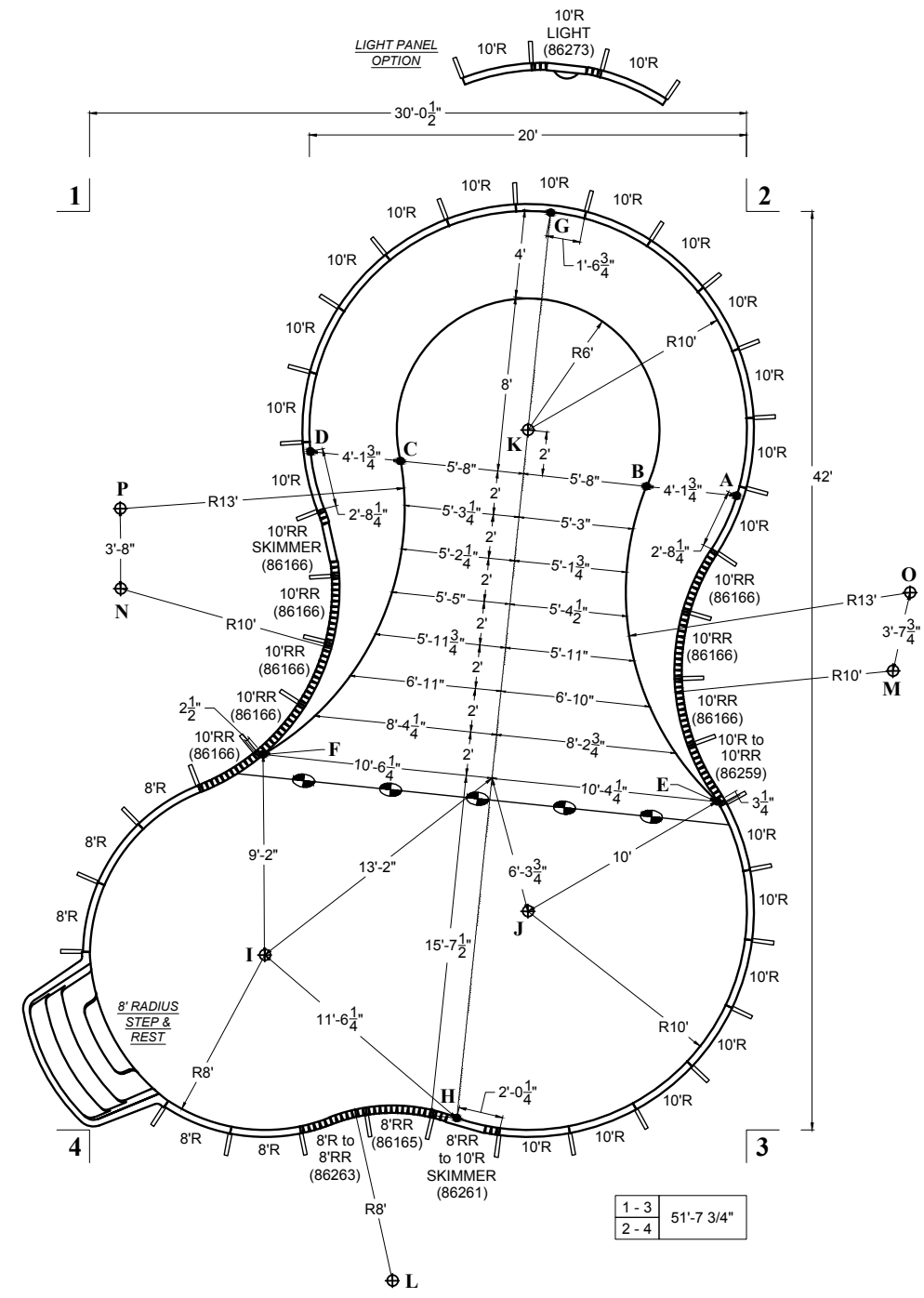
The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	32'-3 3/4"	2 - A	13'	3 - A	29'	4 - A	41'-5 1/4"
1 - B	28'-4 3/4"	2 - B	13'-4 1/2"	3 - B	29'-9 1/2"	4 - B	38'-11"
1 - C	18'-2 3/4"	2 - C	19'-6 1/4"	3 - C	34'-5 1/4"	4 - C	33'-8 3/4"
1 - D	14'-11"	2 - D	22'-9 1/4"	3 - D	36'-10 1/2"	4 - D	32'-7 1/2"
1 - E	39'-4 3/4"	2 - E	27'-0 1/4"	3 - E	15'-1"	4 - E	32'-4 3/4"
1 - F	26'-0 3/4"	2 - F	33'-3"	3 - F	28'	4 - F	18'-11"
1 - G	21'-1"	2 - G	8'-11 3/4"	3 - G	42'-10 3/4"	4 - G	46'-11 1/4"
1 - H	44'-8 3/4"	2 - H	43'-6 1/4"	3 - H	13'-3 1/4"	4 - H	16'-9 1/2"
1 - I	34'-11 1/4"	2 - I	40'-6 1/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	37'-9 1/4"	2 - J	33'-6 1/4"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 3/4"	2 - K	14'-1 3/4"	3 - K	33'-6 1/4"	4 - K	37'-9 1/4"
1 - L	50'-9 3/4"	2 - L	51'-6 1/4"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-4"	2 - M	22'-0 1/2"	3 - M	22'-0 1/2"	4 - M	42'-4"
1 - N	17'-3 3/4"	2 - N	33'-5 1/4"	3 - N	37'-10 1/4"	4 - N	24'-9 1/2"
1 - O	41'-4 1/2"	2 - O	18'-11 3/4"	3 - O	25'-8"	4 - O	44'-10 1/4"
1 - P	13'-8"	2 - P	31'-8 1/2"	3 - P	40'-4 1/4"	4 - P	28'-5 1/4"



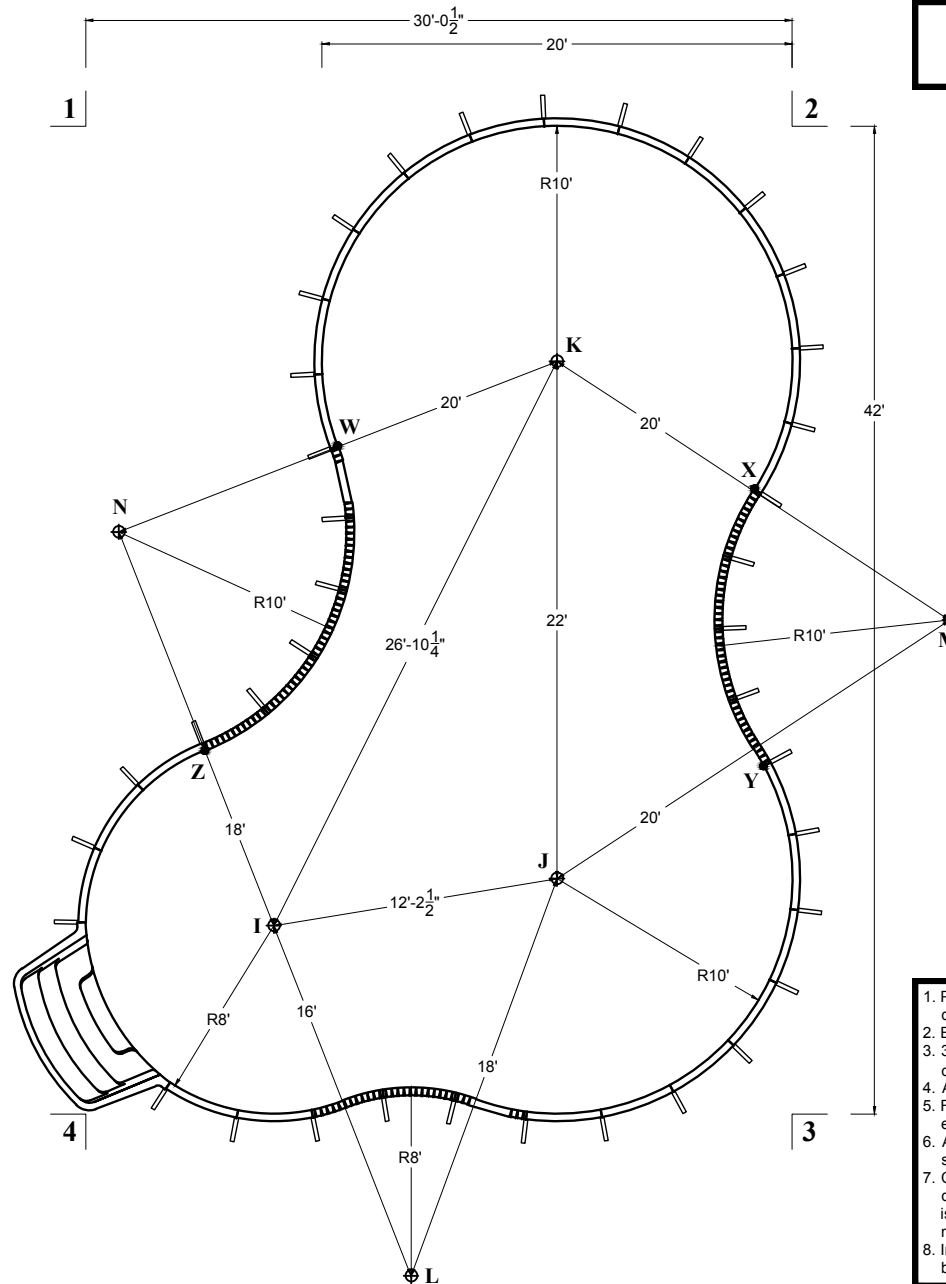
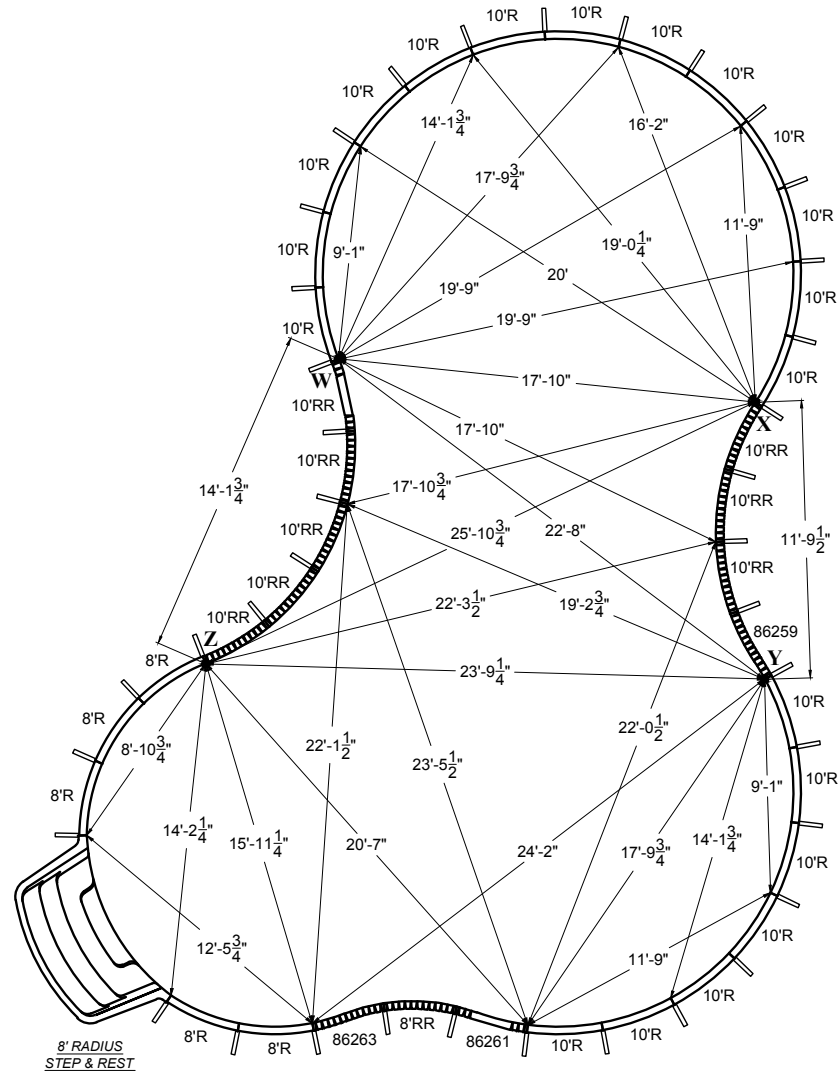
G - A	15'-6"	H - A	31'-2 1/2"
G - B	13'-3 1/4"	H - B	30'-2"
G - C	13'-3 1/4"	H - C	30'-2"
G - D	15'-6"	H - D	31'-2 1/2"
G - E	27'-11 3/4"	H - E	18'-9"
G - F	28'-0 1/2"	H - F	18'-10"
G - H	41'-7 1/2"	H - G	41'-7 1/2"
G - I	36'-4 1/2"	H - I	11'-6 1/4"
G - J	31'-11 1/2"	H - J	10'
G - K	10'	H - K	31'-7 1/2"
G - L	49'-4 1/2"	H - L	8'
G - M	26'-2"	H - M	28'-7"
G - N	26'-1 1/2"	H - N	28'-8 1/4"
G - O	23'-11 1/4"	H - O	31'-8 3/4"
G - P	23'-10 1/2"	H - P	31'-10"

1 - 3	51'-7 3/4"
2 - 4	



1 - 3	51'-7 3/4"
2 - 4	

1 - I	34'-11 1/4"	2 - I	40'-6 1/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	37'-9 1/4"	2 - J	33'-6 1/4"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 3/4"	2 - K	14'-1 3/4"	3 - K	33'-6 1/4"	4 - K	37'-9 1/4"
1 - L	50'-9 3/4"	2 - L	51'-6 1/4"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-4"	2 - M	22'-0 1/2"	3 - M	22'-0 1/2"	4 - M	42'-4"
1 - N	17'-3 3/4"	2 - N	33'-5 1/4"	3 - N	37'-10 1/4"	4 - N	24'-9 1/2"
1 - W	17'-3 3/4"	2 - W	23'-7 1/2"	3 - W	34'-4 1/4"	4 - W	30'-4 1/4"
1 - X	32'-4 1/4"	2 - X	15'-6 1/4"	3 - X	26'-7 1/2"	4 - X	38'-11"
1 - Y	39'-7 3/4"	2 - Y	27'-2 3/4"	3 - Y	14'-10"	4 - Y	32'-4 3/4"
1 - Z	27'-0 1/2"	2 - Z	36'-5 1/2"	3 - Z	29'-4 1/2"	4 - Z	16'-3"



JANUARY
2013

MATRIX
POOL SYSTEM

LAGOON LEFT
20' x 42' x 30'

POOL SURFACE AREA	862.5 ft ² 80.1 m ²	LINER SQ. FT.	1000.6667 ft ²
POOL VOLUME	26500 gal 100300 L	POOL PERIMETER	124'-3" 37.87 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
5. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
6. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
7. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON LEFT
20' x 42' x 30'

POOL SURFACE AREA	868.0 ft ²	LINER SQ. FT.	1011.5012 ft ²
POOL VOLUME	27150 gal	POOL PERIMETER	125'-8"
	102750 L		38.30 m

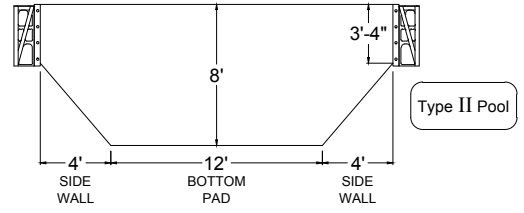
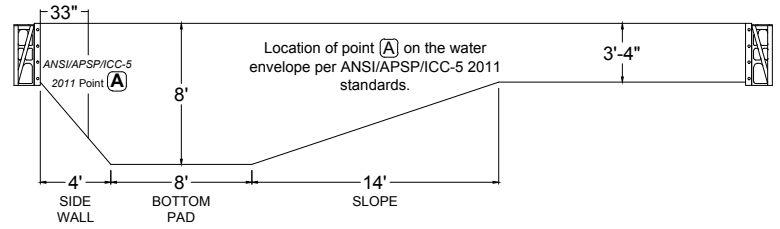
DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
7	8' RADIUS PANEL	42111
20	10' RADIUS PANEL	42112
2	VERSA-FLEX SKIMMER PANEL	42116S
11	VERSA-FLEX PANEL	42115
	10' RADIUS STRAP SET	86273S
1	8' REVERSE RADIUS STRAP SET	86165S
6	10' REVERSE RADIUS STRAP SET	86166S
1	10'RR to 10'R STRAP SET	88894S
1	10'R to 10'RR STRAP SET	88895S
1	10'RR to 8'R STRAP SET	88896S
1	10'R to 10'RR STRAP SET	88897S
1	8'RR to 10'R STRAP SET	88898S
1	8'R to 8'RR STRAP SET	88899S
338	PUSH NUTS	09115
40	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS NEXUS STAIR	NSS003
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

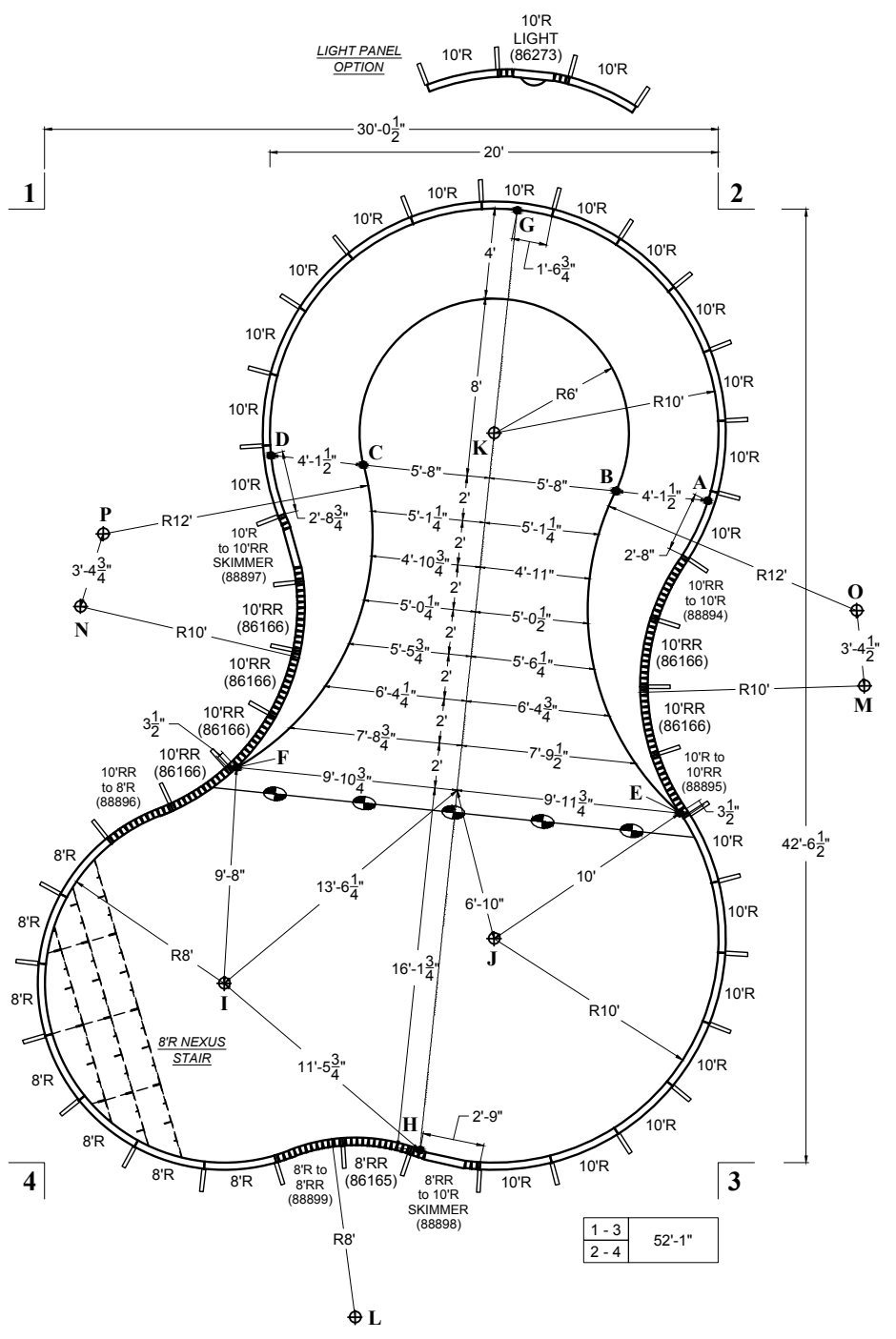
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10' to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	32'-3 3/4"	2 - A	13'-0 1/4"	3 - A	29'-6 1/2"	4 - A	41'-9 3/4"
1 - B	28'-5"	2 - B	13'-4 1/2"	3 - B	30'-3 3/4"	4 - B	39'-4"
1 - C	18'-2 3/4"	2 - C	19'-6 1/4"	3 - C	34'-11 1/4"	4 - C	34'-2 3/4"
1 - D	14'-11"	2 - D	22'-9 1/4"	3 - D	37'-4"	4 - D	33'-1 3/4"
1 - E	39'-1 1/4"	2 - E	27'	3 - E	15'-8 1/4"	4 - E	32'-4"
1 - F	26'-4"	2 - F	32'-10 3/4"	3 - F	27'-9 3/4"	4 - F	19'-7 1/4"
1 - G	21'-1"	2 - G	8'-11 3/4"	3 - G	43'-5 1/4"	4 - G	47'-5 1/4"
1 - H	45'-2 1/2"	2 - H	44'-0 1/2"	3 - H	13'-3 3/4"	4 - H	16'-9"
1 - I	35'-5 1/2"	2 - I	40'-11 3/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	38'-2 3/4"	2 - J	34'-0 1/2"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 1/2"	2 - K	14'-1 1/2"	3 - K	34'-1"	4 - K	38'-3"
1 - L	51'-4 1/4"	2 - L	52'-0 1/2"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-3 3/4"	2 - M	22'-3"	3 - M	22'-3"	4 - M	42'-3 3/4"
1 - N	17'-9 1/2"	2 - N	33'-6 1/4"	3 - N	37'-9"	4 - N	24'-10 1/2"
1 - O	40'-5"	2 - O	18'-11 1/4"	3 - O	25'-4 3/4"	4 - O	43'-9 3/4"
1 - P	14'-8 1/2"	2 - P	31'-0 1/4"	3 - P	39'-3"	4 - P	28'-2 1/4"



G - A	15'-6"	H - A	31'-8 1/2"
G - B	13'-3 1/4"	H - B	30'-8"
G - C	13'-3 1/4"	H - C	30'-8"
G - D	15'-6"	H - D	31'-8 1/2"
G - E	27'-10 1/4"	H - E	18'-11 3/4"
G - F	27'-10"	H - F	18'-11 1/4"
G - H	42'-1 3/4"	H - G	42'-1 3/4"
G - I	36'-10 3/4"	H - I	11'-5 3/4"
G - J	32'-6 1/4"	H - J	10'
G - K	10'	H - K	32'-1 3/4"
G - L	49'-11"	H - L	8'
G - M	26'-3 1/4"	H - M	28'-8"
G - N	26'-3 1/2"	H - N	28'-7 1/4"
G - O	23'-5"	H - O	30'-11 3/4"
G - P	23'-5 1/4"	H - P	30'-11"



1 - 3	52'-1"
2 - 4	

1 - 3	52'-1"
2 - 4	

1 - I	35'-5 1/2"
1 - J	38'-2 3/4"
1 - K	22'-4 1/2"
1 - L	51'-4 1/4"
1 - M	42'-3 3/4"
1 - N	17'-9 1/2"
1 - W	17'-3 3/4"
1 - X	32'-4 1/4"
1 - Y	39'-4 1/2"
1 - Z	28'-5 3/4"

2 - I	40'-11 3/4"
2 - J	34'-0 1/2"
2 - K	14'-1 1/2"
2 - L	52'-0 1/2"
2 - M	22'-3"
2 - N	33'-6 1/4"
2 - W	23'-7 1/2"
2 - X	15'-6 1/4"
2 - Y	27'-2 3/4"
2 - Z	39'-2"

3 - I	23'-5 1/2"
3 - J	14'-1 3/4"
3 - K	34'-1"
3 - L	17'-7 1/4"
3 - M	22'-3"
3 - N	37'-9"
3 - W	34'-9 3/4"
3 - X	27'-2"
3 - Y	15'-5 1/4"
3 - Z	30'-7"

4 - I	11'-3 3/4"
4 - J	22'-4 3/4"
4 - K	38'-3"
4 - L	15'-5 1/2"
4 - M	42'-3 3/4"
4 - N	24'-10 1/2"
4 - W	30'-10 1/2"
4 - X	39'-3 3/4"
4 - Y	32'-4 1/2"
4 - Z	14'-6 1/2"

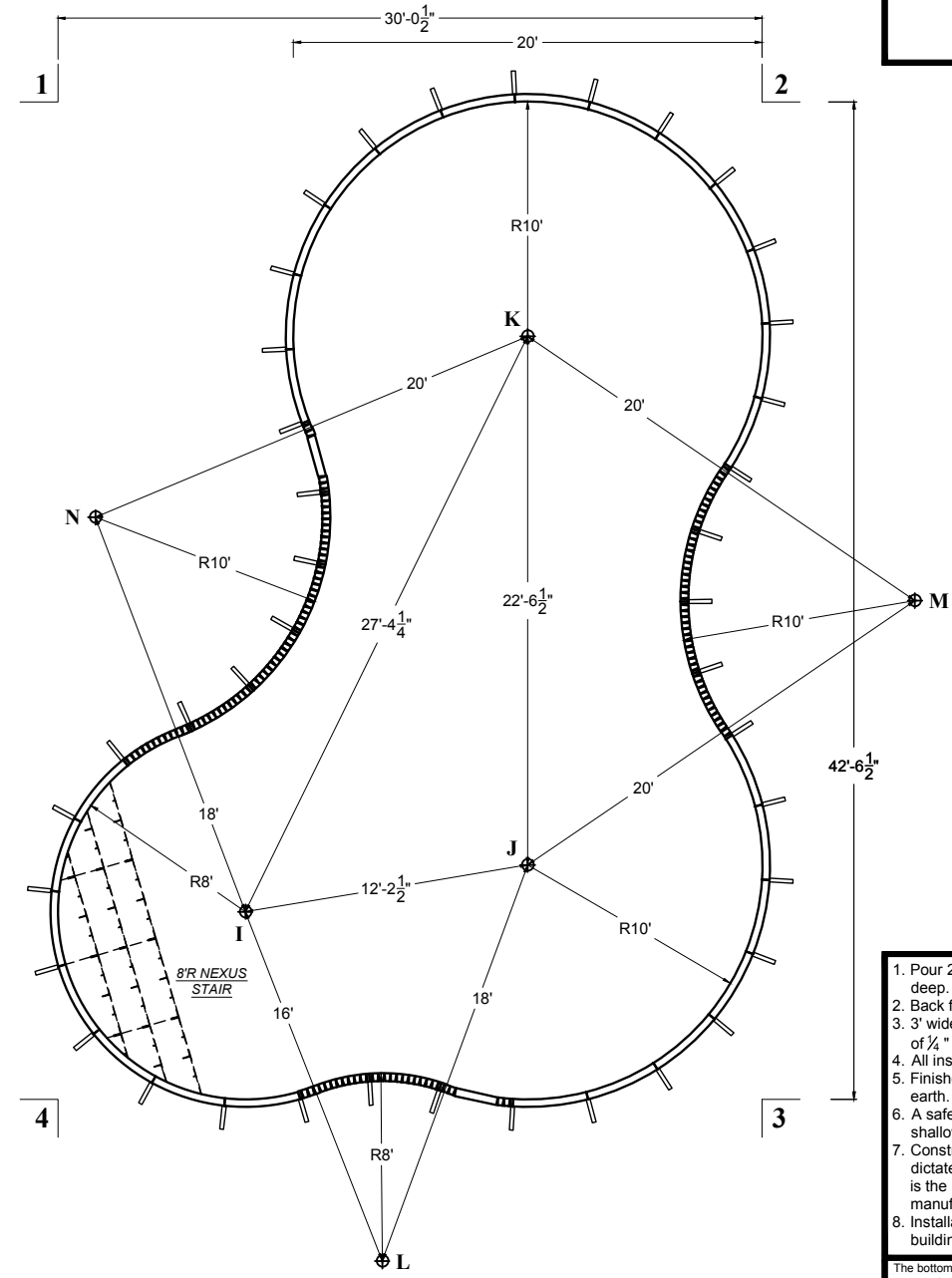
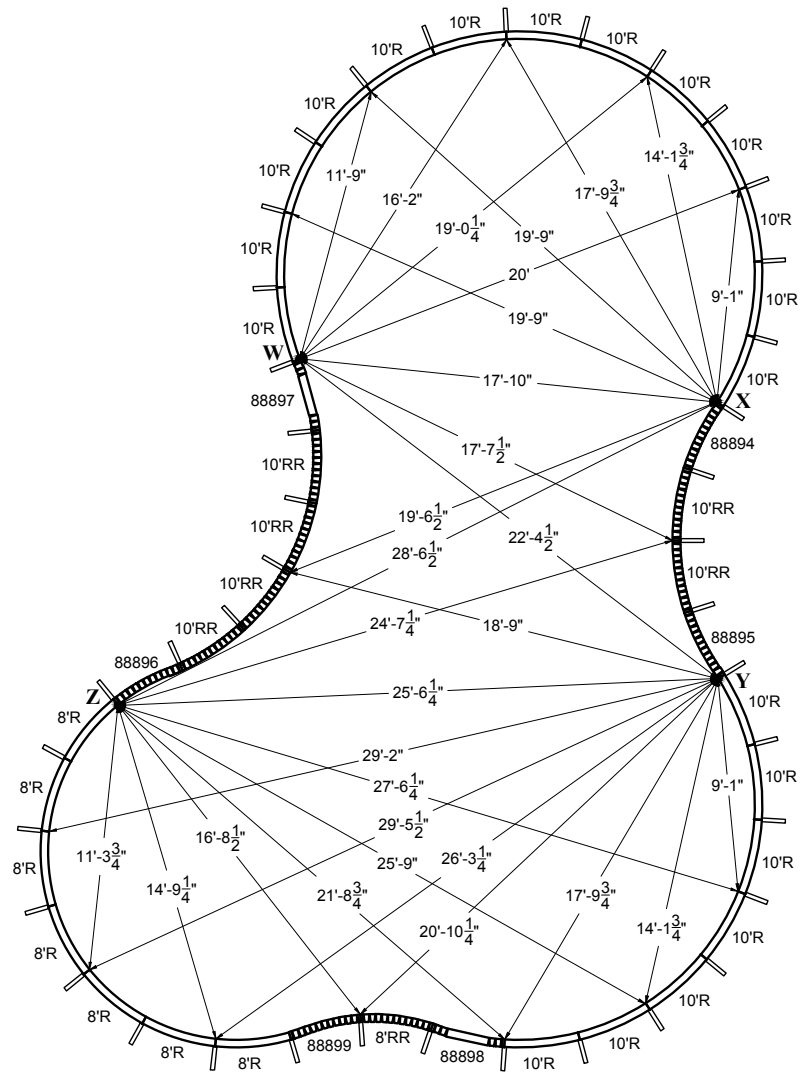
JANUARY 2013

MATRIX
POOL SYSTEM

LAGOON LEFT
20' x 42' x 30'

POOL SURFACE AREA	868.0 ft ² 80.6 m ²	LINER SQ. FT.	1011.5012 ft ²
POOL VOLUME	27150 gal 102750 L	POOL PERIMETER	125'-8" 38.30 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON RIGHT
20' x 42' x 30'

POOL SURFACE AREA	862.5 ft ²	LINER SQ. FT.	1000.6667 ft ²
POOL VOLUME	26500 gal	POOL PERIMETER	124'-3"
	100300 L		37.87 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #	
5	8' RADIUS PANEL	42111
20	10' RADIUS PANEL	42112
2	VERSA-FLEX SKIMMER PANEL	42116S
10	VERSA-FLEX PANEL	42115
	10' RADIUS STRAP SET	86273S
1	8' REVERSE RADIUS STRAP SET	86165S
8	10' REVERSE RADIUS STRAP SET	86166S
1	10'RR to 10'R STRAP SET	86260S
1	10'R to 8'RR STRAP SET	86262S
1	8'RR to 8'R STRAP SET	86264S
312	PUSH NUTS	09115
38	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS STEP & REST	07418RSNR
12"	3/8"-16X HEX WASHER HEAD BOLT	148838
12"	3/8"-16 HEX WASHER HEAD NUT	149664
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

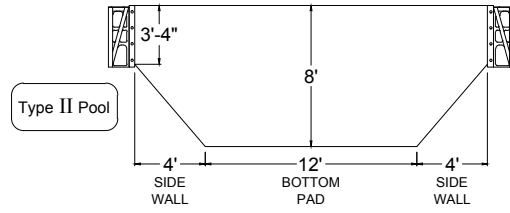
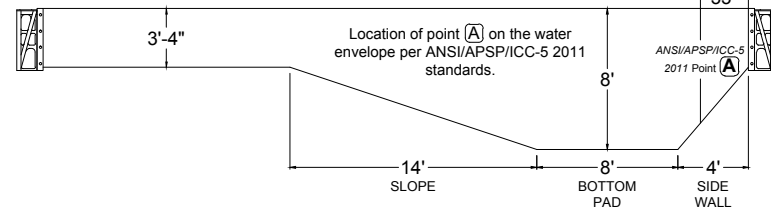
* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

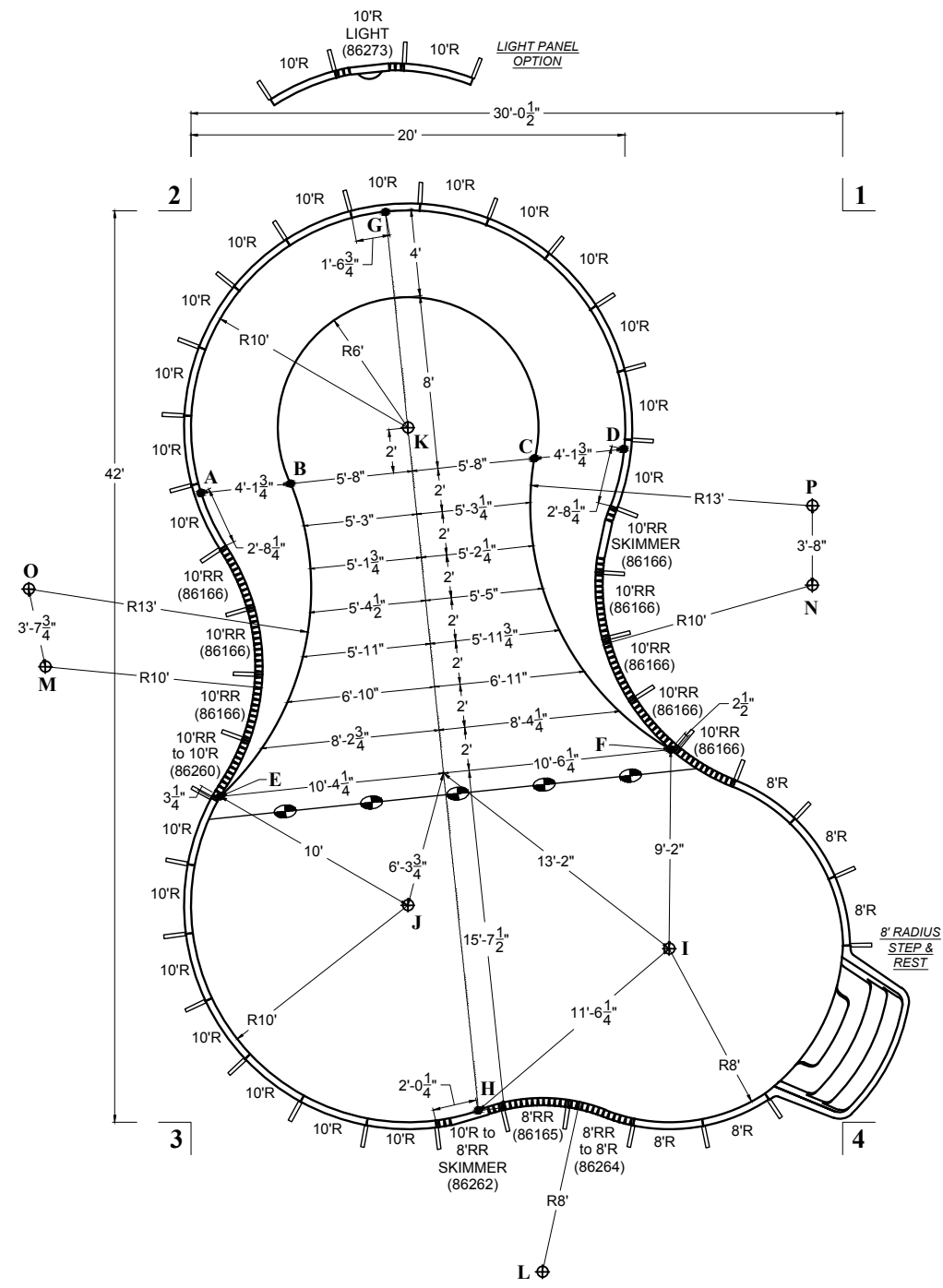
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	32'-3 3/4"	2 - A	13'	3 - A	29'	4 - A	41'-5 1/4"
1 - B	28'-4 3/4"	2 - B	13'-4 1/2"	3 - B	29'-9 1/2"	4 - B	38'-11"
1 - C	18'-2 3/4"	2 - C	19'-6 1/4"	3 - C	34'-5 1/4"	4 - C	33'-8 3/4"
1 - D	14'-11"	2 - D	22'-9 1/4"	3 - D	36'-10 1/2"	4 - D	32'-7 1/2"
1 - E	39'-4 3/4"	2 - E	27'-0 1/4"	3 - E	15'-1"	4 - E	32'-4 3/4"
1 - F	26'-0 3/4"	2 - F	33'-3"	3 - F	28'	4 - F	18'-11"
1 - G	21'-1"	2 - G	8'-11 3/4"	3 - G	42'-10 3/4"	4 - G	46'-11 1/4"
1 - H	44'-8 3/4"	2 - H	43'-6 1/4"	3 - H	13'-3 1/4"	4 - H	16'-9 1/2"
1 - I	34'-11 1/4"	2 - I	40'-6 1/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	37'-9 1/4"	2 - J	33'-6 1/4"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 3/4"	2 - K	14'-1 3/4"	3 - K	33'-6 1/4"	4 - K	37'-9 1/4"
1 - L	50'-9 3/4"	2 - L	51'-6 1/4"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-4"	2 - M	22'-0 1/2"	3 - M	22'-0 1/2"	4 - M	42'-4"
1 - N	17'-3 3/4"	2 - N	33'-5 1/4"	3 - N	37'-10 1/4"	4 - N	24'-9 1/2"
1 - O	41'-4 1/2"	2 - O	18'-11 3/4"	3 - O	25'-8"	4 - O	44'-10 1/4"
1 - P	13'-8"	2 - P	31'-8 1/2"	3 - P	40'-4 1/4"	4 - P	28'-5 1/4"



G - A	15'-6"	H - A	31'-2 1/2"
G - B	13'-3 1/4"	H - B	30'-2"
G - C	13'-3 1/4"	H - C	30'-2"
G - D	15'-6"	H - D	31'-2 1/2"
G - E	27'-11 3/4"	H - E	18'-9"
G - F	28'-0 1/2"	H - F	18'-10"
G - H	41'-7 1/2"	H - G	41'-7 1/2"
G - I	36'-4 1/2"	H - I	11'-6 1/4"
G - J	31'-11 1/2"	H - J	10'
G - K	10'	H - K	31'-7 1/2"
G - L	49'-4 1/2"	H - L	8'
G - M	26'-2"	H - M	28'-7"
G - N	26'-1 1/2"	H - N	28'-8 1/4"
G - O	23'-11 1/4"	H - O	31'-8 3/4"
G - P	23'-10 1/2"	H - P	31'-10"



1 - 3	51'-7 3/4"
2 - 4	

1 - I	34'-11 1/4"
1 - J	37'-9 1/4"
1 - K	22'-4 3/4"
1 - L	50'-9 3/4"
1 - M	42'-4"
1 - N	17'-3 3/4"
1 - W	17'-3 3/4"
1 - X	32'-4 1/4"
1 - Y	39'-7 3/4"
1 - Z	27'-0 1/2"

2 - I	40'-6 1/4"
2 - J	33'-6 1/4"
2 - K	14'-1 3/4"
2 - L	51'-6 1/4"
2 - M	22'-0 1/2"
2 - N	33'-5 1/4"
2 - W	23'-7 1/2"
2 - X	15'-6 1/4"
2 - Y	27'-2 3/4"
2 - Z	36'-5 1/2"

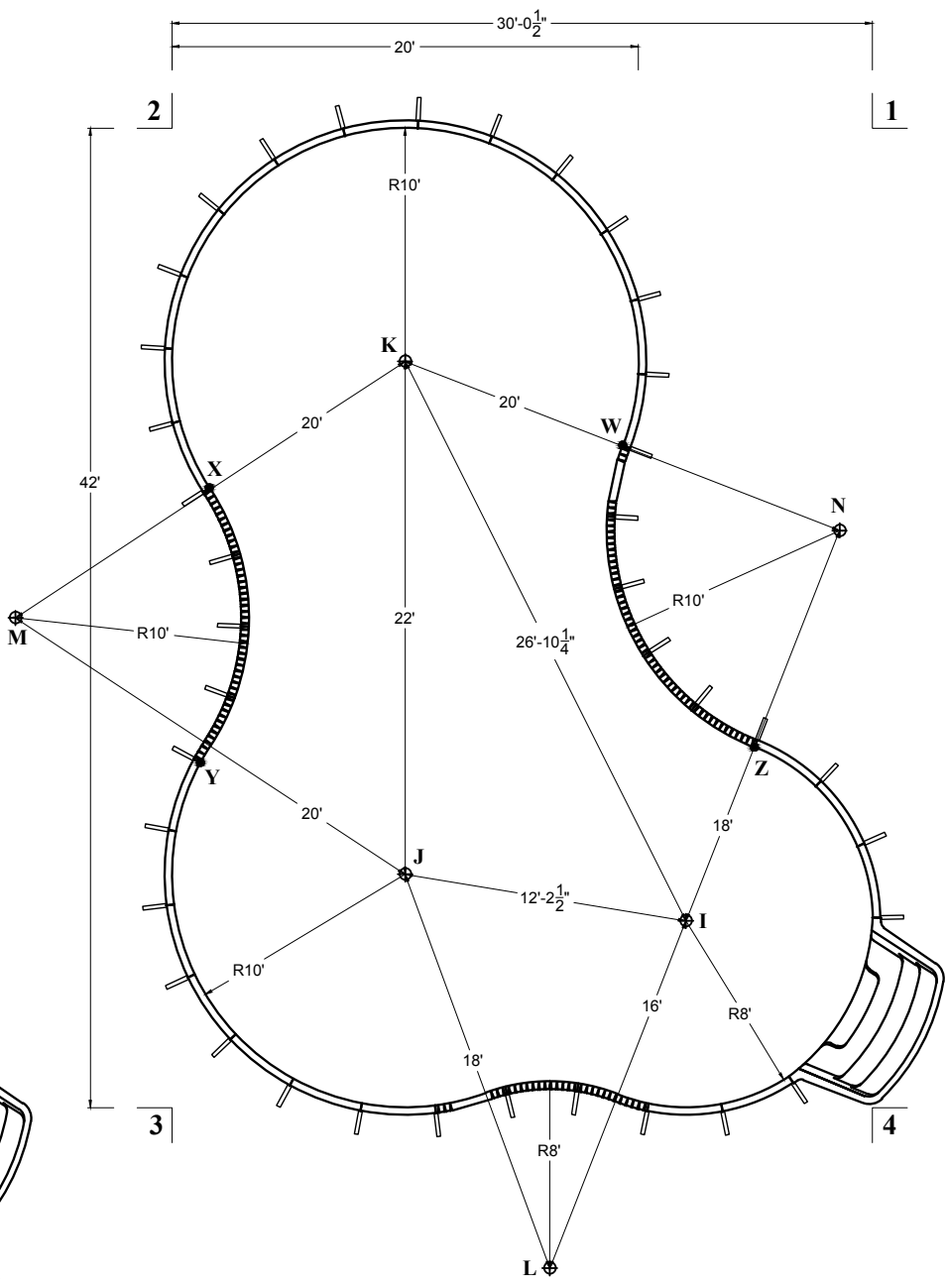
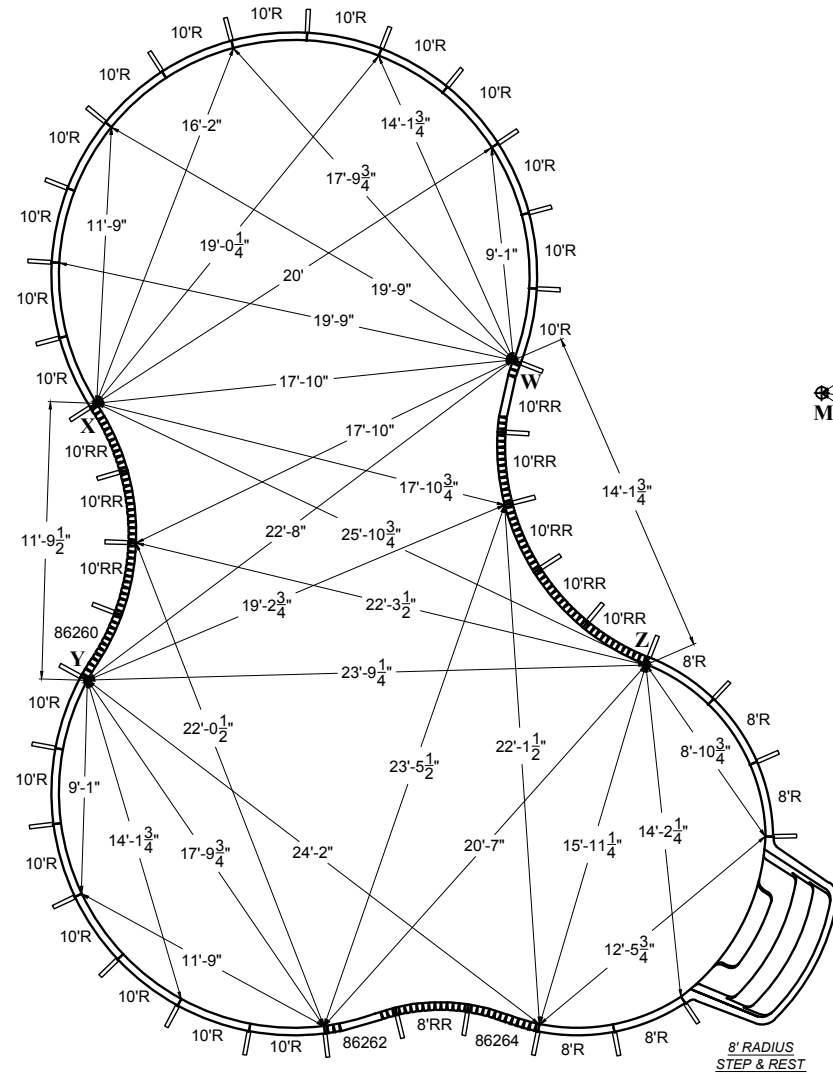
3 - I	23'-5 1/2"
3 - J	14'-1 3/4"
3 - K	33'-6 1/4"
3 - L	17'-7 1/4"
3 - M	22'-0 1/2"
3 - N	37'-10 1/4"
3 - W	34'-4 1/4"
3 - X	26'-7 1/2"
3 - Y	14'-10"
3 - Z	29'-4 1/2"

4 - I	11'-3 3/4"
4 - J	22'-4 3/4"
4 - K	37'-9 1/4"
4 - L	15'-5 1/2"
4 - M	42'-4"
4 - N	24'-9 1/2"
4 - W	30'-4 1/4"
4 - X	38'-11"
4 - Y	32'-4 3/4"
4 - Z	16'-3"

LAGOON RIGHT
20' x 42' x 30'

POOL SURFACE AREA	862.5 ft ² 80.1 m ²	LINER SQ. FT.	1000.6667 ft ²
POOL VOLUME	26500 gal 100300 L	POOL PERIMETER	124'-3" 37.87 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

LAGOON RIGHT
20' x 42' x 30'

POOL SURFACE AREA	868.0 ft ²	LINER SQ. FT.	1011.5012 ft ²
POOL VOLUME	27150 gal	POOL PERIMETER	125'-8"
	102750 L		38.30 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

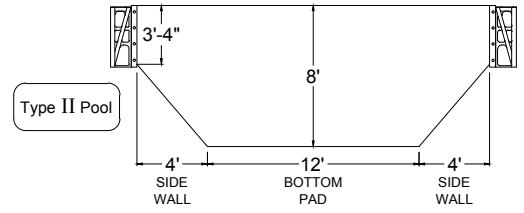
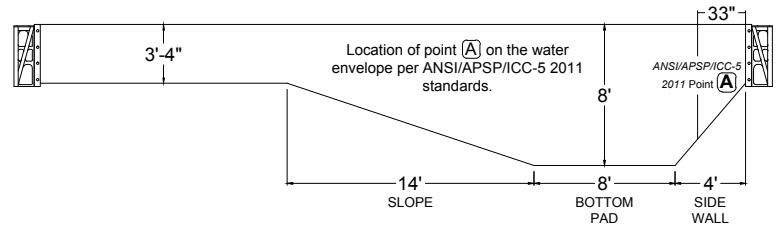
NEXUS END STAIR

ITEM DESCRIPTION	PART #	
7	8' RADIUS PANEL	42111
20	10' RADIUS PANEL	42112
2	VERSA-FLEX SKIMMER PANEL	42116S
11	VERSA-FLEX PANEL	42115
	10' RADIUS STRAP SET	86273S
1	8' REVERSE RADIUS STRAP SET	86165S
6	10' REVERSE RADIUS STRAP SET	86166S
1	10'RR to 10'R STRAP SET	88900S
1	8'R to 10'RR STRAP SET	88901S
1	10'RR to 10'R STRAP SET	88902S
1	10'R to 10'RR STRAP SET	88903S
1	8'RR to 8'R STRAP SET	88904S
1	10'R to 8'RR STRAP SET	88905S
338	PUSH NUTS	09115
40	BRACE SYSTEM COMPLETE	42146
1	8' RADIUS NEXUS STAIR	NSS003
	CHANNEL-LOC SONOTUBE	86151
	VERSA-FLEX STANDARD LIGHT PANEL	42116L

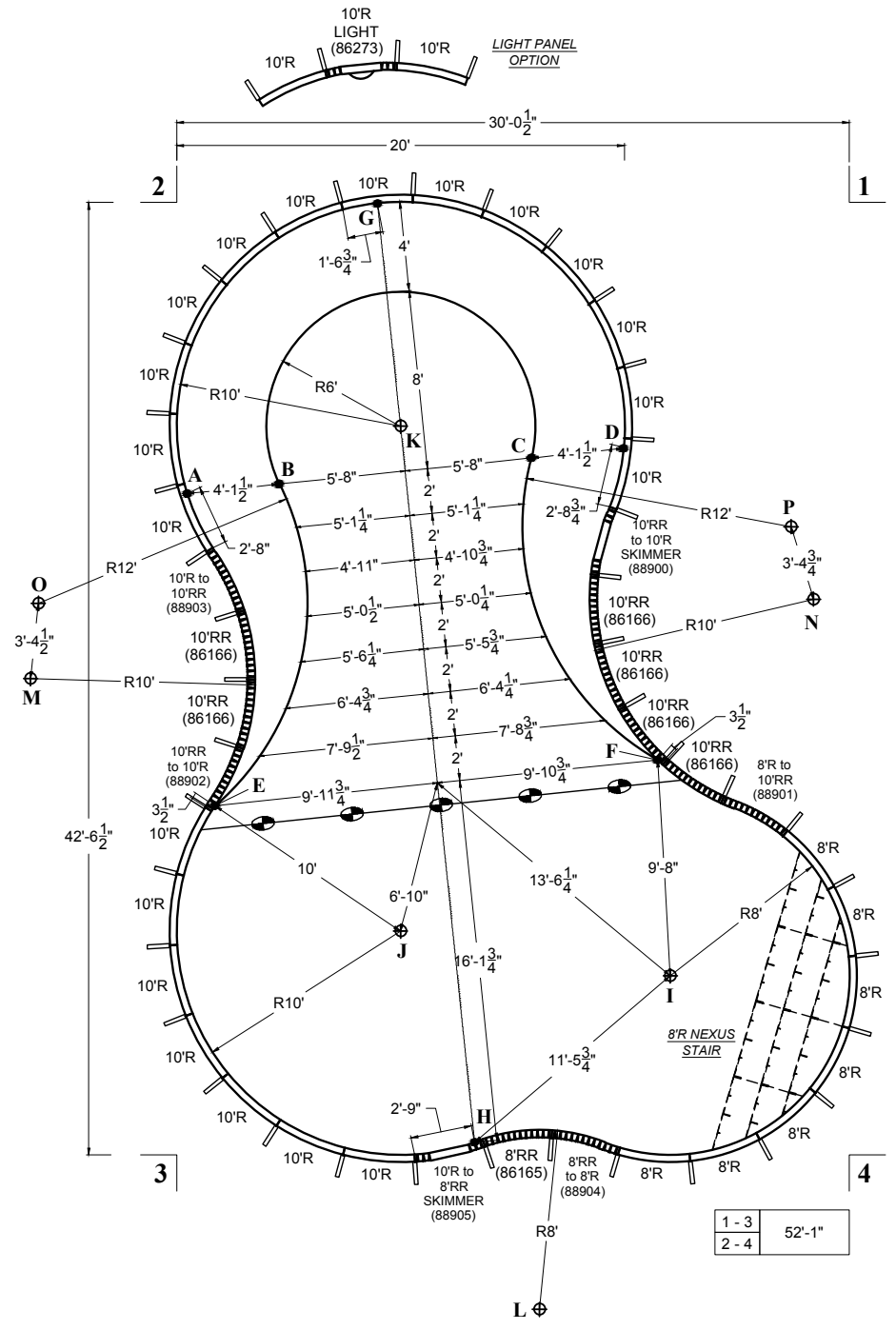
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1' away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

1 - A	32'-3 3/4"	2 - A	13'-0 1/4"	3 - A	29'-6 1/2"	4 - A	41'-9 3/4"
1 - B	28'-5"	2 - B	13'-4 1/2"	3 - B	30'-3 3/4"	4 - B	39'-4"
1 - C	18'-2 3/4"	2 - C	19'-6 1/4"	3 - C	34'-11 1/4"	4 - C	34'-2 3/4"
1 - D	14'-11"	2 - D	22'-9 1/4"	3 - D	37'-4"	4 - D	33'-1 3/4"
1 - E	39'-1 1/4"	2 - E	27'	3 - E	15'-8 1/4"	4 - E	32'-4"
1 - F	26'-4"	2 - F	32'-10 3/4"	3 - F	27'-9 3/4"	4 - F	19'-7 1/4"
1 - G	21'-1"	2 - G	8'-11 3/4"	3 - G	43'-5 1/4"	4 - G	47'-5 1/4"
1 - H	45'-2 1/2"	2 - H	44'-0 1/2"	3 - H	13'-3 3/4"	4 - H	16'-9"
1 - I	35'-5 1/2"	2 - I	40'-11 3/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	38'-2 3/4"	2 - J	34'-0 1/2"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 1/2"	2 - K	14'-1 1/2"	3 - K	34'-1"	4 - K	38'-3"
1 - L	51'-4 1/4"	2 - L	52'-0 1/2"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-3 3/4"	2 - M	22'-3"	3 - M	22'-3"	4 - M	42'-3 3/4"
1 - N	17'-9 1/2"	2 - N	33'-6 1/4"	3 - N	37'-9"	4 - N	24'-10 1/2"
1 - O	40'-5"	2 - O	18'-11 1/4"	3 - O	25'-4 3/4"	4 - O	43'-9 3/4"
1 - P	14'-8 1/2"	2 - P	31'-0 1/4"	3 - P	39'-3"	4 - P	28'-2 1/4"



G - A	15'-6"	H - A	31'-8 1/2"
G - B	13'-3 1/4"	H - B	30'-8"
G - C	13'-3 1/4"	H - C	30'-8"
G - D	15'-6"	H - D	31'-8 1/2"
G - E	27'-10 1/4"	H - E	18'-11 3/4"
G - F	27'-10"	H - F	18'-11 1/4"
G - H	42'-1 3/4"	H - G	42'-1 3/4"
G - I	36'-10 3/4"	H - I	11'-5 3/4"
G - J	32'-6 1/4"	H - J	10'
G - K	10'	H - K	32'-1 3/4"
G - L	49'-11"	H - L	8'
G - M	26'-3 1/4"	H - M	28'-8"
G - N	26'-3 1/2"	H - N	28'-7 1/4"
G - O	23'-5"	H - O	30'-11 3/4"
G - P	23'-5 1/4"	H - P	30'-11"



1 - 3	52'-1"
2 - 4	

1 - 3	52'-1"
2 - 4	

1 - I	35'-5 1/2"	2 - I	40'-11 3/4"	3 - I	23'-5 1/2"	4 - I	11'-3 3/4"
1 - J	38'-2 3/4"	2 - J	34'-0 1/2"	3 - J	14'-1 3/4"	4 - J	22'-4 3/4"
1 - K	22'-4 1/2"	2 - K	14'-1 1/2"	3 - K	34'-1"	4 - K	38'-3"
1 - L	51'-4 1/4"	2 - L	52'-0 1/2"	3 - L	17'-7 1/4"	4 - L	15'-5 1/2"
1 - M	42'-3 3/4"	2 - M	22'-3"	3 - M	22'-3"	4 - M	42'-3 3/4"
1 - N	17'-9 1/2"	2 - N	33'-6 1/4"	3 - N	37'-9"	4 - N	24'-10 1/2"
1 - W	17'-3 3/4"	2 - W	23'-7 1/2"	3 - W	34'-9 3/4"	4 - W	30'-10 1/2"
1 - X	32'-4 1/4"	2 - X	15'-6 1/4"	3 - X	27'-2"	4 - X	39'-3 3/4"
1 - Y	39'-4 1/2"	2 - Y	27'-2 3/4"	3 - Y	15'-5 1/4"	4 - Y	32'-4 1/2"
1 - Z	28'-5 3/4"	2 - Z	39'-2"	3 - Z	30'-7"	4 - Z	14'-6 1/2"

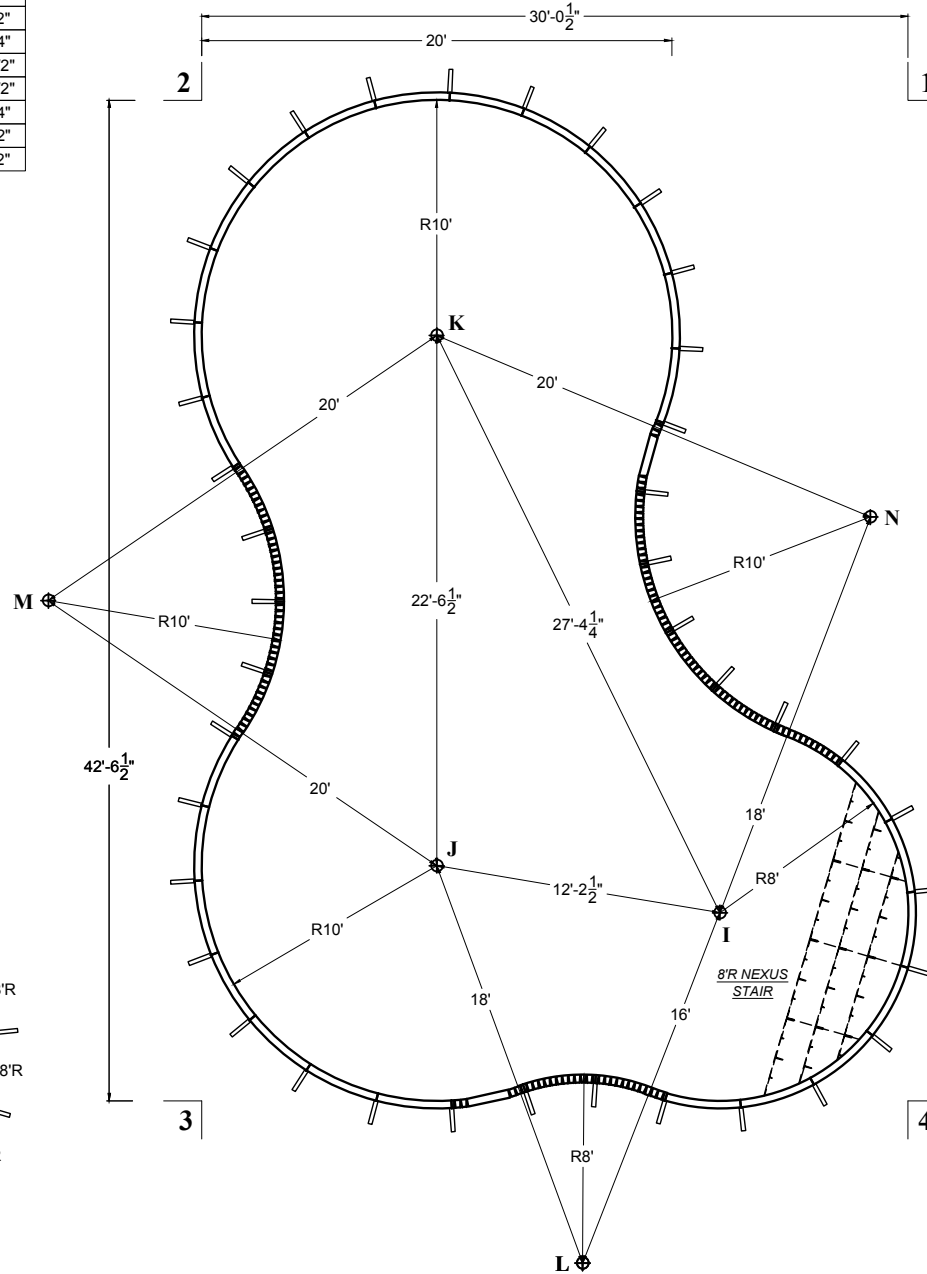
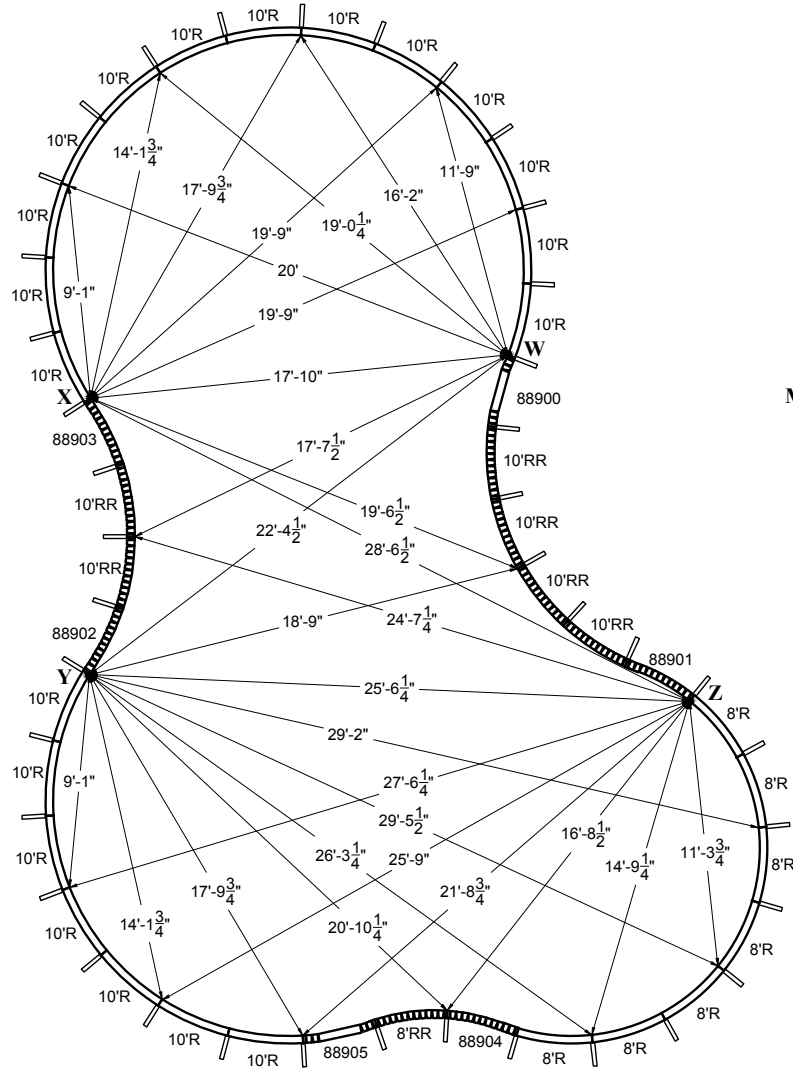
JANUARY 2013

MATRIX
POOL SYSTEM

LAGOON RIGHT
20' x 42' x 30'

POOL SURFACE AREA	868.0 ft ² 80.6 m ²	LINER SQ. FT.	1011.5012 ft ²
POOL VOLUME	27150 gal 102750 L	POOL PERIMETER	125'-8" 38.30 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

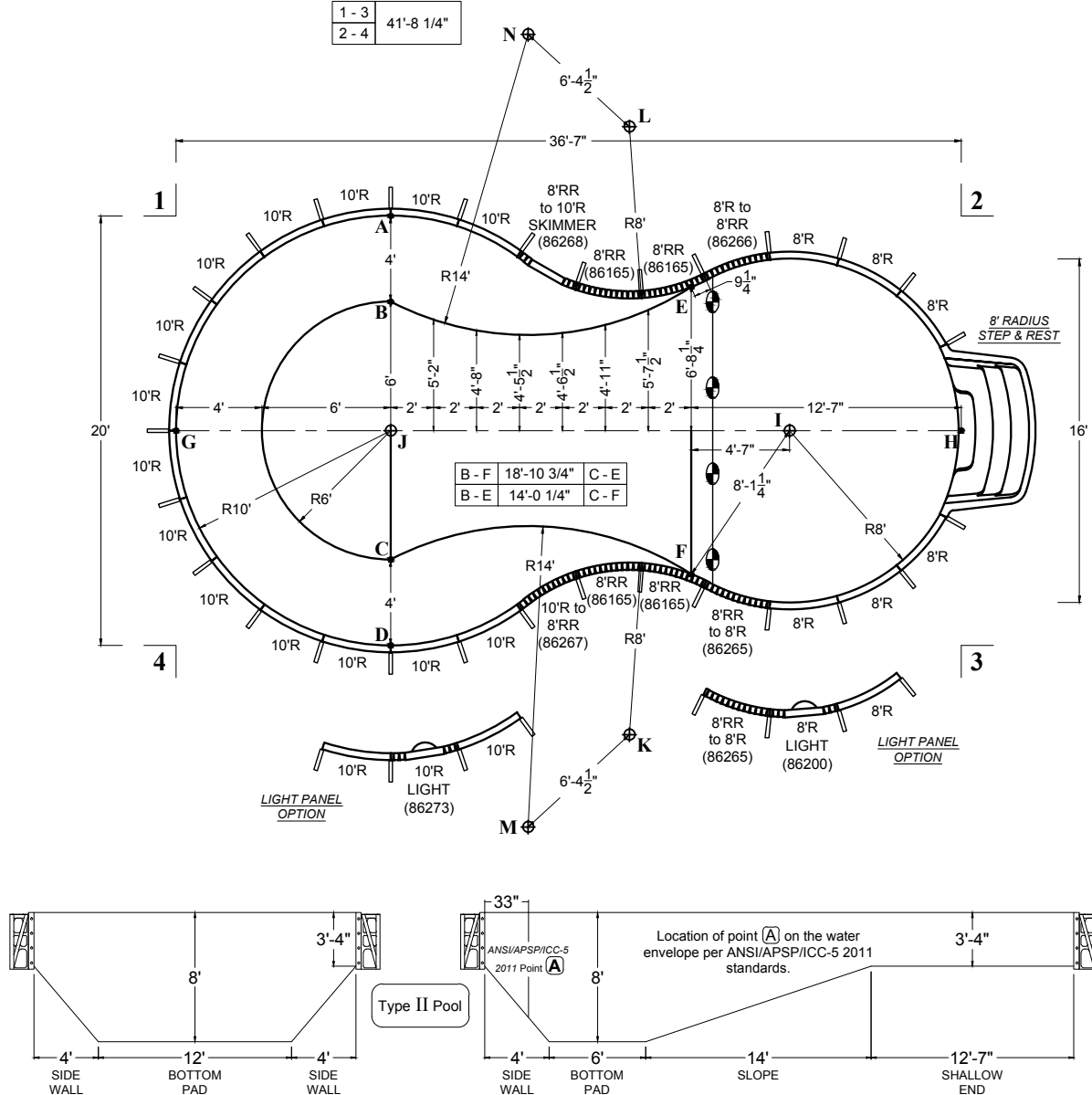
FIGURE 8
16' x 37'

1 - A	10'
1 - B	10'-9 1/4"
1 - C	18'-10 1/2"
1 - D	22'-4 1/4"
1 - E	24'-2 3/4"
1 - F	29'-2 3/4"
1 - G	10'
1 - H	37'-11"
1 - I	30'-3 1/2"
1 - J	14'-1 3/4"
1 - K	32'-1"
1 - L	21'-6 1/4"
1 - M	32'-10"
1 - N	18'-5 1/2"

G - A	14'-1 3/4"
G - B	11'-8"
G - C	11'-8"
G - D	14'-1 3/4"
G - E	24'-11"
G - F	24'-11"
G - H	36'-7"
G - I	28'-7"
G - J	10'
G - K	25'-5"
G - L	25'-5"
G - M	24'-8 1/4"
G - N	24'-8 1/4"

4 - A	22'-4 1/4"
4 - B	18'-10 1/2"
4 - C	10'-9 1/4"
4 - D	10'
4 - E	29'-2 3/4"
4 - F	24'-2 3/4"
4 - G	10'
4 - H	37'-11"
4 - I	30'-3 1/2"
4 - J	14'-1 3/4"
4 - K	21'-6 1/4"
4 - L	32'-1"
4 - M	18'-5 1/2"
4 - N	32'-10"

1 - 3	41'-8 1/4"
2 - 4	



2 - A	26'-7"
2 - B	26'-10 1/2"
2 - C	31'-0 1/4"
2 - D	33'-3 1/4"
2 - E	13'-0 1/4"
2 - F	20'-10 3/4"
2 - G	37'-11"
2 - H	10'
2 - I	12'-9 3/4"
2 - J	28'-4 3/4"
2 - K	28'-8 1/4"
2 - L	16'
2 - M	34'-10 1/2"
2 - N	21'-10 1/2"

H - A	28'-4 3/4"
H - B	27'-3"
H - C	27'-3"
H - D	28'-4 3/4"
H - E	14'-3"
H - F	14'-3"
H - G	36'-7"
H - I	10'
H - J	28'-7"
H - K	20'-11 1/2"
H - L	20'-11 1/2"
H - M	27'-4"
H - N	27'-4"

3 - A	33'-3 1/4"
3 - B	31'-0 1/4"
3 - C	26'-10 1/2"
3 - D	26'-7"
3 - E	20'-10 3/4"
3 - F	13'-0 1/4"
3 - G	37'-11"
3 - H	10'
3 - I	12'-9 3/4"
3 - J	28'-4 3/4"
3 - K	16'
3 - L	28'-8 1/4"
3 - M	21'-10 1/2"
3 - N	34'-10 1/2"

POOL SURFACE AREA	→ 544.6 ft ²	LINER SQ. FT.	→ 731.6667 ft ²
POOL VOLUME	→ 19300 gal	POOL PERIMETER	→ 96'-1"
			→ 29.28 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
8' RADIUS PANEL	42111
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
8' REVERSE RADIUS STRAP SET	86165S
8' RADIUS STRAP SET	86200S
10' RADIUS STRAP SET	86273S
8'RR to 8'R STRAP SET	86265S
8'R to 8'RR STRAP SET	86266S
10'R to 10'R STRAP SET	86268S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

JANUARY
2013

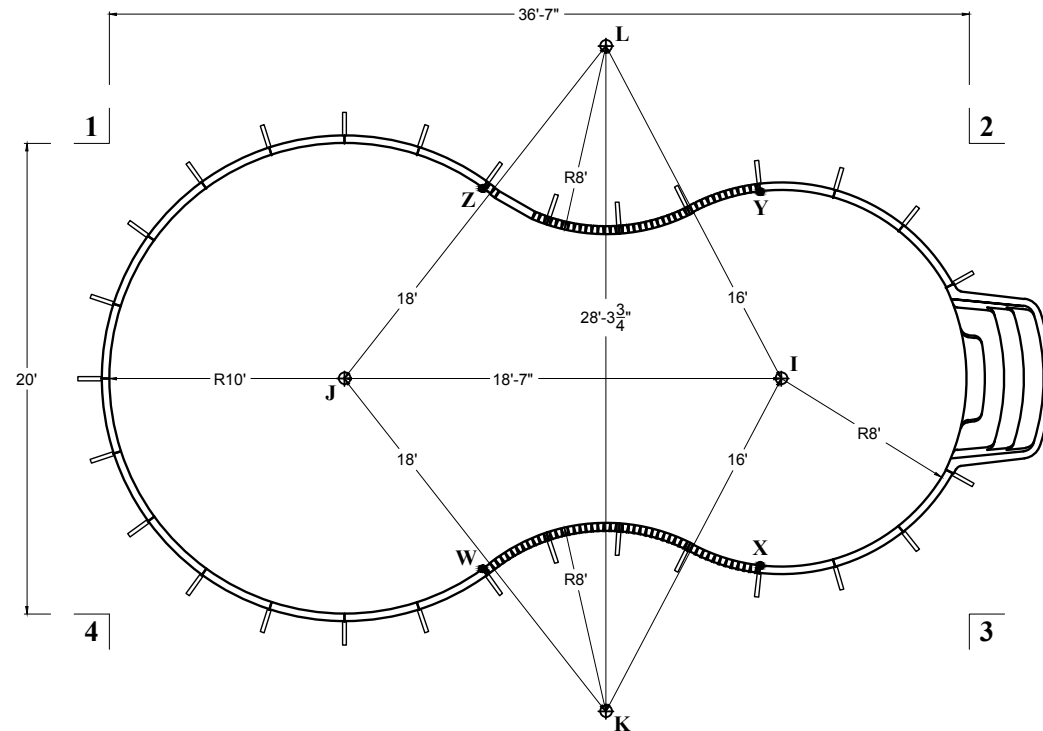
MATRIX
POOL SYSTEM

FIGURE 8

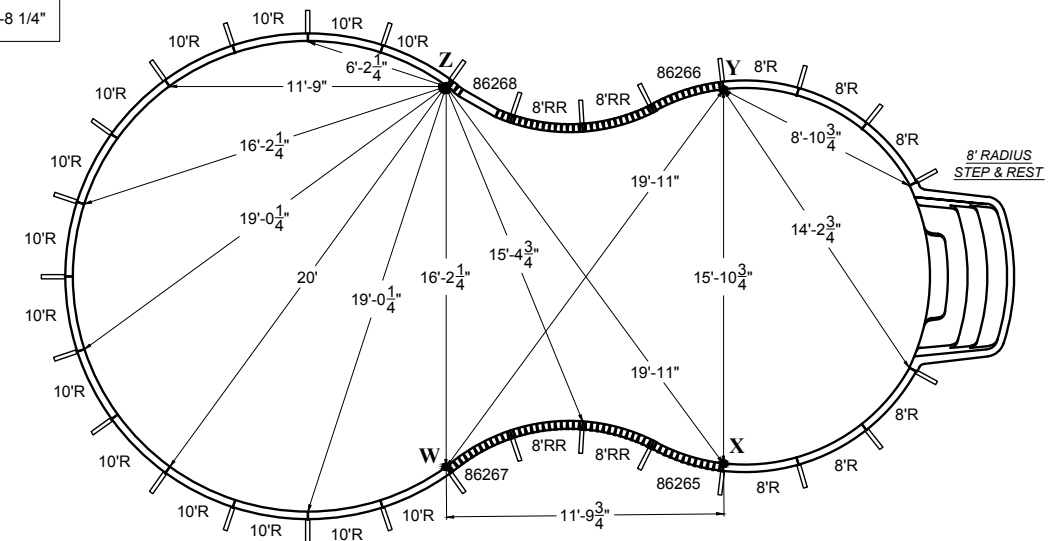
16' x 37'

POOL SURFACE AREA	→ 544.6 ft ² 50.6 m ²	LINER SQ. FT.	→ 731.6667 ft ²
POOL VOLUME	→ 19300 gal 73050 L	POOL PERIMETER	→ 96'-1"

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	41'-8 1/4"
2 - 4	



1 - I	30'-3 1/2"	2 - I	12'-9 3/4"	3 - I	12'-9 3/4"	4 - I	30'-3 1/2"
1 - J	14'-1 3/4"	2 - J	28'-4 3/4"	3 - J	28'-4 3/4"	4 - J	14'-1 3/4"
1 - K	32'-1"	2 - K	28'-8 1/4"	3 - K	16'	4 - K	21'-6 1/4"
1 - L	21'-6 1/4"	2 - L	16'	3 - L	28'-8 1/4"	4 - L	32'-1"
1 - W	24'-0 3/4"	2 - W	27'-6"	3 - W	20'-9 1/2"	4 - W	16'
1 - X	33'	2 - X	20'-0 1/2"	3 - X	9'-1 3/4"	4 - X	27'-9"
1 - Y	27'-9"	2 - Y	9'-1 3/4"	3 - Y	20'-0 1/2"	4 - Y	33'
1 - Z	16'	2 - Z	20'-9 1/2"	3 - Z	27'-6"	4 - Z	24'-0 3/4"

1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

FIGURE 8
20' x 40'

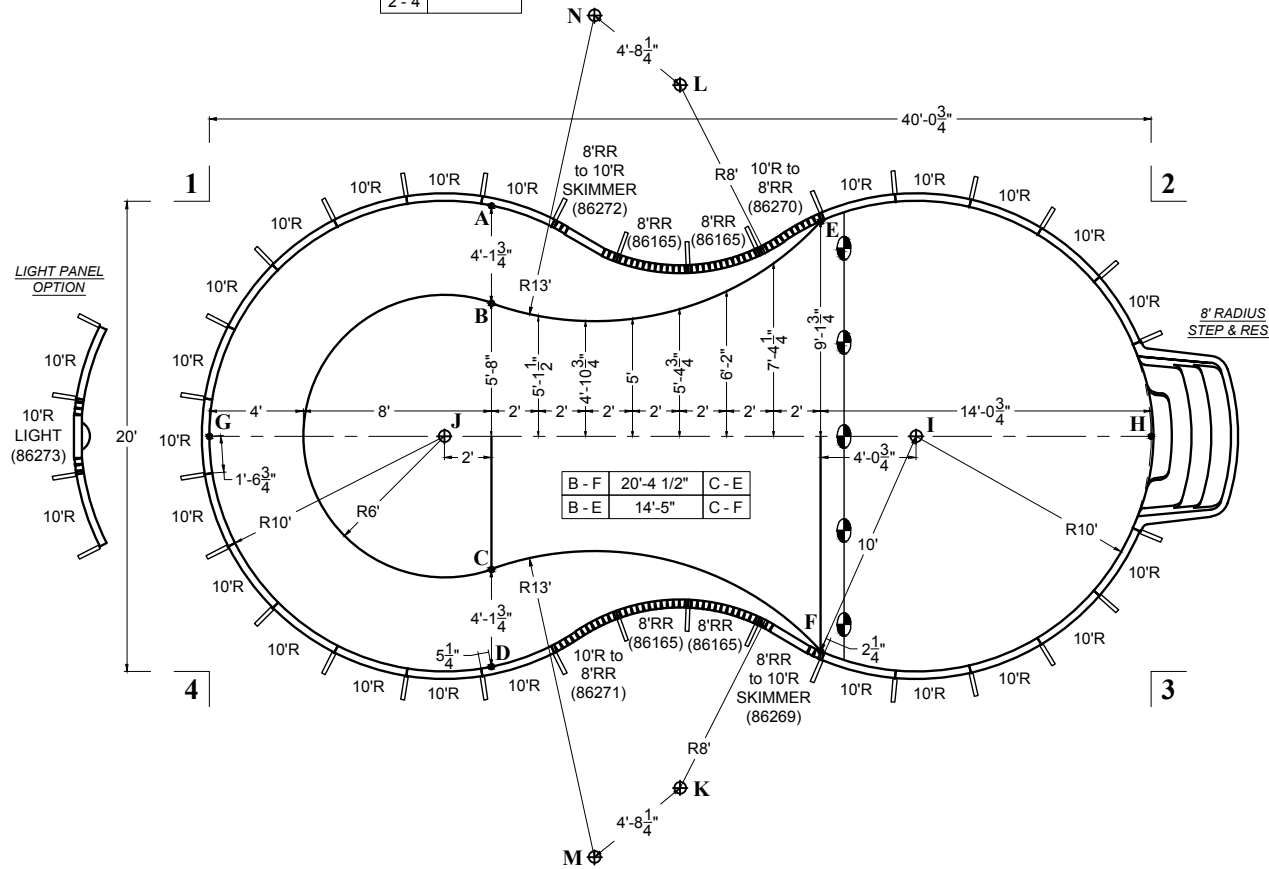
1 - A	12'
1 - B	12'-9 1/4"
1 - C	19'-8 3/4"
1 - D	23'-1 3/4"
1 - E	26'-0 1/4"
1 - F	32'-3 1/2"
1 - G	10'
1 - H	41'-3 1/2"
1 - I	31'-8 1/4"
1 - J	14'-1 3/4"
1 - K	32'
1 - L	20'-7 1/2"
1 - M	32'-4 1/4"
1 - N	18'-2 1/4"

1 - 3	44'-9 1/4"
2 - 4	

2 - A	28'-0 3/4"
2 - B	28'-4 3/4"
2 - C	32'-1 1/2"
2 - D	34'-4"
2 - E	14'-1"
2 - F	23'-9"
2 - G	41'-3 1/2"
2 - H	10'
2 - I	14'-1 3/4"
2 - J	31'-8 1/4"
2 - K	32'
2 - L	20'-7 1/2"
2 - M	36'-7"
2 - N	24'-11 1/2"

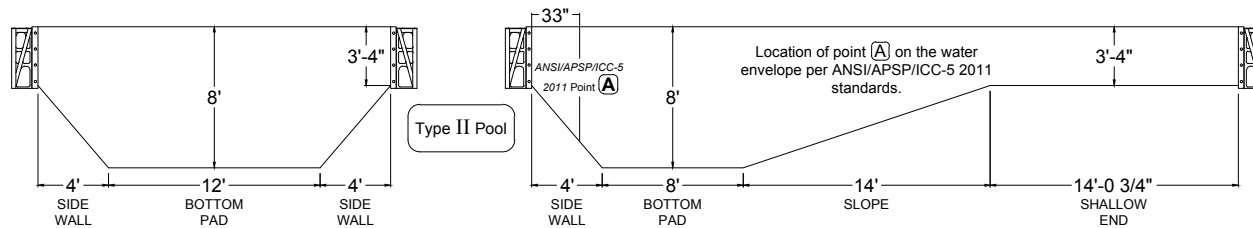
G - A	15'-6"
G - B	13'-3 1/4"
G - C	13'-3 1/4"
G - D	15'-6"
G - E	27'-6 3/4"
G - F	27'-6 3/4"
G - H	40'-0 3/4"
G - I	30'-0 3/4"
G - J	10'
G - K	25'
G - L	25'
G - M	24'-3 1/4"
G - N	24'-3 1/4"

4 - A	23'-1 3/4"
4 - B	19'-8 3/4"
4 - C	12'-9 1/4"
4 - D	12'
4 - E	32'-3 1/2"
4 - F	26'-0 1/4"
4 - G	10'
4 - H	41'-3 1/2"
4 - I	31'-8 1/4"
4 - J	14'-1 3/4"
4 - K	20'-7 1/2"
4 - L	32'
4 - M	18'-2 1/4"
4 - N	32'-4 1/4"



H - A	29'-8 3/4"
H - B	28'-7 1/2"
H - C	28'-7 1/2"
H - D	29'-8 3/4"
H - E	16'-9 1/4"
H - F	16'-9 1/4"
H - G	40'-0 3/4"
H - I	10'
H - J	30'-0 3/4"
H - K	25'
H - L	25'
H - M	29'-8"
H - N	29'-8"

3 - A	34'-4"
3 - B	32'-1 1/2"
3 - C	28'-4 3/4"
3 - D	28'-0 3/4"
3 - E	23'-9"
3 - F	14'-1"
3 - G	41'-3 1/2"
3 - H	10'
3 - I	14'-1 3/4"
3 - J	31'-8 1/4"
3 - K	20'-7 1/2"
3 - L	32'
3 - M	24'-11 1/2"
3 - N	36'-7"



POOL SURFACE AREA	656.6 ft ²	LINER SQ. FT.	801.25 ft ²
POOL VOLUME	22800 gal	POOL PERIMETER	105'-5"
	86300 L		31.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

ITEM DESCRIPTION	PART #
10' RADIUS PANEL	42112
VERSA-FLEX SKIMMER PANEL	42116S
VERSA-FLEX PANEL	42115
8' REVERSE RADIUS STRAP SET	86165S
10' RADIUS STRAP SET	86273S
8'RR to 10'R STRAP SET	86269S
10'R to 8'RR STRAP SET	86270S
10'R to 8'RR STRAP SET	86271S
8'RR to 10'R STRAP SET	86272S
PUSH NUTS	09115
BRACE SYSTEM COMPLETE	42146
8' RADIUS STEP & REST	07418RSNR
3/8"-16X HEX WASHER HEAD BOLT	148838
3/8"-16 HEX WASHER HEAD NUT	149664
CHANNEL-LOC SONOTUBE	86151
VERSA-FLEX STANDARD LIGHT PANEL	42116L

* - use bolts at step connection

This configuration is only available with 8' Radius Step & Rest or 8' Radius Step & Spa.

- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
- Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
- Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

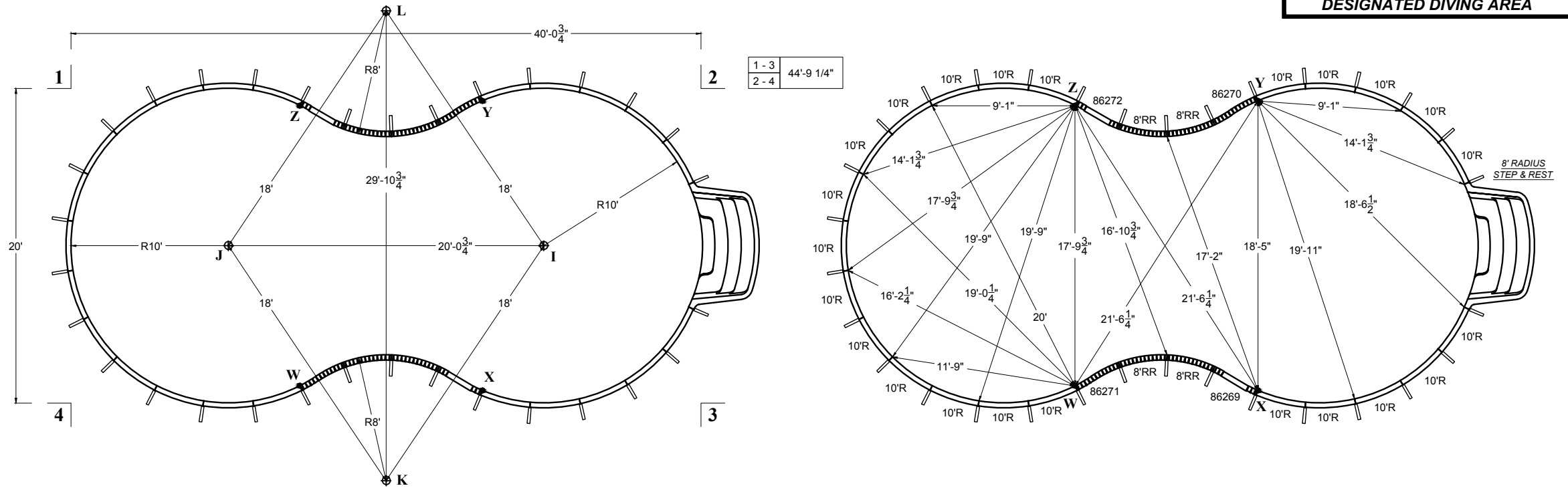
JANUARY
2013

MATRIX
POOL SYSTEM

FIGURE 8
20' x 40'

POOL SURFACE AREA	656.6 ft ² 61.0 m ²	LINER SQ. FT.	801.25 ft ²
POOL VOLUME	22800 gal 86300 L	POOL PERIMETER	105'-5" 31.13 m

DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA



1 - 3	44'-9 1/4"
2 - 4	

1 - I	31'-8 1/4"	2 - I	14'-1 3/4"	3 - I	14'-1 3/4"	4 - I	31'-8 1/4"
1 - J	14'-1 3/4"	2 - J	31'-8 1/4"	3 - J	31'-8 1/4"	4 - J	14'-1 3/4"
1 - K	32"	2 - K	32"	3 - K	20'-7 1/2"	4 - K	20'-7 1/2"
1 - L	20'-7 1/2"	2 - L	20'-7 1/2"	3 - L	32'	4 - L	32'
1 - W	23'-10 1/4"	2 - W	31'-9 1/4"	3 - W	25'-6 1/2"	4 - W	14'-7"
1 - X	32'-5 1/2"	2 - X	23'-8 1/2"	3 - X	13'-11"	4 - X	26'-2"
1 - Y	26'-2"	2 - Y	13'-11"	3 - Y	23'-8 1/2"	4 - Y	32'-5 1/2"
1 - Z	14'-7"	2 - Z	25'-6 1/2"	3 - Z	31'-9 1/4"	4 - Z	23'-10 1/4"

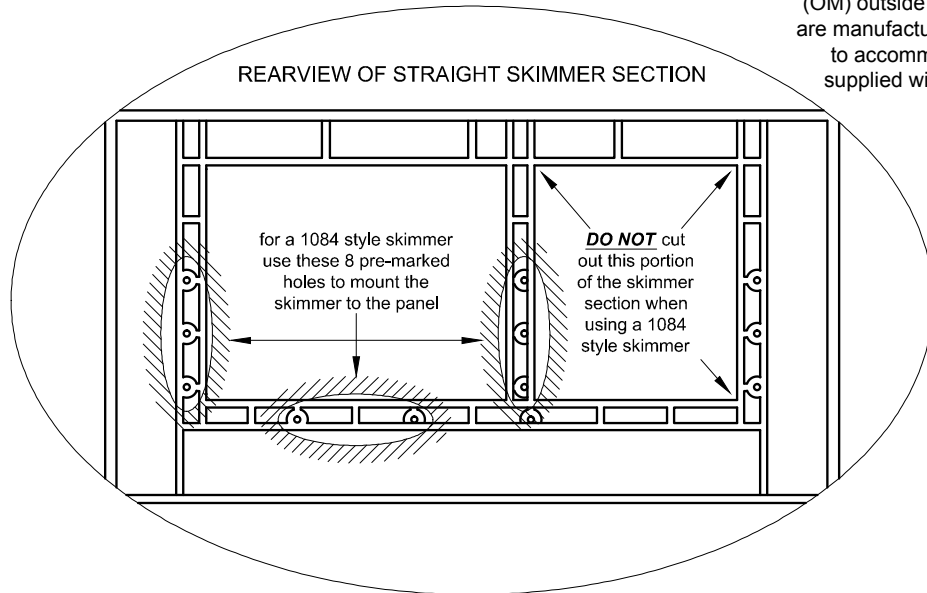
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
5. Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
6. A safety line, with buoys, is to be permanently attached 1'0" to the shallow side of the point of first slope change.
7. Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.
8. Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

The bottom configuration shown conforms with current ANSI/APSP/ICC-5 2011 suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

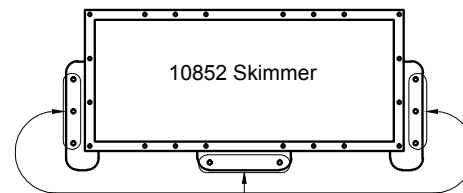
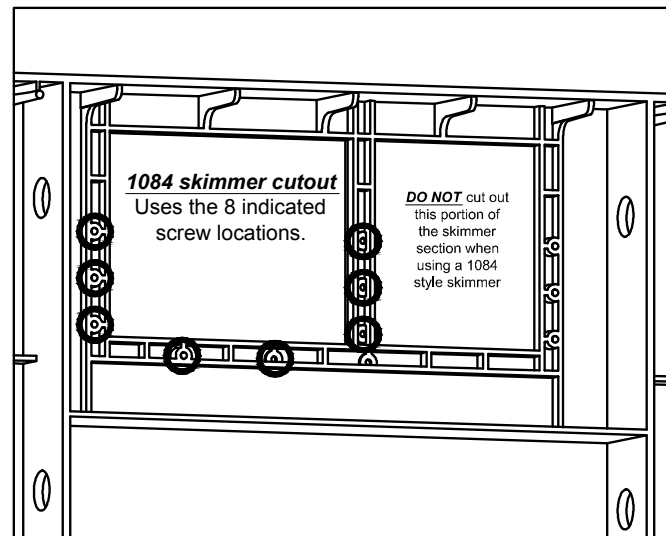
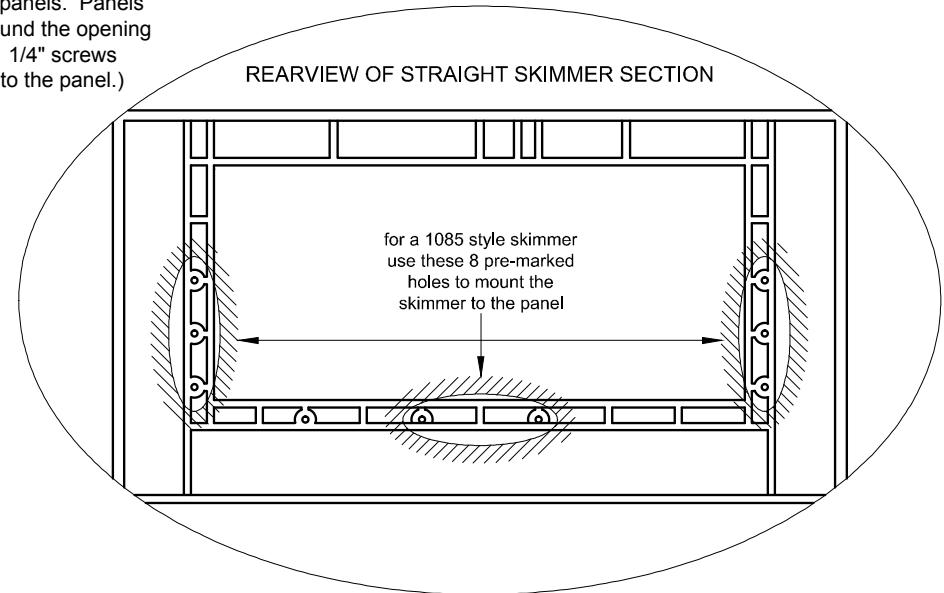
****** SKIMMER PANEL INSTALLATION NOTE ******

Using a standard SP10841 or SP10852 skimmer, you will get an (OM) outside mount application on Matrix skimmer panels. Panels are manufactured with a thicker material section around the opening to accommodate this special application. (Use 1 1/4" screws supplied with the skimmer to mount the skimmer to the panel.)

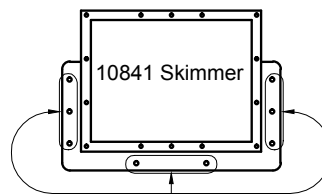
REARVIEW OF STRAIGHT SKIMMER SECTION



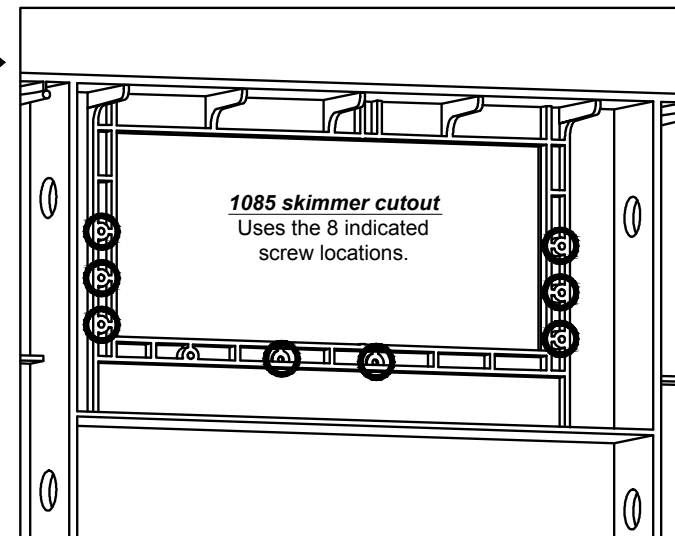
REARVIEW OF STRAIGHT SKIMMER SECTION

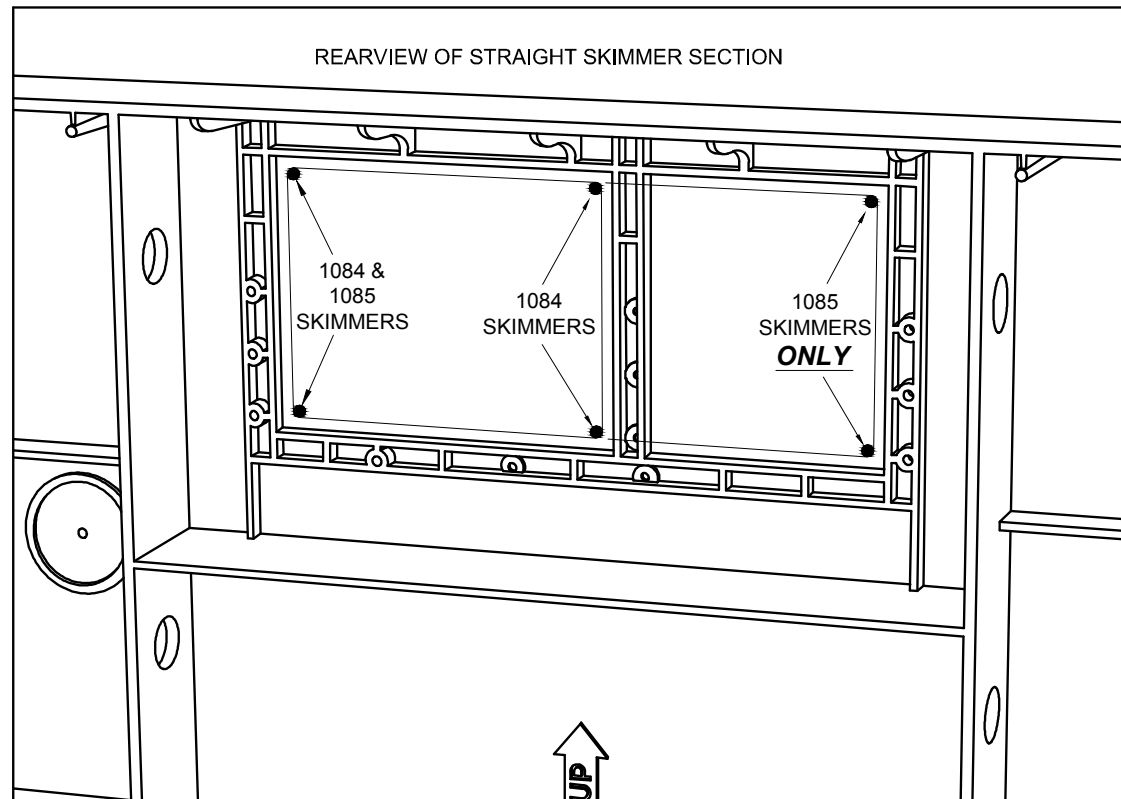


These 8 holes on the outer mounting flange of the skimmer align with the 8 pre-marked mounting holes for a 1085 style skimmer on the backside of the panel.

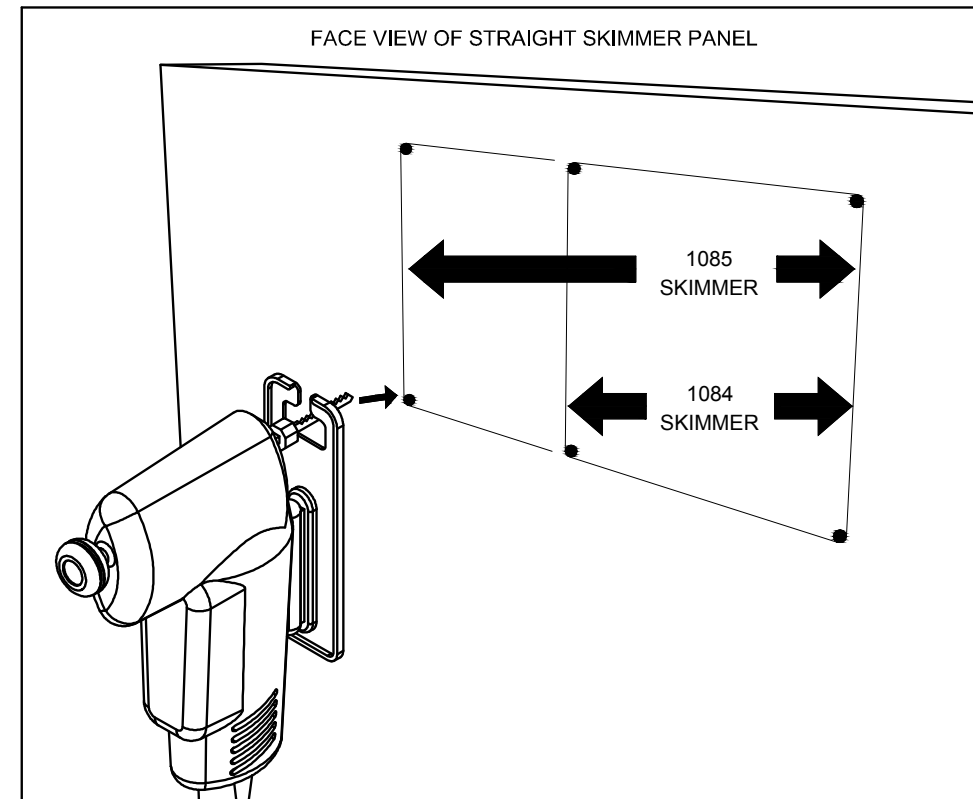


These 8 holes on the outer mounting flange of the skimmer align with the 8 pre-marked mounting holes for a 1084 style skimmer on the backside of the panel.





Depending on the type of skimmer used, drill the appropriate mounting holes (see page A1 to identify the proper holes), and the 4 starter holes at the corners of the skimmer boss on the backside of the panel. If you are using a 1084 style skimmer be sure **NOT** to drill holes in the extended skimmer section that accommodates the 1085 style skimmer.



Using a straight edge, draw lines to show the skimmer section to be cut out. Use the outer edges of the drilled starter holes as a guide.

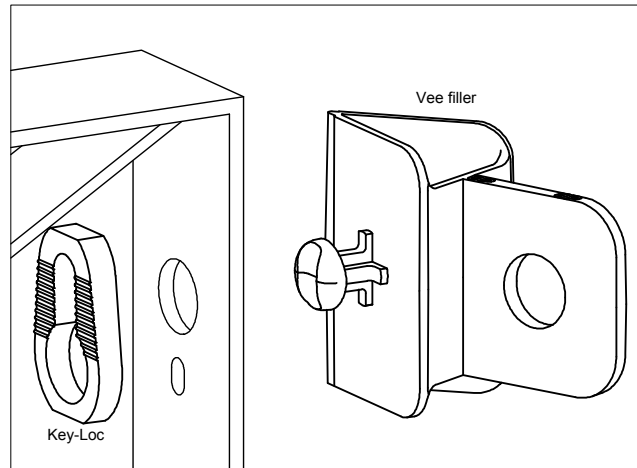
Cut the perimeter of the skimmer opening with a jigsaw. Use a coarse wood blade with large teeth to reduce the heating of the polymer panel.

***** NOTE *****

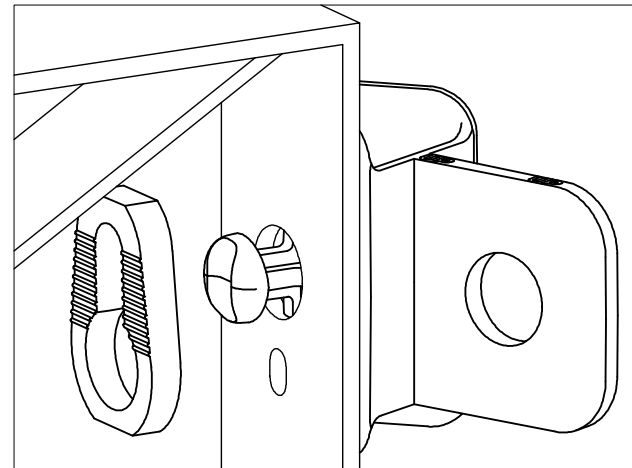
Remove all the material within the skimmer cutout area. The ribbing on the back of the panel is designed to precisely fit the 1084 or 1085 style skimmer. If material from the face of the panel remains inside the ribbing of the cutout area, the skimmer may not fit in the opening.

KEY-LOC, VEE FILLER &
GRECIAN CORNER SLEEVE

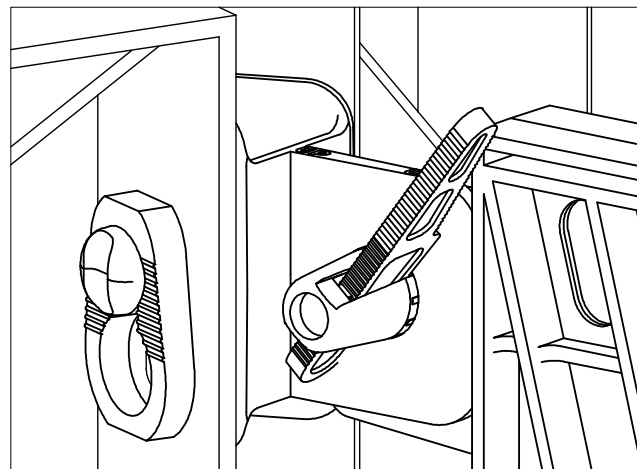
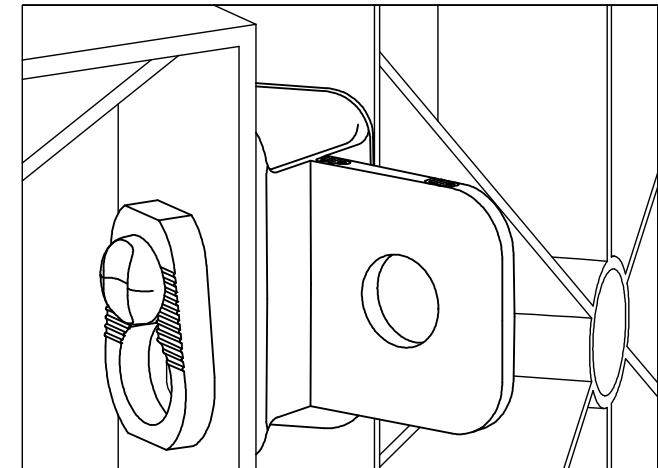
1) Each Vee filler will connect 2 wall panels using the standard peg holes on the panels side flanges. Each 42" tall panel connection will require a total of (4) - Vee fillers and (8) Key-Locs.



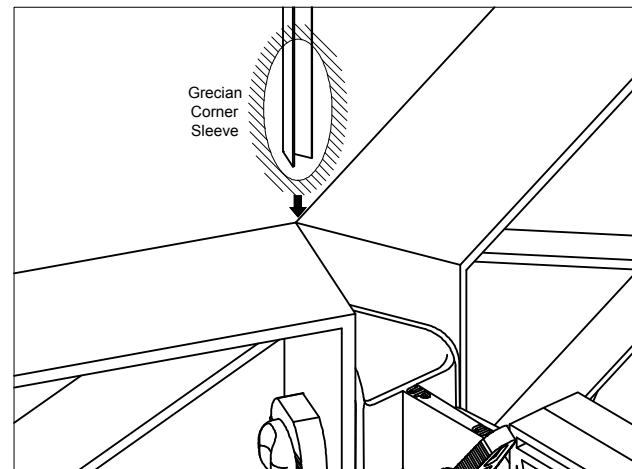
2) Attach all 4 Vee fillers to one panel first. Then align and attach the 2nd panel to the panel / vee filler assembly.



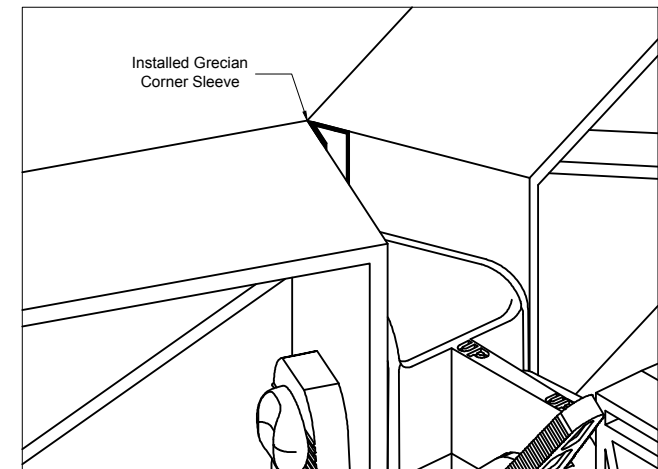
3) Each Key-Loc will fit over the head on the filler post and slide down to draw the wall panels together and lock the panel to the Vee filler.



4) A panel brace can then be attached to the tab extending from the back of the Vee filler using the standard Peg & Wedge connection.

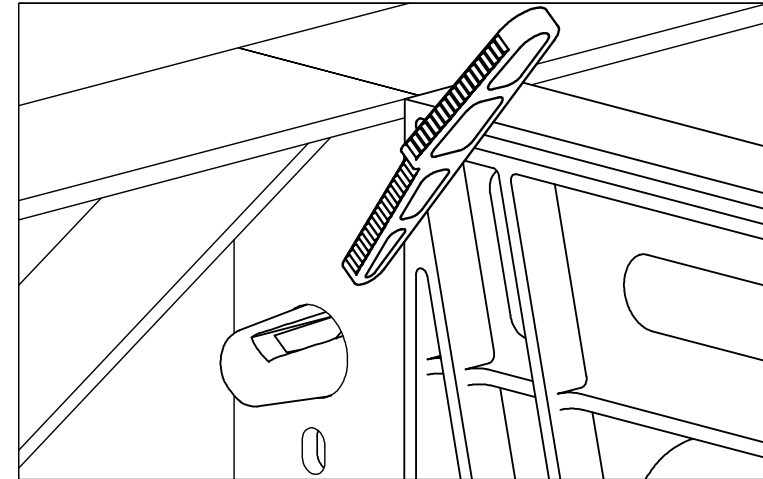
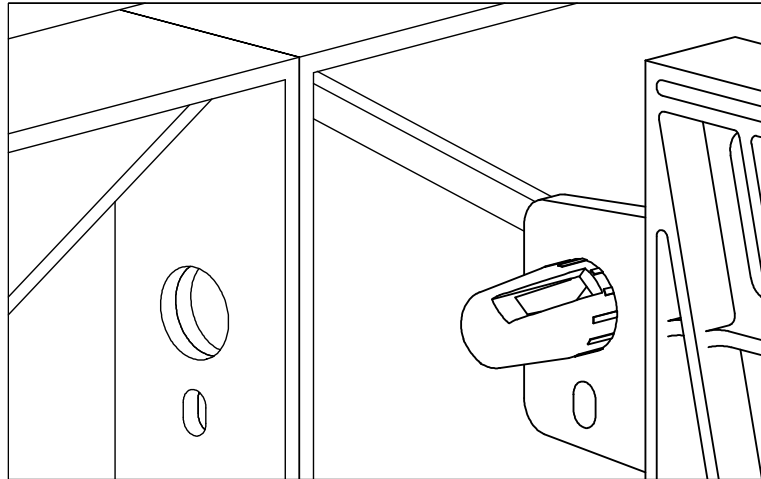


5) Slide the Grecian Corner Sleeve down between the nose of the Vee fillers and the wall panels to prevent dirt and debris from getting into the pool.



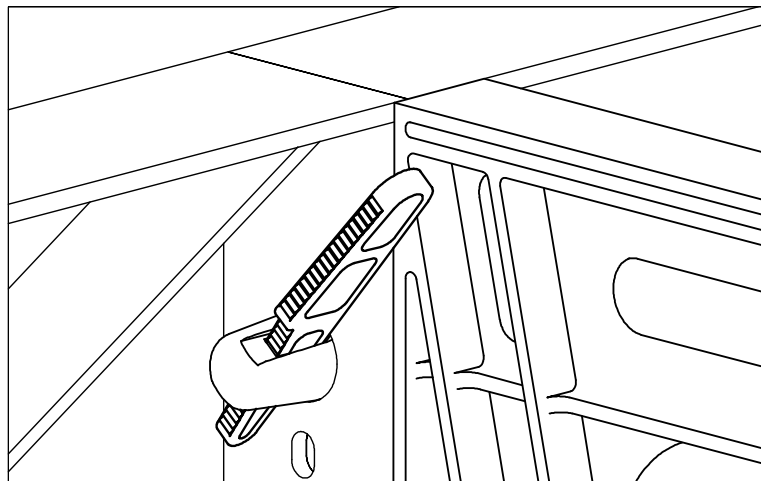
6) The completed installation will leave the Grecian Corner Sleeve flush with the top of the wall panel.

1) Set the 2 panels to be connected making sure the 4 - 1 1/2" diameter peg holes on the end flanges are lined up. Insert the brace / pegs through both flanges. The taper of the peg will properly align the panels and ensure the faces of the panels are even.

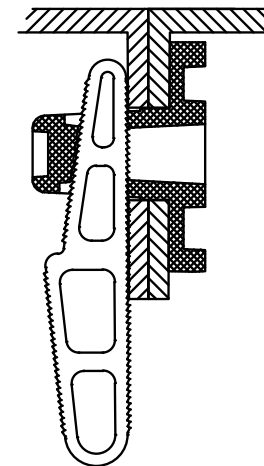


2) Break the wedges off of the molded brace. Slide the wedge through the slot in the peg (see the drawing below for proper orientation of the wedge depending on the location of the brace).

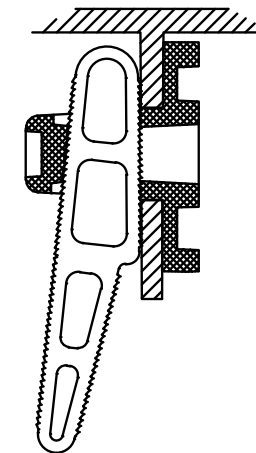
3) As the wedge is inserted through the peg, the panel joint will draw closed. The ratcheting effect of the teeth on the wedge and the teeth on the inside of the peg will prevent the wedge from backing out.



**WEDGE ORIENTATION AT
PANEL - TO - PANEL
CONNECTION**



**WEDGE ORIENTATION AT A
MID - PANEL RIB**



With the step securely clamped to the **PANEL TEMPLATE**, use the hole pattern in the panel template as a guide for drilling the bolt holes and 1 1/2" diameter peg holes in the step flange.

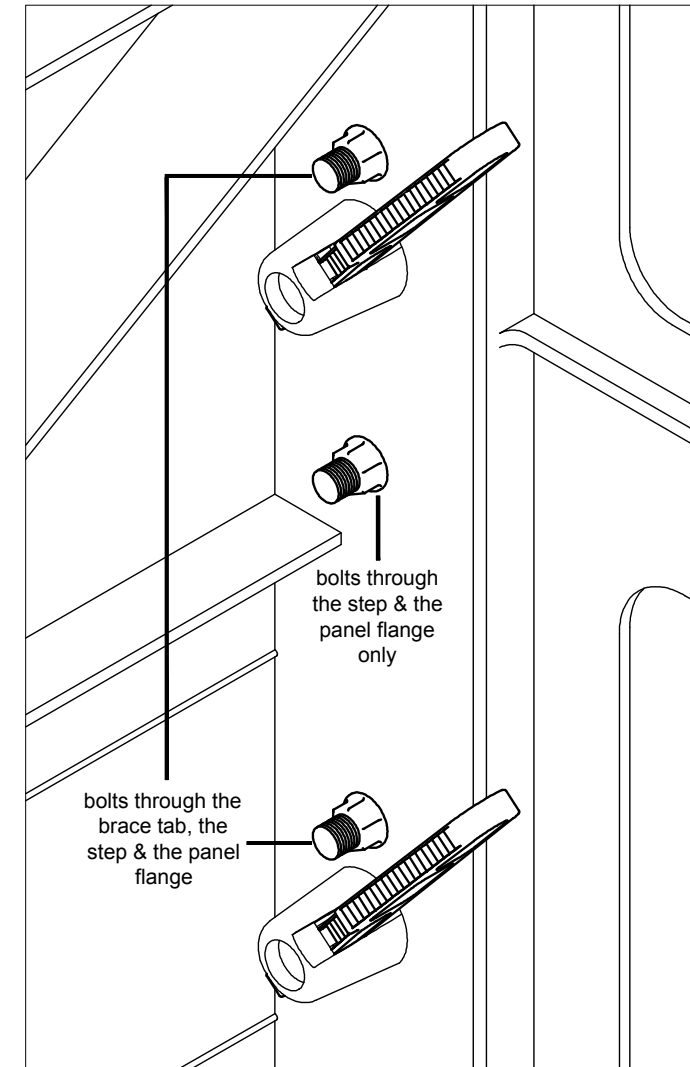
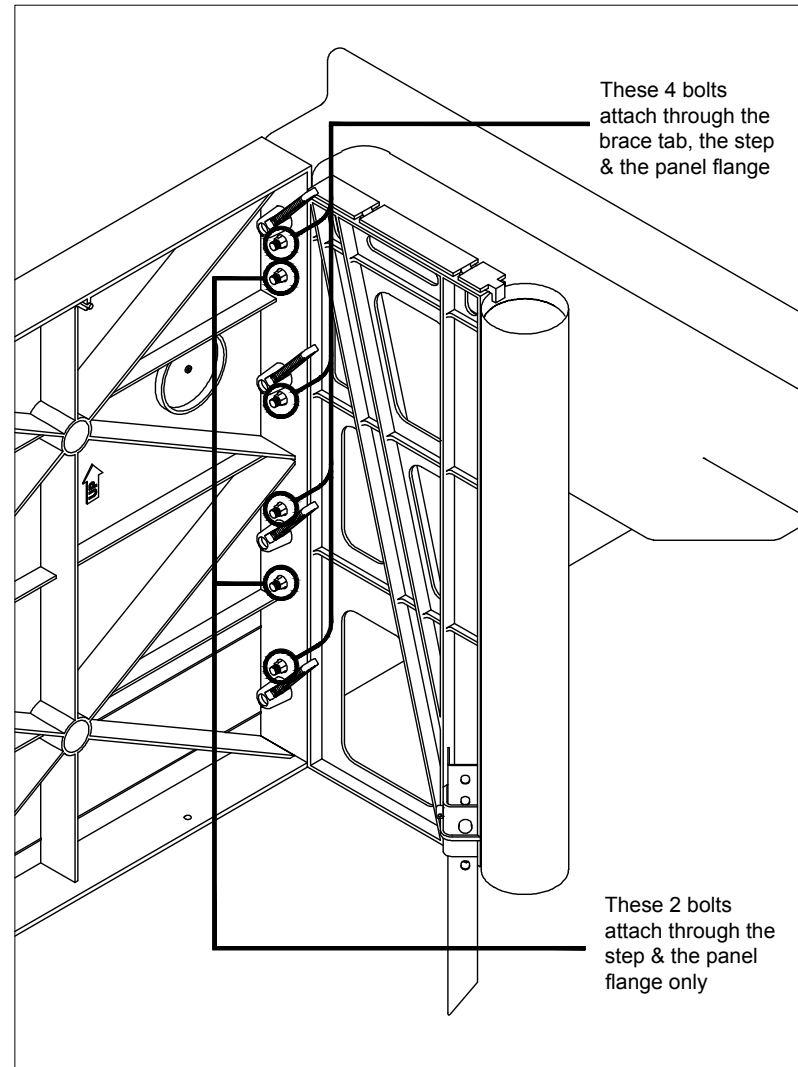
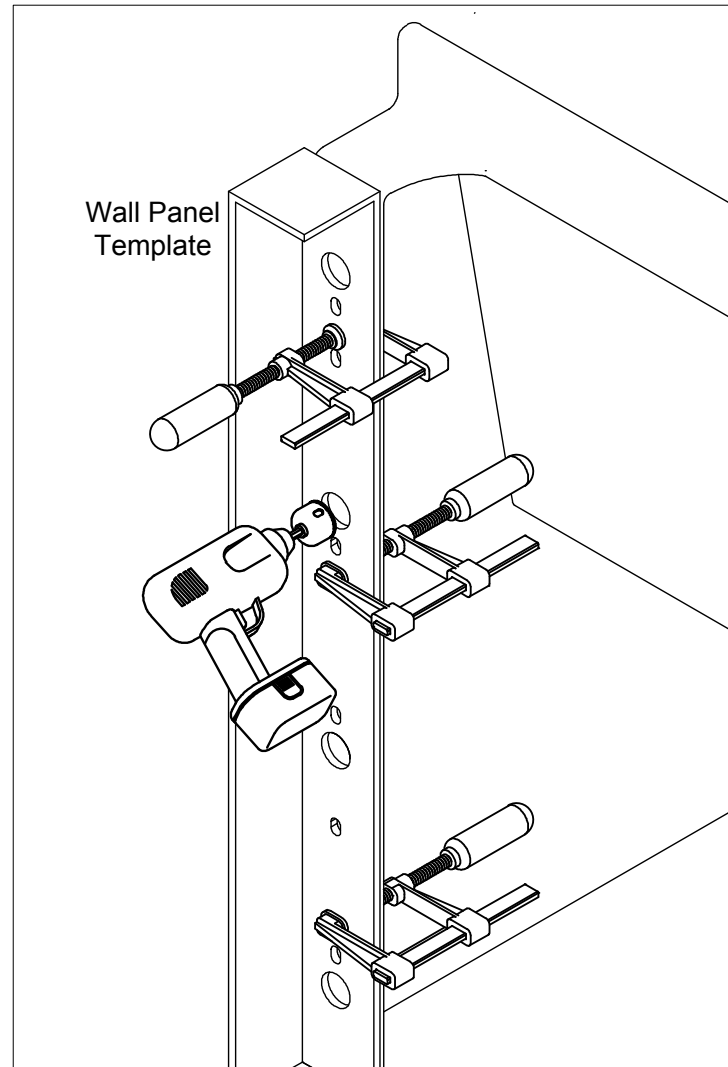
Step connections will use the standard Nexus connection as well as the 7 bolt points along the panel end flange :

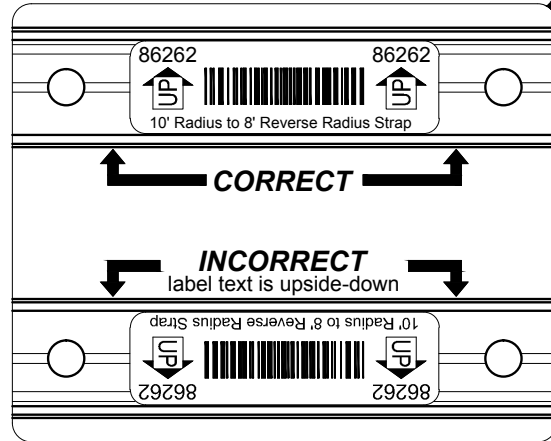
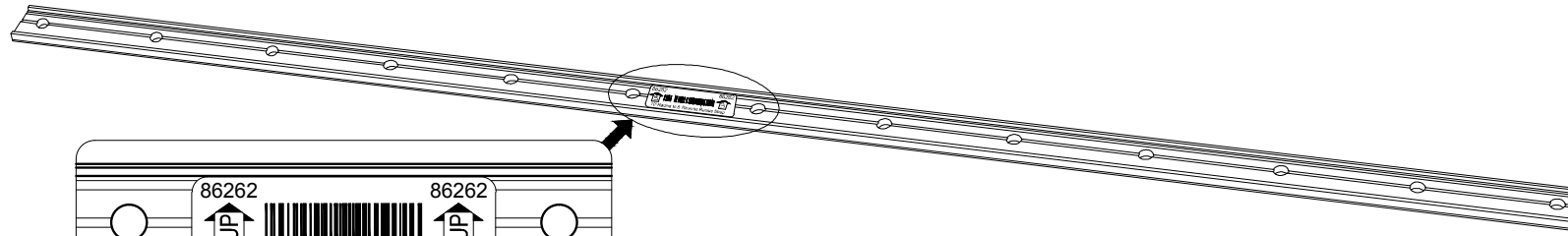
- 4 bolts will go through the brace tabs, the step, & the panel flange
- 2 bolts will go through the step and the panel flange only

JANUARY
2013

MATRIX
POOL SYSTEM

PANEL TEMPLATE &
BOLTED STEP CONNECTION





Straps for transition panels need to be placed on the panel in the proper orientation to ensure the panel bends the correct way. With the strap properly attached to the panel, you will be able to read the text on the strap label. If the text on the label is upside-down, the strap has been put on incorrectly.

***** Matrix Panel Strap Installation Note *****

When assembling Versa-Flex panels and panel straps, **do not** install the strap on all 13 pins and then attach the push nuts. Assemble one pin at a time and securely fasten the push nut before proceeding to the next pin.



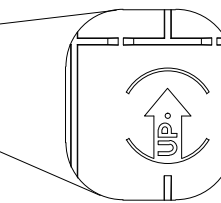
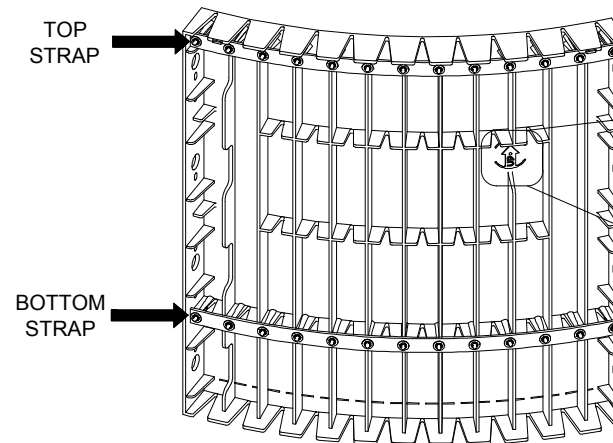
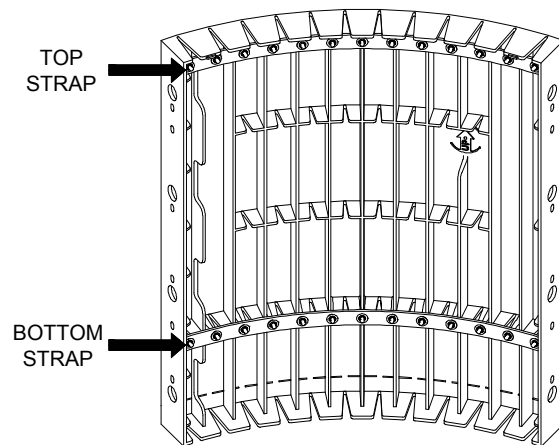
REVERSE RADIUS
PANEL



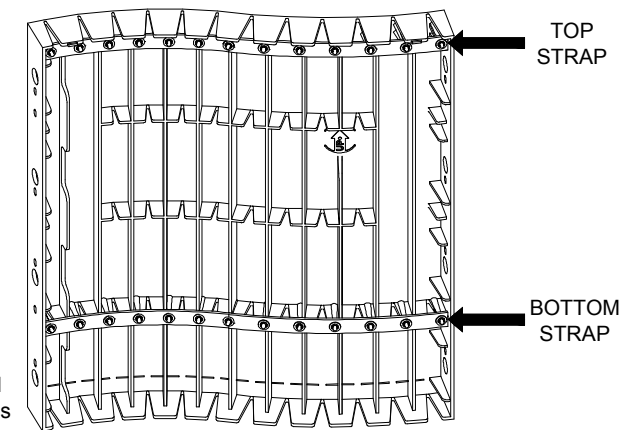
STANDARD RADIUS
PANEL



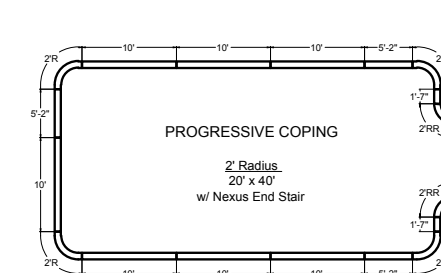
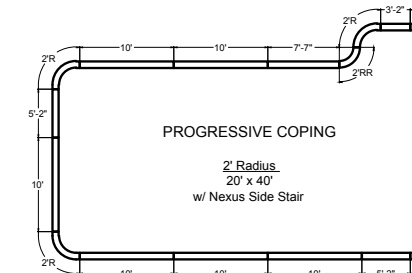
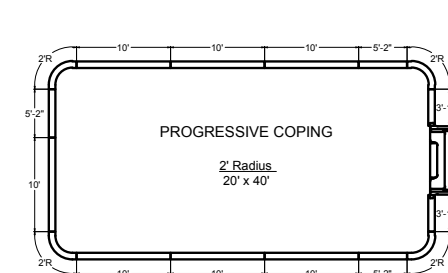
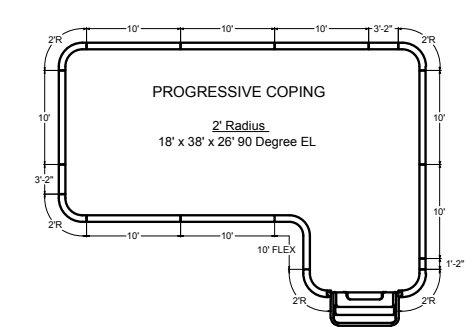
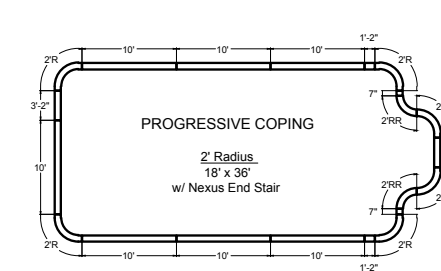
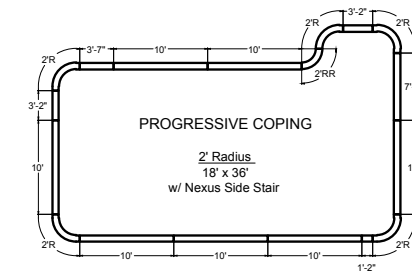
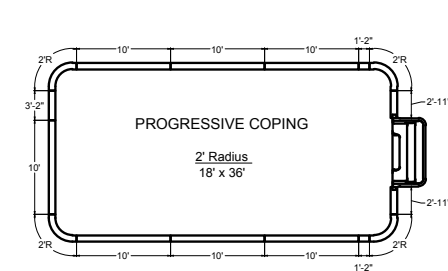
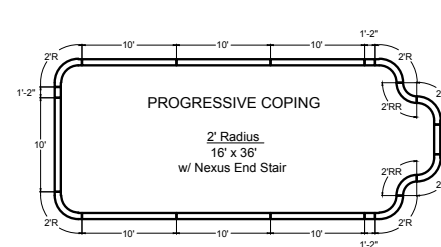
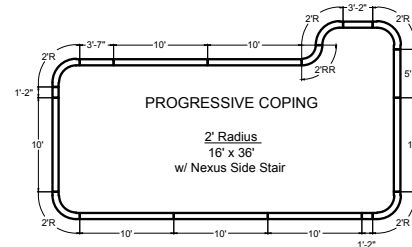
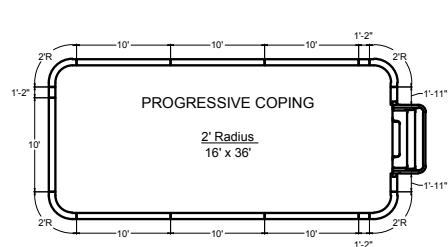
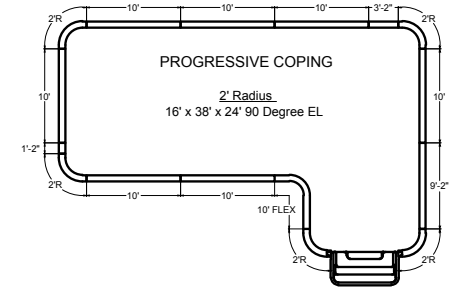
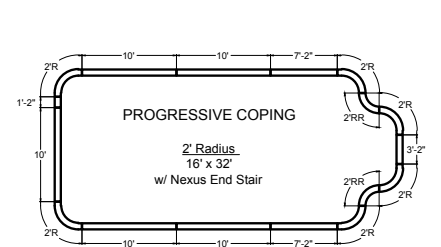
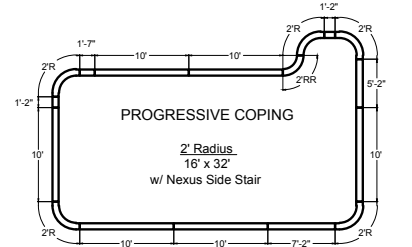
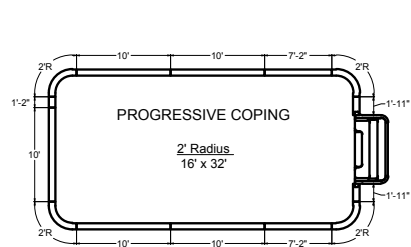
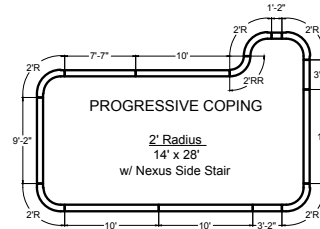
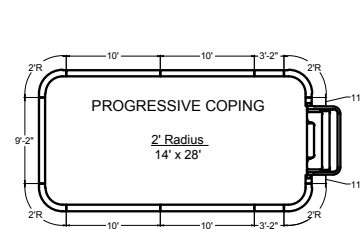
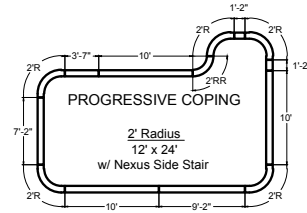
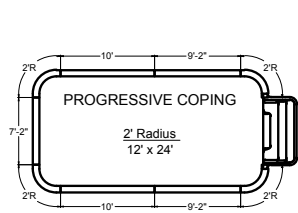
MULTIPLE RADIUS
TRANSITION PANEL



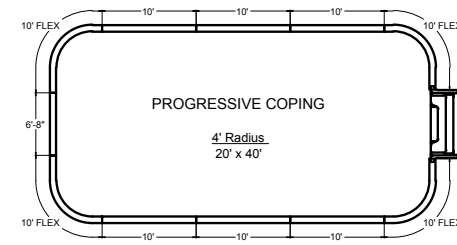
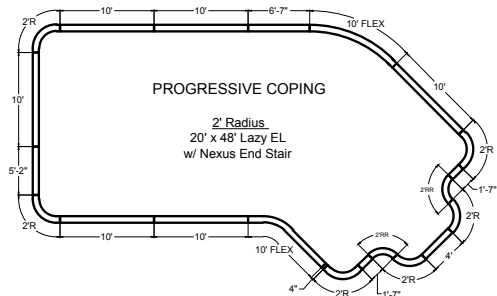
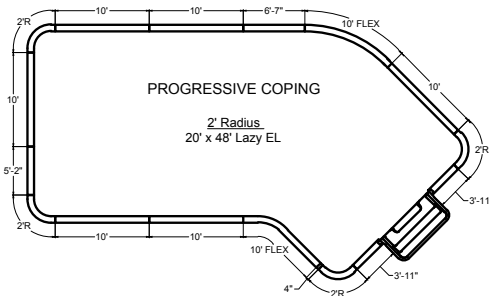
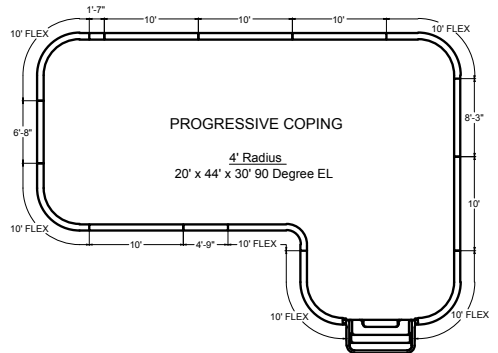
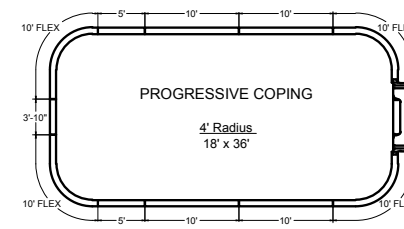
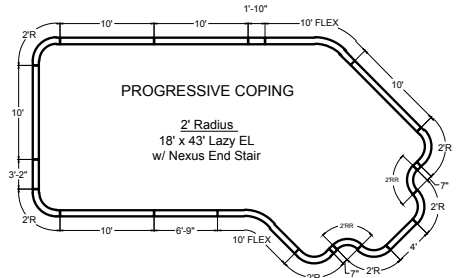
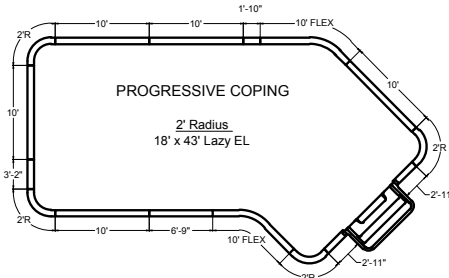
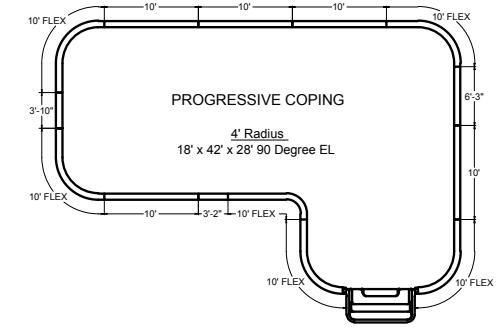
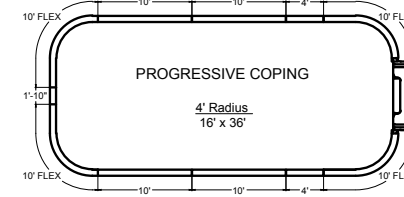
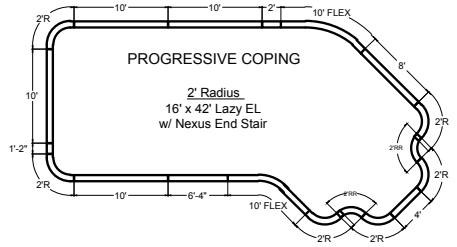
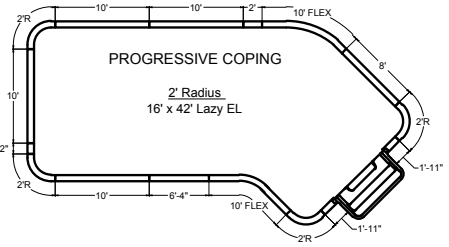
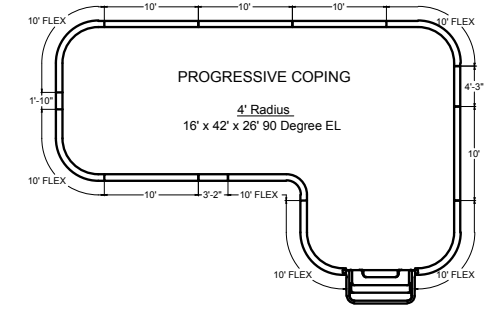
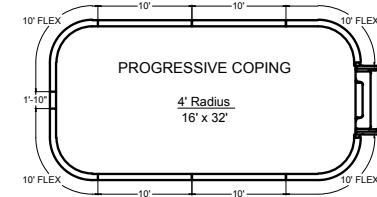
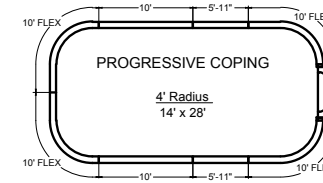
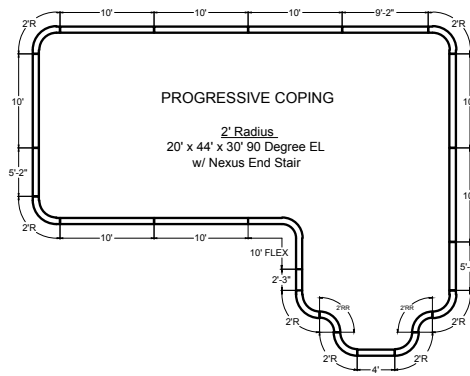
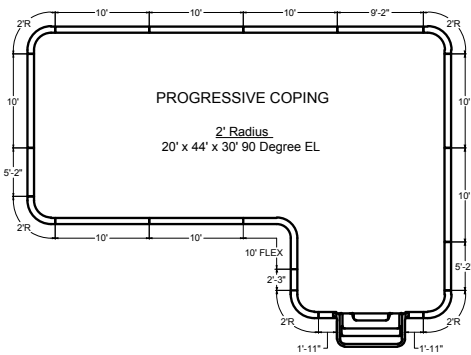
"UP" arrow designates proper panel orientation. The panel connection will not work properly if panel is placed upside-down.



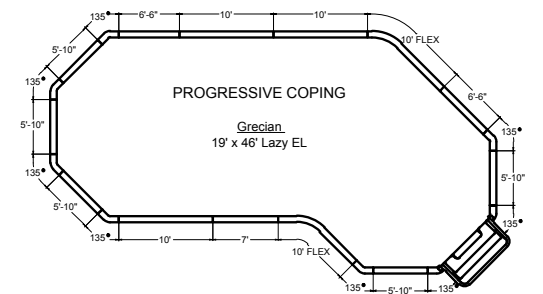
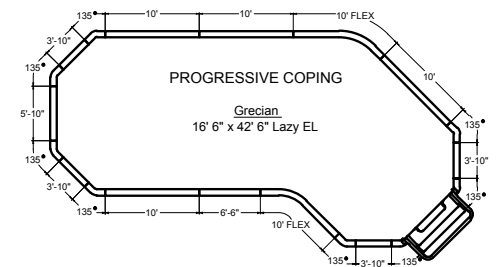
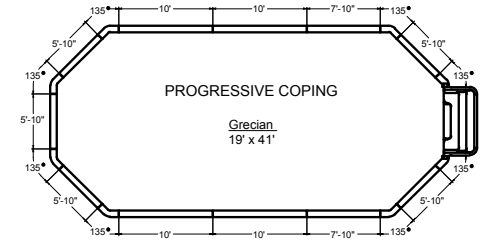
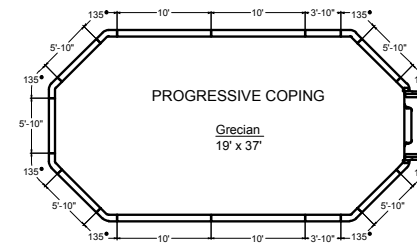
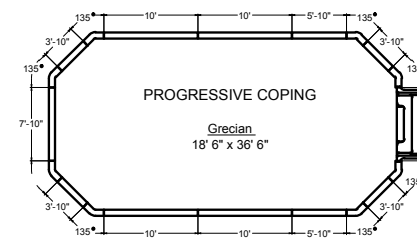
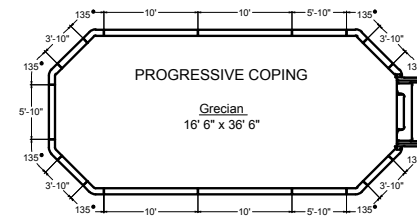
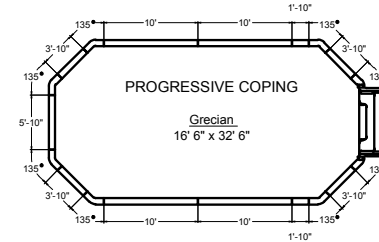
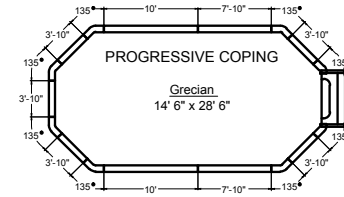
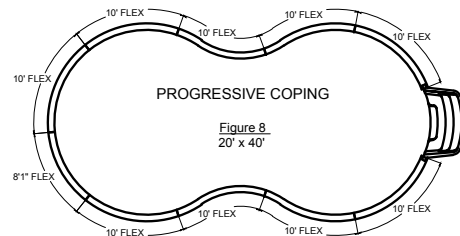
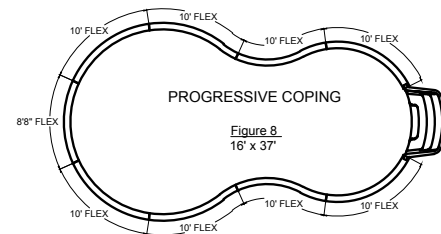
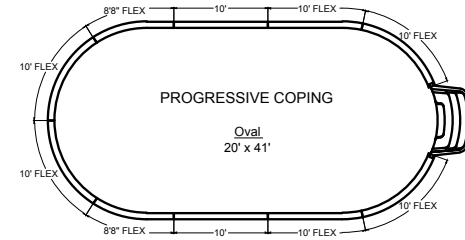
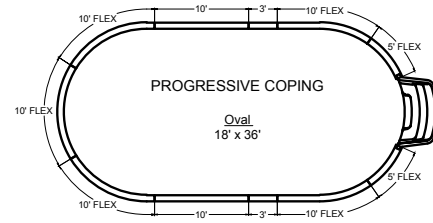
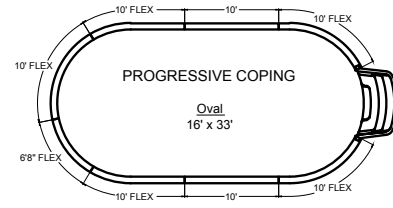
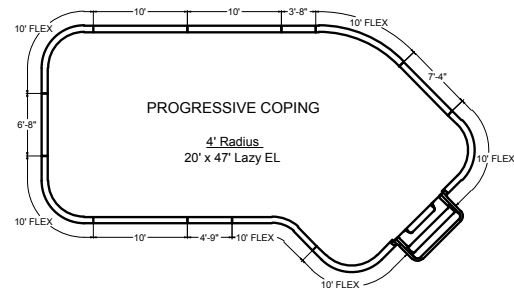
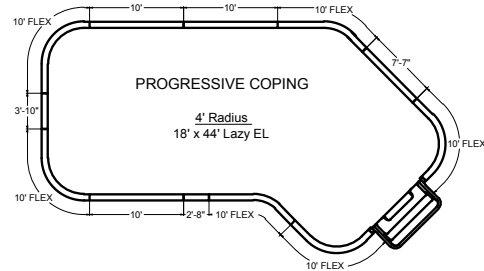
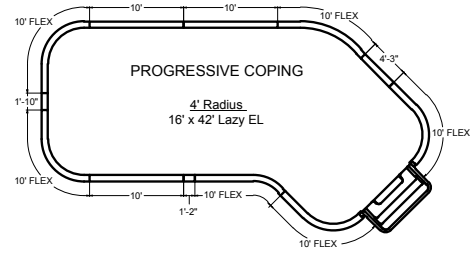
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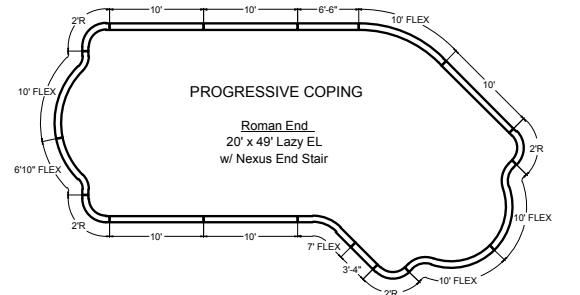
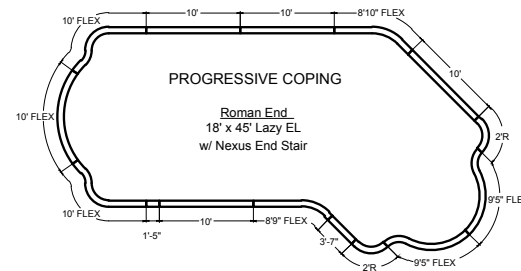
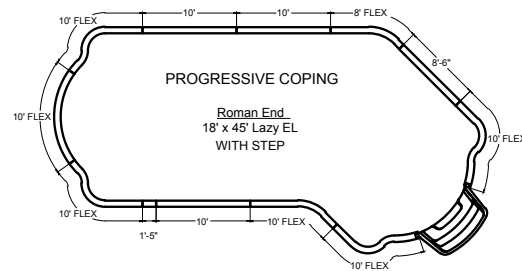
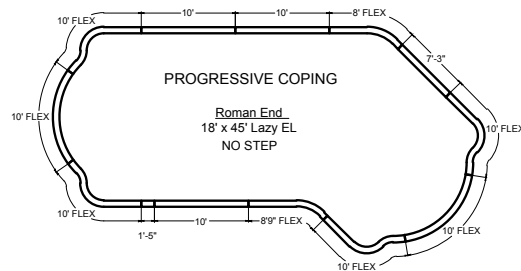
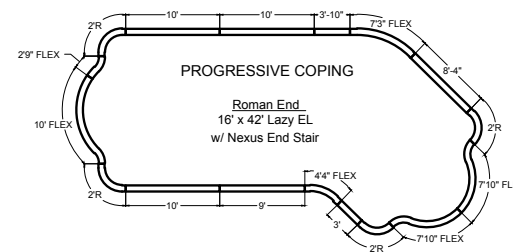
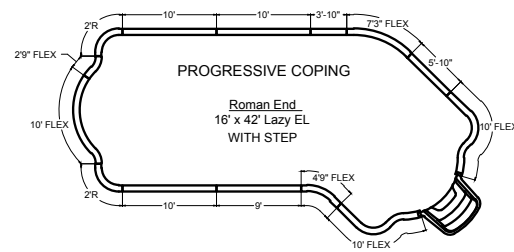
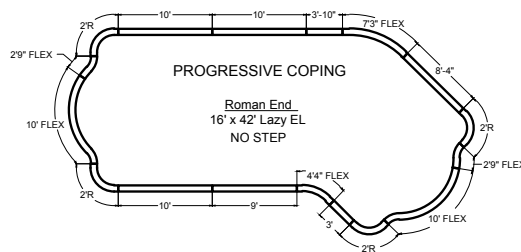
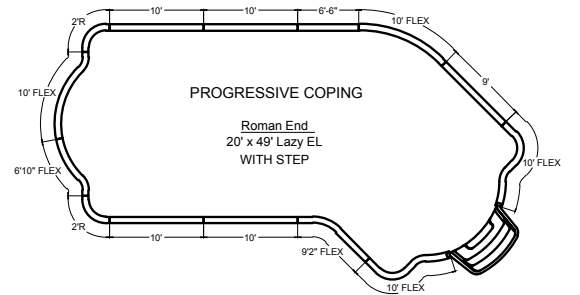
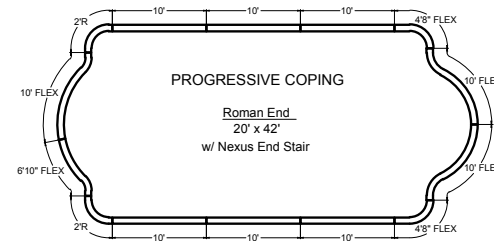
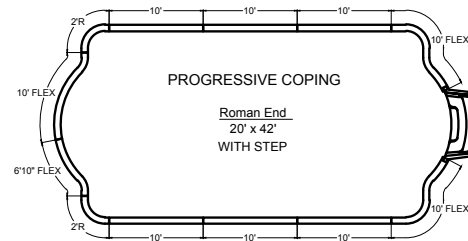
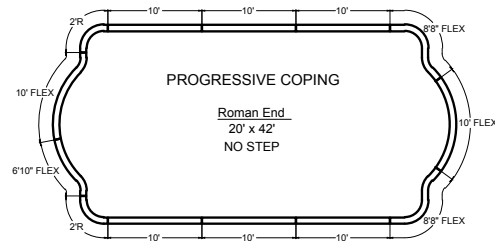
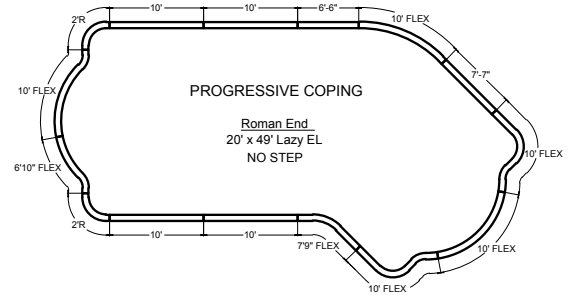
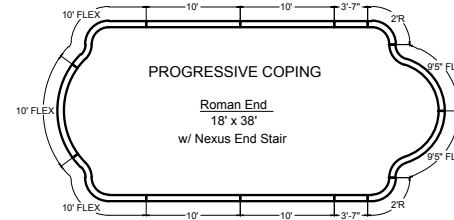
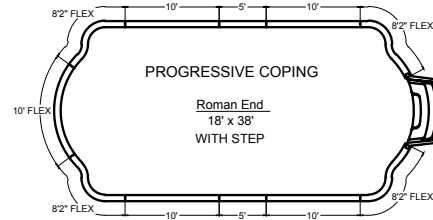
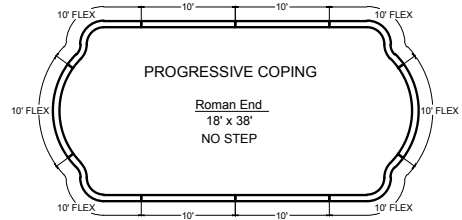
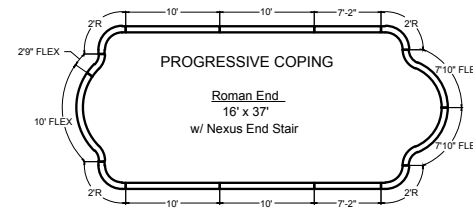
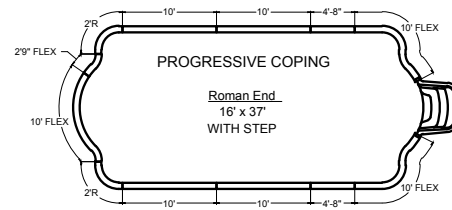
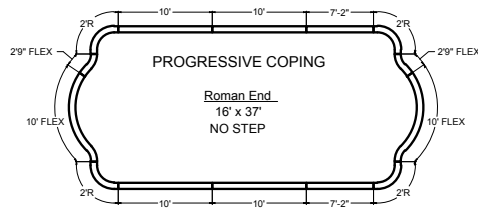
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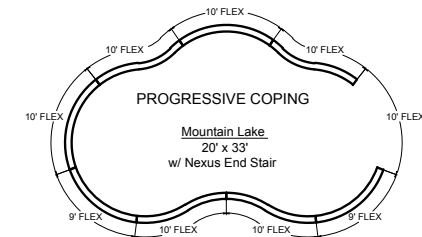
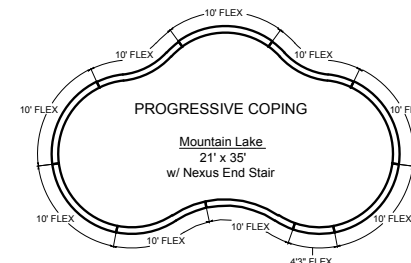
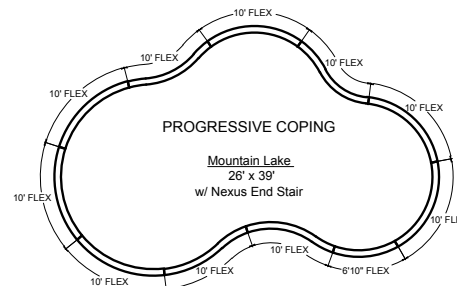
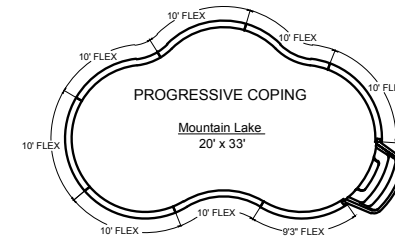
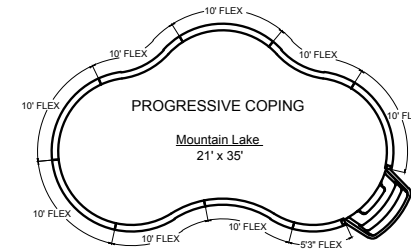
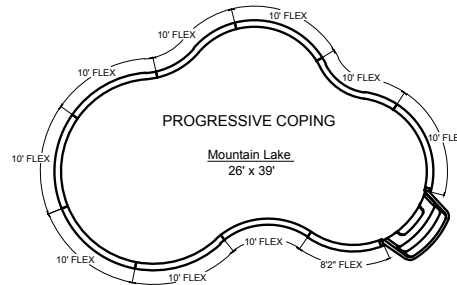
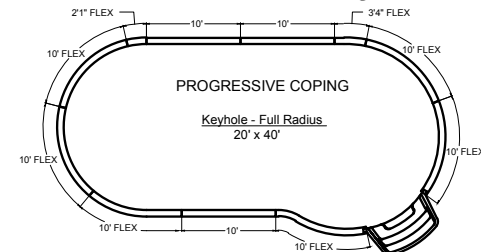
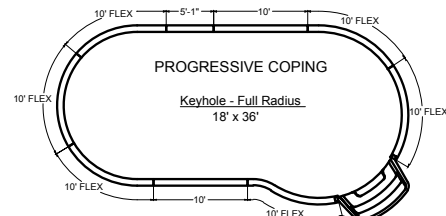
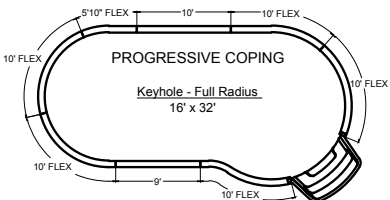
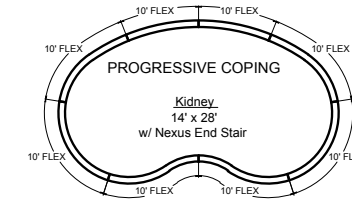
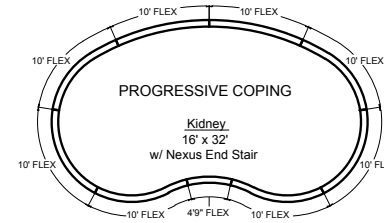
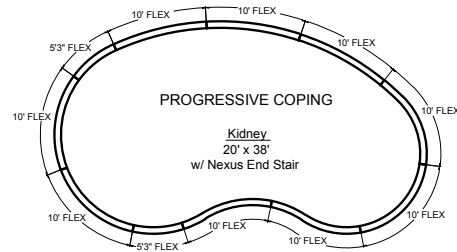
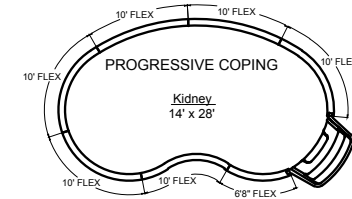
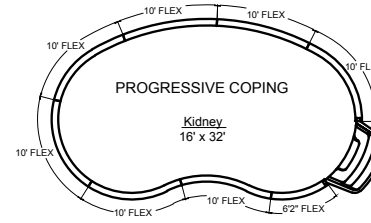
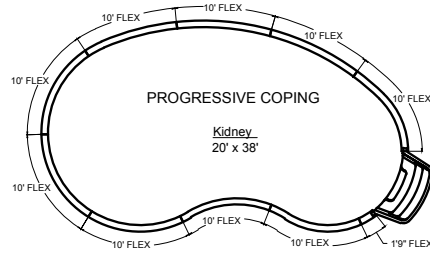
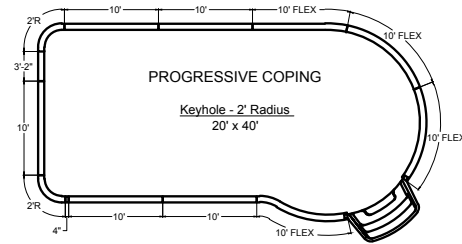
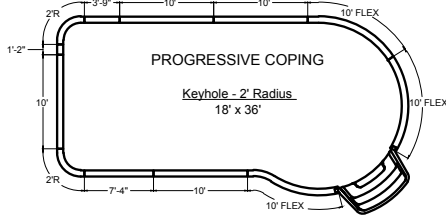
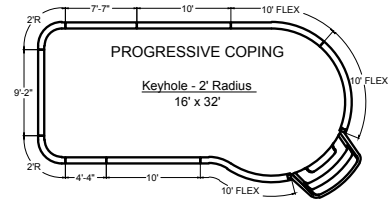
JANUARY
2013

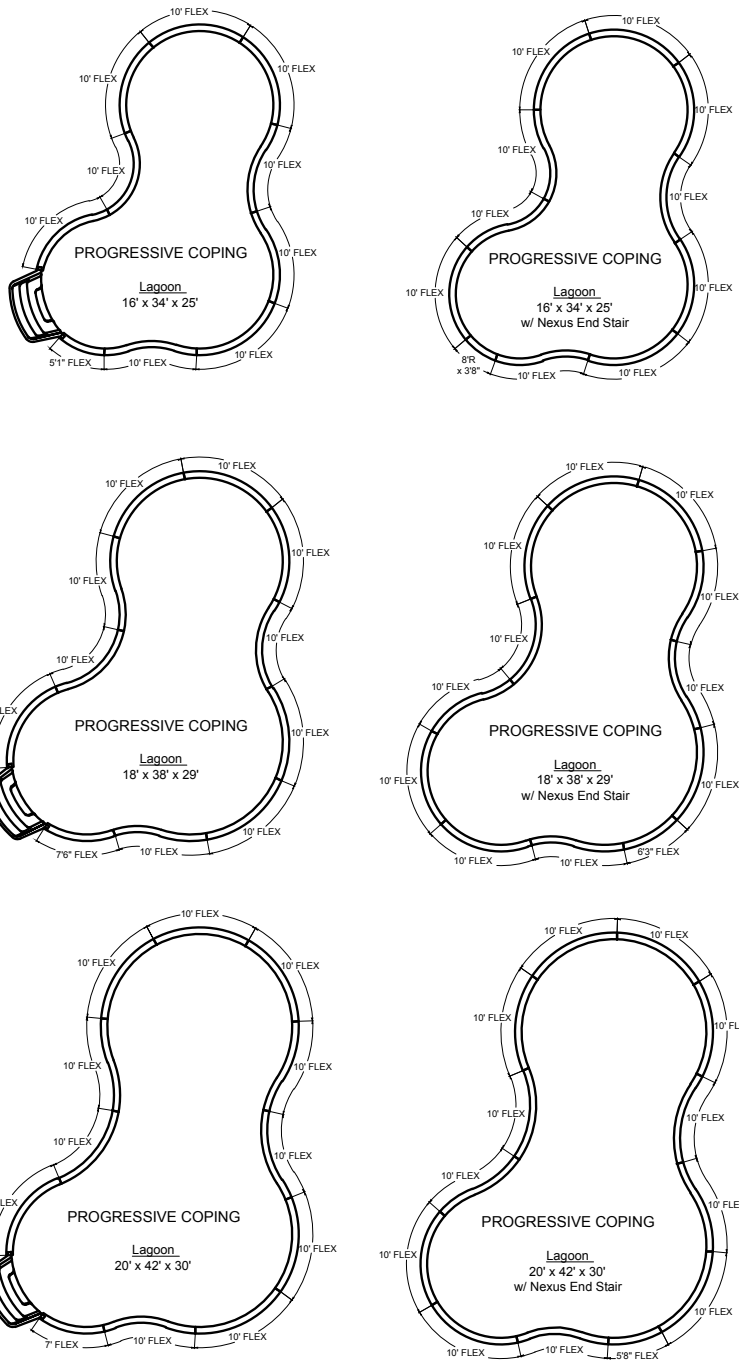
MATRIX
POOL SYSTEM

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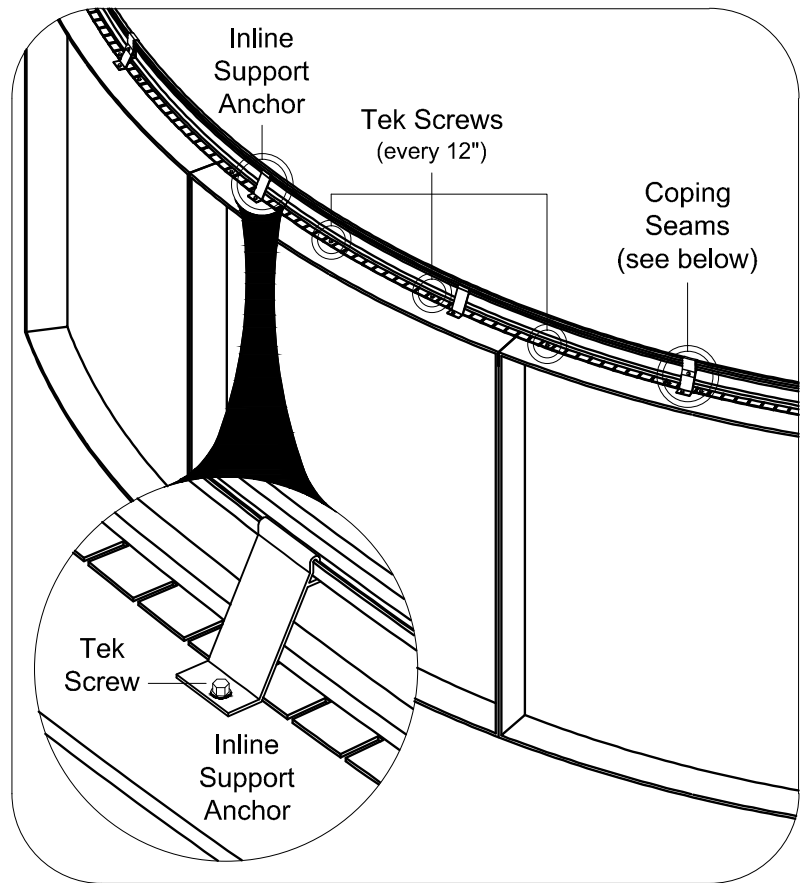


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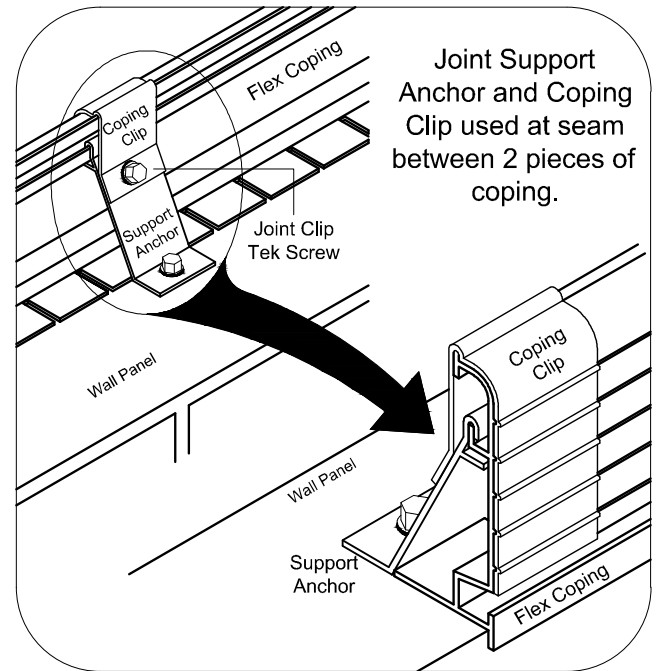




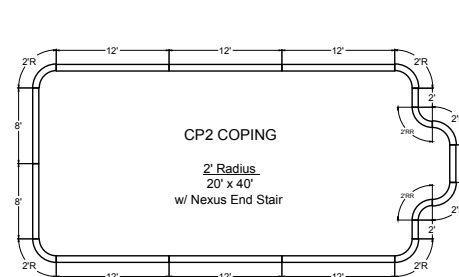
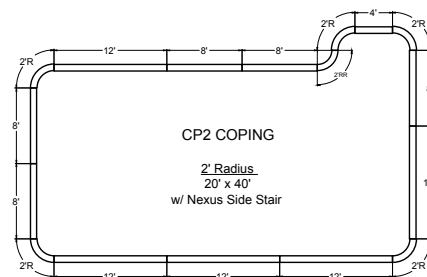
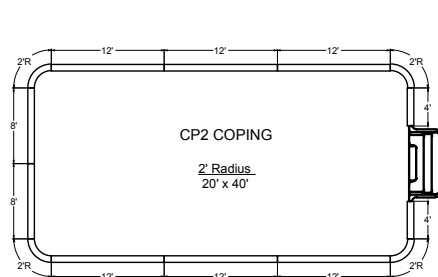
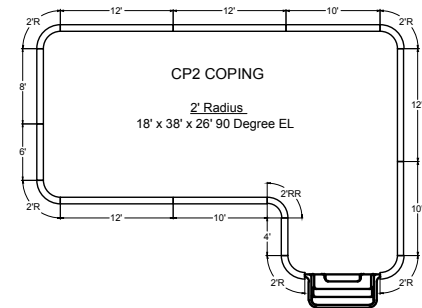
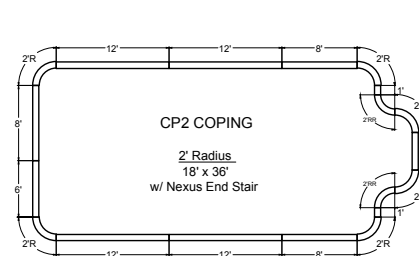
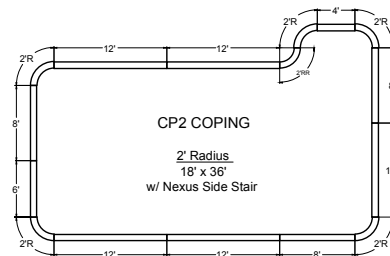
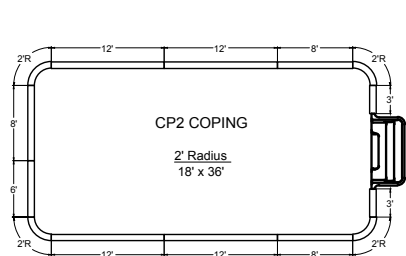
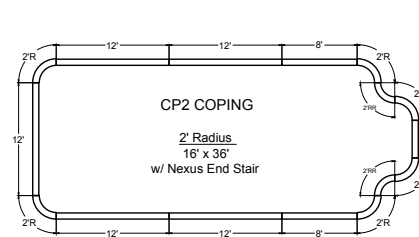
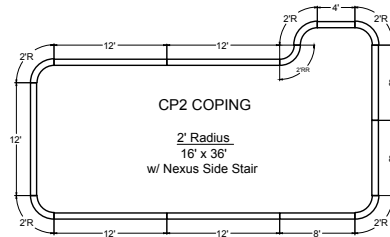
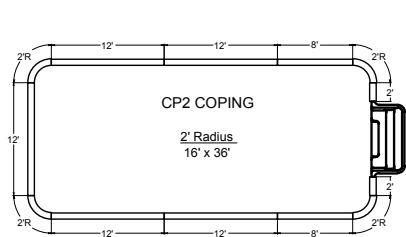
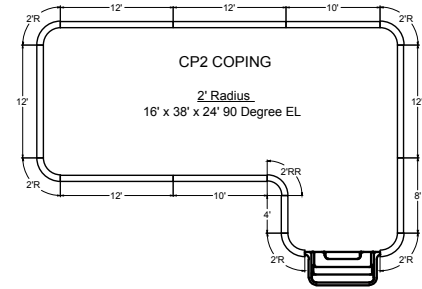
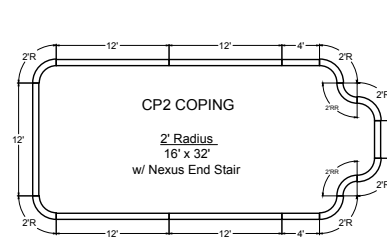
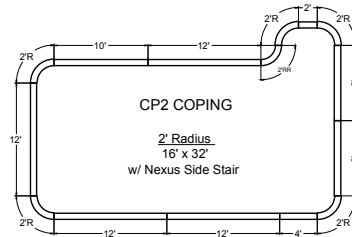
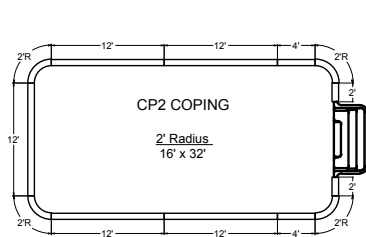
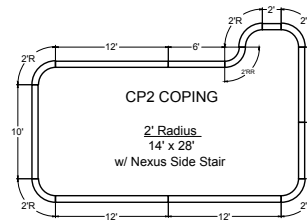
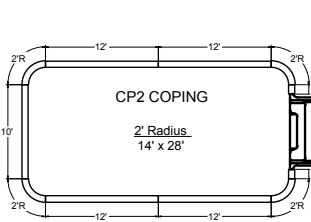
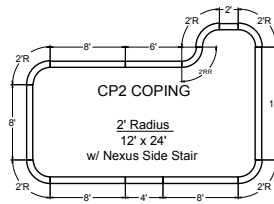
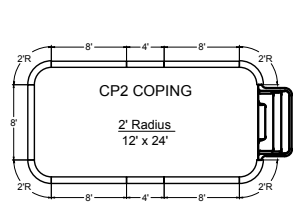
Rear View of Installed Coping Section



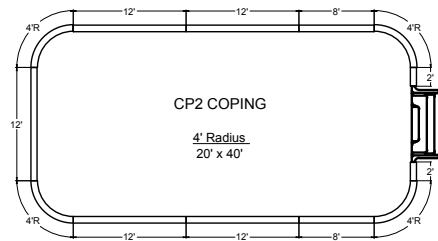
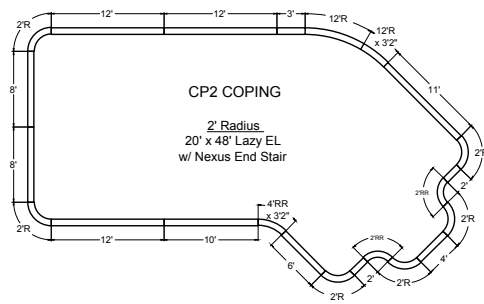
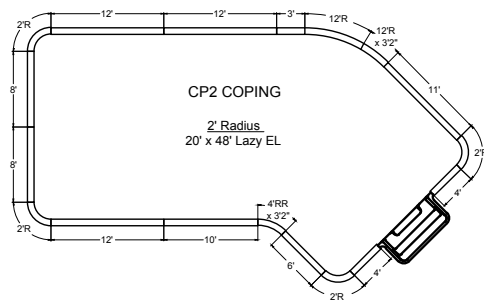
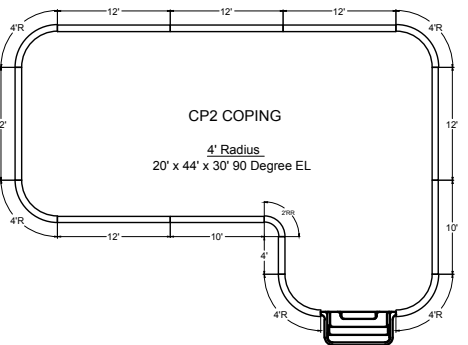
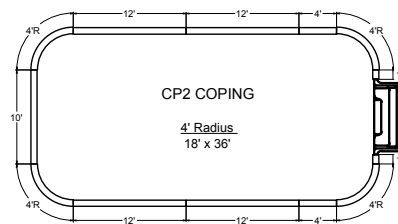
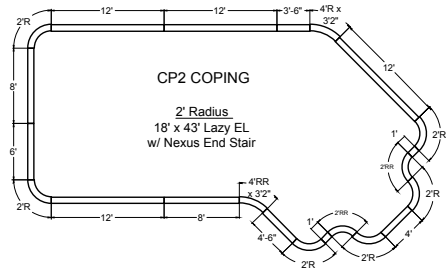
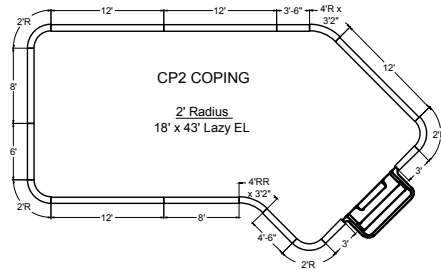
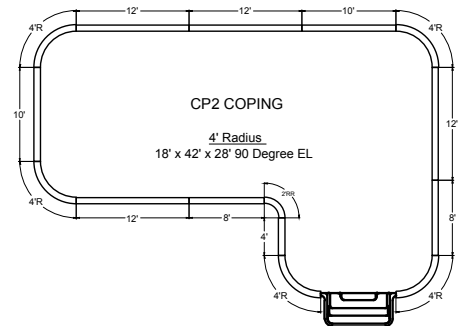
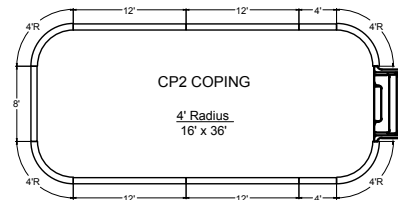
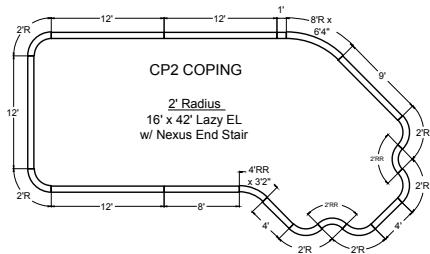
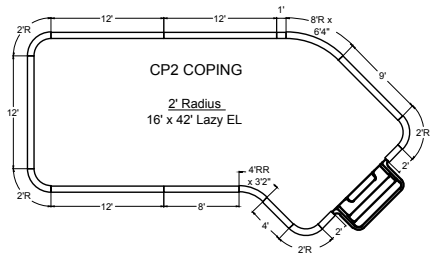
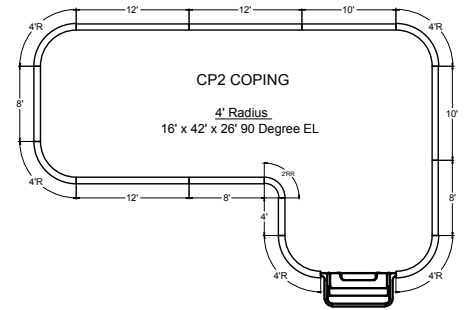
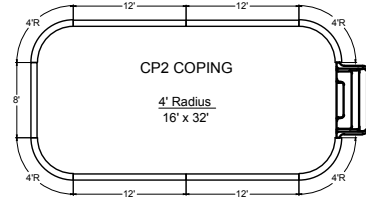
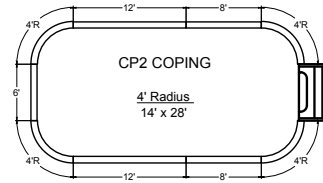
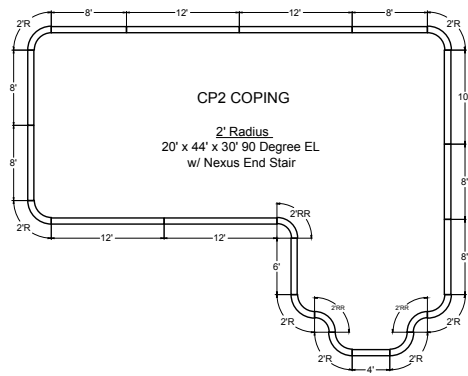
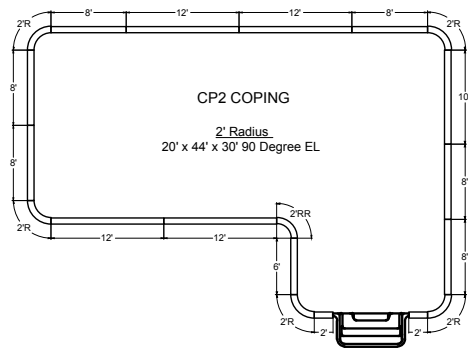
Covering Coping Seams

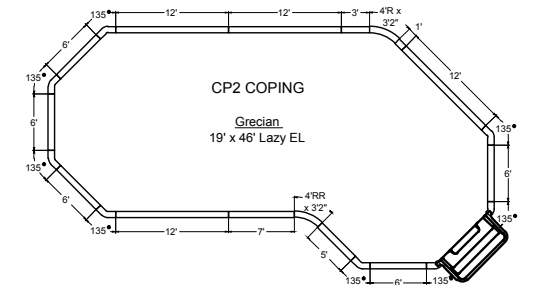
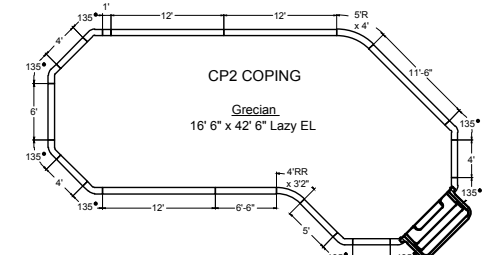
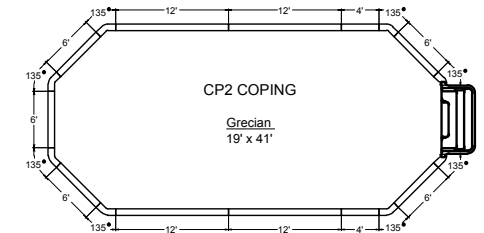
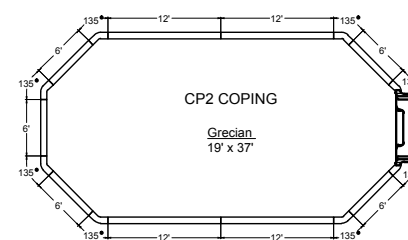
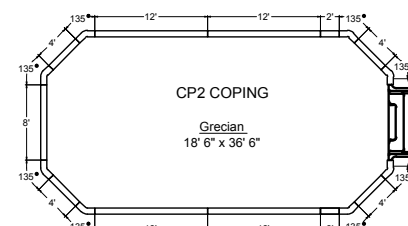
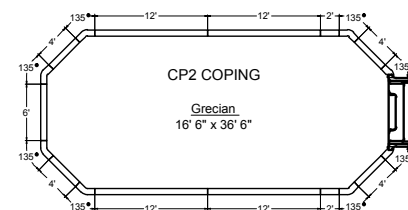
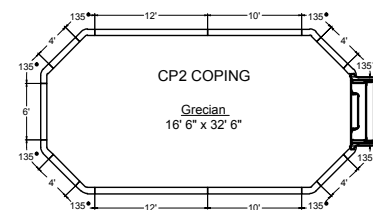
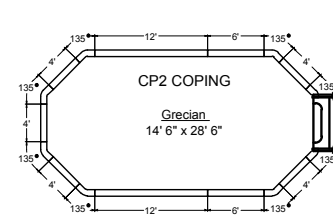
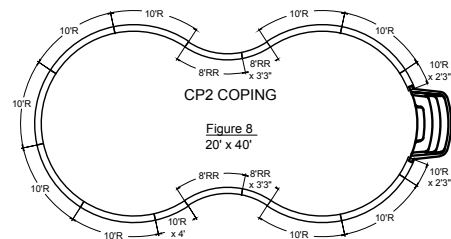
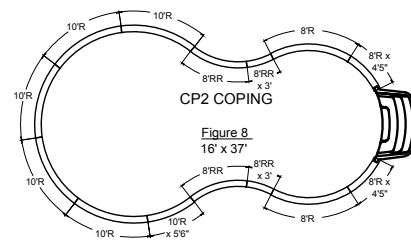
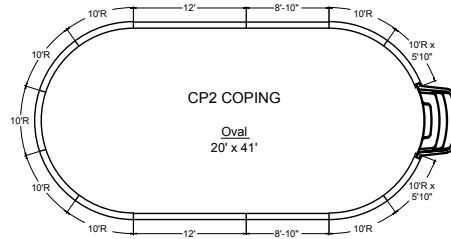
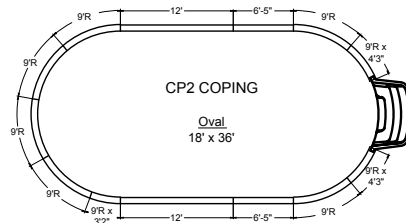
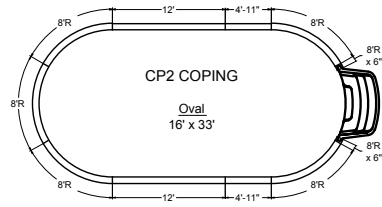
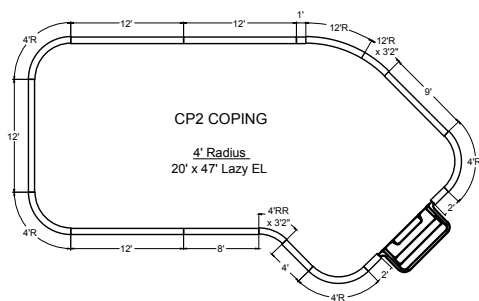
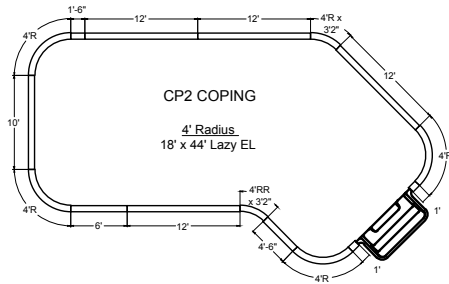
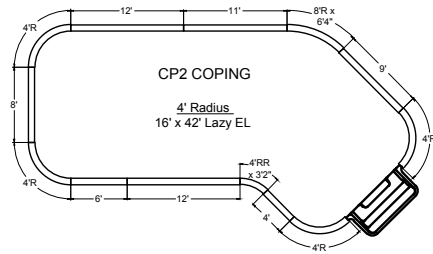


CP2 COPING LAYOUTS

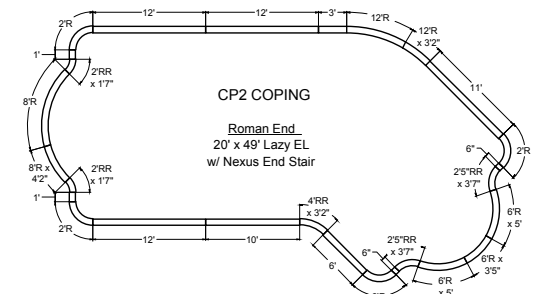
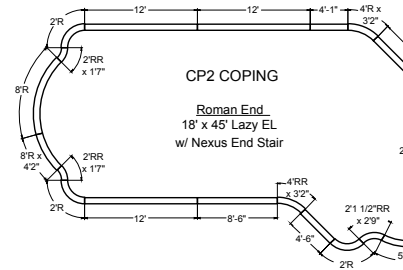
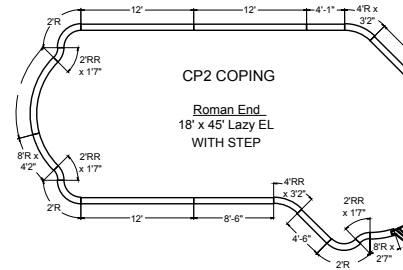
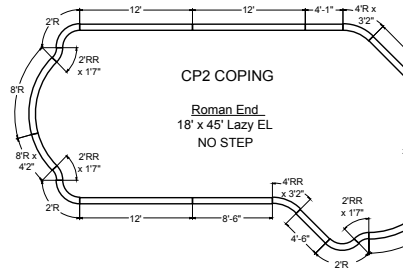
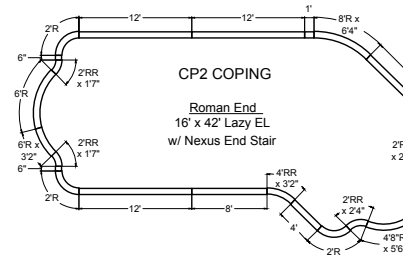
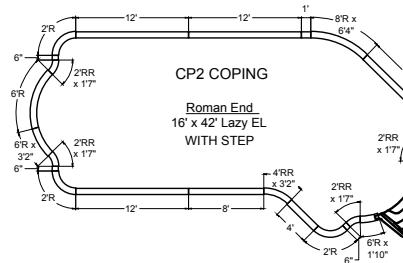
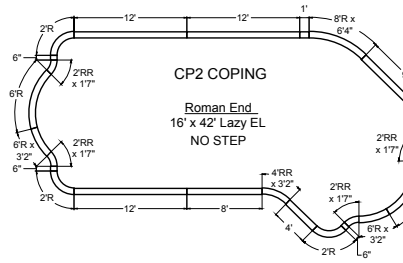
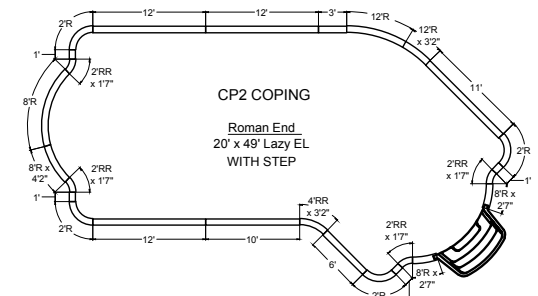
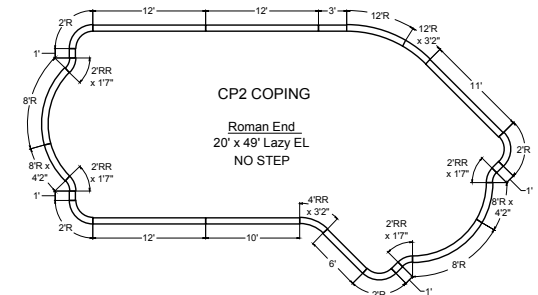
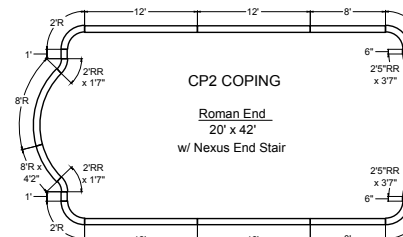
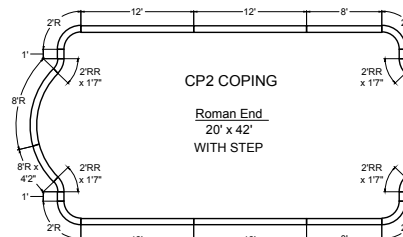
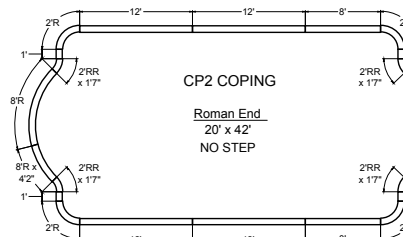
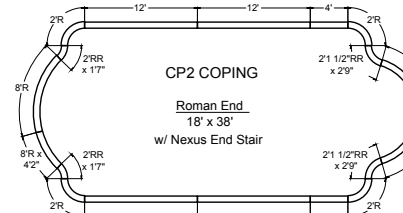
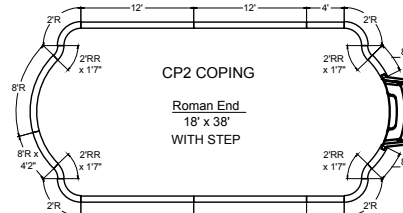
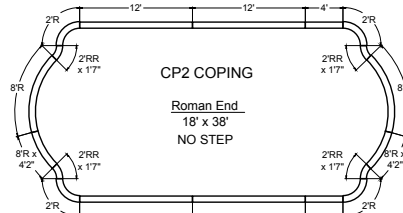
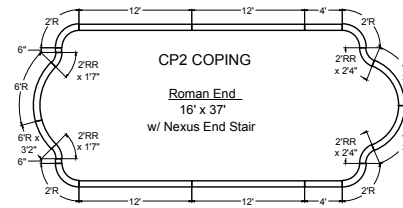
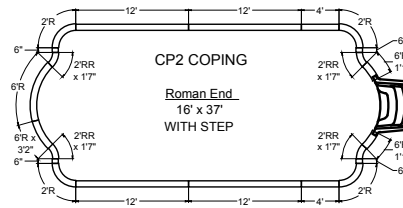
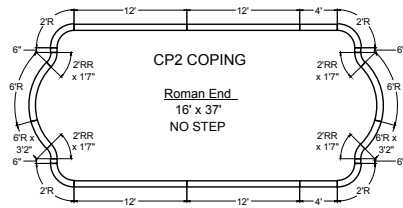


CP2 COPING LAYOUTS

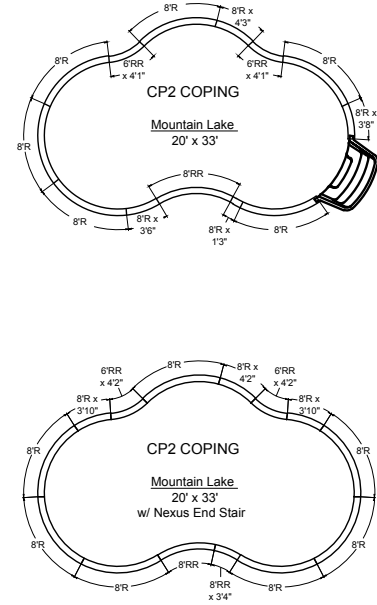
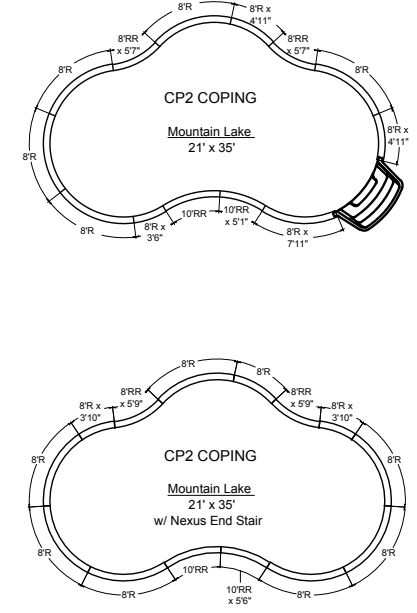
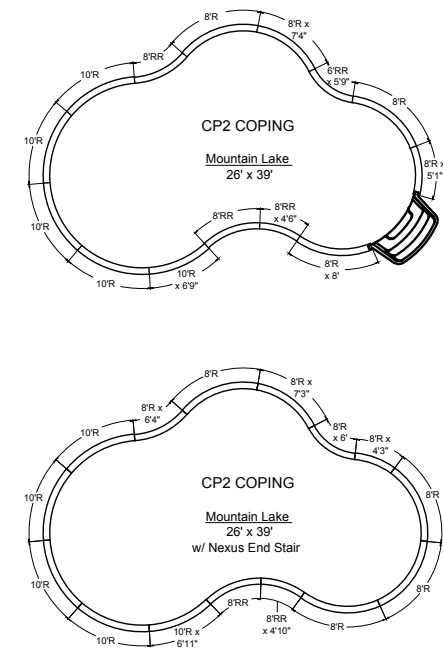
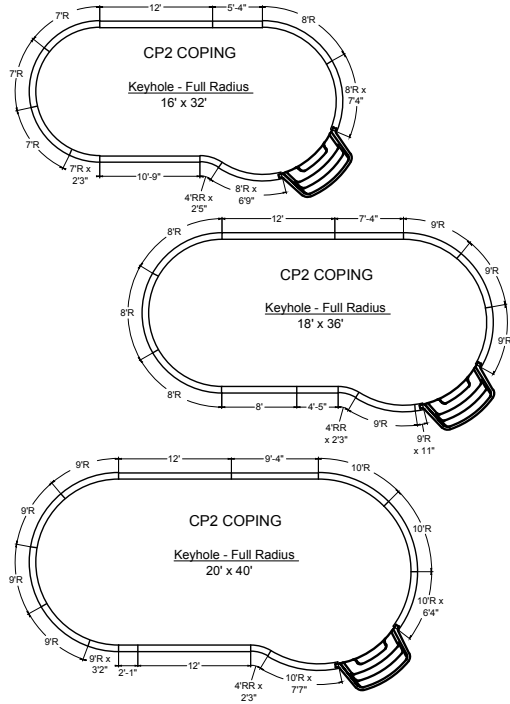
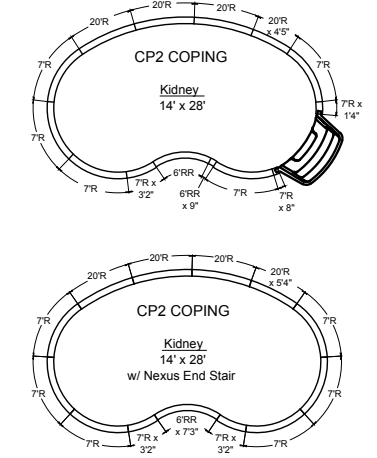
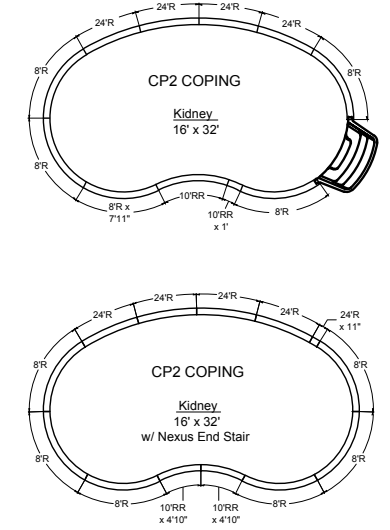
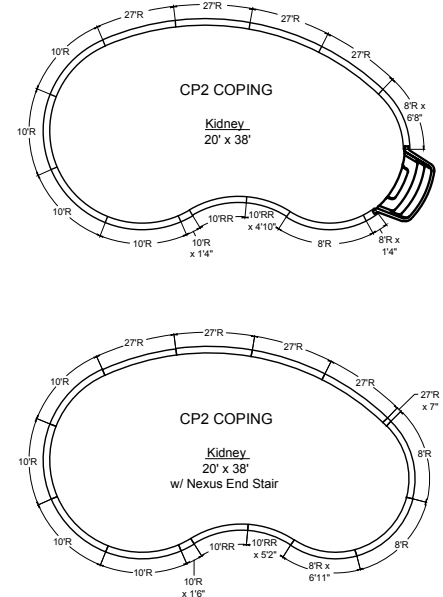
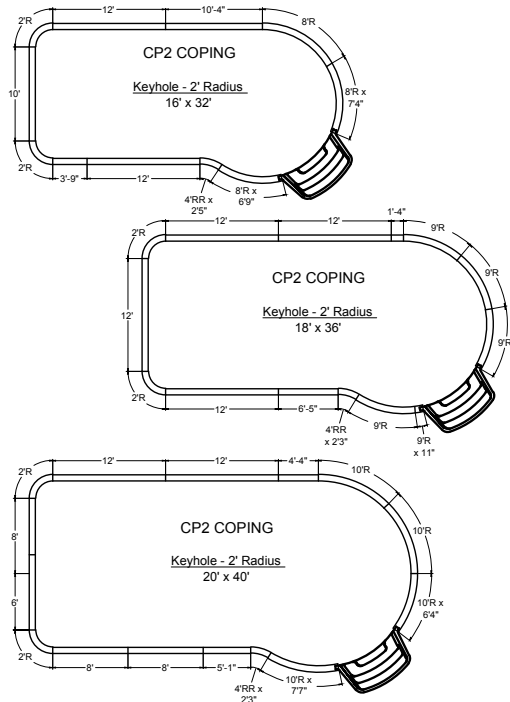




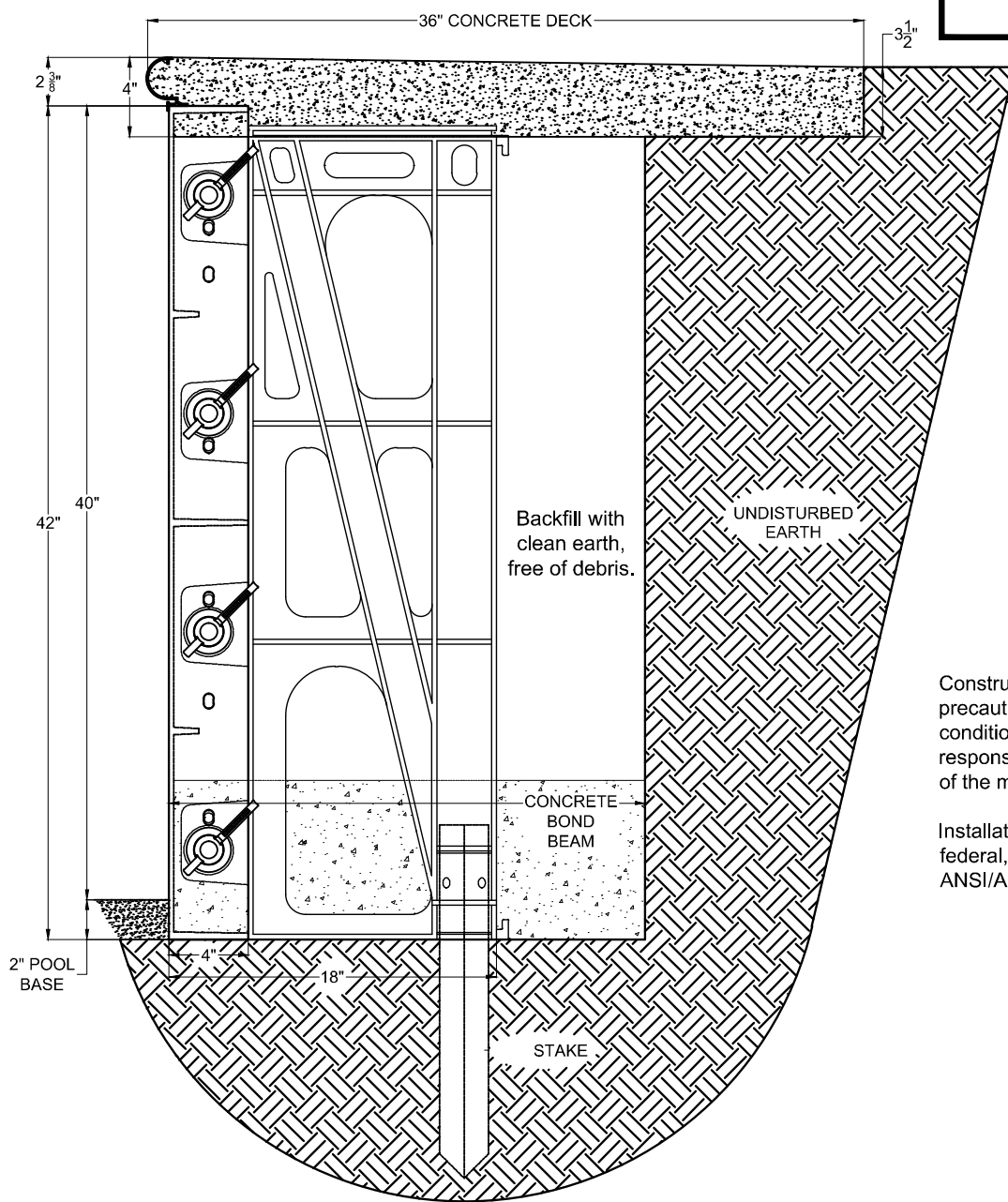
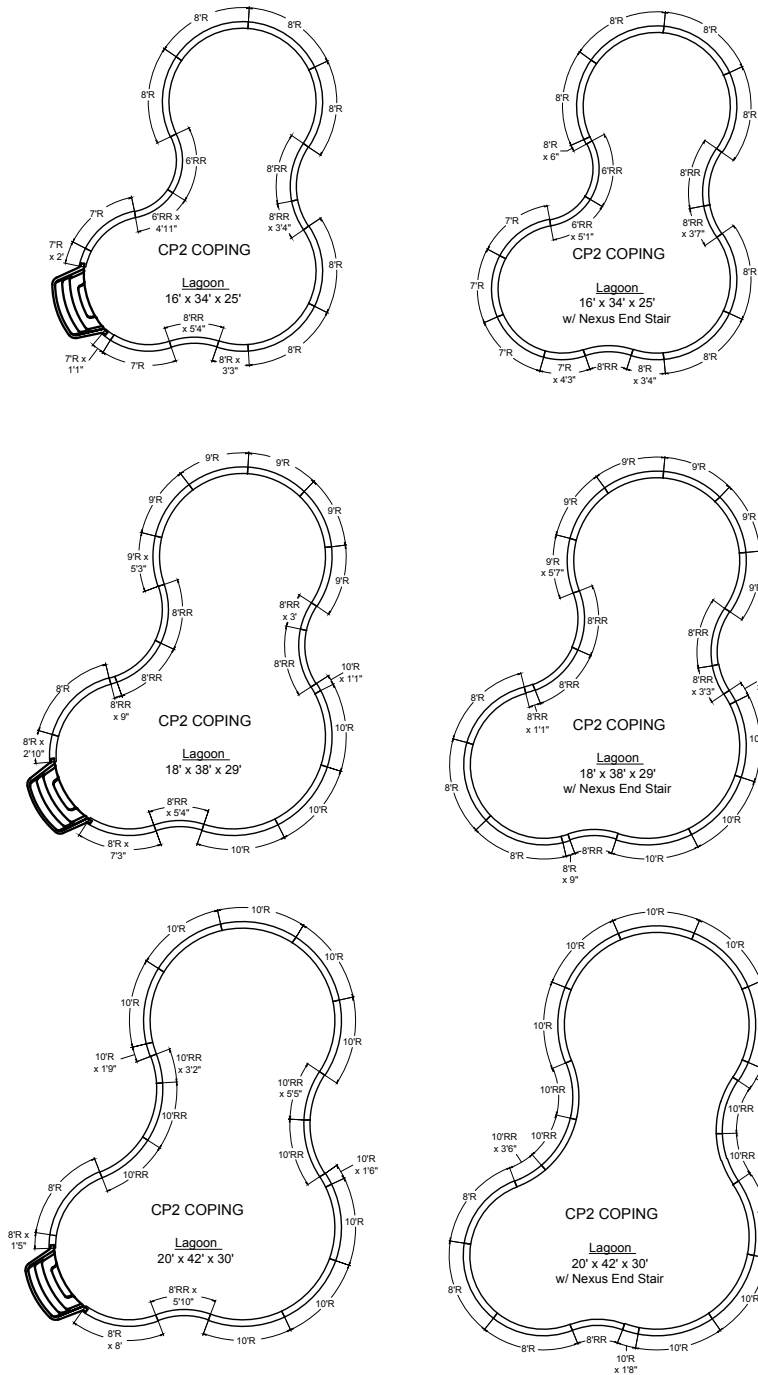
CP2 COPING LAYOUTS



CP2 COPING LAYOUTS



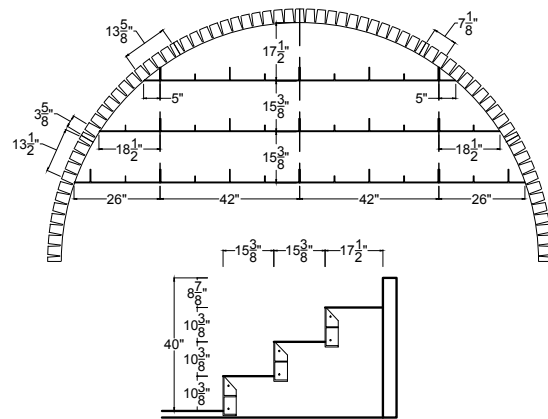
CP2 COPING LAYOUTS
PANEL DIG CROSS SECTION



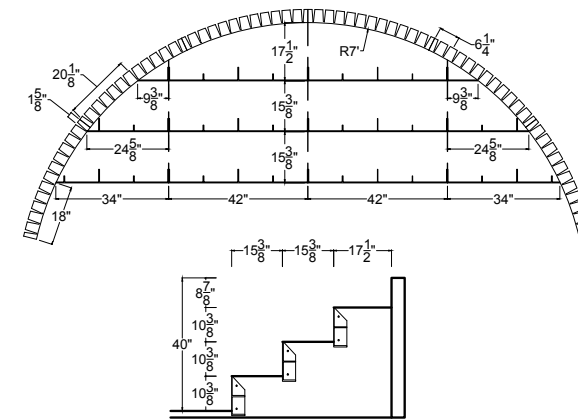
Construction Drawing: Different methods and precautions may be dictated by various ground conditions. This is to be determined by and is the responsibility of the contractor who is not an agent of the manufacturer of the component parts.

Installation is to be done in accordance with all federal, state and local building codes, as well as ANSI/APSP/ICC-5 2011 suggested standards.

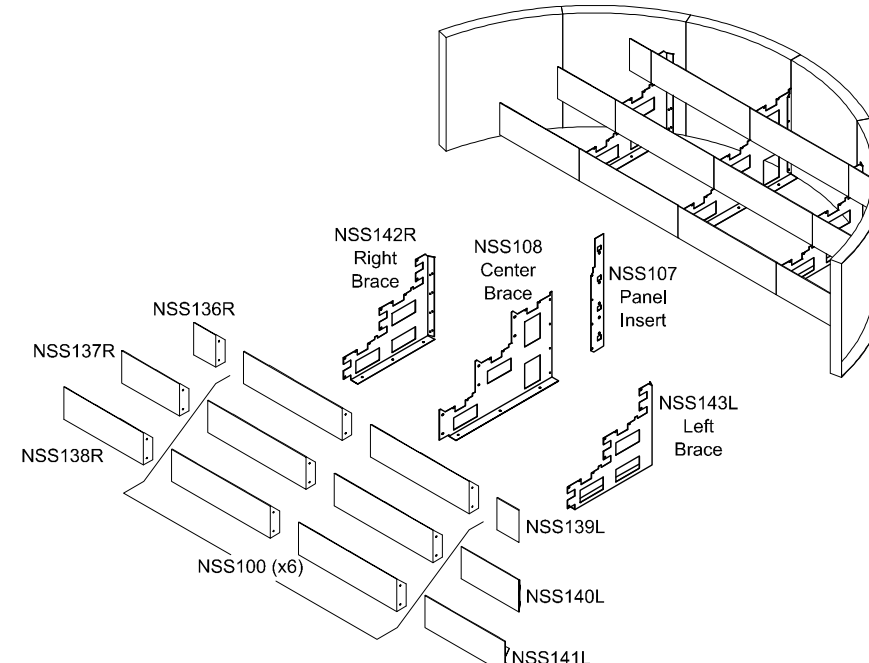
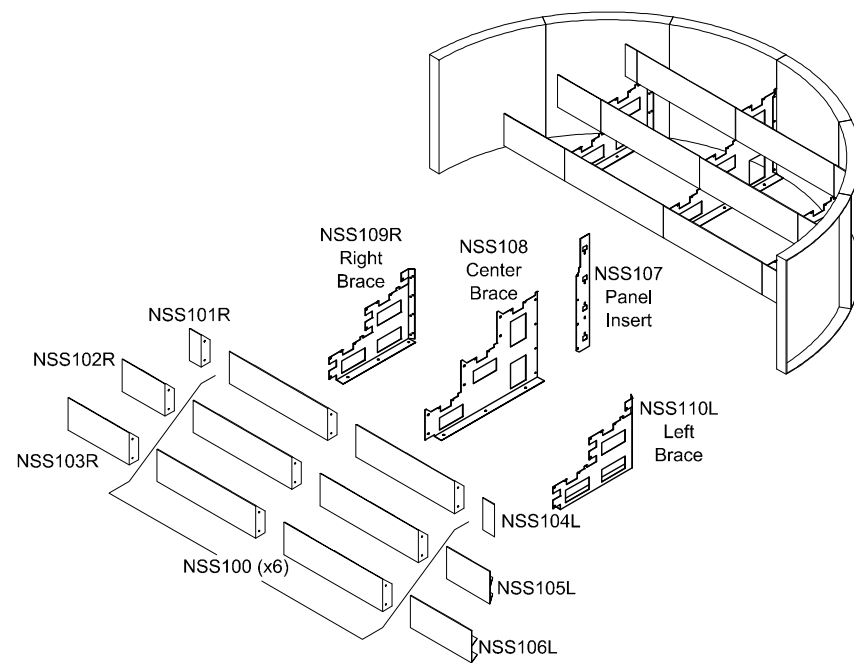
NEXUS STAIR FORM LAYOUTS

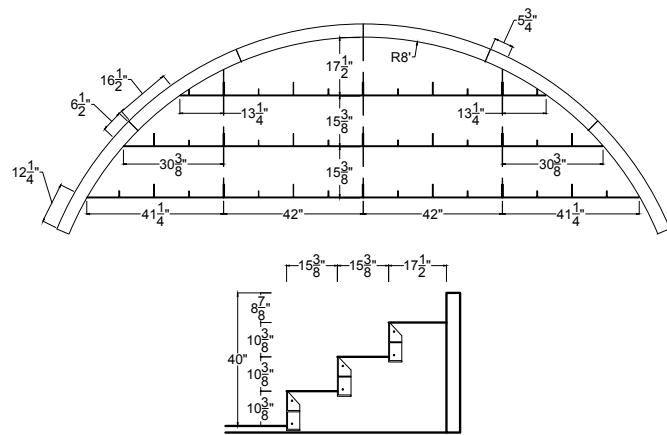


6'R x 12'W Nexus Stair System - NSS001

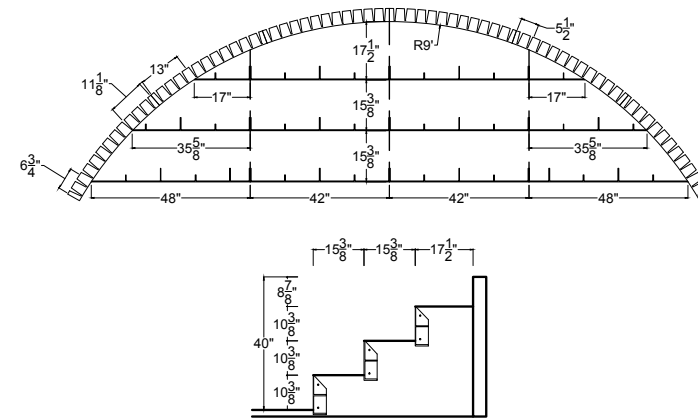
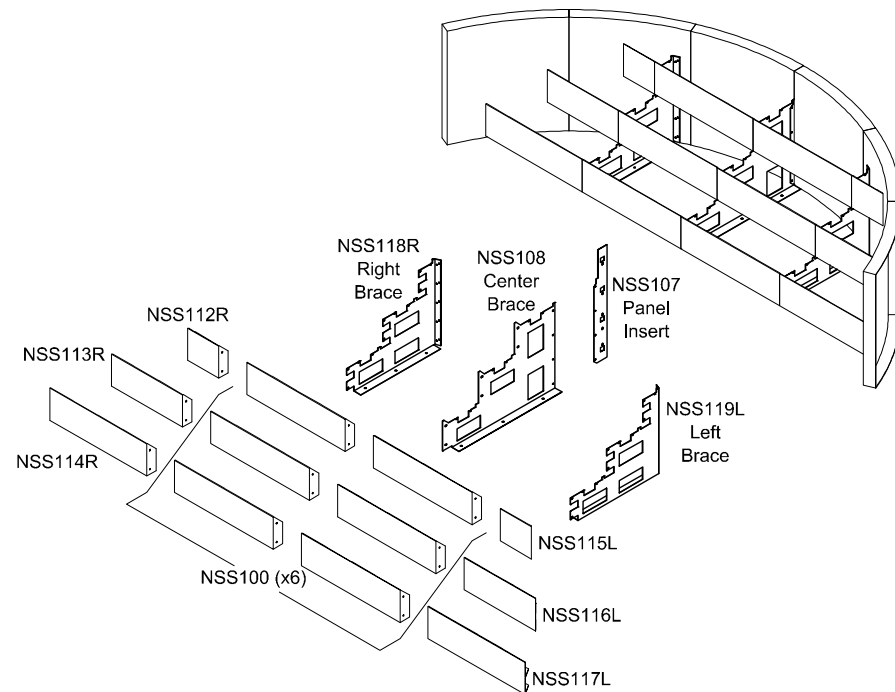


7'R x 13'W Nexus Stair System - NSS002

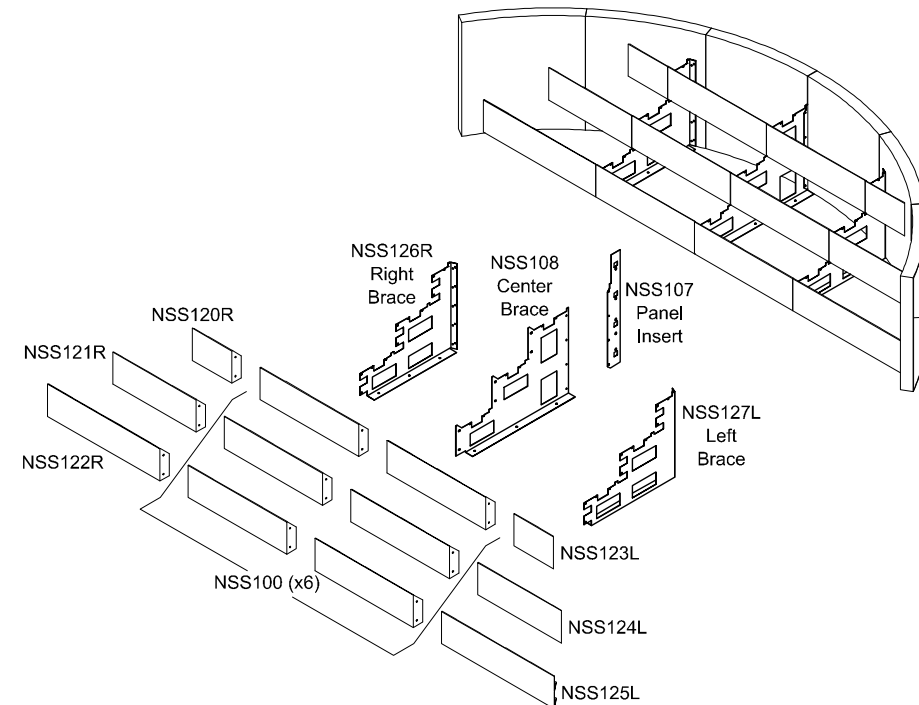




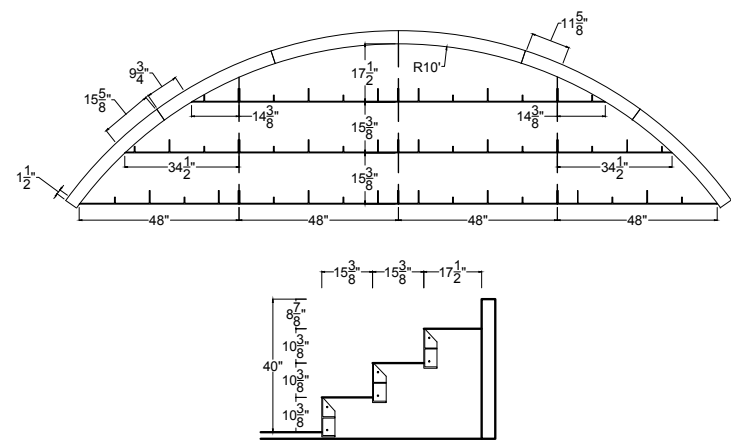
8'R x 14'W Nexus Stair System - NSS003



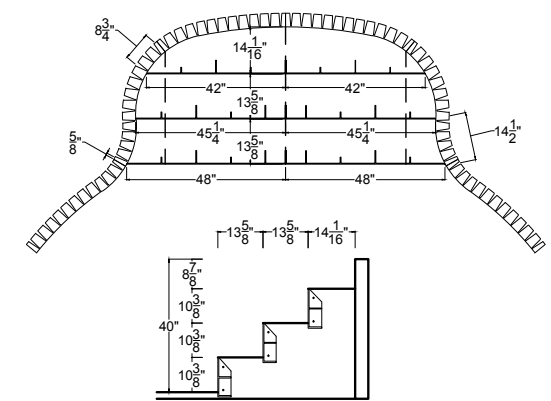
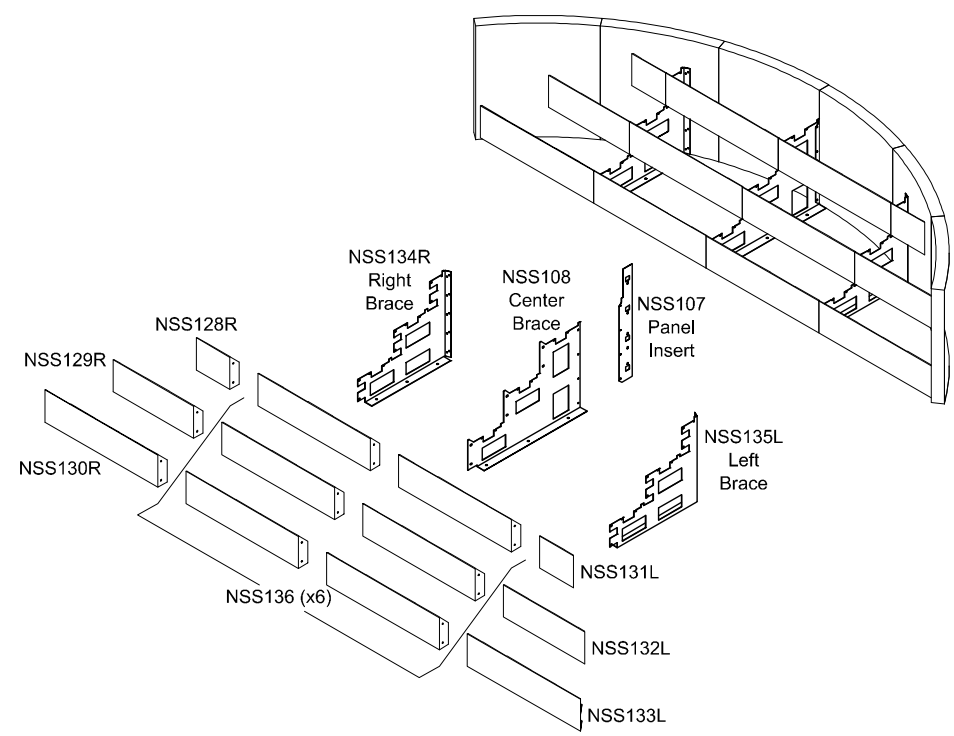
9'R x 15'W Nexus Stair System - NSS004



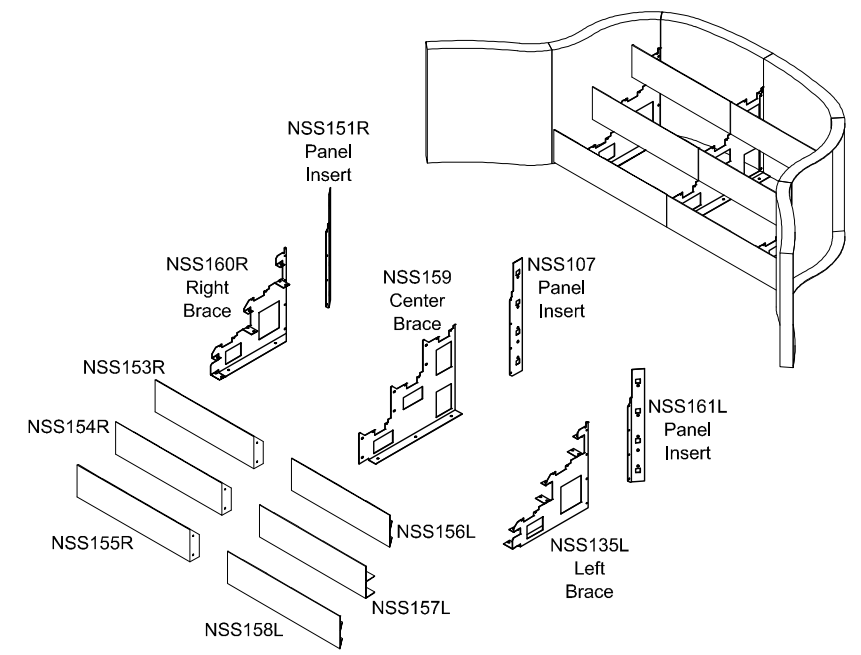
NEXUS STAIR FORM LAYOUTS

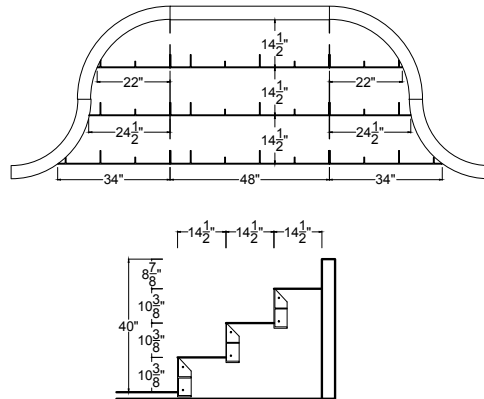


10' x 16'W Nexus Stair System - NSS005

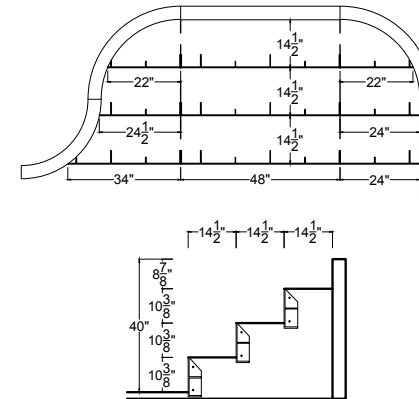
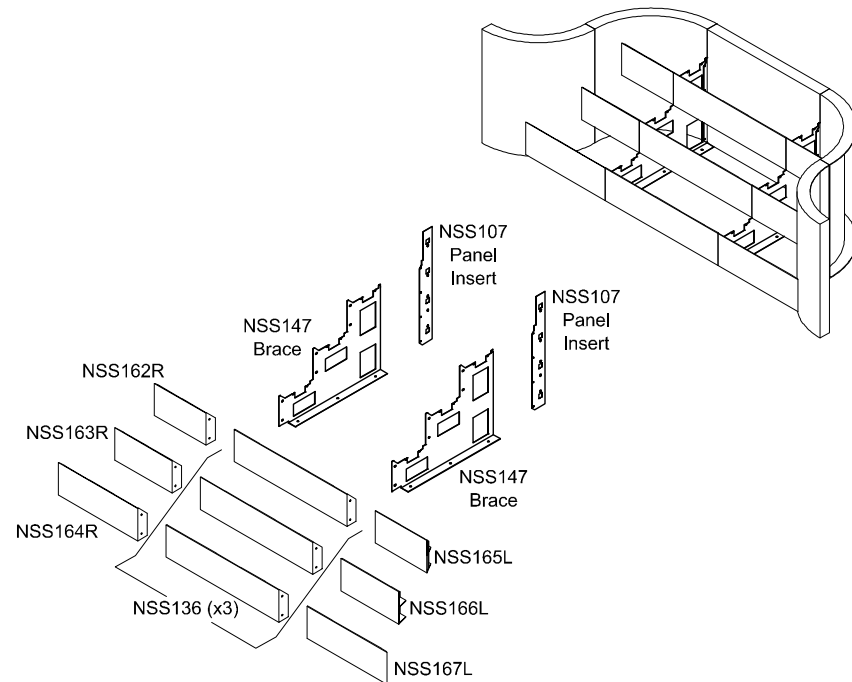


Nexus Stair System 10'8"R to 2'R x 8' - NSS006

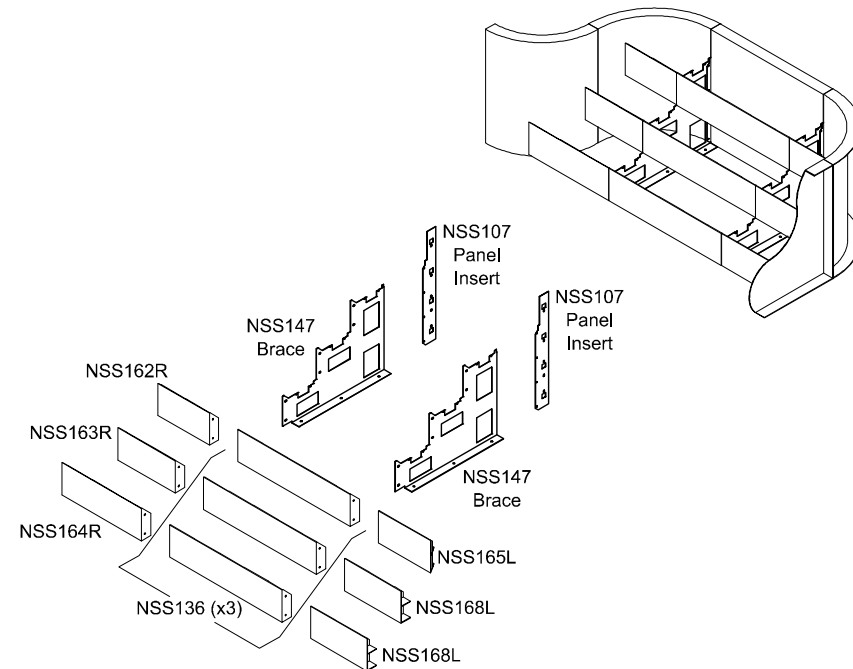


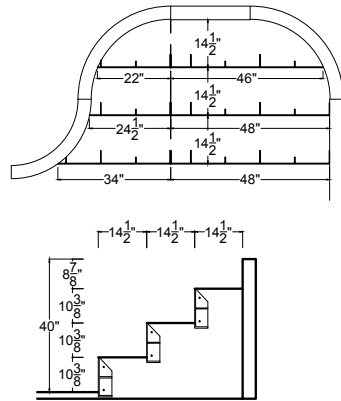


8' x 2'R x 2'RR Nexus Stair System - NSS007

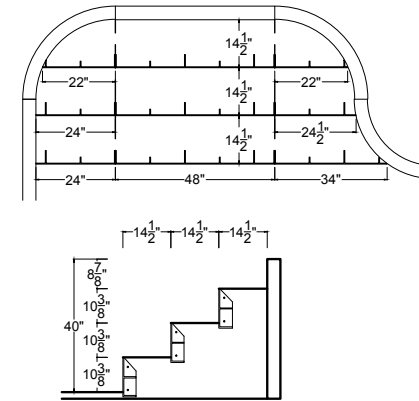
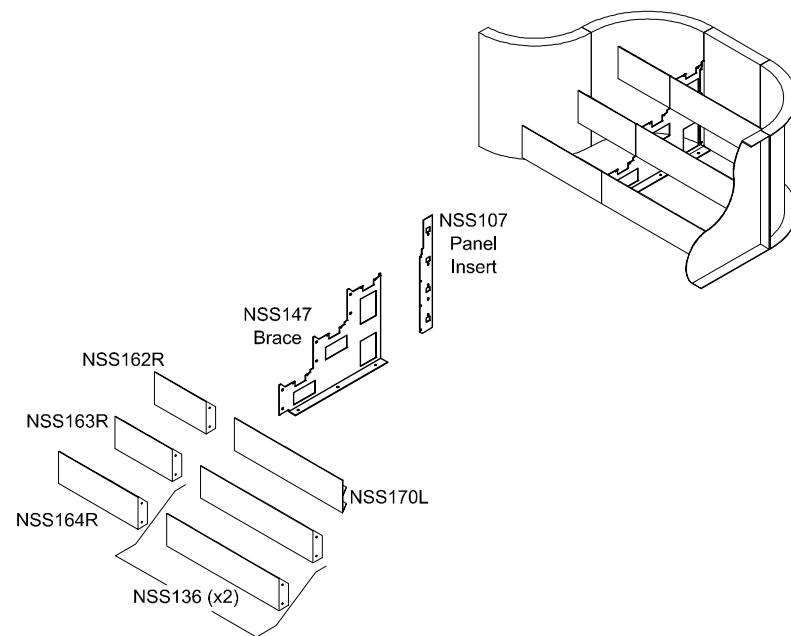


8' x 2'R - 3 Corner Right Nexus Stair System - NSS008

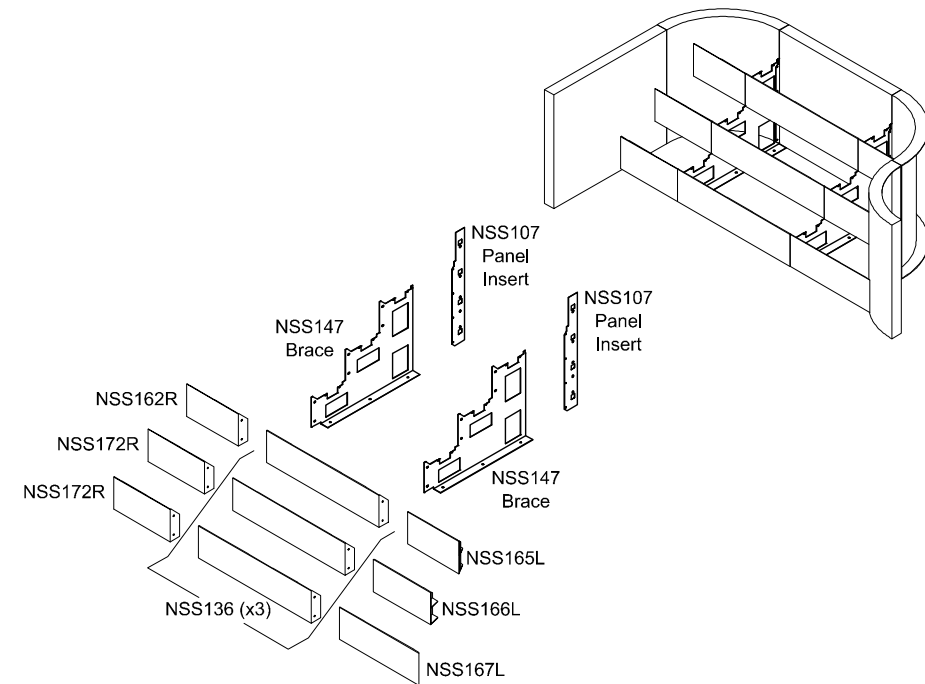


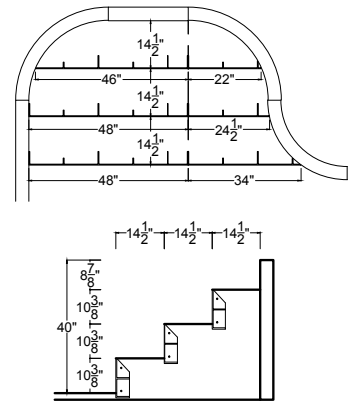


6' x 2'R - 3 Corner Right Nexus Stair System - NSS009

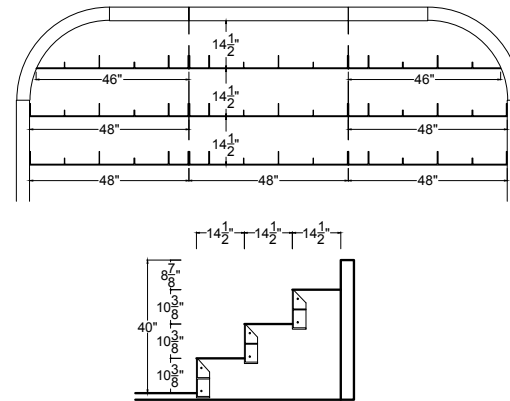
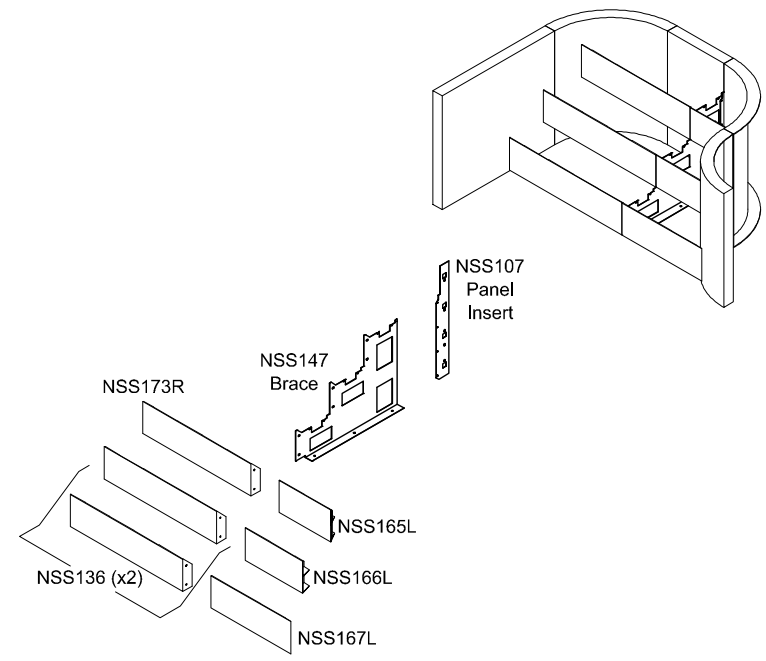


8' x 2'R - 3 Corner Left Nexus Stair System - NSS010

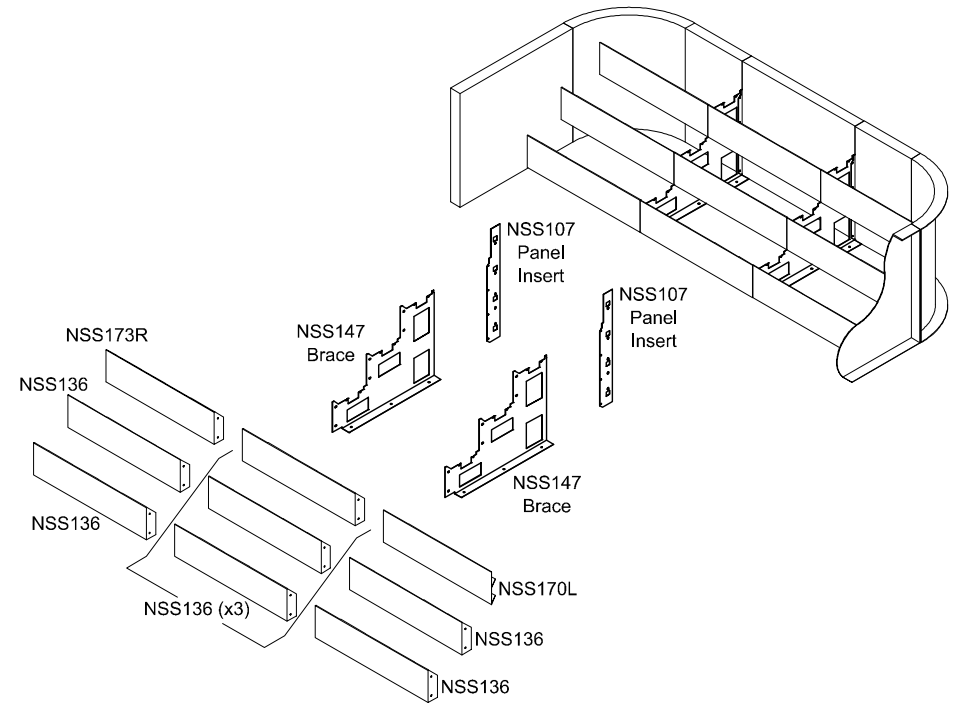




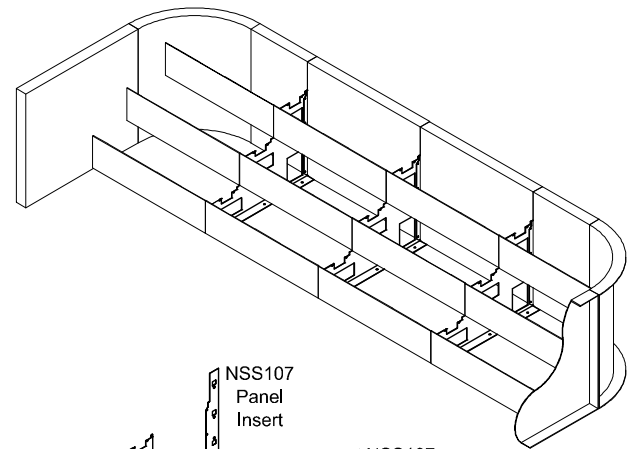
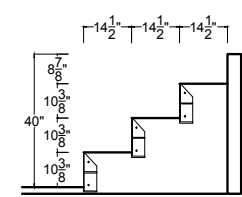
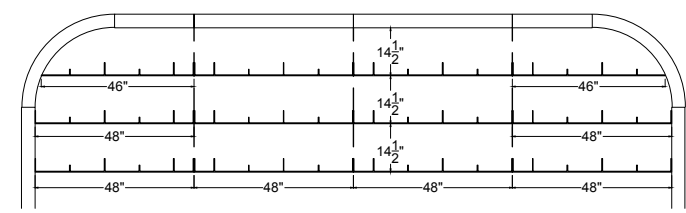
6' x 2'R - 3 Corner Left Nexus Stair System - NSS011



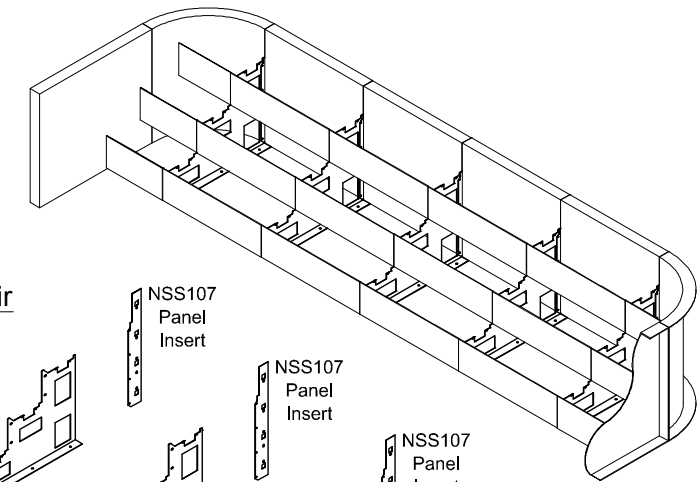
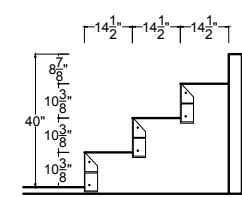
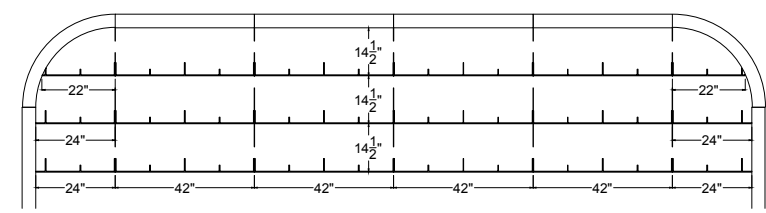
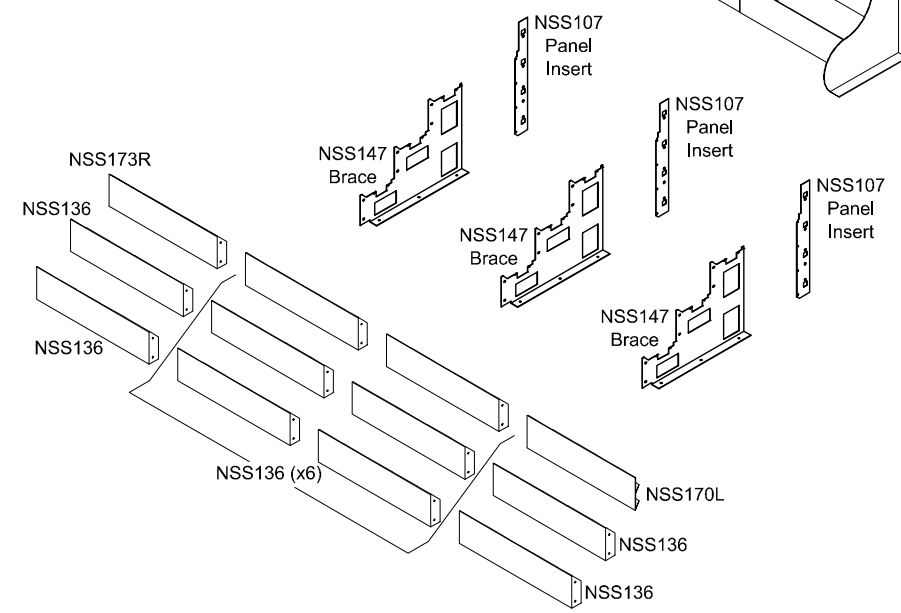
12' x 2'R Nexus Stair System - NSS029



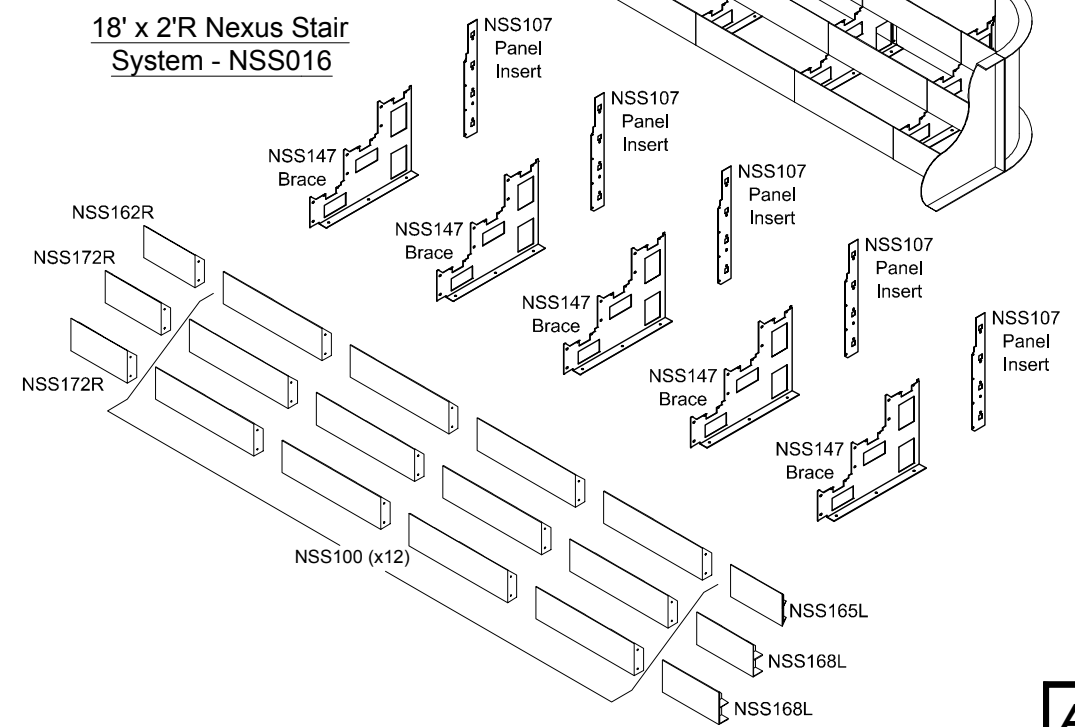
NEXUS STAIR FORM LAYOUTS

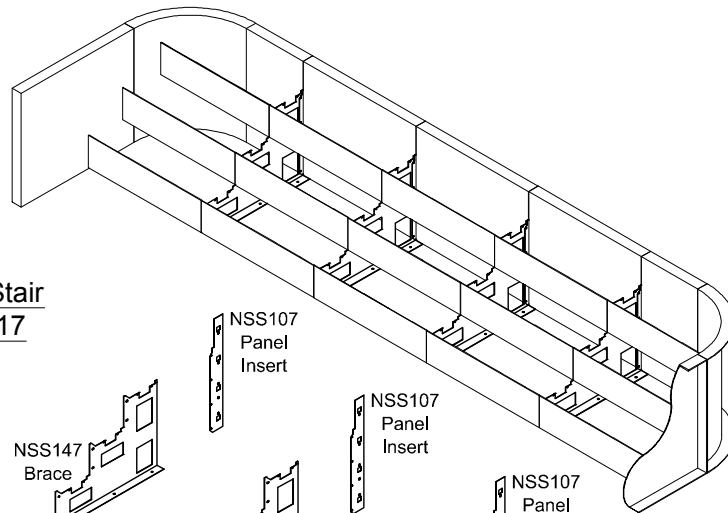
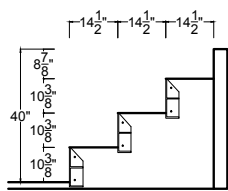
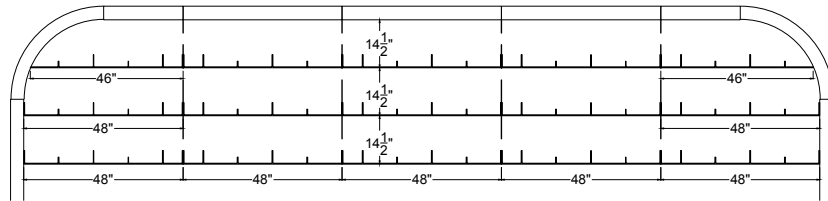


16' x 2'R Nexus Stair System - NSS015

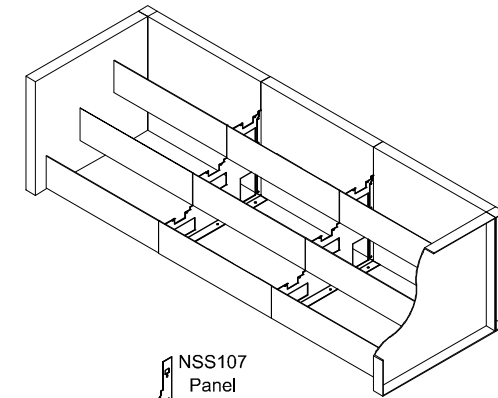
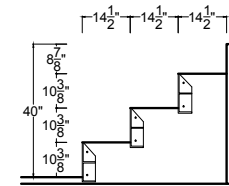
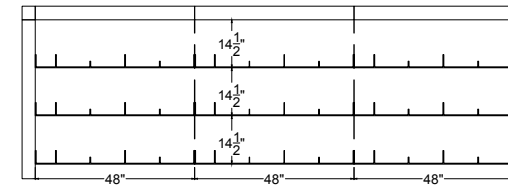
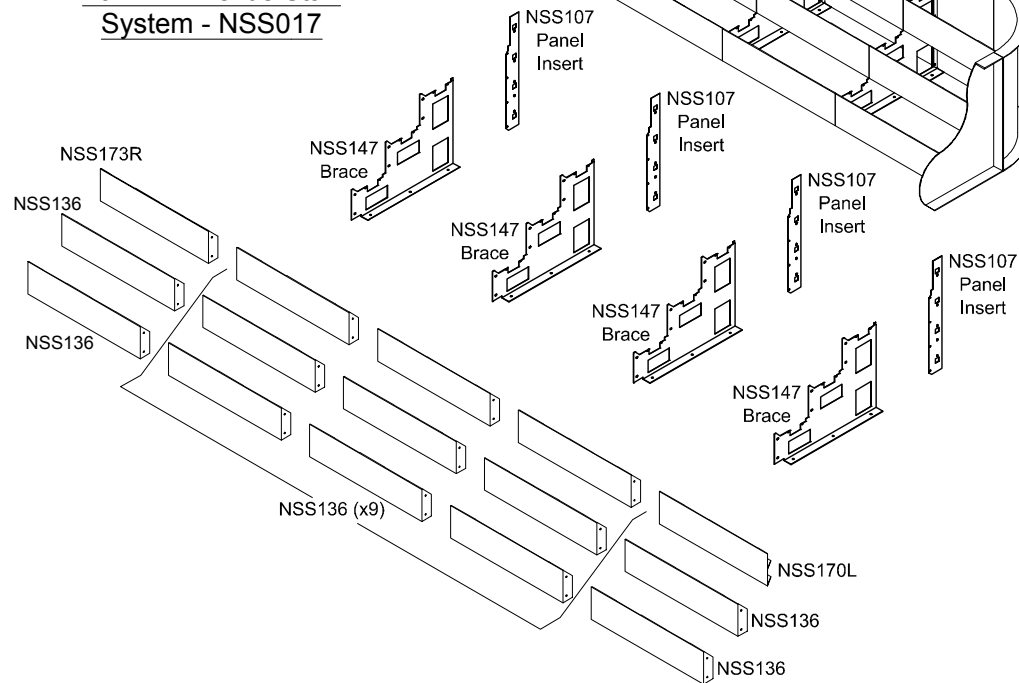


18' x 2'R Nexus Stair System - NSS016

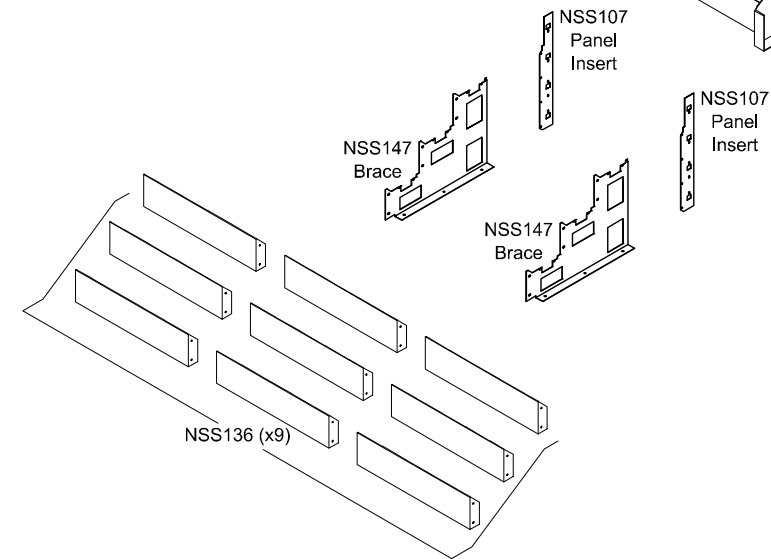


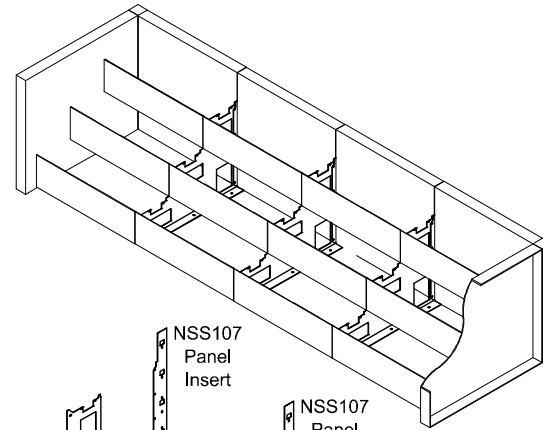
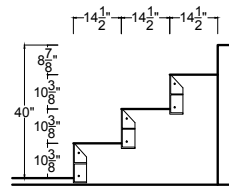
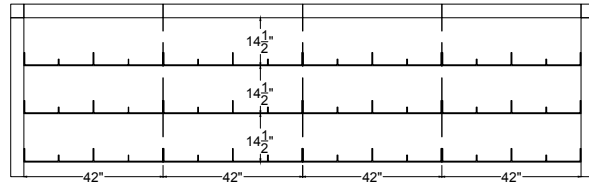


20' x 2'R Nexus Stair System - NSS017

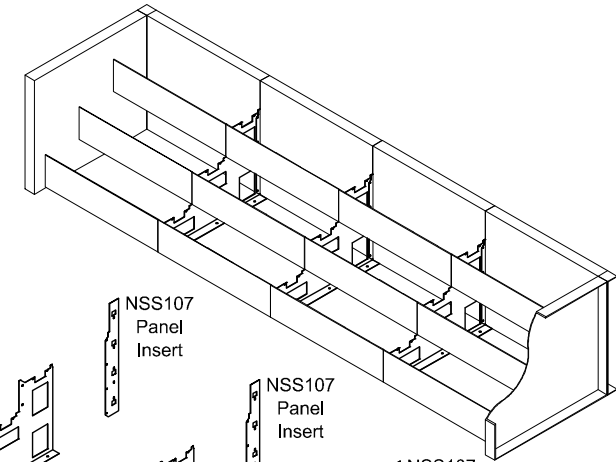
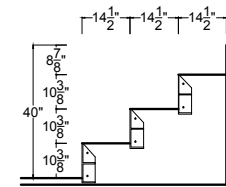
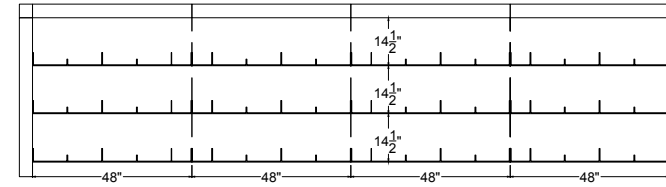
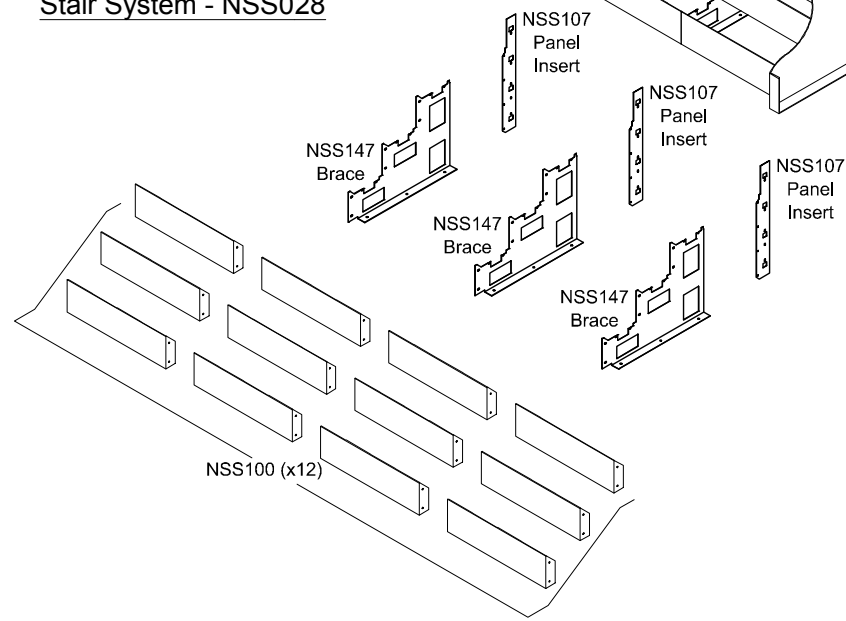


12' x 90 Degree Nexus Stair System - NSS027

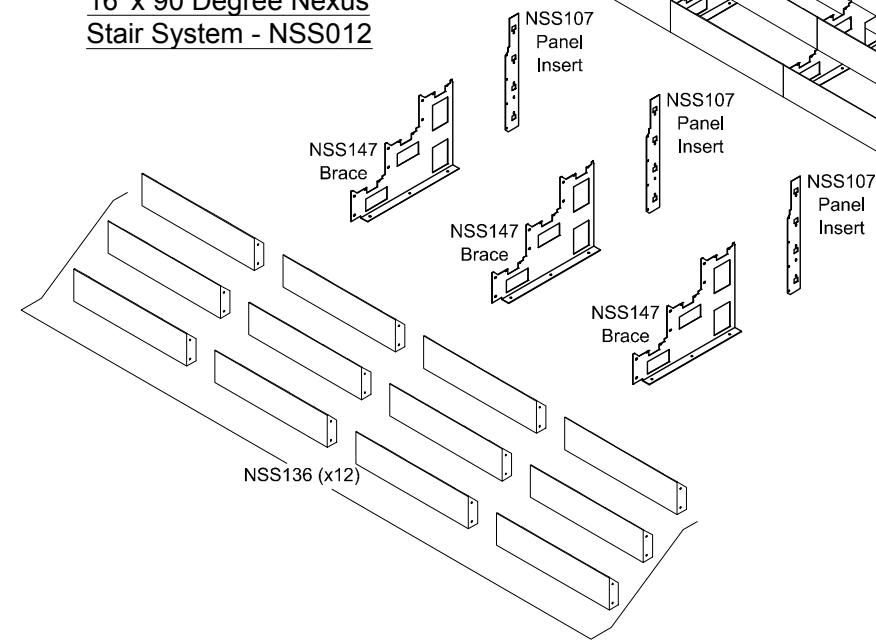


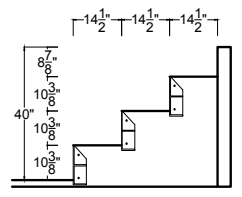
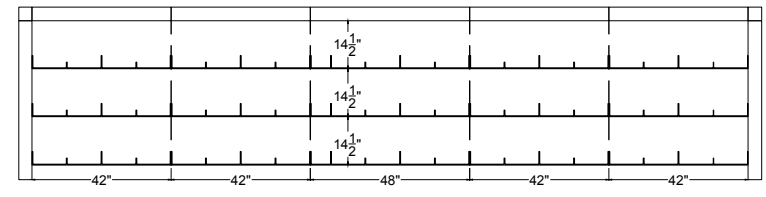


**14' x 90 Degree Nexus
Stair System - NSS028**

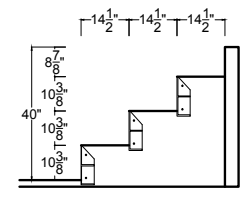
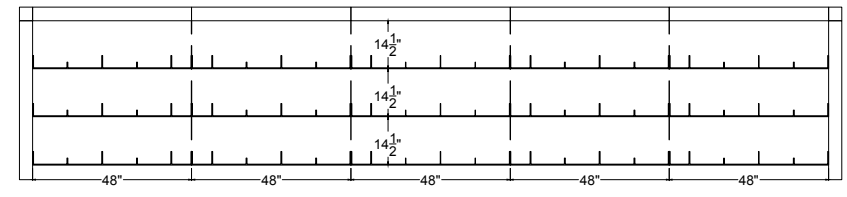
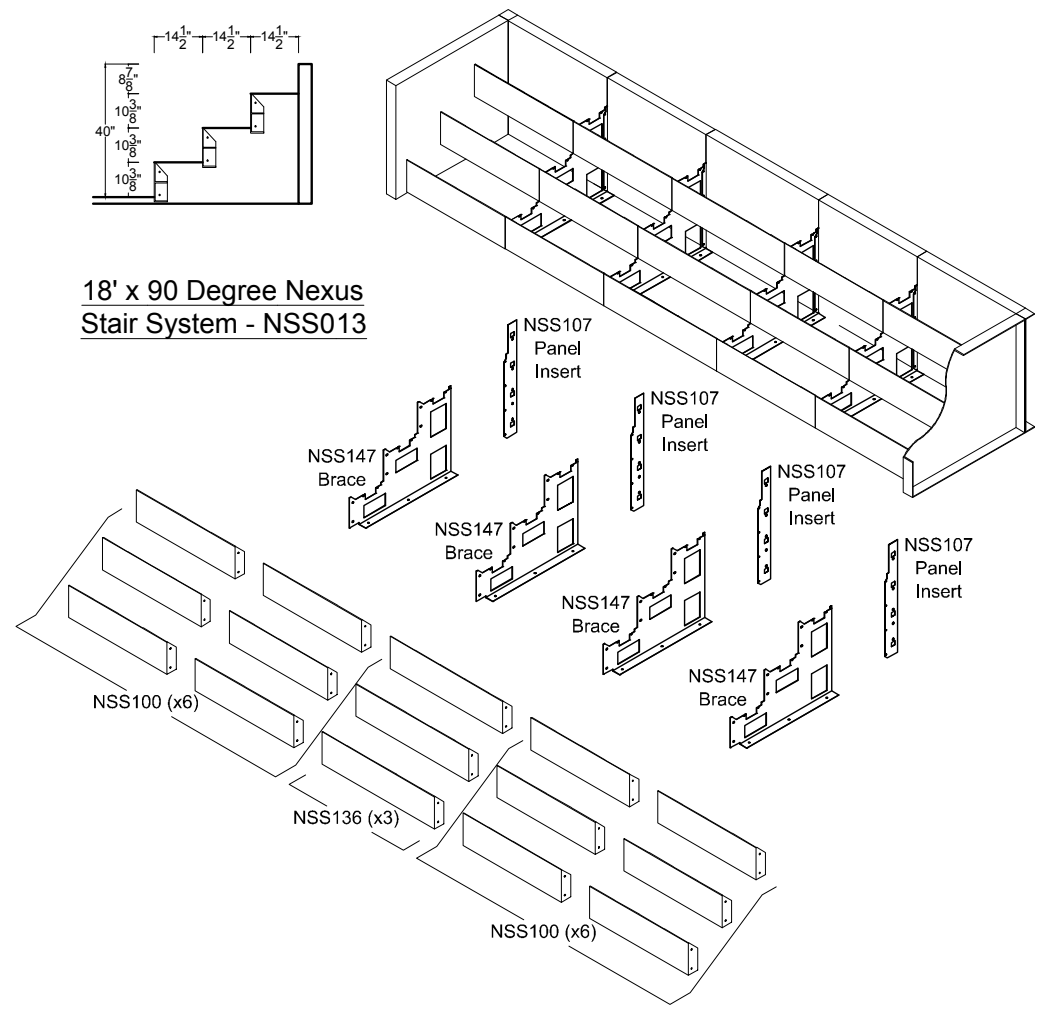


**16' x 90 Degree Nexus
Stair System - NSS012**

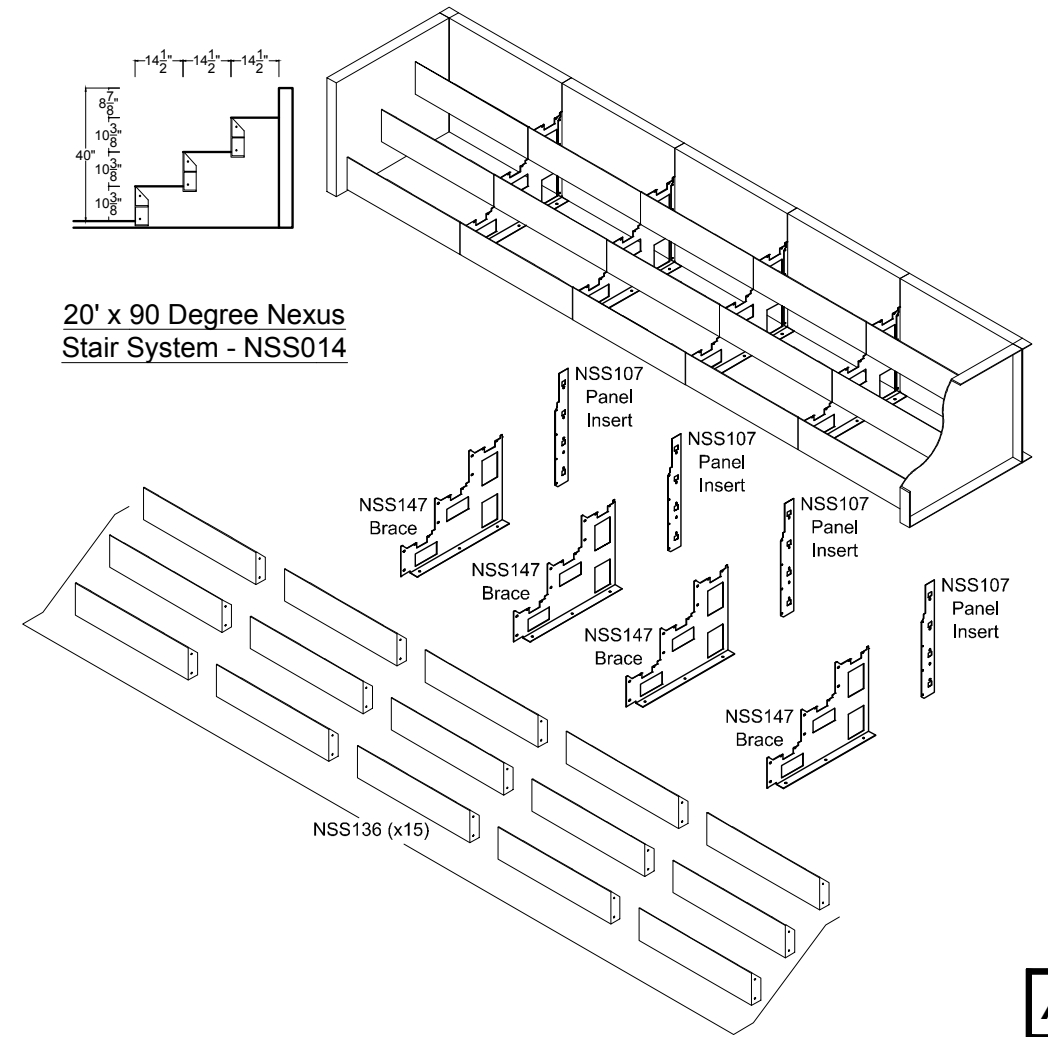




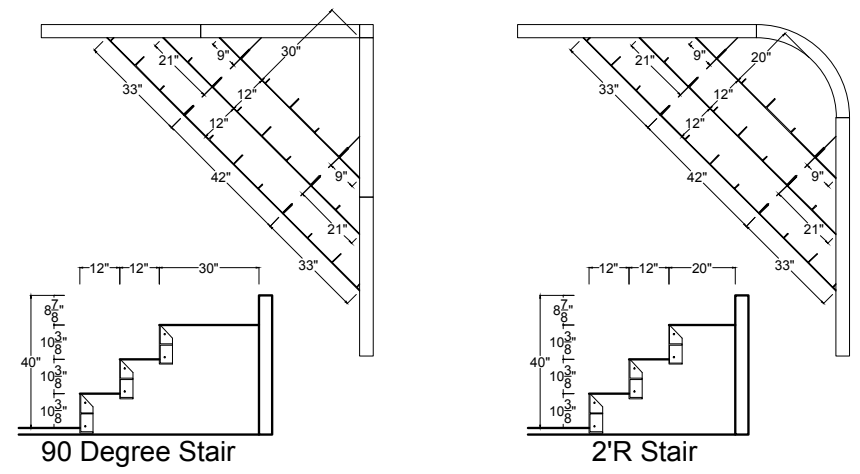
18' x 90 Degree Nexus
Stair System - NSS013



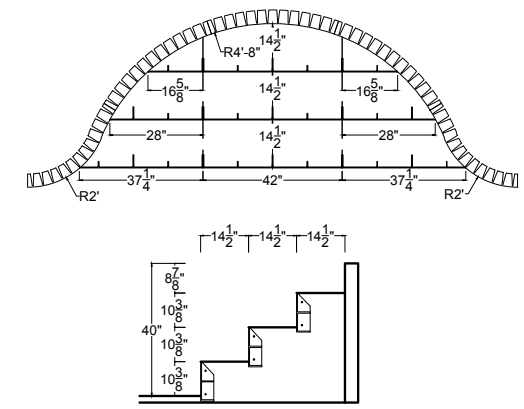
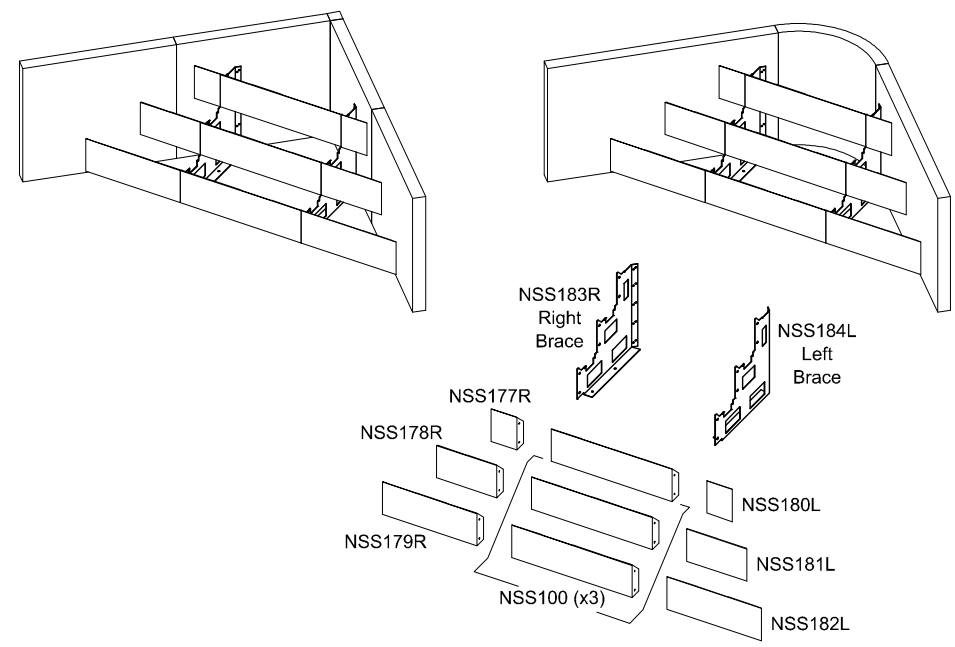
20' x 90 Degree Nexus
Stair System - NSS014



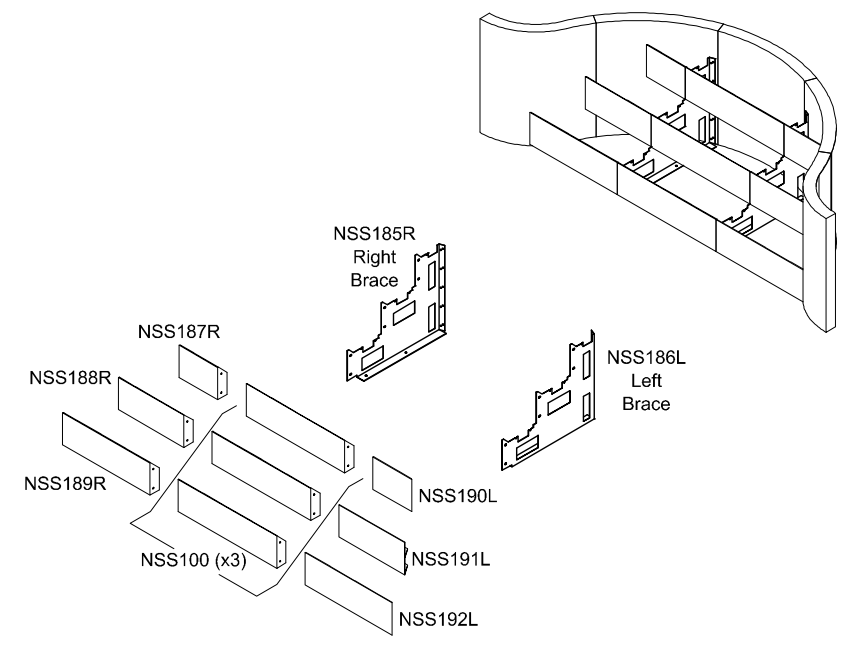
NEXUS STAIR FORM LAYOUTS



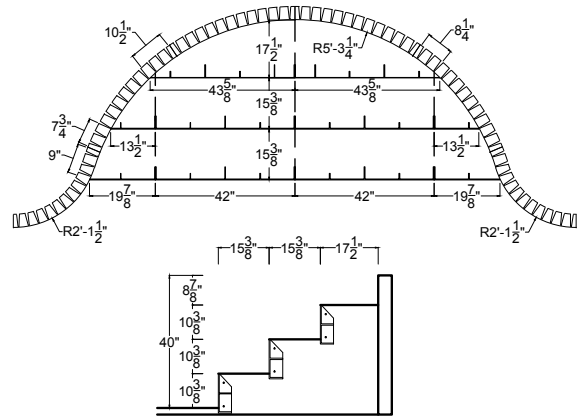
90 Degree & 2'R Inside Corner Stair - NSS018



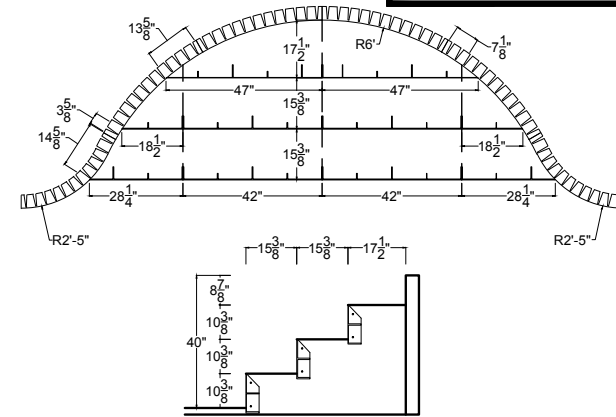
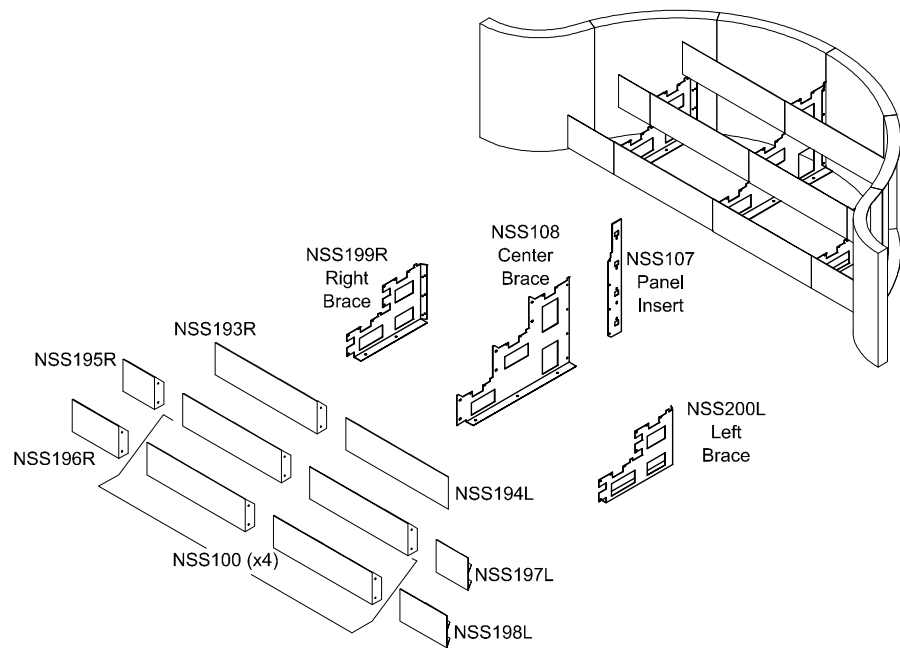
Nexus Stair System for 16' Wide Roman End - NSS019



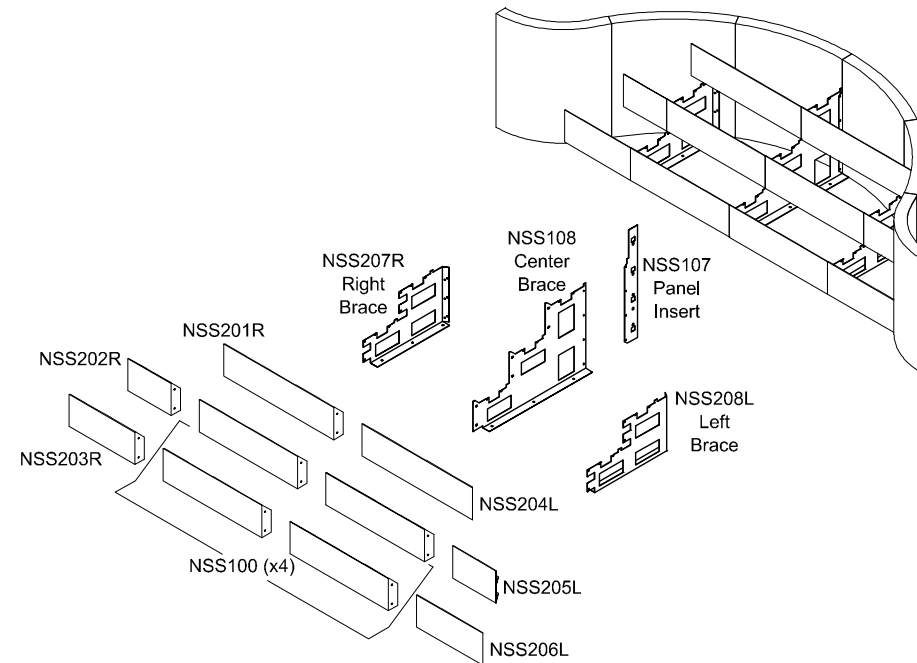
NEXUS STAIR FORM LAYOUTS



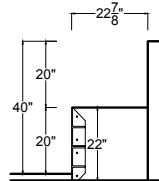
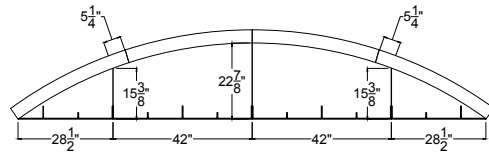
Nexus Stair System for 18' Wide Roman End - NSS020



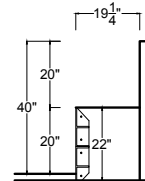
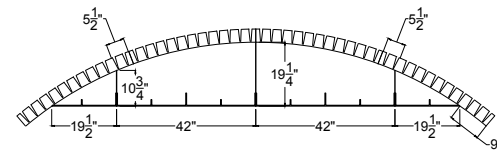
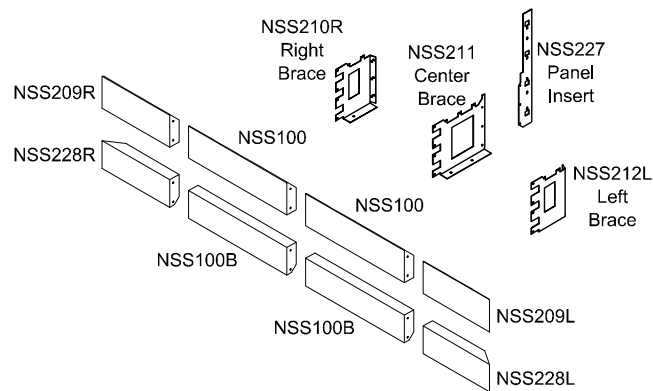
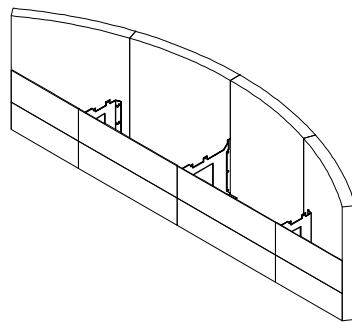
Nexus Stair System for 20' Wide Roman End - NSS021



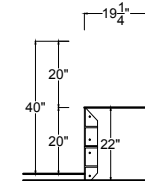
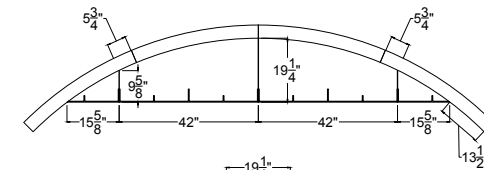
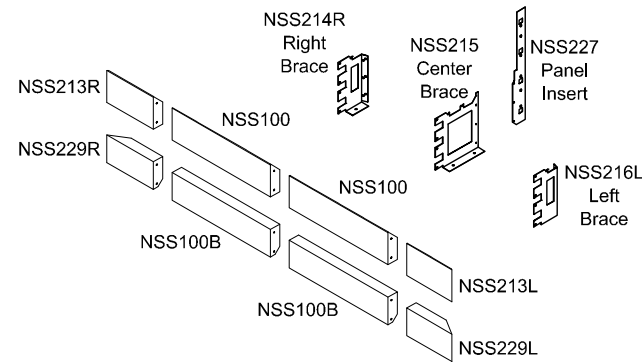
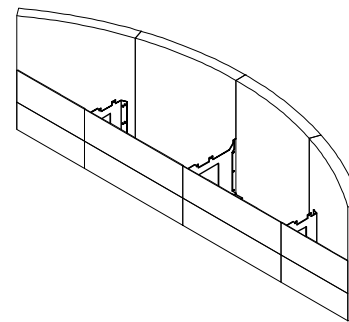
NEXUS CUDDLE COVE LAYOUTS



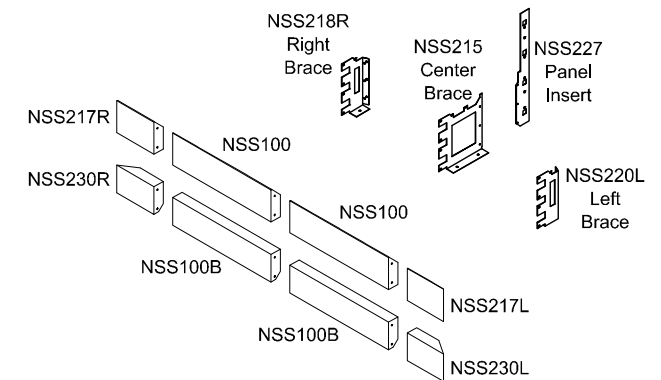
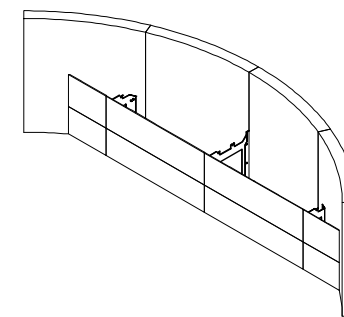
10'R Nexus Cove - NSS022



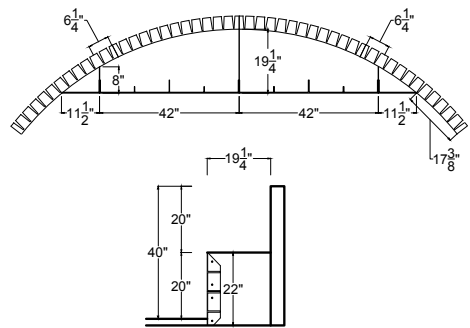
9'R Nexus Cove - NSS023



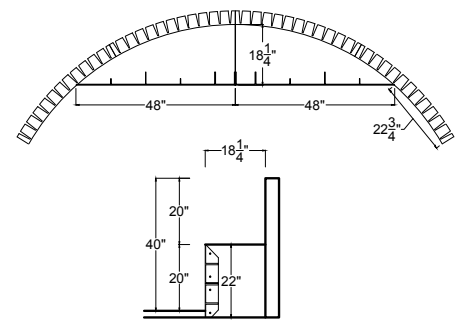
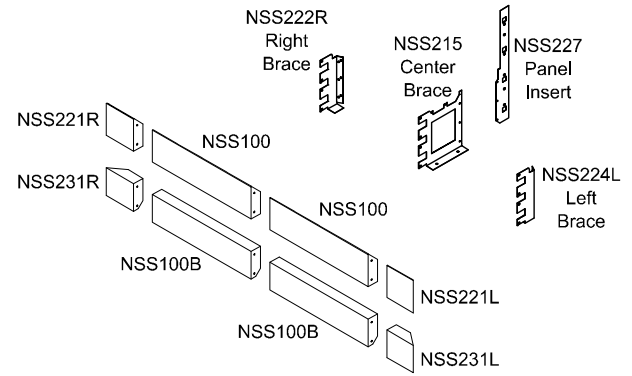
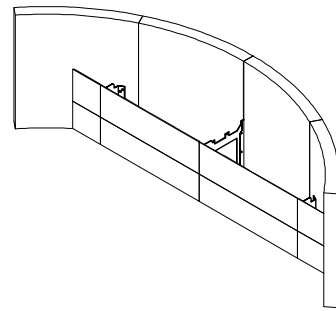
8'R Nexus Cove - NSS024



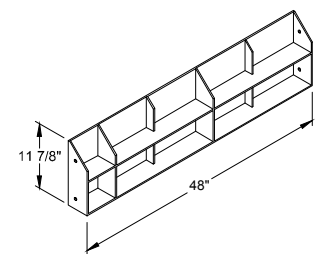
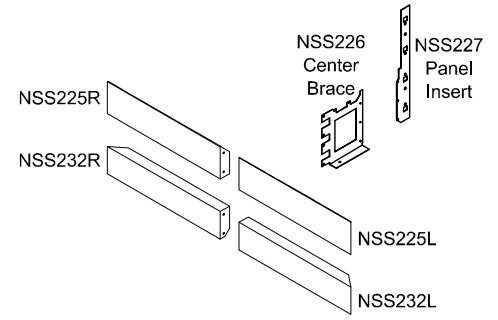
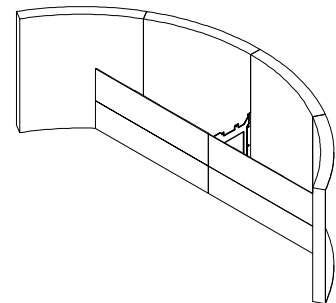
NEXUS CUDDLE COVE LAYOUTS
NEXUS FORM SECTIONS



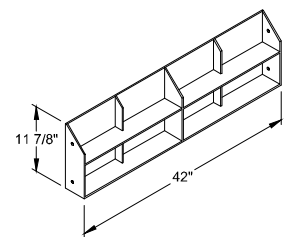
7'R Nexus Cove - NSS025



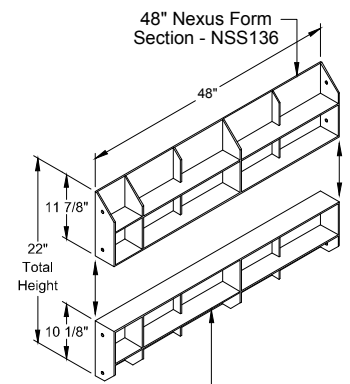
6'R Nexus Cove - NSS026



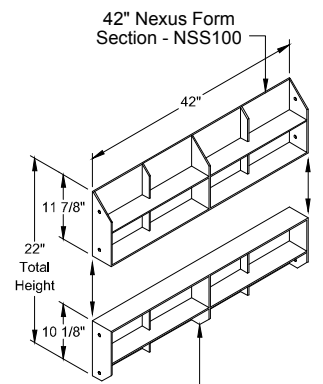
48" Nexus Form Section - NSS136



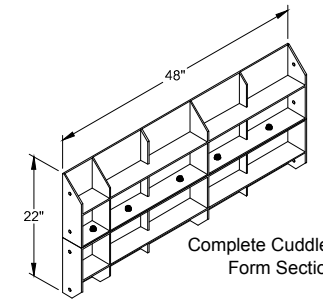
42" Nexus Form Section - NSS100



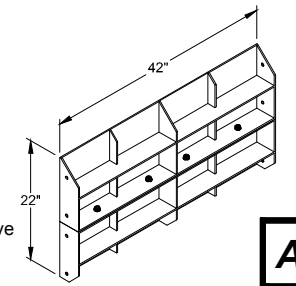
48" Nexus Bottom Cuddle Cove Form Section - NSS136B



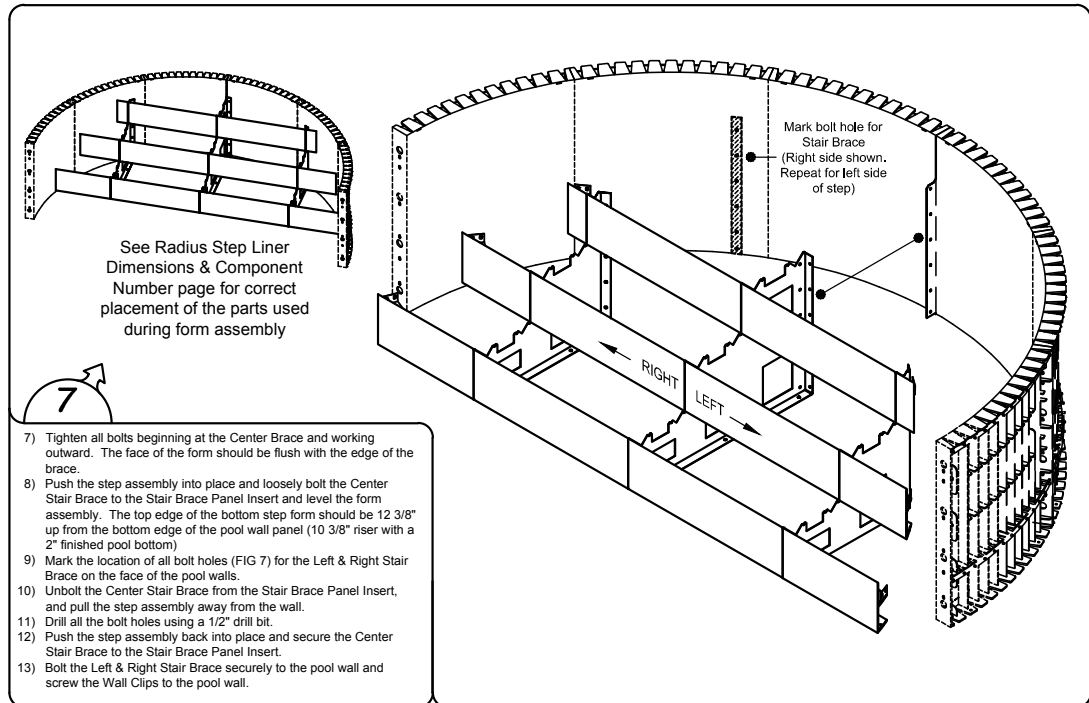
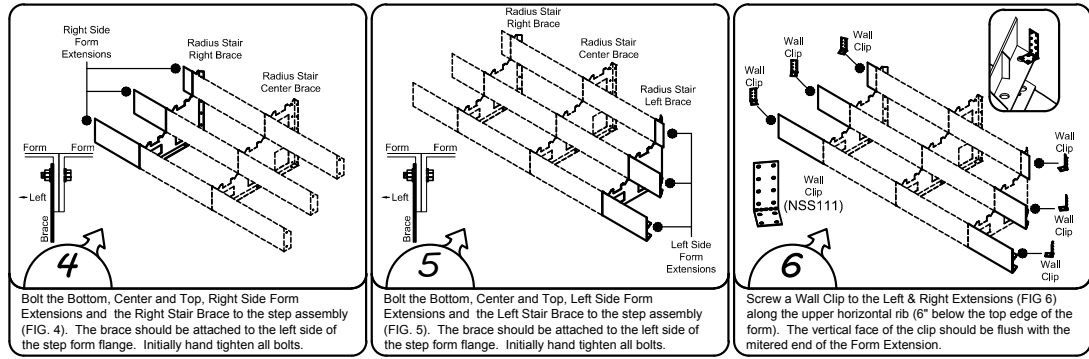
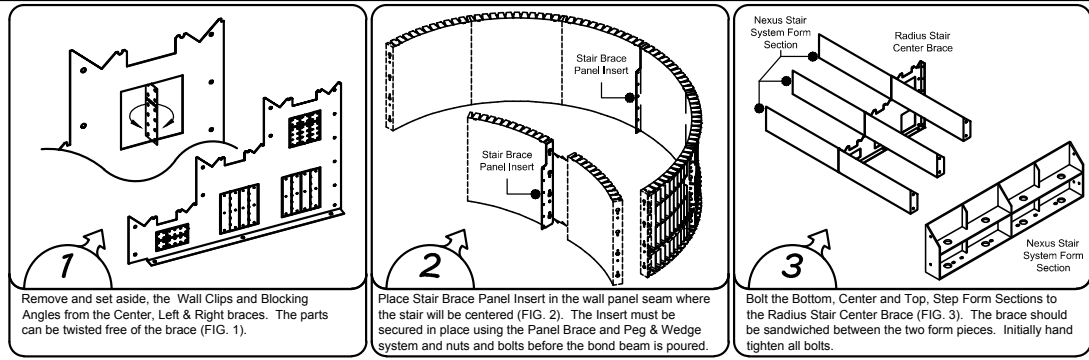
42" Nexus Bottom Cuddle Cove Form Section - NSS100B



Complete Cuddle Cove Form Section



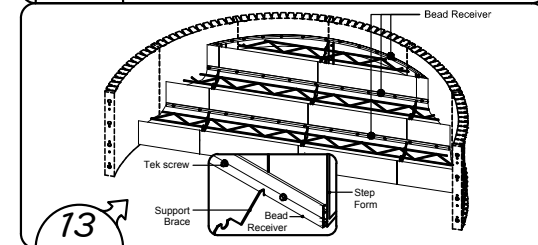
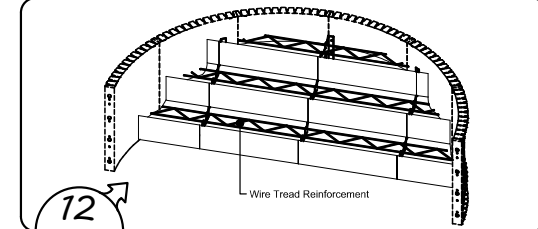
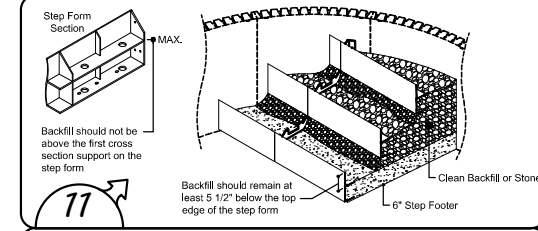
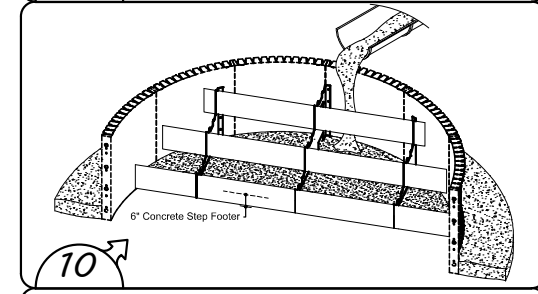
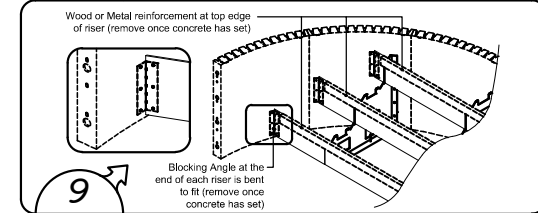
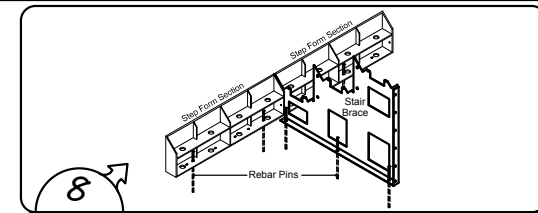
**ASSEMBLY & INSTALLATION
RADIUS NEXUS STEPS**



- 7) Tighten all bolts beginning at the Center Brace and working outward. The face of the form should be flush with the edge of the brace.
- 8) Push the step assembly into place and loosely bolt the Center Stair Brace to the Stair Brace Panel Insert and level the form assembly. The top edge of the bottom step form should be 12 3/8" up from the bottom edge of the pool wall panel (10 3/8" riser with a 2" finished pool bottom)
- 9) Mark the location of all bolt holes (FIG 7) for the Left & Right Stair Brace on the face of the pool walls.
- 10) Unbolt the Center Stair Brace from the Stair Brace Panel Insert, and pull the step assembly away from the wall.
- 11) Drill all the bolt holes using a 1/2" drill bit.
- 12) Push the step assembly back into place and secure the Center Stair Brace to the Stair Brace Panel Insert.
- 13) Bolt the Left & Right Stair Brace securely to the pool wall and screw the Wall Clips to the pool wall.

ASSEMBLY

INSTALLATION



Installation Instructions

After completing Assembly Instructions and Stair/Cuddle Cove Form is secured to the pool wall, check and make sure that everything is **Square and Level**. Make any necessary adjustments.

1. Secure assembly in place with rebar supplied using rebar holes that are located on the bottom riser form sections and also each stair Brace. (FIG. 8)
2. **Additional reinforcement is recommended on the face of the Riser with metal bar or lumber (Materials not supplied.). Add blocking to reinforce the Riser-Wall connection (FIG. 9). Steel Blocking Angles come integrated with the Stair Braces.
3. Pour 2500 P.S.I. concrete footer around all stair braces, minimum 6" deep. Also at this time pour footer around perimeter of pool per manufacturers instructions. (FIG. 10) Let concrete set before starting step #4, 12 to 24 hours is recommended depending on temperature and humidity.
4. Backfill with stone or clean non expansive earth (never clay), free of roots and debris. Backfilling should be thoroughly compacted in layers. Level of backfill should allow for the pouring of a minimum 5 1/2" thick concrete tread. Use first cross section support on form as your guide. (FIG. 11)
5. Place Galvanized Wire Tread Reinforcement sections into grooves that are preset on each brace. (FIG. 12) Wire tie together if needed.
6. Set the aluminum Bead Receiver in the notch on the Support Braces and attach it to the step riser using the supplied Tek screws. (FIG. 13). The Bead Receiver comes in 8' sections and can be cut to size or joined with additional pieces depending on the length needed. The top edge of the Bead Receiver will be at the finished height of the tread and will provide an edge to screed the concrete. Cover the bead channel with duct tape or insert liner lock (not supplied) to prevent concrete from getting into the bead channel while trowelling.
7. Start by pouring bottom tread first and working your way up to the top tread. Float concrete on each tread to get proper elevation. After concrete starts to setup, trowel concrete to get the smooth finish needed on all treads.

Pour treads with 4000lb concrete mix for best finish.

Estimated concrete needed

6'R X 12'W Stair-1.10 yds	10'R X 16'W Stair-1.50 yds
7'R X 13'W Stair-1.20 yds	4'8'R Stair for 16' Roman End - 1.10 yds
8'R X 14'W Stair-1.30 yds	5'3 1/4'R Stair for 18' Roman End - 1.15 yds
9'R X 15'W Stair-1.40 yds	6'R Stair for 20' Roman End - 1.25 yds

When ordering concrete request a (Stiff) True Slump mix that is not watered down.

* After concrete cures, time varies depending on temperature and humidity, optional pool wall foam can be applied to steps/bench providing a cushion and smooth finish for the liner.
* Follow liner manufacturer's instructions for liner installation.

** Different methods such as pouring completely in concrete and any precautions used for installation of this product are the responsibility of the contractor who is not an agent of the manufacturer of the component parts. Installation is to be done in accordance with all state and local building codes as well as ANSI/APSP/ICC suggested standards.

**ASSEMBLY & INSTALLATION
STRAIGHT NEXUS STEPS**

1 Remove and set aside, the Wall Clips and Blocking Angles from the stair braces. The parts can be twisted free of the brace (FIG. 1).

2 Place Stair Brace Panel Insert in the wall panel seam where the stair will be centered (FIG. 2). The insert must be secured in place using the Panel Brace and Peg & Wedge system and nuts and bolts before the bond beam is poured. (Multiple Inserts may be required depending on the length of the step form.)

3 Bolt the Bottom, Center and Top, Step Form Sections to the Stair Brace (FIG. 3). The brace should be sandwiched between the two form pieces. Initially hand tighten all bolts.

4 Depending on the length of the step, bolt any additional Braces and Form Sections to the step assembly (FIG. 4).

5 Once assembled, tighten all bolts making sure the top edge of the forms are even across the full length of each tread (FIG 5), and the face if the riser is flush with the Stair Brace.

6 Push the step assembly into place and loosely bolt the Stair Brace to the Stair Brace Panel Insert and level the form assembly. The top edge of the bottom step form should be 12 3/8" up from the bottom edge of the pool wall panel (10 3/8" riser with a 2" finished pool bottom)

Mark bolt holes for Form Sections (Right side shown. Repeat for left side of step)

7 Secure assembly in place with rebar supplied using rebar holes that are located on the bottom riser form sections and also each stair Brace. (FIG. 7)

8 Wood or Metal reinforcement at top edge of riser (remove once concrete has set). Blocking Angle at the end of each riser is bent to fit (remove once concrete has set). (Wall Clips will be required on steps with 2' radius corners)

9 6" Concrete Slep Footer

10 Backfill should not be above the first cross section support on the step form. Backfill should remain at least 5 1/2" below the top edge of the step form. Clean Backfill or Stone. 6" Step Footer.

11 Pour treads with 4000lb concrete mix for best finish. Estimated concrete needed:
6' Stair-1.80 yds 14' Stair - 4.20 yds
8' Stair-2.40 yds 16' Stair - 4.80 yds
10' Stair-3.00 yds 18' Stair - 5.40 yds
12' Stair-3.60 yds 20' Stair - 6.00 yds
When ordering concrete request a (Stiff) True Slump mix that is not watered down.

12 Wire Tread Reinforcement

ASSEMBLY

INSTALLATION

Installation Instructions
After completing Assembly Instructions and Stair/Cuddle Cove Form is secured to the pool wall, check and make sure that everything is **Square and Level**. Make any necessary adjustments.

- Secure assembly in place with rebar supplied using rebar holes that are located on the bottom riser form sections and also each stair Brace. (FIG. 7)
- **Additional reinforcement is recommended on the face of the Riser with metal bar or lumber (Materials not supplied.). Add blocking to reinforce the Riser-Wall connection (FIG. 8). Steel Blocking Angles come integrated with the Stair Braces. Installation of Wall Clips may be required on steps with 2' radius corners.
- Pour 2500 P.S.I. concrete footer around all stair braces, minimum 6" deep. Also at this time pour footer around perimeter of pool per manufacturers instructions. (FIG. 9) Let concrete set before starting step #4, 12 to 24 hours is recommended depending on temperature and humidity.
- Backfill with stone or clean non expansive earth (never clay), free of roots and debris. Backfilling should be thoroughly compacted in layers. Level of backfill should allow for the pouring of a minimum 5 1/2" thick concrete tread. Use first cross section support on form as your guide. (FIG. 10)
- Set the aluminum Bead Receiver in the notch on the Support Braces and attach it to the step riser using the supplied Tek screws. (FIG. 11). The Bead Receiver comes in 8' sections and can be cut to size or joined with additional pieces depending on the length needed. The top edge of the Bead Receiver will be at the finished height of the tread and will provide an edge to screed the concrete. Cover the bead channel with duct tape or insert liner lock (not supplied) to prevent concrete from getting into the bead channel while troweling.
- Place Galvanized Wire Tread Reinforcement sections into grooves that are preset on each brace. (FIG. 12) Wire tie together if needed.
- Start by pouring bottom tread first and working your way up to the top tread. Float concrete on each tread to get proper elevation. After concrete starts to setup, trowel concrete to get the smooth finish needed on all treads.

Pour treads with 4000lb concrete mix for best finish.

Estimated concrete needed

6' Stair-1.80 yds	14' Stair - 4.20 yds
8' Stair-2.40 yds	16' Stair - 4.80 yds
10' Stair-3.00 yds	18' Stair - 5.40 yds
12' Stair-3.60 yds	20' Stair - 6.00 yds

When ordering concrete request a (Stiff) True Slump mix that is not watered down.

* After concrete cures, time varies depending on temperature and humidity, optional pool wall foam can be applied to steps/bench providing a cushion and smooth finish for the liner.
* Follow liner manufacturer's instructions for liner installation.

** Different methods such as pouring completely in concrete and any precautions used for installation of this product are the responsibility of the contractor who is not an agent of the manufacturer of the component parts. Installation is to be done in accordance with all state and local building codes as well as ANSI/APSP/ICC suggested standards.

**ASSEMBLY & INSTALLATION
INSIDE CORNER NEXUS STEPS**

1 Remove and set aside, the Wall Clips and Blocking Angles from the stair braces. The parts can be twisted free of the brace (FIG. 1).

2 Bolt the Right Side Bottom, Center and Top, Step Form Sections to the Right Stair Brace and Center Form Sections (FIG. 2). The brace should be sandwiched between the two form pieces. Initially hand tighten all bolts.

3 Bolt the Left Side Bottom, Center and Top, Step Form Sections and the Left Stair Brace to the step assembly (FIG. 3). The brace should be sandwiched between the two form pieces. Initially hand tighten all bolts.

4 Once assembled, tighten all bolts making sure the top edge of the forms are even across the full length of each tread (FIG 4), and the face of the riser is flush with the Stair Brace.

5 Screw a Wall Clip to the Left & Right Extensions (FIG 5) along the upper horizontal rib (6" below the top edge of the form). The vertical face of the clip should be flush with the mitered end of the Form Extension.

6 Push the step assembly into place and level the form assembly. The treads should be at the depths shown (measured down from the top of the wall panel).

Mark bolt holes for Stair Braces. (Right side shown. Repeat for left side of step)

*** 90 Degree Corner Stair is shown. The process is unchanged for the 2' Radius Inside Corner Stair ***

2' Radius Inside Corner Stair

90 Degree Corner Stair

2" Finished Bottom

6) Push the step assembly into place and level the form assembly. The treads should be at the depths shown (measured down from the top of the wall panel).

7) Mark the location of all bolt holes (FIG 6) for the left & right Stair Braces on the face of the pool walls.

8) Pull the step assembly away from the wall.

9) Drill all the bolt holes using a 1/2" drill bit.

10) Push the step assembly back into place and secure the bolt the Stair Braces securely to the pool wall.

ASSEMBLY

INSTALLATION

7 Wood or Metal reinforcement at top edge of riser (remove once concrete has set)

8 Blocking Angle at the end of each riser is bent to fit (remove once concrete has set)

9 6" Concrete Step Footer

10 Backfill should not be above the first cross section support on the step form. Backfill should remain at least 5 1/2" below the top edge of the step form. Clean Backfill or Stone

11 Bead Receiver

12 Wire Tread Reinforcement

Installation Instructions

After completing Assembly Instructions and Stair/Cuddle Cove Form is secured to the pool wall, check and make sure that everything is **Square and Level**. Make any necessary adjustments.

- Secure assembly in place with rebar supplied using rebar holes that are located on the bottom riser form sections and also each stair Brace. (FIG. 7)
- **Additional reinforcement is recommended on the face of the Riser with metal bar or lumber (Materials not supplied.). Add blocking to reinforce the Riser-Wall connection (FIG. 8). Steel Blocking Angles come integrated with the Stair Braces. Screw the Wall Clips to the wall.
- Pour 2500 P.S.I. concrete footer around all stair braces, minimum 6" deep. Also at this time pour footer around perimeter of pool per manufacturers instructions. (FIG. 9) Let concrete set before starting step #4, 12 to 24 hours is recommended depending on temperature and humidity.
- Backfill with stone or clean non expansive earth (never clay), free of roots and debris. Backfilling should be thoroughly compacted in layers. Level of backfill should allow for the pouring of a minimum 5 1/2" thick concrete tread. Use first cross section support on form as your guide. (FIG. 10)
- Set the aluminum Bead Receiver in the notch on the Support Braces and attach it to the step riser using the supplied Tek screws. (FIG. 11). The Bead Receiver comes in 8' sections and can be cut to size or joined with additional pieces depending on the length needed. The top edge of the Bead Receiver will be at the finished height of the tread and will provide an edge to screed the concrete. Cover the bead channel with duct tape or insert liner lock (not supplied) to prevent concrete from getting into the bead channel while trowelling.
- Place Galvanized Wire Tread Reinforcement sections into grooves that are preset on each brace. (FIG. 12) Wire tie together if needed.
- Start by pouring bottom tread first and working your way up to the top tread. Float concrete on each tread to get proper elevation. After concrete starts to setup, trowel concrete to get the smooth finish needed on all treads.

Pour treads with 4000lb concrete mix for best finish.

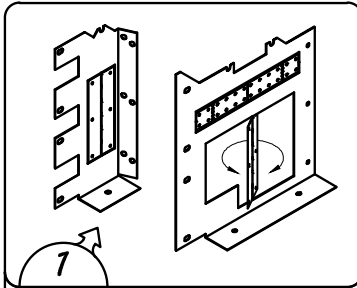
Estimated concrete needed
90 Degree Corner Stair -- 1.40 yds
2' Radius Corner Stair -- 1.25 yds

When ordering concrete request a (Stiff) True Slump mix that is not watered down.

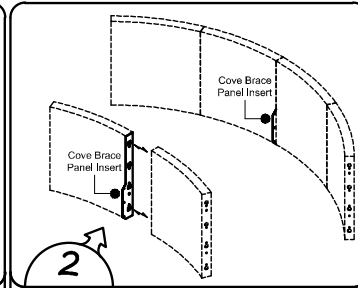
* After concrete cures, time varies depending on temperature and humidity, optional pool wall foam can be applied to steps/bench providing a cushion and smooth finish for the liner.
* Follow liner manufacturer's instructions for liner installation.

** Different methods such as pouring completely in concrete and any precautions used for installation of this product are the responsibility of the contractor who is not an agent of the manufacturer of the component parts. Installation is to be done in accordance with all state and local building codes as well as ANSI/APSP/ICC suggested standards.

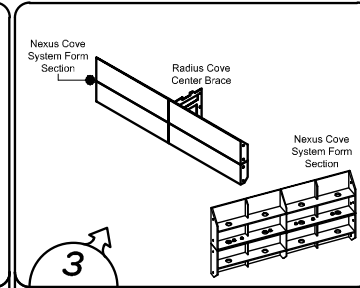
**ASSEMBLY & INSTALLATION
NEXUS COVES**



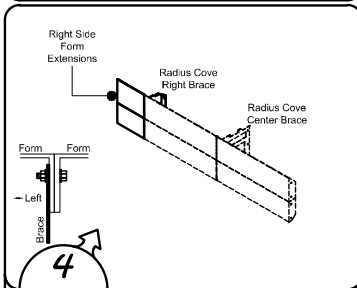
7 Remove and set aside, the Wall Clips and Blocking Angles from the Center, Left & Right braces. The parts can be twisted free of the brace (FIG. 1).



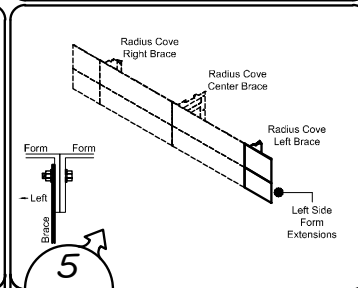
2 Place Cove Brace Panel Insert in the wall panel seam where the cove will be centered (FIG. 2). The Insert must be secured in place using the Panel Brace and Peg & Wedge system and nuts and bolts before the bond beam is poured.



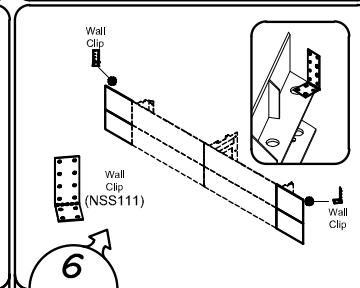
3 Bolt the Cove Form Sections to the Radius Cove Center Brace (FIG. 3). The brace should be sandwiched between the two form pieces. Initially hand tighten all bolts.



4 Bolt the Right Side Form Extensions and the Right Cove Brace to the assembly (FIG. 4). The brace should be attached to the left side of the step form flange. Initially hand tighten all bolts.



5 Bolt the Left Side Form Extensions and the Left Cove Brace to the assembly (FIG. 4). The brace should be attached to the left side of the step form flange. Initially hand tighten all bolts.



6 Screw a Wall Clip to the Left & Right Extensions (FIG 6) along the upper horizontal rib (6" below the top edge of the form). The vertical face of the clip should be flush with the mitered end of the Form Extension.

See Radius Cove Liner Dimensions & Component Number page for correct placement of the parts used during form assembly

7 Tighten all bolts beginning at the Center Brace and working outward. The face of the form should be flush with the edge of the brace.

8 Push the cove assembly into place and loosely bolt the Center Cove Brace to the Cove Brace Panel Insert and level the form assembly. The top edge of the cove form should be 20" down from the top edge of the pool wall panel.

9 Mark the location of all bolt holes (FIG 7) for the Left & Right Cove Brace on the face of the pool walls.

10 Unbolt the Center Cove Brace from the Cove Brace Panel Insert, and pull the step assembly away from the wall.

11 Drill all the bolt holes using a 1/2" drill bit.

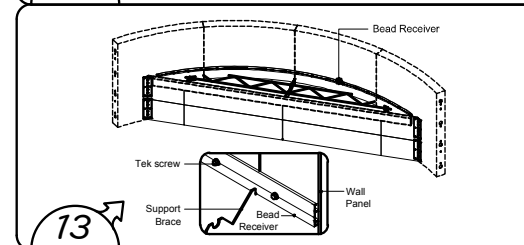
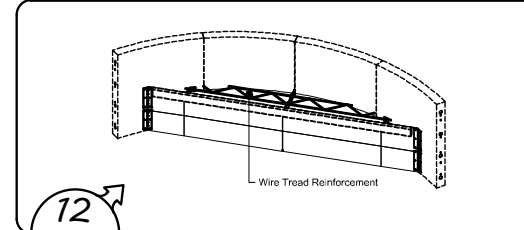
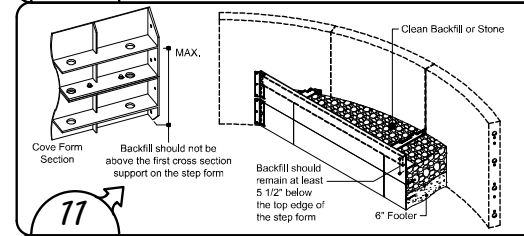
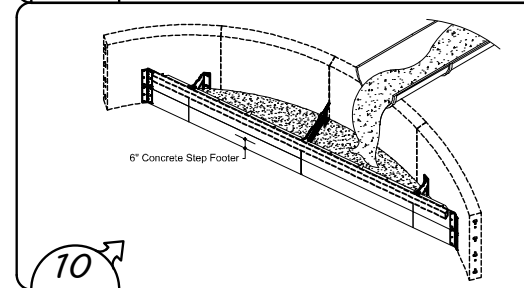
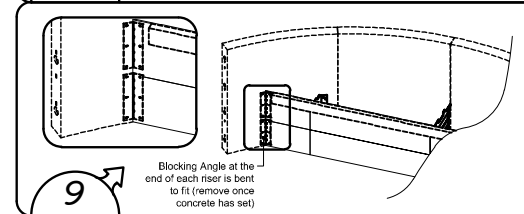
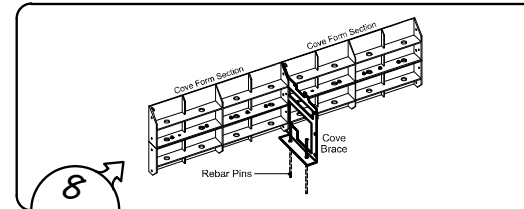
12 Push the cove assembly back into place and secure the Center Cove Brace to the Cove Brace Panel Insert.

13 Bolt the Left & Right Cove Brace securely to the pool wall and screw the Wall Clips to the pool wall.

Mark bolt hole for Cove Brace (Right side shown. Repeat for left side of step)

ASSEMBLY

INSTALLATION



Installation Instructions

After completing Assembly Instructions and Stair/Cuddle Cove Form is secured to the pool wall, check and make sure that everything is **Square and Level**. Make any necessary adjustments.

- Secure assembly in place with rebar supplied using rebar holes that are located on each Cove Brace. (FIG. 8)
- **Additional reinforcement is recommended on the face of the Riser with metal bar or lumber (Materials not supplied.). Add blocking to reinforce the Riser-Wall connection (FIG. 9). Steel Blocking Angles come integrated with the Stair Braces.
- Pour 2500 P.S.I. concrete footer around all braces, minimum 6" deep. Also at this time pour footer around perimeter of pool per manufacturers instructions. (FIG. 10) Let concrete set before starting step #4. 12 to 24 hours is recommended depending on temperature and humidity.
- Backfill with stone or clean non expansive earth (never clay), free of roots and debris. Backfilling should be thoroughly compacted in layers. Level of backfill should allow for the pouring of a minimum 5 1/2" thick concrete tread. Use first cross section support on form as your guide. (FIG. 11)
- Place Galvanized Wire Tread Reinforcement sections into grooves that are preset on each brace. (FIG. 12) Wire tie together if needed.
- Set the aluminum Bead Receiver in the notch on the Support Braces and attach it to the wall panel using the supplied Tek screws. (FIG. 13). The Bead Receiver comes in 8' sections and can be cut to size or joined with additional pieces depending on the length needed. The top edge of the Bead Receiver will be at the finished height of the seat and will provide an edge to screed the concrete. Cover the bead channel with duct tape or insert liner lock (not supplied) to prevent concrete from getting into the bead channel while troweling.
- Float concrete to get proper elevation. After concrete starts to setup, trowel concrete to get the smooth finish needed on cove seat.

Pour treads with 4000lb concrete mix for best finish. Estimated concrete needed

6' Radius Cove - .30 yds	9' Radius Cove - .45 yds
7' Radius Cove - .35 yds	10' Radius Cove - .55 yds
8' Radius Cove - .40 yds	

When ordering concrete request a (Stiff) True Slump mix that is not watered down.

* After concrete cures, time varies depending on temperature and humidity, optional pool wall foam can be applied to steps/bench providing a cushion and smooth finish for the liner.
* Follow liner manufacturer's instructions for liner installation.

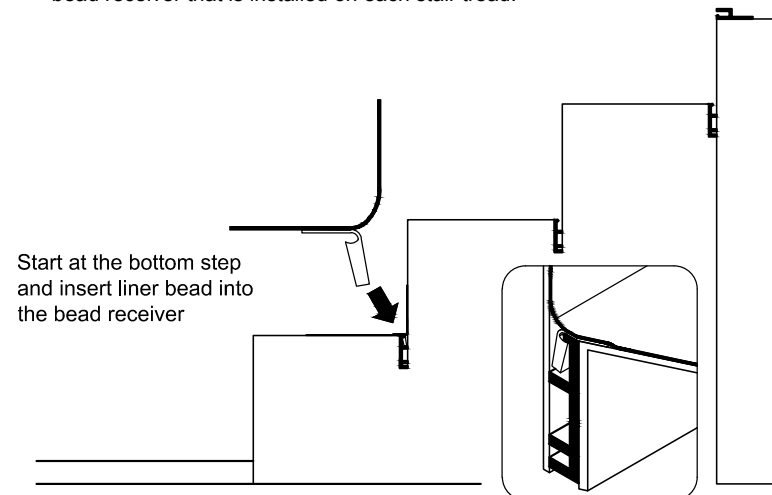
** Different methods such as pouring completely in concrete and any precautions used for installation of this product are the responsibility of the contractor who is not an agent of the manufacturer of the component parts. Installation is to be done in accordance with all state and local building codes as well as ANSI/APSP/ICC suggested standards.

Liner Installation Procedures

Vinyl Covered Stairs with Liner Bead on Treads

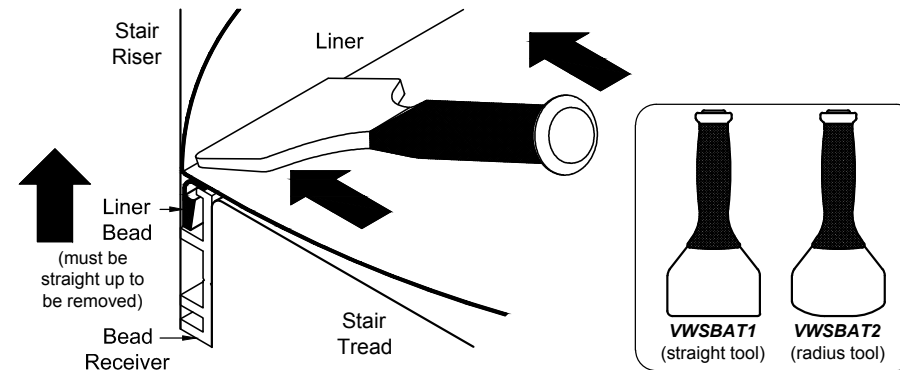
(Will only work if Bead Receiver has been installed with the stair treads during assembly)

- Liner should only be installed when temperatures are 60 °F or above.
- Make sure the pool structure and stairs are **CLEAN** and free of any sharp materials that could puncture the liner.
- Position the liner squarely in the pool. (Follow installation guidelines in the owner's manual for details)
- If you are entering the pool when positioning the liner, **NEVER** wear work boots or any other footwear while on the liner. This type of damage is **NOT** covered under the limited warranty.
- Upon reaching the shallow end with the liner, start at the bottom step and work your way up. Position the liner squarely in the stair and insert the liner bead into the bead receiver that is installed on each stair tread.



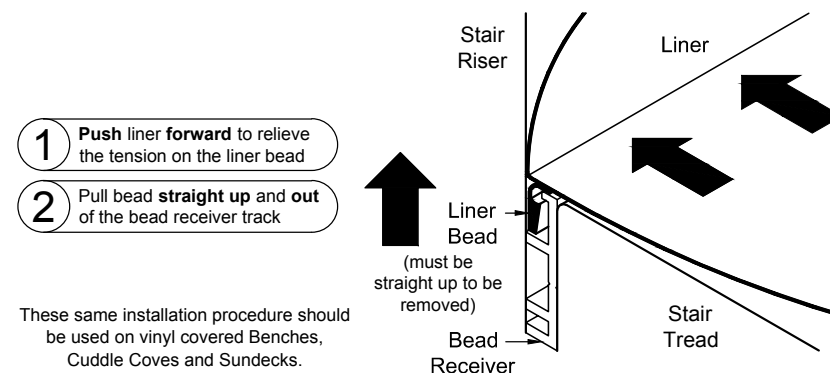
Important Note: If it becomes necessary to remove the liner bead from the bead receiver so the liner can be reset, follow these **guidelines to prevent damaging the liner.**

PUSH THE LINER MATERIAL FORWARD on the tread using a **Vinyl Works Liner Stair Bead Assistance Tool** (Item - **VWSBAT1** for Straight Stairs and **VWSBAT2** for Radius Stairs). This will relieve the tension on the liner bead allowing the liner material to pull **STRAIGHT UP** and **OUT** from the bead receiver. **NEVER try to just pull the liner bead from the bead receiver without relieving the tension first.** Over pulling could damage the liner. (See guidelines on the drawing below.)



Installation Note
The Bead Assistance Tool can also be used to help insert liner stair tread bead into the bead receiver.

If Bead Removal Assistance Tool is not available, you can use your hands to push the liner material forward to relieve the tension. **NEVER** use tools that could damage the liner, such as screwdrivers, scrapers or putty knives. (See drawing for details.)



These same installation procedure should be used on vinyl covered Benches, Cuddle Coves and Sundecks.

(Continue liner installation as detailed in Owner's Manual, Section V)



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