



**Imperial**  
**POOLS INC.**  
REDEFINING ONE SOURCE

# UNIVERSAL POLYMER 48" SPEC BOOK



## 48" 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.

## WARNINGS TO INSTALLER



# 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 Lougainis 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.

**Association of Pool and Spa Professionals  
211 Eisenhower Avenue  
Alexandria, Virginia 22314**

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

## WARNINGS TO POOL OWNER

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 Lougainis 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**

### Swimming & Diving Safety

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.

# HEADFIRST ENTRY - DIVING & SLIDING

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.

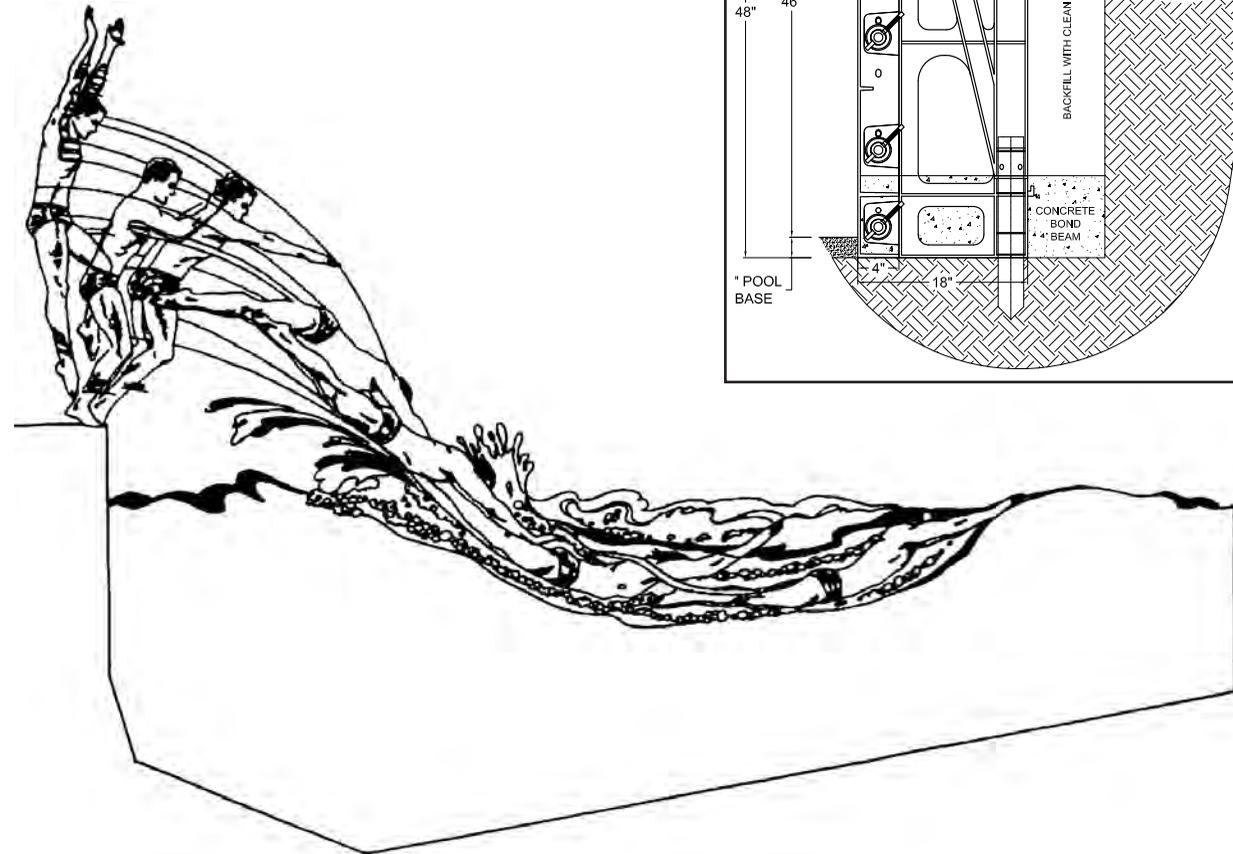
## Safe Diving Tips

**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.

**Steer Up:** 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.

**Head and Hands Up:** 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!

**Control Your Dive:** 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.



**Rectangle - 2' Radius**

|                              |    |
|------------------------------|----|
| 12' x 24'                    | 1  |
| 14' x 28'                    | 2  |
| 16' x 32'                    | 3  |
| 16' x 36'                    | 4  |
| 18' x 36'                    | 5  |
| 20' x 40'                    | 6  |
| 16' x 38' x 24' 90° EL Left  | 7  |
| 16' x 38' x 24' 90° EL Right | 8  |
| 18' x 38' x 26' 90° EL Left  | 9  |
| 18' x 38' x 26' 90° EL Right | 10 |
| 20' x 44' x 30' 90° EL Left  | 11 |
| 20' x 44' x 30' 90° EL Right | 12 |
| 16' x 42' Lazy EL Left       | 13 |
| 16' x 42' Lazy EL Right      | 14 |
| 18' x 43' Lazy EL Left       | 15 |
| 18' x 43' Lazy EL Right      | 16 |
| 20' x 48' Lazy EL Left       | 17 |
| 20' x 48' Lazy EL Right      | 18 |

**Rectangle - 4' Radius**

|                              |    |
|------------------------------|----|
| 16' x 32'                    | 19 |
| 16' x 36'                    | 20 |
| 18' x 36'                    | 21 |
| 20' x 40'                    | 22 |
| 16' x 42' x 26' 90° EL Left  | 23 |
| 16' x 42' x 26' 90° EL Right | 24 |
| 18' x 42' x 28' 90° EL Left  | 25 |
| 18' x 42' x 28' 90° EL Right | 26 |
| 20' x 44' x 30' 90° EL Left  | 27 |
| 20' x 44' x 30' 90° EL Right | 28 |
| 16' x 42' Lazy EL Left       | 29 |
| 16' x 42' Lazy EL Right      | 30 |
| 18' x 44' Lazy EL Left       | 31 |
| 18' x 44' Lazy EL Right      | 32 |
| 20' x 47' Lazy EL Left       | 33 |
| 20' x 47' Lazy EL Right      | 34 |

**Grecian**

|                               |    |
|-------------------------------|----|
| 16' 6" x 32' 6"               | 35 |
| 16' 6" x 36' 6"               | 36 |
| 18' 6" x 36' 6"               | 37 |
| 19' x 37'                     | 38 |
| 19' x 41'                     | 39 |
| 16' 6" x 42' 6" Lazy EL Left  | 40 |
| 16' 6" x 42' 6" Lazy EL Right | 41 |
| 19' x 46' Lazy EL Left        | 42 |
| 19' x 46' Lazy EL Right       | 43 |

**Oval**

|           |    |
|-----------|----|
| 16' x 33' | 44 |
| 18' x 36' | 45 |
| 20' x 41' | 46 |

**Roman End**

|                         |    |
|-------------------------|----|
| 16' x 37'               | 47 |
| 18' x 38'               | 48 |
| 20' x 42'               | 49 |
| 16' x 42' Lazy EL Left  | 50 |
| 16' x 42' Lazy EL Right | 51 |
| 18' x 45' Lazy EL Left  | 52 |
| 18' x 45' Lazy EL Right | 53 |
| 20' x 49' Lazy EL Left  | 54 |
| 20' x 49' Lazy EL Right | 55 |

**Keyhole - 2' Radius**

|                         |    |
|-------------------------|----|
| 16' x 32' Standard View | 56 |
| 16' x 32' Reverse View  | 57 |
| 18' x 36' Standard View | 58 |
| 18' x 36' Reverse View  | 59 |
| 20' x 40' Standard View | 60 |
| 20' x 40' Reverse View  | 61 |

**Keyhole - Full Radius**

|                         |    |
|-------------------------|----|
| 16' x 32' Standard View | 62 |
| 16' x 32' Reverse View  | 63 |
| 18' x 36' Standard View | 64 |
| 18' x 36' Reverse View  | 65 |
| 20' x 40' Standard View | 66 |
| 20' x 40' Reverse View  | 67 |

**Kidney**

|                 |         |
|-----------------|---------|
| 14' x 28' Left  | 68      |
| 14' x 28' Right | 69      |
| 16' x 32' Left  | 70      |
| 16' x 32' Right | 71      |
| 20' x 38' Left  | 72 - 73 |
| 20' x 38' Right | 74 - 75 |

**Mountain Lake**

|                         |         |
|-------------------------|---------|
| 20' x 33' Standard View | 76 - 77 |
| 20' x 33' Reverse View  | 78 - 79 |
| 21' x 35' Standard View | 80 - 81 |
| 21' x 35' Reverse View  | 82 - 83 |
| 26' x 39' Standard View | 84 - 85 |
| 26' x 39' Reverse View  | 86 - 87 |

**Lagoon**

|                       |         |
|-----------------------|---------|
| 16' x 34' x 25' Left  | 88 - 89 |
| 16' x 34' x 25' Right | 90 - 91 |
| 18' x 38' x 29' Left  | 92 - 93 |
| 18' x 38' x 29' Right | 94 - 95 |
| 20' x 42' x 30' Left  | 96 - 97 |
| 20' x 42' x 30' Right | 98 - 99 |

**Figure 8**

|           |           |
|-----------|-----------|
| 16' x 37' | 100 - 101 |
| 20' x 40' | 102 - 103 |

**Appendix**

|                               |          |
|-------------------------------|----------|
| Skimmer Panel Cutouts         | A1       |
| Skimmer Cutout Procedure      | A2       |
| Key-Loc, Vee Filler & Grecian | A3       |
| Corner Sleeve                 |          |
| Nexus Connection System       | A4       |
| Panel Template & Bolted Step  | A5       |
| Connection                    |          |
| Versa-Wall Panel & Straps     | A6       |
| Coping Layouts                | A7 - A15 |
| Panel Dig Cross Section       | A15      |

















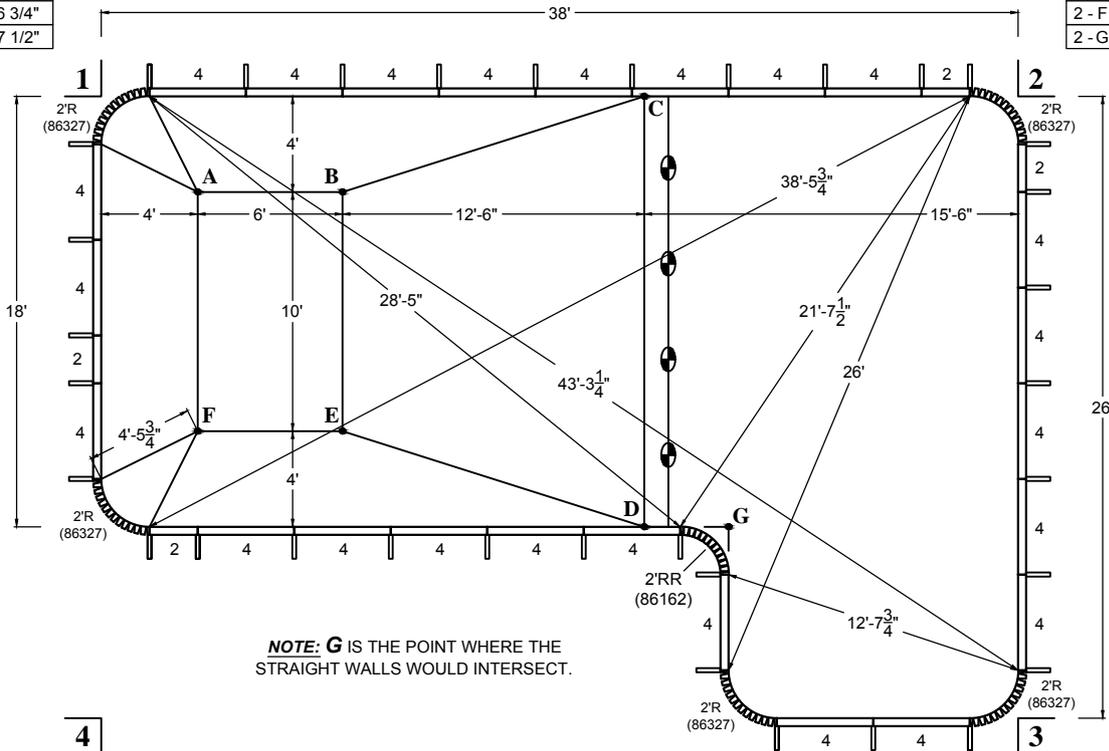
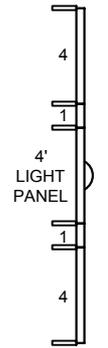
## 2' RADIUS 90° EL LEFT 18' x 38' x 26'

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 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 | 15'-6"     |
| 2 - D | 23'-9"     |
| 2 - E | 31'-3 3/4" |
| 2 - F | 36'-9 1/4" |
| 2 - G | 21'-7 1/2" |

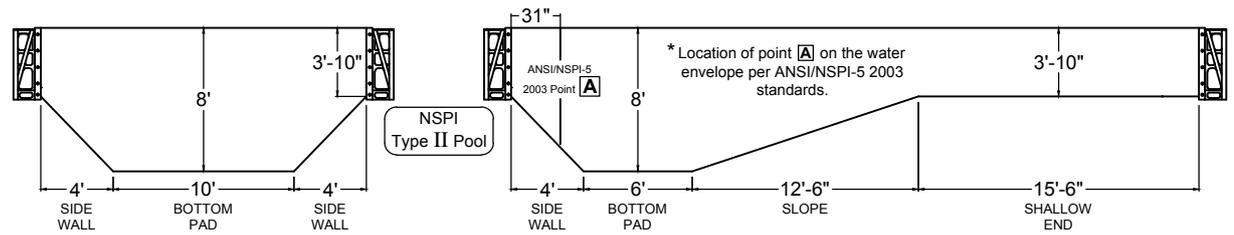
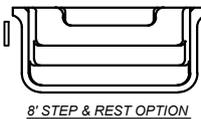
LIGHT PANEL  
OPTION



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

|       |             |
|-------|-------------|
| 4 - A | 22'-4 1/4"  |
| 4 - B | 24'-2"      |
| 4 - C | 34'-4 1/2"  |
| 4 - D | 23'-10 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 | 30'-3 1/4" |
| 3 - D | 17'-5 1/4" |
| 3 - E | 30'-5 1/2" |
| 3 - F | 36'-0 3/4" |
| 3 - G | 14'-5"     |



**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| STRAIGHT STEP | NO STEP | POOL SURFACE AREA             |                     | LINER SQ. FT.          |  |
|---------------|---------|-------------------------------|---------------------|------------------------|--|
|               |         | 776.6 ft <sup>2</sup>         | 72.1 m <sup>2</sup> | 780.00 ft <sup>2</sup> |  |
|               |         | POOL VOLUME                   |                     | POOL PERIMETER         |  |
|               |         | 25500 gal                     |                     | 123'                   |  |
|               |         | 96500 L                       |                     | 37.49 m                |  |
| 4             | 4       | 2' PLAIN PANEL                |                     | 48102                  |  |
| 20            | 22      | 4' PLAIN PANEL                |                     | 48106                  |  |
| 2             | 2       | 4' SKIMMER PANEL              |                     | 48106S                 |  |
| 6             | 6       | VERSA-FLEX PANEL              |                     | 48115                  |  |
| 5             | 5       | 2' RADIUS STRAP SET           |                     | 86327S                 |  |
| 1             | 1       | 2' REVERSE RADIUS STRAP SET   |                     | 86162S                 |  |
| 156           | 156     | PUSH NUTS                     |                     | 09115                  |  |
| 33            | 34      | BRACE SYSTEM COMPLETE         |                     | 48146                  |  |
| 1             |         | 8' STEP & REST                |                     | 07418SNR48             |  |
| 14*           |         | 3/8"-16X HEX WASHER HEAD BOLT |                     | 148838                 |  |
| 14*           |         | 3/8"-16 HEX WASHER HEAD NUT   |                     | 149664                 |  |
|               |         | CHANNEL-LOC SONOTUBE          |                     | 86152                  |  |
|               |         | 4' STANDARD LIGHT PANEL       |                     | 48106L                 |  |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

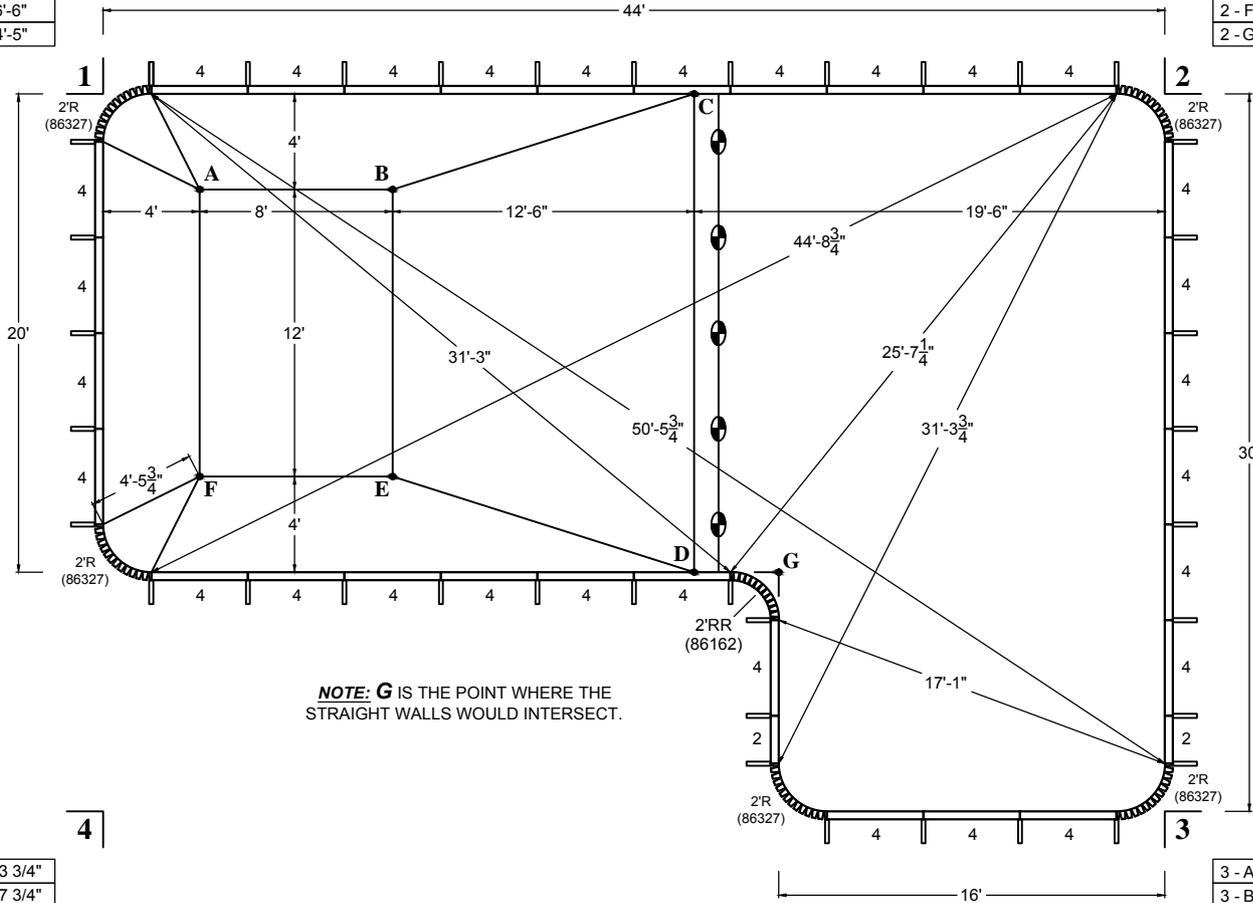
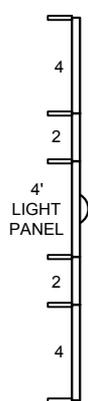


|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 12'-7 3/4" |
| 1 - C | 24'-6"     |
| 1 - D | 31'-7 1/2" |
| 1 - E | 20'        |
| 1 - F | 16'-6"     |
| 1 - G | 34'-5"     |

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

|       |             |
|-------|-------------|
| 2 - A | 40'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 27'-11 1/4" |
| 2 - E | 35'-9 1/4"  |
| 2 - F | 43'-1"      |
| 2 - G | 25'-7 1/4"  |

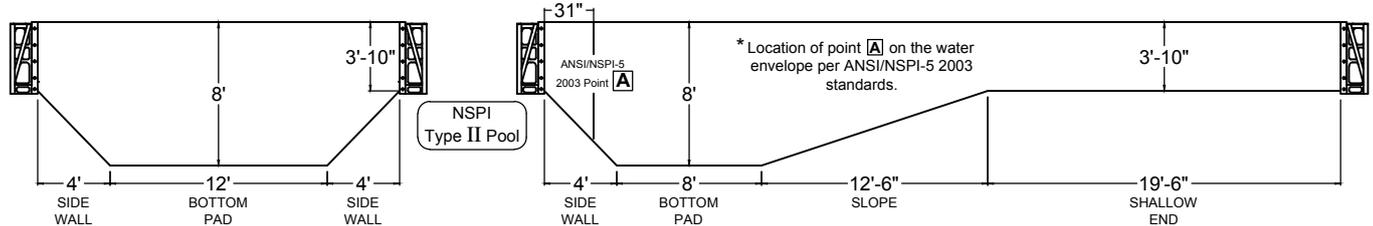
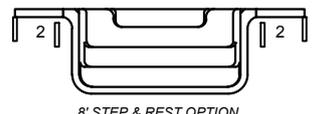
LIGHT PANEL OPTION



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 | 38'-8 3/4" |
| 4 - D | 26'-5 1/2" |
| 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 | 35'-9 1/4"  |
| 3 - D | 21'-11"     |
| 3 - E | 34'-11 1/4" |
| 3 - F | 42'-4 1/2"  |
| 3 - G | 18'-10 1/2" |



# Polymer

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

|                   |   |                |                           |
|-------------------|---|----------------|---------------------------|
| POOL SURFACE AREA | → 1036.6 ft <sup>2</sup><br>96.3 m <sup>2</sup> | LINER SQ. FT.  | → 1040.00 ft <sup>2</sup> |
| POOL VOLUME       | → 33800 gal<br>127900 L                         | POOL PERIMETER | → 143'<br>43.59 m         |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' STRAIGHT STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|------------------|---------|-------------------------------|------------|
| 4                | 2       | 2' PLAIN PANEL                | 48102      |
| 25               | 28      | 4' PLAIN PANEL                | 48106      |
| 2                | 2       | 4' SKIMMER PANEL              | 48106S     |
| 6                | 6       | VERSA-FLEX PANEL              | 48115      |
| 5                | 5       | 2' RADIUS STRAP SET           | 86327S     |
| 1                | 1       | 2' REVERSE RADIUS STRAP SET   | 86162S     |
| 156              | 156     | PUSH NUTS                     | 09115      |
| 38               | 38      | BRACE SYSTEM COMPLETE         | 48146      |
| 1                |         | 8' STEP & REST                | 07418SNR48 |
| 14*              |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  |         | CHANNEL-LOC SONOTUBE          | 86152      |
|                  |         | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

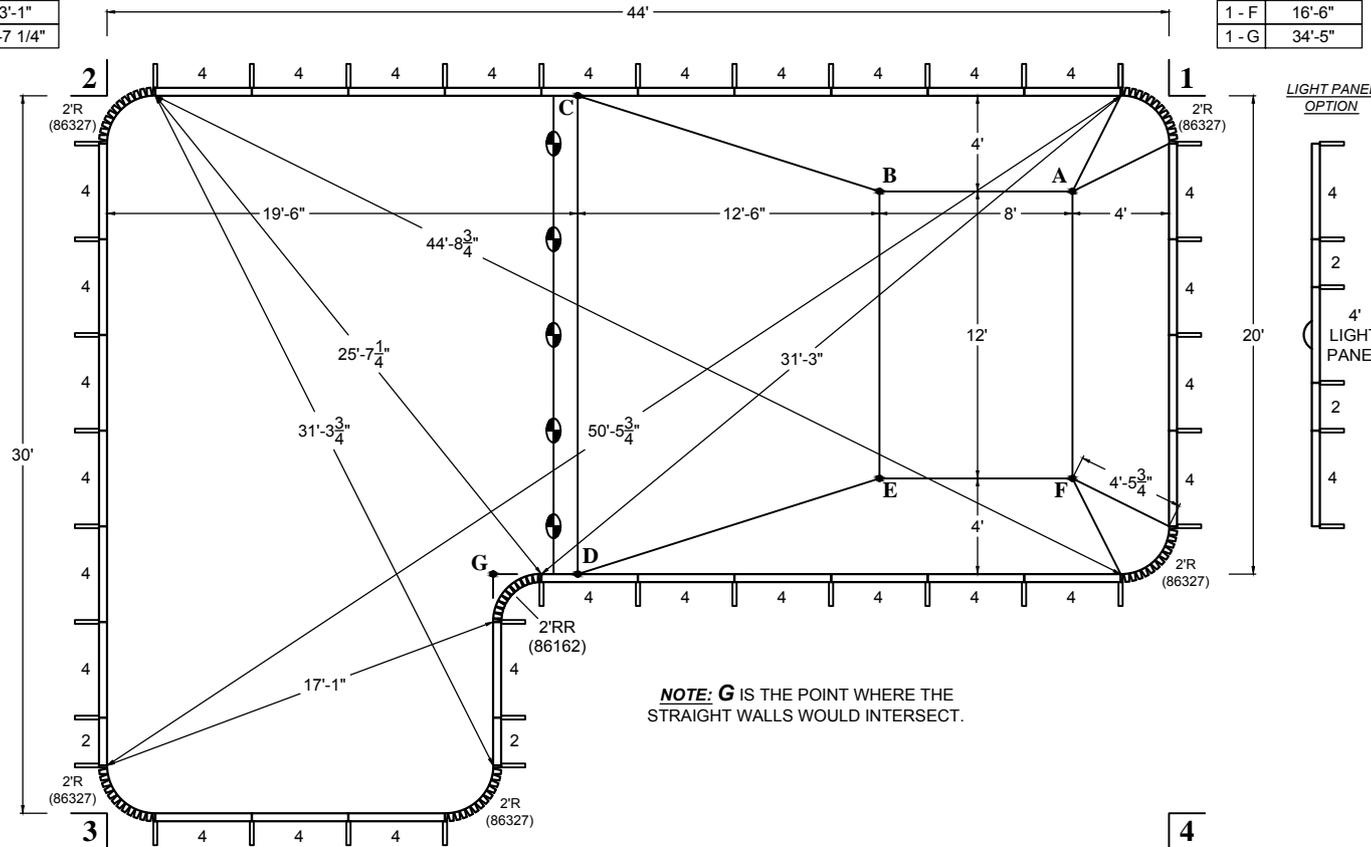
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

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

|       |             |
|-------|-------------|
| 2 - A | 40'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 27'-11 1/4" |
| 2 - E | 35'-9 1/4"  |
| 2 - F | 43'-1"      |
| 2 - G | 25'-7 1/4"  |

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

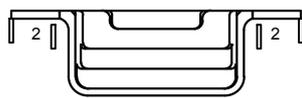
|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 12'-7 3/4" |
| 1 - C | 24'-6"     |
| 1 - D | 31'-7 1/2" |
| 1 - E | 20'        |
| 1 - F | 16'-6"     |
| 1 - G | 34'-5"     |



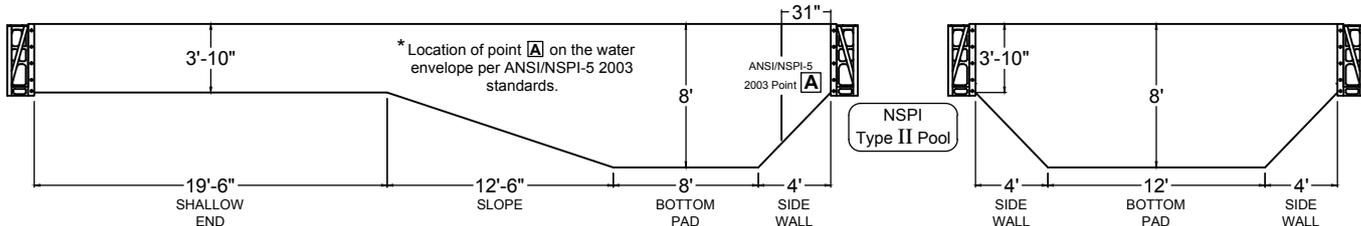
**NOTE: G IS THE POINT WHERE THE STRAIGHT WALLS WOULD INTERSECT.**

|       |             |
|-------|-------------|
| 3 - A | 47'-8 1/2"  |
| 3 - B | 41'-2 3/4"  |
| 3 - C | 35'-9 1/4"  |
| 3 - D | 21'-11"     |
| 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 | 38'-8 3/4" |
| 4 - D | 26'-5 1/2" |
| 4 - E | 18'-5 1/4" |
| 4 - F | 14'-6 3/4" |
| 4 - G | 29'-8 3/4" |



8' STEP & REST OPTION



\* Location of point **A** on the water envelope per ANSI/NSPI-5 2003 standards.

|                    |   |                 |                           |
|--------------------|---|-----------------|---------------------------|
| PPOOL SURFACE AREA | → 1036.6 ft <sup>2</sup><br>96.3 m <sup>2</sup> | LINER SQ. FT.   | → 1040.00 ft <sup>2</sup> |
| PPOOL VOLUME       | → 33800 gal<br>127900 L                         | PPOOL PERIMETER | → 143'<br>43.59 m         |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' STRAIGHT STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|------------------|---------|-------------------------------|------------|
| 4                | 2       | 2' PLAIN PANEL                | 48102      |
| 25               | 28      | 4' PLAIN PANEL                | 48106      |
| 2                | 2       | 4' SKIMMER PANEL              | 48106S     |
| 6                | 6       | VERSA-FLEX PANEL              | 48115      |
| 5                | 5       | 2' RADIUS STRAP SET           | 86327S     |
| 1                | 1       | 2' REVERSE RADIUS STRAP SET   | 86162S     |
| 156              | 156     | PUSH NUTS                     | 09115      |
| 38               | 38      | BRACE SYSTEM COMPLETE         | 48146      |
| 1                |         | 8' STEP & REST                | 07418SNR48 |
| 14*              |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  |         | CHANNEL-LOC SONOTUBE          | 86152      |
|                  |         | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|                    |  |                 |                          |
|--------------------|--|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 635.1 ft <sup>2</sup><br>59.0 m <sup>2</sup> | LINER SQ. FT.   | → 746.00 ft <sup>2</sup> |
| PPOOL VOLUME       | → 21100 gal<br>79900 L                         | PPOOL PERIMETER | → 108'<br>32.92 m        |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

8' STRAIGHT STEP  
NO STEP

| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 1' PLAIN PANEL                | 48101      |
| 2' PLAIN PANEL                | 48102      |
| 3' PLAIN PANEL                | 48108      |
| 4' PLAIN PANEL                | 48106      |
| 4' SKIMMER PANEL              | 48106S     |
| VERSA-FLEX PANEL              | 48115      |
| 8' RADIUS STRAP SET           | 86200S     |
| 2' RADIUS STRAP SET           | 86327S     |
| 4' REVERSE RADIUS STRAP SET   | 86163S     |
| PUSH NUTS                     |            |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8' STEP & REST                | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4' STANDARD LIGHT PANEL       | 48106L     |

\* - use bolts at step connection

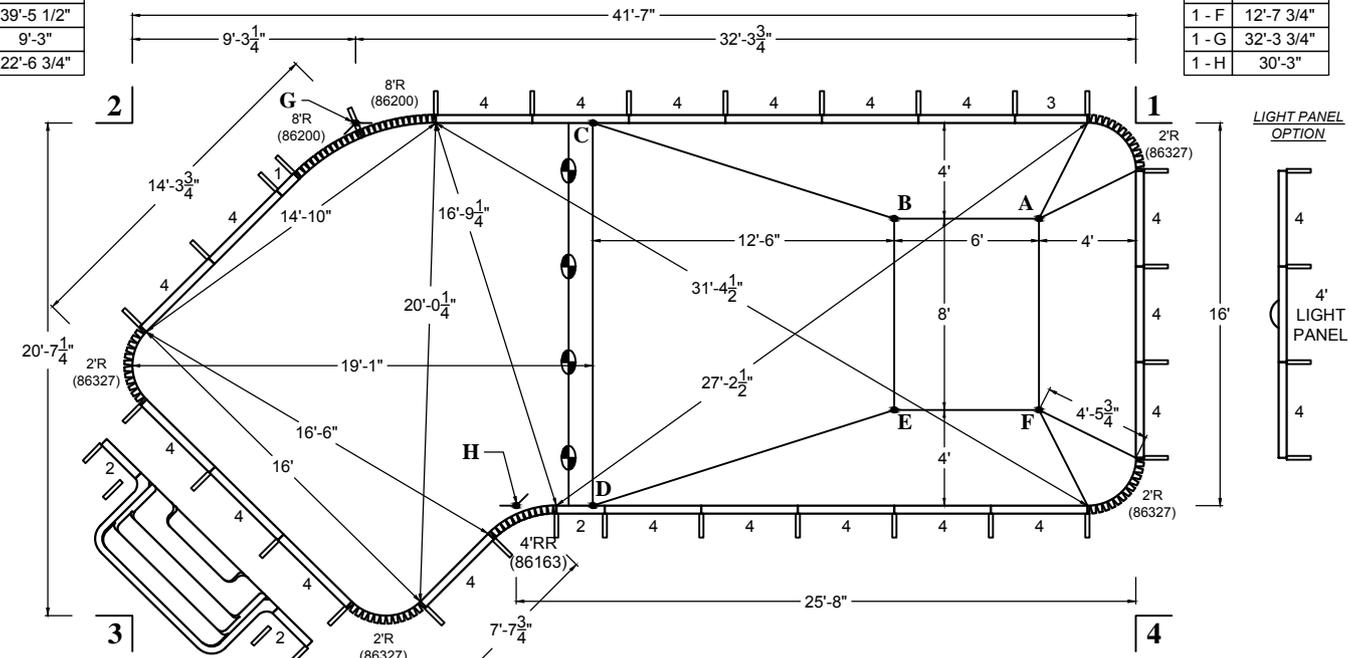
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 37'-9 1/2"  |
| 2 - B | 31'-10"     |
| 2 - C | 19'-1"      |
| 2 - D | 24'-10 3/4" |
| 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 |            |

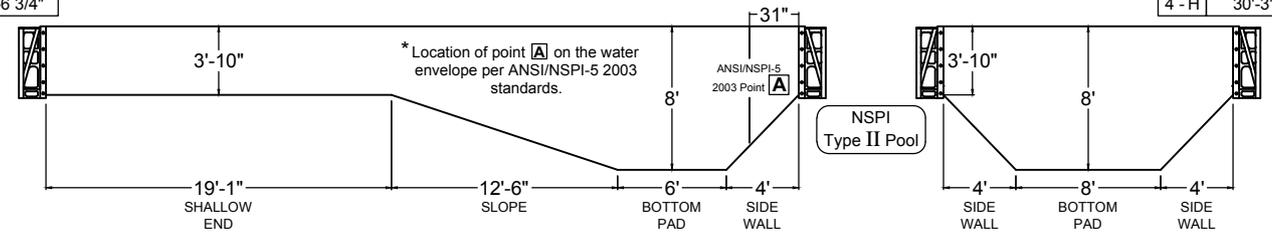
|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 27'-7 1/4" |
| 1 - E | 15'-7 1/2" |
| 1 - F | 12'-7 3/4" |
| 1 - G | 32'-3 3/4" |
| 1 - H | 30'-3"     |



|       |            |
|-------|------------|
| 3 - A | 41'-1"     |
| 3 - B | 35'-8"     |
| 3 - C | 28'-1"     |
| 3 - D | 19'-7 1/2" |
| 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 | 30'-6"      |
| 4 - D | 22'-11 1/2" |
| 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.



NSPI Type II Pool

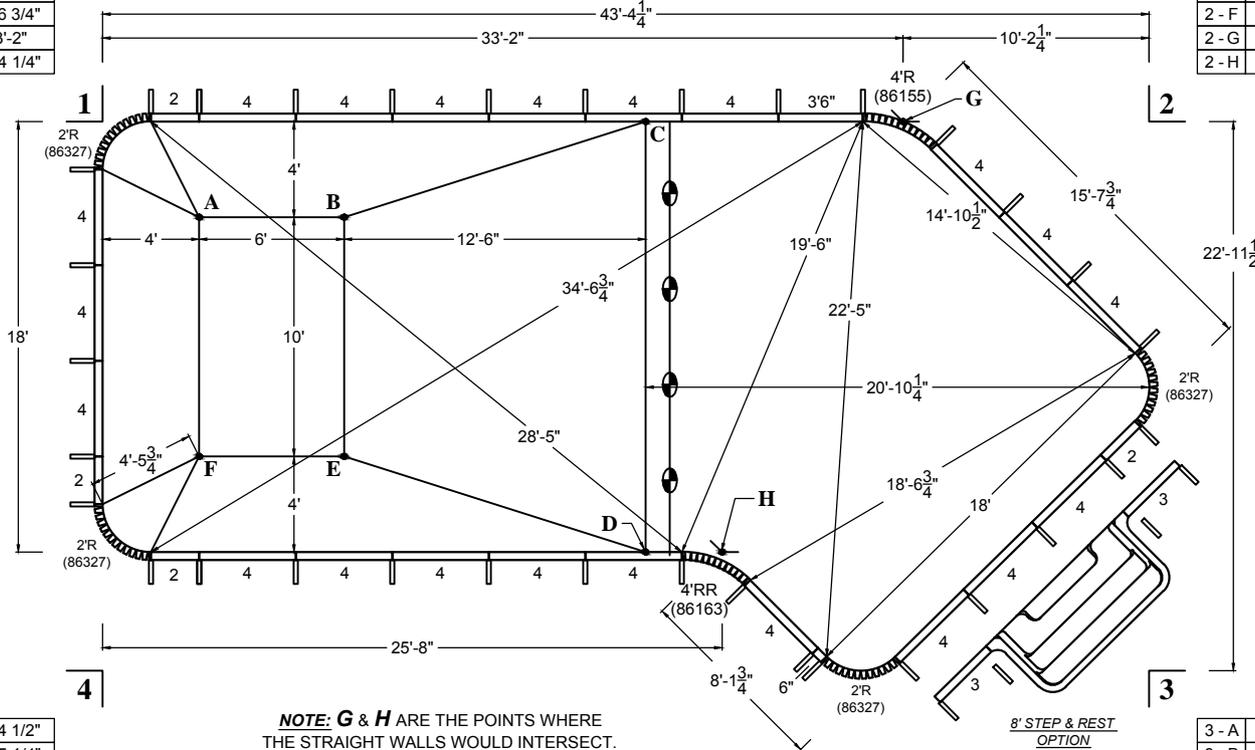
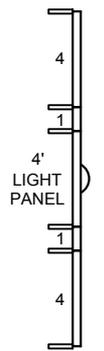
## 2' RADIUS LAZY EL LEFT 18' x 43'

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 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 | 20'-10 1/4" |
| 2 - D | 27'-6 1/2"  |
| 2 - E | 36'-2"      |
| 2 - F | 41'-9 1/4"  |
| 2 - G | 10'-2 1/4"  |
| 2 - H | 25'-3"      |

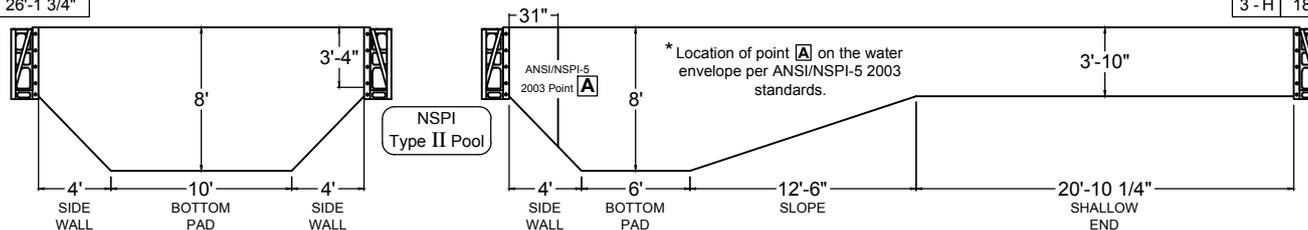
LIGHT PANEL  
OPTION



**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 | 32'-1 3/4" |
| 4 - D | 23'-0 1/2" |
| 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 | 31'-0 1/4" |
| 3 - D | 21'-5 1/4" |
| 3 - E | 34'-6 1/2" |
| 3 - F | 40'-4 1/4" |
| 3 - G | 25'-1 1/2" |
| 3 - H | 18'-4 1/2" |



\* - 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

|                                 |                     |  |                  |                          |
|---------------------------------|---------------------|--|------------------|--------------------------|
| ↓ 8' STRAIGHT STEP<br>↓ NO STEP | POOL SURFACE AREA → | 740.3 ft <sup>2</sup><br>68.8 m <sup>2</sup> | LINER SQ. FT. →  | 878.6250 ft <sup>2</sup> |
|                                 | POOL VOLUME →       | 24600 gal<br>93100 L                         | POOL PERIMETER → | 114'-10"<br>35.00 m      |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 6" PLAIN PANEL                | 48100      |
| 1' PLAIN PANEL                | 48101      |
| 2' PLAIN PANEL                | 48102      |
| 3' PLAIN PANEL                | 48108      |
| 3'6" PLAIN PANEL              | 48105      |
| 4' PLAIN PANEL                | 48106      |
| 4' SKIMMER PANEL              | 48106S     |
| VERSA-FLEX PANEL              | 48115      |
| 8' RADIUS STRAP SET           | 86200S     |
| 2' RADIUS STRAP SET           | 86327S     |
| 4' REVERSE RADIUS STRAP SET   | 86163S     |
| PUSH NUTS                     | 09115      |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8' STEP & REST                | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4' STANDARD LIGHT PANEL       | 48106L     |

## 2' RADIUS LAZY EL RIGHT 18' x 43'

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 740.3 ft <sup>2</sup><br>68.8 m <sup>2</sup> | LINER SQ. FT.  | → 878.6250 ft <sup>2</sup> |
| POOL VOLUME       | → 24600 gal<br>93100 L                         | POOL PERIMETER | → 114'-10"<br>35.00 m      |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' STRAIGHT STEP | ITEM DESCRIPTION              | PART #     |
|------------------|-------------------------------|------------|
| 1                | 6" PLAIN PANEL                | 48100      |
|                  | 1' PLAIN PANEL                | 48101      |
| 3                | 2' PLAIN PANEL                | 48102      |
| 2                | 3' PLAIN PANEL                | 48108      |
| 1                | 3'6" PLAIN PANEL              | 48105      |
| 16               | 4' PLAIN PANEL                | 48106      |
| 2                | 4' SKIMMER PANEL              | 48106S     |
| 6                | VERSA-FLEX PANEL              | 48115      |
| 1                | 8' RADIUS STRAP SET           | 86200S     |
| 4                | 2' RADIUS STRAP SET           | 86327S     |
| 1                | 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 156              | PUSH NUTS                     | 09115      |
| 32               | BRACE SYSTEM COMPLETE         | 48146      |
| 1                | 8' STEP & REST                | 07418SNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  | CHANNEL-LOC SONOTUBE          | 86152      |
|                  | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - use bolts at step connection

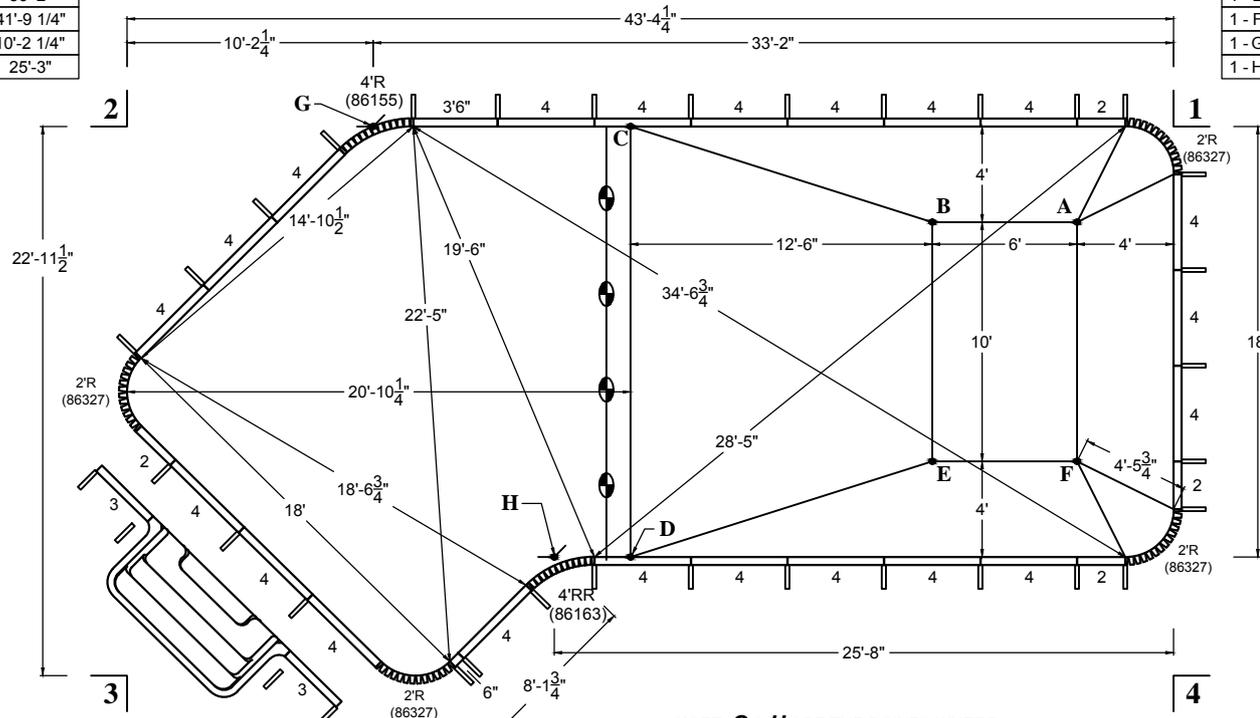
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

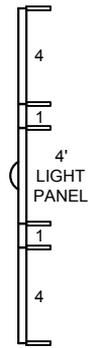
|       |             |
|-------|-------------|
| 2 - A | 39'-6 3/4"  |
| 2 - B | 33'-7 1/4"  |
| 2 - C | 20'-10 1/4" |
| 2 - D | 27'-6 1/2"  |
| 2 - E | 36'-2"      |
| 2 - F | 41'-9 1/4"  |
| 2 - G | 10'-2 1/4"  |
| 2 - H | 25'-3"      |

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

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 1 - E | 17'-2 1/2" |
| 1 - F | 14'-6 3/4" |
| 1 - G | 33'-2"     |
| 1 - H | 31'-4 1/4" |



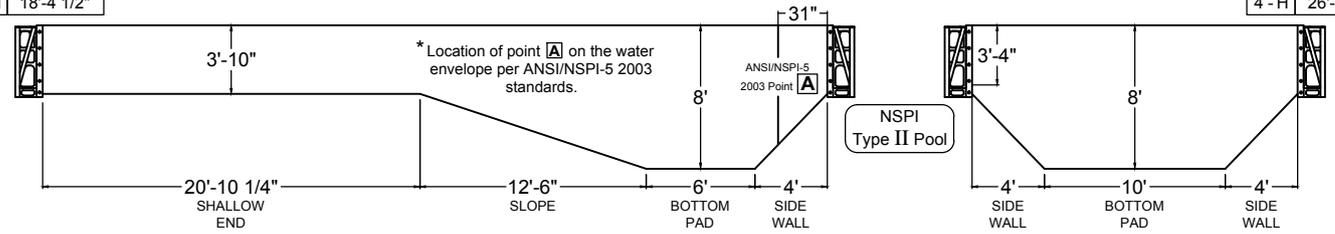
LIGHT PANEL OPTION



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 | 31'-0 1/4" |
| 3 - D | 21'-5 1/4" |
| 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 | 32'-1 3/4" |
| 4 - D | 23'-0 1/2" |
| 4 - E | 13'-5"     |
| 4 - F | 9'-9 3/4"  |
| 4 - G | 40'-4"     |
| 4 - H | 26'-1 3/4" |



NSPI Type II Pool

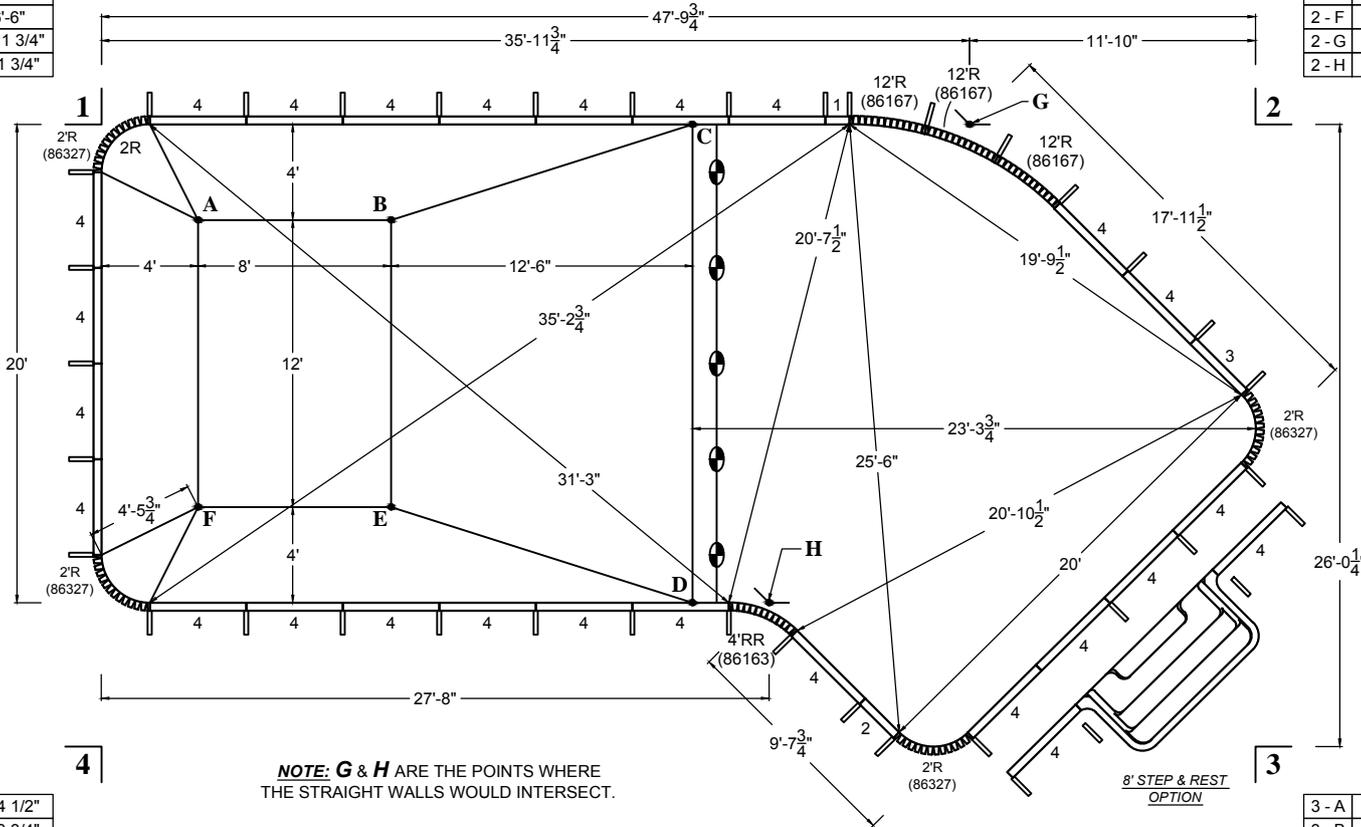
## 2' RADIUS LAZY EL LEFT 20' x 48'

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 12'-7 3/4"  |
| 1 - C | 24'-6"      |
| 1 - D | 31'-7 1/2"  |
| 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 | 23'-3 3/4" |
| 2 - D | 30'-8 3/4" |
| 2 - E | 39'-2 3/4" |
| 2 - F | 46'-7 3/4" |
| 2 - G | 11'-10"    |
| 2 - H | 28'-4 3/4" |

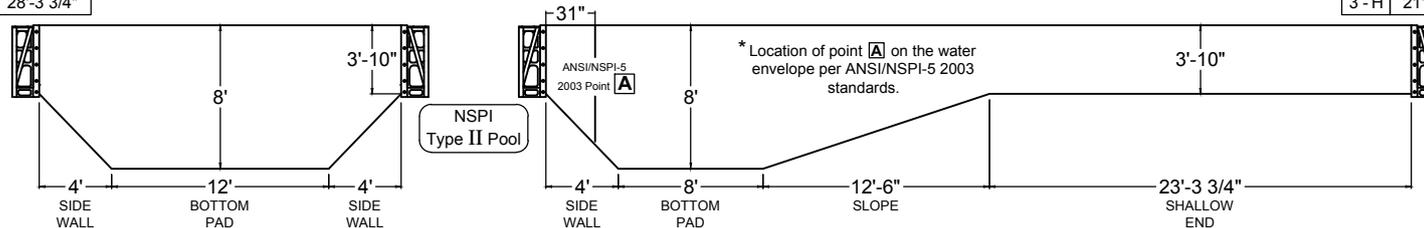
LIGHT PANEL  
OPTION



**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 | 35'-8 3/4" |
| 4 - D | 25'-2 3/4" |
| 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 | 34'-11 1/4" |
| 3 - D | 24'-1"      |
| 3 - E | 37'-2 1/4"  |
| 3 - F | 44'-11 1/2" |
| 3 - G | 28'-7"      |
| 3 - H | 21'-0 1/2"  |



|                             |                    |  |                 |                         |
|-----------------------------|--------------------|--|-----------------|-------------------------|
| 8' STRAIGHT STEP<br>NO STEP | PPOOL SURFACE AREA | 906.4 ft <sup>2</sup><br>84.2 m <sup>2</sup> | LINER SQ. FT.   | 1078.75 ft <sup>2</sup> |
|                             | PPOOL VOLUME       | 30600 gal<br>115800 L                        | PPOOL PERIMETER | 127'-2"<br>38.76 m      |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                               |
|------------------|--------------------------------------|
| 1 1              | 1' PLAIN PANEL 48101                 |
| 1 1              | 2' PLAIN PANEL 48102                 |
| 1 1              | 3' PLAIN PANEL 48108                 |
| 20 22            | 4' PLAIN PANEL 48106                 |
| 2 2              | 4' SKIMMER PANEL 48106S              |
| 8 8              | VERSA-FLEX PANEL 48115               |
| 3 3              | 12' RADIUS STRAP SET 86167S          |
| 4 4              | 2' RADIUS STRAP SET 86327S           |
| 1 1              | 4' REVERSE RADIUS STRAP SET 86163S   |
| 208 208          | PUSH NUTS 09115                      |
| 34 35            | BRACE SYSTEM COMPLETE 48146          |
| 1                | 8' STEP & REST 07418SNR48            |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838 |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664   |
|                  | CHANNEL-LOC SONOTUBE 86152           |
|                  | 4' STANDARD LIGHT PANEL 48106L       |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.







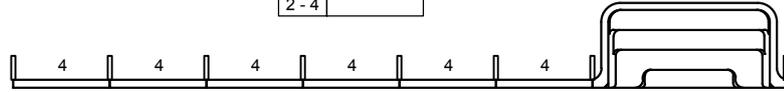


## 4' RADIUS RECTANGLE 20' x 40'

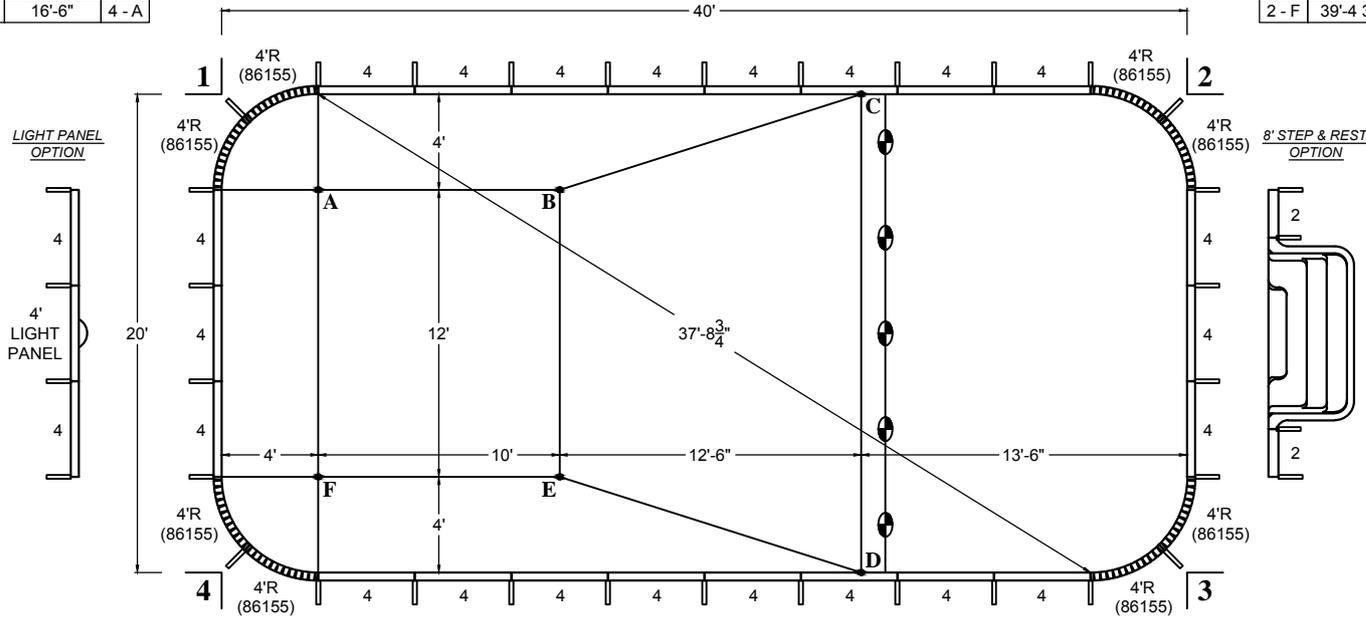
|       |            |       |
|-------|------------|-------|
| 1 - A | 5'-8"      | 4 - F |
| 1 - B | 14'-6 3/4" | 4 - E |
| 1 - C | 26'-6"     | 4 - D |
| 1 - D | 33'-2 1/2" | 4 - C |
| 1 - E | 21'-3"     | 4 - B |
| 1 - F | 16'-6"     | 4 - A |

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

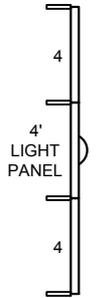
8' STEP & REST - SIDE STEP OPTION



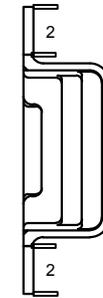
|       |            |       |
|-------|------------|-------|
| 2 - A | 36'-2 3/4" | 3 - F |
| 2 - B | 26'-3 3/4" | 3 - E |
| 2 - C | 13'-6"     | 3 - D |
| 2 - D | 24'-1 1/2" | 3 - C |
| 2 - E | 30'-6 1/4" | 3 - B |
| 2 - F | 39'-4 3/4" | 3 - A |



LIGHT PANEL OPTION



8' STEP & REST OPTION

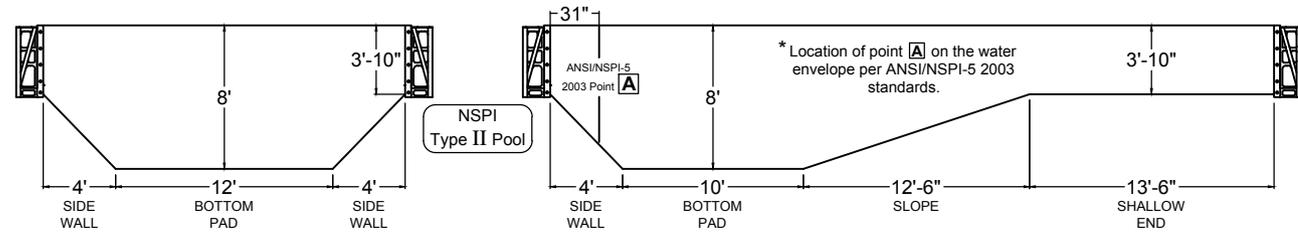


|                   |  |                |                        |
|-------------------|--|----------------|------------------------|
| POOL SURFACE AREA | 786.3 ft <sup>2</sup><br>73.0 m <sup>2</sup> | LINER SQ. FT.  | 800.00 ft <sup>2</sup> |
| POOL VOLUME       | 28500 gal<br>107800 L                        | POOL PERIMETER | 113'-2"<br>34.49 m     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION              | PART #   |
|-------------------------------|----------|
| 2' PLAIN PANEL                | 48102    |
| 4' PLAIN PANEL                | 48106    |
| 4' SKIMMER PANEL              | 48106S   |
| VERSA-FLEX PANEL              | 48115    |
| 4' RADIUS STRAP SET           | 86155S   |
| PUSH NUTS                     | 09115    |
| BRACE SYSTEM COMPLETE         | 48146    |
| 8' STEP & REST                | 07418SNR |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838   |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664   |
| CHANNEL-LOC SONOTUBE          | 86152    |
| 4' STANDARD LIGHT PANEL       | 48106L   |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

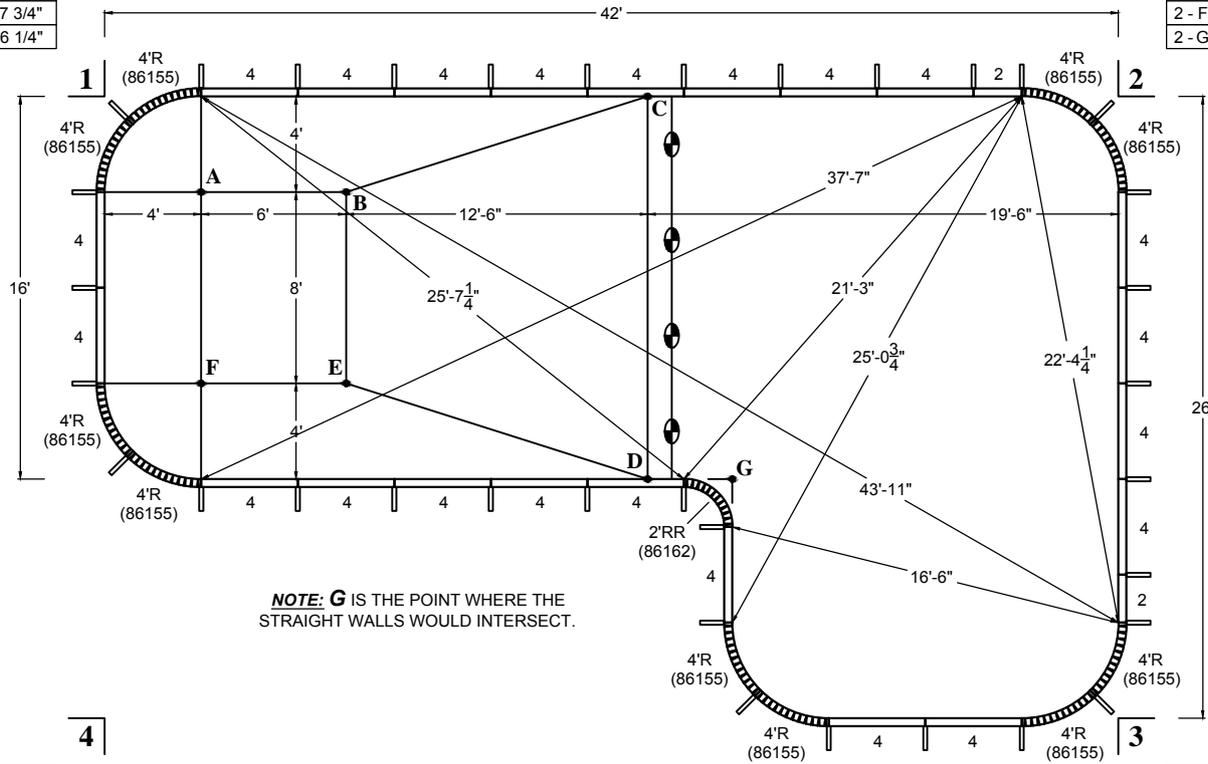
4' RADIUS 90° EL LEFT  
16' x 42' x 26'

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 27'-7 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 |            |

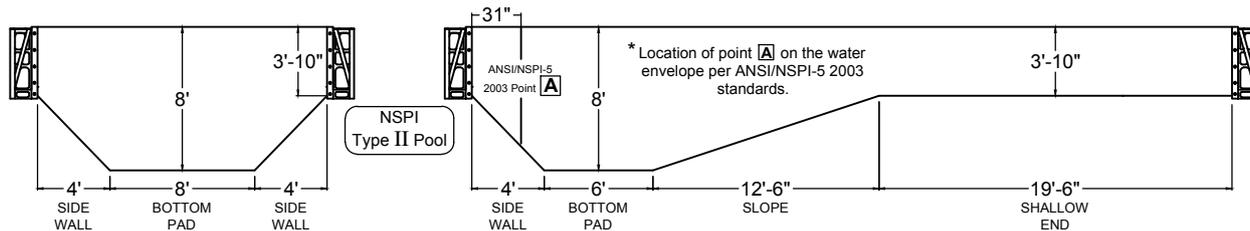
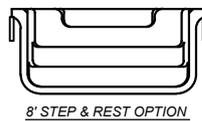
|       |             |
|-------|-------------|
| 2 - A | 38'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 25'-2 3/4"  |
| 2 - E | 34'-2"      |
| 2 - F | 39'-10 1/4" |
| 2 - G | 22'-7 1/2"  |

LIGHT PANEL OPTION



|       |             |
|-------|-------------|
| 4 - A | 22'-4 1/4"  |
| 4 - B | 24'-2"      |
| 4 - C | 34'-4 1/2"  |
| 4 - D | 24'-7 1/2"  |
| 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 | 32'-6"      |
| 3 - D | 21'-11"     |
| 3 - E | 34'-11 1/4" |
| 3 - F | 40'-6"      |
| 3 - G | 18'-10 1/2" |



|                   |  |                |                        |
|-------------------|--|----------------|------------------------|
| POOL SURFACE AREA | 815.7 ft <sup>2</sup><br>75.8 m <sup>2</sup> | LINER SQ. FT.  | 832.00 ft <sup>2</sup> |
| POOL VOLUME       | 25500 gal<br>96500 L                         | POOL PERIMETER | 126'-7"<br>38.58 m     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' STRAIGHT STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|------------------|---------|-------------------------------|------------|
| 2                | 2       | 2' PLAIN PANEL                | 48102      |
| 18               | 20      | 4' PLAIN PANEL                | 48106      |
| 2                | 2       | 4' SKIMMER PANEL              | 48106S     |
| 11               | 11      | VERSA-FLEX PANEL              | 48115      |
| 1                | 1       | 2' REVERSE RADIUS STRAP SET   | 86162S     |
| 10               | 10      | 4' RADIUS STRAP SET           | 86155S     |
| 286              | 286     | PUSH NUTS                     | 09115      |
| 34               | 35      | BRACE SYSTEM COMPLETE         | 48146      |
| 1                |         | 8' STEP & REST                | 07418SNR48 |
| 14*              |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  |         | CHANNEL-LOC SONOTUBE          | 86152      |
|                  |         | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

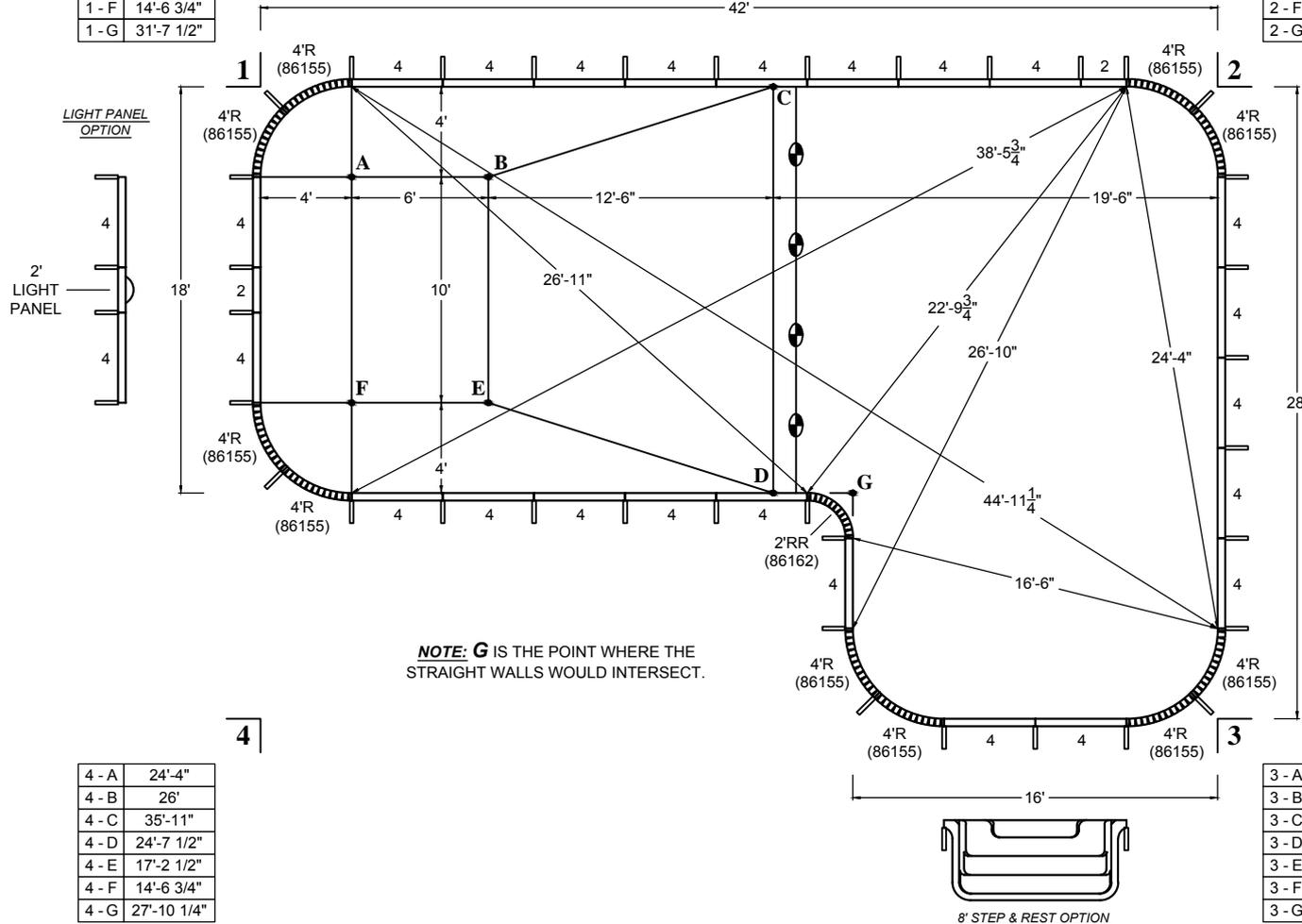


4' RADIUS 90° EL LEFT  
18' x 42' x 28'

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 1 - E | 17'-2 1/2" |
| 1 - F | 14'-6 3/4" |
| 1 - G | 31'-7 1/2" |

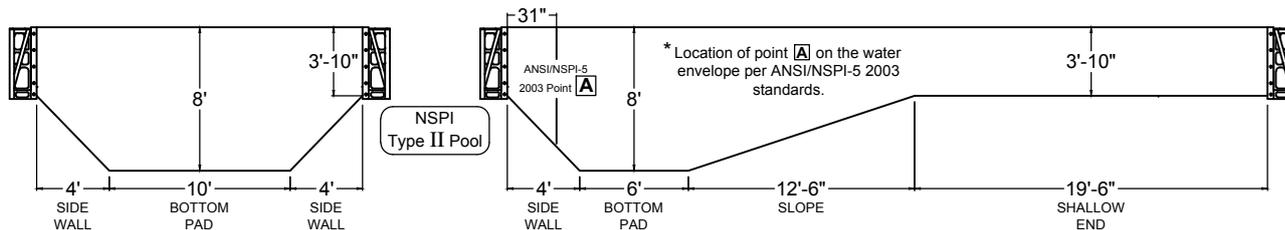
|       |            |
|-------|------------|
| 1 - 3 | 50'-5 3/4" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 2 - A | 38'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 26'-6 1/2"  |
| 2 - E | 34'-11 1/4" |
| 2 - F | 40'-6"      |
| 2 - G | 24'-1"      |



|       |             |
|-------|-------------|
| 4 - A | 24'-4"      |
| 4 - B | 26'         |
| 4 - C | 35'-11"     |
| 4 - D | 24'-7 1/2"  |
| 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 | 34'-1 1/2"  |
| 3 - D | 21'-11"     |
| 3 - E | 34'-11 1/4" |
| 3 - F | 40'-6"      |
| 3 - G | 18'-10 1/2" |



|                                 |                     |  |                  |                        |
|---------------------------------|---------------------|--|------------------|------------------------|
| ↓ 8' STRAIGHT STEP<br>↓ NO STEP | POOL SURFACE AREA → | 899.7 ft <sup>2</sup><br>83.6 m <sup>2</sup> | LINER SQ. FT. →  | 916.00 ft <sup>2</sup> |
|                                 | POOL VOLUME →       | 28500 gal<br>107800 L                        | POOL PERIMETER → | 130'-7"<br>39.80 m     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                               |
|------------------|--------------------------------------|
| 2 2              | 2' PLAIN PANEL 48102                 |
| 19 21            | 4' PLAIN PANEL 48106                 |
| 2 2              | 4' SKIMMER PANEL 48106S              |
| 11 11            | VERSA-FLEX PANEL 48115               |
| 1 1              | 2' REVERSE RADIUS STRAP SET 86162S   |
| 10 10            | 4' RADIUS STRAP SET 86155S           |
| 286 286          | PUSH NUTS 09115                      |
| 35 36            | BRACE SYSTEM COMPLETE 48146          |
| 1                | 8' STEP & REST 07418SNR48            |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838 |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664   |
|                  | CHANNEL-LOC SONOTUBE 86152           |
|                  | 4' STANDARD LIGHT PANEL 48106L       |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

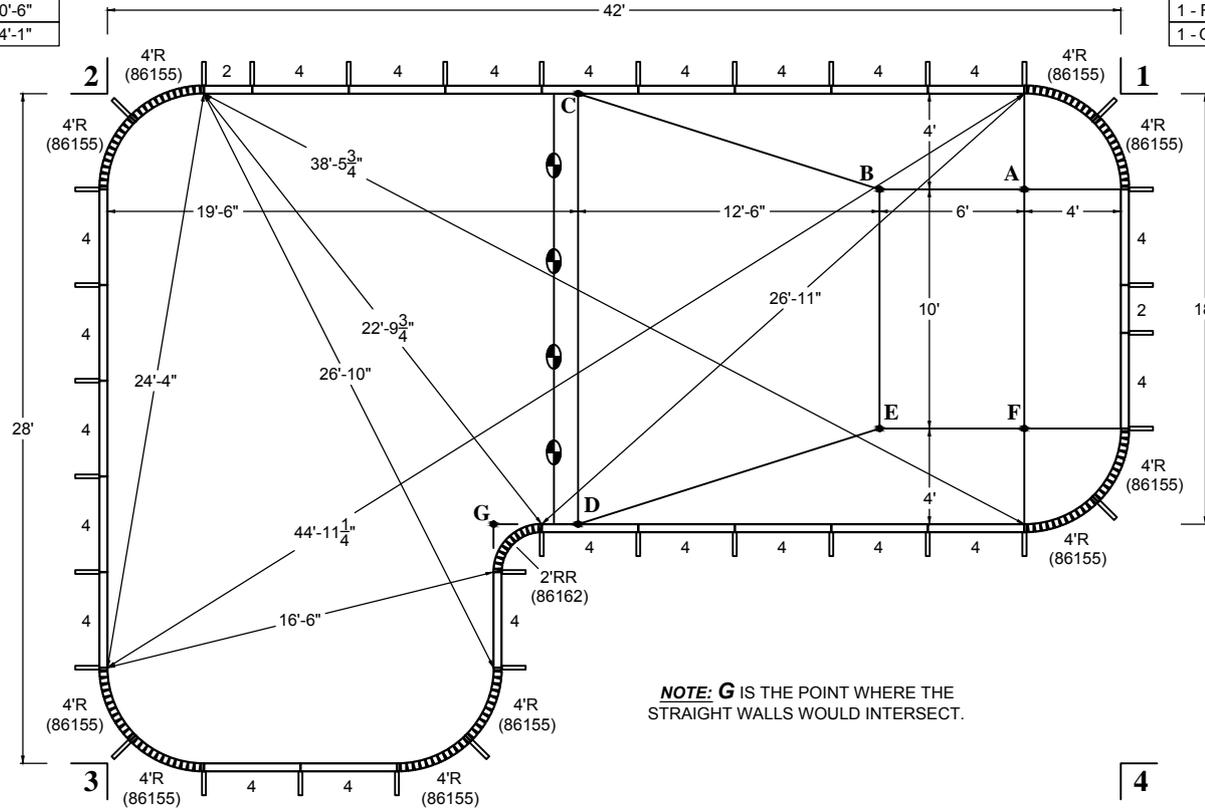
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

## 4' RADIUS 90° EL RIGHT 18' x 42' x 28'

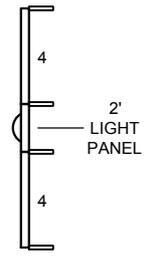
|       |             |
|-------|-------------|
| 2 - A | 38'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 26'-6 1/2"  |
| 2 - E | 34'-11 1/4" |
| 2 - F | 40'-6"      |
| 2 - G | 24'-1"      |

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

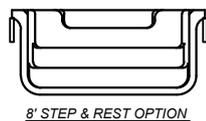
|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 1 - E | 17'-2 1/2" |
| 1 - F | 14'-6 3/4" |
| 1 - G | 31'-7 1/2" |



LIGHT PANEL  
OPTION

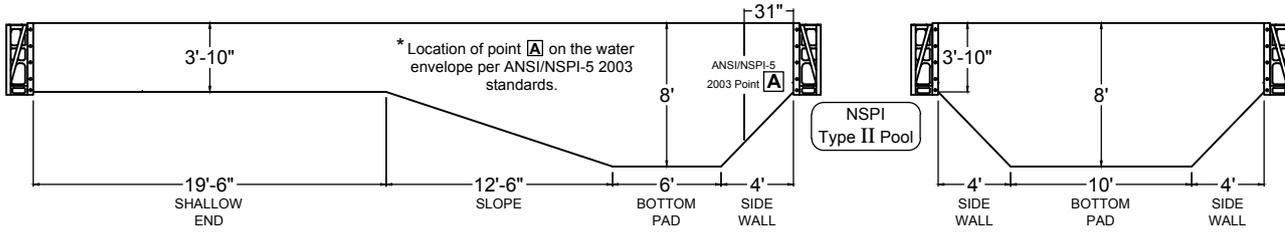


|       |             |
|-------|-------------|
| 3 - A | 44'-11 1/4" |
| 3 - B | 40'         |
| 3 - C | 34'-1 1/2"  |
| 3 - D | 21'-11"     |
| 3 - E | 34'-11 1/4" |
| 3 - F | 40'-6"      |
| 3 - G | 18'-10 1/2" |



|       |             |
|-------|-------------|
| 4 - A | 24'-4"      |
| 4 - B | 26'         |
| 4 - C | 35'-11"     |
| 4 - D | 24'-7 1/2"  |
| 4 - E | 17'-2 1/2"  |
| 4 - F | 14'-6 3/4"  |
| 4 - G | 27'-10 1/4" |

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



### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

|                    |           |                    |  |                 |                          |
|--------------------|-----------|--------------------|--|-----------------|--------------------------|
| ↓ 8' STRAIGHT STEP | ↓ NO STEP | PPOOL SURFACE AREA | → 899.7 ft <sup>2</sup><br>83.6 m <sup>2</sup> | LINER SQ. FT.   | → 916.00 ft <sup>2</sup> |
|                    |           | PPOOL VOLUME       | → 28500 gal<br>107800 L                        | PPOOL PERIMETER | → 130'-7"<br>39.80 m     |

| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 2' PLAIN PANEL                | 48102      |
| 4' PLAIN PANEL                | 48106      |
| 4' SKIMMER PANEL              | 48106S     |
| VERSA-FLEX PANEL              | 48115      |
| 2' REVERSE RADIUS STRAP SET   | 86162S     |
| 4' RADIUS STRAP SET           | 86155S     |
| PUSH NUTS                     | 09115      |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8' STEP & REST                | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

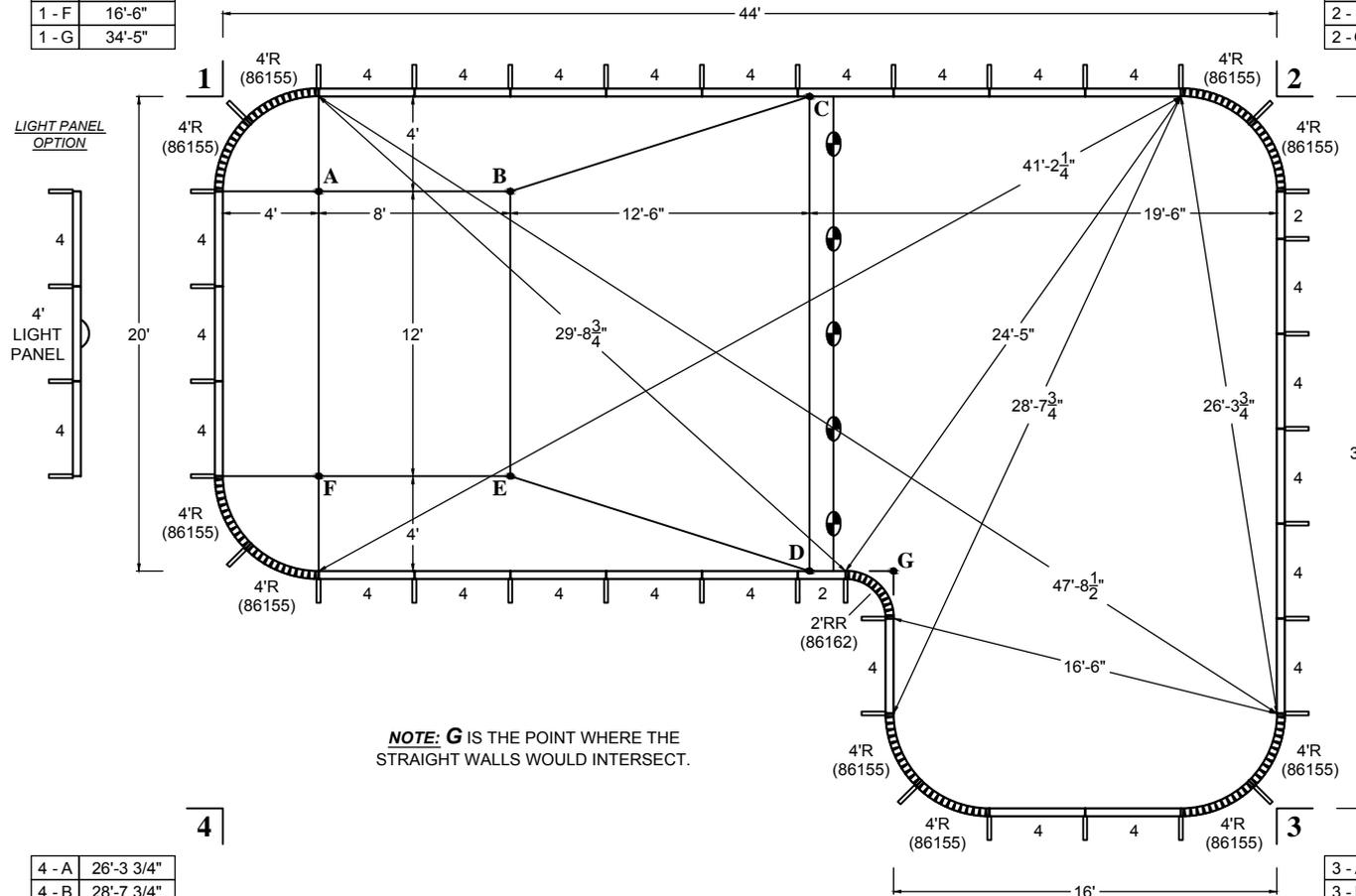
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

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

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 12'-7 3/4" |
| 1 - C | 24'-6"     |
| 1 - D | 31'-7 1/2" |
| 1 - E | 20'        |
| 1 - F | 16'-6"     |
| 1 - G | 34'-5"     |

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

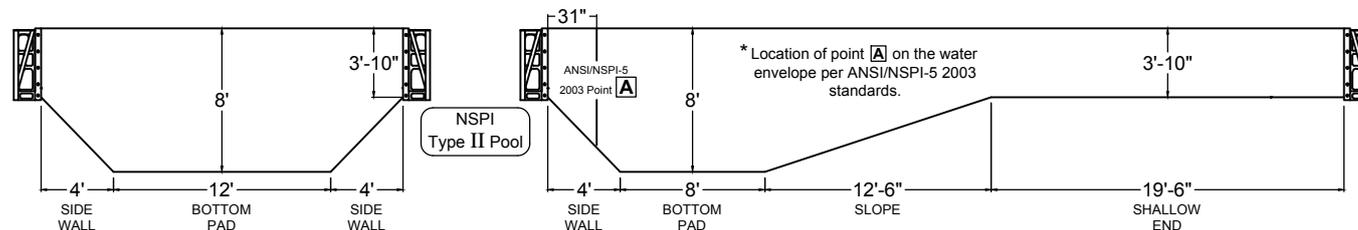
|       |             |
|-------|-------------|
| 2 - A | 40'-2 1/2"  |
| 2 - B | 32'-3"      |
| 2 - C | 19'-6"      |
| 2 - D | 27'-11 1/4" |
| 2 - E | 35'-9 1/4"  |
| 2 - F | 43'-1"      |
| 2 - G | 25'-7 1/4"  |



**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 | 38'-8 3/4" |
| 4 - D | 26'-5 1/2" |
| 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 | 35'-9 1/4"  |
| 3 - D | 21'-11"     |
| 3 - E | 34'-11 1/4" |
| 3 - F | 42'-4 1/2"  |
| 3 - G | 18'-10 1/2" |



|                  |                   |                          |                |                           |
|------------------|-------------------|--------------------------|----------------|---------------------------|
| 8' STRAIGHT STEP | POOL SURFACE AREA | → 1023.7 ft <sup>2</sup> | LINER SQ. FT.  | → 1040.00 ft <sup>2</sup> |
|                  |                   | → 95.1 m <sup>2</sup>    |                |                           |
| NO STEP          | POOL VOLUME       | → 33500 gal              | POOL PERIMETER | → 138'-7"                 |
|                  |                   | → 126800 L               |                | → 42.23 m                 |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                        |            |
|------------------|-------------------------------|------------|
| 2 2              | 2' PLAIN PANEL                | 48102      |
| 21 23            | 4' PLAIN PANEL                | 48106      |
| 2 2              | 4' SKIMMER PANEL              | 48106S     |
| 11 11            | VERSA-FLEX PANEL              | 48115      |
| 1 1              | 2' REVERSE RADIUS STRAP SET   | 86162S     |
| 10 10            | 4' RADIUS STRAP SET           | 86155S     |
| 286 286          | PUSH NUTS                     | 09115      |
| 37 38            | BRACE SYSTEM COMPLETE         | 48146      |
| 1                | 8' STEP & REST                | 07418SNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  | CHANNEL-LOC SONOTUBE          | 86152      |
|                  | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.





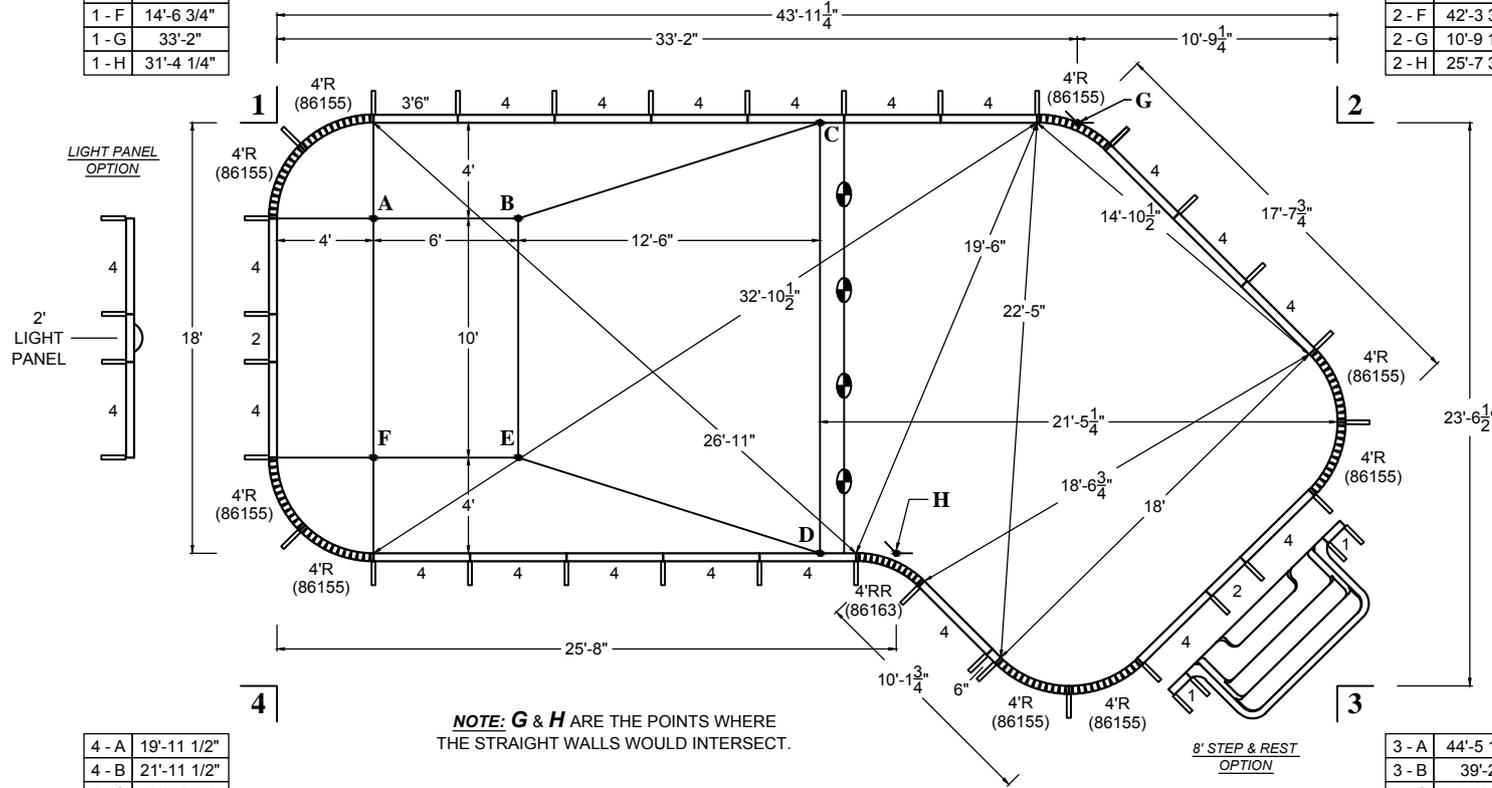


## 4' RADIUS LAZY EL LEFT 18' x 44'

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 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 |             |

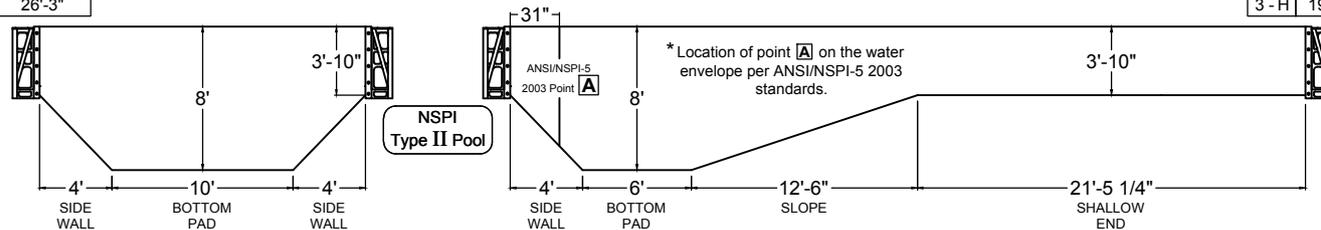
|       |            |
|-------|------------|
| 2 - A | 40'-1 3/4" |
| 2 - B | 34'-2"     |
| 2 - C | 21'-5 1/4" |
| 2 - D | 28'        |
| 2 - E | 36'-8 1/2" |
| 2 - F | 42'-3 3/4" |
| 2 - G | 10'-9 1/4" |
| 2 - H | 25'-7 3/4" |



**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 | 32'-6 3/4"  |
| 4 - D | 23'-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 | 31'-10 1/4" |
| 3 - D | 22'-1 3/4"  |
| 3 - E | 35'-3"      |
| 3 - F | 41'-0 3/4"  |
| 3 - G | 25'-10 3/4" |
| 3 - H | 19'-1 1/4"  |



\* Location of point **A** on the water envelope per ANSI/NSPI-5 2003 standards.

\* - 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

|                  |                   |  |                |                          |
|------------------|-------------------|--|----------------|--------------------------|
| 8' STRAIGHT STEP | POOL SURFACE AREA | 765.9 ft <sup>2</sup><br>71.1 m <sup>2</sup> | LINER SQ. FT.  | 914.6250 ft <sup>2</sup> |
|                  | POOL VOLUME       | 25200 gal<br>95400 L                         | POOL PERIMETER | 115'-5"<br>35.18 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

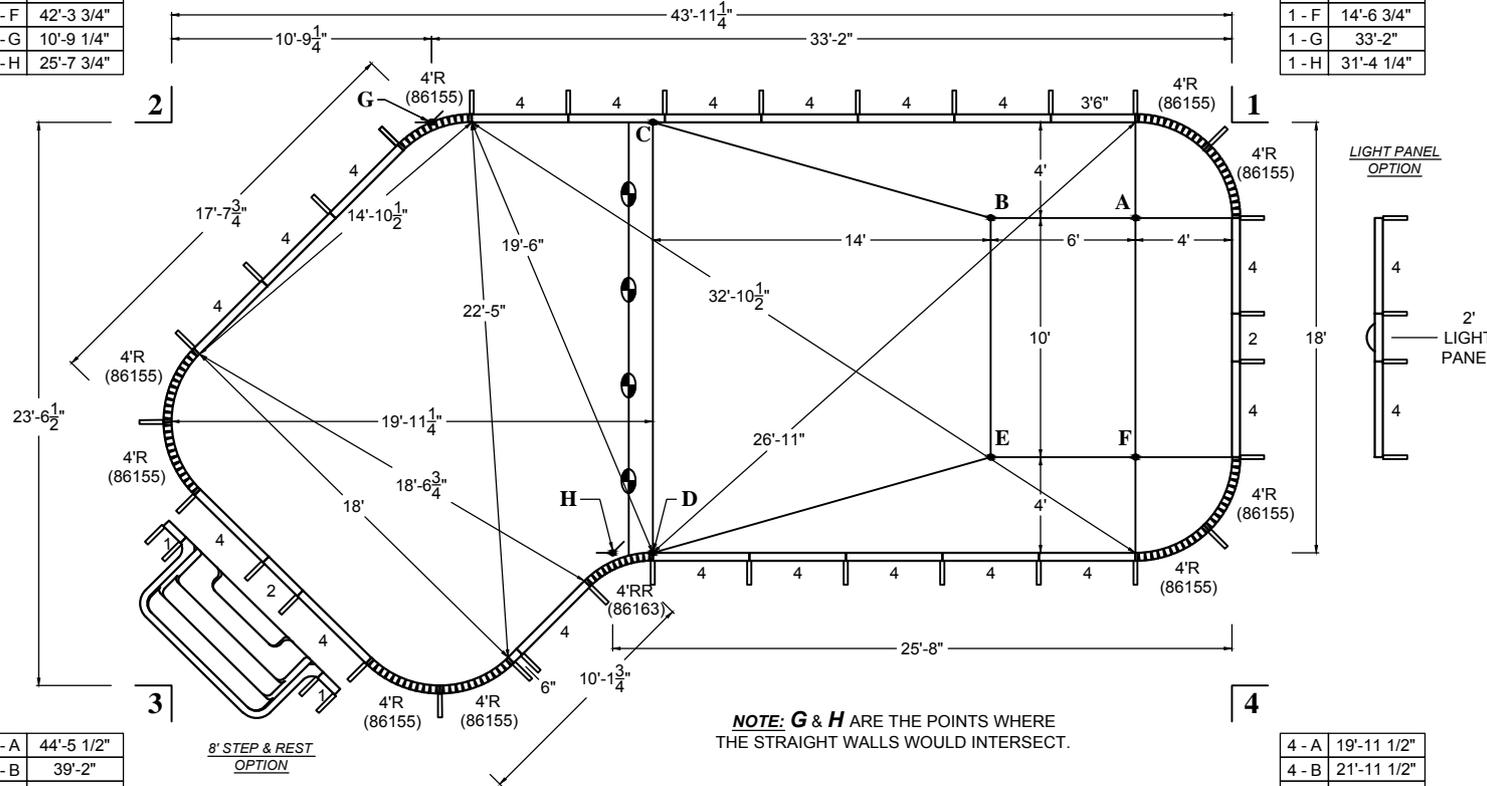
| ITEM DESCRIPTION | PART #                        |            |
|------------------|-------------------------------|------------|
| 1 1              | 6" PLAIN PANEL                | 48100      |
| 2                | 1' PLAIN PANEL                | 48101      |
| 1 2              | 2' PLAIN PANEL                | 48102      |
| 1 1              | 3'6" PLAIN PANEL              | 48105      |
| 15 17            | 4' PLAIN PANEL                | 48106      |
| 2 2              | 4' SKIMMER PANEL              | 48106S     |
| 10 10            | VERSA-FLEX PANEL              | 48115      |
| 1 1              | 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 9 9              | 4' RADIUS STRAP SET           | 86155S     |
| 260 260          | PUSH NUTS                     | 09115      |
| 33 33            | BRACE SYSTEM COMPLETE         | 48146      |
| 1                | 8' STEP & REST                | 07418SNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  | CHANNEL-LOC SONOTUBE          | 86152      |
|                  | 4' STANDARD LIGHT PANEL       | 48106L     |

## 4' RADIUS LAZY EL RIGHT 18' x 44'

|       |            |
|-------|------------|
| 2 - A | 40'-1 3/4" |
| 2 - B | 34'-2"     |
| 2 - C | 21'-5 1/4" |
| 2 - D | 28'        |
| 2 - E | 36'-8 1/2" |
| 2 - F | 42'-3 3/4" |
| 2 - G | 10'-9 1/4" |
| 2 - H | 25'-7 3/4" |

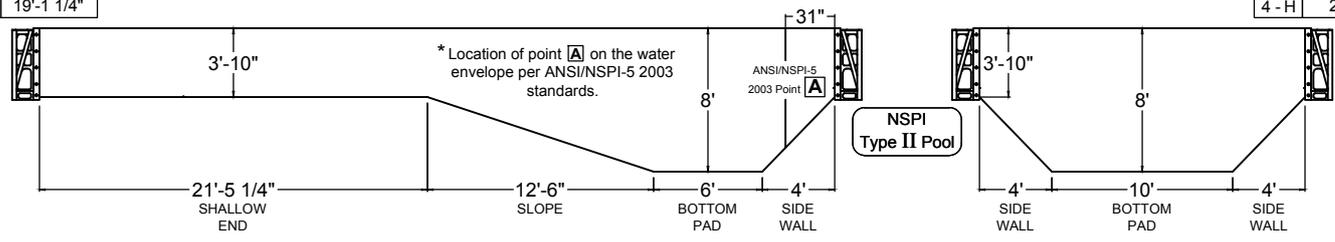
|       |             |
|-------|-------------|
| 1 - 3 | 49'-10 1/4" |
| 2 - 4 |             |

|       |            |
|-------|------------|
| 1 - A | 5'-8"      |
| 1 - B | 10'-9 1/4" |
| 1 - C | 22'-6"     |
| 1 - D | 28'-9 3/4" |
| 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 | 31'-10 1/4" |
| 3 - D | 22'-1 3/4"  |
| 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 | 32'-6 3/4"  |
| 4 - D | 23'-2"      |
| 4 - E | 13'-10"     |
| 4 - F | 10'-4 1/4"  |
| 4 - G | 40'-8"      |
| 4 - H | 26'-3"      |



|                  |                   |                       |                |                          |
|------------------|-------------------|-----------------------|----------------|--------------------------|
| 8' STRAIGHT STEP | POOL SURFACE AREA | 765.9 ft <sup>2</sup> | LINER SQ. FT.  | 914.6250 ft <sup>2</sup> |
|                  |                   | 71.1 m <sup>2</sup>   |                |                          |
| NO STEP          | POOL VOLUME       | 25200 gal             | POOL PERIMETER | 115'-5"                  |
|                  |                   | 95400 L               |                | 35.18 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                               |
|------------------|--------------------------------------|
| 1 1              | 6" PLAIN PANEL 48100                 |
| 2                | 1' PLAIN PANEL 48101                 |
| 1 2              | 2' PLAIN PANEL 48102                 |
| 1 1              | 3'6" PLAIN PANEL 48105               |
| 15 17            | 4' PLAIN PANEL 48106                 |
| 2 2              | 4' SKIMMER PANEL 48106S              |
| 10 10            | VERSA-FLEX PANEL 48115               |
| 1 1              | 4' REVERSE RADIUS STRAP SET 86163S   |
| 9 9              | 4' RADIUS STRAP SET 86155S           |
| 260 260          | PUSH NUTS 09115                      |
| 33 33            | BRACE SYSTEM COMPLETE 48146          |
| 1                | 8' STEP & REST 07418SNR48            |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838 |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664   |
|                  | CHANNEL-LOC SONOTUBE 86152           |
|                  | 4' STANDARD LIGHT PANEL 48106L       |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

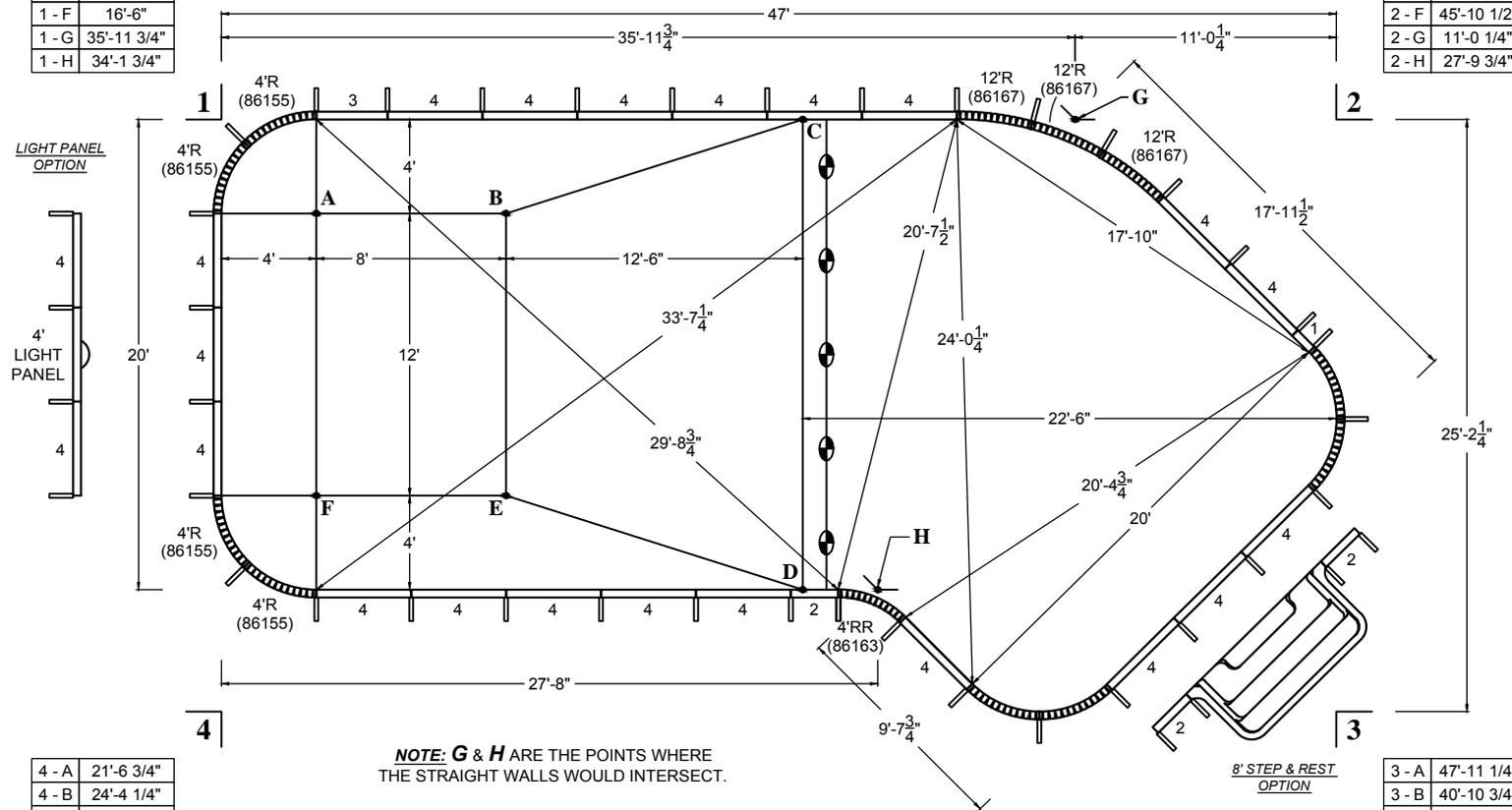
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

## 4' RADIUS LAZY EL LEFT 20' x 47'

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 12'-7 3/4"  |
| 1 - C | 24'-6"      |
| 1 - D | 31'-7 1/2"  |
| 1 - E | 20'         |
| 1 - F | 16'-6"      |
| 1 - G | 35'-11 3/4" |
| 1 - H | 34'-1 3/4"  |

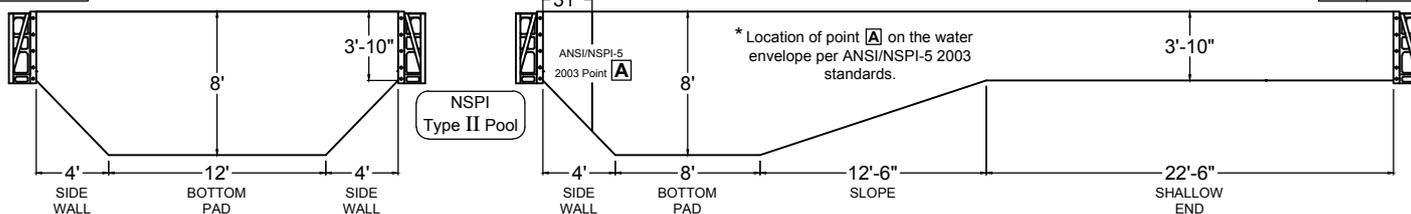
|       |            |
|-------|------------|
| 1 - 3 | 53'-3 3/4" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 2 - A | 43'-2 1/4"  |
| 2 - B | 35'-2 3/4"  |
| 2 - C | 22'-6"      |
| 2 - D | 30'-1 1/4"  |
| 2 - E | 38'-5 3/4"  |
| 2 - F | 45'-10 1/2" |
| 2 - G | 11'-0 1/4"  |
| 2 - H | 27'-9 3/4"  |



|       |            |
|-------|------------|
| 4 - A | 21'-6 3/4" |
| 4 - B | 24'-4 1/4" |
| 4 - C | 35'-1 3/4" |
| 4 - D | 25'-0 1/2" |
| 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 | 33'-9 1/4"  |
| 3 - D | 23'-1"      |
| 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 <sup>2</sup> | LINER SQ. FT.  | 1078.75 ft <sup>2</sup> |
| POOL VOLUME       | 30400 gal             | POOL PERIMETER | 123'-9"                 |
|                   | 115000 L              |                | 37.72 m                 |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 1 PLAIN PANEL                 | 48101      |
| 2 PLAIN PANEL                 | 48102      |
| 3 PLAIN PANEL                 | 48108      |
| 4 PLAIN PANEL                 | 48106      |
| 4 SKIMMER PANEL               | 48106S     |
| VERSA-FLEX PANEL              | 48115      |
| 4 REVERSE RADIUS STRAP SET    | 86163S     |
| 12 RADIUS STRAP SET           | 86167S     |
| 4 RADIUS STRAP SET            | 86155S     |
| PUSH NUTS                     | 09115      |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8 STEP & REST                 | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4 STANDARD LIGHT PANEL        | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

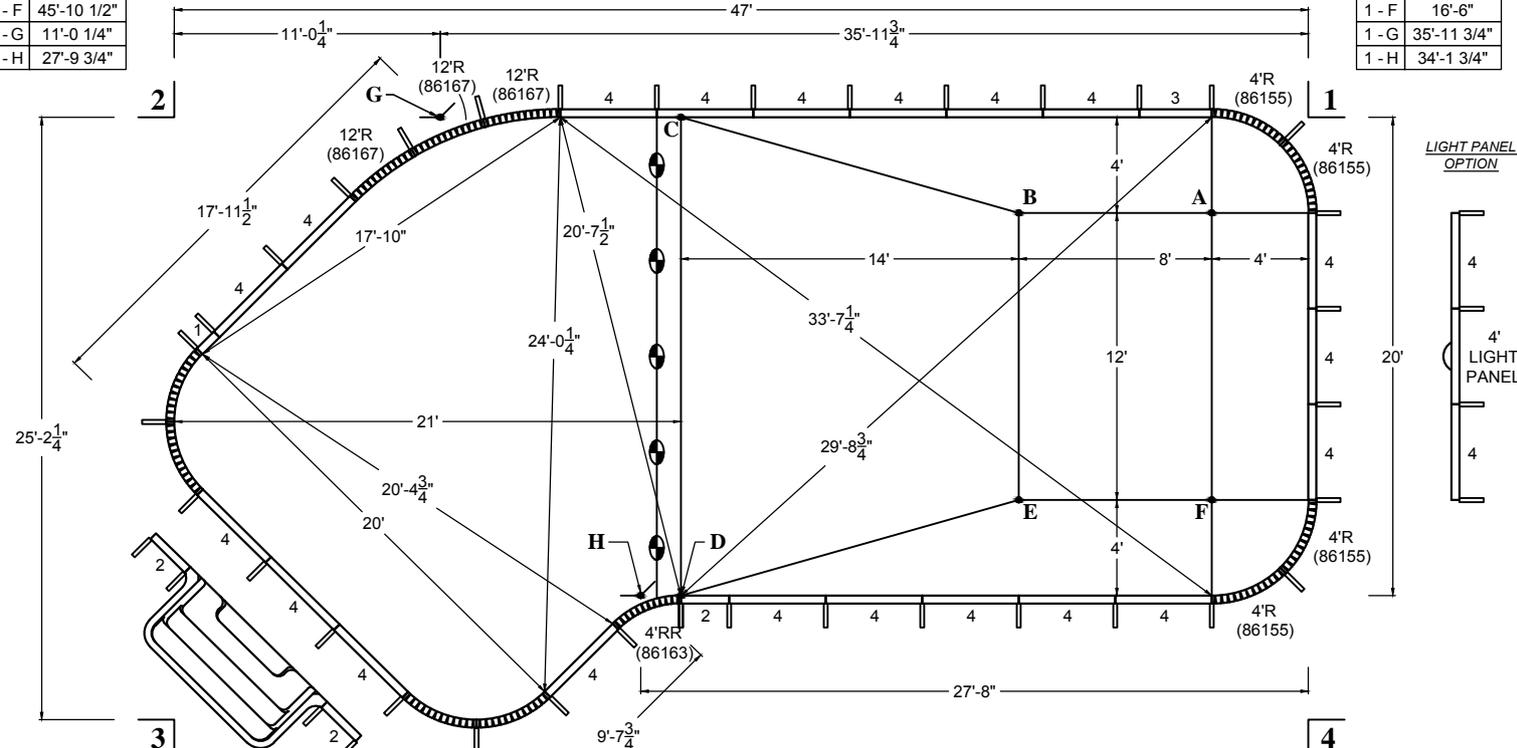
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

## 4' RADIUS LAZY EL RIGHT 20' x 47'

|       |             |
|-------|-------------|
| 2 - A | 43'-2 1/4"  |
| 2 - B | 35'-2 3/4"  |
| 2 - C | 22'-6"      |
| 2 - D | 30'-1 1/4"  |
| 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 | 24'-6"      |
| 1 - D | 31'-7 1/2"  |
| 1 - E | 20'         |
| 1 - F | 16'-6"      |
| 1 - G | 35'-11 3/4" |
| 1 - H | 34'-1 3/4"  |

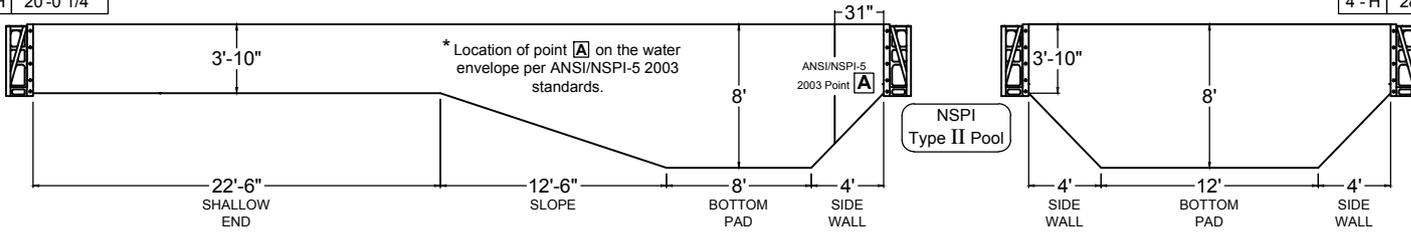


|       |             |
|-------|-------------|
| 3 - A | 47'-11 1/4" |
| 3 - B | 40'-10 3/4" |
| 3 - C | 33'-9 1/4"  |
| 3 - D | 23'-1"      |
| 3 - E | 36'-2 1/4"  |
| 3 - F | 43'-11 1/2" |
| 3 - G | 27'-5 3/4"  |
| 3 - H | 20'-0 1/4"  |

8' STEP & REST  
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 | 35'-1 3/4" |
| 4 - D | 25'-0 1/2" |
| 4 - E | 15'-1 1/4" |
| 4 - F | 10'-0 1/4" |
| 4 - G | 43'-11"    |
| 4 - H | 28'-1 3/4" |



\* Location of point **A** on the water envelope per ANSI/NSPI-5 2003 standards.

NSPI  
Type II Pool

\* - use bolts at  
step connection

|                   |                         |                |                           |
|-------------------|-------------------------|----------------|---------------------------|
| POOL SURFACE AREA | → 896.1 ft <sup>2</sup> | LINER SQ. FT.  | → 1078.75 ft <sup>2</sup> |
|                   | → 83.2 m <sup>2</sup>   |                |                           |
| POOL VOLUME       | → 30400 gal             | POOL PERIMETER | → 123'-9"                 |
|                   | → 115000 L              |                | → 37.72 m                 |

**DIVING PERMITTED ONLY FROM  
DESIGNATED DIVING AREA**

| 8' STRAIGHT STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|------------------|---------|-------------------------------|------------|
| 1                | 1       | 1' PLAIN PANEL                | 48101      |
| 3                | 1       | 2' PLAIN PANEL                | 48102      |
| 1                | 1       | 3' PLAIN PANEL                | 48108      |
| 15               | 18      | 4' PLAIN PANEL                | 48106      |
| 2                | 2       | 4' SKIMMER PANEL              | 48106S     |
| 12               | 12      | VERSA-FLEX PANEL              | 48115      |
| 1                | 1       | 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 3                | 3       | 12' RADIUS STRAP SET          | 86167S     |
| 8                | 8       | 4' RADIUS STRAP SET           | 86155S     |
| 312              | 312     | PUSH NUTS                     | 09115      |
| 35               | 35      | BRACE SYSTEM COMPLETE         | 48146      |
| 1                |         | 8' STEP & REST                | 07418SNR48 |
| 14*              |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*              |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                  |         | CHANNEL-LOC SONOTUBE          | 86152      |
|                  |         | 4' STANDARD LIGHT PANEL       | 48106L     |

- 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 A.N.S.I. / N.S.P.I. suggested standards.

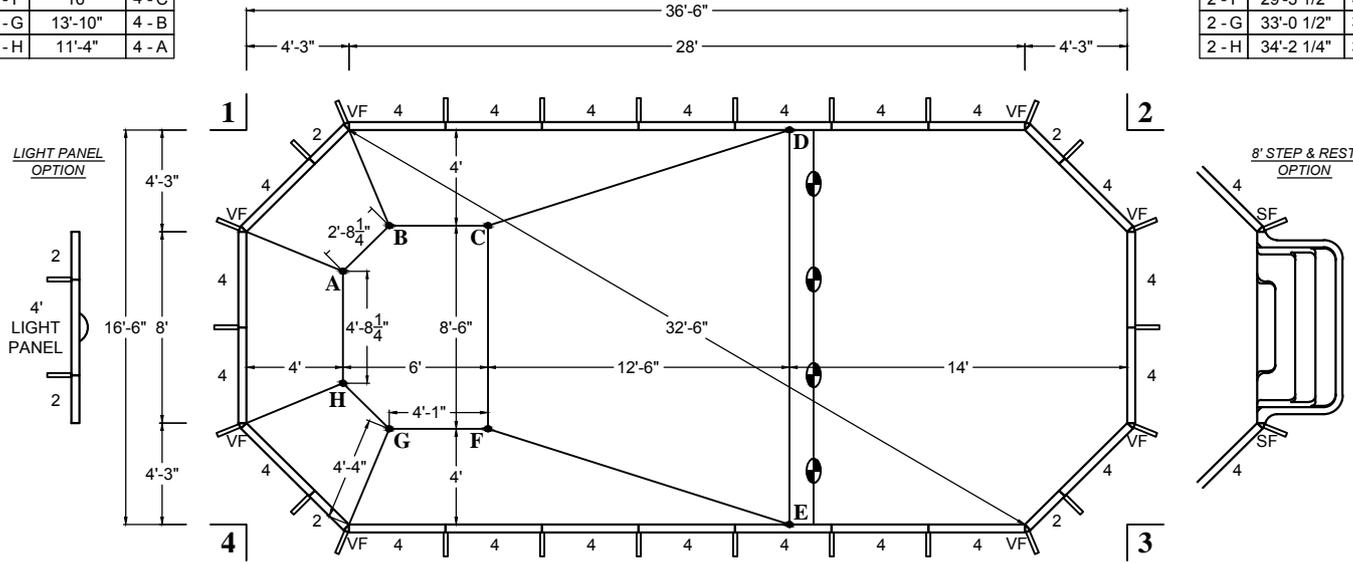
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



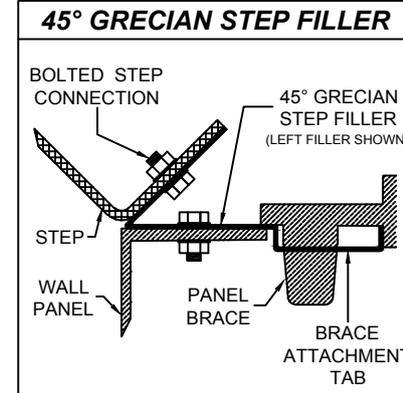
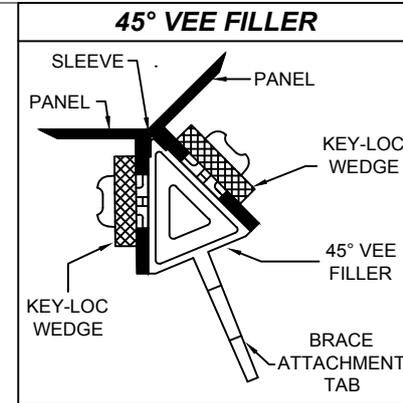
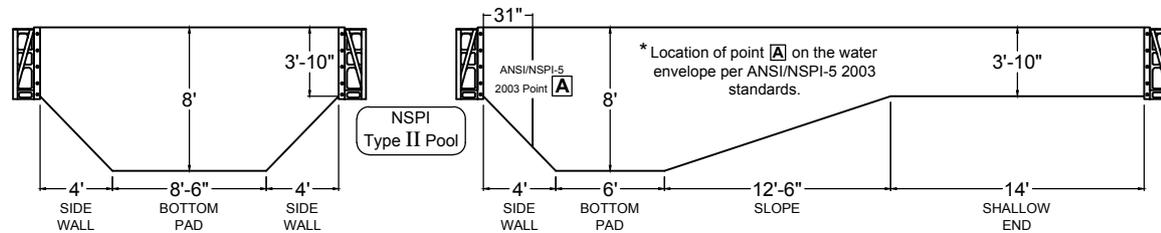
|       |             |       |
|-------|-------------|-------|
| 1 - A | 7'-1 1/2"   | 4 - H |
| 1 - B | 7'-1 1/2"   | 4 - G |
| 1 - C | 10'-9 1/4"  | 4 - F |
| 1 - D | 22'-6"      | 4 - E |
| 1 - E | 27'-10 3/4" | 4 - D |
| 1 - F | 16'         | 4 - C |
| 1 - G | 13'-10"     | 4 - B |
| 1 - H | 11'-4"      | 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 | 14'         | 3 - E |
| 2 - E | 21'-7 3/4"  | 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° VEE FILLER  
SF-45° GRECIAN VEE STEP FILLER



|  |                | <b>Polymer</b>  |  |
|--|----------------|---|--|
|  |                | <b>GRECIAN</b>  |  |
|  |                | <b>16'-6" x 36'-6"</b>  |  |
|  |                | POOL SURFACE AREA → 566.1 ft <sup>2</sup> / 52.6 m <sup>2</sup> | LINER SQ. FT. → 602.25 ft <sup>2</sup> |
|  |                | POOL VOLUME → 19400 gal / 73400 L                               | POOL PERIMETER → 96' / 29.26 m         |
| <b>DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA</b> |                |   |  |
|  | 8' CENTER STEP | NO STEP   |  |
|  | 4              | 4   | ITEM DESCRIPTION                       |
|  | 19             | 21  | 2' PLAIN PANEL                         |
|  | 1              | 1   | 4' PLAIN PANEL                         |
|  | 30             | 40  | 4' SKIMMER PANEL                       |
|  | 60             | 80  | 45 DEGREE VEE FILLER                   |
|  | 6              | 8   | KEY-LOC for VEE FILLER                 |
|  | 1              |   | GRECIAN CORNER SLEEVE                  |
|  | 1              |   | GRECIAN STEP FILLER - LEFT             |
|  | 1              |   | GRECIAN STEP FILLER - RIGHT            |
|  | 25             | 26  | BRACE SYSTEM COMPLETE                  |
|  | 1              |   | 8' STEP & REST                         |
|  | 28*            |   | 3/8"-16X HEX WASHER HEAD BOLT          |
|  | 28*            |   | 3/8"-16 HEX WASHER HEAD NUT            |
|  |                |   | CHANNEL-LOC SONOTUBE                   |
|  |                |   | 4' STANDARD LIGHT PANEL                |
|  |                |   | PART #                                 |
|  |                |   | 48102                                  |
|  |                |   | 48106                                  |
|  |                |   | 48106S                                 |
|  |                |   | 86140                                  |
|  |                |   | 86141                                  |
|  |                |   | 48140                                  |
|  |                |   | 48142                                  |
|  |                |   | 48143                                  |
|  |                |   | 48146                                  |
|  |                |   | 07418SNR48                             |
|  |                |   | 148838                                 |
|  |                |   | 149664                                 |
|  |                |   | 86152                                  |
|  |                |   | 48106L                                 |

\* - use bolts at step connection

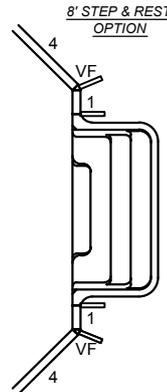
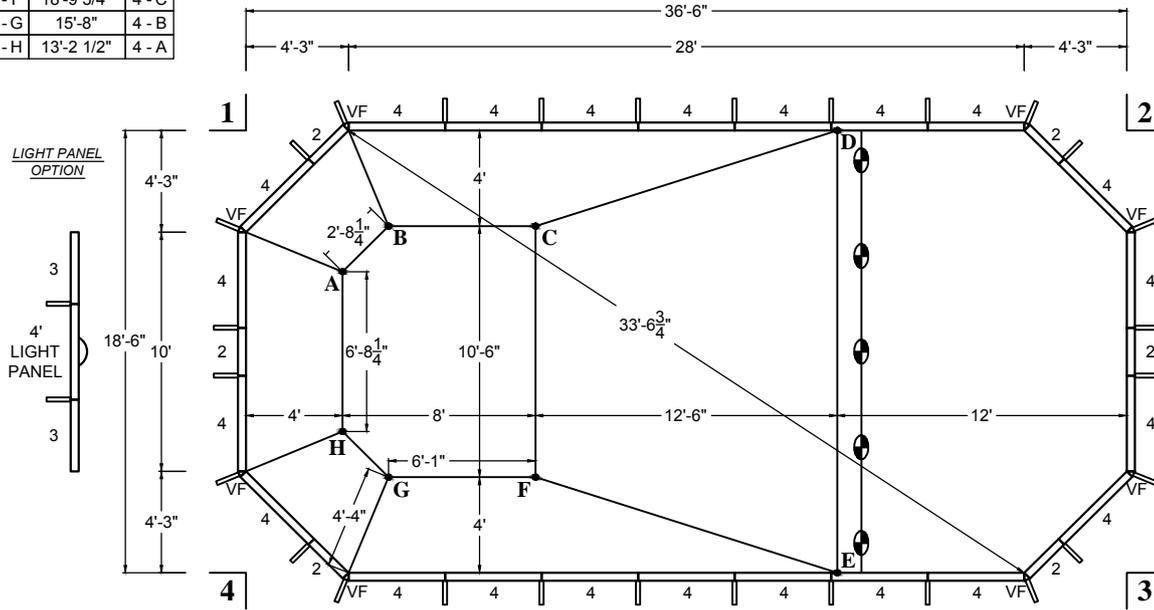
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

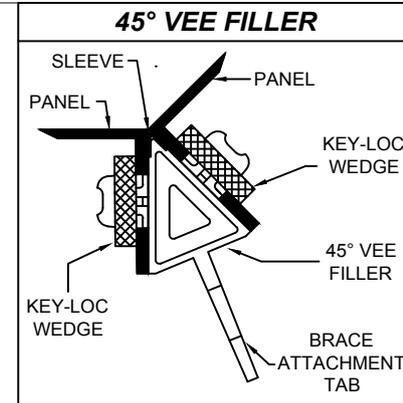
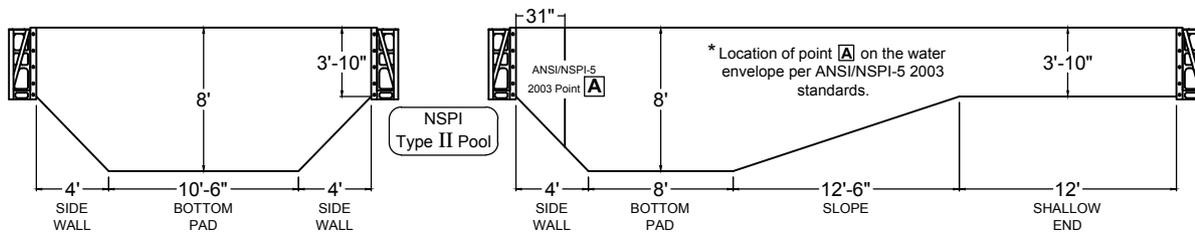
|       |            |       |
|-------|------------|-------|
| 1 - A | 7'-1 1/2"  | 4 - H |
| 1 - B | 7'-1 1/2"  | 4 - G |
| 1 - C | 12'-7 3/4" | 4 - F |
| 1 - D | 24'-6"     | 4 - E |
| 1 - E | 30'-8 1/2" | 4 - D |
| 1 - F | 18'-9 3/4" | 4 - C |
| 1 - G | 15'-8"     | 4 - B |
| 1 - H | 13'-2 1/2" | 4 - A |

|       |         |
|-------|---------|
| 1 - 3 | 40'-11" |
| 2 - 4 |         |

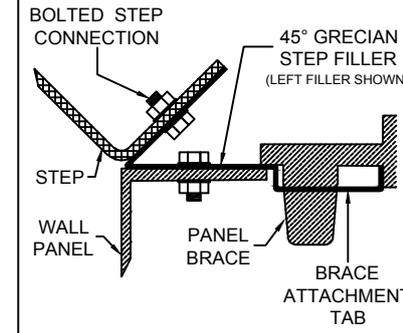
|       |             |       |
|-------|-------------|-------|
| 2 - A | 33'-0 1/2"  | 3 - H |
| 2 - B | 30'-10 1/4" | 3 - G |
| 2 - C | 24'-10"     | 3 - F |
| 2 - D | 12"         | 3 - E |
| 2 - E | 22'-0 1/2"  | 3 - D |
| 2 - F | 28'-5 3/4"  | 3 - C |
| 2 - G | 33'-10 1/4" | 3 - B |
| 2 - H | 34'-10 1/4" | 3 - A |



VF--45° VEE FILLER  
SF--45° GRECIAN VEE STEP FILLER



**45° GRECIAN STEP FILLER**



|  |    |  |  |
|--|----|--|--|
|  |    | <b>Polymer</b>   |  |
|  |    | <b>GRECIAN</b>   |  |
|  |    | <b>18'-6" x 36'-6"</b>   |  |
|  |    | POLYMER SURFACE AREA → 639.1 ft <sup>2</sup> / 59.4 m <sup>2</sup> | LINER SQ. FT. → 675.25 ft <sup>2</sup> |
|  |    | POLYMER VOLUME → 22450 gal / 85000 L                               | POLYMER PERIMETER → 100' / 30.48 m     |
| <b>DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA</b> |    |  |  |
|  |    | ITEM DESCRIPTION   | PART #                                 |
| 2  |    | 1' PLAIN PANEL   | 42101                                  |
| 5  | 6  | 2' PLAIN PANEL   | 48102                                  |
|  |    | 3' PLAIN PANEL   | 42108                                  |
| 19   | 21 | 4' PLAIN PANEL   | 48106                                  |
| 1  | 1  | 4' SKIMMER PANEL   | 48106S                                 |
| 40   | 40 | 45 DEGREE VEE FILLER   | 86140                                  |
| 80   | 80 | KEY-LOC for VEE FILLER   | 86141                                  |
| 8  | 8  | GRECIAN CORNER SLEEVE  | 48140                                  |
| 28   | 28 | BRACE SYSTEM COMPLETE  | 48146                                  |
| 1  |    | 8' STEP & REST   | 07418SNR48                             |
| 28*  |    | 3/8"-16X HEX WASHER HEAD BOLT                                      | 148838                                 |
| 28*  |    | 3/8"-16 HEX WASHER HEAD NUT  | 149664                                 |
|  |    | CHANNEL-LOC SONOTUBE   | 86152                                  |
|  |    | 4' STANDARD LIGHT PANEL  | 48106L                                 |
| * - use bolts at step connection                         |    |  |  |

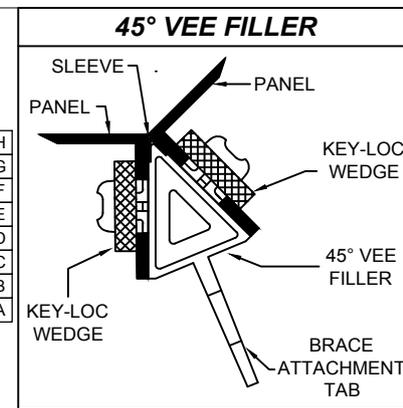
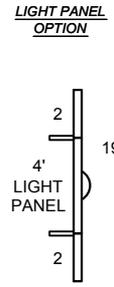
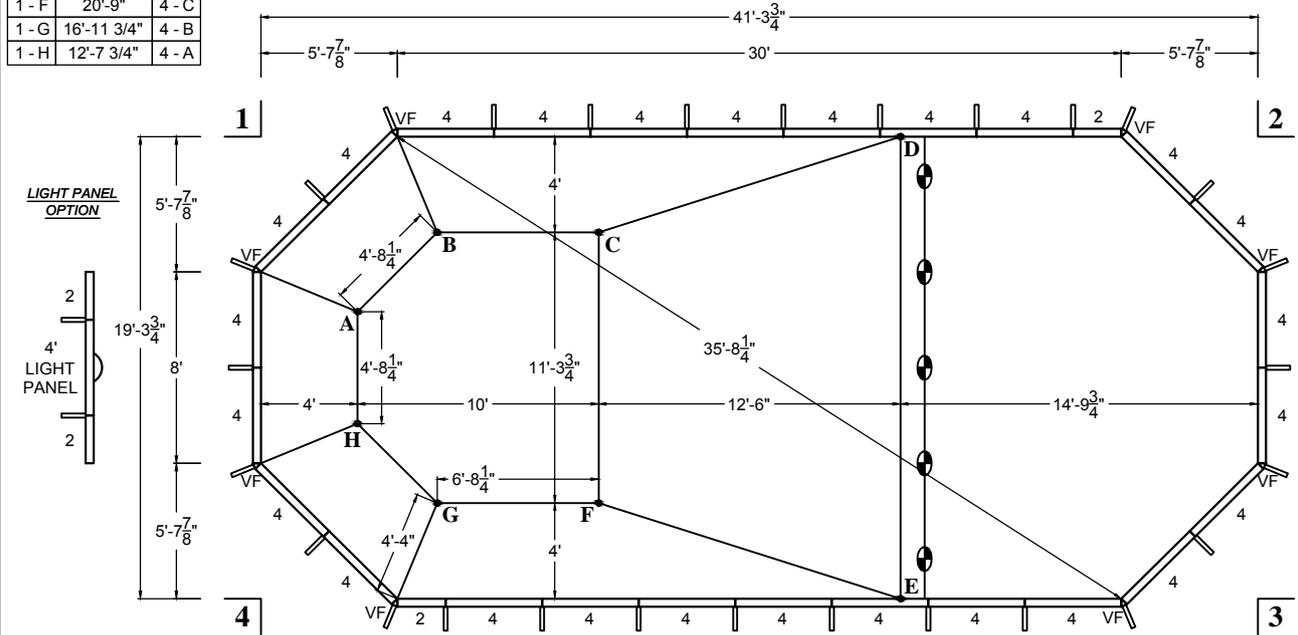
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

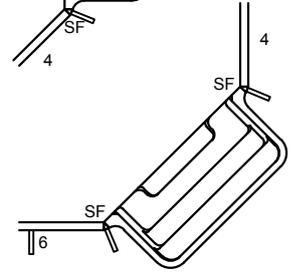
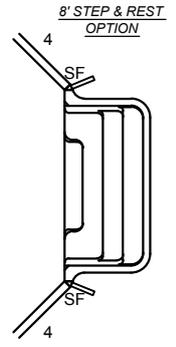


|       |             |       |
|-------|-------------|-------|
| 1 - A | 8'-4"       | 4 - H |
| 1 - B | 8'-4"       | 4 - G |
| 1 - C | 14'-6 3/4"  | 4 - F |
| 1 - D | 26'-6"      | 4 - E |
| 1 - E | 32'-9 1/2"  | 4 - D |
| 1 - F | 20'-9"      | 4 - C |
| 1 - G | 16'-11 3/4" | 4 - B |
| 1 - H | 12'-7 3/4"  | 4 - A |

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

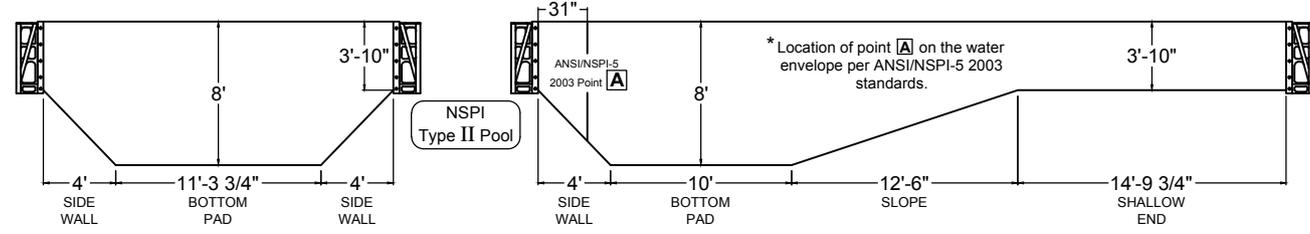


|       |            |       |
|-------|------------|-------|
| 2 - A | 38'-0 1/4" | 3 - H |
| 2 - B | 34'-2 3/4" | 3 - G |
| 2 - C | 27'-7 1/4" | 3 - F |
| 2 - D | 14'-9 3/4" | 3 - E |
| 2 - E | 24'-4"     | 3 - D |
| 2 - F | 31'-3 3/4" | 3 - C |
| 2 - G | 37'-3 1/2" | 3 - B |
| 2 - H | 35'-5"     | 3 - A |



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

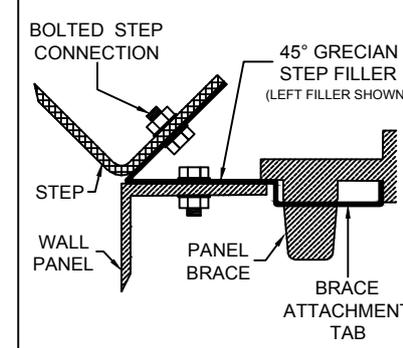
VF--45° VEE FILLER  
SF--45° GRECIAN VEE STEP FILLER



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

NSPI Type II Pool

**45° GRECIAN STEP FILLER**



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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

**Polymer**

GRECIAN  
19' x 41'

|                |                |         |                      |                       |                   |                          |
|----------------|----------------|---------|----------------------|-----------------------|-------------------|--------------------------|
| 8' CENTER STEP | 8' OFFSET STEP | NO STEP | POLYMER SURFACE AREA | 733.9 ft <sup>2</sup> | LINER SQ. FT.     | 797.8477 ft <sup>2</sup> |
|                |                |         | POLYMER VOLUME       | 25800 gal             | POLYMER PERIMETER | 108'                     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

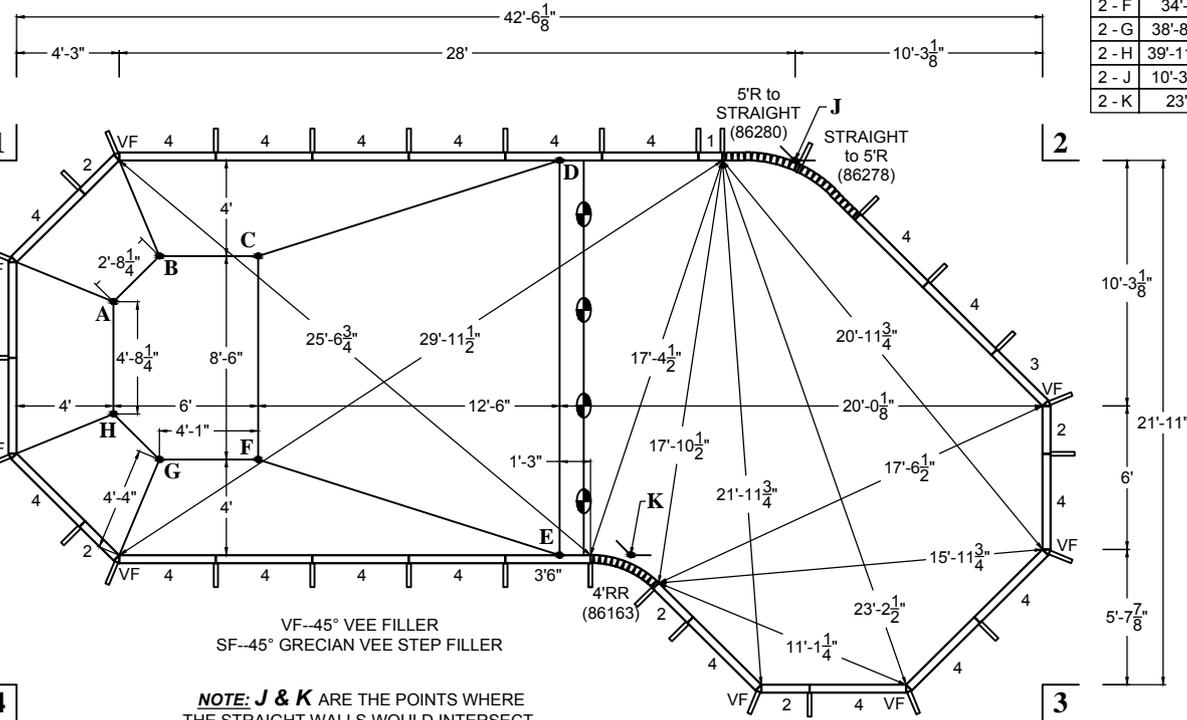
| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 2' PLAIN PANEL                | 48102      |
| 4' PLAIN PANEL                | 48106      |
| 4' SKIMMER PANEL              | 48106S     |
| 45 DEGREE VEE FILLER          | 86140      |
| KEY-LOC for VEE FILLER        | 86141      |
| GRECIAN CORNER SLEEVE         | 48140      |
| GRECIAN STEP FILLER - LEFT    | 48142      |
| GRECIAN STEP FILLER - RIGHT   | 48143      |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8' STEP & REST                | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4' STANDARD LIGHT PANEL       | 48106L     |

\* - use bolts at step connection

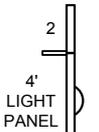
|       |             |
|-------|-------------|
| 1 - A | 7'-1 1/2"   |
| 1 - B | 7'-1 1/2"   |
| 1 - C | 10'-9 1/4"  |
| 1 - D | 22'-6"      |
| 1 - E | 27'-10 3/4" |
| 1 - F | 16'         |
| 1 - G | 13'-10"     |
| 1 - H | 11'-4"      |
| 1 - J | 32'-3"      |
| 1 - K | 30'-3 3/4"  |

|       |         |
|-------|---------|
| 1 - 3 | 47'-10" |
| 2 - 4 |         |

|       |             |
|-------|-------------|
| 2 - A | 38'-11 1/2" |
| 2 - B | 36'-9 3/4"  |
| 2 - C | 32'-9"      |
| 2 - D | 20'-0 1/4"  |
| 2 - E | 25'-11 1/4" |
| 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"      |

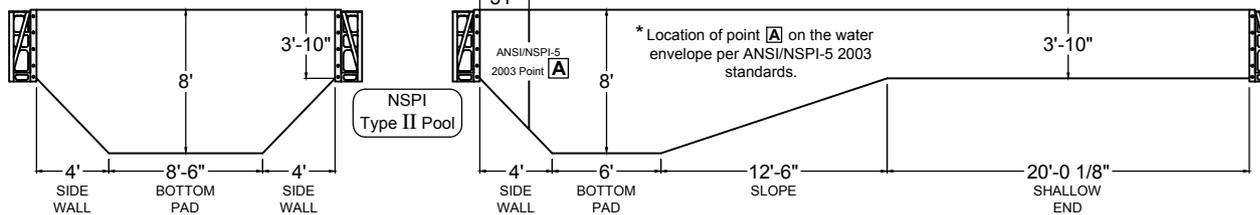


LIGHT PANEL OPTION

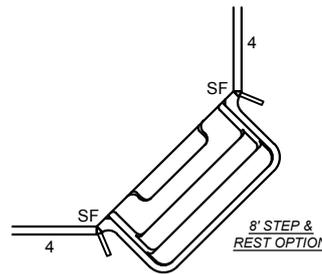
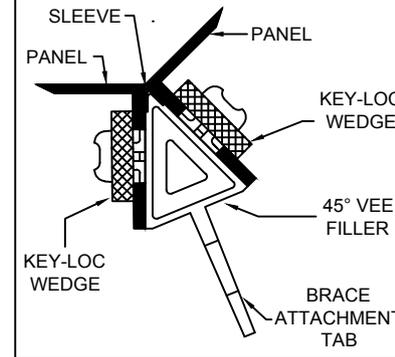


|       |             |
|-------|-------------|
| 4 - A | 16'-6"      |
| 4 - B | 18'-10 1/2" |
| 4 - C | 20'-6 1/4"  |
| 4 - D | 31'-5"      |
| 4 - E | 23'-1 3/4"  |
| 4 - F | 13'-8 3/4"  |
| 4 - G | 11'-1 1/2"  |
| 4 - H | 12'-0 1/4"  |
| 4 - J | 39'         |
| 4 - K | 26'         |

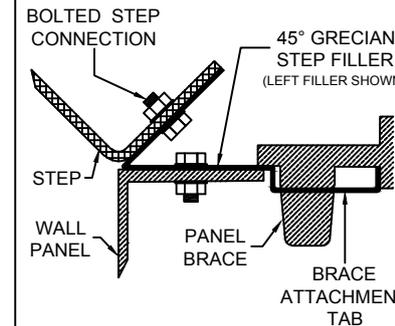
|       |             |
|-------|-------------|
| 3 - A | 41'-8 1/2"  |
| 3 - B | 40'-9"      |
| 3 - C | 37'-1 1/2"  |
| 3 - D | 29'-8 1/4"  |
| 3 - E | 20'-8 3/4"  |
| 3 - F | 33'-10 1/4" |
| 3 - G | 37'-9 1/2"  |
| 3 - H | 40'-1 3/4"  |
| 3 - J | 24'-2 1/2"  |
| 3 - K | 17'-11"     |



### 45° VEE FILLER



### 45° GRECIAN STEP FILLER



# Polymer

## GRECIAN LAZY EL LEFT 16'-6" x 42'-6"

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 692.4 ft <sup>2</sup><br>64.3 m <sup>2</sup> | LINER SQ. FT.  | → 835.3125 ft <sup>2</sup> |
| POOL VOLUME       | → 22500 gal<br>85200 L                         | POOL PERIMETER | → 111'<br>33.83 m          |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' CENTER STEP | NO STEP | ITEM DESCRIPTION                | PART #     |
|----------------|---------|---------------------------------|------------|
| 1              | 22      | 1' PLAIN PANEL                  | 48101      |
| 5              | 2       | 2' PLAIN PANEL                  | 48102      |
| 1              | 22      | 3' PLAIN PANEL                  | 48108      |
| 1              | 22      | 3'6" PLAIN PANEL                | 48105      |
| 17             | 22      | 4' PLAIN PANEL                  | 48106      |
| 2              | 2       | 4' SKIMMER PANEL                | 48106S     |
| 30             | 40      | 45 DEGREE VEE FILLER            | 86140      |
| 60             | 80      | KEY-LOC for VEE FILLER          | 86141      |
| 6              | 8       | GRECIAN CORNER SLEEVE           | 48140      |
| 3              | 3       | VERSA-FLEX PANEL                | 48115      |
| 1              | 1       | 4' REVERSE RADIUS STRAP SET     | 86163S     |
| 1              | 1       | STRAIGHT to 5' RADIUS STRAP SET | 86278S     |
| 1              | 1       | 5' RADIUS to STRAIGHT STRAP SET | 86280S     |
| 78             | 78      | PUSH NUTS                       | 09115      |
| 1              | 1       | GRECIAN STEP FILLER - LEFT      | 48142      |
| 1              | 1       | GRECIAN STEP FILLER - RIGHT     | 48143      |
| 31             | 32      | BRACE SYSTEM COMPLETE           | 48146      |
| 1              | 1       | 8' STEP & REST                  | 07418SNR48 |
| 28*            | 28*     | 3/8"-16X HEX WASHER HEAD BOLT   | 148838     |
| 28*            | 28*     | 3/8"-16 HEX WASHER HEAD NUT     | 149664     |
|                |         | CHANNEL-LOC SONOTUBE            | 86152      |
|                |         | 4' STANDARD LIGHT PANEL         | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 LAZY EL RIGHT 16'-6" x 42'-6"

|                      |                         |                   |                            |
|----------------------|-------------------------|-------------------|----------------------------|
| POLYMER SURFACE AREA | → 692.4 ft <sup>2</sup> | LINER SQ. FT.     | → 835.3125 ft <sup>2</sup> |
| POLYMER VOLUME       | → 22500 gal             | POLYMER PERIMETER | → 111'                     |
|                      | 85200 L                 |                   | 33.83 m                    |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

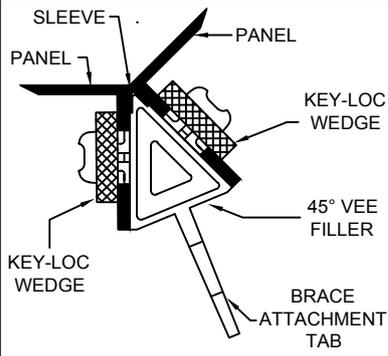
| 8" CENTER STEP | NO STEP | ITEM DESCRIPTION                | PART #     |
|----------------|---------|---------------------------------|------------|
| 1              | 22      | 1' PLAIN PANEL                  | 48101      |
| 5              | 2       | 2' PLAIN PANEL                  | 48102      |
| 1              | 22      | 3' PLAIN PANEL                  | 48108      |
| 1              | 22      | 3'6" PLAIN PANEL                | 48105      |
| 17             | 22      | 4' PLAIN PANEL                  | 48106      |
| 2              | 2       | 4' SKIMMER PANEL                | 48106S     |
| 30             | 40      | 45 DEGREE VEE FILLER            | 86140      |
| 60             | 80      | KEY-LOC for VEE FILLER          | 86141      |
| 6              | 8       | GRECIAN CORNER SLEEVE           | 48140      |
| 3              | 3       | VERSA-FLEX PANEL                | 48115      |
| 1              | 1       | 4' REVERSE RADIUS STRAP SET     | 86163S     |
| 1              | 1       | 5' RADIUS to STRAIGHT STRAP SET | 86279S     |
| 1              | 1       | STRAIGHT to 5' RADIUS STRAP SET | 86281S     |
| 78             | 78      | PUSH NUTS                       | 09115      |
| 1              |         | GRECIAN STEP FILLER - LEFT      | 48142      |
| 1              |         | GRECIAN STEP FILLER - RIGHT     | 48143      |
| 31             | 32      | BRACE SYSTEM COMPLETE           | 48146      |
| 1              |         | 8' STEP & REST                  | 07418SNR48 |
| 28*            |         | 3/8"-16X HEX WASHER HEAD BOLT   | 148838     |
| 28*            |         | 3/8"-16 HEX WASHER HEAD NUT     | 149664     |
|                |         | CHANNEL-LOC SONOTUBE            | 86152      |
|                |         | 4' STANDARD LIGHT PANEL         | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

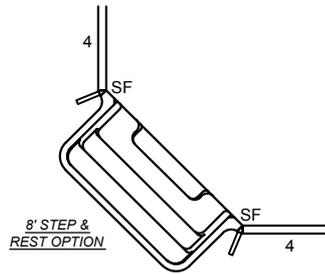
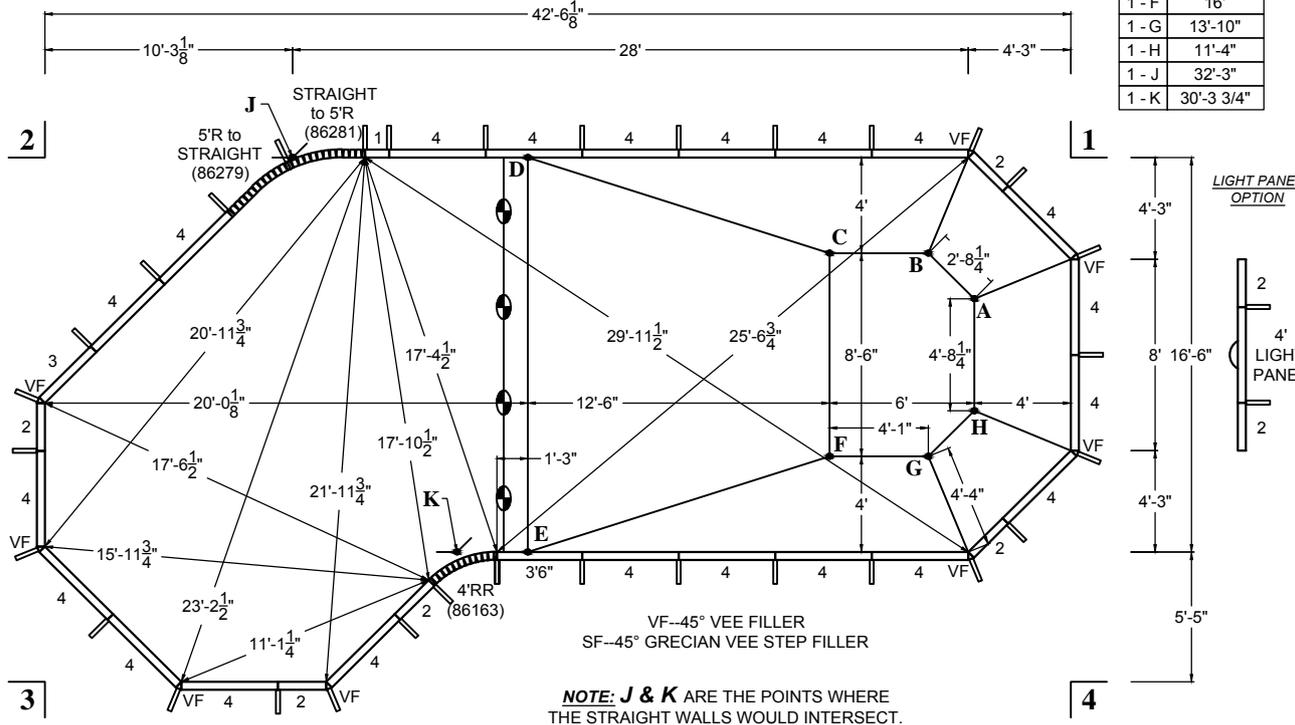
### 45° VEE FILLER



|       |             |
|-------|-------------|
| 2 - A | 38'-11 1/2" |
| 2 - B | 36'-9 3/4"  |
| 2 - C | 32'-9"      |
| 2 - D | 20'-0 1/4"  |
| 2 - E | 25'-11 1/4" |
| 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 |         |

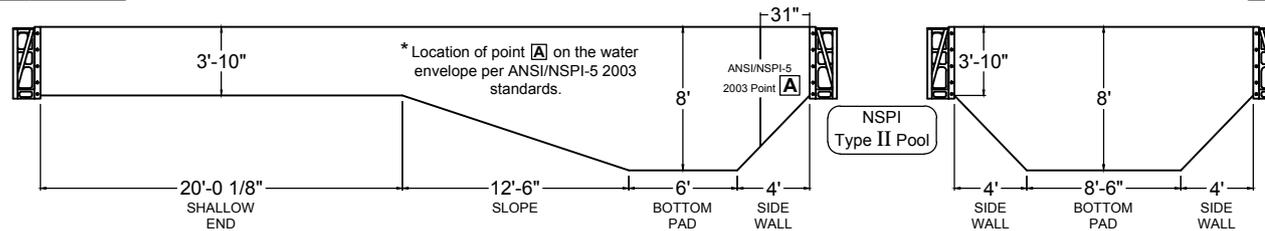
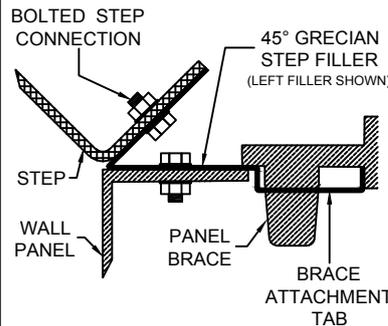
|       |             |
|-------|-------------|
| 1 - A | 7'-1 1/2"   |
| 1 - B | 7'-1 1/2"   |
| 1 - C | 10'-9 1/4"  |
| 1 - D | 22'-6"      |
| 1 - E | 27'-10 3/4" |
| 1 - F | 16'         |
| 1 - G | 13'-10"     |
| 1 - H | 11'-4"      |
| 1 - J | 32'-3"      |
| 1 - K | 30'-3 3/4"  |



|       |             |
|-------|-------------|
| 3 - A | 41'-8 1/2"  |
| 3 - B | 40'-9"      |
| 3 - C | 37'-1 1/2"  |
| 3 - D | 29'-8 1/4"  |
| 3 - E | 20'-8 3/4"  |
| 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"     |

|       |             |
|-------|-------------|
| 4 - A | 16'-6"      |
| 4 - B | 18'-10 1/2" |
| 4 - C | 20'-6 1/4"  |
| 4 - D | 31'-5"      |
| 4 - E | 23'-1 3/4"  |
| 4 - F | 13'-8 3/4"  |
| 4 - G | 11'-1 1/2"  |
| 4 - H | 12'-0 1/4"  |
| 4 - J | 39'         |
| 4 - K | 26'         |

### 45° GRECIAN STEP FILLER

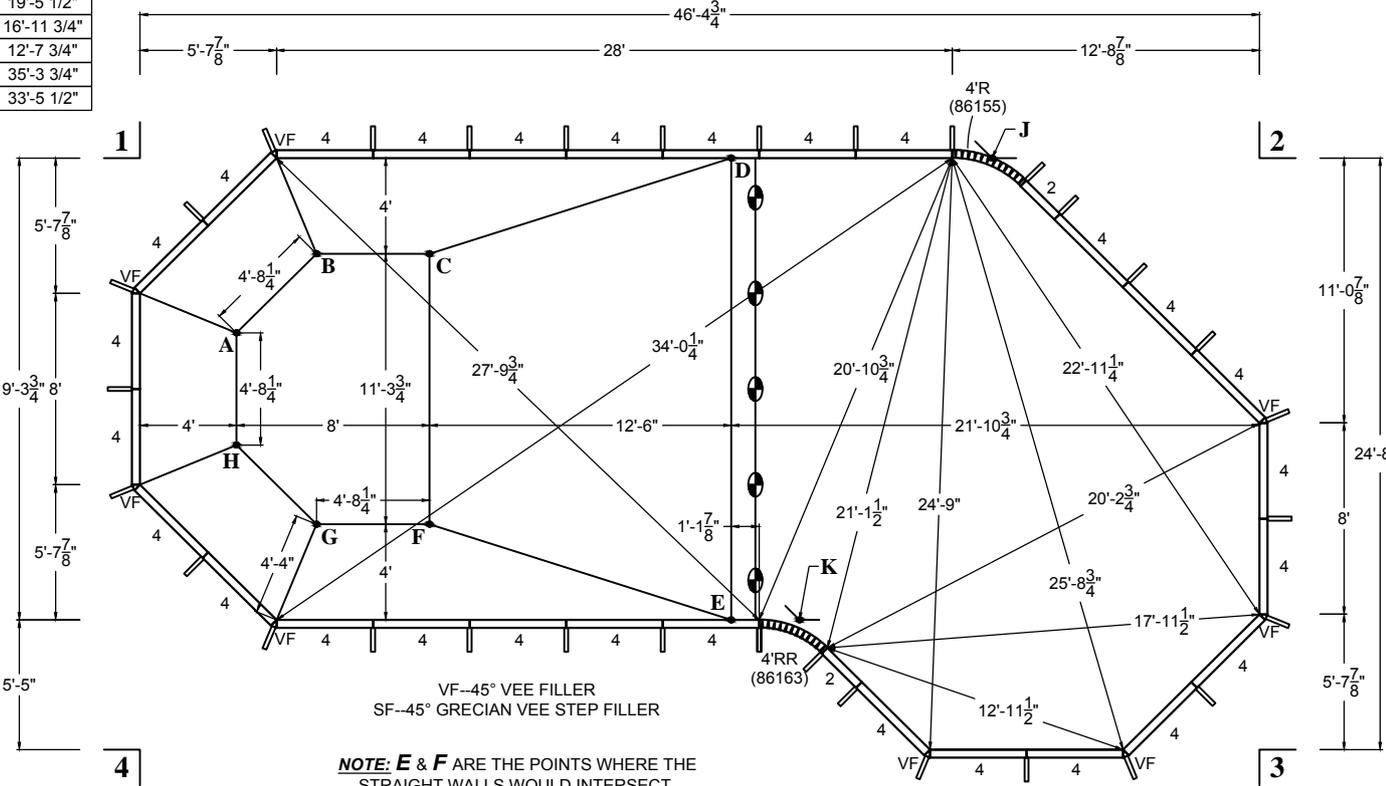
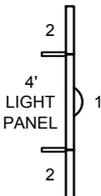


|       |             |
|-------|-------------|
| 1 - A | 8'-4"       |
| 1 - B | 8'-4"       |
| 1 - C | 12'-7 3/4"  |
| 1 - D | 24'-6"      |
| 1 - E | 31'-2 1/4"  |
| 1 - F | 19'-5 1/2"  |
| 1 - G | 16'-11 3/4" |
| 1 - H | 12'-7 3/4"  |
| 1 - J | 35'-3 3/4"  |
| 1 - K | 33'-5 1/2"  |

|       |        |
|-------|--------|
| 1 - 3 | 52'-7" |
| 2 - 4 |        |

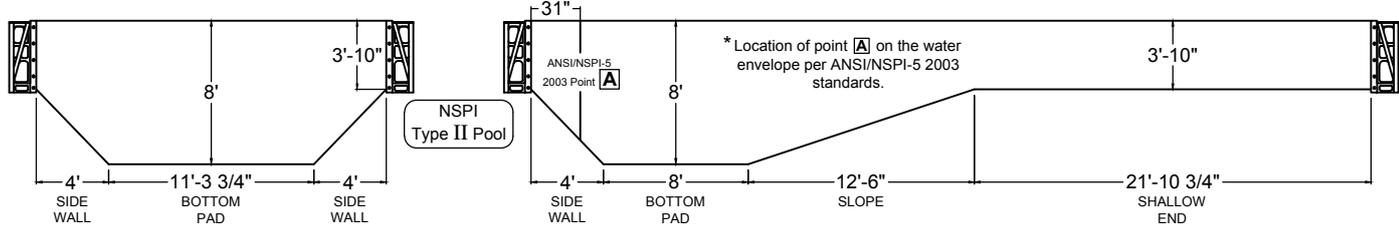
|       |             |       |             |
|-------|-------------|-------|-------------|
| 2 - A | 43'-0 1/4"  | 2 - F | 37'-7 3/4"  |
| 2 - B | 39'-3 1/2"  | 2 - G | 41'-11 3/4" |
| 2 - C | 34'-7 1/2"  | 2 - H | 44'-0 3/4"  |
| 2 - D | 21'-10 3/4" | 2 - J | 11'-1"      |
| 2 - E | 29'-2 1/4"  | 2 - K | 27'-1 3/4"  |

LIGHT PANEL OPTION

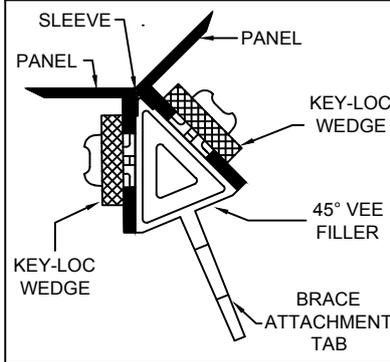


|       |             |
|-------|-------------|
| 4 - A | 17'-10 1/2" |
| 4 - B | 21'-11 3/4" |
| 4 - C | 23'-11 1/2" |
| 4 - D | 34'-9 3/4"  |
| 4 - E | 25'-1"      |
| 4 - F | 15'-3"      |
| 4 - G | 11'-11 1/4" |
| 4 - H | 13'-4 1/4"  |
| 4 - J | 43'-1 1/2"  |
| 4 - K | 27'-10 1/4" |

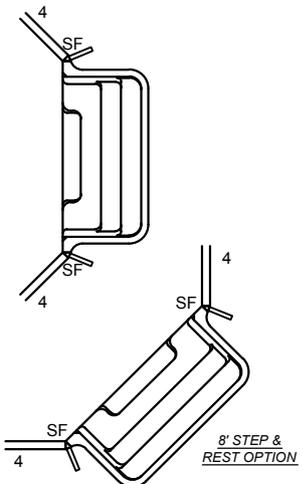
|       |            |       |            |
|-------|------------|-------|------------|
| 3 - A | 45'-10"    | 3 - F | 35'-8"     |
| 3 - B | 44'-2 3/4" | 3 - G | 40'-2 1/2" |
| 3 - C | 40'-2"     | 3 - H | 44'-3 1/4" |
| 3 - D | 33'-0 1/2" | 3 - J | 27'-1 1/4" |
| 3 - E | 22'-6 3/4" | 3 - K | 19'-10"    |



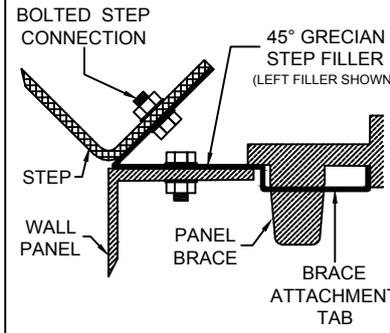
### 45° VEE FILLER



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



### 45° GRECIAN STEP FILLER



# Polymer

## GRECIAN LAZY EL LEFT 19' x 46'

|                   |                       |                |                         |
|-------------------|-----------------------|----------------|-------------------------|
| POOL SURFACE AREA | 875.4 ft <sup>2</sup> | LINER SQ. FT.  | 1104.03 ft <sup>2</sup> |
| POOL VOLUME       | 28900 gal             | POOL PERIMETER | 122'-4"                 |
|                   | 109400 L              |                | 37.28 m                 |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

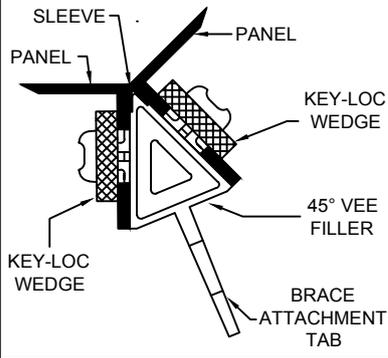
| ITEM DESCRIPTION              | PART #     |
|-------------------------------|------------|
| 2' PLAIN PANEL                | 48102      |
| 4' PLAIN PANEL                | 48106      |
| 4' SKIMMER PANEL              | 48106S     |
| 45 DEGREE VEE FILLER          | 86140      |
| KEY-LOC for VEE FILLER        | 86141      |
| GRECIAN CORNER SLEEVE         | 48140      |
| VERSA-FLEX PANEL              | 48115      |
| 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 4' RADIUS STRAP SET           | 86155S     |
| PUSH NUTS                     | 09115      |
| GRECIAN STEP FILLER - LEFT    | 48142      |
| GRECIAN STEP FILLER - RIGHT   | 48143      |
| BRACE SYSTEM COMPLETE         | 48146      |
| 8' STEP & REST                | 07418SNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
| CHANNEL-LOC SONOTUBE          | 86152      |
| 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

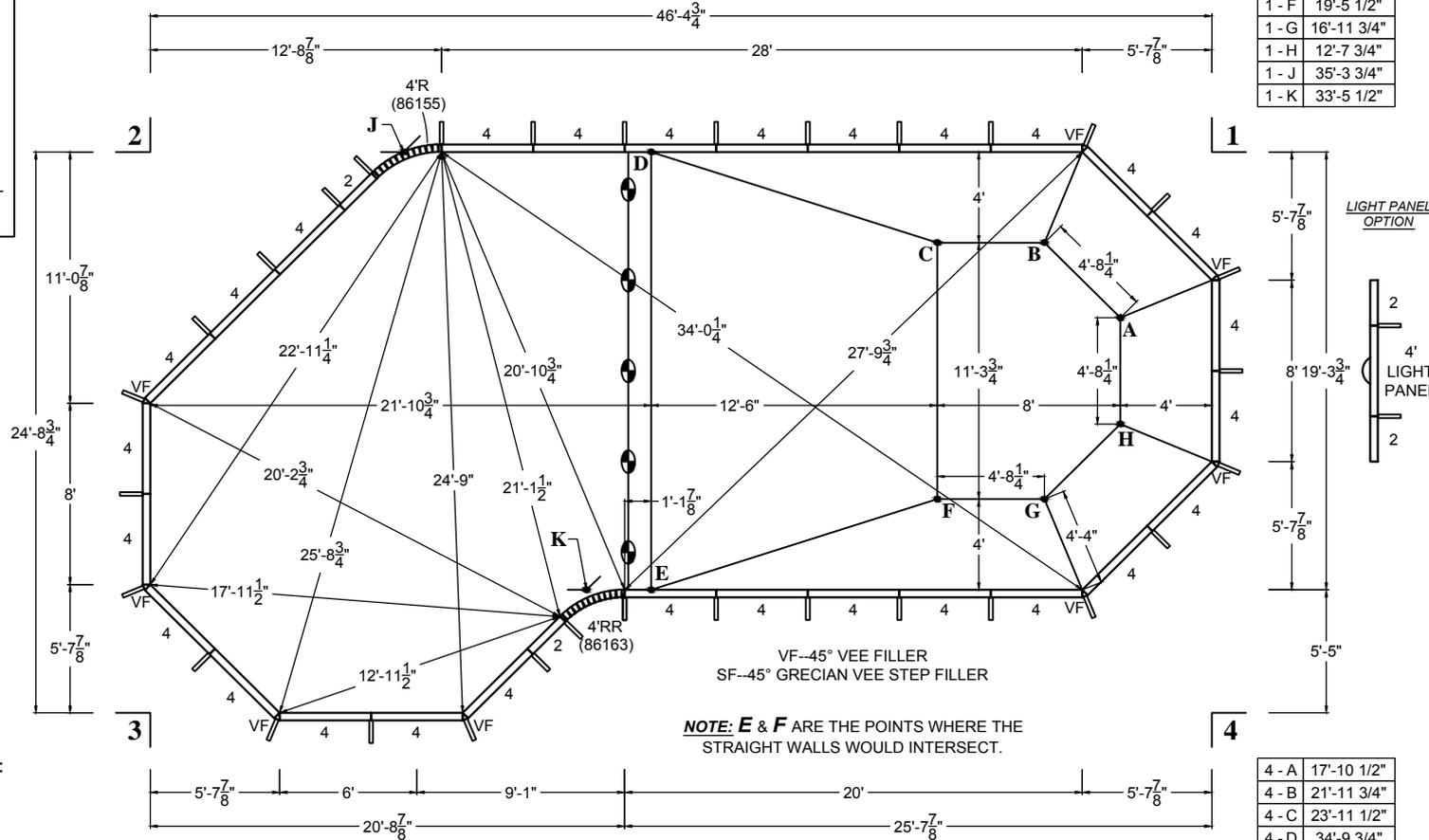
### 45° VEE FILLER



|       |             |       |             |
|-------|-------------|-------|-------------|
| 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 | 21'-10 3/4" | 2 - J | 11'-1"      |
| 2 - E | 29'-2 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 | 24'-6"      |
| 1 - E | 31'-2 1/4"  |
| 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"  |



**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 | 34'-9 3/4"  |
| 4 - E | 25'-1"      |
| 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" |

# Polymer

## GRECIAN LAZY EL RIGHT 19' x 46'

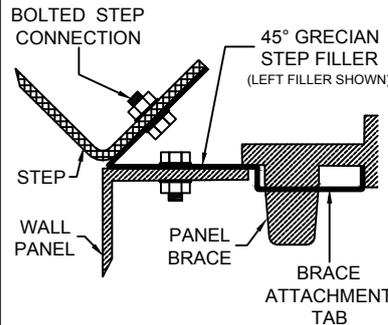
|                   |   |                       |                |   |                         |
|-------------------|---|-----------------------|----------------|---|-------------------------|
| POOL SURFACE AREA | → | 875.4 ft <sup>2</sup> | LINER SQ. FT.  | → | 1104.03 ft <sup>2</sup> |
|                   |   | 81.3 m <sup>2</sup>   |                |   |                         |
| POOL VOLUME       | → | 28900 gal             | POOL PERIMETER | → | 122'-4"                 |
|                   |   | 109400 L              |                |   | 37.28 m                 |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

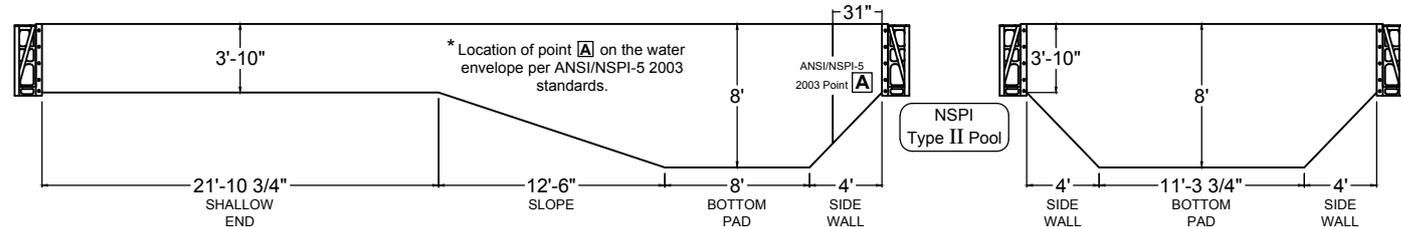
| 8' CENTER STEP | 8' OFFSET STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|----------------|----------------|---------|-------------------------------|------------|
| 2              | 2              | 2       | 2' PLAIN PANEL                | 48102      |
| 24             | 24             | 26      | 4' PLAIN PANEL                | 48106      |
| 2              | 2              | 2       | 4' SKIMMER PANEL              | 48106S     |
| 30             | 30             | 40      | 45 DEGREE VEE FILLER          | 86140      |
| 60             | 60             | 80      | KEY-LOC for VEE FILLER        | 86141      |
| 6              | 6              | 8       | GRECIAN CORNER SLEEVE         | 48140      |
| 2              | 2              | 2       | VERSA-FLEX PANEL              | 48115      |
| 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    | 48142      |
| 1              | 1              |         | GRECIAN STEP FILLER - RIGHT   | 48143      |
| 31             | 31             | 32      | BRACE SYSTEM COMPLETE         | 48146      |
| 1              | 1              |         | 8' STEP & REST                | 07418SNR48 |
| 28*            | 28*            |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 28*            | 28*            |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|                |                |         | CHANNEL-LOC SONOTUBE          | 86152      |
|                |                |         | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - use bolts at step connection

### 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 | 33'-0 1/2" | 3 - J | 27'-1 1/4" |
| 3 - E | 22'-6 3/4" | 3 - K | 19'-10"    |



- 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 A.N.S.I. / N.S.P.I. suggested standards.

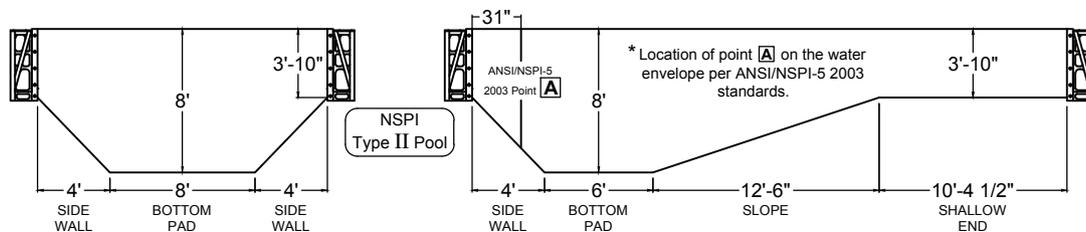
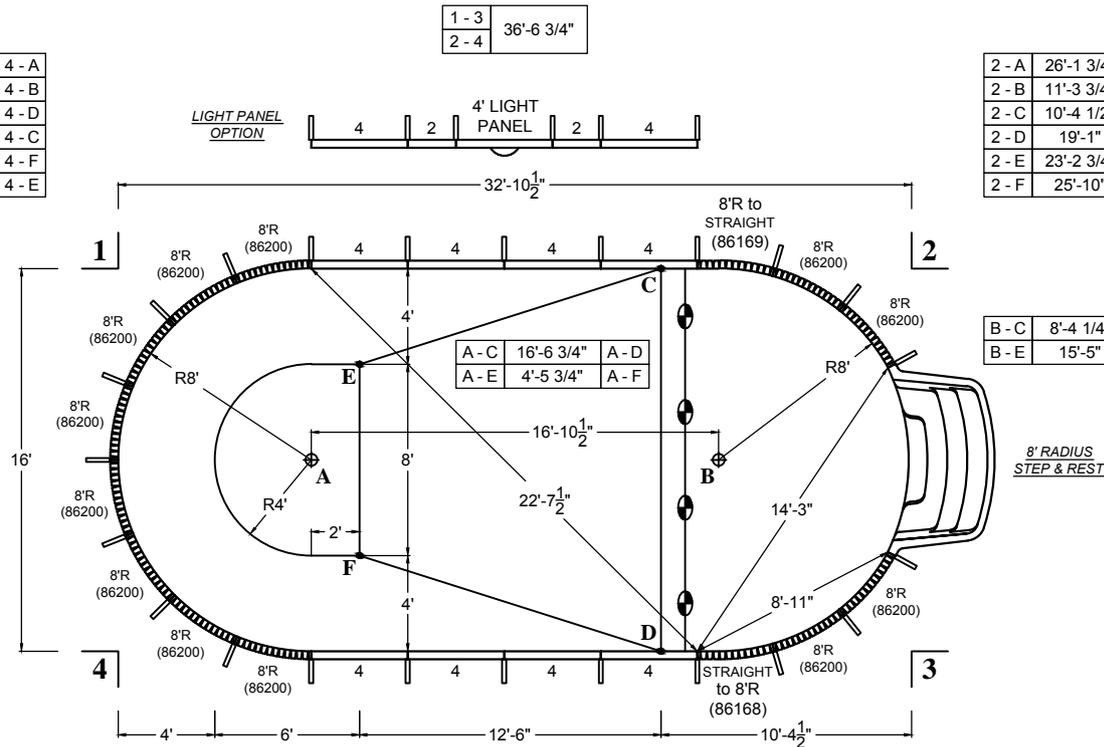
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

|       |            |       |
|-------|------------|-------|
| 1 - A | 11'-3 3/4" | 4 - A |
| 1 - B | 26'-1 3/4" | 4 - B |
| 1 - C | 22'-6"     | 4 - D |
| 1 - D | 27'-7 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 | 10'-4 1/2" | 3 - D |
| 2 - D | 19'-1"     | 3 - C |
| 2 - E | 23'-2 3/4" | 3 - F |
| 2 - F | 25'-10"    | 3 - E |

|       |           |       |
|-------|-----------|-------|
| B - C | 8'-4 1/4" | B - D |
| B - E | 15'-5"    | B - F |



|                    |  |                 |                          |
|--------------------|--|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 471.2 ft <sup>2</sup><br>43.8 m <sup>2</sup> | LINER SQ. FT.   | → 526.00 ft <sup>2</sup> |
| PPOOL VOLUME       | → 16700 gal<br>63200 L                         | PPOOL PERIMETER | → 84'-1"<br>25.63 m      |

### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION                | PART #      |
|---------------------------------|-------------|
| 2' PLAIN PANEL                  | 48102       |
| 4' PLAIN PANEL                  | 48106       |
| 4' SKIMMER PANEL                | 48106S      |
| VERSA-FLEX PANEL                | 48115       |
| 8' RADIUS STRAP SET             | 86200S      |
| STRAIGHT to 8' RADIUS STRAP SET | 86168S      |
| 8' RADIUS to STRAIGHT STRAP SET | 86169S      |
| PUSH NUTS                       | 09115       |
| BRACE SYSTEM COMPLETE           | 48146       |
| 8' RADIUS STEP & REST           | 07418RSNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
| CHANNEL-LOC SONOTUBE            | 86152       |
| 4' STANDARD LIGHT PANEL         | 48106L      |

\* - use bolts at step connection

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

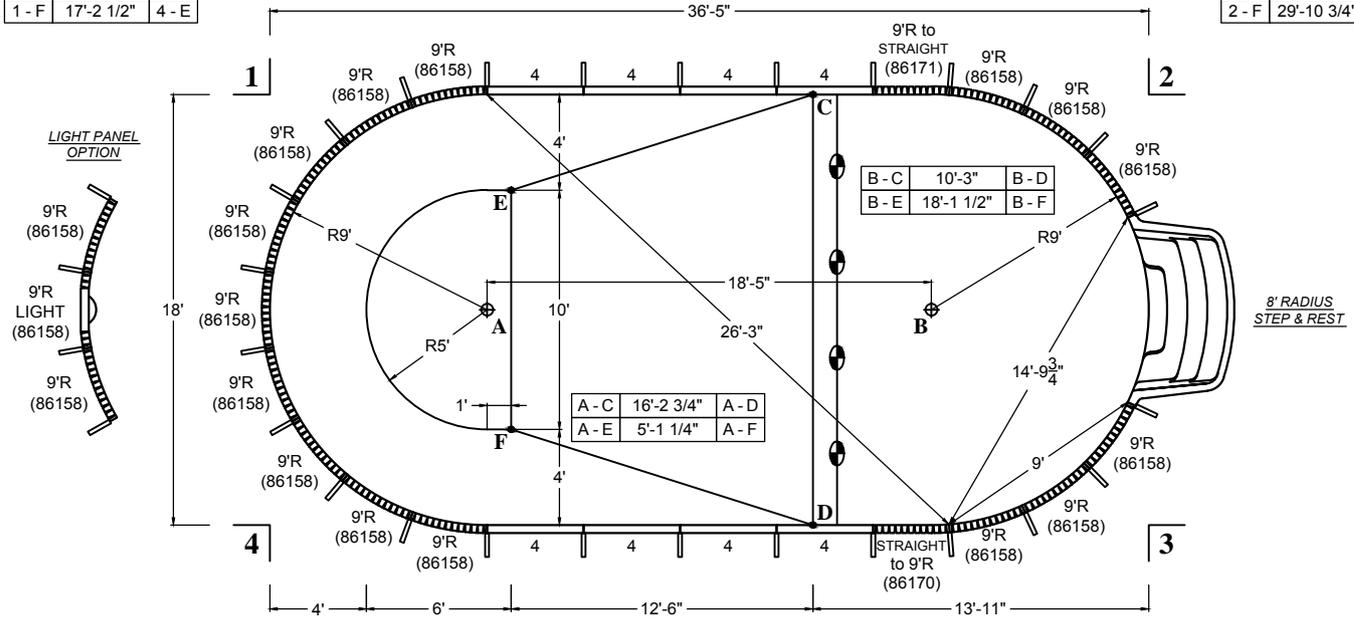
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 22'-6"      | 4 - D |
| 1 - D | 28'-9 3/4"  | 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 | 13'-11"     | 3 - D |
| 2 - D | 22'-9"      | 3 - C |
| 2 - E | 26'-8 1/2"  | 3 - F |
| 2 - F | 29'-10 3/4" | 3 - E |

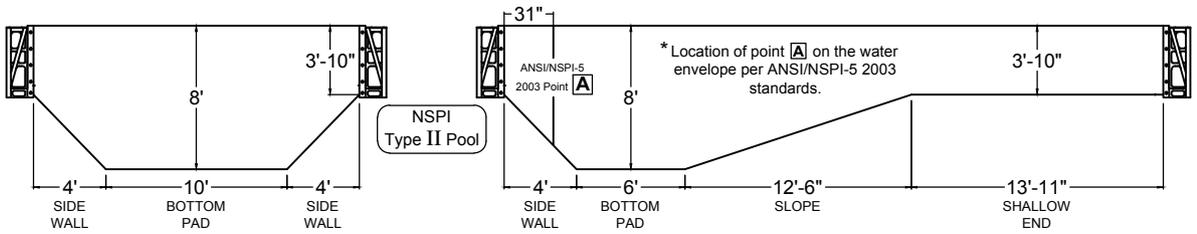


### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 7                | 4' PLAIN PANEL 48106                   |
| 1                | 4' SKIMMER PANEL 48106S                |
| 17               | VERSA-FLEX PANEL 48115                 |
| 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                        |
| 26               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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



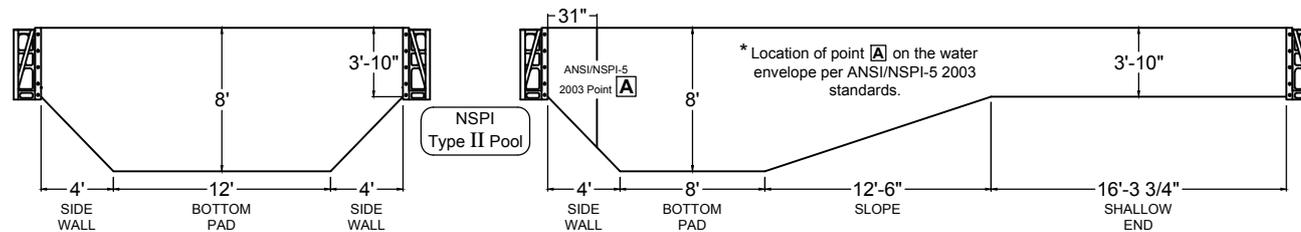
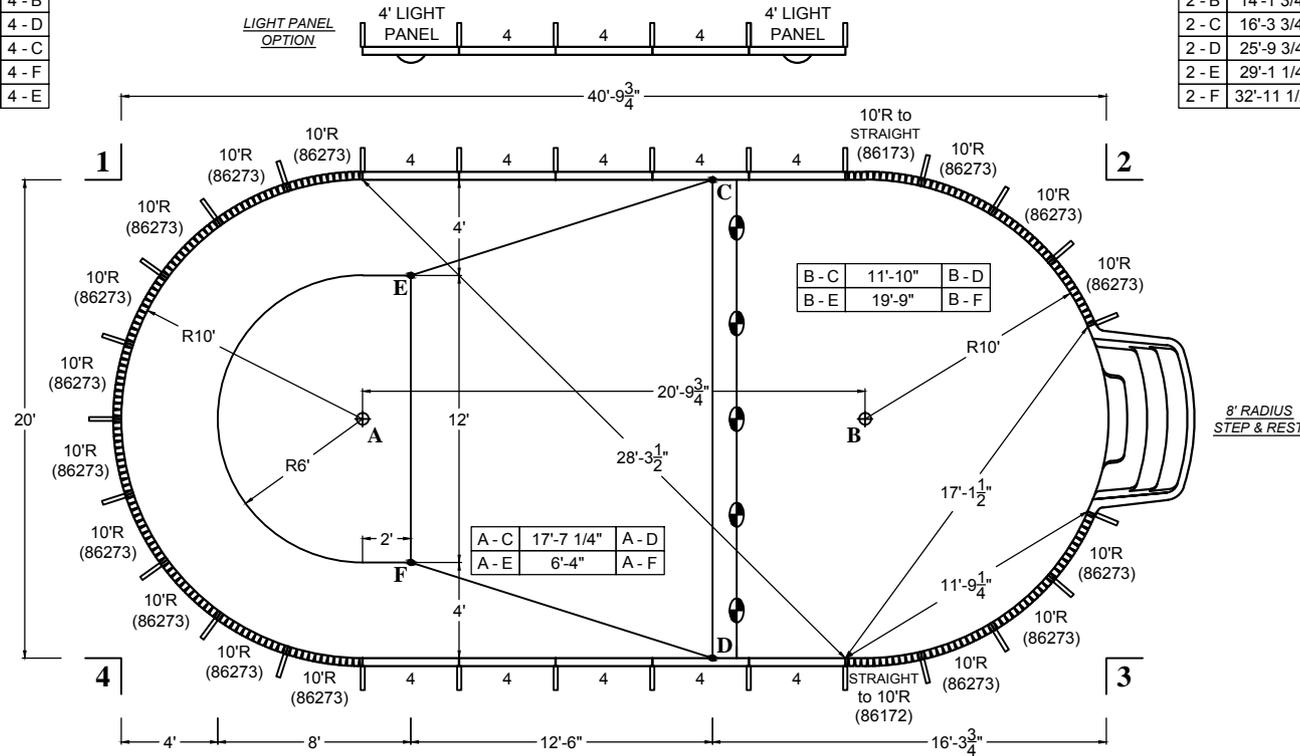
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 14'-1 3/4" | 4 - A |
| 1 - B | 32'-4 3/4" | 4 - B |
| 1 - C | 24'-6"     | 4 - D |
| 1 - D | 31'-7 1/2" | 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 | 16'-3 3/4"  | 3 - D |
| 2 - D | 25'-9 3/4"  | 3 - C |
| 2 - E | 29'-1 1/4"  | 3 - F |
| 2 - F | 32'-11 1/2" | 3 - E |



|                    |                         |                 |                          |
|--------------------|-------------------------|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 730.5 ft <sup>2</sup> | LINER SQ. FT.   | → 816.25 ft <sup>2</sup> |
| PPOOL VOLUME       | → 25400 gal             | PPOOL PERIMETER | → 104'-6"                |
|                    | 96100 L                 |                 | 31.85 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION                 | PART #      |
|----------------------------------|-------------|
| 4' PLAIN PANEL                   | 48106       |
| 4' SKIMMER PANEL                 | 48106S      |
| VERSA-FLEX PANEL                 | 48115       |
| 10' RADIUS STRAP SET             | 86273S      |
| STRAIGHT to 10' RADIUS STRAP SET | 86172S      |
| 10' RADIUS to STRAIGHT STRAP SET | 86173S      |
| PUSH NUTS                        | 09115       |
| BRACE SYSTEM COMPLETE            | 48146       |
| 8' RADIUS STEP & REST            | 07418RSNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT    | 148838      |
| 3/8"-16 HEX WASHER HEAD NUT      | 149664      |
| CHANNEL-LOC SONOTUBE             | 86152       |
| 4' STANDARD LIGHT PANEL          | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

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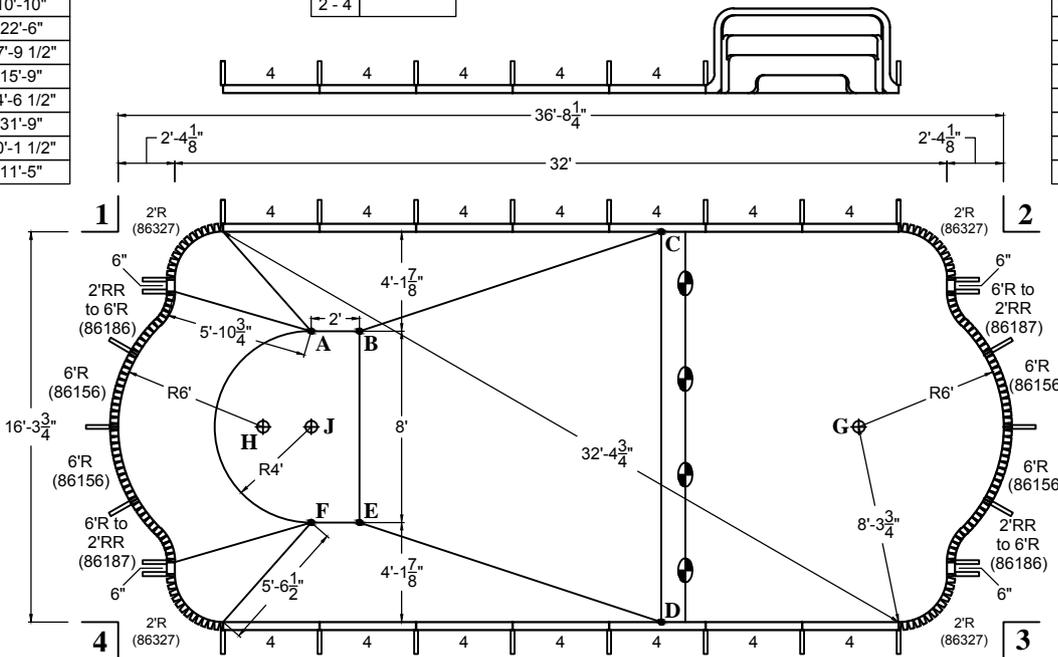
|       |            |
|-------|------------|
| 1 - A | 9'-0 1/4"  |
| 1 - B | 10'-10"    |
| 1 - C | 22'-6"     |
| 1 - D | 27'-9 1/2" |
| 1 - E | 15'-9"     |
| 1 - F | 14'-6 1/2" |
| 1 - G | 31'-9"     |
| 1 - H | 10'-1 1/2" |
| 1 - J | 11'-5"     |

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

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

|       |             |
|-------|-------------|
| 2 - A | 28'-11 3/4" |
| 2 - B | 27'         |
| 2 - C | 14'-2 1/4"  |
| 2 - D | 21'-7 1/2"  |
| 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"  |

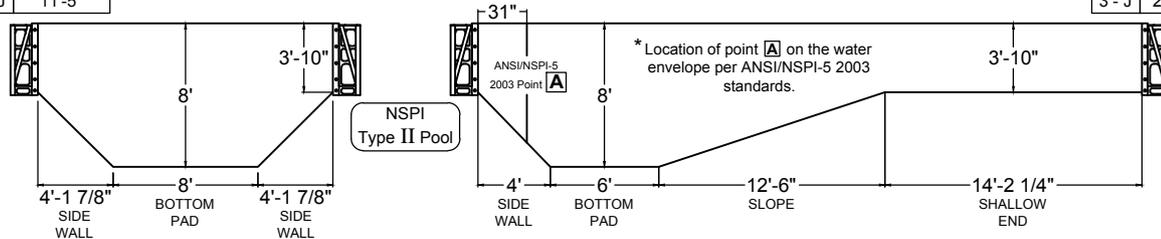
|       |            |
|-------|------------|
| H - A | 4'-5 3/4"  |
| H - B | 5'-8"      |
| H - C | 18'-4 3/4" |
| H - D | 18'-4 3/4" |
| H - E | 5'-8"      |
| H - F | 4'-5 3/4"  |
| H - G | 24'-8 1/4" |
| H - J | 2'         |



|       |            |
|-------|------------|
| G - A | 23'-0 1/2" |
| G - B | 21'-0 3/4" |
| G - C | 11'-6 3/4" |
| G - D | 11'-6 3/4" |
| 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 | 27'-9 1/2" |
| 4 - D | 22'-6"     |
| 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 | 21'-7 1/2"  |
| 3 - D | 14'-2 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"  |



|                   |                       |                |                          |
|-------------------|-----------------------|----------------|--------------------------|
| POOL SURFACE AREA | 550.0 ft <sup>2</sup> | LINER SQ. FT.  | 598.4648 ft <sup>2</sup> |
| POOL VOLUME       | 18700 gal             | POOL PERIMETER | 95'-8"                   |
|                   | 70800 L               |                | 29.16 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' SIDE STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|--------------|---------|-------------------------------|------------|
| 4            | 4       | 6" PLAIN PANEL                | 48100      |
| 11           | 13      | 4' PLAIN PANEL                | 48106      |
| 1            | 1       | 4' SKIMMER PANEL              | 48106S     |
| 12           | 12      | VERSA-FLEX PANEL              | 48115      |
| 4            | 4       | 6' RADIUS STRAP SET           | 86156S     |
| 4            | 4       | 2' RADIUS STRAP SET           | 86327S     |
| 2            | 2       | 2'RR to 6'R STRAP SET         | 86186S     |
| 2            | 2       | 6'R to 2'RR STRAP SET         | 86187S     |
| 312          | 312     | PUSH NUTS                     | 09115      |
| 29           | 30      | BRACE SYSTEM COMPLETE         | 48146      |
| 1            |         | 8' STEP & REST                | 07418SNR48 |
| 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*          |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|              |         | CHANNEL-LOC SONOTUBE          | 86152      |
|              |         | 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 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.
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|                      |  |                   |                            |
|----------------------|--|-------------------|----------------------------|
| POLYMER SURFACE AREA | → 772.4 ft <sup>2</sup><br>71.7 m <sup>2</sup> | LINER SQ. FT.     | → 843.1871 ft <sup>2</sup> |
| POLYMER VOLUME       | → 25700 gal<br>97300 L                         | POLYMER PERIMETER | → 112'<br>34.13 m          |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

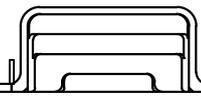
| 8' RADIUS STEP | 8' SIDE STEP | NO STEP | ITEM DESCRIPTION                | PART #      |
|----------------|--------------|---------|---------------------------------|-------------|
| 2              | 4            | 4       | 1' PLAIN PANEL                  | 48101       |
| 2              |              |         | 2'6" PLAIN PANEL                | 48103       |
| 12             | 12           | 14      | 4' PLAIN PANEL                  | 48106       |
| 2              | 2            | 2       | 4' SKIMMER PANEL                | 48106S      |
| 13             | 14           | 14      | VERSA-FLEX PANEL                | 48115       |
| 3              | 6            | 6       | 8' RADIUS STRAP SET             | 86200S      |
| 2              | 4            | 4       | 2' RADIUS STRAP SET             | 86327S      |
| 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           | 86196S      |
| 1              |              |         | 2'RR to 2'R STRAP SET           | 86197S      |
| 1              |              |         | STRAIGHT to 2'R STRAP SET       | 86198S      |
| 1              |              |         | 2'R to STRAIGHT STRAP SET       | 86199S      |
| 338            | 364          | 364     | PUSH NUTS                       | 09115       |
| 32             | 33           | 34      | BRACE SYSTEM COMPLETE           | 48146       |
| 1              |              |         | 8' RADIUS STEP & REST           | 07418RSNR48 |
|                | 1            |         | 8' STEP & REST                  | 07418SNR48  |
| 14*            | 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*            | 14*          |         | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                |              |         | CHANNEL-LOC SONOTUBE            | 86152       |
|                |              |         | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - use bolts at step connection

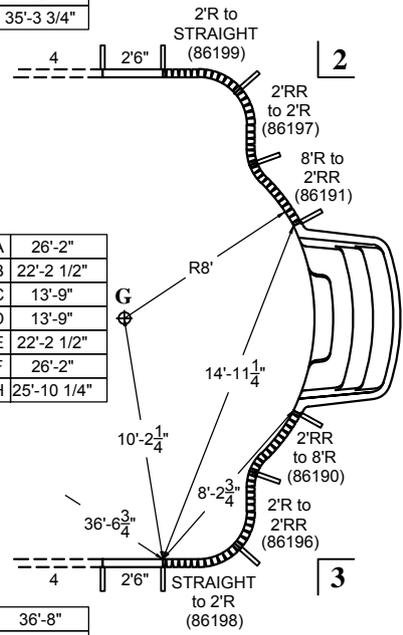
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 10" to the shallow side of the point of first slope change.
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8' STEP & REST - SIDE STEP OPTION  
(RIGHT SIDE STEP SHOWN)



8' RADIUS STEP & REST OPTION



|       |             |
|-------|-------------|
| 1 - A | 10'-0 1/2"  |
| 1 - B | 13'-5 1/4"  |
| 1 - C | 24'-6"      |
| 1 - D | 31'-8 1/2"  |
| 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 |            |

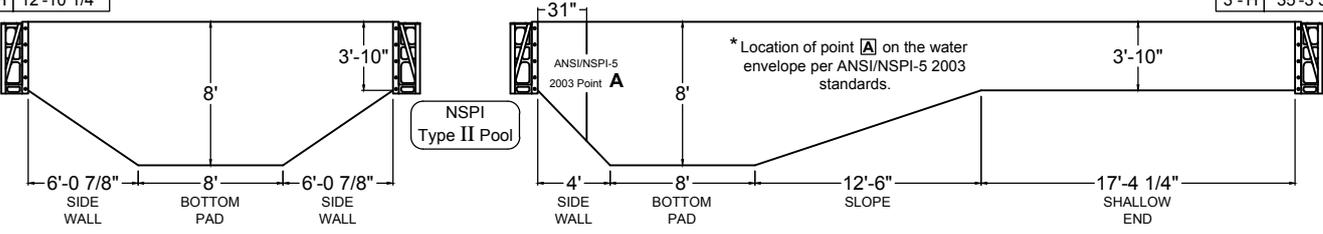
|       |             |
|-------|-------------|
| H - A | 4'          |
| H - B | 5'-8"       |
| H - C | 19'-4"      |
| H - D | 19'-4"      |
| H - E | 5'-8"       |
| H - F | 4'          |
| H - G | 25'-10 1/4" |

|       |             |
|-------|-------------|
| 4 - A | 16'-2 1/4"  |
| 4 - B | 18'-6"      |
| 4 - C | 31'-8 1/2"  |
| 4 - D | 24'-6"      |
| 4 - E | 13'-5 1/4"  |
| 4 - F | 10'-0 1/2"  |
| 4 - G | 35'-3 3/4"  |
| 4 - H | 12'-10 1/4" |

|       |             |
|-------|-------------|
| 2 - A | 34'-4 3/4"  |
| 2 - B | 30'-5 1/2"  |
| 2 - C | 17'-4 1/4"  |
| 2 - D | 26'-7"      |
| 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 | 13'-9"      |
| G - D | 13'-9"      |
| 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 | 26'-7"      |
| 3 - D | 17'-4 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"  |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

NSPI Type II Pool

## ROMAN END LAZY EL LEFT 16' x 42'

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 646.2 ft <sup>2</sup><br>60.0 m <sup>2</sup> | LINER SQ. FT.  | → 806.1094 ft <sup>2</sup> |
| POOL VOLUME       | → 21200 gal<br>80200 L                         | POOL PERIMETER | → 107'-2"<br>32.66 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' SIDE STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|--------------|---------|-------------------------------|------------|
| 4            | 4       | 6" PLAIN PANEL                | 48100      |
| 2            | 2       | 1' PLAIN PANEL                | 48101      |
| 10           | 12      | 4' PLAIN PANEL                | 48106      |
| 2            | 2       | 4' SKIMMER PANEL              | 48106S     |
| 15           | 15      | VERSA-FLEX PANEL              | 48115      |
| 2            | 2       | 8' RADIUS STRAP SET           | 86200S     |
| 4            | 4       | 6' RADIUS STRAP SET           | 86156S     |
| 4            | 4       | 2' RADIUS STRAP SET           | 86327S     |
| 1            | 1       | 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 2            | 2       | 2'RR to 6'R STRAP SET         | 86186S     |
| 2            | 2       | 6'R to 2'RR STRAP SET         | 86187S     |
| 390          | 390     | PUSH NUTS                     | 09115      |
| 34           | 35      | BRACE SYSTEM COMPLETE         | 48146      |
| 1            |         | 8' STEP & REST                | 07418SNR48 |
| 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*          |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|              |         | CHANNEL-LOC SONOTUBE          | 86152      |
|              |         | 4' STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 22'-6"     |
| 1 - D | 27'-9 1/2" |
| 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 |         |

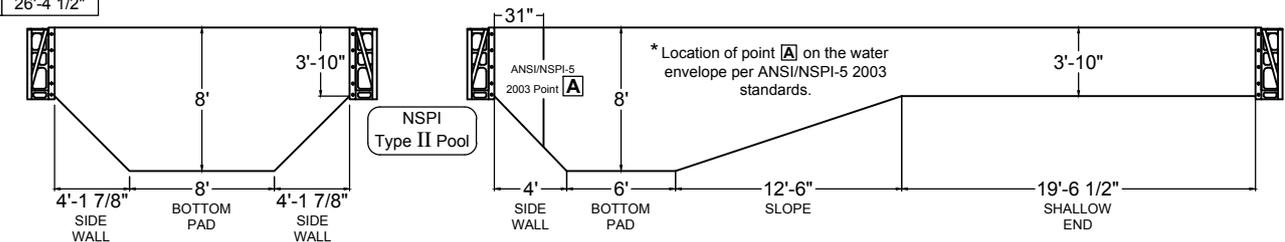
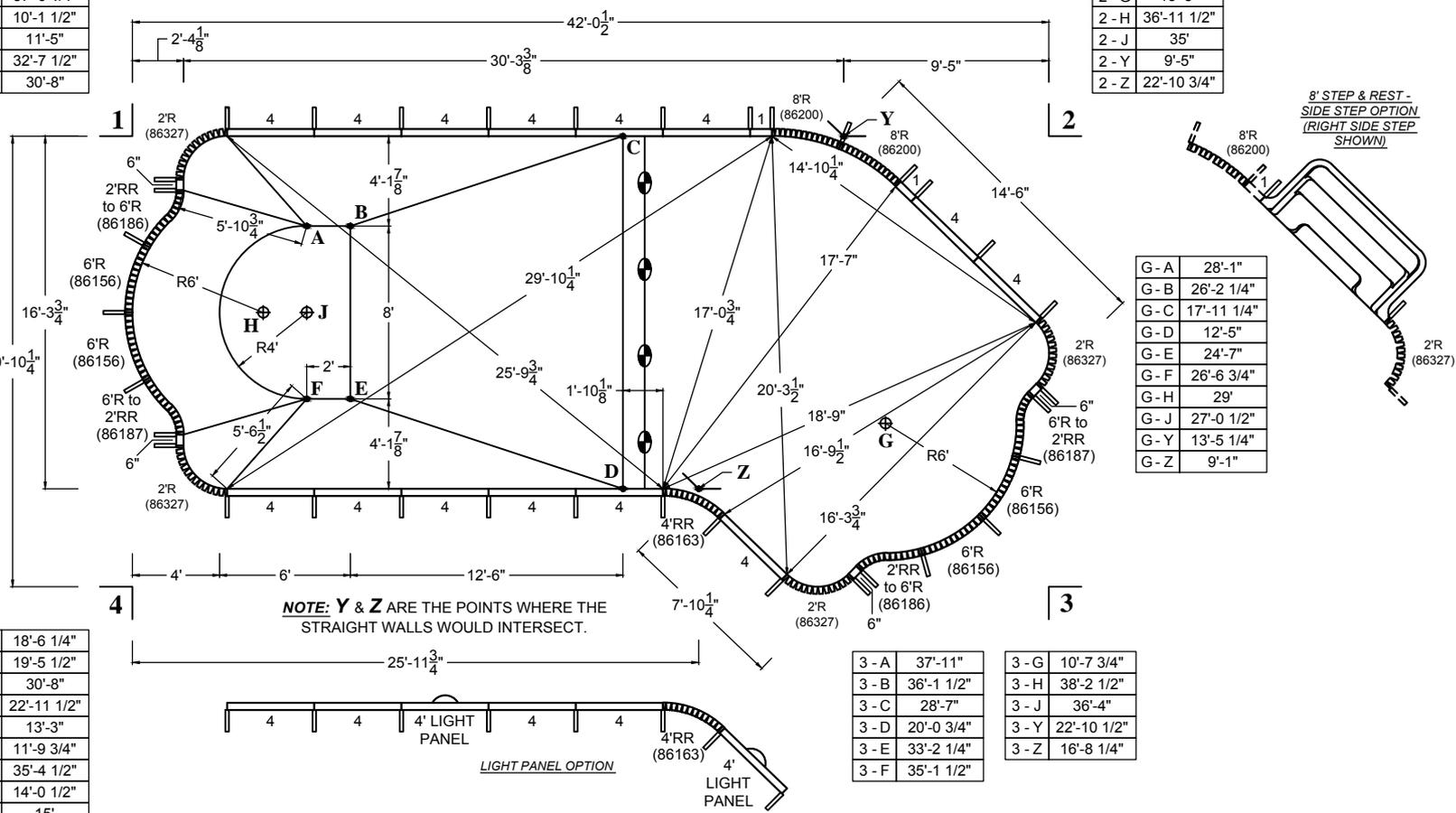
|       |             |
|-------|-------------|
| 2 - A | 34'-3 1/2"  |
| 2 - B | 32'-3 3/4"  |
| 2 - C | 19'-6 1/2"  |
| 2 - D | 25'-5 1/2"  |
| 2 - E | 34'-3 1/4"  |
| 2 - F | 36'-1 3/4"  |
| 2 - G | 15'-3"      |
| 2 - H | 36'-11 1/2" |
| 2 - J | 35'         |
| 2 - Y | 9'-5"       |
| 2 - Z | 22'-10 3/4" |

|       |             |
|-------|-------------|
| H - A | 4'-5 3/4"   |
| H - B | 5'-8"       |
| H - C | 18'-4 3/4"  |
| H - D | 18'-4 3/4"  |
| 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"      |

|       |             |
|-------|-------------|
| 4 - A | 18'-6 1/4"  |
| 4 - B | 19'-5 1/2"  |
| 4 - C | 30'-8"      |
| 4 - D | 22'-11 1/2" |
| 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"  |

|       |            |
|-------|------------|
| 3 - A | 37'-11"    |
| 3 - B | 36'-1 1/2" |
| 3 - C | 28'-7"     |
| 3 - D | 20'-0 3/4" |
| 3 - E | 33'-2 1/4" |
| 3 - F | 35'-1 1/2" |

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



## ROMAN END LAZY EL RIGHT 16' x 42'

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 646.2 ft <sup>2</sup><br>60.0 m <sup>2</sup> | LINER SQ. FT.  | → 806.1094 ft <sup>2</sup> |
| POOL VOLUME       | → 21200 gal<br>80200 L                         | POOL PERIMETER | → 107'-2"<br>32.66 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8" SIDE STEP | NO STEP | ITEM DESCRIPTION              | PART #     |
|--------------|---------|-------------------------------|------------|
| 4            | 4       | 6" PLAIN PANEL                | 48100      |
| 2            | 2       | 1" PLAIN PANEL                | 48101      |
| 10           | 12      | 4" PLAIN PANEL                | 48106      |
| 2            | 2       | 4" SKIMMER PANEL              | 48106S     |
| 15           | 15      | VERSA-FLEX PANEL              | 48115      |
| 2            | 2       | 8' RADIUS STRAP SET           | 86200S     |
| 4            | 4       | 6' RADIUS STRAP SET           | 86156S     |
| 4            | 4       | 2' RADIUS STRAP SET           | 86327S     |
| 1            | 1       | 4' REVERSE RADIUS STRAP SET   | 86163S     |
| 2            | 2       | 2"RR to 6'R STRAP SET         | 86186S     |
| 2            | 2       | 6'R to 2"RR STRAP SET         | 86187S     |
| 390          | 390     | PUSH NUTS                     | 09115      |
| 34           | 35      | BRACE SYSTEM COMPLETE         | 48146      |
| 1            |         | 8" STEP & REST                | 07418SNR48 |
| 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT | 148838     |
| 14*          |         | 3/8"-16 HEX WASHER HEAD NUT   | 149664     |
|              |         | CHANNEL-LOC SONOTUBE          | 86152      |
|              |         | 4" STANDARD LIGHT PANEL       | 48106L     |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 19'-6 1/2"  |
| 2 - D | 25'-5 1/2"  |
| 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 | 22'-6"     |
| 1 - D | 27'-9 1/2" |
| 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 | 17'-11 1/4" |
| G - D | 12'-5"      |
| 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"       |

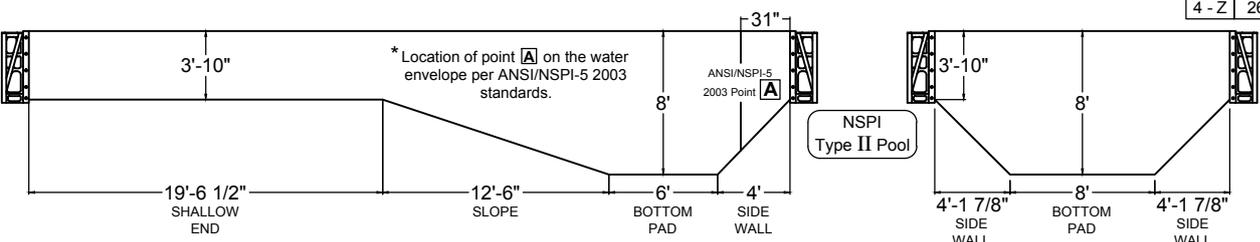
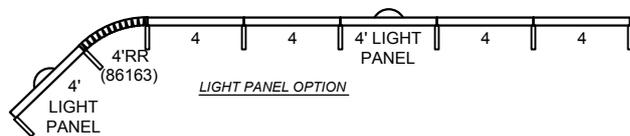
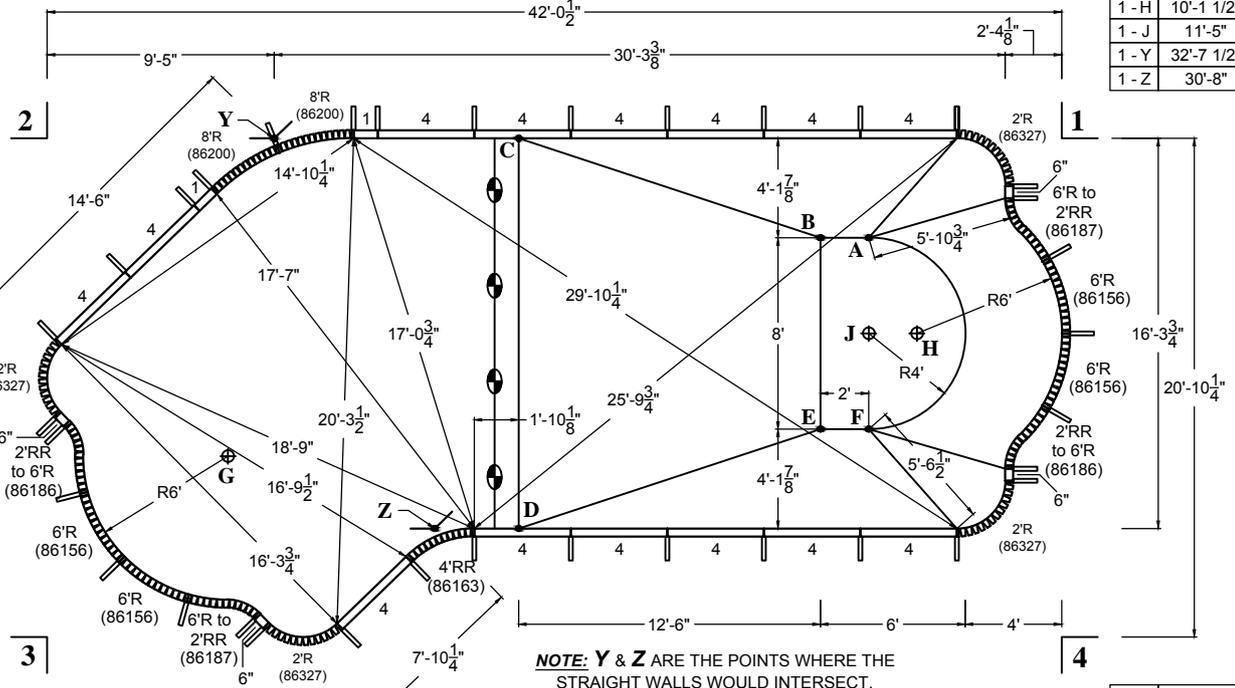
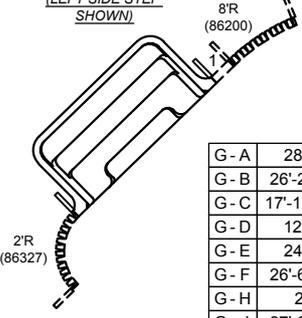
|       |             |
|-------|-------------|
| H - A | 4'-5 3/4"   |
| H - B | 5'-8"       |
| H - C | 18'-4 3/4"  |
| H - D | 18'-4 3/4"  |
| H - E | 5'-8"       |
| H - F | 4'-5 3/4"   |
| H - G | 29'         |
| H - J | 2'          |
| H - Y | 27'-10 1/4" |
| H - Z | 21'-7"      |

|       |            |
|-------|------------|
| 3 - A | 37'-11"    |
| 3 - B | 36'-1 1/2" |
| 3 - C | 28'-7"     |
| 3 - D | 20'-0 3/4" |
| 3 - E | 33'-2 1/4" |
| 3 - F | 35'-1 1/2" |

|       |             |
|-------|-------------|
| 3 - G | 10'-7 3/4"  |
| 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 | 30'-8"      |
| 4 - D | 22'-11 1/2" |
| 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)



## ROMAN END LAZY EL LEFT 18' x 45'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | 769.2 ft <sup>2</sup><br>71.4 m <sup>2</sup> | LINER SQ. FT.  | 964.7092 ft <sup>2</sup> |
| POOL VOLUME       | 24850 gal<br>94000 L                         | POOL PERIMETER | 115'-4"<br>35.15 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' RADIUS STEP | 8' SIDE STEP | NO STEP | ITEM DESCRIPTION                | PART #      |
|----------------|--------------|---------|---------------------------------|-------------|
| 2              | 2            | 2       | 6" PLAIN PANEL                  | 48100       |
| 1              |              |         | 1' PLAIN PANEL                  | 48101       |
| 1              | 2            |         | 2' PLAIN PANEL                  | 48102       |
| 12             | 11           | 14      | 4' PLAIN PANEL                  | 48106       |
| 2              | 2            | 2       | 4' SKIMMER PANEL                | 48106S      |
| 15             | 16           | 16      | VERSA-FLEX PANEL                | 48115       |
| 3              | 6            | 6       | 8' RADIUS STRAP SET             | 86200S      |
| 1              | 1            | 1       | 4' RADIUS STRAP SET             | 86155S      |
| 2              | 4            | 4       | 2' RADIUS STRAP SET             | 86327S      |
| 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      |
| 390            | 416          | 416     | PUSH NUTS                       | 09115       |
| 34             | 34           | 34      | BRACE SYSTEM COMPLETE           | 48146       |
| 1              |              |         | 8' RADIUS STEP & REST           | 07418RSNR48 |
|                | 1            |         | 8' STEP & REST                  | 07418SNR48  |
| 14*            | 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*            | 14*          |         | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                |              |         | CHANNEL-LOC SONOTUBE            | 86152       |
|                |              |         | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 23'-6"     |
| 1 - D | 29'-8 1/4" |
| 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 | 21'-4"      |
| 2 - D | 28'         |
| 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"  |

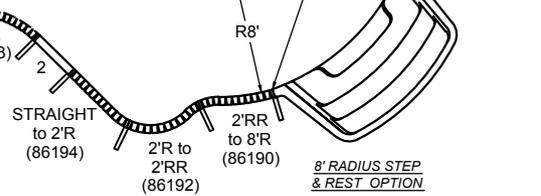
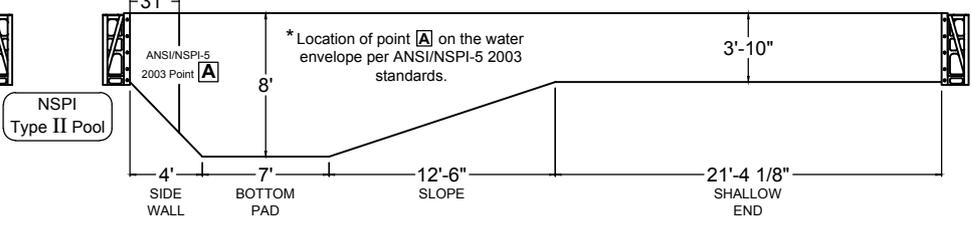
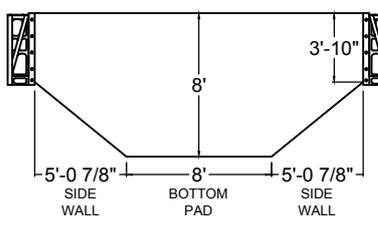
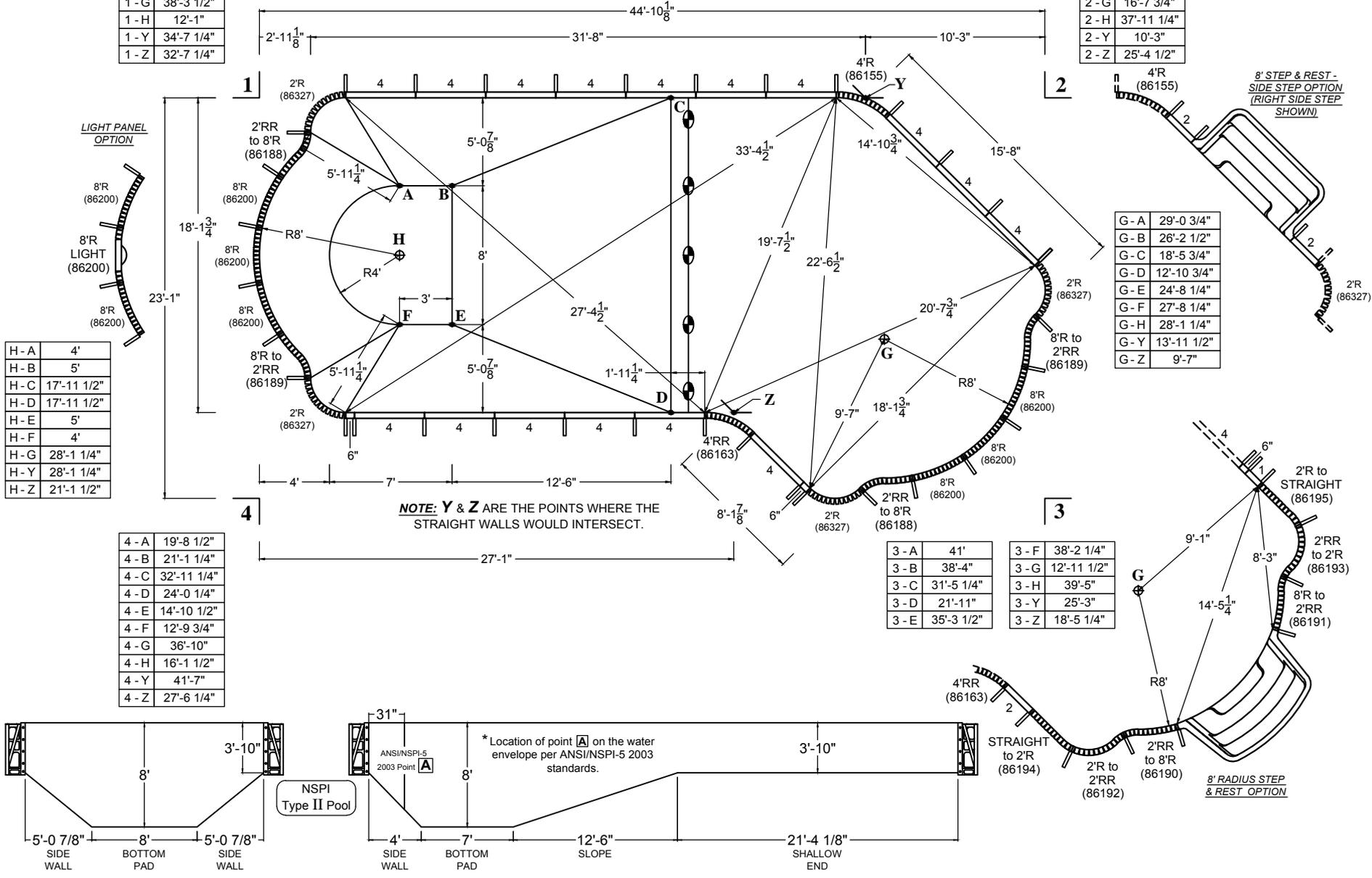
|       |             |
|-------|-------------|
| G - A | 29'-0 3/4"  |
| G - B | 26'-2 1/2"  |
| G - C | 18'-5 3/4"  |
| G - D | 12'-10 3/4" |
| G - E | 24'-8 1/4"  |
| G - F | 27'-8 1/4"  |
| G - H | 28'-1 1/4"  |
| G - Y | 13'-11 1/2" |
| G - Z | 9'-7"       |

|       |             |
|-------|-------------|
| H - A | 4'          |
| H - B | 5'          |
| H - C | 17'-11 1/2" |
| H - D | 17'-11 1/2" |
| 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 | 32'-11 1/4" |
| 4 - D | 24'-0 1/4"  |
| 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"  |

|       |            |
|-------|------------|
| 3 - A | 41'        |
| 3 - B | 38'-4"     |
| 3 - C | 31'-5 1/4" |
| 3 - D | 21'-11"    |
| 3 - E | 35'-3 1/2" |

|       |             |
|-------|-------------|
| 3 - F | 38'-2 1/4"  |
| 3 - G | 12'-11 1/2" |
| 3 - H | 39'-5"      |
| 3 - Y | 25'-3"      |
| 3 - Z | 18'-5 1/4"  |



## ROMAN END LAZY EL RIGHT 18' x 45'

|                    |  |                 |                            |
|--------------------|--|-----------------|----------------------------|
| PPOOL SURFACE AREA | → 769.2 ft <sup>2</sup><br>71.4 m <sup>2</sup> | LINER SQ. FT.   | → 964.7092 ft <sup>2</sup> |
| PPOOL VOLUME       | → 24850 gal<br>94000 L                         | PPOOL PERIMETER | → 115'-4"<br>35.15 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' RADIUS STEP | 8' SIDE STEP | NO STEP | ITEM DESCRIPTION                | PART #      |
|----------------|--------------|---------|---------------------------------|-------------|
| 2              | 2            | 2       | 6" PLAIN PANEL                  | 48100       |
| 1              |              |         | 1" PLAIN PANEL                  | 48101       |
| 1              | 2            |         | 2" PLAIN PANEL                  | 48102       |
| 12             | 11           | 14      | 4" PLAIN PANEL                  | 48106       |
| 2              | 2            | 2       | 4" SKIMMER PANEL                | 48106S      |
| 15             | 16           | 16      | VERSA-FLEX PANEL                | 48115       |
| 3              | 6            | 6       | 8' RADIUS STRAP SET             | 86200S      |
| 1              | 1            | 1       | 4' RADIUS STRAP SET             | 86155S      |
| 2              | 4            | 4       | 2" RADIUS STRAP SET             | 86327S      |
| 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      |
| 390            | 416          | 416     | PUSH NUTS                       | 09115       |
| 34             | 34           | 34      | BRACE SYSTEM COMPLETE           | 48146       |
| 1              |              |         | 8' RADIUS STEP & REST           | 07418RSNR48 |
|                | 1            |         | 8' STEP & REST                  | 07418SNR48  |
| 14*            | 14*          |         | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*            | 14*          |         | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                |              |         | CHANNEL-LOC SONOTUBE            | 86152       |
|                |              |         | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - 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 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 A.N.S.I. / N.S.P.I. suggested standards.

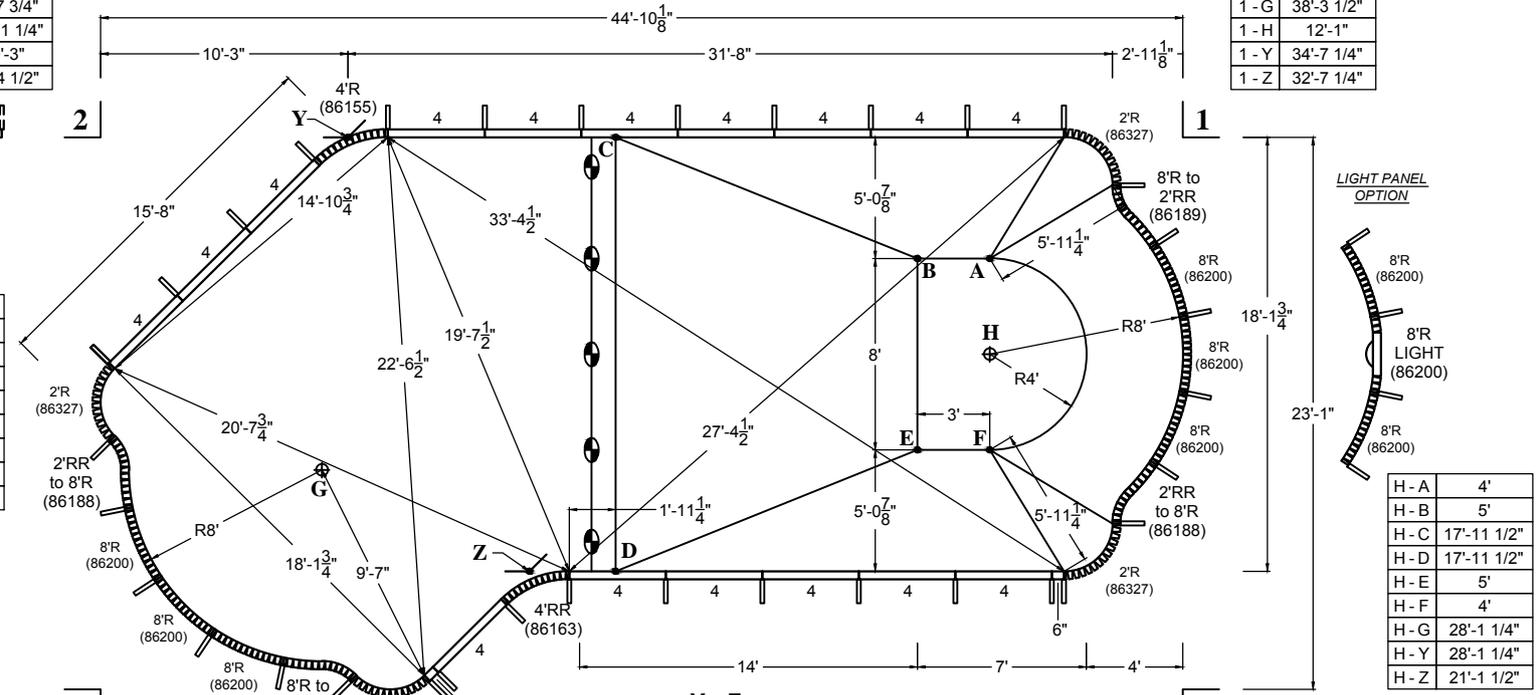
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

|       |             |
|-------|-------------|
| 2 - A | 37'-2 1/4"  |
| 2 - B | 34'-2 3/4"  |
| 2 - C | 21'-4"      |
| 2 - D | 28'         |
| 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 | 23'-6"     |
| 1 - D | 29'-8 1/4" |
| 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" |

|       |             |
|-------|-------------|
| G - A | 29'-0 3/4"  |
| G - B | 26'-2 1/2"  |
| G - C | 18'-5 3/4"  |
| G - D | 12'-10 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"       |



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

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

2"R (86327)

STRAIGHT to 2"R (86194)

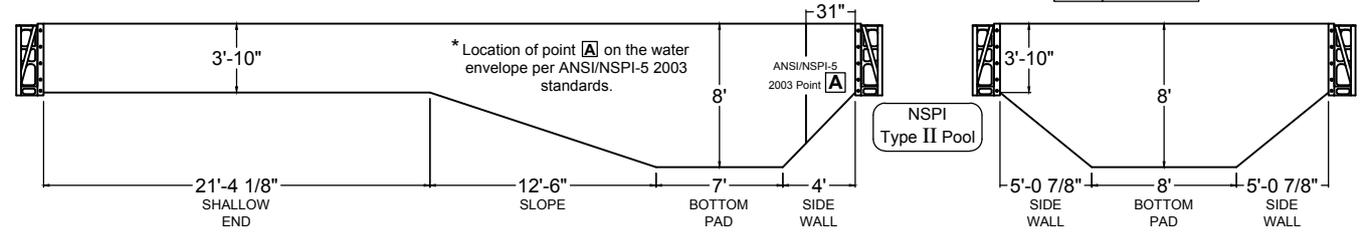
2"RR to 2"RR (86192)

8' RADIUS STEP & REST OPTION

|       |            |
|-------|------------|
| 3 - A | 41'        |
| 3 - B | 38'-4"     |
| 3 - C | 31'-5 1/4" |
| 3 - D | 21'-11"    |
| 3 - E | 35'-3 1/2" |

|       |             |
|-------|-------------|
| 3 - F | 38'-2 1/4"  |
| 3 - G | 12'-11 1/2" |
| 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 | 32'-11 1/4" |
| 4 - D | 24'-0 1/4"  |
| 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"  |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

ANSI/NSPI-5 2003 Point A  
NSPI Type II Pool

## ROMAN END LAZY EL LEFT 20' x 49'

|                    |                         |                 |                             |
|--------------------|-------------------------|-----------------|-----------------------------|
| PPOOL SURFACE AREA | → 923.1 ft <sup>2</sup> | LINER SQ. FT.   | → 1165.1007 ft <sup>2</sup> |
| PPOOL VOLUME       | → 29500 gal             | PPOOL PERIMETER | → 126'-7"                   |
|                    | 111600 L                |                 | 38.58 m                     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM # | QUANTITY | DESCRIPTION                     | PART #      |
|--------|----------|---------------------------------|-------------|
| 1      | 4        | 6" PLAIN PANEL                  | 48100       |
| 2      | 4        | 1" PLAIN PANEL                  | 48101       |
| 1      | 2        | 2" PLAIN PANEL                  | 48102       |
| 1      |          | 2'6" PLAIN PANEL                | 48103       |
| 2      | 2        | 3" PLAIN PANEL                  | 48108       |
| 11     | 10       | 4" PLAIN PANEL                  | 48106       |
| 2      | 2        | 4' SKIMMER PANEL                | 48106S      |
| 17     | 18       | VERSA-FLEX PANEL                | 48115       |
| 3      | 3        | 12' RADIUS STRAP SET            | 86167S      |
| 3      | 6        | 8' RADIUS STRAP SET             | 86200S      |
| 2      | 4        | 2' RADIUS STRAP SET             | 86327S      |
| 1      | 1        | 4' REVERSE RADIUS STRAP SET     | 86163S      |
| 1      | 2        | 2'RR to 8'R STRAP SET           | 86188S      |
| 1      | 2        | 8'R to 2'RR STRAP SET           | 86189S      |
| 1      |          | 2'RR to 2'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      |
| 442    | 468      | PUSH NUTS                       | 09115       |
| 38     | 39       | BRACE SYSTEM COMPLETE           | 48146       |
| 1      | 1        | 8' RADIUS STEP & REST           | 07418RSNR48 |
|        | 1        | 8' STEP & REST                  | 07418SNR48  |
| 14*    | 14*      | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*    | 14*      | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|        |          | CHANNEL-LOC SONOTUBE            | 86152       |
|        |          | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - use bolts at step connection

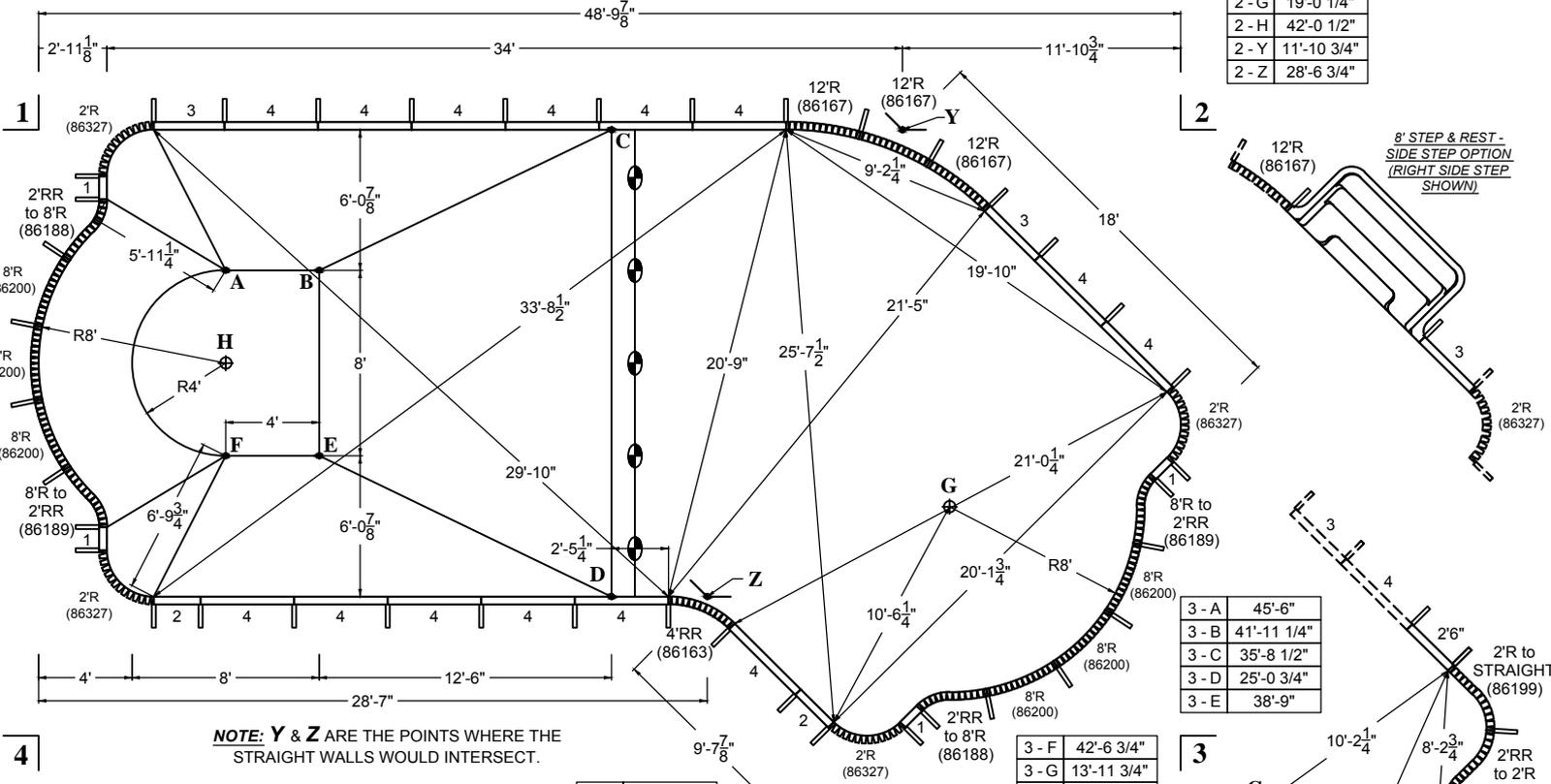
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- Finished bottom is to be 2" minimum of suitable material or undisturbed earth.
- A safety line, with buoys, is to be permanently attached 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 24'-4"      |
| 2 - D | 31'-7"      |
| 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 | 24'-6"      |
| 1 - D | 31'-8 1/2"  |
| 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" |



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

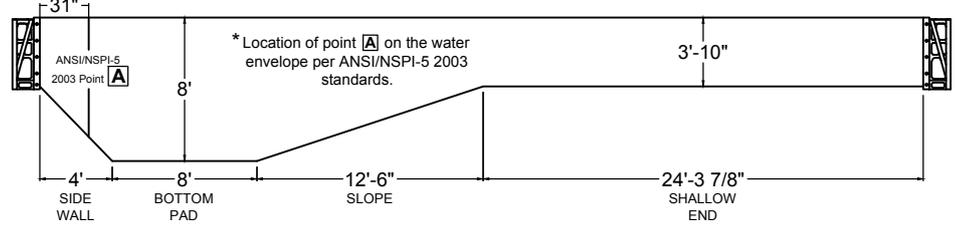
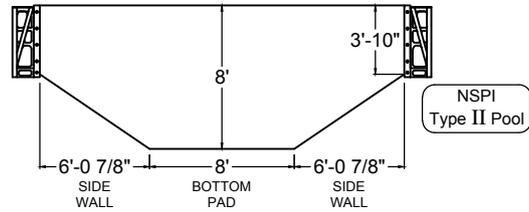
|       |            |
|-------|------------|
| H - A | 4"         |
| H - B | 5'-8"      |
| H - C | 35'-10"    |
| H - D | 19'-4"     |
| H - E | 5'-8"      |
| H - F | 4"         |
| H - G | 31'-6 3/4" |
| H - Y | 30'-7 1/2" |
| H - Z | 22'-11"    |

|       |             |
|-------|-------------|
| 3 - A | 45'-6"      |
| 3 - B | 41'-11 1/4" |
| 3 - C | 35'-8 1/2"  |
| 3 - D | 25'-0 3/4"  |
| 3 - E | 38'-9"      |

|       |             |
|-------|-------------|
| 3 - F | 42'-6 3/4"  |
| 3 - G | 13'-11 3/4" |
| 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 | 35'-10"     |
| 4 - D | 25'-2 3/4"  |
| 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 | 21'-9"      |
| G - D | 14'-11 1/2" |
| 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"  |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.



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

|                    |  |                 |                          |
|--------------------|--|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 446.8 ft <sup>2</sup><br>41.5 m <sup>2</sup> | LINER SQ. FT.   | → 516.00 ft <sup>2</sup> |
| PPOOL VOLUME       | → 12650 gal<br>47900 L                         | PPOOL PERIMETER | → 86'-6"<br>26.36 m      |

**NO DIVING ALLOWED IN THIS POOL**

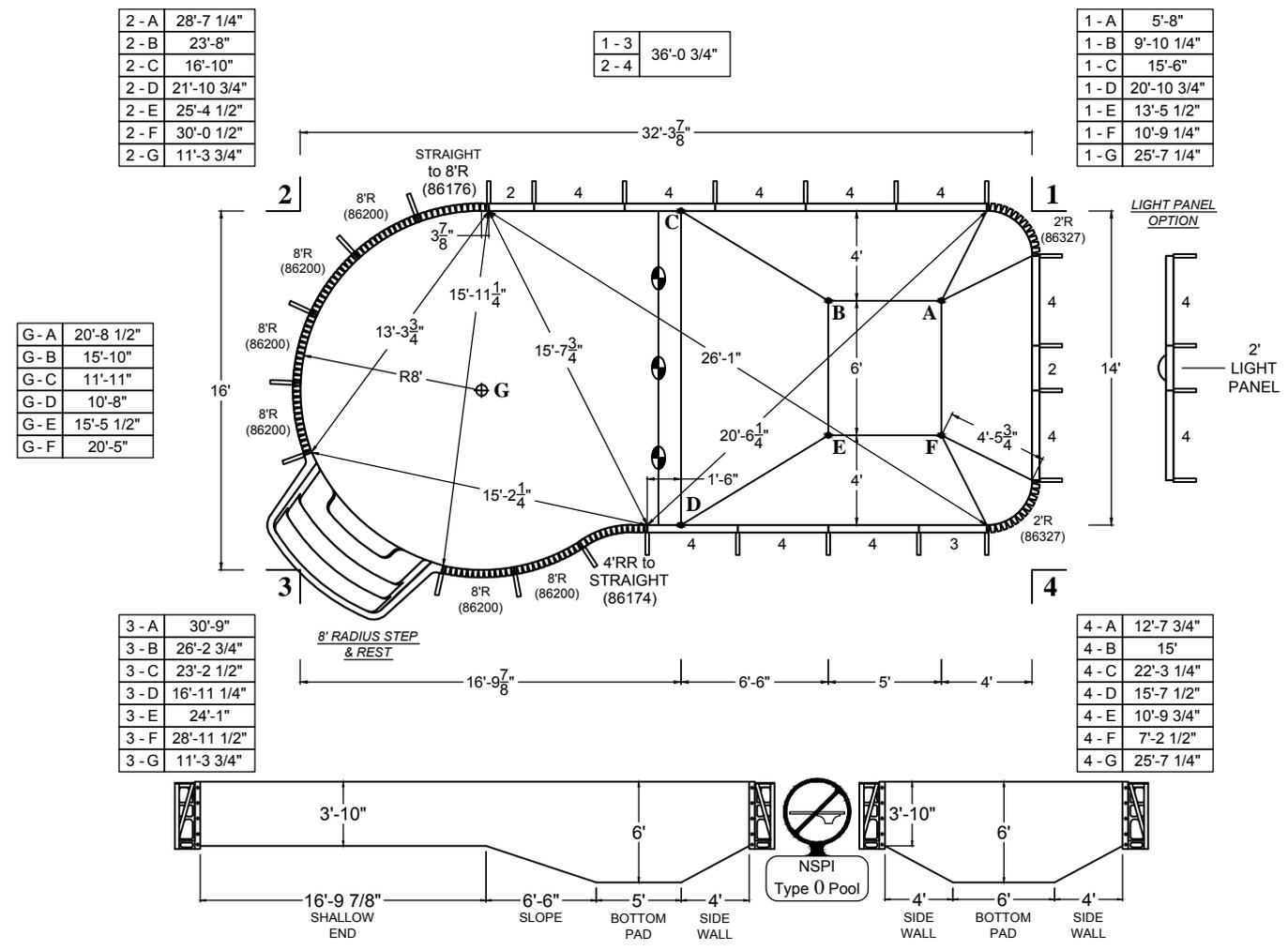
| ITEM DESCRIPTION | PART #                        |             |
|------------------|-------------------------------|-------------|
| 2                | 2' PLAIN PANEL                | 48102       |
| 1                | 3' PLAIN PANEL                | 48108       |
| 9                | 4' PLAIN PANEL                | 48106       |
| 1                | 4' SKIMMER PANEL              | 48106S      |
| 10               | VERSA-FLEX PANEL              | 48115       |
| 6                | 8' RADIUS STRAP SET           | 86200S      |
| 2                | 2' RADIUS STRAP SET           | 86327S      |
| 1                | 8'R to 4'RR STRAP SET         | 86174S      |
| 1                | STRAIGHT to 8'R STRAP SET     | 86176S      |
| 260              | PUSH NUTS                     | 09115       |
| 24               | BRACE SYSTEM COMPLETE         | 48146       |
| 1                | 8' RADIUS STEP & REST         | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                  | CHANNEL-LOC SONOTUBE          | 86152       |
|                  | 2' STANDARD LIGHT PANEL       | 48102L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



|       |             |
|-------|-------------|
| 2 - A | 28'-7 1/4"  |
| 2 - B | 23'-8"      |
| 2 - C | 16'-10"     |
| 2 - D | 21'-10 3/4" |
| 2 - E | 25'-4 1/2"  |
| 2 - F | 30'-0 1/2"  |
| 2 - G | 11'-3 3/4"  |

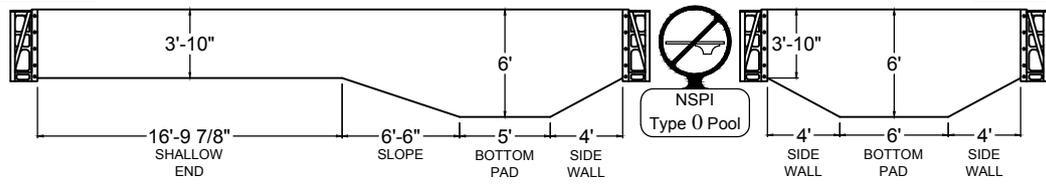
|       |            |
|-------|------------|
| 1 - 3 | 36'-0 3/4" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 9'-10 1/4"  |
| 1 - C | 15'-6"      |
| 1 - D | 20'-10 3/4" |
| 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 | 11'-11"    |
| G - D | 10'-8"     |
| G - E | 15'-5 1/2" |
| G - F | 20'-5"     |

|       |             |
|-------|-------------|
| 3 - A | 30'-9"      |
| 3 - B | 26'-2 3/4"  |
| 3 - C | 23'-2 1/2"  |
| 3 - D | 16'-11 1/4" |
| 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 | 22'-3 1/4" |
| 4 - D | 15'-7 1/2" |
| 4 - E | 10'-9 3/4" |
| 4 - F | 7'-2 1/2"  |
| 4 - G | 25'-7 1/4" |

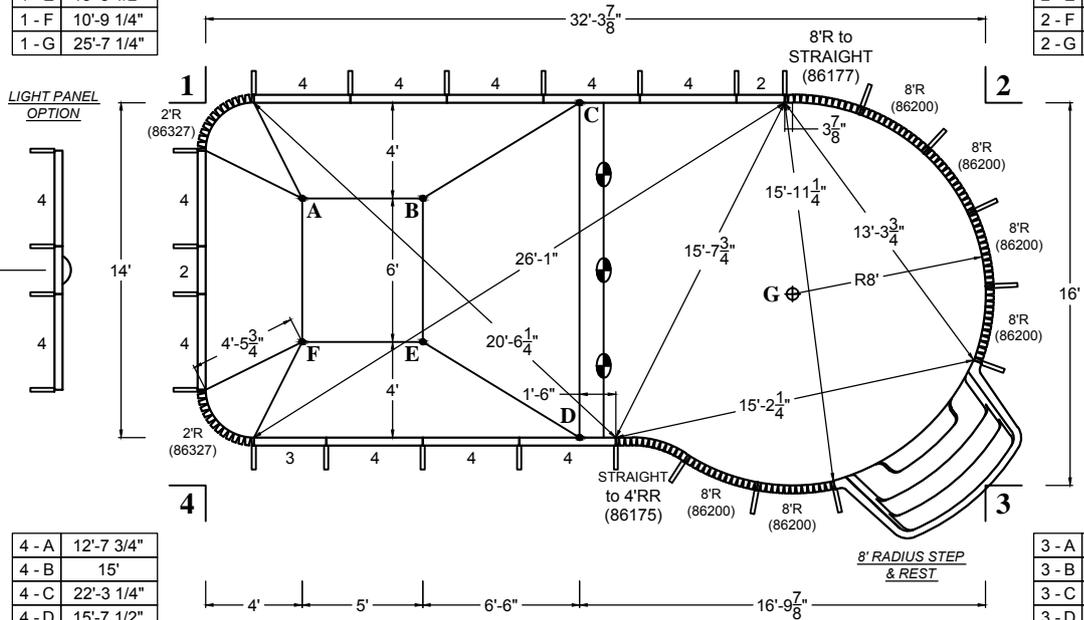
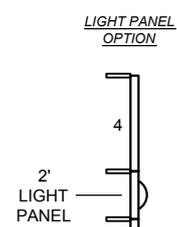


## KEYHOLE - 2' RADIUS REVERSE VIEW - 16' x 32'

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 9'-10 1/4"  |
| 1 - C | 15'-6"      |
| 1 - D | 20'-10 3/4" |
| 1 - E | 13'-5 1/2"  |
| 1 - F | 10'-9 1/4"  |
| 1 - G | 25'-7 1/4"  |

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

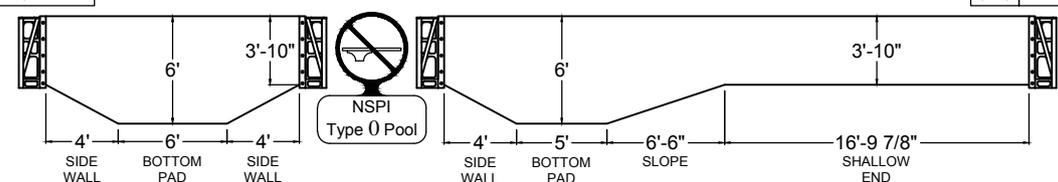
|       |             |
|-------|-------------|
| 2 - A | 28'-7 1/4"  |
| 2 - B | 23'-8"      |
| 2 - C | 16'-10"     |
| 2 - D | 21'-10 3/4" |
| 2 - E | 25'-4 1/2"  |
| 2 - F | 30'-0 1/2"  |
| 2 - G | 11'-3 3/4"  |



|       |            |
|-------|------------|
| G - A | 20'-8 1/2" |
| G - B | 15'-10"    |
| G - C | 11'-11"    |
| G - D | 10'-8"     |
| G - E | 15'-5 1/2" |
| G - F | 20'-5"     |

|       |            |
|-------|------------|
| 4 - A | 12'-7 3/4" |
| 4 - B | 15'        |
| 4 - C | 22'-3 1/4" |
| 4 - D | 15'-7 1/2" |
| 4 - E | 10'-9 3/4" |
| 4 - F | 7'-2 1/2"  |
| 4 - G | 25'-7 1/4" |

|       |             |
|-------|-------------|
| 3 - A | 30'-9"      |
| 3 - B | 26'-2 3/4"  |
| 3 - C | 23'-2 1/2"  |
| 3 - D | 16'-11 1/4" |
| 3 - E | 24'-1"      |
| 3 - F | 28'-11 1/2" |
| 3 - G | 11'-3 3/4"  |



|                    |  |                 |                          |
|--------------------|--|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 446.8 ft <sup>2</sup><br>41.5 m <sup>2</sup> | LINER SQ. FT.   | → 516.00 ft <sup>2</sup> |
| PPOOL VOLUME       | → 12650 gal<br>47900 L                         | PPOOL PERIMETER | → 86'-6"<br>26.36 m      |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION | PART #                        |             |
|------------------|-------------------------------|-------------|
| 2                | 2' PLAIN PANEL                | 48102       |
| 1                | 3' PLAIN PANEL                | 48108       |
| 9                | 4' PLAIN PANEL                | 48106       |
| 1                | 4' SKIMMER PANEL              | 48106S      |
| 10               | VERSA-FLEX PANEL              | 48115       |
| 6                | 8' RADIUS STRAP SET           | 86200S      |
| 2                | 2' RADIUS STRAP SET           | 86327S      |
| 1                | 4'RR to 8'R STRAP SET         | 86175S      |
| 1                | 8'R to STRAIGHT STRAP SET     | 86177S      |
| 260              | PUSH NUTS                     | 09115       |
| 24               | BRACE SYSTEM COMPLETE         | 48146       |
| 1                | 8' RADIUS STEP & REST         | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                  | CHANNEL-LOC SONOTUBE          | 86152       |
|                  | 2' STANDARD LIGHT PANEL       | 48102L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

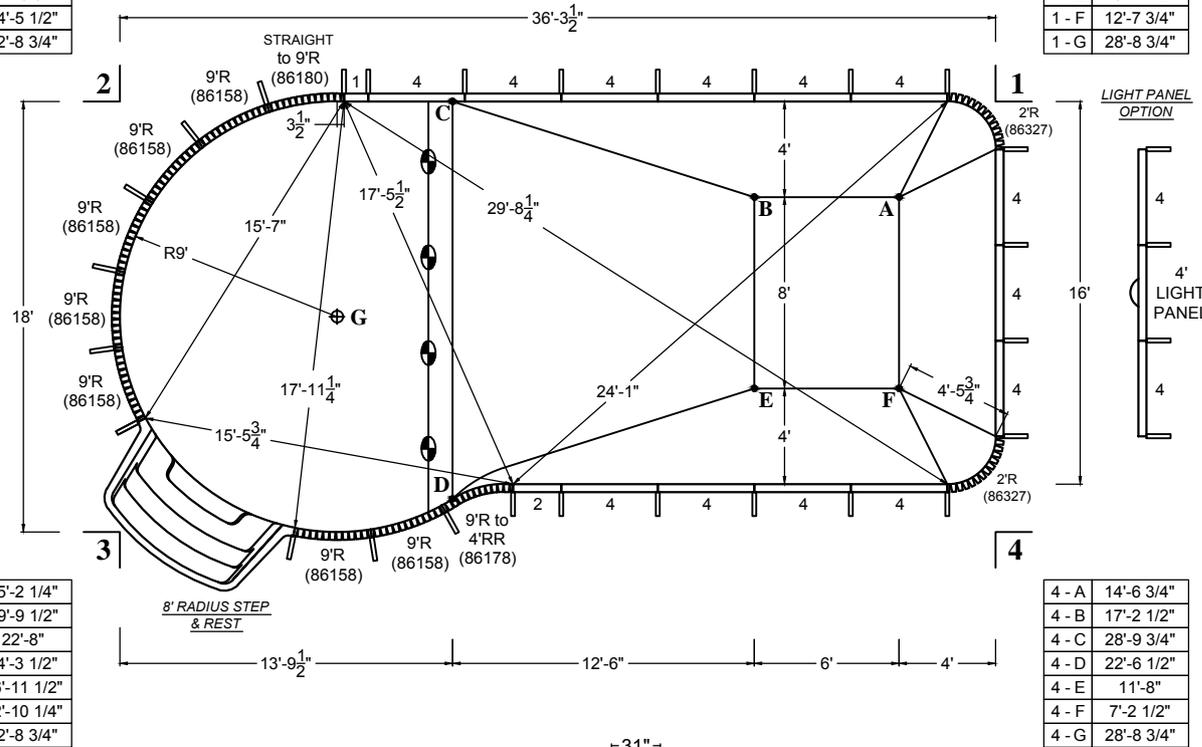
## KEYHOLE - 2' RADIUS STANDARD VIEW - 18' x 36'

|       |             |
|-------|-------------|
| 2 - A | 32'-6 1/2"  |
| 2 - B | 26'-7 1/4"  |
| 2 - C | 13'-9 1/2"  |
| 2 - D | 21'-7 1/4"  |
| 2 - E | 28'-10 3/4" |
| 2 - F | 34'-5 1/2"  |
| 2 - G | 12'-8 3/4"  |

|       |        |
|-------|--------|
| 1 - 3 | 40'-6" |
| 2 - 4 |        |

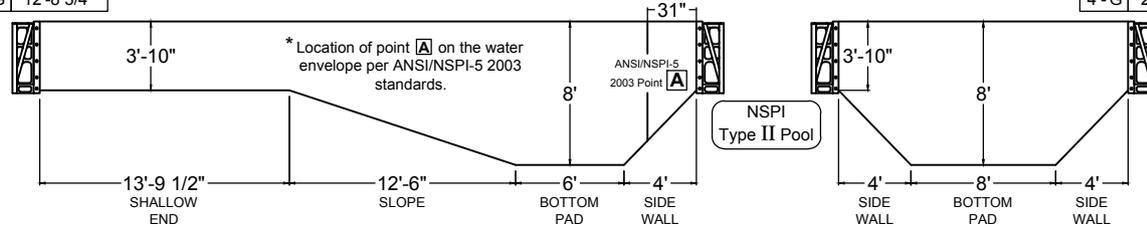
|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 22'-6"      |
| 1 - D | 27'-11 3/4" |
| 1 - E | 15'-7 1/2"  |
| 1 - F | 12'-7 3/4"  |
| 1 - G | 28'-8 3/4"  |

|       |            |
|-------|------------|
| G - A | 23'-9 3/4" |
| G - B | 18"        |
| G - C | 10'-2 1/4" |
| 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 | 22'-8"      |
| 3 - D | 14'-3 1/2"  |
| 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 | 28'-9 3/4" |
| 4 - D | 22'-6 1/2" |
| 4 - E | 11'-8"     |
| 4 - F | 7'-2 1/2"  |
| 4 - G | 28'-8 3/4" |



|                    |                       |                 |                        |
|--------------------|-----------------------|-----------------|------------------------|
| PPOOL SURFACE AREA | 570.1 ft <sup>2</sup> | LINER SQ. FT.   | 653.25 ft <sup>2</sup> |
| PPOOL VOLUME       | 19550 gal             | PPOOL PERIMETER | 97'-6"                 |
|                    | 74000 L               |                 | 29.71 m                |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 1' PLAIN PANEL                  | 48101       |
| 1 2' PLAIN PANEL                  | 48102       |
| 12 4' PLAIN PANEL                 | 48106       |
| 1 4' SKIMMER PANEL                | 48106S      |
| 11 VERSA-FLEX PANEL               | 48115       |
| 7 9'R PANEL STRAP SET             | 86158S      |
| 2 2' RADIUS STRAP SET             | 86327S      |
| 1 9'R to 4'RR STRAP SET           | 86178S      |
| 1 STRAIGHT to 9'R STRAP SET       | 86180S      |
| 286 PUSH NUTS                     | 09115       |
| 30 BRACE SYSTEM COMPLETE          | 48146       |
| 8' RADIUS STEP & REST             | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| 4' STANDARD LIGHT PANEL           | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

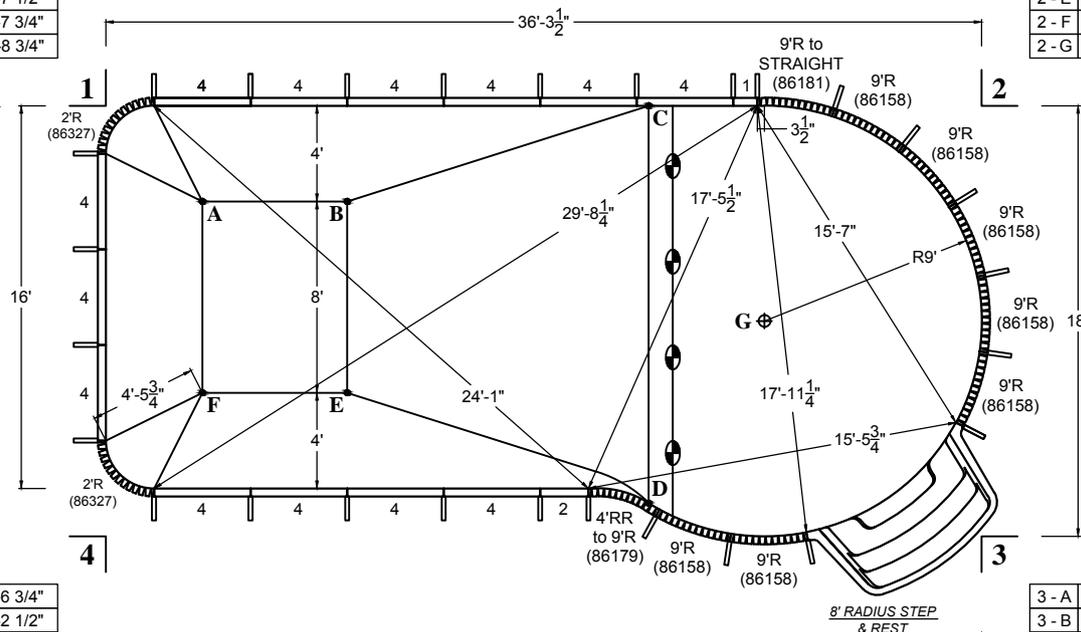
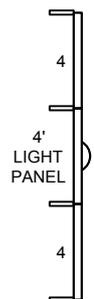
## KEYHOLE - 2' RADIUS REVERSE VIEW - 18' x 36'

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 22'-6"      |
| 1 - D | 27'-11 3/4" |
| 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 | 13'-9 1/2"  |
| 2 - D | 21'-7 1/4"  |
| 2 - E | 28'-10 3/4" |
| 2 - F | 34'-5 1/2"  |
| 2 - G | 12'-8 3/4"  |

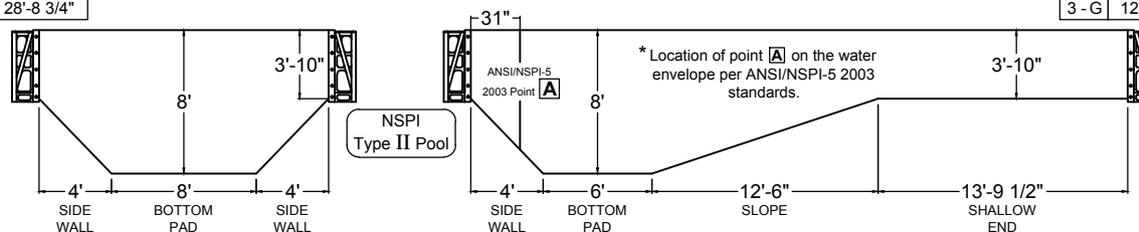
LIGHT PANEL  
OPTION



|       |            |
|-------|------------|
| G - A | 23'-9 3/4" |
| G - B | 18'        |
| G - C | 10'-2 1/4" |
| 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 | 28'-9 3/4" |
| 4 - D | 22'-6 1/2" |
| 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 | 22'-8"      |
| 3 - D | 14'-3 1/2"  |
| 3 - E | 26'-11 1/2" |
| 3 - F | 32'-10 1/4" |
| 3 - G | 12'-8 3/4"  |



|                    |                       |                 |                        |
|--------------------|-----------------------|-----------------|------------------------|
| PPOOL SURFACE AREA | 570.1 ft <sup>2</sup> | LINER SQ. FT.   | 653.25 ft <sup>2</sup> |
| PPOOL VOLUME       | 19550 gal             | PPOOL PERIMETER | 97'-6"                 |
|                    | 74000 L               |                 | 29.71 m                |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION              | PART #      |
|-------------------------------|-------------|
| 1' PLAIN PANEL                | 48101       |
| 2' PLAIN PANEL                | 48102       |
| 4' PLAIN PANEL                | 48106       |
| 4' SKIMMER PANEL              | 48106S      |
| VERSA-FLEX PANEL              | 48115       |
| 9'R PANEL STRAP SET           | 86158S      |
| 2' RADIUS STRAP SET           | 86327S      |
| 4'RR to 9'R STRAP SET         | 86179S      |
| 9'R to STRAIGHT STRAP SET     | 86181S      |
| PUSH NUTS                     | 09115       |
| BRACE SYSTEM COMPLETE         | 48146       |
| 8' RADIUS STEP & REST         | 07418RSNR48 |
| 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE          | 86152       |
| 4' STANDARD LIGHT PANEL       | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|                   |                         |                |                            |
|-------------------|-------------------------|----------------|----------------------------|
| POOL SURFACE AREA | → 708.6 ft <sup>2</sup> | LINER SQ. FT.  | → 805.4167 ft <sup>2</sup> |
|                   | → 65.8 m <sup>2</sup>   |                |                            |
| POOL VOLUME       | → 23800 gal             | POOL PERIMETER | → 108'-8"                  |
|                   | → 90100 L               |                | → 33.12 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                        |             |
|------------------|-------------------------------|-------------|
| 1                | 1' PLAIN PANEL                | 48101       |
| 1                | 2' PLAIN PANEL                | 48102       |
| 14               | 4' PLAIN PANEL                | 48106       |
| 1                | 4' SKIMMER PANEL              | 48106S      |
| 12               | VERSA-FLEX PANEL              | 48115       |
| 8                | 10'R PANEL STRAP SET          | 86273S      |
| 2                | 2' RADIUS STRAP SET           | 86327S      |
| 1                | 10'R to 4'RR STRAP SET        | 86182S      |
| 1                | STRAIGHT to 10'R STRAP SET    | 86184S      |
| 312              | PUSH NUTS                     | 09115       |
| 30               | BRACE SYSTEM COMPLETE         | 48146       |
| 1                | 8' RADIUS STEP & REST         | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                  | CHANNEL-LOC SONOTUBE          | 86152       |
|                  | 4' STANDARD LIGHT PANEL       | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 36'-6"      |
| 2 - B | 30'-6 1/2"  |
| 2 - C | 17'-9 1/4"  |
| 2 - D | 25'-3 1/2"  |
| 2 - E | 33'-4 1/4"  |
| 2 - F | 38'-10 1/2" |
| 2 - G | 14'-1 3/4"  |

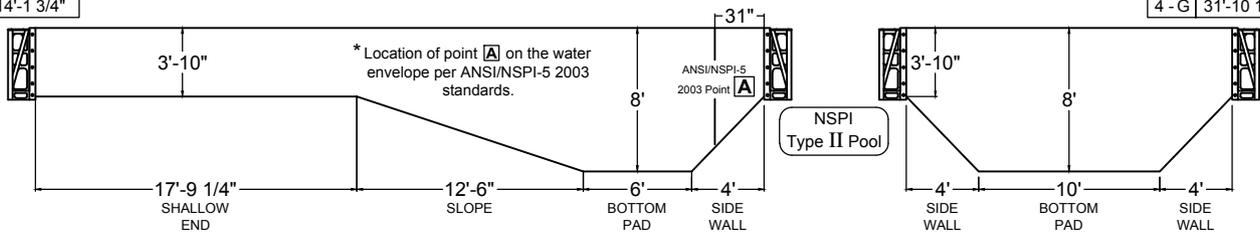
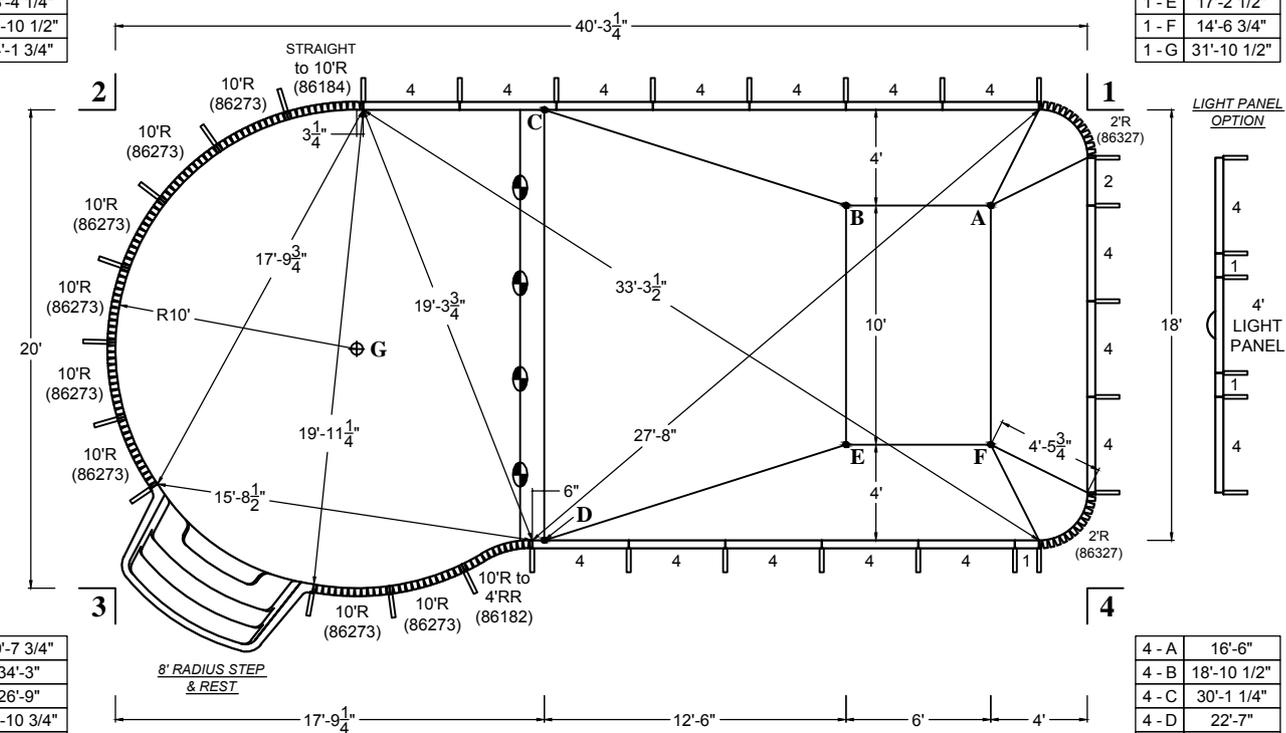
|       |             |
|-------|-------------|
| 1 - 3 | 44'-11 1/2" |
| 2 - 4 |             |

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 22'-6"      |
| 1 - D | 28'-9 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 | 12'-8"      |
| G - D | 11'-1 3/4"  |
| G - E | 20'-8"      |
| G - F | 26'-7"      |

|       |             |
|-------|-------------|
| 3 - A | 39'-7 3/4"  |
| 3 - B | 34'-3"      |
| 3 - C | 26'-9"      |
| 3 - D | 17'-10 3/4" |
| 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 | 30'-1 1/4"  |
| 4 - D | 22'-7"      |
| 4 - E | 11'-8"      |
| 4 - F | 7'-2 1/2"   |
| 4 - G | 31'-10 1/2" |



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

|       |             |
|-------|-------------|
| 1 - A | 5'-8"       |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 22'-6"      |
| 1 - D | 28'-9 3/4"  |
| 1 - E | 17'-2 1/2"  |
| 1 - F | 14'-6 3/4"  |
| 1 - G | 31'-10 1/2" |

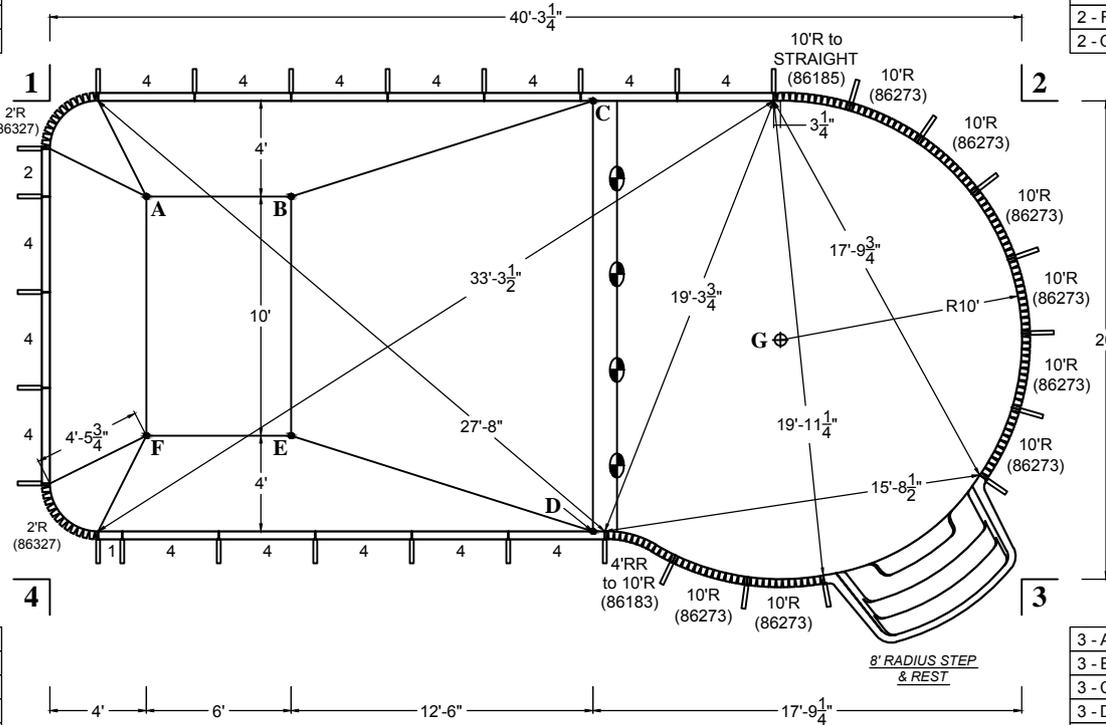
|       |             |
|-------|-------------|
| 1 - 3 | 44'-11 1/2" |
| 2 - 4 |             |

|       |             |
|-------|-------------|
| 2 - A | 36'-6"      |
| 2 - B | 30'-6 1/2"  |
| 2 - C | 17'-9 1/4"  |
| 2 - D | 25'-3 1/2"  |
| 2 - E | 33'-4 1/4"  |
| 2 - F | 38'-10 1/2" |
| 2 - G | 14'-1 3/4"  |

LIGHT PANEL  
OPTION

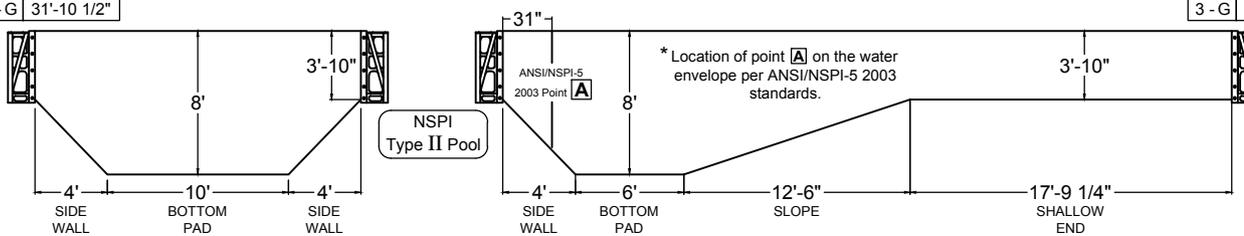


|       |             |
|-------|-------------|
| 4 - A | 16'-6"      |
| 4 - B | 18'-10 1/2" |
| 4 - C | 30'-1 1/4"  |
| 4 - D | 22'-7"      |
| 4 - E | 11'-8"      |
| 4 - F | 7'-2 1/2"   |
| 4 - G | 31'-10 1/2" |



|       |             |
|-------|-------------|
| G - A | 26'-11 1/2" |
| G - B | 21'-1 3/4"  |
| G - C | 12'-8"      |
| G - D | 11'-1 3/4"  |
| G - E | 20'-8"      |
| G - F | 26'-7"      |

|       |             |
|-------|-------------|
| 3 - A | 39'-7 3/4"  |
| 3 - B | 34'-3"      |
| 3 - C | 26'-9"      |
| 3 - D | 17'-10 3/4" |
| 3 - E | 30'-10 1/4" |
| 3 - F | 36'-9 1/4"  |
| 3 - G | 14'-1 3/4"  |



\* Location of point **A** on the water envelope per ANSI/NSPI-5 2003 standards.

NSPI  
Type II Pool

|                    |  |                 |                            |
|--------------------|--|-----------------|----------------------------|
| PPOOL SURFACE AREA | → 708.6 ft <sup>2</sup><br>65.8 m <sup>2</sup> | LINER SQ. FT.   | → 805.4167 ft <sup>2</sup> |
| PPOOL VOLUME       | → 23800 gal<br>90100 L                         | PPOOL PERIMETER | → 108'-8"<br>33.12 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                        |             |
|------------------|-------------------------------|-------------|
| 1                | 1' PLAIN PANEL                | 48101       |
| 1                | 2' PLAIN PANEL                | 48102       |
| 14               | 4' PLAIN PANEL                | 48106       |
| 1                | 4' SKIMMER PANEL              | 48106S      |
| 12               | VERSA-FLEX PANEL              | 48115       |
| 8                | 10'R PANEL STRAP SET          | 86273S      |
| 2                | 2' RADIUS STRAP SET           | 86327S      |
| 1                | 4'RR to 10'R STRAP SET        | 86183S      |
| 1                | 10'R to STRAIGHT STRAP SET    | 86185S      |
| 312              | PUSH NUTS                     | 09115       |
| 30               | BRACE SYSTEM COMPLETE         | 48146       |
| 1                | 8' RADIUS STEP & REST         | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                  | CHANNEL-LOC SONOTUBE          | 86152       |
|                  | 4' STANDARD LIGHT PANEL       | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | → 427.4 ft <sup>2</sup><br>39.7 m <sup>2</sup> | LINER SQ. FT.  | → 516.00 ft <sup>2</sup> |
| POOL VOLUME       | → 12450 gal<br>47100 L                         | POOL PERIMETER | → 82'-2"<br>25.04 m      |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION | PART #                          |             |
|------------------|---------------------------------|-------------|
| 1                | 1' PLAIN PANEL                  | 48101       |
| 1                | 2' PLAIN PANEL                  | 48102       |
| 5                | 4' PLAIN PANEL                  | 48106       |
| 1                | 4' SKIMMER PANEL                | 48106S      |
| 15               | VERSA-FLEX PANEL                | 48115       |
| 6                | 8'R PANEL STRAP SET             | 86200S      |
| 7                | 7' RADIUS STRAP SET             | 86157S      |
| 1                | 8'R to 4'RR STRAP SET           | 86174S      |
| 1                | STRAIGHT to 8'R STRAP SET       | 86176S      |
| 390              | PUSH NUTS                       | 09115       |
| 24               | BRACE SYSTEM COMPLETE           | 48146       |
| 1                | 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                  | CHANNEL-LOC SONOTUBE            | 86152       |
|                  | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

|       |             |
|-------|-------------|
| 2 - A | 25'-7 3/4"  |
| 2 - B | 23'-8"      |
| 2 - C | 16'-10"     |
| 2 - D | 21'-10 3/4" |
| 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 |            |

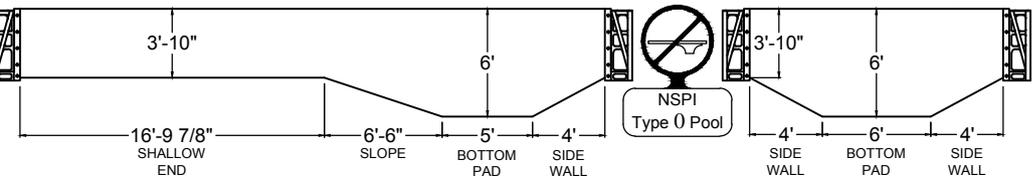
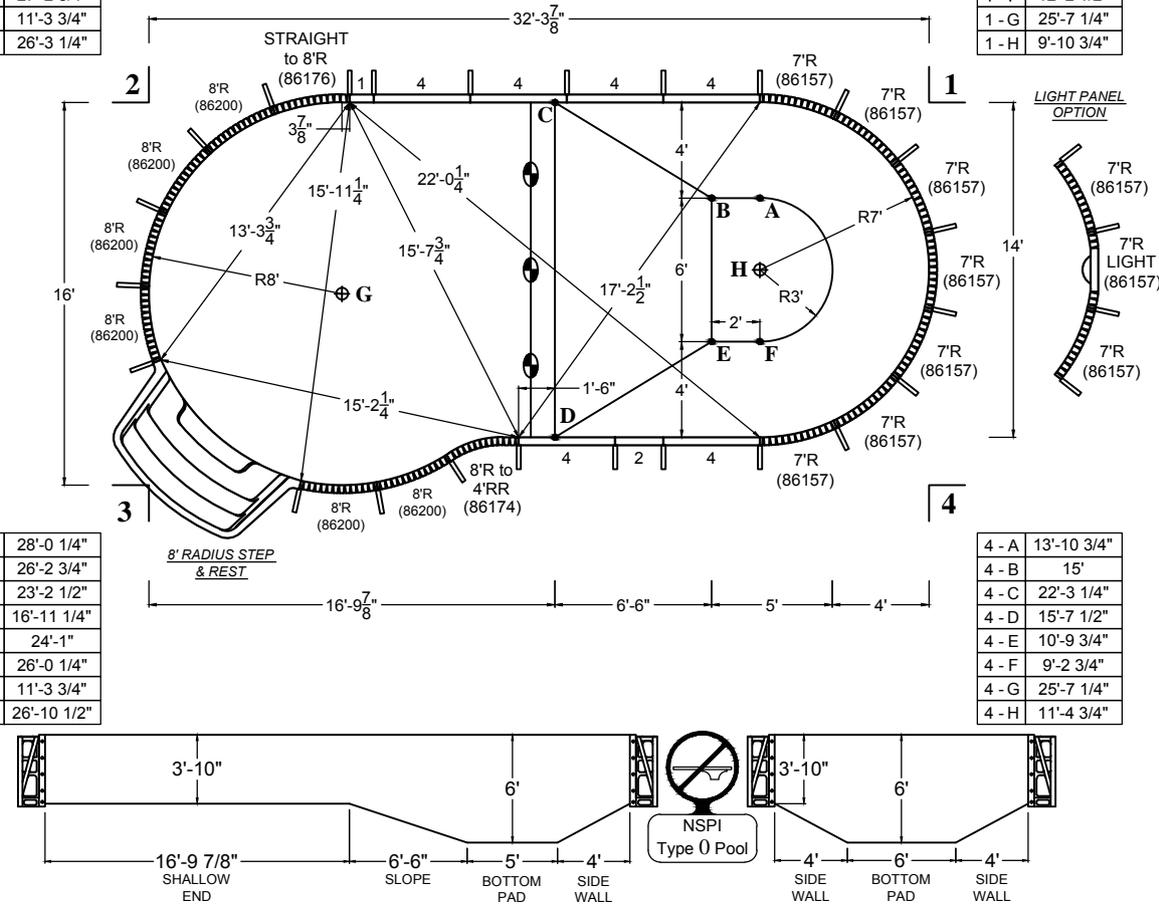
|       |             |
|-------|-------------|
| 1 - A | 8'-0 3/4"   |
| 1 - B | 9'-10 1/4"  |
| 1 - C | 15'-6"      |
| 1 - D | 20'-10 3/4" |
| 1 - E | 13'-5 1/2"  |
| 1 - F | 12'-2 1/2"  |
| 1 - G | 25'-7 1/4"  |
| 1 - H | 9'-10 3/4"  |

|       |            |
|-------|------------|
| G - A | 17'-9 1/4" |
| G - B | 15'-10"    |
| G - C | 11'-11"    |
| G - D | 10'-8"     |
| G - E | 15'-5 1/2" |
| G - F | 17'-5 1/4" |
| G - H | 17'-4 1/4" |

|       |            |
|-------|------------|
| H - A | 3'         |
| H - B | 3'-7 1/4"  |
| H - C | 11'-0 1/4" |
| H - D | 11'-0 1/4" |
| 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 | 23'-2 1/2"  |
| 3 - D | 16'-11 1/4" |
| 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 | 22'-3 1/4"  |
| 4 - D | 15'-7 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"  |



\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

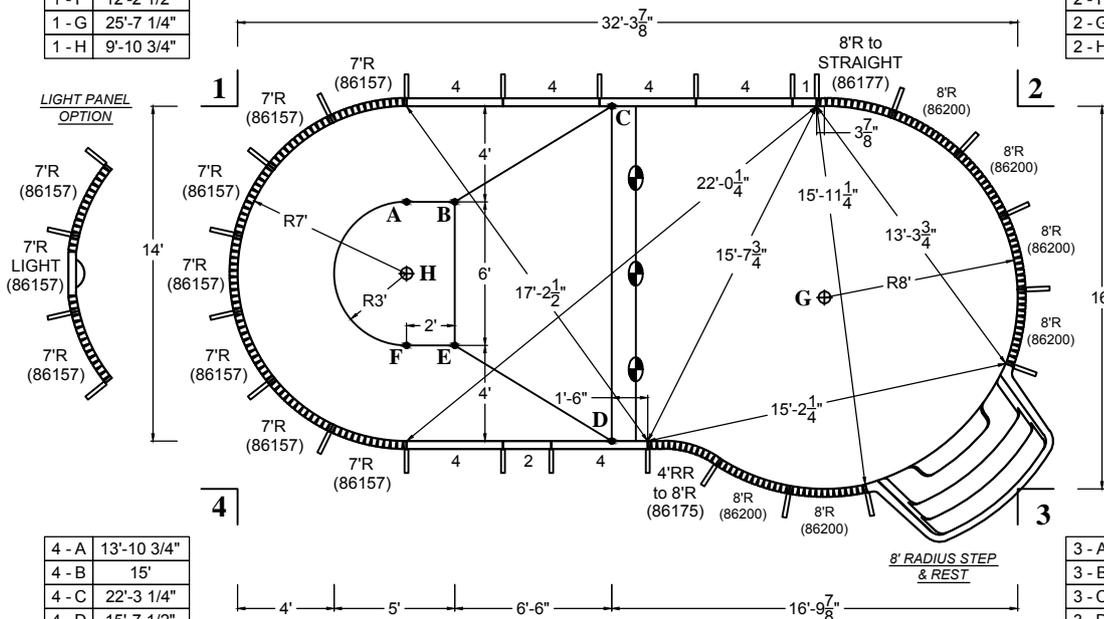
## KEYHOLE - FULL RADIUS REVERSE VIEW - 16' x 32'

|       |             |
|-------|-------------|
| 1 - A | 8'-0 3/4"   |
| 1 - B | 9'-10 1/4"  |
| 1 - C | 15'-6"      |
| 1 - D | 20'-10 3/4" |
| 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 |            |

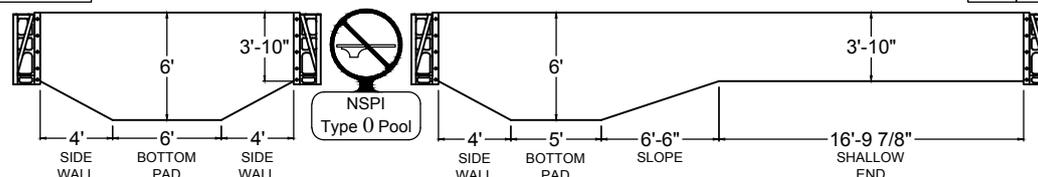
|       |             |
|-------|-------------|
| 2 - A | 25'-7 3/4"  |
| 2 - B | 23'-8"      |
| 2 - C | 16'-10"     |
| 2 - D | 21'-10 3/4" |
| 2 - E | 25'-4 1/2"  |
| 2 - F | 27'-2 3/4"  |
| 2 - G | 11'-3 3/4"  |
| 2 - H | 26'-3 1/4"  |

|       |            |
|-------|------------|
| H - A | 3'         |
| H - B | 3'-7 1/4"  |
| H - C | 11'-0 1/4" |
| H - D | 11'-0 1/4" |
| H - E | 3'-7 1/4"  |
| H - F | 3'         |
| H - G | 17'-4 1/4" |



|       |             |
|-------|-------------|
| 4 - A | 13'-10 3/4" |
| 4 - B | 15'         |
| 4 - C | 22'-3 1/4"  |
| 4 - D | 15'-7 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 | 23'-2 1/2"  |
| 3 - D | 16'-11 1/4" |
| 3 - E | 24'-1"      |
| 3 - F | 26'-0 1/4"  |
| 3 - G | 11'-3 3/4"  |
| 3 - H | 26'-10 1/2" |



|                    |                       |                 |                        |
|--------------------|-----------------------|-----------------|------------------------|
| PPOOL SURFACE AREA | 427.4 ft <sup>2</sup> | LINER SQ. FT.   | 516.00 ft <sup>2</sup> |
| PPOOL VOLUME       | 12450 gal             | PPOOL PERIMETER | 82'-2"                 |
|                    | 47100 L               |                 | 25.04 m                |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 1' PLAIN PANEL                  | 48101       |
| 1 2' PLAIN PANEL                  | 48102       |
| 5 4' PLAIN PANEL                  | 48106       |
| 1 4' SKIMMER PANEL                | 48106S      |
| 15 VERSA-FLEX PANEL               | 48115       |
| 6 8'R PANEL STRAP SET             | 86200S      |
| 7 7' RADIUS STRAP SET             | 86157S      |
| 1 4'RR to 8'R STRAP SET           | 86175S      |
| 1 8'R to STRAIGHT STRAP SET       | 86177S      |
| 390 PUSH NUTS                     | 09115       |
| 24 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

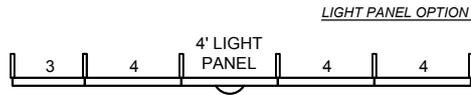
This configuration is only available with 8' Radius Step & Rest

- 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 A.N.S.I. / N.S.P.I. suggested standards.

## KEYHOLE - FULL RADIUS STANDARD VIEW - 18' x 36'

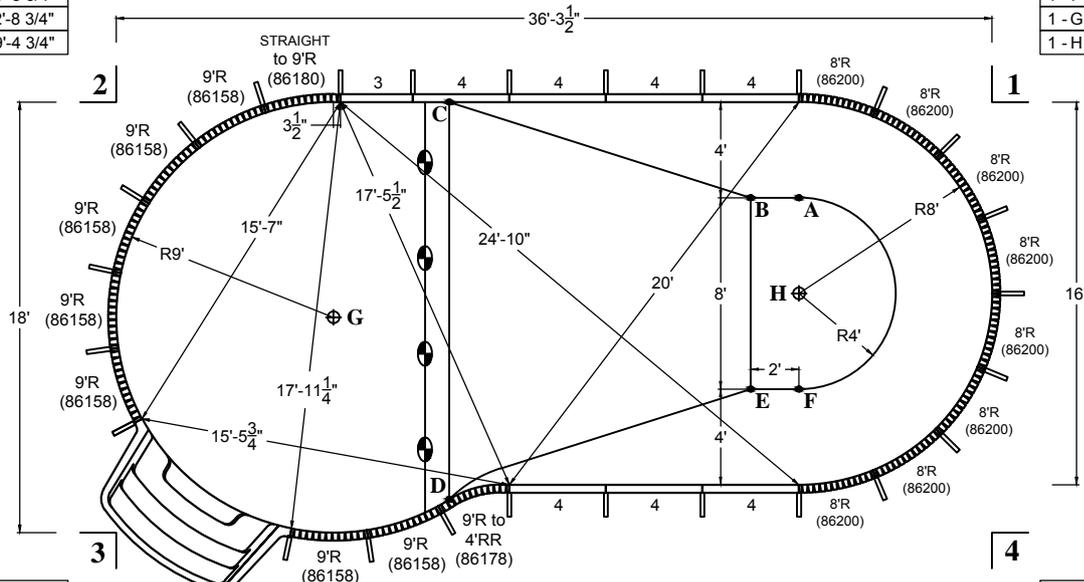
|       |             |
|-------|-------------|
| 2 - A | 28'-7"      |
| 2 - B | 26'-7 1/4"  |
| 2 - C | 13'-9 1/2"  |
| 2 - D | 21'-7 1/4"  |
| 2 - E | 28'-10 3/4" |
| 2 - F | 30'-8 3/4"  |
| 2 - G | 12'-8 3/4"  |
| 2 - H | 29'-4 3/4"  |

|       |        |
|-------|--------|
| 1 - 3 | 40'-6" |
| 2 - 4 |        |



|       |             |
|-------|-------------|
| 1 - A | 8'-11 1/4"  |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 22'-6"      |
| 1 - D | 27'-11 3/4" |
| 1 - E | 15'-7 1/2"  |
| 1 - F | 14'-5"      |
| 1 - G | 28'-8 3/4"  |
| 1 - H | 11'-3 3/4"  |

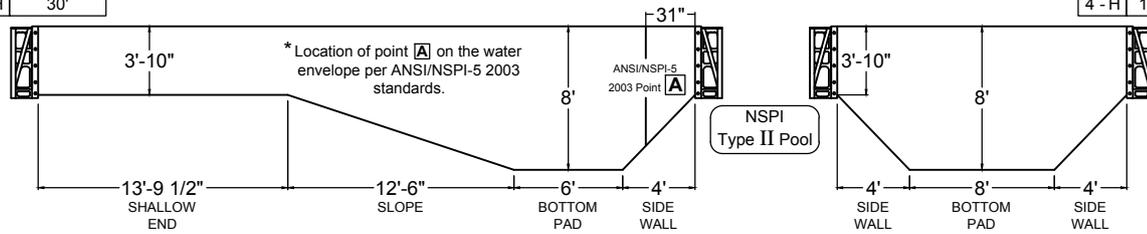
|       |             |
|-------|-------------|
| G - A | 19'-11 1/4" |
| G - B | 18'         |
| G - C | 10'-2 1/4"  |
| G - D | 9'          |
| G - E | 17'-6 1/2"  |
| G - F | 19'-6 1/4"  |
| G - H | 19'-3 3/4"  |



|       |             |
|-------|-------------|
| H - A | 4'          |
| H - B | 4'-5 3/4"   |
| H - C | 16'-6 3/4"  |
| H - D | 16'-10 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 | 22'-8"      |
| 3 - D | 14'-3 1/2"  |
| 3 - E | 26'-11 1/2" |
| 3 - F | 28'-11"     |
| 3 - G | 12'-8 3/4"  |
| 3 - H | 30'         |

|       |            |
|-------|------------|
| 4 - A | 16'-1 1/2" |
| 4 - B | 17'-2 1/2" |
| 4 - C | 28'-9 3/4" |
| 4 - D | 22'-6 1/2" |
| 4 - E | 11'-8"     |
| 4 - F | 10'        |
| 4 - G | 28'-8 3/4" |
| 4 - H | 12'-9 3/4" |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

|                    |                       |                 |                        |
|--------------------|-----------------------|-----------------|------------------------|
| PPOOL SURFACE AREA | 544.3 ft <sup>2</sup> | LINER SQ. FT.   | 653.25 ft <sup>2</sup> |
| PPOOL VOLUME       | 19050 gal             | PPOOL PERIMETER | 92'-5"                 |
|                    | 72100 L               |                 | 28.17 m                |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 3' PLAIN PANEL                  | 48108       |
| 6 4' PLAIN PANEL                  | 48106       |
| 1 4' SKIMMER PANEL                | 48106S      |
| 17 VERSA-FLEX PANEL               | 48115       |
| 7 9'R PANEL STRAP SET             | 86158S      |
| 8 8' RADIUS STRAP SET             | 86200S      |
| 1 9'R to 4'RR STRAP SET           | 86178S      |
| 1 STRAIGHT to 9'R STRAP SET       | 86180S      |
| 442 PUSH NUTS                     | 09115       |
| 26 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| 4' STANDARD LIGHT PANEL           | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 22'-6"      |
| 1 - D | 27'-11 3/4" |
| 1 - E | 15'-7 1/2"  |
| 1 - F | 14'-5"      |
| 1 - G | 28'-8 3/4"  |
| 1 - H | 11'-3 3/4"  |

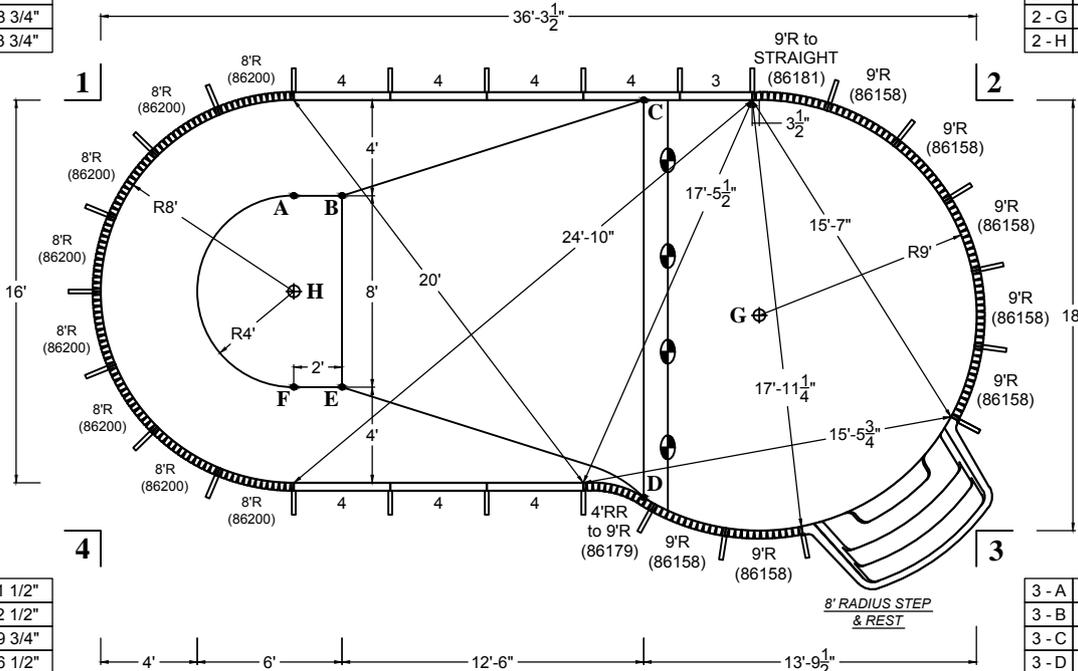
|       |        |
|-------|--------|
| 1 - 3 | 40'-6" |
| 2 - 4 |        |

LIGHT PANEL OPTION



|       |             |
|-------|-------------|
| 2 - A | 28'-7"      |
| 2 - B | 26'-7 1/4"  |
| 2 - C | 13'-9 1/2"  |
| 2 - D | 21'-7 1/4"  |
| 2 - E | 28'-10 3/4" |
| 2 - F | 30'-8 3/4"  |
| 2 - G | 12'-8 3/4"  |
| 2 - H | 29'-4 3/4"  |

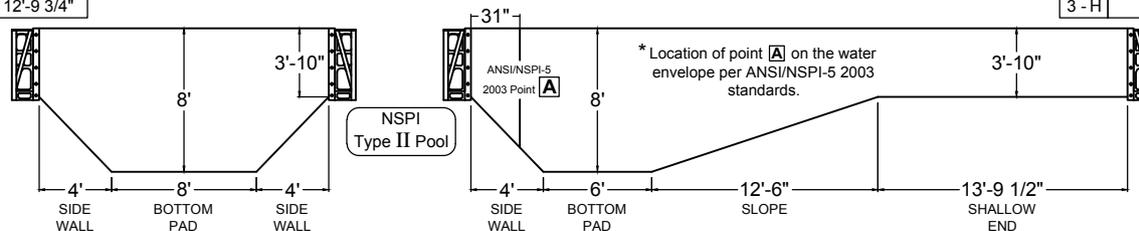
|       |             |
|-------|-------------|
| H - A | 4'          |
| H - B | 4'-5 3/4"   |
| H - C | 16'-6 3/4"  |
| H - D | 16'-10 1/2" |
| H - E | 4'-5 3/4"   |
| H - F | 4'          |
| H - G | 19'-3 3/4"  |



|       |             |
|-------|-------------|
| G - A | 19'-11 1/4" |
| G - B | 18"         |
| G - C | 10'-2 1/4"  |
| 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 | 28'-9 3/4" |
| 4 - D | 22'-6 1/2" |
| 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 | 22'-8"      |
| 3 - D | 14'-3 1/2"  |
| 3 - E | 26'-11 1/2" |
| 3 - F | 28'-11"     |
| 3 - G | 12'-8 3/4"  |
| 3 - H | 30'         |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

NSPI Type II Pool

|                    |                         |                 |                          |
|--------------------|-------------------------|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 544.3 ft <sup>2</sup> | LINER SQ. FT.   | → 653.25 ft <sup>2</sup> |
| PPOOL VOLUME       | → 19050 gal             | PPOOL PERIMETER | → 92'-5"                 |
|                    | 72100 L                 |                 | 28.17 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                        |             |
|------------------|-------------------------------|-------------|
| 1                | 3' PLAIN PANEL                | 48108       |
| 6                | 4' PLAIN PANEL                | 48106       |
| 1                | 4' SKIMMER PANEL              | 48106S      |
| 17               | VERSA-FLEX PANEL              | 48115       |
| 7                | 9'R PANEL STRAP SET           | 86158S      |
| 8                | 8' RADIUS STRAP SET           | 86200S      |
| 1                | 4'RR to 9'R STRAP SET         | 86179S      |
| 1                | 9'R to STRAIGHT STRAP SET     | 86181S      |
| 442              | PUSH NUTS                     | 09115       |
| 26               | BRACE SYSTEM COMPLETE         | 48146       |
| 1                | 8' RADIUS STEP & REST         | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                  | CHANNEL-LOC SONOTUBE          | 86152       |
|                  | 4' STANDARD LIGHT PANEL       | 48106L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|                   |                         |                |                            |
|-------------------|-------------------------|----------------|----------------------------|
| POOL SURFACE AREA | → 675.5 ft <sup>2</sup> | LINER SQ. FT.  | → 805.4167 ft <sup>2</sup> |
|                   | → 62.7 m <sup>2</sup>   |                |                            |
| POOL VOLUME       | → 23100 gal             | POOL PERIMETER | → 102'-7"                  |
|                   | → 87400 L               |                | → 31.26 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                          |             |
|------------------|---------------------------------|-------------|
| 1                | 1' PLAIN PANEL                  | 48101       |
| 1                | 2' PLAIN PANEL                  | 48102       |
| 7                | 4' PLAIN PANEL                  | 48106       |
| 1                | 4' SKIMMER PANEL                | 48106S      |
| 19               | VERSA-FLEX PANEL                | 48115       |
| 8                | 10'R PANEL STRAP SET            | 86273S      |
| 9                | 9'R PANEL STRAP SET             | 86158S      |
| 1                | 10'R to 4'RR STRAP SET          | 86182S      |
| 1                | STRAIGHT to 10'R STRAP SET      | 86184S      |
| 494              | PUSH NUTS                       | 09115       |
| 30               | BRACE SYSTEM COMPLETE           | 48146       |
| 1                | 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                  | CHANNEL-LOC SONOTUBE            | 86152       |
|                  | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 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 |             |

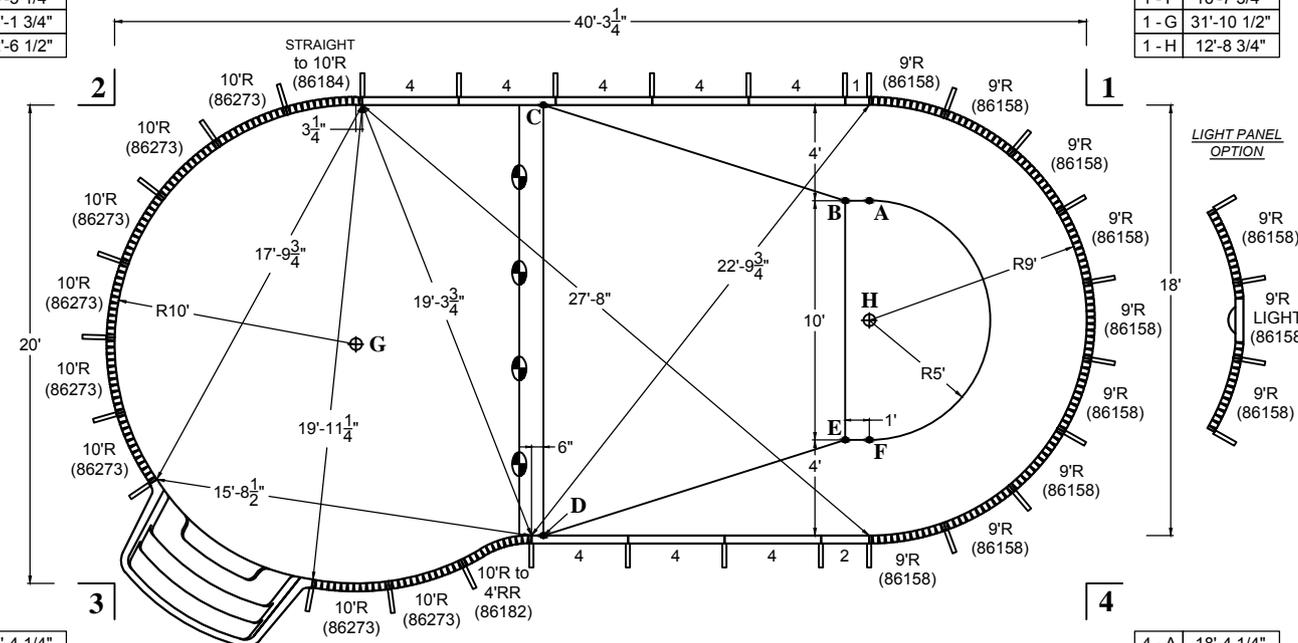
|       |             |
|-------|-------------|
| 1 - A | 9'-10 1/4"  |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 24'         |
| 1 - D | 30'-0 3/4"  |
| 1 - E | 17'-2 1/2"  |
| 1 - F | 16'-7 3/4"  |
| 1 - G | 31'-10 1/2" |
| 1 - H | 12'-8 3/4"  |

|       |            |
|-------|------------|
| 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" |

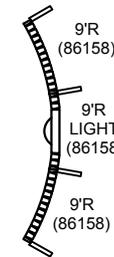
|       |            |
|-------|------------|
| H - A | 5'         |
| H - B | 5'-1 1/4"  |
| H - C | 17'-6"     |
| H - D | 17'-6 1/2" |
| H - E | 5'-1 1/4"  |
| H - F | 5'         |
| H - G | 21'-3 1/2" |

|       |             |
|-------|-------------|
| 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"  |

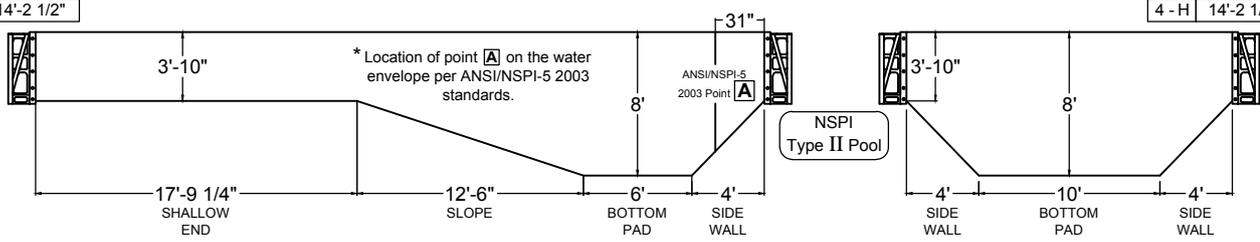
|       |             |
|-------|-------------|
| 4 - A | 18'-4 1/4"  |
| 4 - B | 18'-10 1/2" |
| 4 - C | 31'-3"      |
| 4 - D | 24'-1"      |
| 4 - E | 11'-8"      |
| 4 - F | 10'-9 3/4"  |
| 4 - G | 31'-10 1/2" |
| 4 - H | 14'-2 1/2"  |



LIGHT PANEL OPTION



8' RADIUS STEP & REST



\* Location of point [A] on the water envelope per ANSI/NSPI-5 2003 standards.

ANSI/NSPI-5 2003 Point [A]

NSPI Type II Pool

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

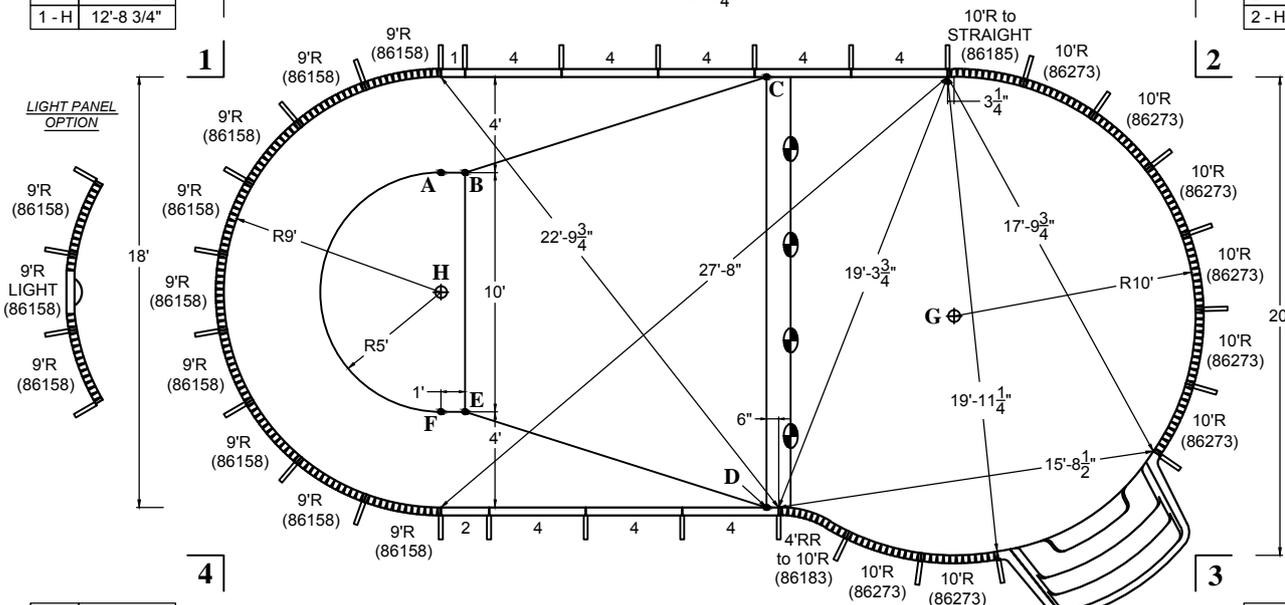
|       |             |
|-------|-------------|
| 1 - A | 9'-10 1/4"  |
| 1 - B | 10'-9 1/4"  |
| 1 - C | 24'         |
| 1 - D | 30'-0 3/4"  |
| 1 - E | 17'-2 1/2"  |
| 1 - F | 16'-7 3/4"  |
| 1 - G | 31'-10 1/2" |
| 1 - H | 12'-8 3/4"  |

|       |             |
|-------|-------------|
| 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" |

LIGHT PANEL  
OPTION

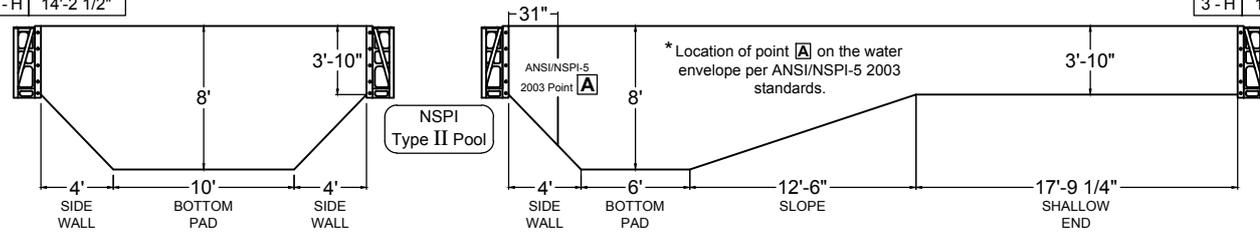
|       |            |
|-------|------------|
| H - A | 5'         |
| H - B | 5'-1 1/4"  |
| H - C | 17'-6"     |
| H - D | 17'-6 1/2" |
| H - E | 5'-1 1/4"  |
| H - F | 5'         |
| H - G | 21'-3 1/2" |



|       |            |
|-------|------------|
| 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"  |



\* Location of point **A** on the water envelope per ANSI/NSPI-5 2003 standards.

|                    |                         |                 |                            |
|--------------------|-------------------------|-----------------|----------------------------|
| PPOOL SURFACE AREA | → 675.5 ft <sup>2</sup> | LINER SQ. FT.   | → 805.4167 ft <sup>2</sup> |
| PPOOL VOLUME       | → 23100 gal             | PPOOL PERIMETER | → 102'-7"                  |
|                    | 87400 L                 |                 | 31.26 m                    |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                          |             |
|------------------|---------------------------------|-------------|
| 1                | 1' PLAIN PANEL                  | 48101       |
| 1                | 2' PLAIN PANEL                  | 48102       |
| 7                | 4' PLAIN PANEL                  | 48106       |
| 1                | 4' SKIMMER PANEL                | 48106S      |
| 19               | VERSA-FLEX PANEL                | 48115       |
| 8                | 10'R PANEL STRAP SET            | 86273S      |
| 9                | 9'R PANEL STRAP SET             | 86158S      |
| 1                | 4'RR to 10'R STRAP SET          | 86183S      |
| 1                | 10'R to STRAIGHT STRAP SET      | 86185S      |
| 494              | PUSH NUTS                       | 09115       |
| 30               | BRACE SYSTEM COMPLETE           | 48146       |
| 1                | 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT   | 148838      |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT     | 149664      |
|                  | CHANNEL-LOC SONOTUBE            | 86152       |
|                  | VERSA-FLEX STANDARD LIGHT PANEL | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 14' x 28'

|                   |                         |                |                          |
|-------------------|-------------------------|----------------|--------------------------|
| POOL SURFACE AREA | → 364.9 ft <sup>2</sup> | LINER SQ. FT.  | → 395.50 ft <sup>2</sup> |
| POOL VOLUME       | → 10500 gal             | POOL PERIMETER | → 74'-2"                 |
|                   | → 39700 L               |                | → 22.60 m                |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 20 VERSA-FLEX PANEL               | 48115       |
| 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          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

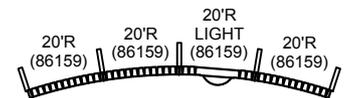
This configuration is only available with 8' Radius Step & Rest

- 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 A.N.S.I. / N.S.P.I. suggested standards.

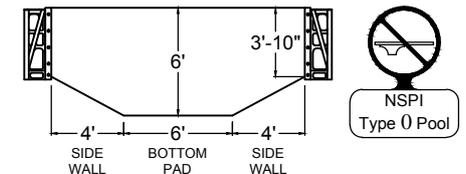
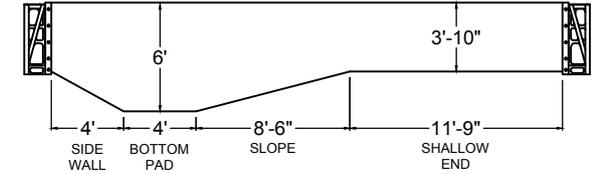
The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

|       |             |
|-------|-------------|
| 1 - A | 8'-0 3/4"   |
| 1 - B | 9'-6 1/2"   |
| 1 - C | 14'-4 1/2"  |
| 1 - D | 17'-11 1/4" |
| 1 - E | 16'-6"      |
| 1 - F | 21'-11 1/2" |
| 1 - G | 9'-1 1/2"   |
| 1 - H | 29'-8 1/4"  |
| 1 - M | 23'-0 1/4"  |

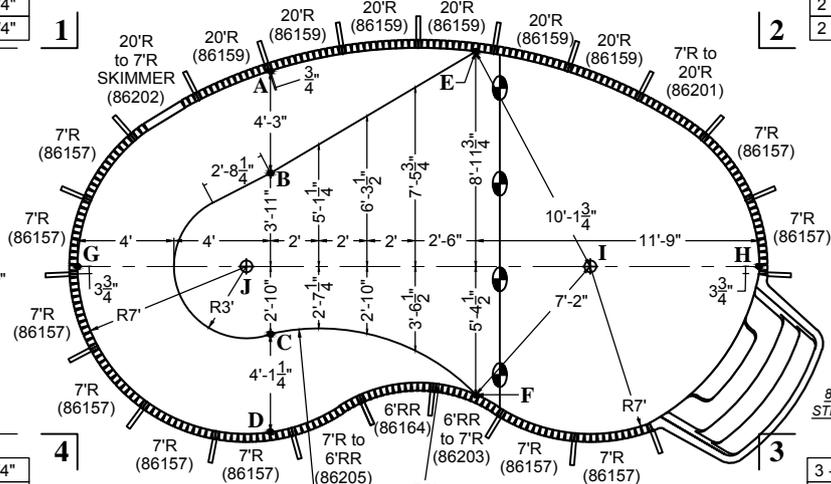
LIGHT PANEL OPTION



|       |             |
|-------|-------------|
| 2 - A | 20'-3 1/4"  |
| 2 - B | 20'-10 3/4" |
| 2 - C | 23'-6"      |
| 2 - D | 25'-10"     |
| 2 - E | 11'-9"      |
| 2 - F | 18'-7 3/4"  |
| 2 - G | 29'-8 1/4"  |
| 2 - H | 9'-1 1/2"   |
| 2 - M | 27'-7 1/4"  |



|       |            |
|-------|------------|
| G - A | 11'-5 1/4" |
| G - B | 8'-10 3/4" |
| G - C | 8'-5 3/4"  |
| G - D | 10'-7"     |
| G - E | 18'-9 1/2" |
| G - F | 17'-4 1/4" |
| G - H | 28'-3"     |
| G - M | 15'-3 3/4" |



|       |            |
|-------|------------|
| H - A | 21'-10"    |
| H - B | 20'-7 1/4" |
| H - C | 20'-5 1/4" |
| H - D | 21'-4 3/4" |
| H - E | 14'-9 1/2" |
| H - F | 12'-11"    |
| H - G | 28'-3"     |
| H - M | 21'-7 1/4" |

8' RADIUS STEP & REST

|       |             |
|-------|-------------|
| 4 - A | 17'-1 3/4"  |
| 4 - B | 13'-6 1/4"  |
| 4 - C | 9'-0 1/4"   |
| 4 - D | 8'          |
| 4 - E | 22'-11 3/4" |
| 4 - F | 16'-7"      |
| 4 - G | 7'          |
| 4 - H | 29'-1 1/4"  |
| 4 - M | 11'-0 1/4"  |

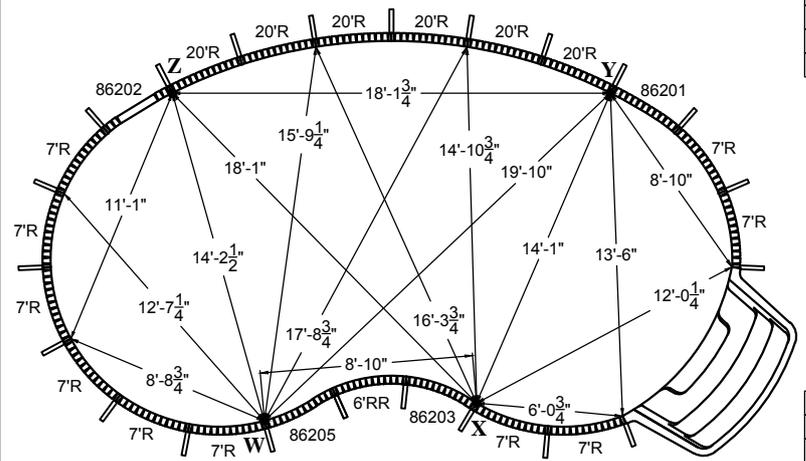
|       |            |
|-------|------------|
| 1 - 3 | 32'-6 1/4" |
| 2 - 4 |            |

|       |            |
|-------|------------|
| 3 - A | 25'-3 1/2" |
| 3 - B | 23'        |
| 3 - C | 20'-8"     |
| 3 - D | 20'-3"     |
| 3 - E | 19'-10"    |

|       |             |
|-------|-------------|
| 3 - F | 11'-10 1/4" |
| 3 - G | 29'-1 1/4"  |
| 3 - H | 7'          |
| 3 - M | 18'-9 3/4"  |

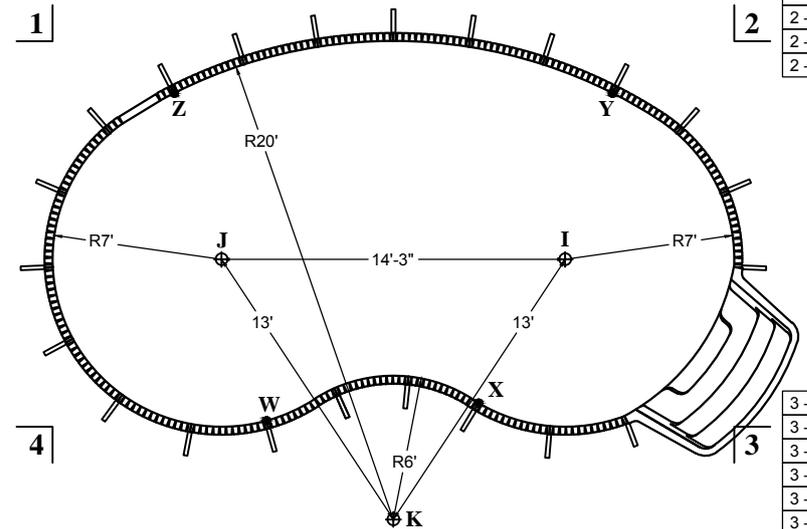
|       |            |
|-------|------------|
| 1 - I | 23'-1 1/2" |
| 1 - J | 11'-6"     |
| 1 - K | 24'-5 3/4" |
| 1 - W | 18'-2"     |
| 1 - X | 23'-3"     |
| 1 - Y | 23'-3 1/2" |
| 1 - Z | 5'-6"      |

|       |            |
|-------|------------|
| 2 - I | 11'-6"     |
| 2 - J | 23'-1 1/2" |
| 2 - K | 24'-5 3/4" |
| 2 - W | 25'-0 3/4" |
| 2 - X | 18'-5 3/4" |
| 2 - Y | 5'-6"      |
| 2 - Z | 23'-3 1/2" |



8' RADIUS STEP & REST

|       |            |
|-------|------------|
| 4 - I | 22'-4 1/4" |
| 4 - J | 9'-10 3/4" |
| 4 - K | 14'-7 3/4" |
| 4 - W | 8'-10 1/4" |
| 4 - X | 17'-8 1/4" |
| 4 - Y | 27'-0 3/4" |
| 4 - Z | 14'-10"    |



|       |            |
|-------|------------|
| 3 - I | 9'-10 3/4" |
| 3 - J | 22'-4 1/4" |
| 3 - K | 14'-7 3/4" |
| 3 - W | 19'-4 1/2" |
| 3 - X | 10'-7 1/2" |
| 3 - Y | 14'-10"    |
| 3 - Z | 27'-0 3/4" |

## KIDNEY RIGHT 14' x 28'

|                   |                       |                |                        |
|-------------------|-----------------------|----------------|------------------------|
| POOL SURFACE AREA | 364.9 ft <sup>2</sup> | LINER SQ. FT.  | 395.50 ft <sup>2</sup> |
| POOL VOLUME       | 10500 gal             | POOL PERIMETER | 74'-2"                 |
|                   | 39700 L               |                | 22.60 m                |

**NO DIVING ALLOWED IN THIS POOL**

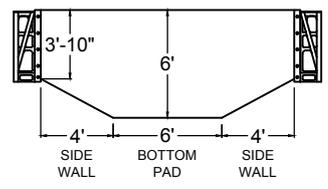
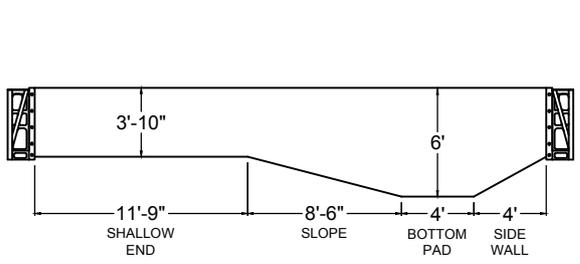
| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 20 VERSA-FLEX PANEL               | 48115       |
| 10 7' RADIUS STRAP SET            | 86157S      |
| 6 20' RADIUS STRAP SET            | 86159S      |
| 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          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



|       |             |
|-------|-------------|
| 2 - A | 20'-3 1/4"  |
| 2 - B | 20'-10 3/4" |
| 2 - C | 23'-6"      |
| 2 - D | 25'-10"     |
| 2 - E | 11'-9"      |
| 2 - F | 18'-7 3/4"  |
| 2 - G | 29'-8 1/4"  |
| 2 - H | 9'-1 1/2"   |
| 2 - M | 27'-7 1/4"  |

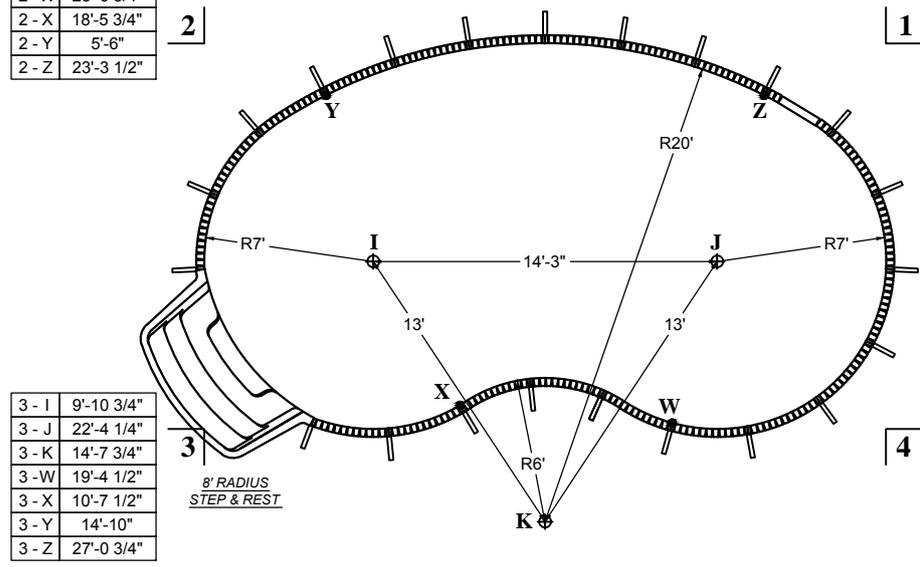
|       |            |
|-------|------------|
| H - A | 21'-10"    |
| H - B | 20'-7 1/4" |
| H - C | 20'-5 1/4" |
| H - D | 21'-4 3/4" |
| H - E | 14'-9 1/2" |
| H - F | 12'-11"    |
| H - G | 28'-3"     |
| H - M | 21'-7 1/4" |

|       |            |
|-------|------------|
| 3 - A | 25'-3 1/2" |
| 3 - B | 23'        |
| 3 - C | 20'-8"     |
| 3 - D | 20'-3"     |
| 3 - E | 19'-10"    |

|       |             |
|-------|-------------|
| 3 - F | 11'-10 1/4" |
| 3 - G | 29'-1 1/4"  |
| 3 - H | 7'          |
| 3 - M | 18'-9 3/4"  |

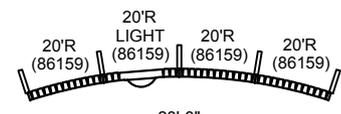
|       |            |
|-------|------------|
| 2 - I | 11'-6"     |
| 2 - J | 23'-1 1/2" |
| 2 - K | 24'-5 3/4" |
| 2 - W | 25'-0 3/4" |
| 2 - X | 18'-5 3/4" |
| 2 - Y | 5'-6"      |
| 2 - Z | 23'-3 1/2" |

|       |            |
|-------|------------|
| 1 - I | 23'-1 1/2" |
| 1 - J | 11'-6"     |
| 1 - K | 24'-5 3/4" |
| 1 - W | 18'-2"     |
| 1 - X | 23'-3"     |
| 1 - Y | 23'-3 1/2" |
| 1 - Z | 5'-6"      |



|       |            |
|-------|------------|
| 3 - I | 9'-10 3/4" |
| 3 - J | 22'-4 1/4" |
| 3 - K | 14'-7 3/4" |
| 3 - W | 19'-4 1/2" |
| 3 - X | 10'-7 1/2" |
| 3 - Y | 14'-10"    |
| 3 - Z | 27'-0 3/4" |

LIGHT PANEL OPTION

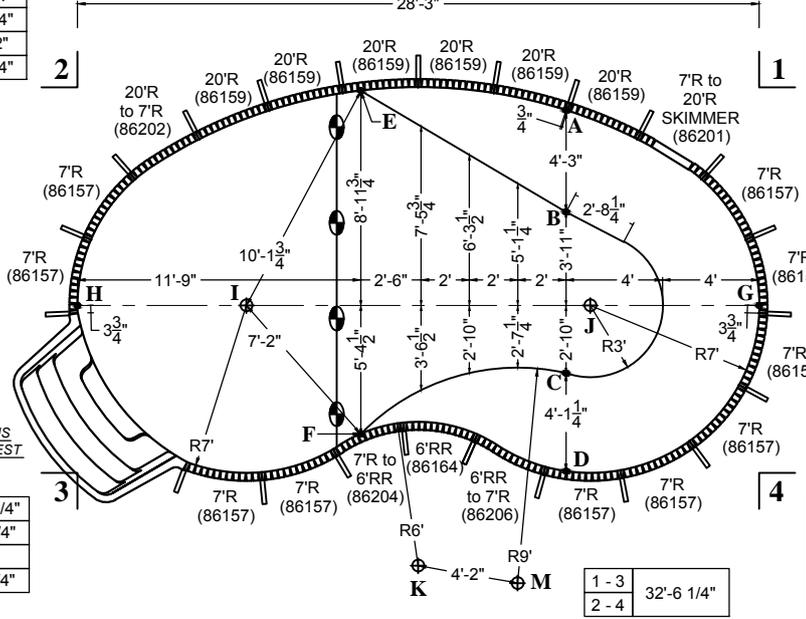


|       |             |
|-------|-------------|
| 1 - A | 8'-0 3/4"   |
| 1 - B | 9'-6 1/2"   |
| 1 - C | 14'-4 1/2"  |
| 1 - D | 17'-11 1/4" |
| 1 - E | 16'-6"      |
| 1 - F | 21'-11 1/2" |
| 1 - G | 9'-1 1/2"   |
| 1 - H | 29'-8 1/4"  |
| 1 - M | 23'-0 1/4"  |

|       |            |
|-------|------------|
| G - A | 11'-5 1/4" |
| G - B | 8'-10 3/4" |
| G - C | 8'-5 3/4"  |
| G - D | 10'-7"     |
| G - E | 18'-9 1/2" |
| G - F | 17'-4 1/4" |
| G - H | 28'-3"     |
| G - M | 15'-3 3/4" |

|       |             |
|-------|-------------|
| 4 - A | 17'-1 3/4"  |
| 4 - B | 13'-6 1/4"  |
| 4 - C | 9'-0 1/4"   |
| 4 - D | 8'          |
| 4 - E | 22'-11 3/4" |
| 4 - F | 16'-7"      |
| 4 - G | 7'          |
| 4 - H | 29'-1 1/4"  |
| 4 - M | 11'-0 1/4"  |

|       |            |
|-------|------------|
| 1 - 3 | 32'-6 1/4" |
| 2 - 4 |            |



|       |            |
|-------|------------|
| 4 - I | 22'-4 1/4" |
| 4 - J | 9'-10 3/4" |
| 4 - K | 14'-7 3/4" |
| 4 - W | 8'-10 1/4" |
| 4 - X | 17'-8 1/4" |
| 4 - Y | 27'-0 3/4" |
| 4 - Z | 14'-10"    |



## KIDNEY RIGHT 16' x 32'

|                   |                       |                |                          |
|-------------------|-----------------------|----------------|--------------------------|
| POOL SURFACE AREA | 469.3 ft <sup>2</sup> | LINER SQ. FT.  | 510.6667 ft <sup>2</sup> |
| POOL VOLUME       | 15100 gal             | POOL PERIMETER | 83'-5"                   |
|                   | 57200 L               |                | 25.42 m                  |

**NO DIVING ALLOWED IN THIS POOL**

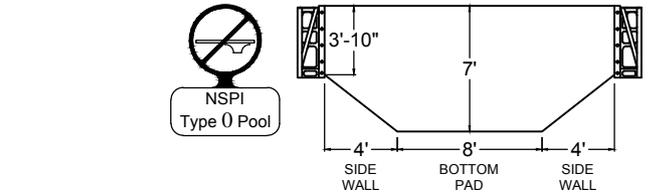
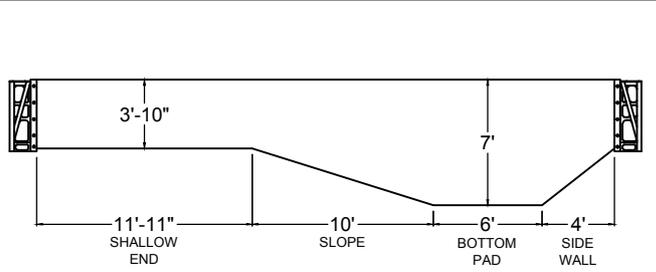
| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 23 VERSA-FLEX PANEL               | 48115       |
| 7 24' RADIUS STRAP SET            | 86160S      |
| 11 8' RADIUS STRAP SET            | 86200S      |
| 2 10' REVERSE RADIUS STRAP SET    | 86166S      |
| 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      |
| 624 PUSH NUTS                     | 09115       |
| 25 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

This configuration is only available with 8' Radius Step & Res

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



|       |             |
|-------|-------------|
| 2 - A | 21'-11 1/4" |
| 2 - B | 22'-5 1/2"  |
| 2 - C | 25'-9 1/2"  |
| 2 - D | 28'-3 1/2"  |
| 2 - E | 11'-11 1/4" |
| 2 - F | 20'-10 1/4" |
| 2 - G | 33'-6"      |
| 2 - H | 10'-1 1/2"  |
| 2 - M | 30'-7"      |

|       |            |
|-------|------------|
| H - A | 23'-10"    |
| H - B | 22'-6 1/2" |
| H - C | 22'-2 1/4" |
| H - D | 23'-3"     |
| H - E | 15'-5"     |
| H - F | 13'-10"    |
| H - G | 31'-11"    |
| H - M | 23'-9 1/4" |

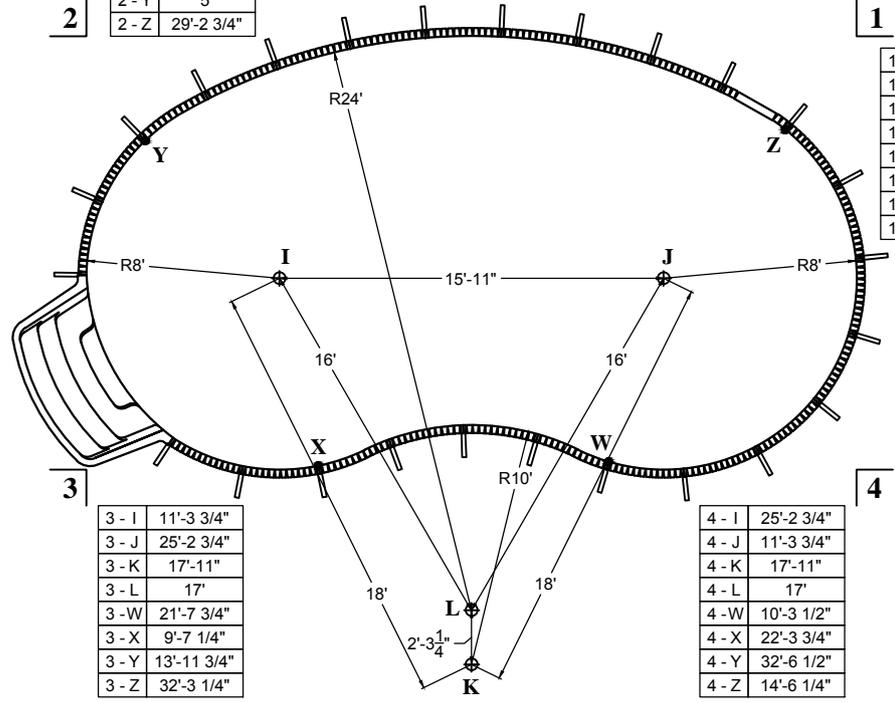
8' RADIUS STEP & REST

|       |             |
|-------|-------------|
| 3 - A | 27'-11 3/4" |
| 3 - B | 25'-7 1/4"  |
| 3 - C | 22'-4 3/4"  |
| 3 - D | 21'-11"     |
| 3 - E | 21'-5"      |
| 3 - F | 11'-11 1/2" |
| 3 - G | 32'-11"     |
| 3 - H | 8'          |
| 3 - M | 20'-5"      |

|       |             |
|-------|-------------|
| 2 - I | 12'-10 3/4" |
| 2 - J | 25'-11 3/4" |
| 2 - K | 30'-8 3/4"  |
| 2 - L | 28'-10"     |
| 2 - W | 28'-0 1/4"  |
| 2 - X | 20'-4 1/2"  |
| 2 - Y | 5'          |
| 2 - Z | 29'-2 3/4"  |

|       |             |
|-------|-------------|
| 3 - A | 27'-11 3/4" |
| 3 - B | 25'-7 1/4"  |
| 3 - C | 22'-4 3/4"  |
| 3 - D | 21'-11"     |
| 3 - E | 21'-5"      |

2



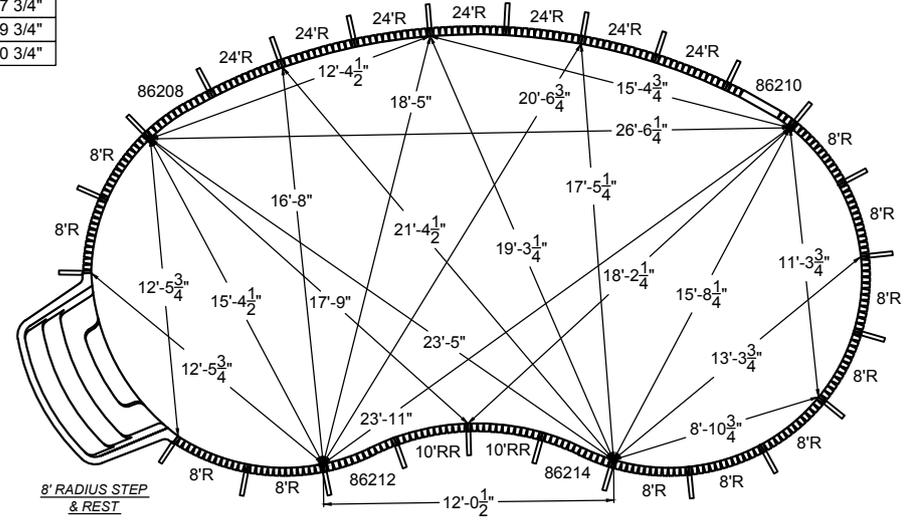
|       |             |
|-------|-------------|
| 3 - I | 11'-3 3/4"  |
| 3 - J | 25'-2 3/4"  |
| 3 - K | 17'-11"     |
| 3 - L | 17'         |
| 3 - W | 21'-7 3/4"  |
| 3 - X | 9'-7 1/4"   |
| 3 - Y | 13'-11 3/4" |
| 3 - Z | 32'-3 1/4"  |

|       |            |
|-------|------------|
| 4 - I | 25'-2 3/4" |
| 4 - J | 11'-3 3/4" |
| 4 - K | 17'-11"    |
| 4 - L | 17'        |
| 4 - W | 10'-3 1/2" |
| 4 - X | 22'-3 3/4" |
| 4 - Y | 32'-6 1/2" |
| 4 - Z | 14'-6 1/4" |

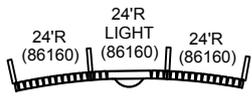
1

|       |             |
|-------|-------------|
| 1 - I | 25'-11 3/4" |
| 1 - J | 12'-10 3/4" |
| 1 - K | 30'-8 3/4"  |
| 1 - L | 28'-10"     |
| 1 - W | 20'-6 1/2"  |
| 1 - X | 28'-7 3/4"  |
| 1 - Y | 29'-9 3/4"  |
| 1 - Z | 4'-10 3/4"  |

4



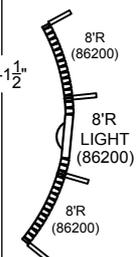
LIGHT PANEL OPTION



|       |            |
|-------|------------|
| 1 - 3 | 36'-8 1/2" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 1 - A | 10'-0 1/4"  |
| 1 - B | 11'-1 3/4"  |
| 1 - C | 16'-10 1/2" |
| 1 - D | 20'-5 3/4"  |
| 1 - E | 20'         |
| 1 - F | 26'-4"      |
| 1 - G | 10'-1 1/2"  |
| 1 - H | 33'-6"      |
| 1 - M | 26'-4"      |

LIGHT PANEL OPTION



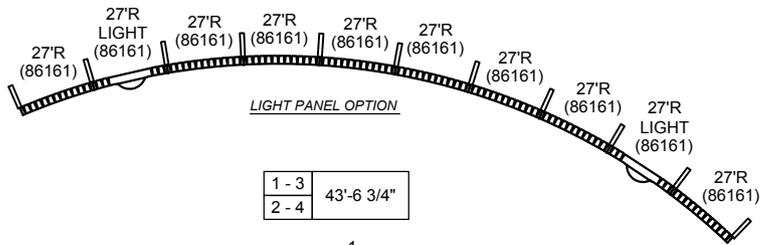
|       |             |
|-------|-------------|
| G - A | 13'-8 1/2"  |
| G - B | 11'-3 1/4"  |
| G - C | 10'-7"      |
| G - D | 12'-7 3/4"  |
| G - E | 22'-3 1/4"  |
| G - F | 21'-2 1/4"  |
| G - H | 31'-11"     |
| G - M | 17'-11 3/4" |

|       |             |
|-------|-------------|
| 4 - A | 20'-0 1/2"  |
| 4 - B | 16'-6 3/4"  |
| 4 - C | 10'-11 3/4" |
| 4 - D | 10'         |
| 4 - E | 26'-9"      |
| 4 - F | 20'-0 1/4"  |
| 4 - G | 8'          |
| 4 - H | 32'-11"     |
| 4 - M | 13'-3"      |

8' RADIUS STEP & REST

## KIDNEY LEFT 20' x 38'

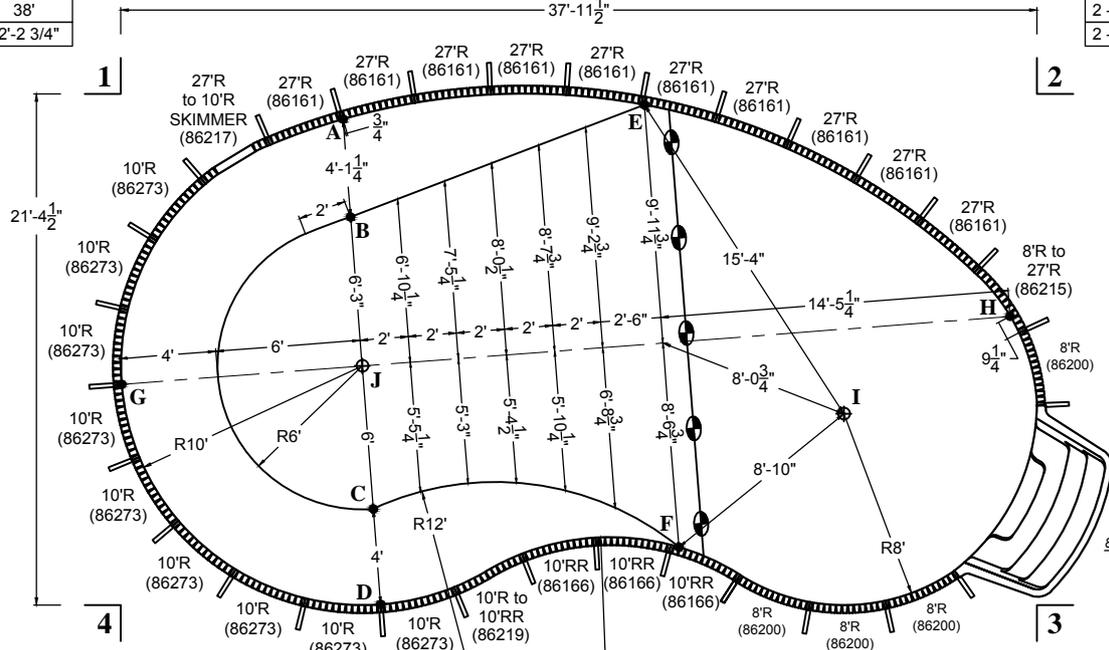
|       |             |
|-------|-------------|
| 1 - A | 9'-3 1/4"   |
| 1 - B | 10'-10"     |
| 1 - C | 20'-3 1/4"  |
| 1 - D | 23'-11"     |
| 1 - E | 21'-8 1/2"  |
| 1 - F | 29'-10 3/4" |
| 1 - G | 12'-1 3/4"  |
| 1 - H | 38'         |
| 1 - M | 32'-2 3/4"  |



|       |             |
|-------|-------------|
| 2 - A | 28'-9 1/4"  |
| 2 - B | 28'-10 3/4" |
| 2 - C | 32'-6 1/4"  |
| 2 - D | 34'-7"      |
| 2 - E | 16'-3 1/4"  |
| 2 - F | 24'-1"      |
| 2 - G | 39'-10"     |
| 2 - H | 9'-4 1/2"   |
| 2 - M | 36'-1"      |

|       |            |
|-------|------------|
| 1 - 3 | 43'-6 3/4" |
| 2 - 4 |            |

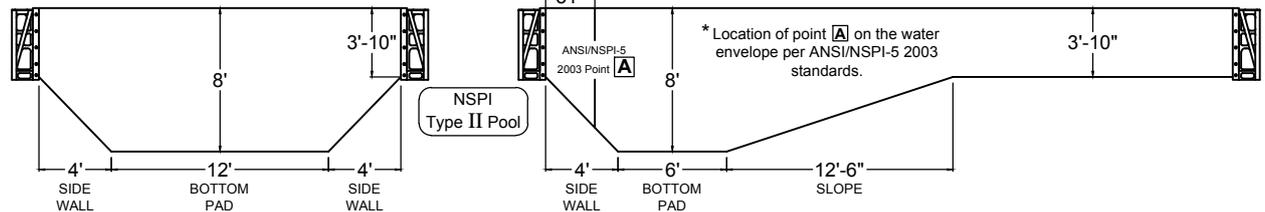
|       |             |
|-------|-------------|
| G - A | 14'-4 3/4"  |
| G - B | 11'-9 1/2"  |
| G - C | 11'-8"      |
| G - D | 14'-1 3/4"  |
| G - E | 24'-7 1/2"  |
| G - F | 24'-1"      |
| G - H | 36'-11 1/4" |
| G - M | 22'-4"      |



|       |             |
|-------|-------------|
| H - A | 28'-10 1/4" |
| H - B | 27'-7 3/4"  |
| H - C | 27'-7"      |
| H - D | 28'-8 3/4"  |
| H - E | 17'-6 1/2"  |
| H - F | 16'-9 1/4"  |
| H - G | 36'-11 1/4" |
| H - M | 28'-6 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 | 30'-1 3/4"  |
| 4 - F | 23'-3"      |
| 4 - G | 9'-2 3/4"   |
| 4 - H | 38'-9 1/4"  |
| 4 - M | 16'-11 1/2" |

|       |            |
|-------|------------|
| 3 - A | 35'-2 1/2" |
| 3 - B | 32'-9"     |
| 3 - C | 27'-9 1/2" |
| 3 - D | 27'-2 1/4" |
| 3 - E | 26'-6"     |
| 3 - F | 15'-0 1/2" |
| 3 - G | 39'-0 1/2" |
| 3 - H | 12'-1 1/2" |
| 3 - M | 23'-5 3/4" |



|                    |                         |                 |                            |
|--------------------|-------------------------|-----------------|----------------------------|
| PPOOL SURFACE AREA | → 643.5 ft <sup>2</sup> | LINER SQ. FT.   | → 759.1667 ft <sup>2</sup> |
| PPOOL VOLUME       | → 22300 gal             | PPOOL PERIMETER | → 99'-2"                   |
|                    | 84400 L                 |                 | 30.22 m                    |

### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 1                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 28               | VERSA-FLEX PANEL 48115                 |
| 10               | 27' RADIUS STRAP SET 86161S            |
| 9                | 10' RADIUS STRAP SET 86273S            |
| 4                | 8' RADIUS STRAP SET 86200S             |
| 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         |
| 754              | PUSH NUTS 09115                        |
| 30               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

This configuration is only available with 8' Radius Step & Res

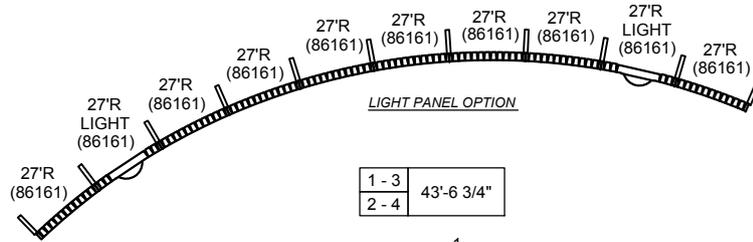
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|       |             |
|-------|-------------|
| 2 - A | 28'-9 1/4"  |
| 2 - B | 28'-10 3/4" |
| 2 - C | 32'-6 1/4"  |
| 2 - D | 34'-7"      |
| 2 - E | 16'-3 1/4"  |
| 2 - F | 24'-1"      |
| 2 - G | 39'-10"     |
| 2 - H | 9'-4 1/2"   |
| 2 - M | 36'-1"      |



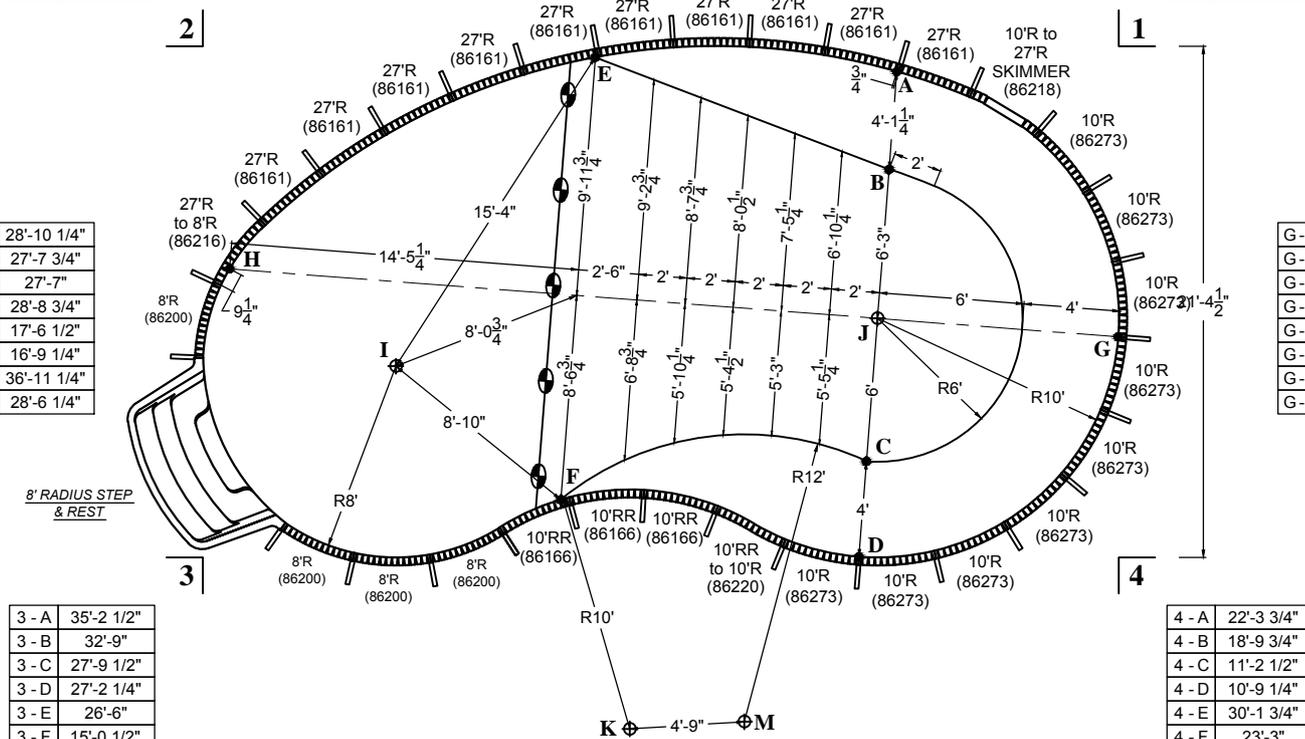
|       |             |
|-------|-------------|
| 1 - A | 9'-3 1/4"   |
| 1 - B | 10'-10"     |
| 1 - C | 20'-3 1/4"  |
| 1 - D | 23'-11"     |
| 1 - E | 21'-8 1/2"  |
| 1 - F | 29'-10 3/4" |
| 1 - G | 12'-1 3/4"  |
| 1 - H | 38'         |
| 1 - M | 32'-2 3/4"  |

|       |            |
|-------|------------|
| 1 - 3 | 43'-6 3/4" |
| 2 - 4 |            |

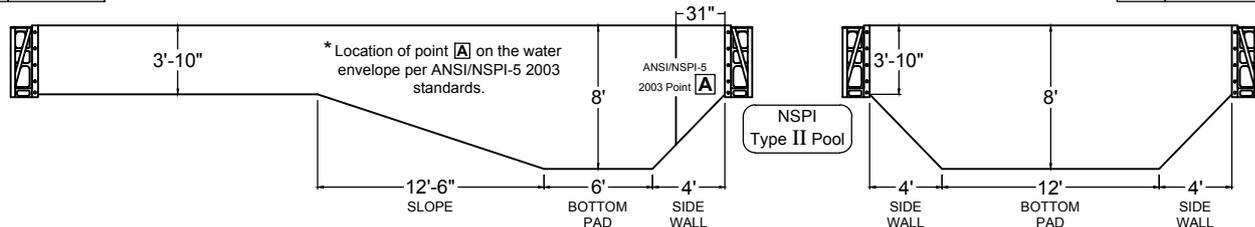
|       |             |
|-------|-------------|
| H - A | 28'-10 1/4" |
| H - B | 27'-7 3/4"  |
| H - C | 27'-7"      |
| H - D | 28'-8 3/4"  |
| H - E | 17'-6 1/2"  |
| H - F | 16'-9 1/4"  |
| H - G | 36'-11 1/4" |
| H - M | 28'-6 1/4"  |

|       |            |
|-------|------------|
| 3 - A | 35'-2 1/2" |
| 3 - B | 32'-9"     |
| 3 - C | 27'-9 1/2" |
| 3 - D | 27'-2 1/4" |
| 3 - E | 26'-6"     |
| 3 - F | 15'-0 1/2" |
| 3 - G | 39'-0 1/2" |
| 3 - H | 12'-1 1/2" |
| 3 - M | 23'-5 3/4" |

|       |             |
|-------|-------------|
| 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 | 30'-1 3/4"  |
| 4 - F | 23'-3"      |
| 4 - G | 9'-2 3/4"   |
| 4 - H | 38'-9 1/4"  |
| 4 - M | 16'-11 1/2" |



|       |             |
|-------|-------------|
| G - A | 14'-4 3/4"  |
| G - B | 11'-9 1/2"  |
| G - C | 11'-8"      |
| G - D | 14'-1 3/4"  |
| G - E | 24'-7 1/2"  |
| G - F | 24'-1"      |
| G - H | 36'-11 1/4" |
| G - M | 22'-4"      |



|                      |  |                   |                            |
|----------------------|--|-------------------|----------------------------|
| POLYMER SURFACE AREA | → 643.5 ft <sup>2</sup><br>59.8 m <sup>2</sup> | LINER SQ. FT.     | → 759.1667 ft <sup>2</sup> |
| POLYMER VOLUME       | → 22300 gal<br>84400 L                         | POLYMER PERIMETER | → 99'-2"<br>30.22 m        |

### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 28 VERSA-FLEX PANEL               | 48115       |
| 10 27' RADIUS STRAP SET           | 86161S      |
| 9 10' RADIUS STRAP SET            | 86273S      |
| 4 8' RADIUS STRAP SET             | 86200S      |
| 3 10' REVERSE RADIUS STRAP SET    | 86166S      |
| 1 27'R to 8'R STRAP SET           | 86216S      |
| 1 10'R to 27'R STRAP SET          | 86218S      |
| 1 10'RR to 10'R STRAP SET         | 86220S      |
| 754 PUSH NUTS                     | 09115       |
| 30 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

This configuration is only available with 8' Radius Step & Res

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 12'-8"      |
| 2 - F | 22'-5 1/2"  |
| 2 - G | 34'-9 1/4"  |
| 2 - H | 12'-0 1/4"  |
| 2 - O | 29'-11 1/2" |

|       |            |
|-------|------------|
| 1 - 3 | 38'-3 1/4" |
| 2 - 4 |            |

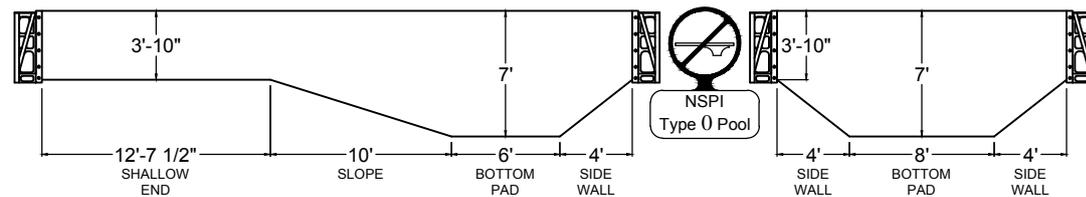
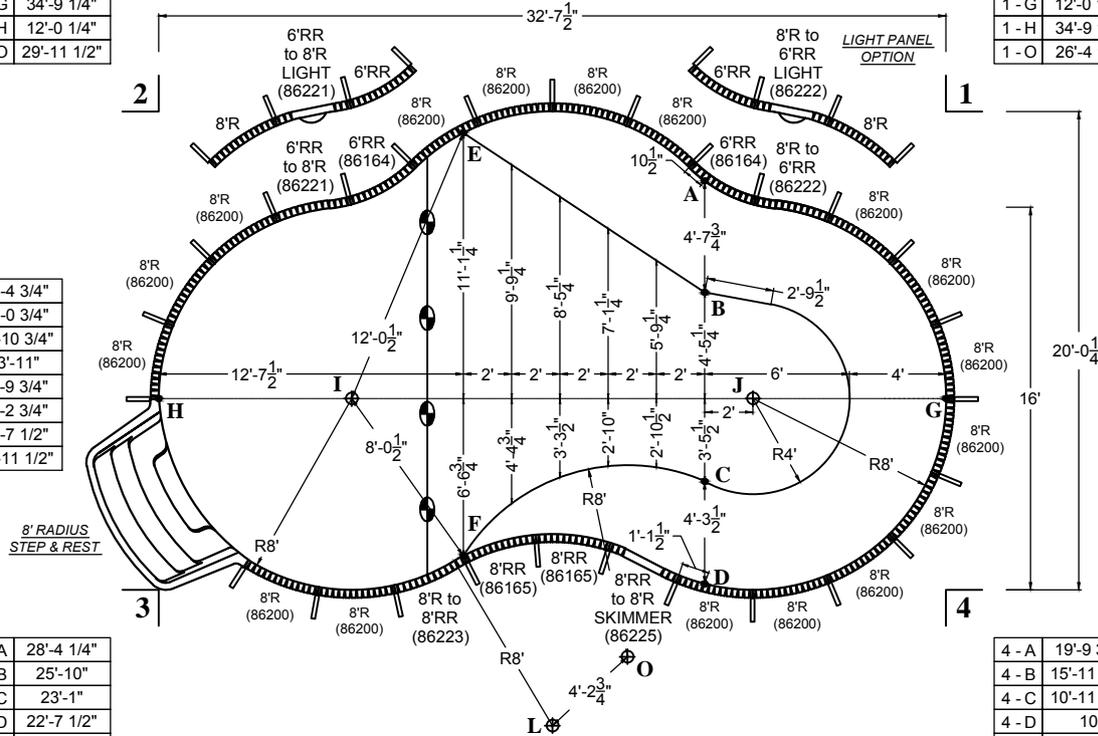
|       |            |
|-------|------------|
| 1 - A | 10'-5"     |
| 1 - B | 12'-6 1/2" |
| 1 - C | 18'-5"     |
| 1 - D | 22'-1 3/4" |
| 1 - E | 20'-0 1/4" |
| 1 - F | 27'-3 1/2" |
| 1 - G | 12'-0 1/4" |
| 1 - H | 34'-9 1/4" |
| 1 - O | 26'-4 1/4" |

|       |             |
|-------|-------------|
| H - A | 24'-4 3/4"  |
| H - B | 23'-0 3/4"  |
| H - C | 22'-10 3/4" |
| H - D | 23'-11"     |
| H - E | 16'-9 3/4"  |
| H - F | 14'-2 3/4"  |
| H - G | 32'-7 1/2"  |
| H - O | 29'-11 1/2" |

|       |             |
|-------|-------------|
| G - A | 13'-6 1/4"  |
| G - B | 10'-11 1/4" |
| G - C | 10'-7"      |
| G - D | 12'-7 3/4"  |
| G - E | 22'-10 1/2" |
| G - F | 21'-0 1/2"  |
| G - H | 32'-7 1/2"  |
| G - O | 17'-0 3/4"  |

|       |            |
|-------|------------|
| 3 - A | 28'-4 1/4" |
| 3 - B | 25'-10"    |
| 3 - C | 23'-1"     |
| 3 - D | 22'-7 1/2" |
| 3 - E | 22'-11"    |
| 3 - F | 12'-8 1/2" |
| 3 - G | 33'-7 1/4" |
| 3 - H | 8'         |
| 3 - O | 19'-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 | 27'-8"      |
| 4 - F | 20'-0 1/2"  |
| 4 - G | 8'          |
| 4 - H | 33'-7 1/4"  |
| 4 - O | 13'-6"      |



|                   |                         |                |                          |
|-------------------|-------------------------|----------------|--------------------------|
| POOL SURFACE AREA | → 488.9 ft <sup>2</sup> | LINER SQ. FT.  | → 522.00 ft <sup>2</sup> |
|                   | → 45.4 m <sup>2</sup>   |                |                          |
| POOL VOLUME       | → 15550 gal             | POOL PERIMETER | → 86'-7"                 |
|                   | → 58900 L               |                | → 26.39 m                |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 1                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 24               | VERSA-FLEX PANEL 48115                 |
| 2                | 8' REVERSE RADIUS PANEL STRAP 86165S   |
| 2                | 6' REVERSE RADIUS PANEL STRAP 86164S   |
| 17               | 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           |
| 650              | PUSH NUTS 09115                        |
| 26               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

## MOUNTAIN LAKE STANDARD VIEW 20' x 33'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | → 488.9 ft <sup>2</sup><br>→ 45.4 m <sup>2</sup> | LINER SQ. FT.  | → 522.00 ft <sup>2</sup> |
| POOL VOLUME       | → 15550 gal<br>→ 58900 L                         | POOL PERIMETER | → 86'-7"<br>→ 26.39 m    |

**NO DIVING ALLOWED IN THIS POOL**

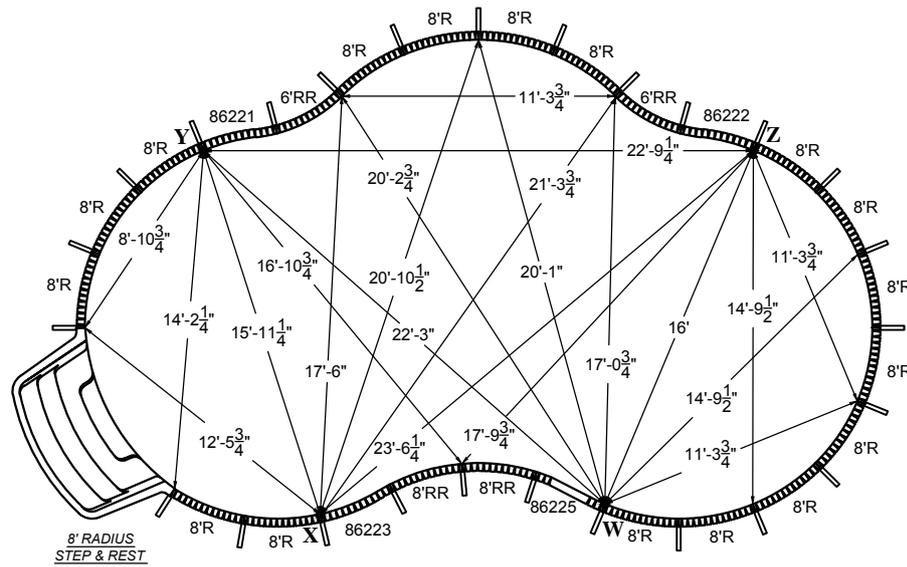
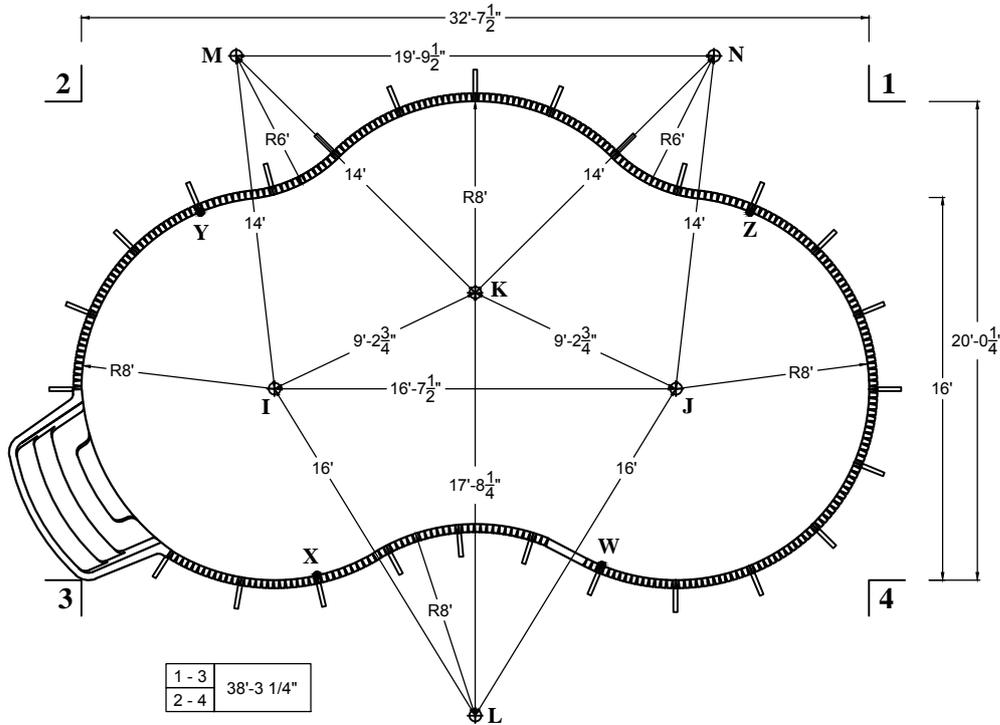
|       |            |
|-------|------------|
| 2 - I | 14'-5 1/4" |
| 2 - J | 27'-4 3/4" |
| 2 - K | 18'-2"     |
| 2 - L | 30'-5"     |
| 2 - M | 6'-8 1/4"  |
| 2 - N | 26'-3 1/2" |
| 2 - W | 29'        |
| 2 - X | 22'-1"     |
| 2 - Y | 6'-9"      |
| 2 - Z | 28'-1"     |

|       |             |
|-------|-------------|
| 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 - W | 21'-6 3/4"  |
| 3 - X | 9'-9"       |
| 3 - Y | 16'-1 3/4"  |
| 3 - Z | 31'-8 1/4"  |

|       |            |
|-------|------------|
| 1 - 3 | 38'-3 1/4" |
| 2 - 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 - W | 22'-4"     |
| 1 - X | 30'-3 1/4" |
| 1 - Y | 28'-1"     |
| 1 - Z | 6'-9"      |

|       |             |
|-------|-------------|
| 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 - W | 11'-1"      |
| 4 - X | 22'-10 1/2" |
| 4 - Y | 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

## MOUNTAIN LAKE REVERSE VIEW 20' x 33'

|       |            |
|-------|------------|
| 1 - A | 10'-5"     |
| 1 - B | 12'-6 1/2" |
| 1 - C | 18'-5"     |
| 1 - D | 22'-1 3/4" |
| 1 - E | 20'-0 1/4" |
| 1 - F | 27'-3 1/2" |
| 1 - G | 12'-0 1/4" |
| 1 - H | 34'-9 1/4" |
| 1 - O | 26'-4 1/4" |

|       |            |
|-------|------------|
| 1 - 3 | 38'-3 1/4" |
| 2 - 4 |            |

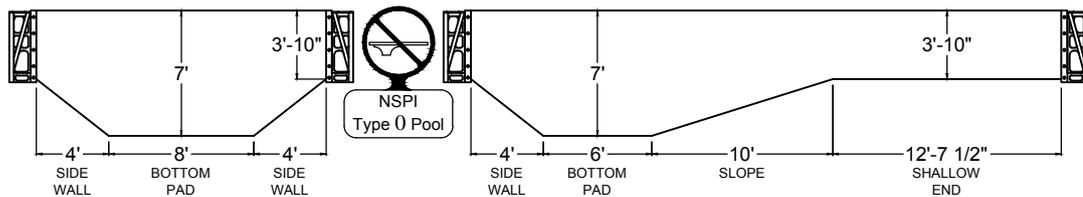
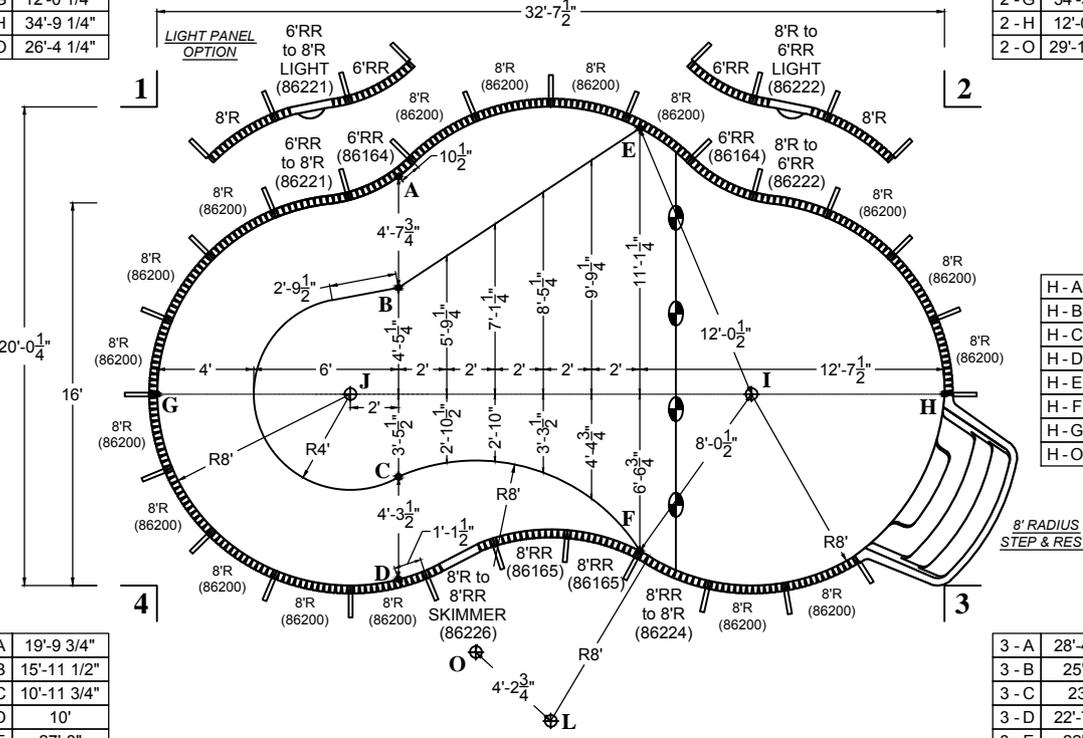
|       |             |
|-------|-------------|
| 2 - A | 22'-9 3/4"  |
| 2 - B | 23'-10 1/4" |
| 2 - C | 27'-5"      |
| 2 - D | 30'-0 1/2"  |
| 2 - E | 12'-8"      |
| 2 - F | 22'-5 1/2"  |
| 2 - G | 34'-9 1/4"  |
| 2 - H | 12'-0 1/4"  |
| 2 - O | 29'-11 1/2" |

|       |             |
|-------|-------------|
| G - A | 13'-6 1/4"  |
| G - B | 10'-11 1/4" |
| G - C | 10'-7"      |
| G - D | 12'-7 3/4"  |
| G - E | 22'-10 1/2" |
| G - F | 21'-0 1/2"  |
| G - H | 32'-7 1/2"  |
| G - O | 17'-0 3/4"  |

|       |             |
|-------|-------------|
| H - A | 24'-4 3/4"  |
| H - B | 23'-0 3/4"  |
| H - C | 22'-10 3/4" |
| H - D | 23'-11"     |
| H - E | 16'-9 3/4"  |
| H - F | 14'-2 3/4"  |
| H - G | 32'-7 1/2"  |
| H - O | 29'-11 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 | 27'-8"      |
| 4 - F | 20'-0 1/2"  |
| 4 - G | 8'          |
| 4 - H | 33'-7 1/4"  |
| 4 - O | 13'-6"      |

|       |            |
|-------|------------|
| 3 - A | 28'-4 1/4" |
| 3 - B | 25'-10"    |
| 3 - C | 23'-1"     |
| 3 - D | 22'-7 1/2" |
| 3 - E | 22'-11"    |
| 3 - F | 12'-8 1/2" |
| 3 - G | 33'-7 1/4" |
| 3 - H | 8'         |
| 3 - O | 19'-7 1/2" |



|                   |                         |                |                          |
|-------------------|-------------------------|----------------|--------------------------|
| POOL SURFACE AREA | → 488.9 ft <sup>2</sup> | LINER SQ. FT.  | → 522.00 ft <sup>2</sup> |
| POOL VOLUME       | → 15550 gal             | POOL PERIMETER | → 86'-7"                 |
|                   | → 58900 L               |                | → 26.39 m                |

**NO DIVING ALLOWED IN THIS POOL**

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 24 VERSA-FLEX PANEL               | 48115       |
| 2 8' REVERSE RADIUS PANEL STRAP   | 86165S      |
| 2 6' REVERSE RADIUS STRAP         | 86164S      |
| 17 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'RR to 8'R STRAP SET           | 86224S      |
| 1 8'R to 8'RR STRAP SET           | 86226S      |
| 650 PUSH NUTS                     | 09115       |
| 26 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



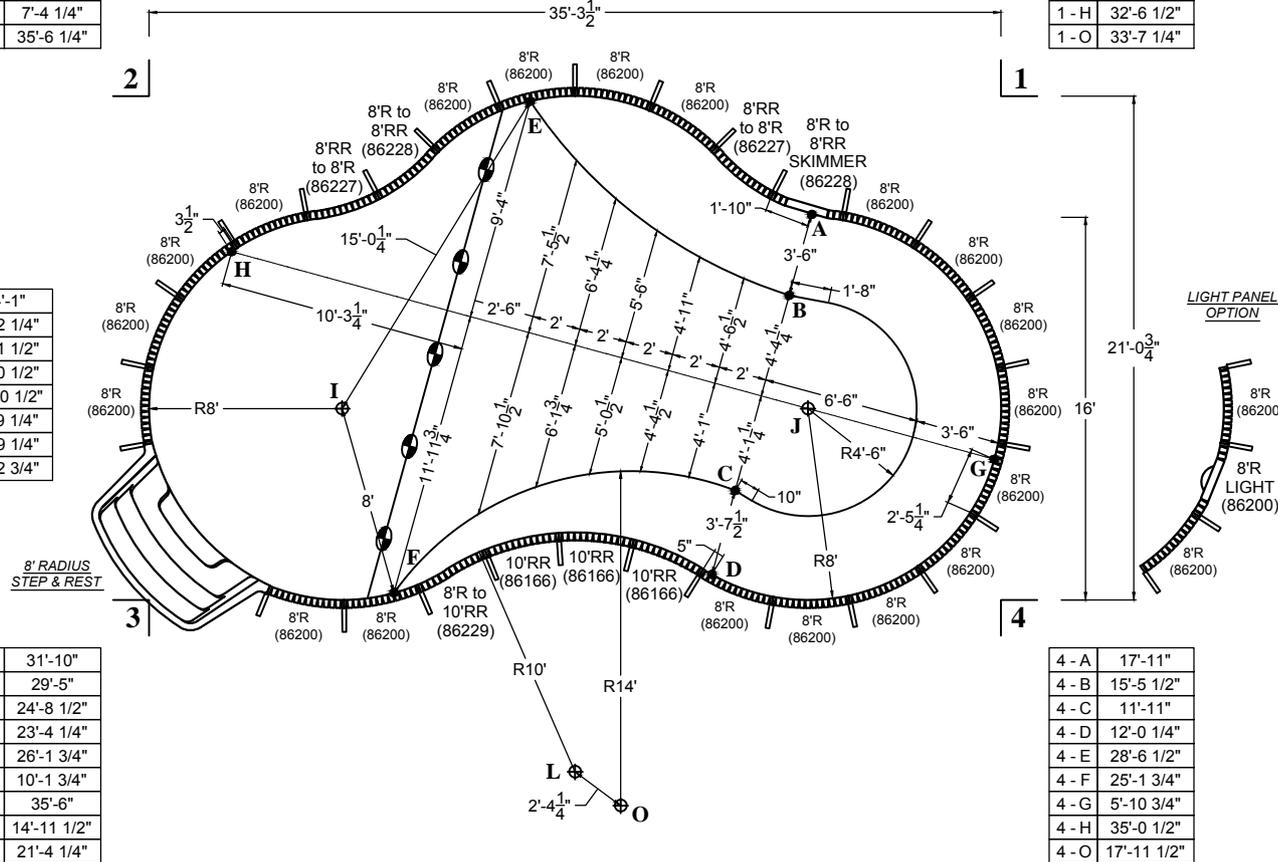
## MOUNTAIN LAKE STANDARD VIEW 21' x 35'

|       |             |
|-------|-------------|
| 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 | 15'-9 1/2"  |
| 2 - F | 23'-1 1/2"  |
| 2 - G | 38'-2"      |
| 2 - H | 7'-4 1/4"   |
| 2 - O | 35'-6 1/4"  |

|       |            |
|-------|------------|
| 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 | 19'-6"     |
| 1 - F | 32'-7 1/2" |
| 1 - G | 15'-2 1/4" |
| 1 - H | 32'-6 1/2" |
| 1 - O | 33'-7 1/4" |

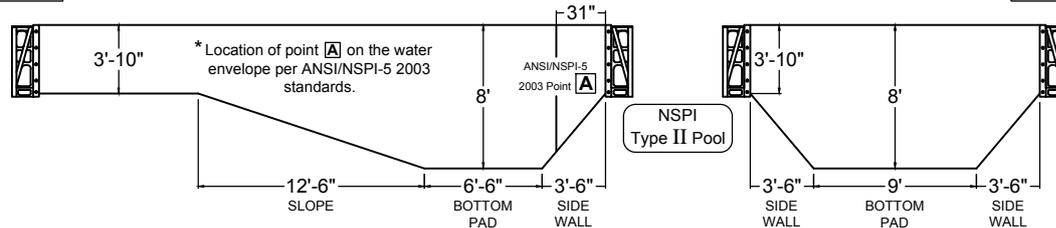
|       |             |
|-------|-------------|
| H - A | 24'-1"      |
| H - B | 23'-2 1/4"  |
| H - C | 23'-1 1/2"  |
| H - D | 24'-0 1/2"  |
| H - E | 13'-10 1/2" |
| H - F | 15'-9 1/4"  |
| H - G | 32'-9 1/4"  |
| H - O | 28'-2 3/4"  |



|       |            |
|-------|------------|
| G - A | 12'-8 3/4" |
| G - B | 10'-11"    |
| G - C | 10'-9 3/4" |
| G - D | 12'-7 3/4" |
| G - E | 24'-4 1/4" |
| G - F | 25'-5 3/4" |
| G - H | 32'-9 1/4" |
| G - O | 21'-2 1/2" |

|       |             |
|-------|-------------|
| 3 - A | 31'-10"     |
| 3 - B | 29'-5"      |
| 3 - C | 24'-8 1/2"  |
| 3 - D | 23'-4 1/4"  |
| 3 - E | 26'-1 3/4"  |
| 3 - F | 10'-1 3/4"  |
| 3 - G | 35'-6"      |
| 3 - H | 14'-11 1/2" |
| 3 - O | 21'-4 1/4"  |

|       |             |
|-------|-------------|
| 4 - A | 17'-11"     |
| 4 - B | 15'-5 1/2"  |
| 4 - C | 11'-11"     |
| 4 - D | 12'-0 1/4"  |
| 4 - E | 28'-6 1/2"  |
| 4 - F | 25'-1 3/4"  |
| 4 - G | 5'-10 3/4"  |
| 4 - H | 35'-0 1/2"  |
| 4 - O | 17'-11 1/2" |



|                   |                         |                |                            |
|-------------------|-------------------------|----------------|----------------------------|
| POOL SURFACE AREA | → 540.1 ft <sup>2</sup> | LINER SQ. FT.  | → 564.6667 ft <sup>2</sup> |
|                   | → 50.2 m <sup>2</sup>   |                |                            |
| POOL VOLUME       | → 18650 gal             | POOL PERIMETER | → 92'-11"                  |
|                   | → 70600 L               |                | → 28.32 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 1                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 26               | VERSA-FLEX PANEL 48115                 |
| 3                | 10' REVERSE RADIUS STRAP SET 86166S    |
| 19               | 8' RADIUS PANEL STRAP 86200S           |
| 2                | 8'RR to 8'R STRAP SET 86227S           |
| 2                | 8'R to 8'RR STRAP SET 86228S           |
| 1                | 8'R to 10'RR STRAP SET 86229S          |
| 702              | PUSH NUTS 09115                        |
| 28               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | 540.1 ft <sup>2</sup><br>50.2 m <sup>2</sup> | LINER SQ. FT.  | 564.6667 ft <sup>2</sup> |
| POOL VOLUME       | 18650 gal<br>70600 L                         | POOL PERIMETER | 92'-11"<br>28.32 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

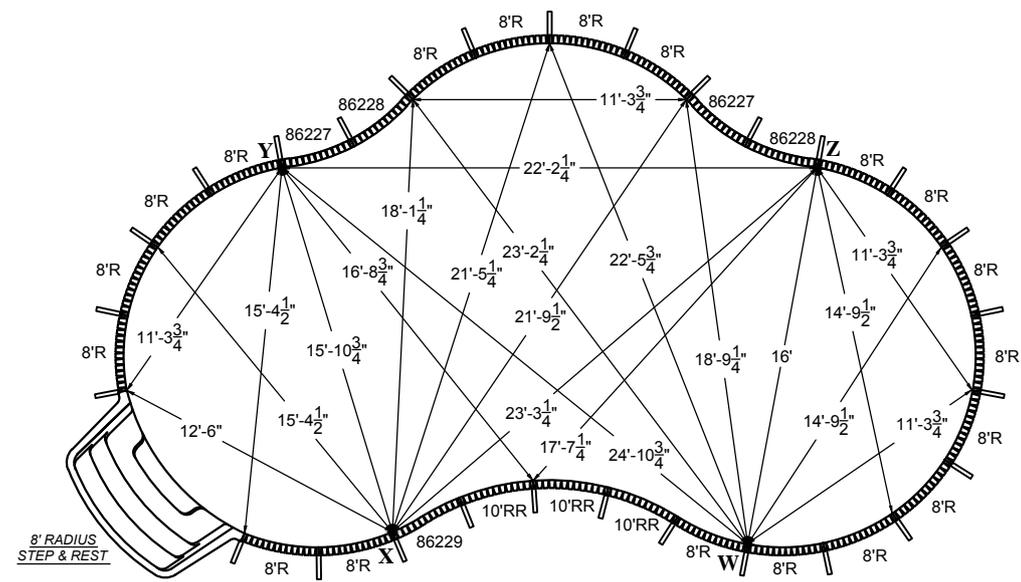
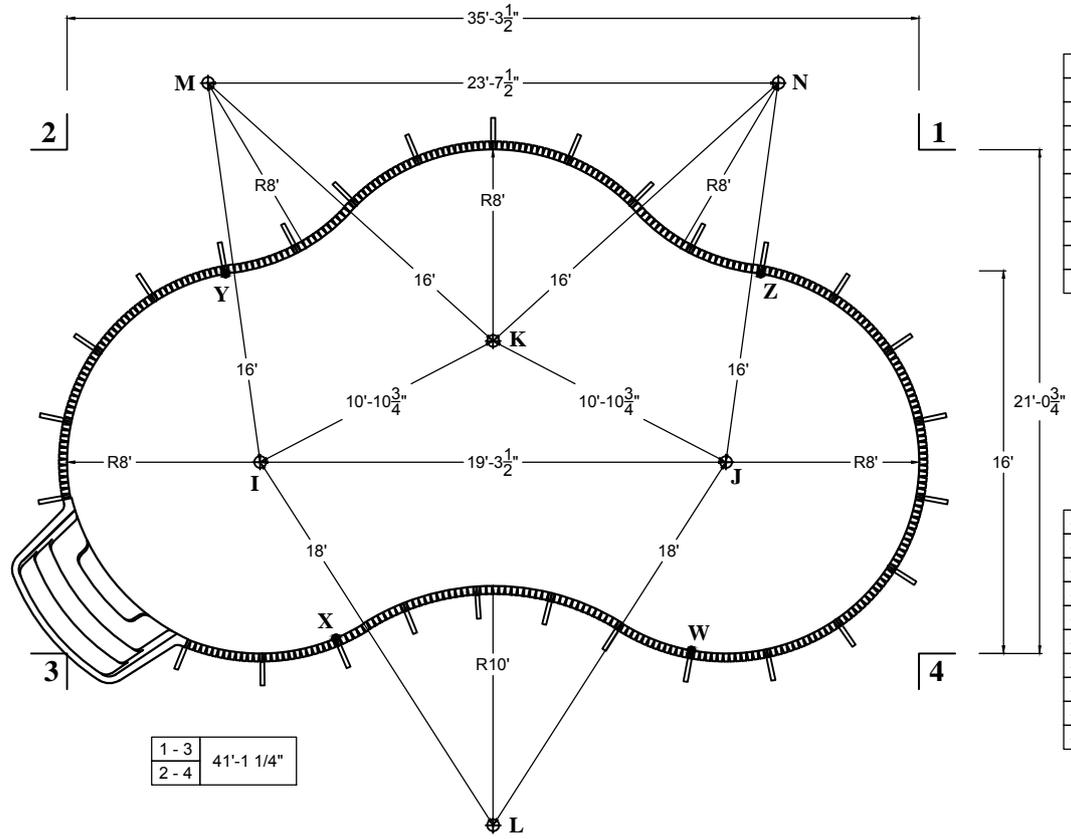
|       |            |
|-------|------------|
| 2 - I | 15'-3 3/4" |
| 2 - J | 30'-3 1/4" |
| 2 - K | 19'-4 1/2" |
| 2 - L | 33'-3 3/4" |
| 2 - M | 6'-5 3/4"  |
| 2 - N | 29'-7 1/4" |
| 2 - W | 33'-3 1/4" |
| 2 - X | 23'-3 1/4" |
| 2 - Y | 8'-4 1/2"  |
| 2 - Z | 29'-2 1/2" |

|       |             |
|-------|-------------|
| 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 - W | 22'-11 1/2" |
| 1 - X | 31'-7 3/4"  |
| 1 - Y | 29'-2 1/2"  |
| 1 - Z | 8'-4 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 - W | 25'-10 1/4" |
| 3 - X | 11'-1 3/4"  |
| 3 - Y | 17'-2"      |
| 3 - Z | 32'-10"     |

|       |             |
|-------|-------------|
| 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 - W | 9'-5 1/4"   |
| 4 - X | 24'-2"      |
| 4 - Y | 32'-10"     |
| 4 - Z | 17'-2"      |

|       |            |
|-------|------------|
| 1 - 3 | 41'-1 1/4" |
| 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 <sup>2</sup><br>50.2 m <sup>2</sup> | LINER SQ. FT.  | → 564.6667 ft <sup>2</sup> |
| POOL VOLUME       | → 18650 gal<br>70600 L                         | POOL PERIMETER | → 92'-11"<br>28.32 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 1                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 26               | VERSA-FLEX PANEL 48115                 |
| 3                | 10' REVERSE RADIUS STRAP SET 86166S    |
| 19               | 8' RADIUS PANEL STRAP 86200S           |
| 2                | 8'RR to 8'R STRAP SET 86227S           |
| 2                | 8'R to 8'RR STRAP SET 86228S           |
| 1                | 10'RR to 8'R STRAP SET 86230S          |
| 702              | PUSH NUTS 09115                        |
| 28               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 19'-6"     |
| 1 - F | 32'-7 1/2" |
| 1 - G | 15'-2 1/4" |
| 1 - H | 32'-6 1/2" |
| 1 - O | 33'-7 1/4" |

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

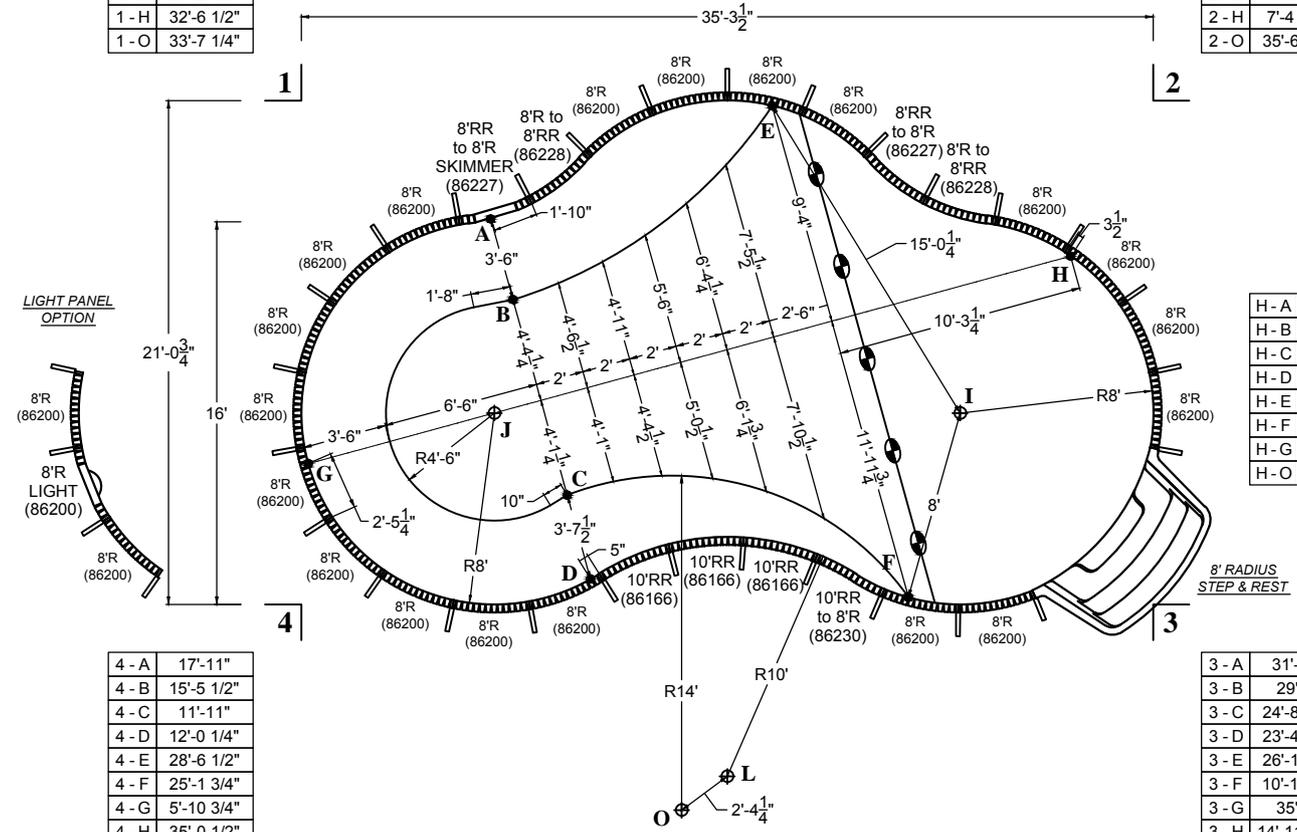
|       |             |
|-------|-------------|
| 2 - A | 27'-10 3/4" |
| 2 - B | 27'-9 3/4"  |
| 2 - C | 29'-4 1/4"  |
| 2 - D | 30'-8 3/4"  |
| 2 - E | 15'-9 1/2"  |
| 2 - F | 23'-1 1/2"  |
| 2 - G | 38'-2"      |
| 2 - H | 7'-4 1/4"   |
| 2 - O | 35'-6 1/4"  |

|       |            |
|-------|------------|
| G - A | 12'-8 3/4" |
| G - B | 10'-11"    |
| G - C | 10'-9 3/4" |
| G - D | 12'-7 3/4" |
| G - E | 24'-4 1/4" |
| G - F | 25'-5 3/4" |
| G - H | 32'-9 1/4" |
| G - O | 21'-2 1/2" |

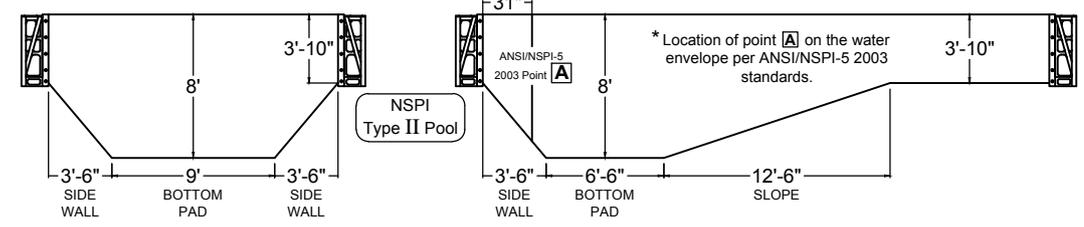
|       |             |
|-------|-------------|
| H - A | 24'-1"      |
| H - B | 23'-2 1/4"  |
| H - C | 23'-1 1/2"  |
| H - D | 24'-0 1/2"  |
| H - E | 13'-10 1/2" |
| H - F | 15'-9 1/4"  |
| H - G | 32'-9 1/4"  |
| H - O | 28'-2 3/4"  |

|       |             |
|-------|-------------|
| 4 - A | 17'-11"     |
| 4 - B | 15'-5 1/2"  |
| 4 - C | 11'-11"     |
| 4 - D | 12'-0 1/4"  |
| 4 - E | 28'-6 1/2"  |
| 4 - F | 25'-1 3/4"  |
| 4 - G | 5'-10 3/4"  |
| 4 - H | 35'-0 1/2"  |
| 4 - O | 17'-11 1/2" |

|       |             |
|-------|-------------|
| 3 - A | 31'-10"     |
| 3 - B | 29'-5"      |
| 3 - C | 24'-8 1/2"  |
| 3 - D | 23'-4 1/4"  |
| 3 - E | 26'-1 3/4"  |
| 3 - F | 10'-1 3/4"  |
| 3 - G | 35'-6"      |
| 3 - H | 14'-11 1/2" |
| 3 - O | 21'-4 1/4"  |



LIGHT PANEL OPTION



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

## MOUNTAIN LAKE REVERSE VIEW 21' x 35'

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 540.1 ft <sup>2</sup><br>50.2 m <sup>2</sup> | LINER SQ. FT.  | → 564.6667 ft <sup>2</sup> |
| POOL VOLUME       | → 18650 gal<br>70600 L                         | POOL PERIMETER | → 92'-11"<br>28.32 m       |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

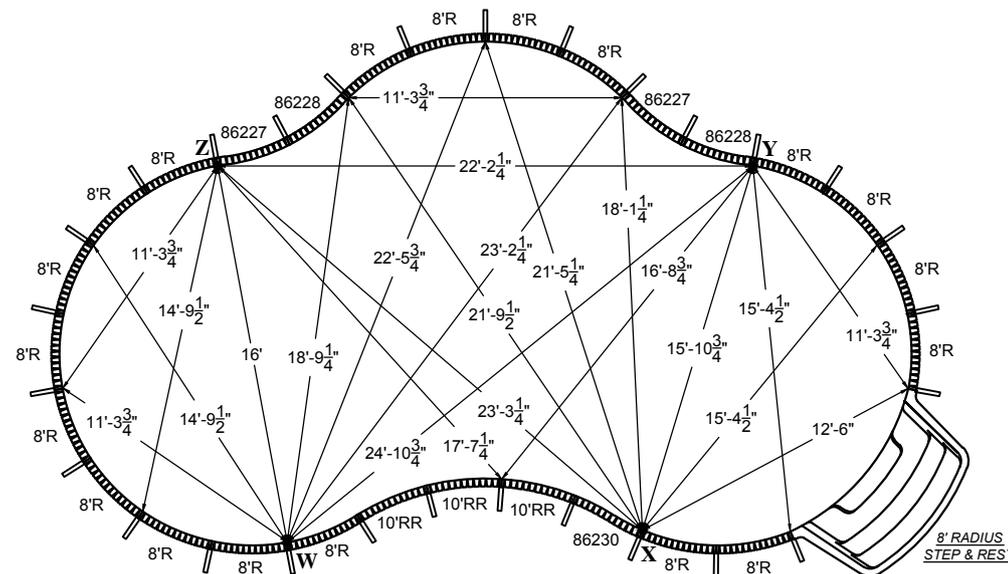
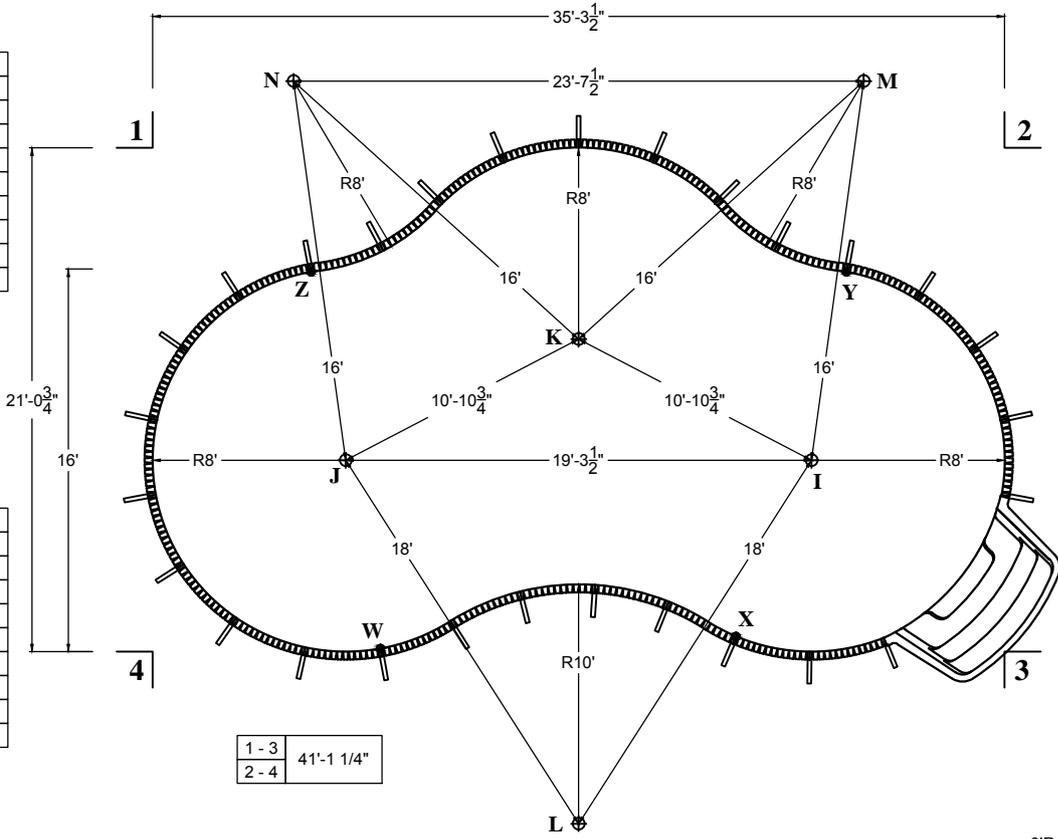
|       |             |
|-------|-------------|
| 1 - I | 30'-3 1/4"  |
| 1 - J | 15'-3 3/4"  |
| 1 - K | 19'-4 1/2"  |
| 1 - L | 33'-3 3/4"  |
| 1 - M | 29'-7 1/4"  |
| 1 - N | 6'-5 3/4"   |
| 1 - W | 22'-11 1/2" |
| 1 - X | 31'-7 3/4"  |
| 1 - Y | 29'-2 1/2"  |
| 1 - Z | 8'-4 1/2"   |

|       |            |
|-------|------------|
| 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 - W | 33'-3 1/4" |
| 2 - X | 23'-3 1/4" |
| 2 - Y | 8'-4 1/2"  |
| 2 - Z | 29'-2 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 - W | 9'-5 1/4"   |
| 4 - X | 24'-2"      |
| 4 - Y | 32'-10"     |
| 4 - Z | 17'-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 - W | 25'-10 1/4" |
| 3 - X | 11'-1 3/4"  |
| 3 - Y | 17'-2"      |
| 3 - Z | 32'-10"     |

|       |            |
|-------|------------|
| 1 - 3 | 41'-1 1/4" |
| 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

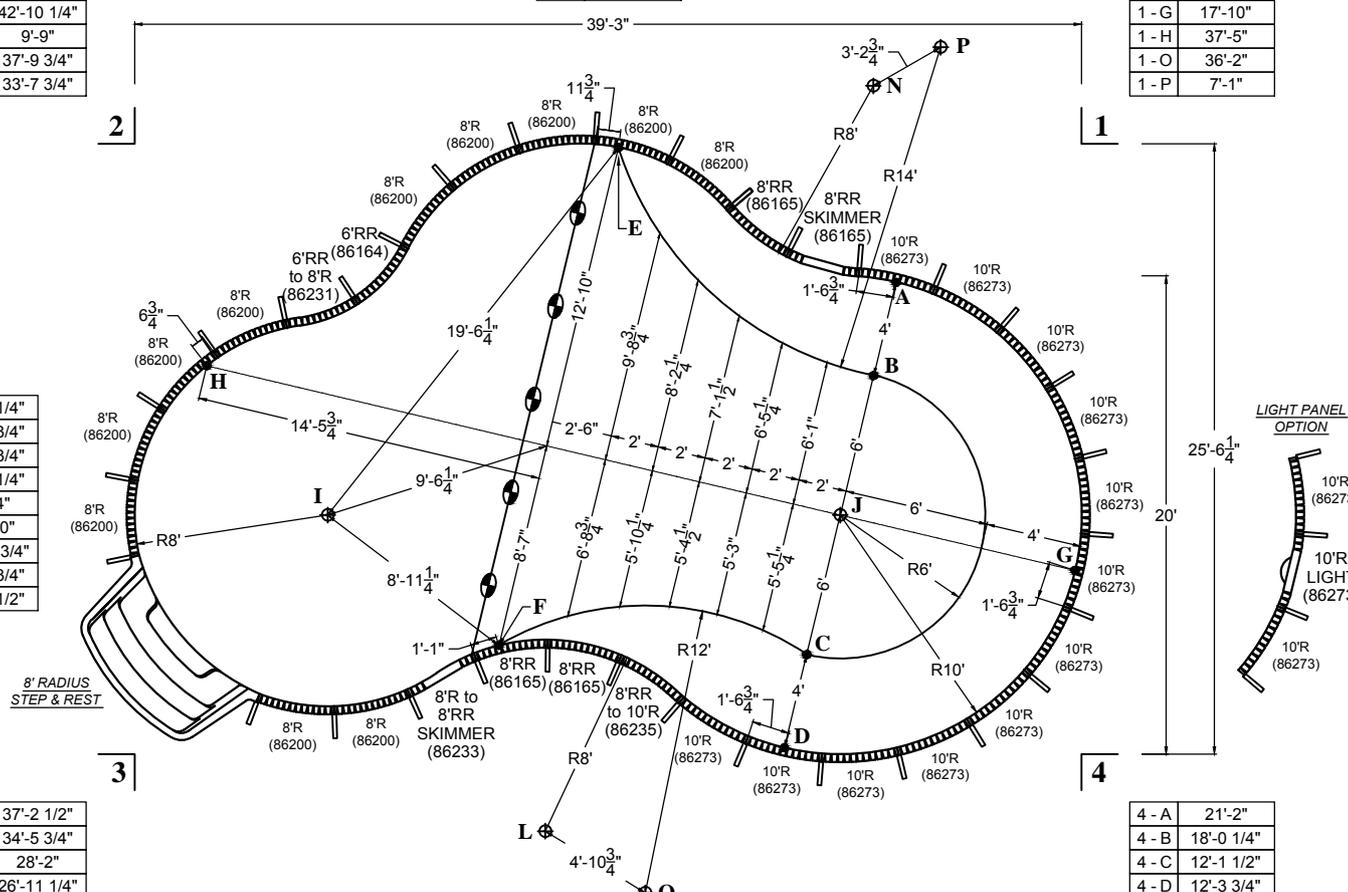
## MOUNTAIN LAKE STANDARD VIEW 26' x 39'

|       |             |
|-------|-------------|
| 2 - A | 32'-1"      |
| 2 - B | 32'-1 1/2"  |
| 2 - C | 35'-1 1/4"  |
| 2 - D | 36'-11"     |
| 2 - E | 20'-0 1/2"  |
| 2 - F | 25'-10 1/4" |
| 2 - G | 42'-10 1/4" |
| 2 - H | 9'-9"       |
| 2 - O | 37'-9 3/4"  |
| 2 - P | 33'-7 3/4"  |

|       |            |
|-------|------------|
| 1 - 3 | 46'-9 3/4" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 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 | 19'-2 1/4"  |
| 1 - F | 31'-11 3/4" |
| 1 - G | 17'-10"     |
| 1 - H | 37'-5"      |
| 1 - O | 36'-2"      |
| 1 - P | 7'-1"       |

|       |             |
|-------|-------------|
| 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 | 19'-4"      |
| H - F | 16'-10"     |
| H - G | 36'-11 3/4" |
| H - O | 28'-6 3/4"  |
| H - P | 33'-2 1/2"  |



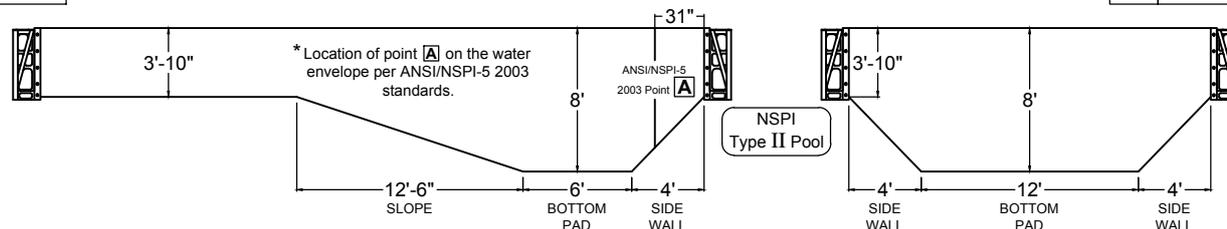
LIGHT PANEL  
OPTION



|       |             |
|-------|-------------|
| G - A | 14'-1 3/4"  |
| G - B | 11'-8"      |
| G - C | 11'-8"      |
| G - D | 14'-1 3/4"  |
| G - E | 25'-10 3/4" |
| G - F | 24'-1"      |
| G - H | 36'-11 3/4" |
| G - O | 22'-4"      |
| G - P | 22'-6 3/4"  |

|       |             |
|-------|-------------|
| 3 - A | 37'-2 1/2"  |
| 3 - B | 34'-5 3/4"  |
| 3 - C | 28'-2"      |
| 3 - D | 26'-11 1/4" |
| 3 - E | 32'-4"      |
| 3 - F | 15'-9 1/4"  |
| 3 - G | 39'-8 3/4"  |
| 3 - H | 16'-6 1/4"  |
| 3 - O | 21'-11 1/4" |
| 3 - P | 44'-7 1/4"  |

|       |             |
|-------|-------------|
| 4 - A | 21'-2"      |
| 4 - B | 18'-0 1/4"  |
| 4 - C | 12'-1 1/2"  |
| 4 - D | 12'-3 3/4"  |
| 4 - E | 31'-9 3/4"  |
| 4 - F | 24'-6 3/4"  |
| 4 - G | 7'-8 1/4"   |
| 4 - H | 39'-8 1/2"  |
| 4 - O | 18'-11 3/4" |
| 4 - P | 30'-1 1/2"  |



**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

|  |                                 |  |                |                        |
|--|---------------------------------|--|----------------|------------------------|
| 8' RADIUS STEP   | POOL SURFACE AREA               | 685.3 ft <sup>2</sup><br>63.7 m <sup>2</sup> | LINER SQ. FT.  | 785.00 ft <sup>2</sup> |
|  | POOL VOLUME                     | 27500 gal<br>104100 L                        | POOL PERIMETER | 105'-5"<br>31.13 m     |
| <b>DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA</b>         |                                 |  |                |                        |
|  | ITEM DESCRIPTION                |  |                | PART #                 |
| 2  | VERSA-FLEX SKIMMER PANEL        |  |                | 48116S                 |
| 29   | VERSA-FLEX PANEL                |  |                | 48115                  |
| 4  | 8' REVERSE RADIUS STRAP SET     |  |                | 86165S                 |
| 1  | 6' REVERSE RADIUS STRAP SET     |  |                | 86164S                 |
| 12   | 10' RADIUS STRAP SET            |  |                | 86273S                 |
| 11   | 8' RADIUS STRAP SET             |  |                | 86200S                 |
| 1  | 6'RR to 8'R STRAP SET           |  |                | 86231S                 |
| 1  | 8'R to 8'RR STRAP SET           |  |                | 86233S                 |
| 1  | 8'RR to 10'R STRAP SET          |  |                | 86235S                 |
| 806  | PUSH NUTS                       |  |                | 09115                  |
| 32   | BRACE SYSTEM COMPLETE           |  |                | 48146                  |
| 1  | 8' RADIUS STEP & REST           |  |                | 07418RSNR48            |
| 14*  | 3/8"-16X HEX WASHER HEAD BOLT   |  |                | 148838                 |
| 14*  | 3/8"-16 HEX WASHER HEAD NUT     |  |                | 149664                 |
|  | CHANNEL-LOC SONOTUBE            |  |                | 86152                  |
|  | VERSA-FLEX STANDARD LIGHT PANEL |  |                | 48116L                 |
| * - use bolts at step connection                                 |                                 |  |                |                        |
| This configuration is only available with 8' Radius Step & Rest. |                                 |  |                |                        |

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

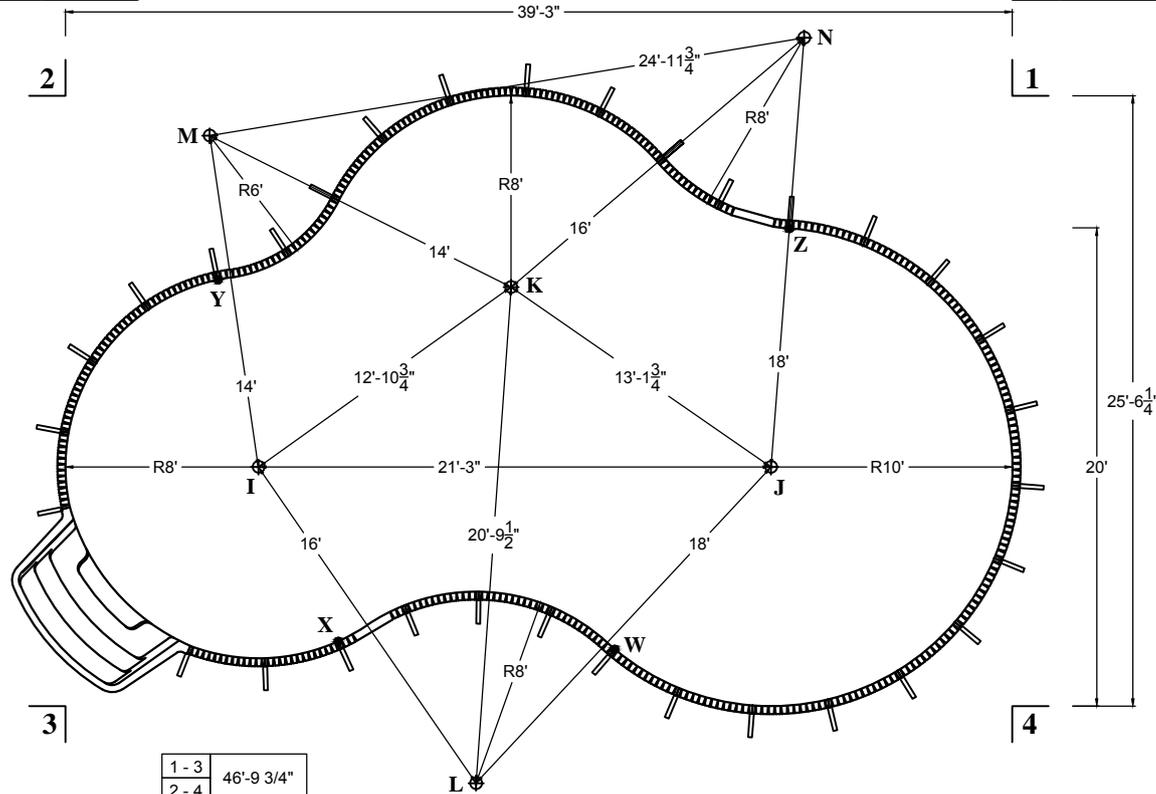
## MOUNTAIN LAKE STANDARD VIEW 26' x 39'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | → 685.3 ft <sup>2</sup><br>63.7 m <sup>2</sup> | LINER SQ. FT.  | → 785.00 ft <sup>2</sup> |
| POOL VOLUME       | → 27500 gal<br>104100 L                        | POOL PERIMETER | → 105'-5"<br>31.13 m     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

|       |            |
|-------|------------|
| 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 - W | 32'-5 1/2" |
| 2 - X | 25'-5 1/2" |
| 2 - Y | 9'-11 1/2" |
| 2 - Z | 30'-6 1/4" |

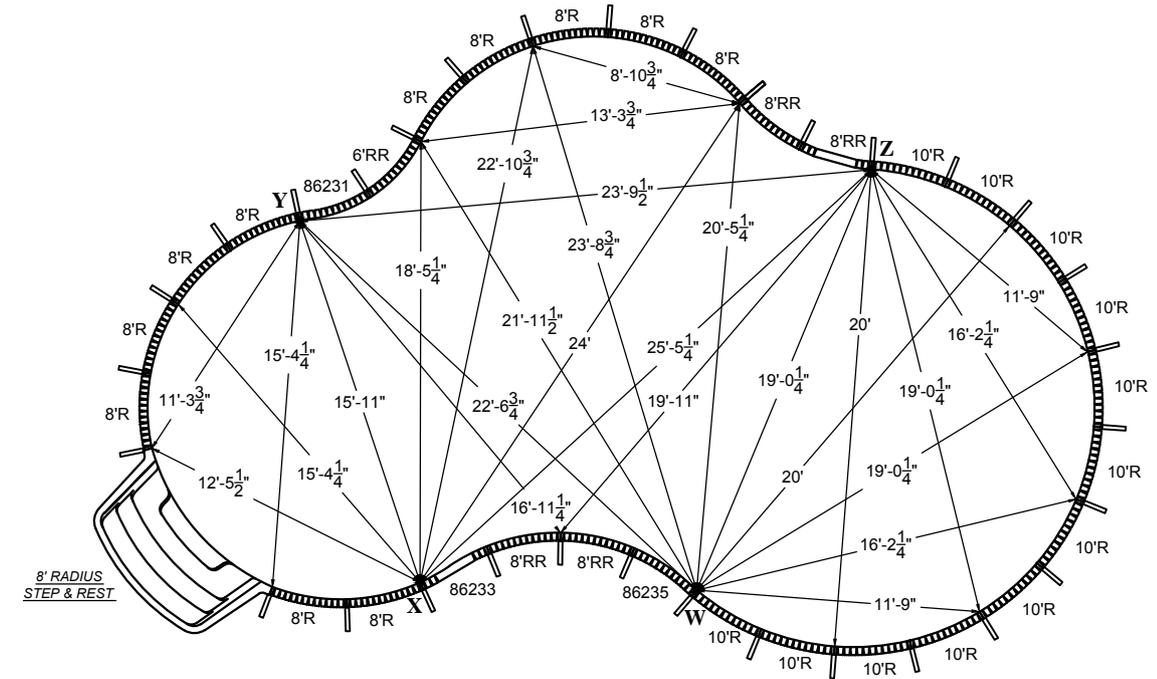
|       |             |
|-------|-------------|
| 1 - I | 34'-10 3/4" |
| 1 - J | 18'-5 3/4"  |
| 1 - K | 22'-3"      |
| 1 - L | 36'-4"      |
| 1 - M | 33'-3 1/2"  |
| 1 - N | 8'-11 1/2"  |
| 1 - W | 28'-5"      |
| 1 - X | 36'-0 3/4"  |
| 1 - Y | 33'-9 3/4"  |
| 1 - Z | 10'-9 1/4"  |



|       |             |
|-------|-------------|
| 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 - W | 22'-10 3/4" |
| 3 - X | 11'-7 1/2"  |
| 3 - Y | 18'-11"     |
| 3 - Z | 36'-0 1/2"  |

|       |            |
|-------|------------|
| 1 - 3 | 46'-9 3/4" |
| 2 - 4 |            |

|       |            |
|-------|------------|
| 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 - W | 16'-7 3/4" |
| 4 - X | 28'-0 3/4" |
| 4 - Y | 37'-5 1/4" |
| 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 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 A.N.S.I. / N.S.P.I. suggested standards.

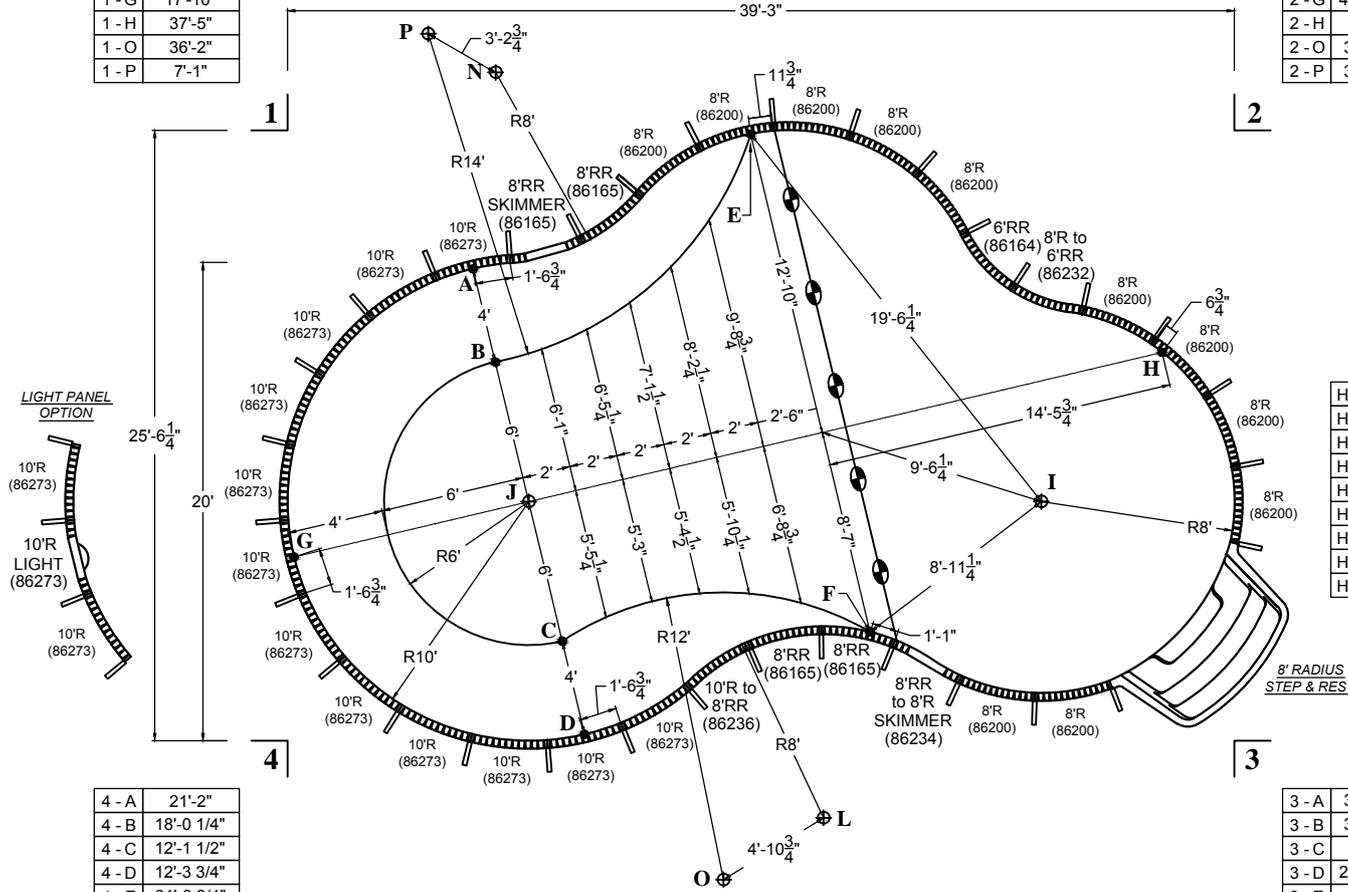
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

## MOUNTAIN LAKE REVERSE VIEW 26' x 39'

|       |             |
|-------|-------------|
| 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 | 19'-2 1/4"  |
| 1 - F | 31'-11 3/4" |
| 1 - G | 17'-10"     |
| 1 - H | 37'-5"      |
| 1 - O | 36'-2"      |
| 1 - P | 7'-1"       |

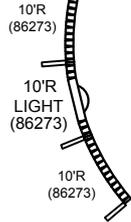
|       |            |
|-------|------------|
| 1 - 3 | 46'-9 3/4" |
| 2 - 4 |            |

|       |             |
|-------|-------------|
| 2 - A | 32'-1"      |
| 2 - B | 32'-1 1/2"  |
| 2 - C | 35'-1 1/4"  |
| 2 - D | 36'-11"     |
| 2 - E | 20'-0 1/2"  |
| 2 - F | 25'-10 1/4" |
| 2 - G | 42'-10 1/4" |
| 2 - H | 9'-9"       |
| 2 - O | 37'-9 3/4"  |
| 2 - P | 33'-7 3/4"  |



|       |             |
|-------|-------------|
| G - A | 14'-1 3/4"  |
| G - B | 11'-8"      |
| G - C | 11'-8"      |
| G - D | 14'-1 3/4"  |
| G - E | 25'-10 3/4" |
| G - F | 24'-1"      |
| G - H | 36'-11 3/4" |
| G - O | 22'-4"      |
| G - P | 22'-6 3/4"  |

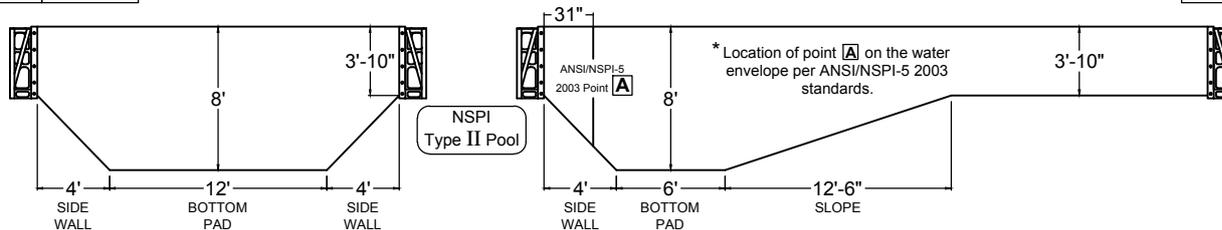
LIGHT PANEL  
OPTION



|       |             |
|-------|-------------|
| 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 | 19'-4"      |
| H - F | 16'-10"     |
| H - G | 36'-11 3/4" |
| H - O | 28'-6 3/4"  |
| H - P | 33'-2 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 | 31'-9 3/4"  |
| 4 - F | 24'-6 3/4"  |
| 4 - G | 7'-8 1/4"   |
| 4 - H | 39'-8 1/2"  |
| 4 - O | 18'-11 3/4" |
| 4 - P | 30'-1 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 | 32'-4"      |
| 3 - F | 15'-9 1/4"  |
| 3 - G | 39'-8 3/4"  |
| 3 - H | 16'-6 1/4"  |
| 3 - O | 21'-11 1/4" |
| 3 - P | 44'-7 1/4"  |



\* Location of point A on the water envelope per ANSI/NSPI-5 2003 standards.

|                   |                         |                |                          |
|-------------------|-------------------------|----------------|--------------------------|
| POOL SURFACE AREA | → 685.3 ft <sup>2</sup> | LINER SQ. FT.  | → 785.00 ft <sup>2</sup> |
| POOL VOLUME       | → 27500 gal             | POOL PERIMETER | → 105'-5"                |
|                   | 104100 L                |                | 31.13 m                  |

### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 2                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 29               | VERSA-FLEX PANEL 48115                 |
| 4                | 8' REVERSE RADIUS STRAP SET 86165S     |
| 1                | 6' REVERSE RADIUS STRAP SET 86164S     |
| 12               | 10' RADIUS STRAP SET 86273S            |
| 11               | 8' RADIUS STRAP SET 86200S             |
| 1                | 8'R to 6'RR STRAP SET 86232S           |
| 1                | 8'RR to 8'R STRAP SET 86234S           |
| 1                | 10'R to 8'RR STRAP SET 86236S          |
| 806              | PUSH NUTS 09115                        |
| 32               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

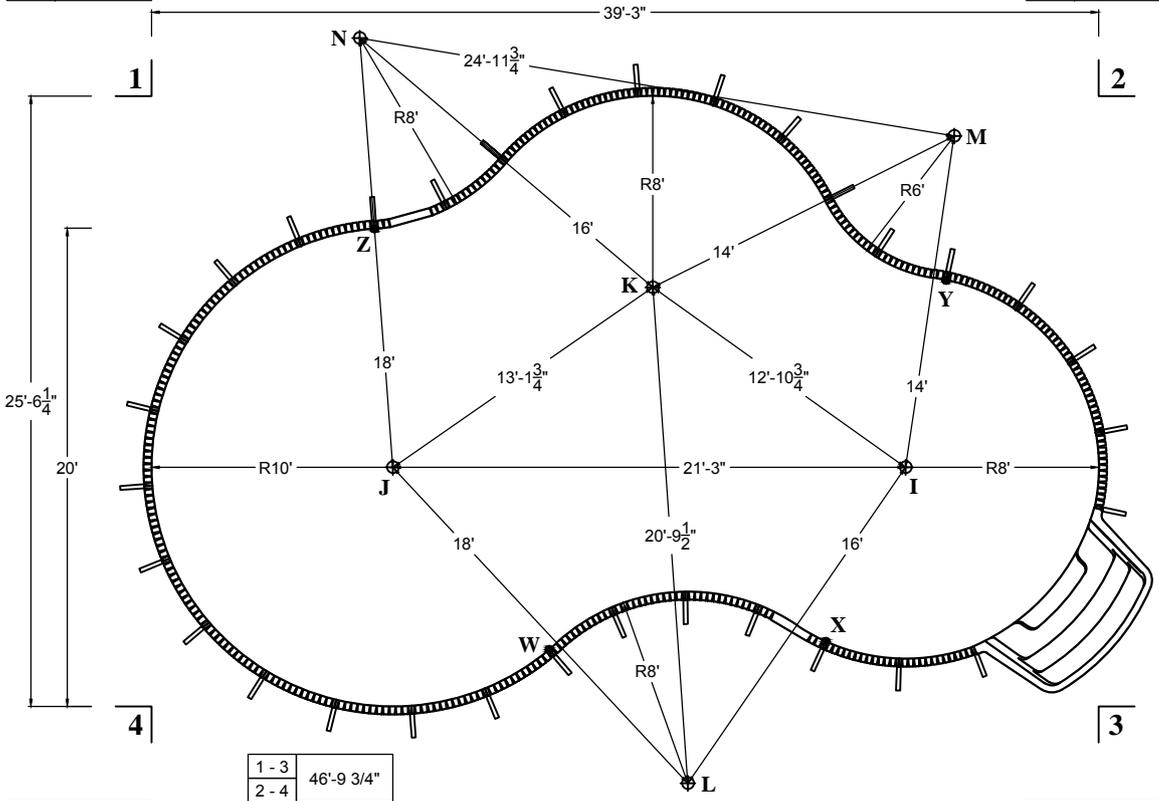
## MOUNTAIN LAKE REVERSE VIEW 26' x 39'

|                   |  |                |                          |
|-------------------|--|----------------|--------------------------|
| POOL SURFACE AREA | → 685.3 ft <sup>2</sup><br>63.7 m <sup>2</sup> | LINER SQ. FT.  | → 785.00 ft <sup>2</sup> |
| POOL VOLUME       | → 27500 gal<br>104100 L                        | POOL PERIMETER | → 105'-5"<br>31.13 m     |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

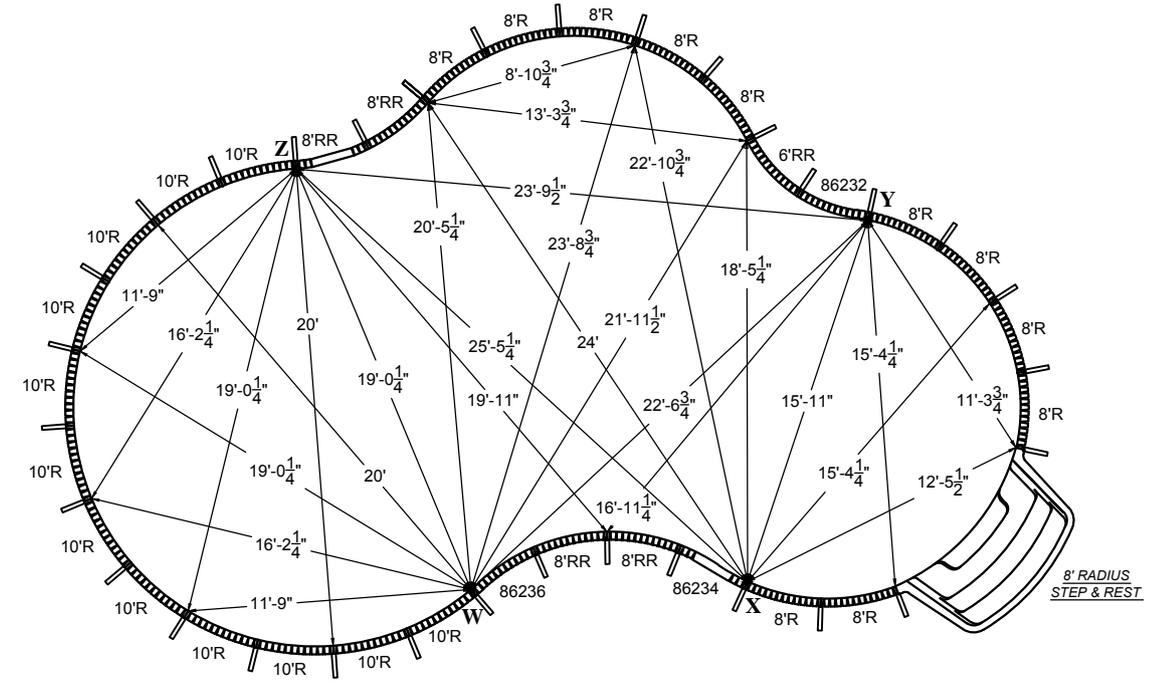
|       |             |
|-------|-------------|
| 1 - I | 34'-10 3/4" |
| 1 - J | 18'-5 3/4"  |
| 1 - K | 22'-3"      |
| 1 - L | 36'-4"      |
| 1 - M | 33'-3 1/2"  |
| 1 - N | 8'-11 1/2"  |
| 1 - W | 28'-5"      |
| 1 - X | 36'-0 3/4"  |
| 1 - Y | 33'-9 3/4"  |
| 1 - Z | 10'-9 1/4"  |

|       |            |
|-------|------------|
| 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 - W | 32'-5 1/2" |
| 2 - X | 25'-5 1/2" |
| 2 - Y | 9'-11 1/2" |
| 2 - Z | 30'-6 1/4" |



|       |            |
|-------|------------|
| 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 - W | 16'-7 3/4" |
| 4 - X | 28'-0 3/4" |
| 4 - Y | 37'-5 1/4" |
| 4 - Z | 22'        |

|       |             |
|-------|-------------|
| 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 - W | 22'-10 3/4" |
| 3 - X | 11'-7 1/2"  |
| 3 - Y | 18'-11"     |
| 3 - Z | 36'-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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 16' x 34' x 25'

|                    |  |                 |                            |
|--------------------|--|-----------------|----------------------------|
| PPOOL SURFACE AREA | → 572.6 ft <sup>2</sup><br>53.2 m <sup>2</sup> | LINER SQ. FT.   | → 670.2917 ft <sup>2</sup> |
| PPOOL VOLUME       | → 17300 gal<br>65500 L                         | PPOOL PERIMETER | → 102'-5"<br>31.21 m       |

**NO DIVING ALLOWED IN THIS POOL**

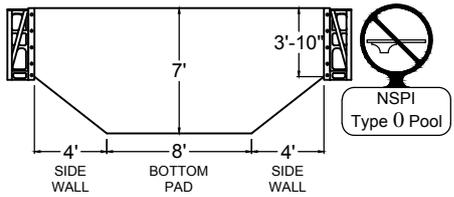
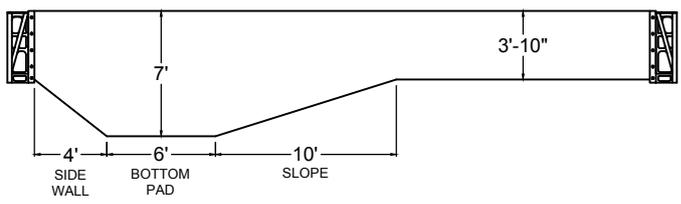
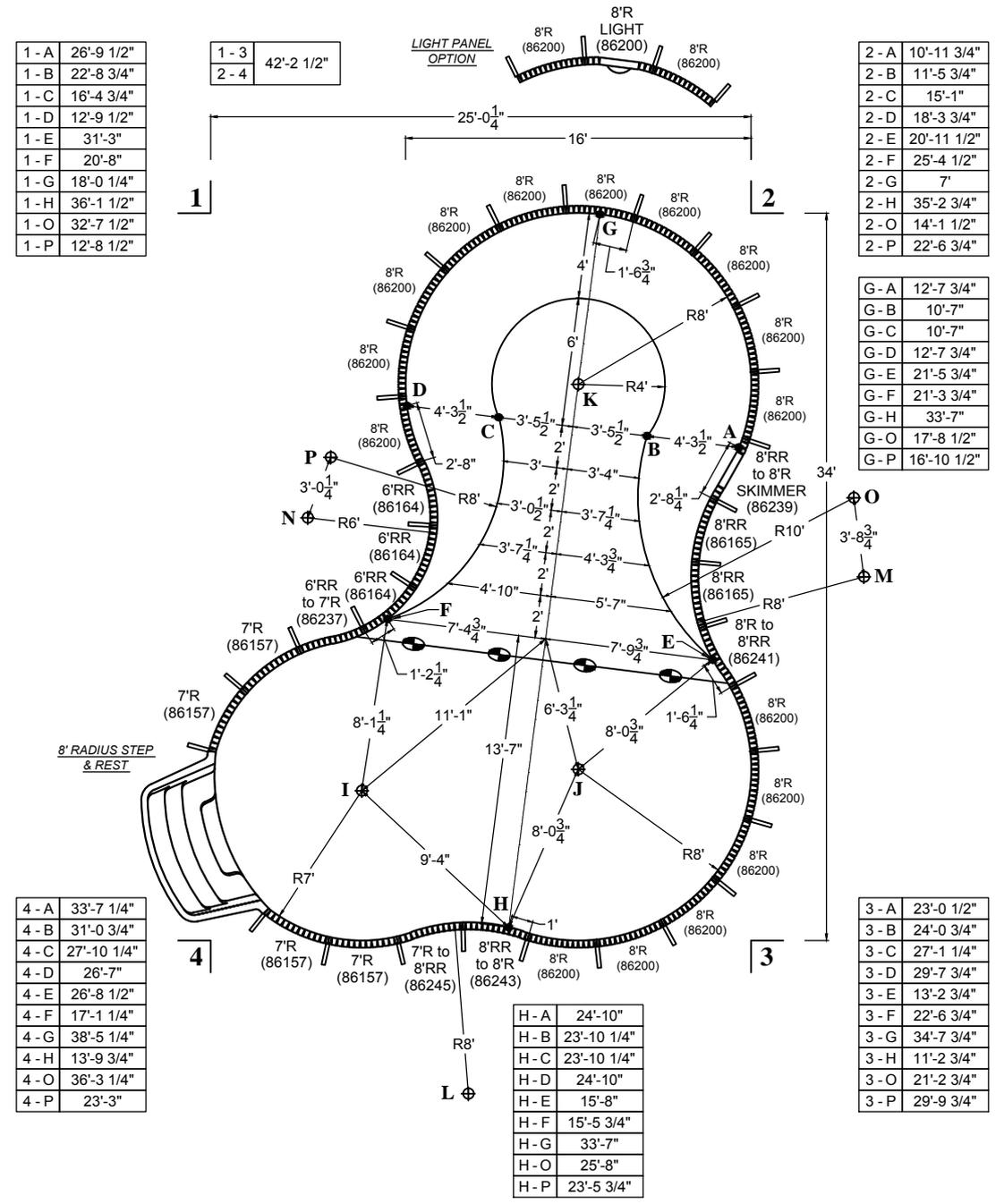
| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 29 VERSA-FLEX PANEL               | 48115       |
| 2 8' REVERSE RADIUS STRAP SET     | 86165S      |
| 3 6' REVERSE RADIUS STRAP SET     | 86164S      |
| 16 8' RADIUS STRAP SET            | 86200S      |
| 4 7' RADIUS STRAP SET             | 86157S      |
| 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      |
| 780 PUSH NUTS                     | 09115       |
| 31 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



|       |             |
|-------|-------------|
| 4 - A | 33'-7 1/4"  |
| 4 - B | 31'-0 3/4"  |
| 4 - C | 27'-10 1/4" |
| 4 - D | 26'-7"      |
| 4 - E | 26'-8 1/2"  |
| 4 - F | 17'-1 1/4"  |
| 4 - G | 38'-5 1/4"  |
| 4 - H | 13'-9 3/4"  |
| 4 - O | 36'-3 1/4"  |
| 4 - P | 23'-3"      |

|       |             |
|-------|-------------|
| H - A | 24'-10"     |
| H - B | 23'-10 1/4" |
| H - C | 23'-10 1/4" |
| H - D | 24'-10"     |
| H - E | 15'-8"      |
| H - F | 15'-5 3/4"  |
| H - G | 33'-7"      |
| H - O | 25'-8"      |
| H - P | 23'-5 3/4"  |

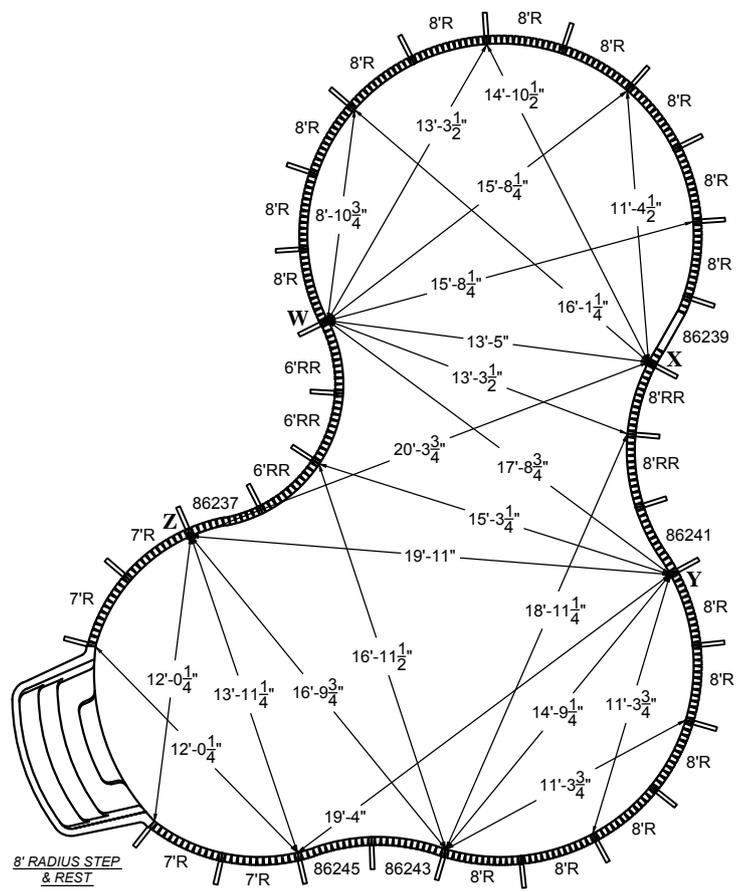
|       |            |
|-------|------------|
| 3 - A | 23'-0 1/2" |
| 3 - B | 24'-0 3/4" |
| 3 - C | 27'-1 1/4" |
| 3 - D | 29'-7 3/4" |
| 3 - E | 13'-2 3/4" |
| 3 - F | 22'-6 3/4" |
| 3 - G | 34'-7 3/4" |
| 3 - H | 11'-2 3/4" |
| 3 - O | 21'-2 3/4" |
| 3 - P | 29'-9 3/4" |

|       |             |
|-------|-------------|
| G - A | 12'-7 3/4"  |
| G - B | 10'-7"      |
| G - C | 10'-7"      |
| G - D | 12'-7 3/4"  |
| G - E | 21'-5 3/4"  |
| G - F | 21'-3 3/4"  |
| G - H | 33'-7"      |
| G - O | 17'-8 1/2"  |
| G - P | 16'-10 1/2" |

## LAGOON LEFT 16' x 34' x 25'

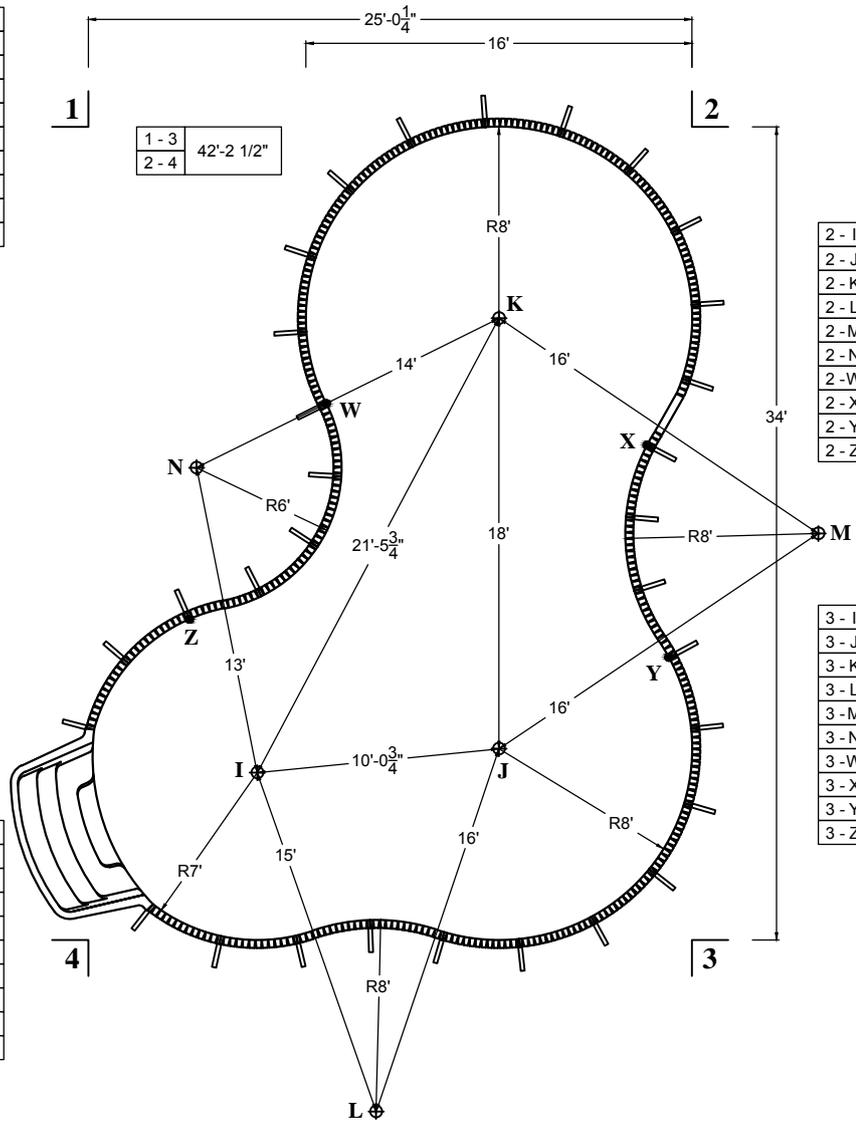
|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 572.6 ft <sup>2</sup><br>→ 53.2 m <sup>2</sup> | LINER SQ. FT.  | → 670.2917 ft <sup>2</sup> |
| POOL VOLUME       | → 17300 gal<br>→ 65500 L                         | POOL PERIMETER | → 102'-5"<br>→ 31.21 m     |

**NO DIVING ALLOWED IN THIS POOL**



|       |             |
|-------|-------------|
| 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'         |

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

|       |             |
|-------|-------------|
| 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"  |

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

## LAGOON RIGHT 16' x 34' x 25'

|                   |                         |                |                            |
|-------------------|-------------------------|----------------|----------------------------|
| POOL SURFACE AREA | → 572.6 ft <sup>2</sup> | LINER SQ. FT.  | → 670.2917 ft <sup>2</sup> |
|                   | → 53.2 m <sup>2</sup>   |                |                            |
| POOL VOLUME       | → 17300 gal             | POOL PERIMETER | → 102'-5"                  |
|                   | → 65500 L               |                | → 31.21 m                  |

**NO DIVING ALLOWED IN THIS POOL**

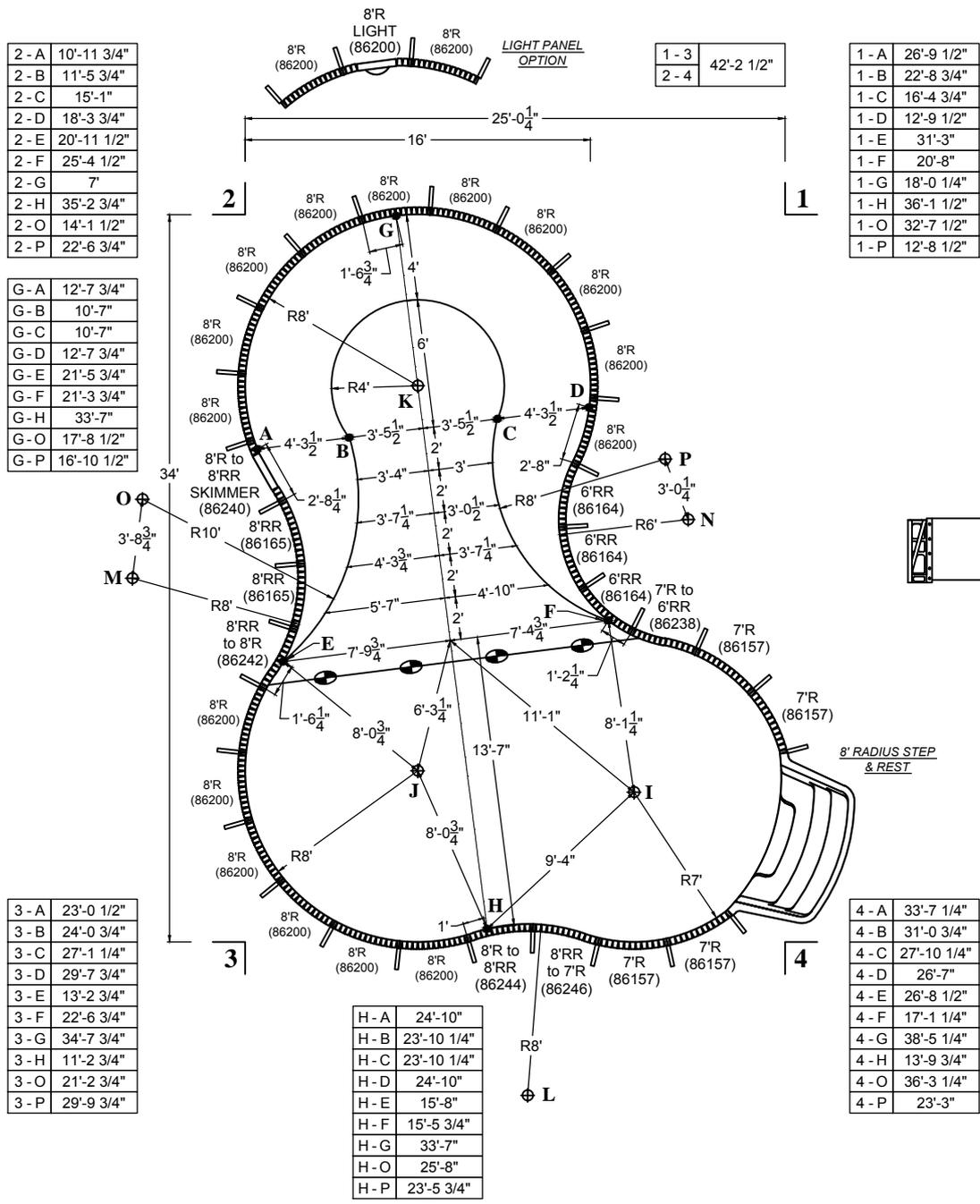
| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 1 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 29 VERSA-FLEX PANEL               | 48115       |
| 2 8' REVERSE RADIUS STRAP SET     | 86165S      |
| 3 6' REVERSE RADIUS STRAP SET     | 86164S      |
| 16 8' RADIUS STRAP SET            | 86200S      |
| 4 7' RADIUS STRAP SET             | 86157S      |
| 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      |
| 780 PUSH NUTS                     | 09115       |
| 31 BRACE SYSTEM COMPLETE          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.



|       |             |
|-------|-------------|
| 2 - A | 10'-11 3/4" |
| 2 - B | 11'-5 3/4"  |
| 2 - C | 15'-1"      |
| 2 - D | 18'-3 3/4"  |
| 2 - E | 20'-11 1/2" |
| 2 - F | 25'-4 1/2"  |
| 2 - G | 7'          |
| 2 - H | 35'-2 3/4"  |
| 2 - O | 14'-1 1/2"  |
| 2 - P | 22'-6 3/4"  |

|       |             |
|-------|-------------|
| G - A | 12'-7 3/4"  |
| G - B | 10'-7"      |
| G - C | 10'-7"      |
| G - D | 12'-7 3/4"  |
| G - E | 21'-5 3/4"  |
| G - F | 21'-3 3/4"  |
| G - H | 33'-7"      |
| G - O | 17'-8 1/2"  |
| G - P | 16'-10 1/2" |

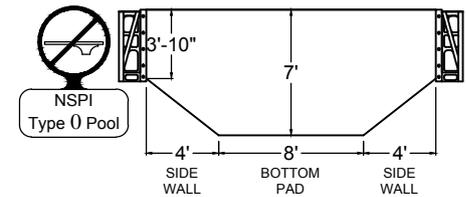
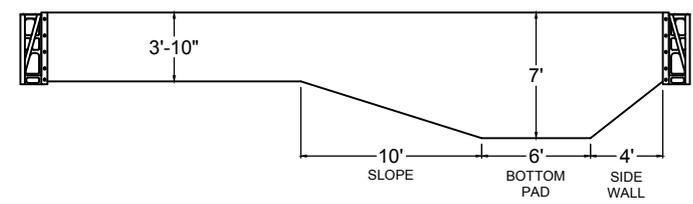
|       |            |
|-------|------------|
| 3 - A | 23'-0 1/2" |
| 3 - B | 24'-0 3/4" |
| 3 - C | 27'-1 1/4" |
| 3 - D | 29'-7 3/4" |
| 3 - E | 13'-2 3/4" |
| 3 - F | 22'-6 3/4" |
| 3 - G | 34'-7 3/4" |
| 3 - H | 11'-2 3/4" |
| 3 - O | 21'-2 3/4" |
| 3 - P | 29'-9 3/4" |

|       |             |
|-------|-------------|
| H - A | 24'-10"     |
| H - B | 23'-10 1/4" |
| H - C | 23'-10 1/4" |
| H - D | 24'-10"     |
| H - E | 15'-8"      |
| H - F | 15'-5 3/4"  |
| H - G | 33'-7"      |
| H - O | 25'-8"      |
| H - P | 23'-5 3/4"  |

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

|       |            |
|-------|------------|
| 1 - A | 26'-9 1/2" |
| 1 - B | 22'-8 3/4" |
| 1 - C | 16'-4 3/4" |
| 1 - D | 12'-9 1/2" |
| 1 - E | 31'-3"     |
| 1 - F | 20'-8"     |
| 1 - G | 18'-0 1/4" |
| 1 - H | 36'-1 1/2" |
| 1 - O | 32'-7 1/2" |
| 1 - P | 12'-8 1/2" |

|       |             |
|-------|-------------|
| 4 - A | 33'-7 1/4"  |
| 4 - B | 31'-0 3/4"  |
| 4 - C | 27'-10 1/4" |
| 4 - D | 26'-7"      |
| 4 - E | 26'-8 1/2"  |
| 4 - F | 17'-1 1/4"  |
| 4 - G | 38'-5 1/4"  |
| 4 - H | 13'-9 3/4"  |
| 4 - O | 36'-3 1/4"  |
| 4 - P | 23'-3"      |

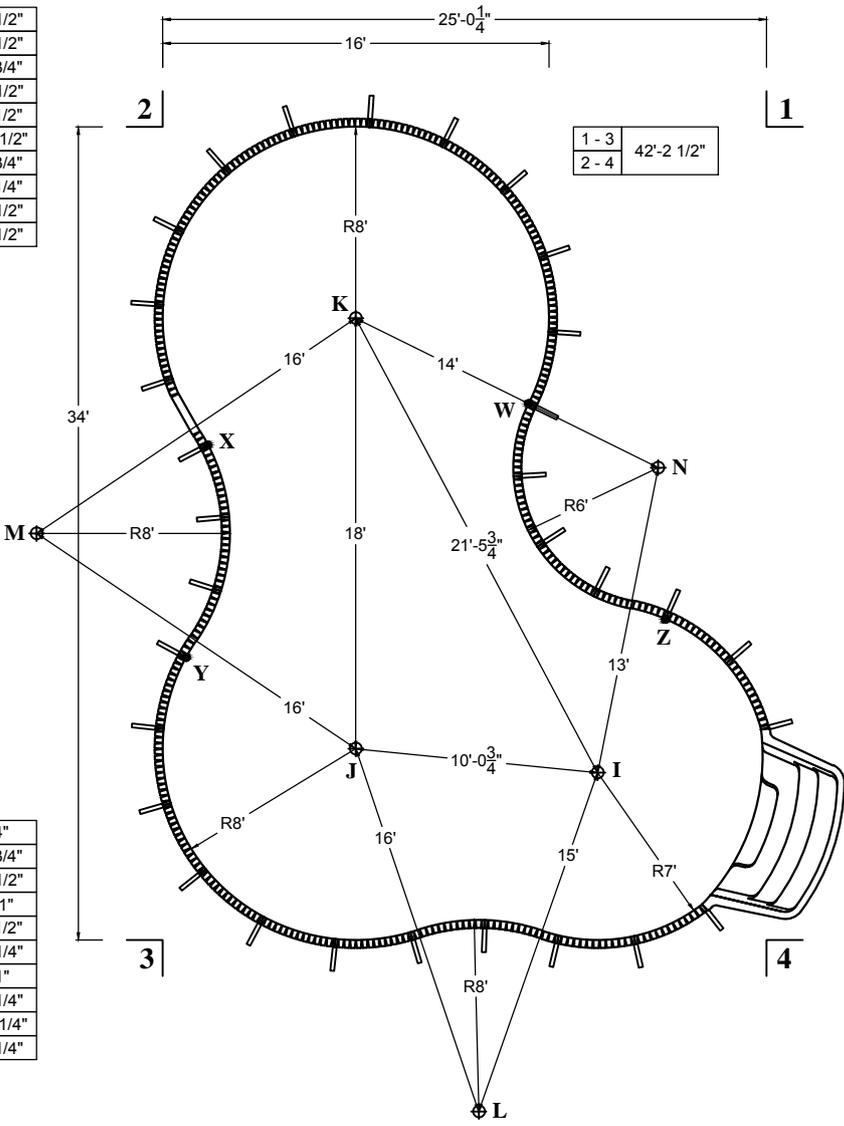
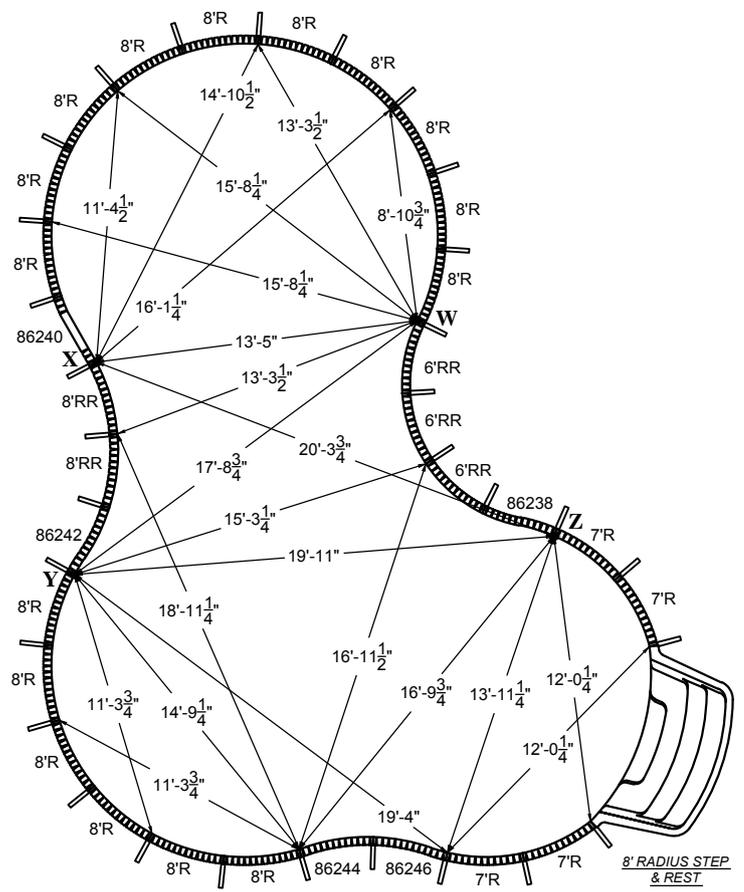


|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 572.6 ft <sup>2</sup><br>→ 53.2 m <sup>2</sup> | LINER SQ. FT.  | → 670.2917 ft <sup>2</sup> |
| POOL VOLUME       | → 17300 gal<br>→ 65500 L                         | POOL PERIMETER | → 102'-5"<br>→ 31.21 m     |

**NO DIVING ALLOWED IN THIS POOL**

|       |             |
|-------|-------------|
| 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"  |



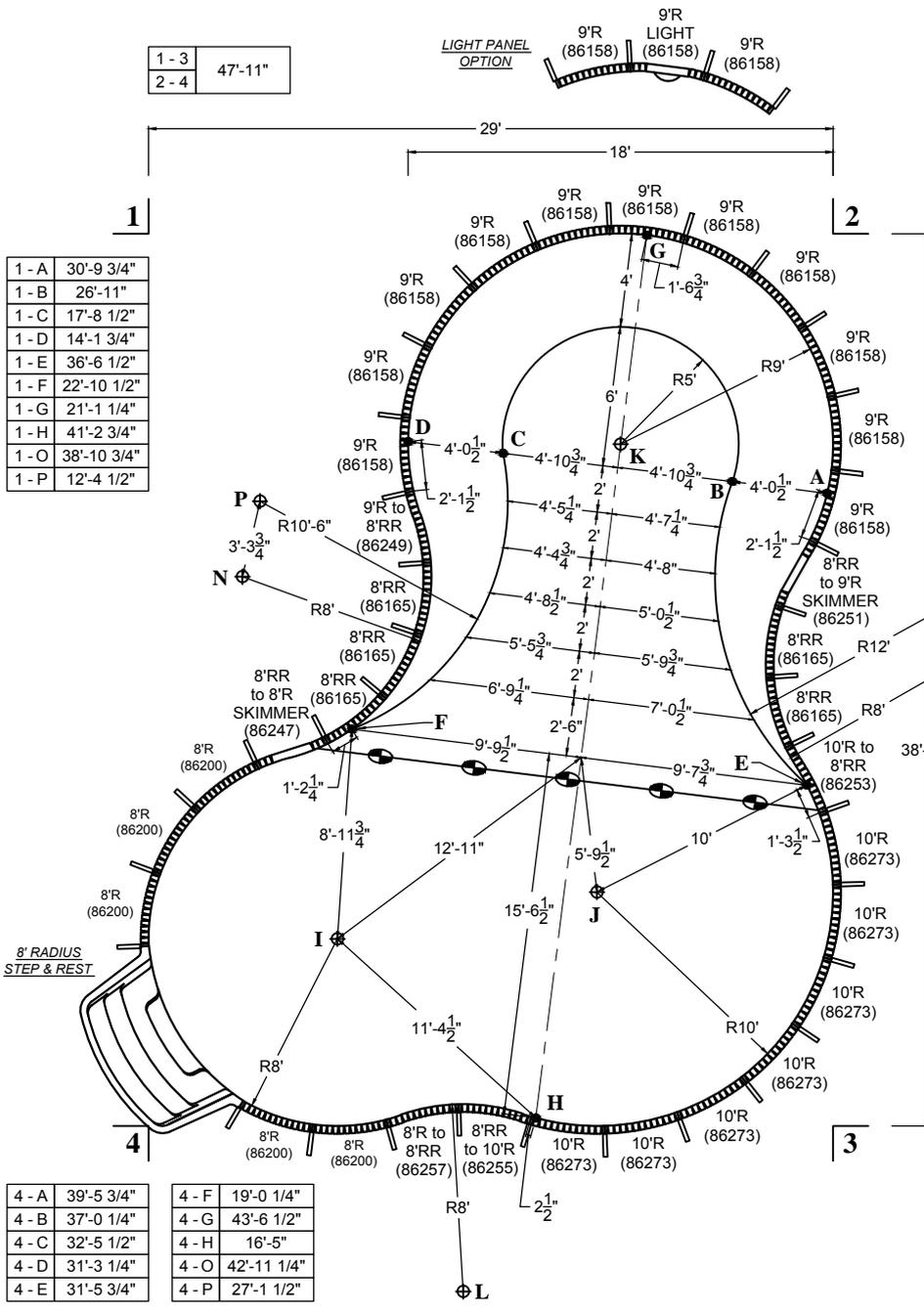
|       |             |
|-------|-------------|
| 1 - I | 27'-10 3/4" |
| 1 - J | 31'-1"      |
| 1 - K | 18'-9 3/4"  |
| 1 - L | 42'-10 1/4" |
| 1 - M | 34'-8 1/2"  |
| 1 - N | 14'-5"      |
| 1 - W | 15'-2 1/2"  |
| 1 - X | 26'-8 1/2"  |
| 1 - Y | 32'-8 3/4"  |
| 1 - Z | 21'         |

|       |            |
|-------|------------|
| 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" |

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI/ANSI suggested minimum standards for pools that are NOT approved for diving.

## LAGOON LEFT 18' x 38' x 29'



|       |             |
|-------|-------------|
| 1 - A | 30'-9 3/4"  |
| 1 - B | 26'-11"     |
| 1 - C | 17'-8 1/2"  |
| 1 - D | 14'-1 3/4"  |
| 1 - E | 36'-6 1/2"  |
| 1 - F | 22'-10 1/2" |
| 1 - G | 21'-1 1/4"  |
| 1 - H | 41'-2 3/4"  |
| 1 - O | 38'-10 3/4" |
| 1 - P | 12'-4 1/2"  |

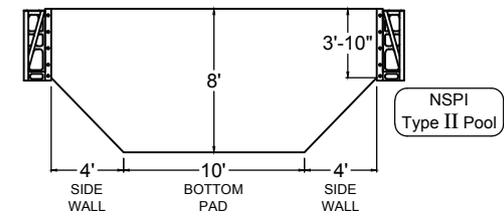
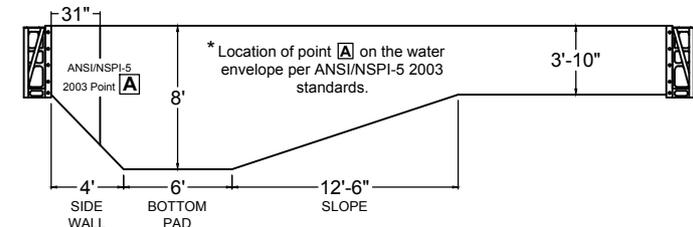
|       |             |
|-------|-------------|
| 2 - A | 11'-1 1/4"  |
| 2 - B | 11'-5"      |
| 2 - C | 16'-10"     |
| 2 - D | 20'-1"      |
| 2 - E | 23'-7 1/4"  |
| 2 - F | 29'-4 3/4"  |
| 2 - G | 7'-10 3/4"  |
| 2 - H | 39'-10 1/4" |
| 2 - O | 16'-3 3/4"  |
| 2 - P | 26'-10"     |

|       |             |
|-------|-------------|
| G - A | 13'-5"      |
| G - B | 11'-1 3/4"  |
| G - C | 11'-1 3/4"  |
| G - D | 13'-5"      |
| G - E | 24'-5 3/4"  |
| G - F | 24'-6 1/2"  |
| G - H | 38'-0 1/2"  |
| G - O | 20'-10 3/4" |
| G - P | 19'-11 1/2" |

|       |            |       |             |
|-------|------------|-------|-------------|
| 4 - A | 39'-5 3/4" | 4 - F | 19'-0 1/4"  |
| 4 - B | 37'-0 1/4" | 4 - G | 43'-6 1/2"  |
| 4 - C | 32'-5 1/2" | 4 - H | 16'-5"      |
| 4 - D | 31'-3 1/4" | 4 - O | 42'-11 1/4" |
| 4 - E | 31'-5 3/4" | 4 - P | 27'-1 1/2"  |

|       |             |
|-------|-------------|
| 3 - A | 27'-0 3/4"  |
| 3 - B | 27'-10 1/2" |
| 3 - C | 31'-11 3/4" |
| 3 - D | 34'-4 1/4"  |
| 3 - E | 14'-7 1/4"  |
| 3 - F | 26'-6 1/4"  |
| 3 - G | 38'-10 3/4" |
| 3 - H | 12'-7 1/4"  |
| 3 - O | 24'-5 1/4"  |
| 3 - P | 36'-1 1/4"  |

|       |             |
|-------|-------------|
| H - A | 29'-5 1/4"  |
| H - B | 28'-5 1/2"  |
| H - C | 28'-5 1/2"  |
| H - D | 29'-5 1/4"  |
| H - E | 18'-3 1/2"  |
| H - F | 18'-4 1/4"  |
| H - G | 38'-0 1/2"  |
| H - O | 30'-3 1/4"  |
| H - P | 28'-10 1/4" |



|                   |                       |                |                          |
|-------------------|-----------------------|----------------|--------------------------|
| POOL SURFACE AREA | 748.3 ft <sup>2</sup> | LINER SQ. FT.  | 862.6250 ft <sup>2</sup> |
|                   | 69.5 m <sup>2</sup>   |                |                          |
| POOL VOLUME       | 23300 gal             | POOL PERIMETER | 115'                     |
|                   | 88200 L               |                | 35.05 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| 8' RADIUS STEP | ITEM DESCRIPTION                  | PART #      |
|----------------|-----------------------------------|-------------|
|                | 2 VERSA-FLEX SKIMMER PANEL        | 48116S      |
|                | 32 VERSA-FLEX PANEL               | 48115       |
|                | 5 8' REVERSE RADIUS STRAP SET     | 86165S      |
|                | 7 10' RADIUS STRAP SET            | 86273S      |
|                | 11 9' RADIUS STRAP SET            | 86158S      |
|                | 5 8' RADIUS STRAP SET             | 86200S      |
|                | 1 8'RR to 8'R STRAP SET           | 86247S      |
|                | 1 9'R to 8'RR STRAP SET           | 86249S      |
|                | 1 8'RR to 9'R STRAP SET           | 86251S      |
|                | 1 10'R to 8'RR STRAP SET          | 86253S      |
|                | 1 8'RR to 10'R STRAP SET          | 86255S      |
|                | 1 8'R to 8'RR STRAP SET           | 86257S      |
|                | 884 PUSH NUTS                     | 09115       |
|                | 35 BRACE SYSTEM COMPLETE          | 48146       |
|                | 1 8' RADIUS STEP & REST           | 07418RSNR48 |
|                | 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
|                | 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
|                | CHANNEL-LOC SONOTUBE              | 86152       |
|                | VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

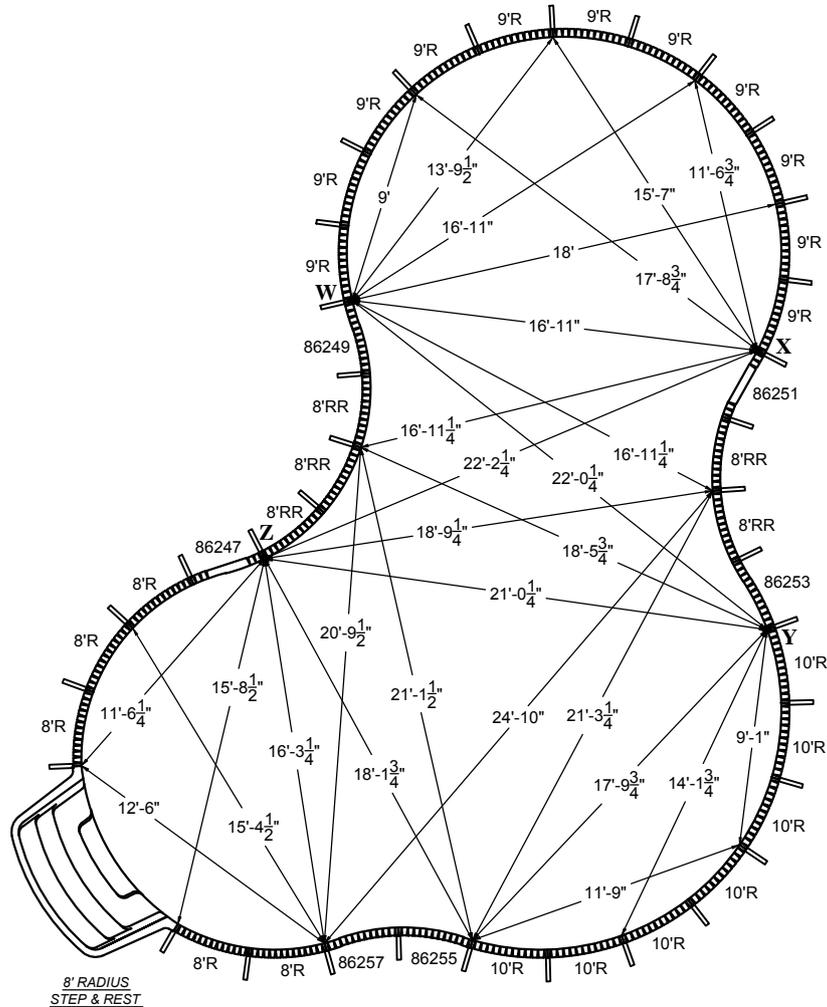
- Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
- Back fill with clean earth, free of roots and debris.
- 3' wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
- All inside pool dimensions are to be finished dimensions.
- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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.

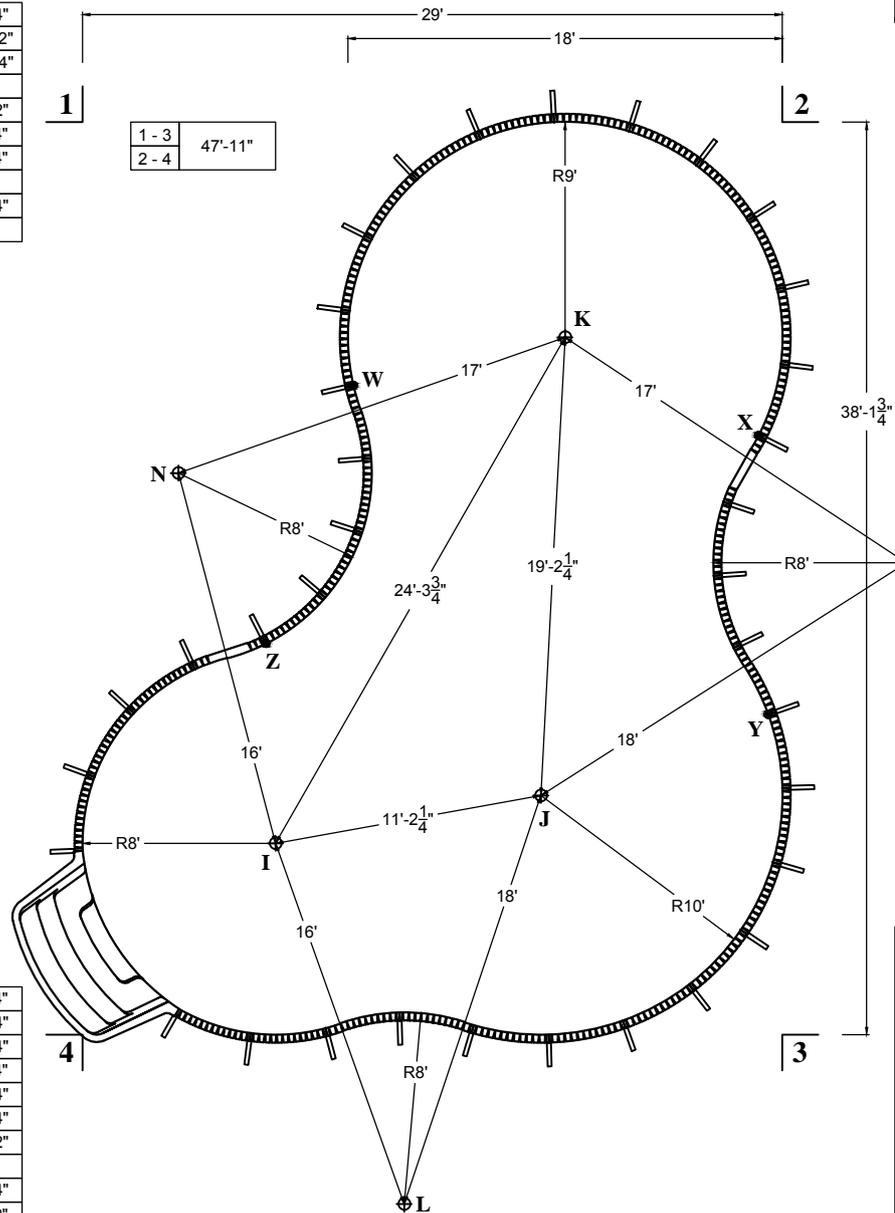
## LAGOON LEFT 18' x 38' x 29'

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 748.3 ft <sup>2</sup><br>69.5 m <sup>2</sup> | LINER SQ. FT.  | → 862.6250 ft <sup>2</sup> |
| POOL VOLUME       | → 23300 gal<br>88200 L                         | POOL PERIMETER | → 115'<br>35.05 m          |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**



|       |             |
|-------|-------------|
| 1 - I | 31'-2 1/4"  |
| 1 - J | 33'-11 1/2" |
| 1 - K | 21'-11 1/4" |
| 1 - L | 47'-2"      |
| 1 - M | 38'-9 1/2"  |
| 1 - N | 15'-2 1/4"  |
| 1 - W | 15'-8 3/4"  |
| 1 - X | 30'-11"     |
| 1 - Y | 37'-8 1/4"  |
| 1 - Z | 23'-1"      |



|       |         |
|-------|---------|
| 1 - 3 | 47'-11" |
| 2 - 4 | 47'-11" |

|       |             |
|-------|-------------|
| 2 - I | 36'-9"      |
| 2 - J | 29'-10 1/2" |
| 2 - K | 12'-8 3/4"  |
| 2 - L | 47'-10 1/2" |
| 2 - M | 19'-1 1/2"  |
| 2 - N | 29'         |
| 2 - W | 20'-10 3/4" |
| 2 - X | 13'-1 1/2"  |
| 2 - Y | 24'-9 1/4"  |
| 2 - Z | 30'-6 1/2"  |

|       |             |
|-------|-------------|
| 3 - I | 22'-5 3/4"  |
| 3 - J | 14'-1 3/4"  |
| 3 - K | 30'-6 1/4"  |
| 3 - L | 17'-2 1/4"  |
| 3 - M | 20'-4 3/4"  |
| 3 - N | 34'-3 3/4"  |
| 3 - W | 32'-5 1/2"  |
| 3 - X | 25'-1"      |
| 3 - Y | 13'-4 3/4"  |
| 3 - Z | 26'-11 1/4" |

|       |            |
|-------|------------|
| 4 - I | 11'-3 3/4" |
| 4 - J | 21'-5 3/4" |
| 4 - K | 35'-4 1/4" |
| 4 - L | 15'-1 1/4" |
| 4 - M | 39'-5 1/4" |
| 4 - N | 23'-9 3/4" |
| 4 - W | 29'-4 1/2" |
| 4 - X | 37'-7"     |
| 4 - Y | 31'-4 3/4" |
| 4 - Z | 18'-0 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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 <sup>2</sup><br>69.5 m <sup>2</sup> | LINER SQ. FT.  | → 862.6250 ft <sup>2</sup> |
| POOL VOLUME       | → 23300 gal<br>88200 L                         | POOL PERIMETER | → 115'<br>35.05 m          |

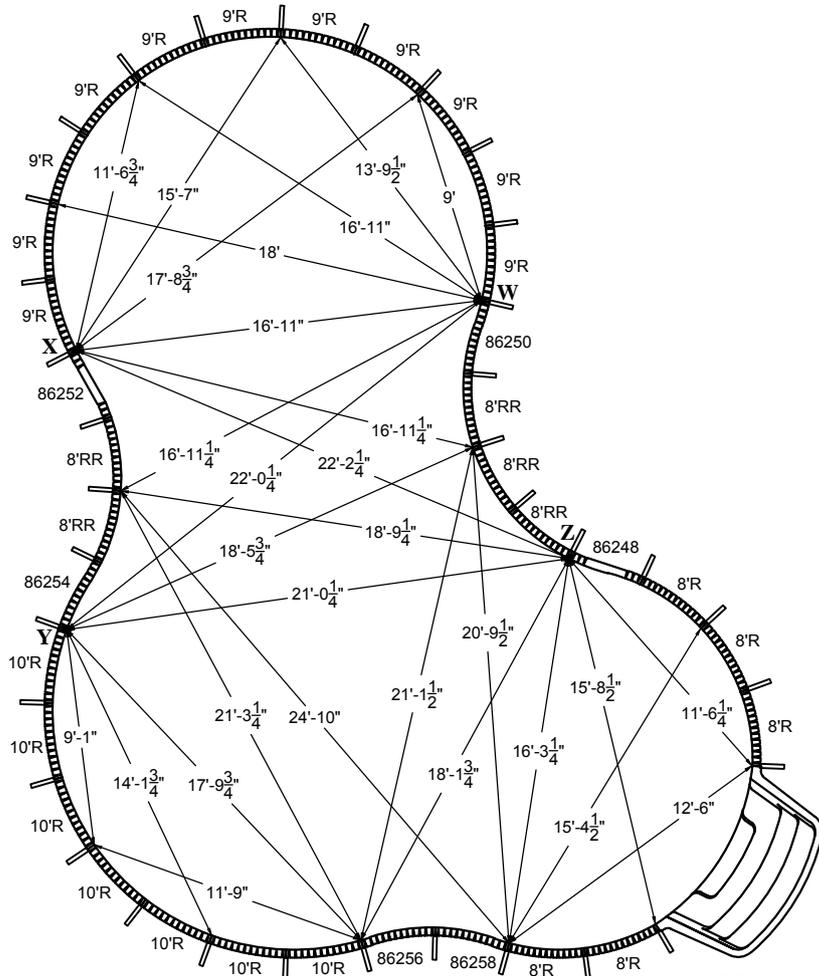
**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

|       |             |
|-------|-------------|
| 1 - I | 31'-2 1/4"  |
| 1 - J | 33'-11 1/2" |
| 1 - K | 21'-11 1/4" |
| 1 - L | 47'-2"      |
| 1 - M | 38'-9 1/2"  |
| 1 - N | 15'-2 1/4"  |
| 1 - W | 15'-8 3/4"  |
| 1 - X | 30'-11"     |
| 1 - Y | 37'-8 1/4"  |
| 1 - Z | 23'-1"      |

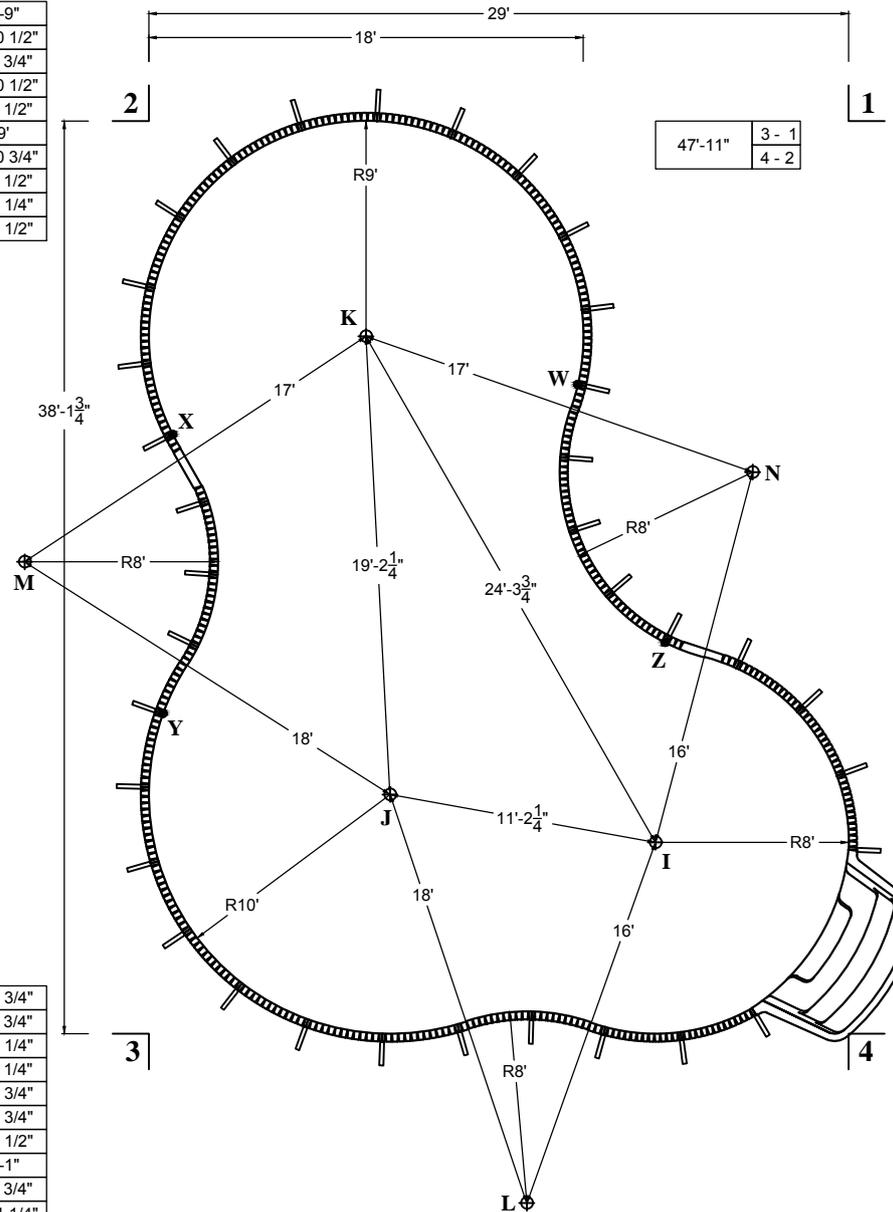
|       |            |
|-------|------------|
| 4 - I | 11'-3 3/4" |
| 4 - J | 21'-5 3/4" |
| 4 - K | 35'-4 1/4" |
| 4 - L | 15'-1 1/4" |
| 4 - M | 39'-5 1/4" |
| 4 - N | 23'-9 3/4" |
| 4 - W | 29'-4 1/2" |
| 4 - X | 37'-7"     |
| 4 - Y | 31'-4 3/4" |
| 4 - Z | 18'-0 1/2" |

|       |             |
|-------|-------------|
| 2 - I | 36'-9"      |
| 2 - J | 29'-10 1/2" |
| 2 - K | 12'-8 3/4"  |
| 2 - L | 47'-10 1/2" |
| 2 - M | 19'-1 1/2"  |
| 2 - N | 29'         |
| 2 - W | 20'-10 3/4" |
| 2 - X | 13'-1 1/2"  |
| 2 - Y | 24'-9 1/4"  |
| 2 - Z | 30'-6 1/2"  |

|       |             |
|-------|-------------|
| 3 - I | 22'-5 3/4"  |
| 3 - J | 14'-1 3/4"  |
| 3 - K | 30'-6 1/4"  |
| 3 - L | 17'-2 1/4"  |
| 3 - M | 20'-4 3/4"  |
| 3 - N | 34'-3 3/4"  |
| 3 - W | 32'-5 1/2"  |
| 3 - X | 25'-1"      |
| 3 - Y | 13'-4 3/4"  |
| 3 - Z | 26'-11 1/4" |



8" RADIUS  
STEP & REST



- 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 A.N.S.I. / N.S.P.I. suggested standards.

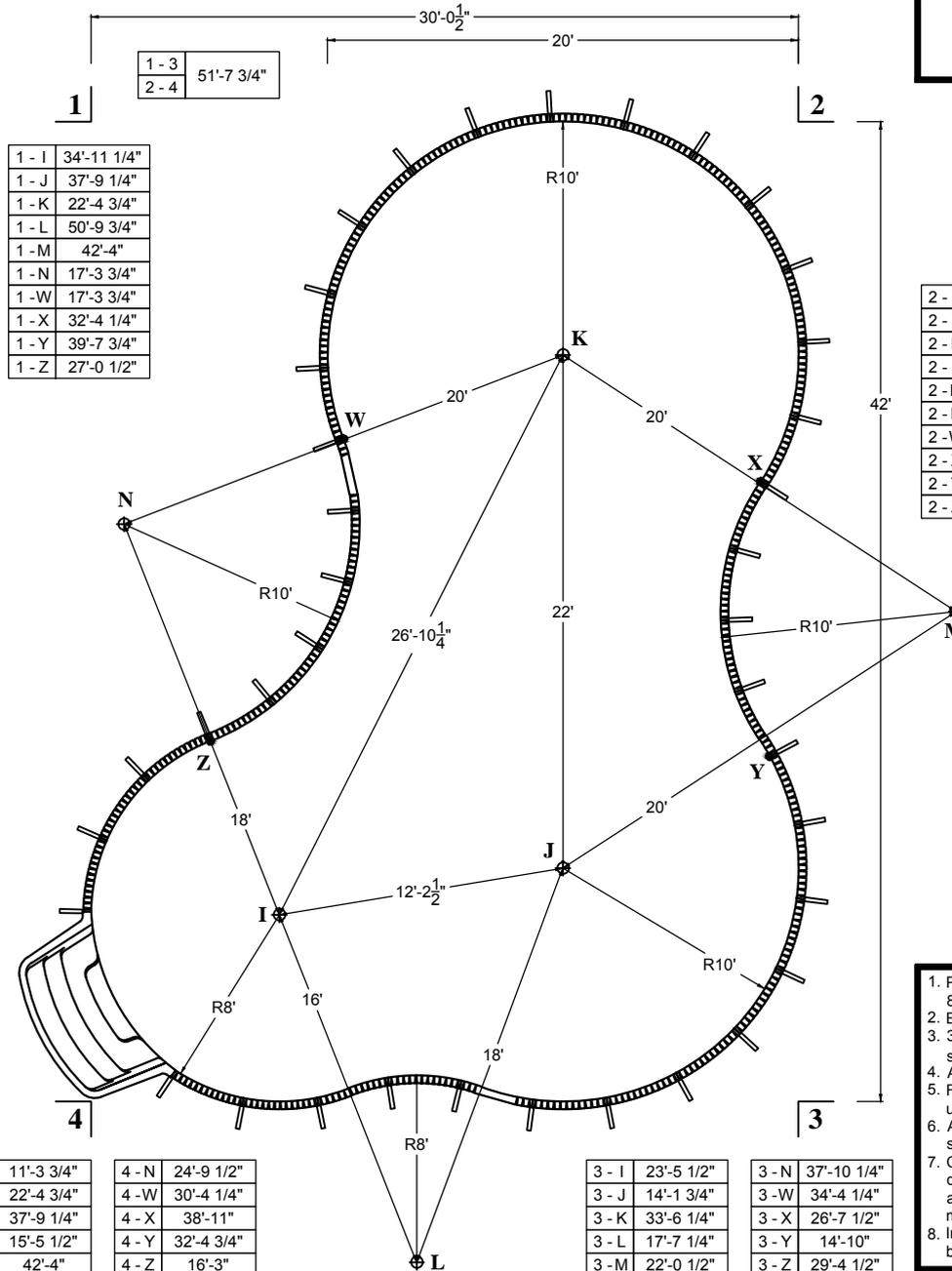
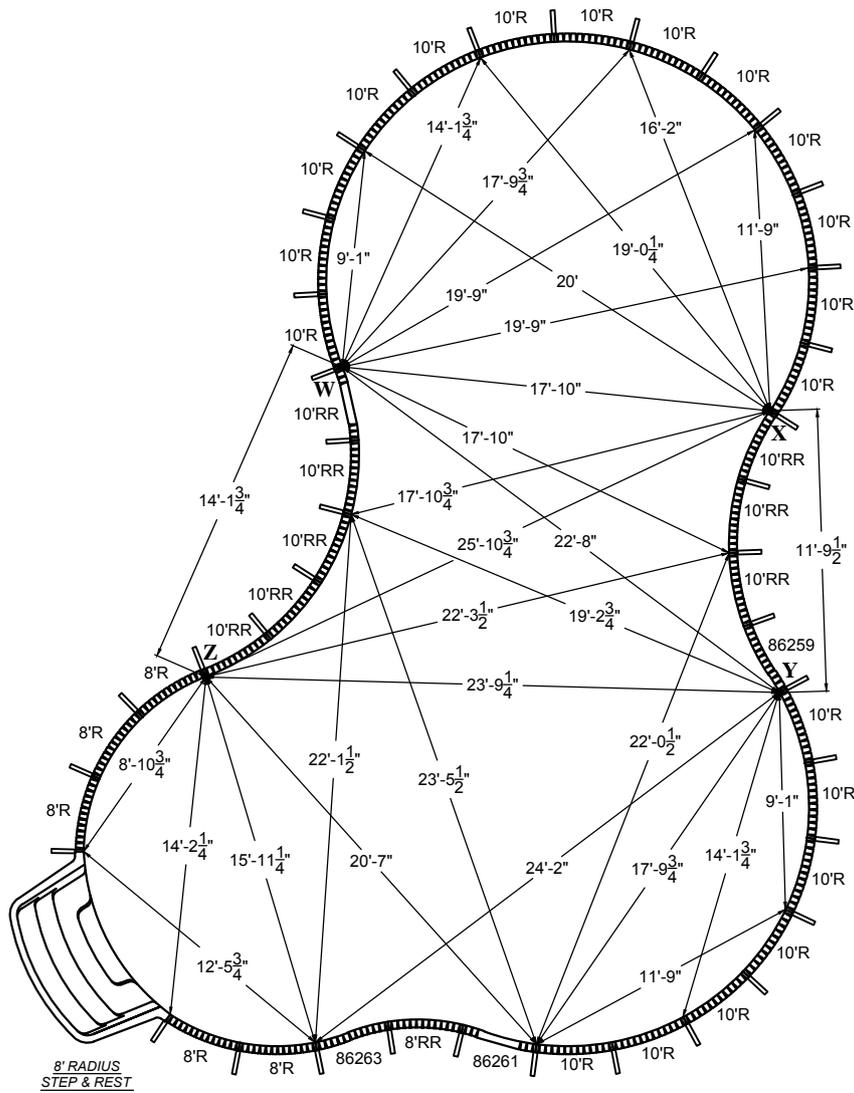
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



## LAGOON LEFT 20' x 42' x 30'

|                   |  |                |                             |
|-------------------|--|----------------|-----------------------------|
| POOL SURFACE AREA | → 862.5 ft <sup>2</sup><br>80.1 m <sup>2</sup> | LINER SQ. FT.  | → 1000.6667 ft <sup>2</sup> |
| POOL VOLUME       | → 28100 gal<br>106300 L                        | POOL PERIMETER | → 124'-3"<br>37.87 m        |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**



|       |            |
|-------|------------|
| 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" |

|       |            |
|-------|------------|
| 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"     |

|       |            |
|-------|------------|
| 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" |

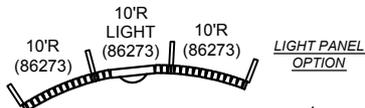
|       |             |
|-------|-------------|
| 3 - N | 37'-10 1/4" |
| 3 - W | 34'-4 1/4"  |
| 3 - X | 26'-7 1/2"  |
| 3 - Y | 14'-10"     |
| 3 - Z | 29'-4 1/2"  |

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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

|       |            |
|-------|------------|
| 2 - A | 13'        |
| 2 - B | 13'-4 1/2" |
| 2 - C | 19'-6 1/4" |
| 2 - D | 22'-9 1/4" |
| 2 - E | 25'-5 3/4" |
| 2 - F | 31'-4 1/4" |
| 2 - G | 8'-11 3/4" |
| 2 - H | 43'-6 1/4" |
| 2 - O | 18'-3 1/2" |
| 2 - P | 30'-4 3/4" |



|       |            |
|-------|------------|
| 1 - 3 | 51'-7 3/4" |
| 2 - 4 |            |

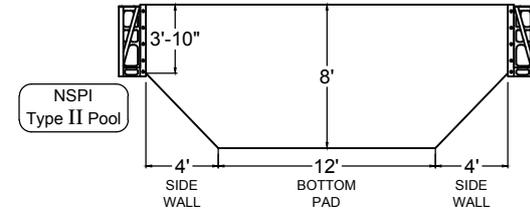
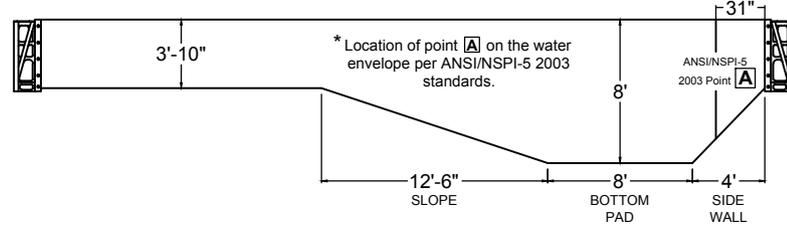
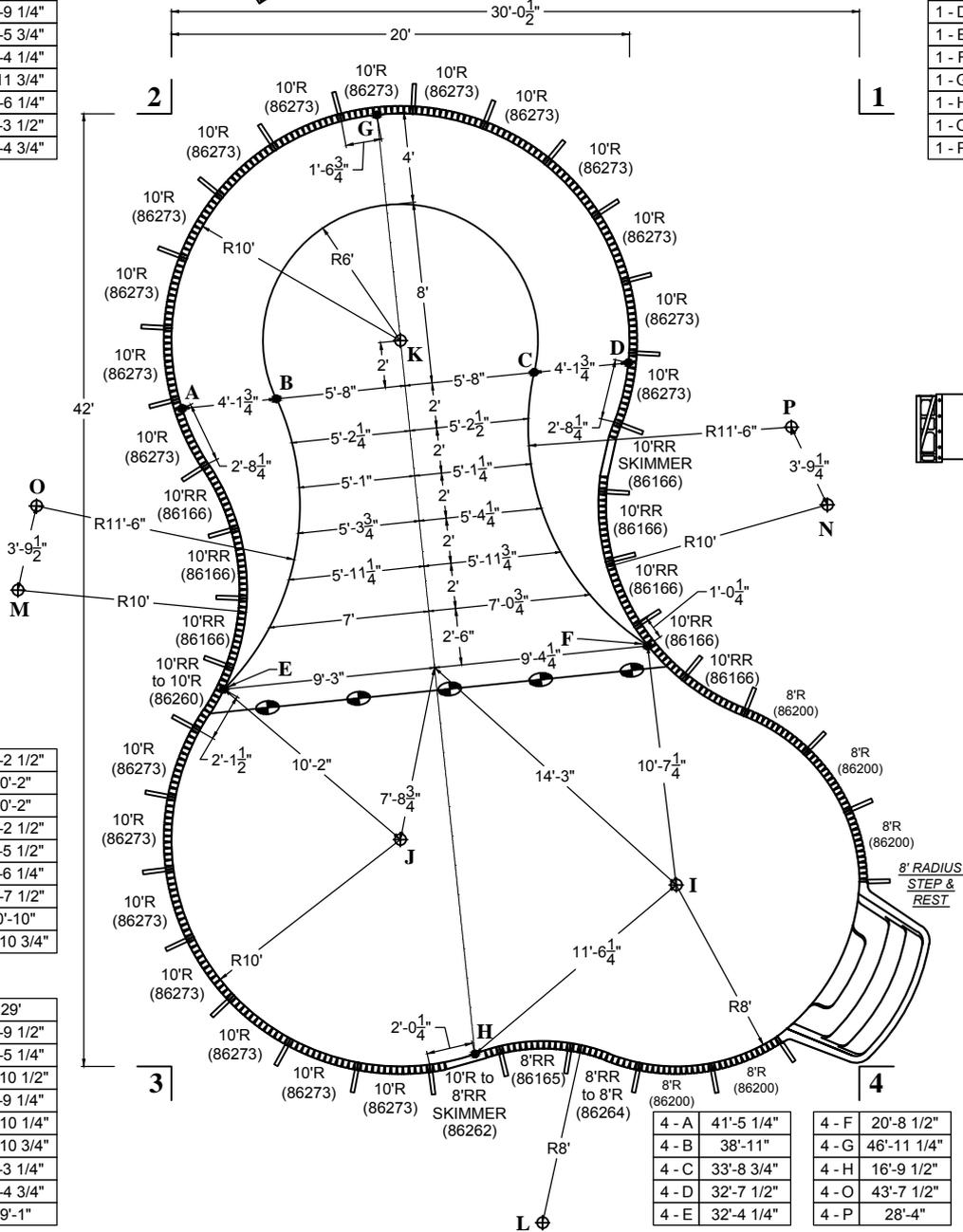
|       |             |
|-------|-------------|
| 1 - A | 32'-3 3/4"  |
| 1 - B | 28'-4 3/4"  |
| 1 - C | 18'-2 3/4"  |
| 1 - D | 14'-11"     |
| 1 - E | 37'-7 1/4"  |
| 1 - F | 25'-2 1/2"  |
| 1 - G | 21'-1"      |
| 1 - H | 44'-8 3/4"  |
| 1 - O | 39'-10 3/4" |
| 1 - P | 14'-1 3/4"  |

|       |            |
|-------|------------|
| G - A | 15'-6"     |
| G - B | 13'-3 1/4" |
| G - C | 13'-3 1/4" |
| G - D | 15'-6"     |
| G - E | 26'-2 1/4" |
| G - F | 31'-4 1/4" |
| G - H | 41'-7 1/2" |
| G - O | 22'-9 1/4" |
| G - P | 22'-9"     |

|       |             |
|-------|-------------|
| H - A | 31'-2 1/2"  |
| H - B | 30'-2"      |
| H - C | 30'-2"      |
| H - D | 31'-2 1/2"  |
| H - E | 19'-5 1/2"  |
| H - F | 19'-6 1/4"  |
| H - G | 41'-7 1/2"  |
| H - O | 30'-10"     |
| H - P | 30'-10 3/4" |

|       |             |
|-------|-------------|
| 3 - A | 29'         |
| 3 - B | 29'-9 1/2"  |
| 3 - C | 34'-5 1/4"  |
| 3 - D | 36'-10 1/2" |
| 3 - E | 16'-9 1/4"  |
| 3 - F | 27'-10 1/4" |
| 3 - G | 42'-10 3/4" |
| 3 - H | 13'-3 1/4"  |
| 3 - O | 25'-4 3/4"  |
| 3 - P | 39'-1"      |

|       |             |
|-------|-------------|
| 4 - A | 41'-5 1/4"  |
| 4 - B | 38'-11"     |
| 4 - C | 33'-8 3/4"  |
| 4 - D | 32'-7 1/2"  |
| 4 - E | 32'-4 1/4"  |
| 4 - F | 20'-8 1/2"  |
| 4 - G | 46'-11 1/4" |
| 4 - H | 16'-9 1/2"  |
| 4 - O | 43'-7 1/2"  |
| 4 - P | 28'-4"      |



|                   |                       |                |                           |
|-------------------|-----------------------|----------------|---------------------------|
| POOL SURFACE AREA | 862.5 ft <sup>2</sup> | LINER SQ. FT.  | 1000.6667 ft <sup>2</sup> |
| POOL VOLUME       | 28100 gal             | POOL PERIMETER | 124'-3"                   |
|                   | 106300 L              |                | 37.87 m                   |

### DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA

| ITEM DESCRIPTION                  | PART #      |
|-----------------------------------|-------------|
| 2 VERSA-FLEX SKIMMER PANEL        | 48116S      |
| 35 VERSA-FLEX PANEL               | 48115       |
| 8 10' REVERSE RADIUS STRAP SET    | 86166S      |
| 1 8' REVERSE RADIUS STRAP SET     | 86165S      |
| 20 10' RADIUS STRAP SET           | 86273S      |
| 5 8' RADIUS STRAP SET             | 86200S      |
| 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          | 48146       |
| 1 8' RADIUS STEP & REST           | 07418RSNR48 |
| 14* 3/8"-16X HEX WASHER HEAD BOLT | 148838      |
| 14* 3/8"-16 HEX WASHER HEAD NUT   | 149664      |
| CHANNEL-LOC SONOTUBE              | 86152       |
| VERSA-FLEX STANDARD LIGHT PANEL   | 48116L      |

\* - use bolts at step connection

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

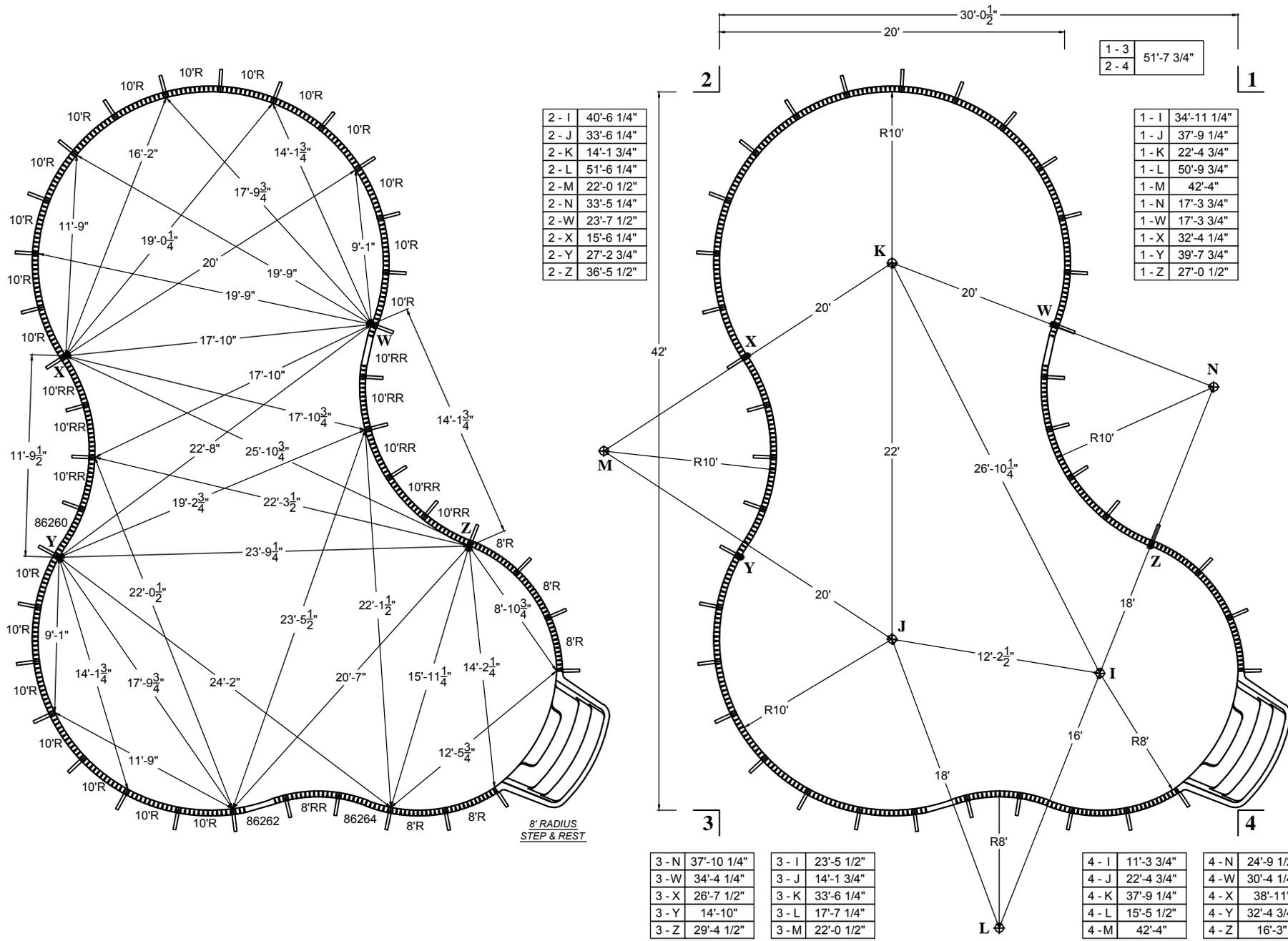
1. Pour 2500 P.S.I. concrete footing around entire perimeter, minimum 8" deep.
2. Back fill with clean earth, free of roots and debris.
3. 3" wide concrete deck is to be poured at least 3" thickness and a slope of 1/4" to 1" away from the pool.
4. All inside pool dimensions are to be finished dimensions.
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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 <sup>2</sup><br>80.1 m <sup>2</sup> | LINER SQ. FT.  | → 1000.6667 ft <sup>2</sup> |
| POOL VOLUME       | → 28100 gal<br>106300 L                        | POOL PERIMETER | → 124'-3"<br>37.87 m        |

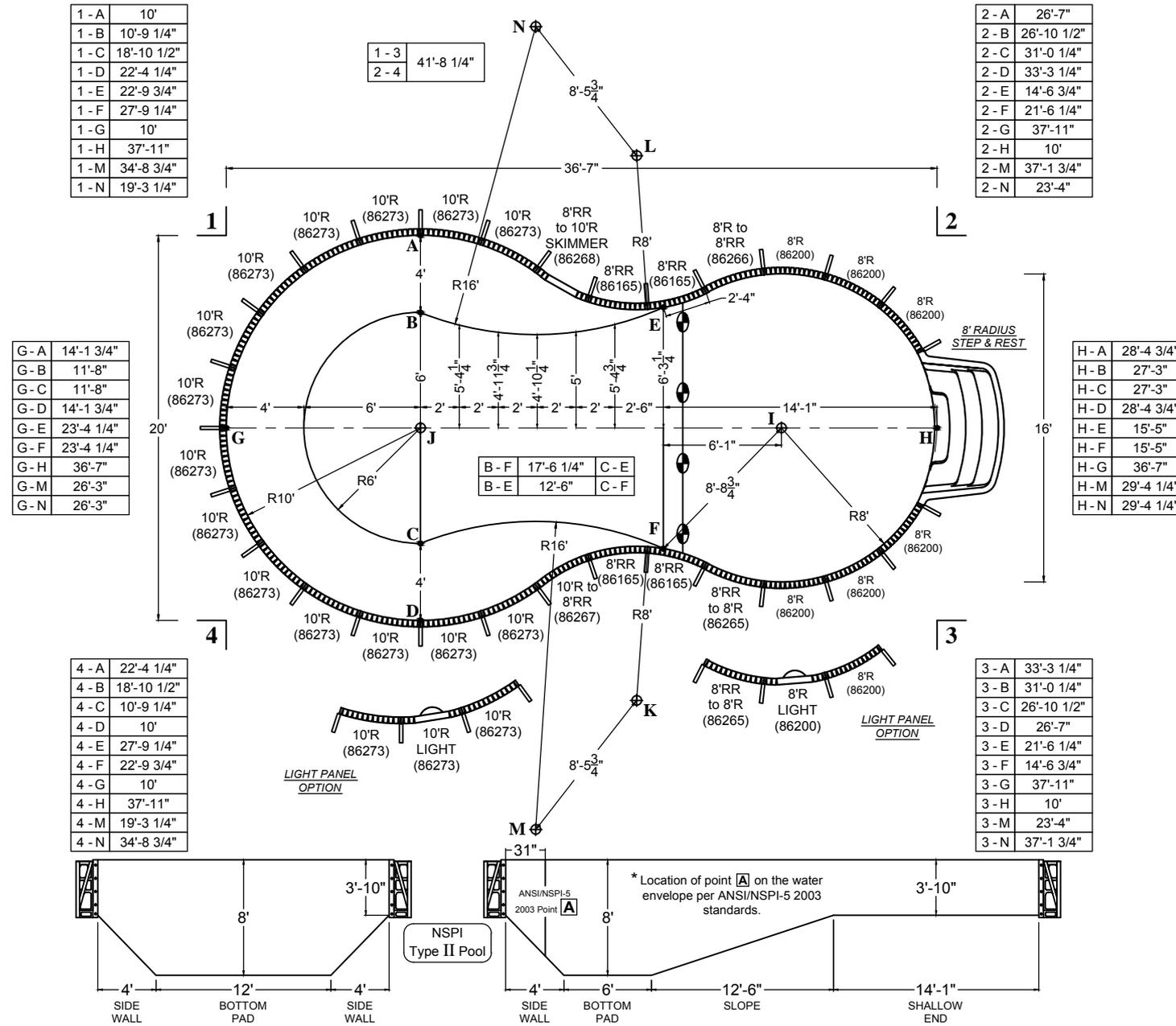
**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**



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 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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 | 22'-9 3/4"  |
| 1 - F | 27'-9 1/4"  |
| 1 - G | 10'         |
| 1 - H | 37'-11"     |
| 1 - M | 34'-8 3/4"  |
| 1 - N | 19'-3 1/4"  |

|       |            |
|-------|------------|
| 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 | 14'-6 3/4"  |
| 2 - F | 21'-6 1/4"  |
| 2 - G | 37'-11"     |
| 2 - H | 10'         |
| 2 - M | 37'-1 3/4"  |
| 2 - N | 23'-4"      |

|       |            |
|-------|------------|
| G - A | 14'-1 3/4" |
| G - B | 11'-8"     |
| G - C | 11'-8"     |
| G - D | 14'-1 3/4" |
| G - E | 23'-4 1/4" |
| G - F | 23'-4 1/4" |
| G - H | 36'-7"     |
| G - M | 26'-3"     |
| G - N | 26'-3"     |

|       |            |       |
|-------|------------|-------|
| B - F | 17'-6 1/4" | C - E |
| B - E | 12'-6"     | C - F |

|       |            |
|-------|------------|
| H - A | 28'-4 3/4" |
| H - B | 27'-3"     |
| H - C | 27'-3"     |
| H - D | 28'-4 3/4" |
| H - E | 15'-5"     |
| H - F | 15'-5"     |
| H - G | 36'-7"     |
| H - M | 29'-4 1/4" |
| H - N | 29'-4 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 | 27'-9 1/4"  |
| 4 - F | 22'-9 3/4"  |
| 4 - G | 10'         |
| 4 - H | 37'-11"     |
| 4 - M | 19'-3 1/4"  |
| 4 - N | 34'-8 3/4"  |

|       |             |
|-------|-------------|
| 3 - A | 33'-3 1/4"  |
| 3 - B | 31'-0 1/4"  |
| 3 - C | 26'-10 1/2" |
| 3 - D | 26'-7"      |
| 3 - E | 21'-6 1/4"  |
| 3 - F | 14'-6 3/4"  |
| 3 - G | 37'-11"     |
| 3 - H | 10'         |
| 3 - M | 23'-4"      |
| 3 - N | 37'-1 3/4"  |

|                   |  |                |                            |
|-------------------|--|----------------|----------------------------|
| POOL SURFACE AREA | → 544.6 ft <sup>2</sup><br>50.6 m <sup>2</sup> | LINER SQ. FT.  | → 731.6667 ft <sup>2</sup> |
| POOL VOLUME       | → 20000 gal<br>75700 L                         | POOL PERIMETER | → 96'-1"<br>29.28 m        |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 1                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 27               | VERSA-FLEX PANEL 48115                 |
| 4                | 8' REVERSE RADIUS STRAP SET 86165S     |
| 14               | 10' RADIUS STRAP SET 86273S            |
| 6                | 8' RADIUS STRAP SET 86200S             |
| 1                | 8'RR to 8'R STRAP SET 86265S           |
| 1                | 8'R to 8'RR STRAP SET 86266S           |
| 1                | 10'R to 8'RR STRAP SET 86267S          |
| 1                | 8'RR to 10'R STRAP SET 86268S          |
| 728              | PUSH NUTS 09115                        |
| 29               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

The bottom configuration shown conforms with current NSPI / ANSI 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'

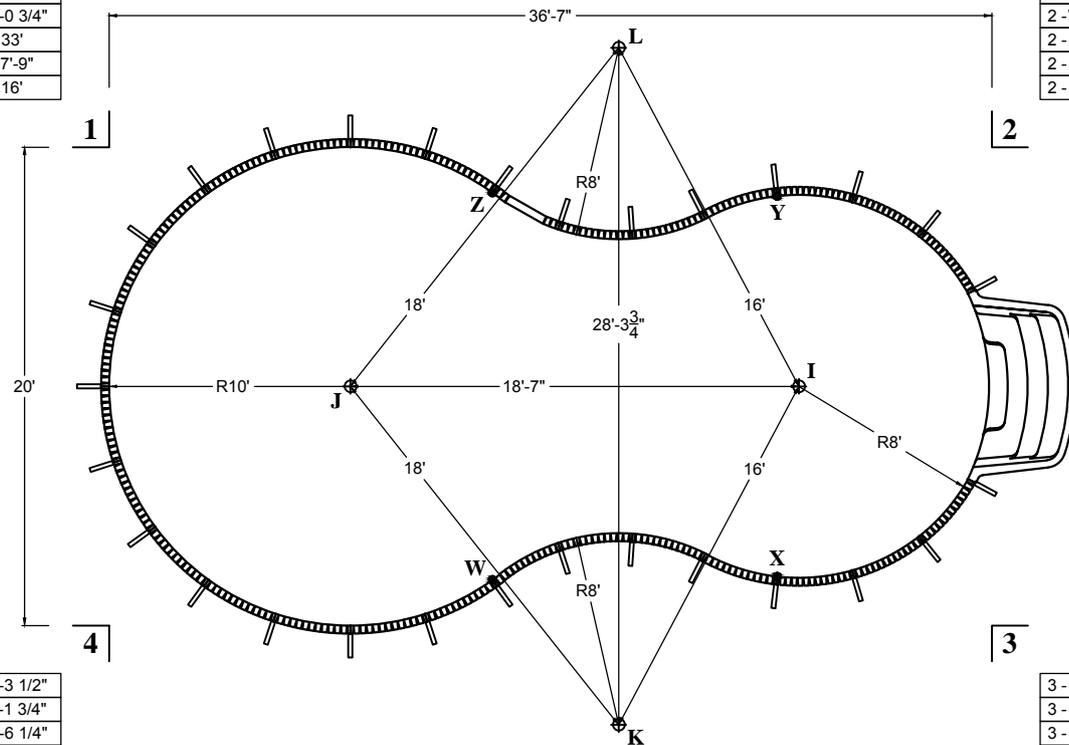
|                     |  |                  |                          |
|---------------------|--|------------------|--------------------------|
| POOL SURFACE AREA → | 544.6 ft <sup>2</sup><br>50.6 m <sup>2</sup> | LINER SQ. FT. →  | 731.6667 ft <sup>2</sup> |
| POOL VOLUME →       | 20000 gal<br>75700 L                         | POOL PERIMETER → | 96'-1"<br>29.28 m        |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

|       |            |
|-------|------------|
| 1 - I | 30'-3 1/2" |
| 1 - J | 14'-1 3/4" |
| 1 - K | 32'-1"     |
| 1 - L | 21'-6 1/4" |
| 1 - W | 24'-0 3/4" |
| 1 - X | 33'        |
| 1 - Y | 27'-9"     |
| 1 - Z | 16'        |

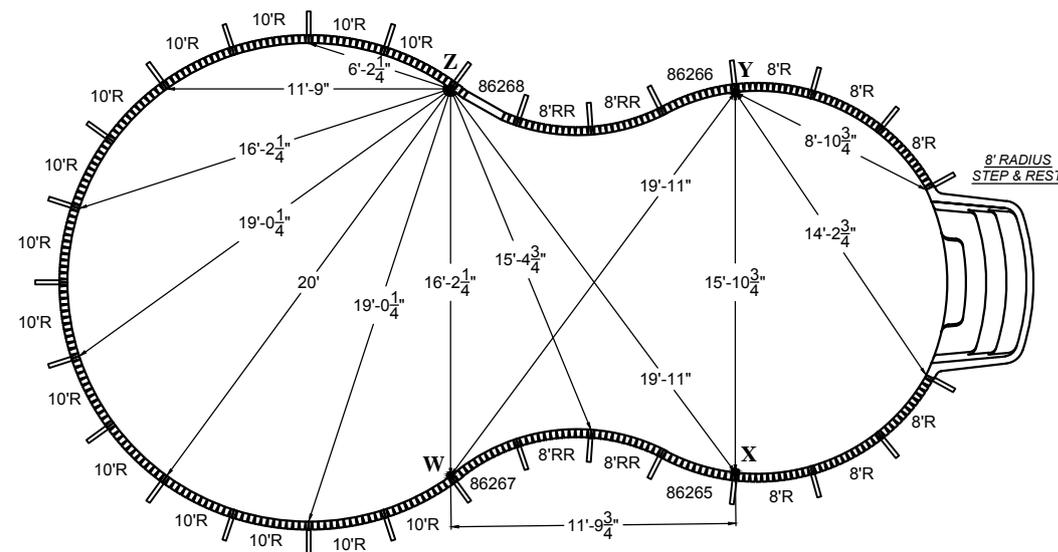
|       |            |
|-------|------------|
| 1 - 3 | 41'-8 1/4" |
| 2 - 4 |            |

|       |            |
|-------|------------|
| 2 - I | 12'-9 3/4" |
| 2 - J | 28'-4 3/4" |
| 2 - K | 28'-8 1/4" |
| 2 - L | 16'        |
| 2 - W | 27'-6"     |
| 2 - X | 20'-0 1/2" |
| 2 - Y | 9'-1 3/4"  |
| 2 - Z | 20'-9 1/2" |



|       |            |
|-------|------------|
| 4 - I | 30'-3 1/2" |
| 4 - J | 14'-1 3/4" |
| 4 - K | 21'-6 1/4" |
| 4 - L | 32'-1"     |
| 4 - W | 16'        |
| 4 - X | 27'-9"     |
| 4 - Y | 33'        |
| 4 - Z | 24'-0 3/4" |

|       |            |
|-------|------------|
| 3 - I | 12'-9 3/4" |
| 3 - J | 28'-4 3/4" |
| 3 - K | 16'        |
| 3 - L | 28'-8 1/4" |
| 3 - W | 20'-9 1/2" |
| 3 - X | 9'-1 3/4"  |
| 3 - Y | 20'-0 1/2" |
| 3 - Z | 27'-6"     |



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 A.N.S.I. / N.S.P.I. suggested standards.

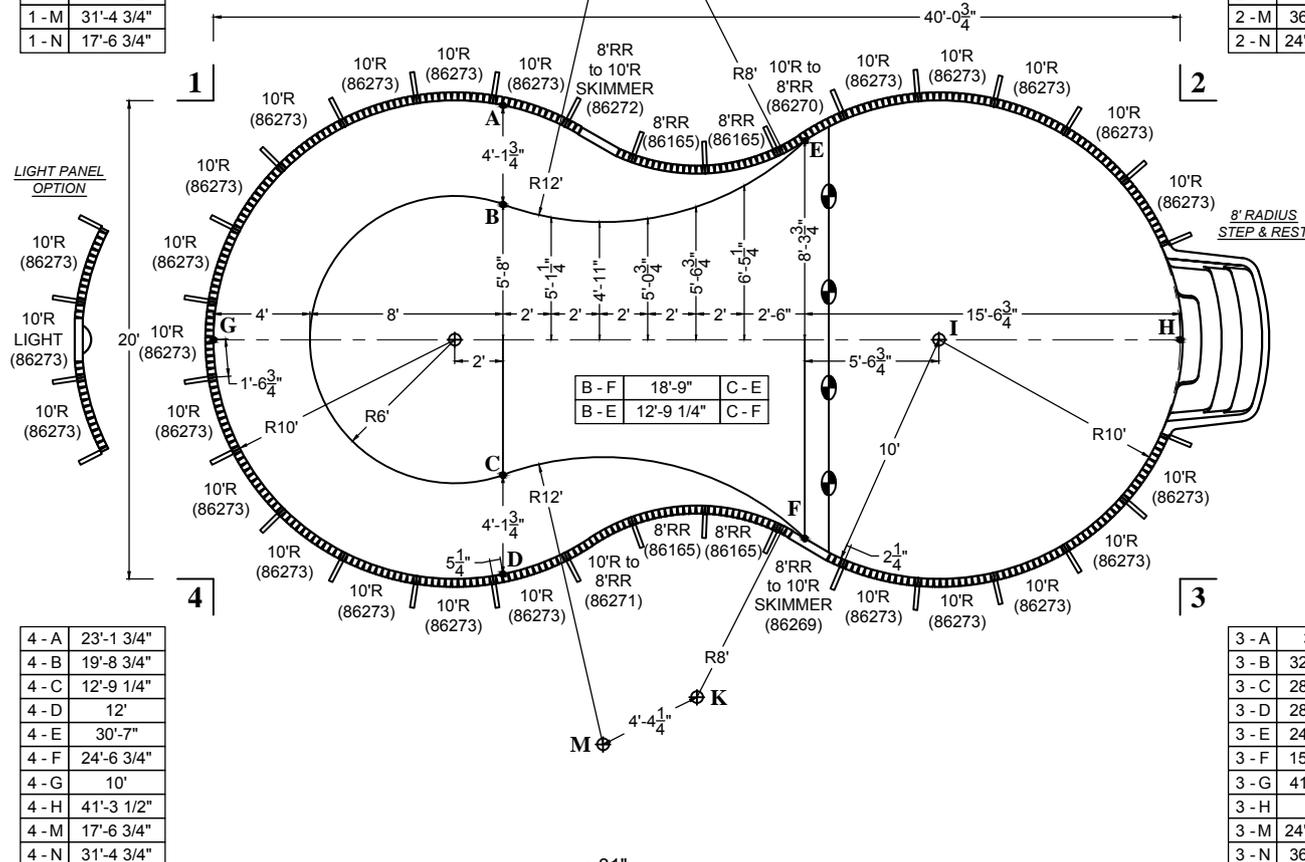
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.

## 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 | 24'-6 3/4" |
| 1 - F | 30'-7"     |
| 1 - G | 10'        |
| 1 - H | 41'-3 1/2" |
| 1 - M | 31'-4 3/4" |
| 1 - N | 17'-6 3/4" |

|       |            |
|-------|------------|
| 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 | 15'-7 3/4"  |
| 2 - F | 24'-0 1/4"  |
| 2 - G | 41'-3 1/2"  |
| 2 - H | 10'         |
| 2 - M | 36'-0 1/4"  |
| 2 - N | 24'-10 3/4" |

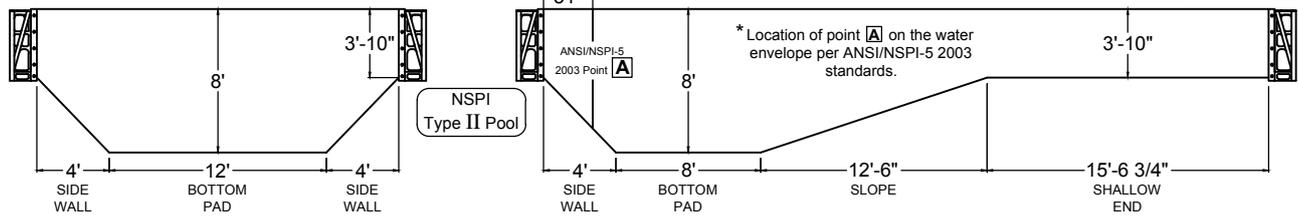


|       |             |
|-------|-------------|
| G - A | 15'-6"      |
| G - B | 13'-3 1/4"  |
| G - C | 13'-3 1/4"  |
| G - D | 15'-6"      |
| G - E | 25'-10 1/2" |
| G - F | 25'-10 1/2" |
| G - H | 40'-0 3/4"  |
| G - M | 23'-4 1/2"  |
| G - N | 23'-4 1/2"  |

|       |            |
|-------|------------|
| 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 | 17'-7 3/4" |
| H - F | 17'-7 3/4" |
| H - G | 40'-0 3/4" |
| H - M | 29'-3 1/2" |
| H - N | 29'-3 1/2" |

|       |            |
|-------|------------|
| 4 - A | 23'-1 3/4" |
| 4 - B | 19'-8 3/4" |
| 4 - C | 12'-9 1/4" |
| 4 - D | 12'        |
| 4 - E | 30'-7"     |
| 4 - F | 24'-6 3/4" |
| 4 - G | 10'        |
| 4 - H | 41'-3 1/2" |
| 4 - M | 17'-6 3/4" |
| 4 - N | 31'-4 3/4" |

|       |             |
|-------|-------------|
| 3 - A | 34'-4"      |
| 3 - B | 32'-1 1/2"  |
| 3 - C | 28'-4 3/4"  |
| 3 - D | 28'-0 3/4"  |
| 3 - E | 24'-0 1/4"  |
| 3 - F | 15'-7 3/4"  |
| 3 - G | 41'-3 1/2"  |
| 3 - H | 10'         |
| 3 - M | 24'-10 3/4" |
| 3 - N | 36'-0 1/4"  |



|                    |                         |                 |                          |
|--------------------|-------------------------|-----------------|--------------------------|
| PPOOL SURFACE AREA | → 656.6 ft <sup>2</sup> | LINER SQ. FT.   | → 801.25 ft <sup>2</sup> |
| PPOOL VOLUME       | → 23900 gal             | PPOOL PERIMETER | → 105'-5"                |
|                    | 90400 L                 |                 | 31.13 m                  |

**DIVING PERMITTED ONLY FROM DESIGNATED DIVING AREA**

| ITEM DESCRIPTION | PART #                                 |
|------------------|--|
| 2                | VERSA-FLEX SKIMMER PANEL 48116S        |
| 29               | VERSA-FLEX PANEL 48115                 |
| 4                | 8' REVERSE RADIUS STRAP SET 86165S     |
| 23               | 10' RADIUS STRAP SET 86273S            |
| 1                | 8'RR to 10'R STRAP SET 86269S          |
| 1                | 10'R to 8'RR STRAP SET 86270S          |
| 1                | 10'R to 8'RR STRAP SET 86271S          |
| 1                | 8'RR to 10'R STRAP SET 86272S          |
| 806              | PUSH NUTS 09115                        |
| 32               | BRACE SYSTEM COMPLETE 48146            |
| 1                | 8' RADIUS STEP & REST 07418RSNR48      |
| 14*              | 3/8"-16X HEX WASHER HEAD BOLT 148838   |
| 14*              | 3/8"-16 HEX WASHER HEAD NUT 149664     |
|                  | CHANNEL-LOC SONOTUBE 86152             |
|                  | VERSA-FLEX STANDARD LIGHT PANEL 48116L |

\* - use bolts at step connection

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

- 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 A.N.S.I. / N.S.P.I. suggested standards.

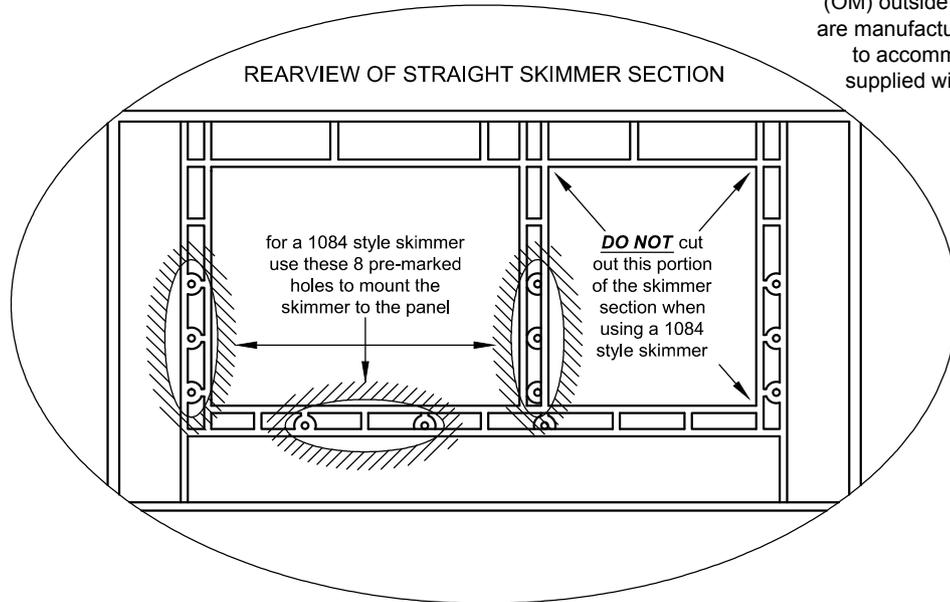
The bottom configuration shown conforms with current NSPI / ANSI suggested minimum standards for pools approved for use with manufactured diving equipment. If diving equipment is installed, follow the equipment manufacturer's installation, use and safety instructions.



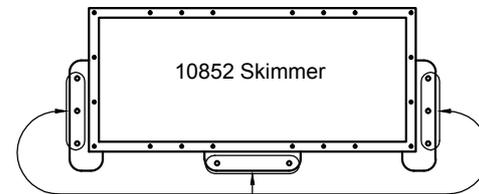
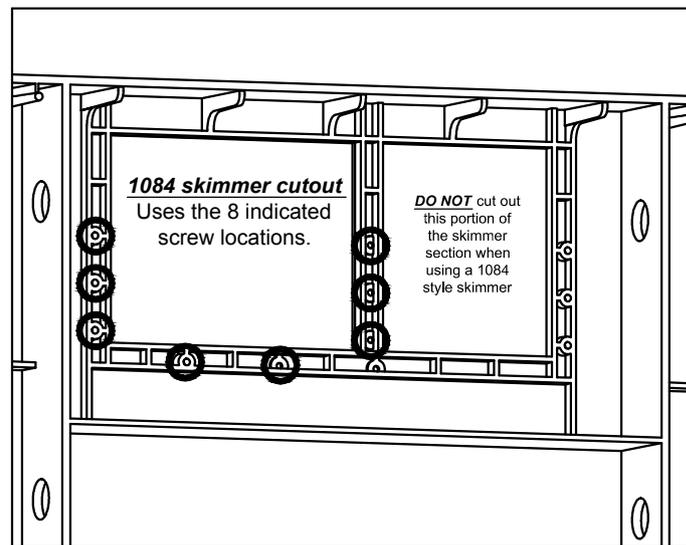
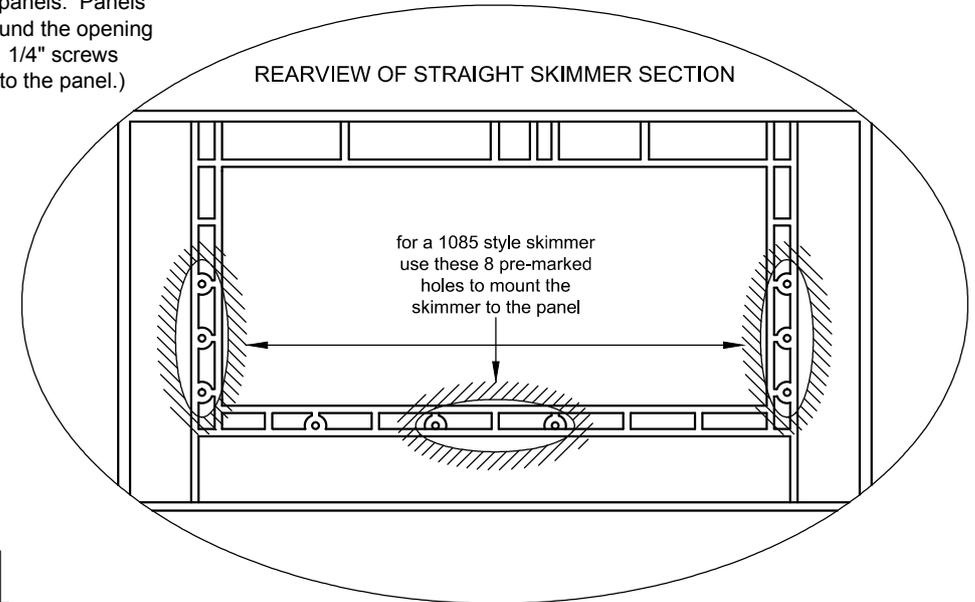
**\*\*\*\* SKIMMER PANEL INSTALLATION NOTE \*\*\*\***

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.)

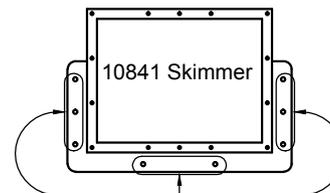
REARVIEW OF STRAIGHT SKIMMER SECTION



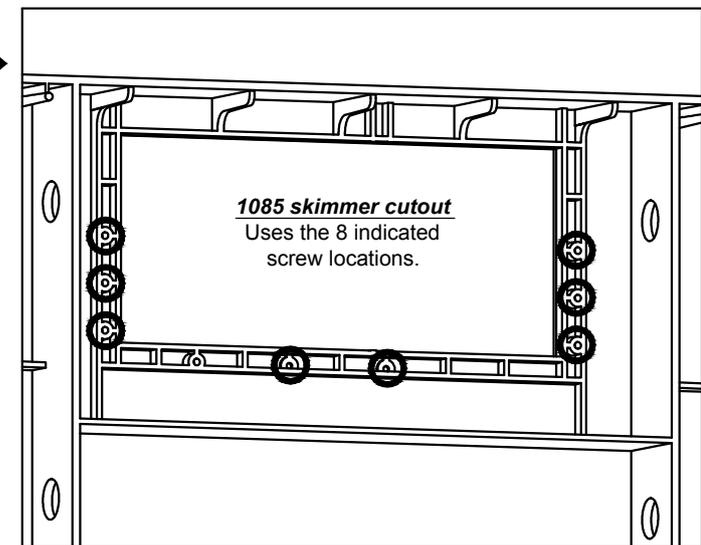
REARVIEW OF STRAIGHT SKIMMER SECTION

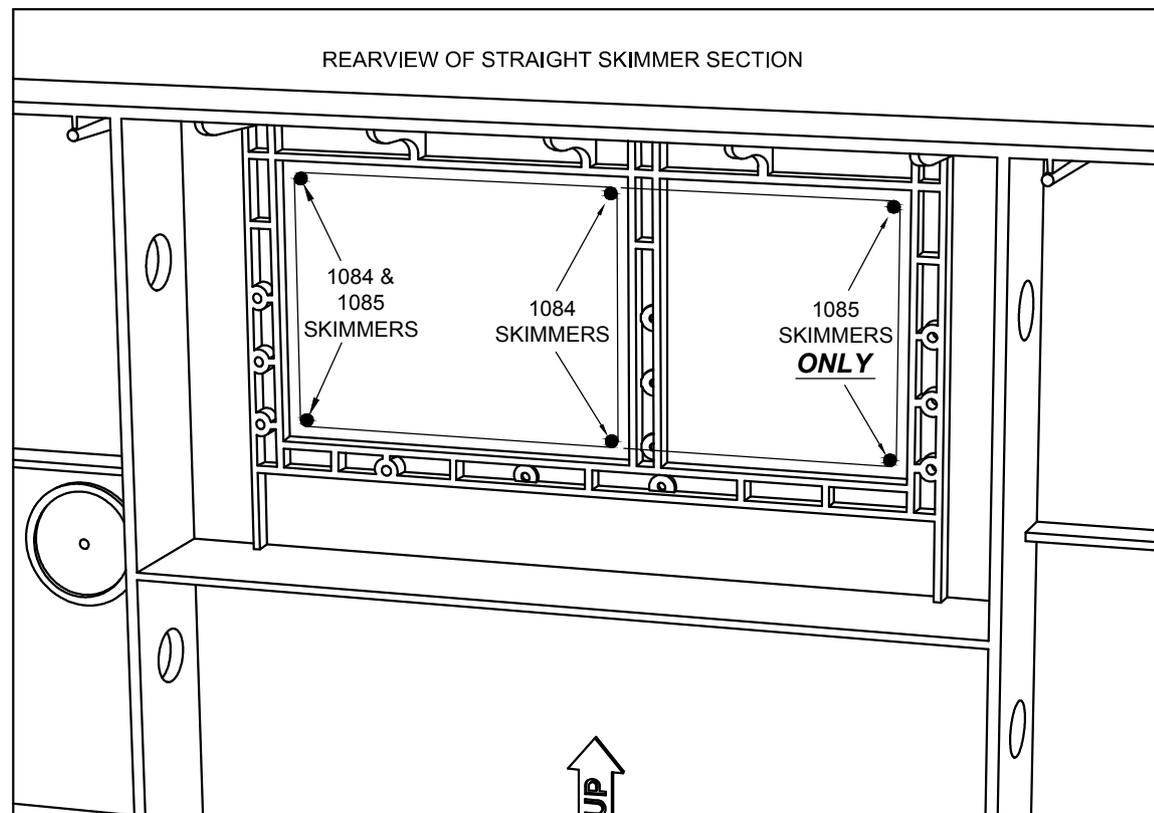


These 8 holes on the outer mounting flange of the skimmer align with the 8 pre-marked mounting holes for a 1085 style skimmer on the backside of the panel.

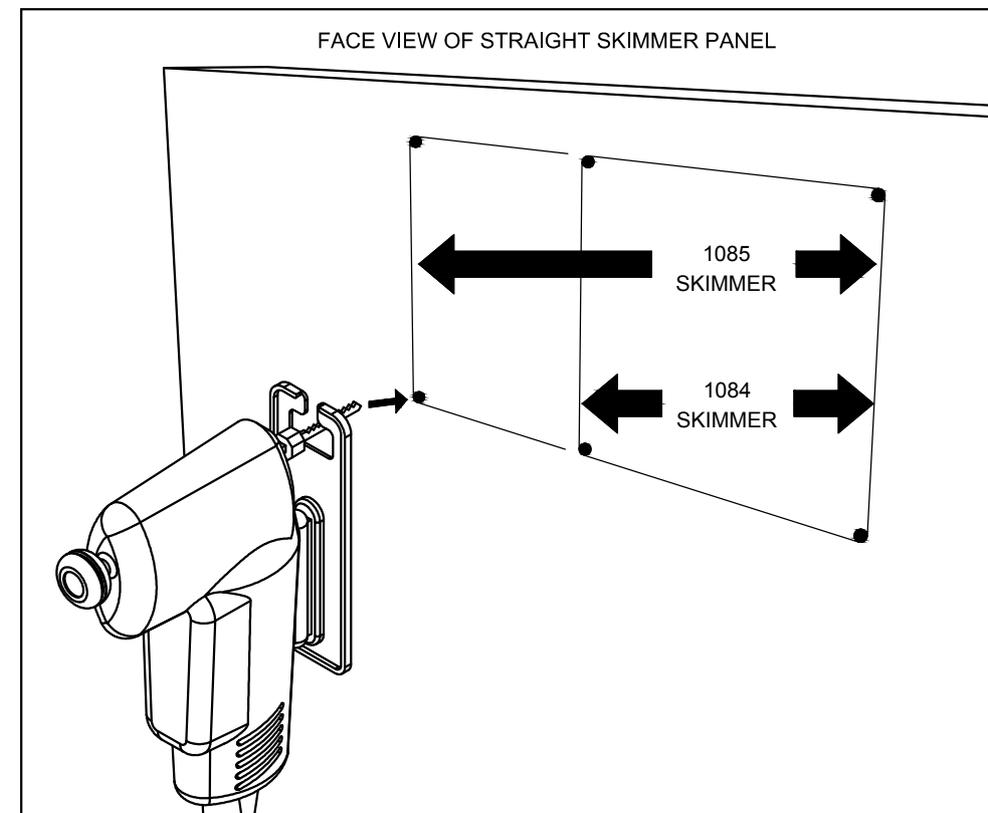


These 8 holes on the outer mounting flange of the skimmer align with the 8 pre-marked mounting holes for a 1084 style skimmer on the backside of the panel.





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.



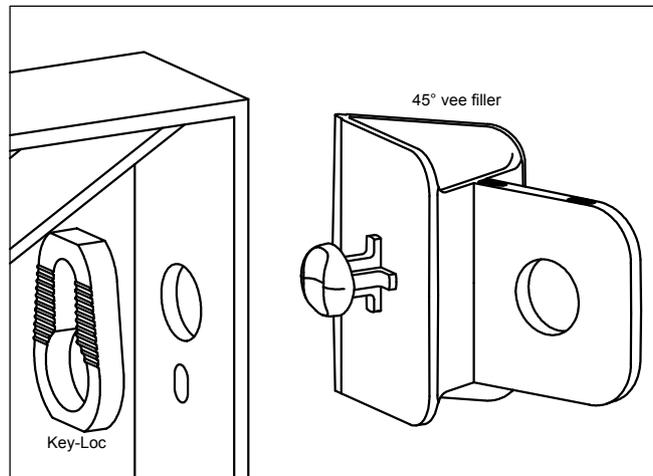
Using a straight edge, draw lines to show the skimmer section to be cut out. Use the outer edges of the drilled starter holes as a guide.

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.

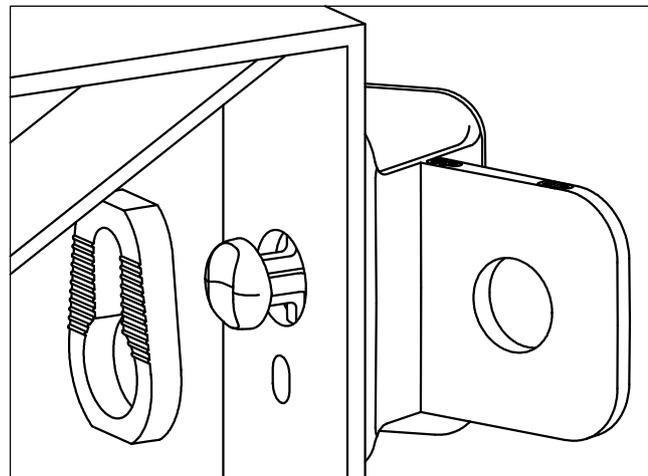
**\*\*\* NOTE \*\*\***

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.

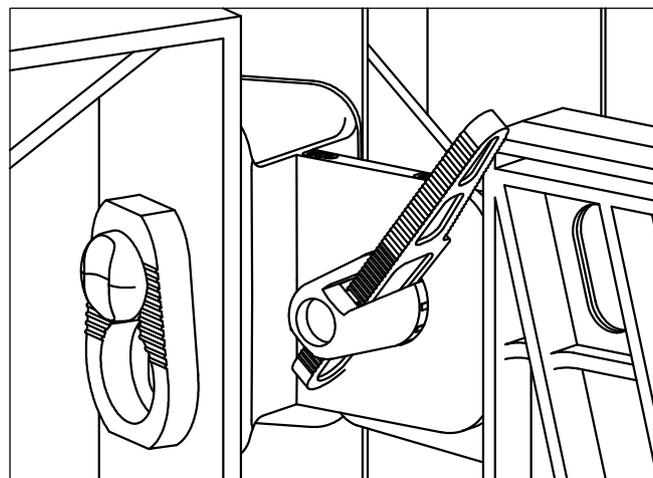
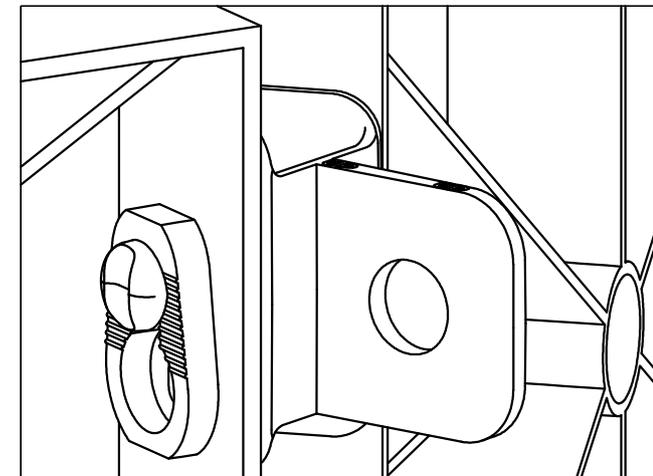
**1)** Each 45° Vee filler will connect 2 wall panels using the standard peg holes on the panels side flanges. Each 48" tall panel connection will require a total of (5) - 45° vee fillers and (10) Key-Locs.



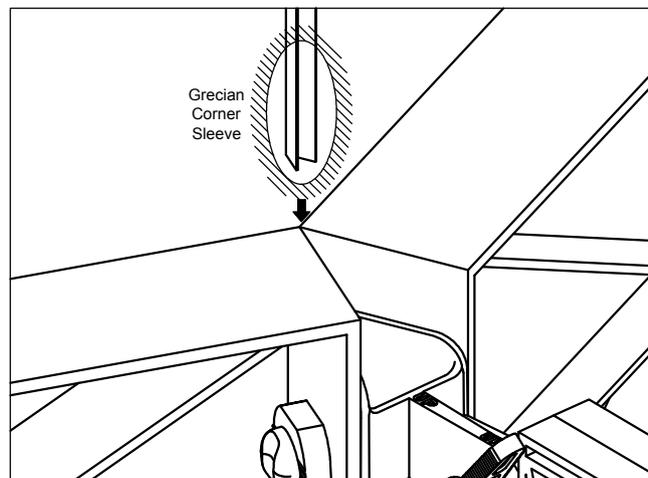
**2)** Attach all 5 Vee fillers to one panel first. Then align and attach the 2nd panel to the panel / vee filler assembly.



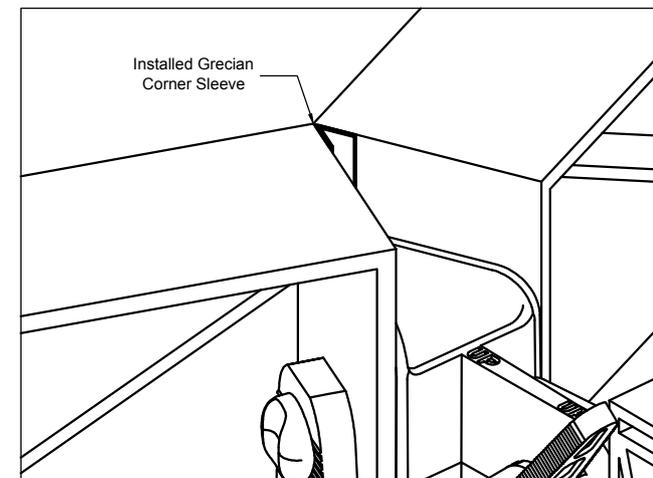
**3)** Each Key-Loc will fit over the head on the filler post and slide down to draw the wall panels together and lock the panel to the Vee filler.



**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.

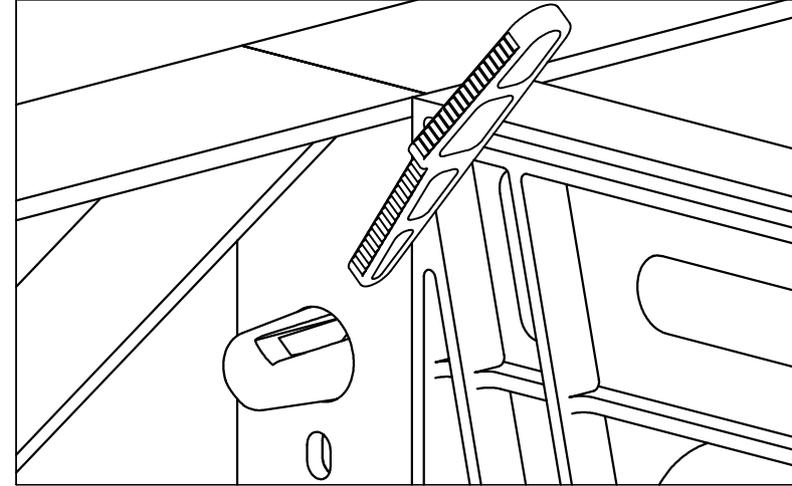
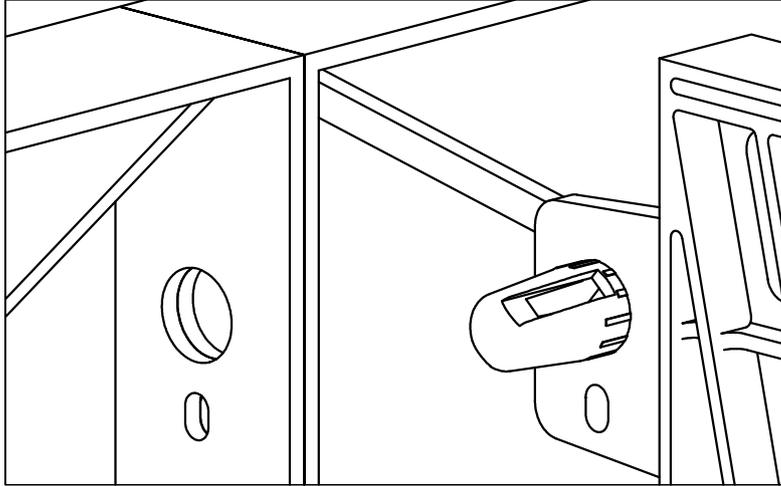


**5)** Slide the Grecian Corner Sleeve down between the nose of the Vee fillers and the wall panels to prevent dirt and debris from getting into the pool.



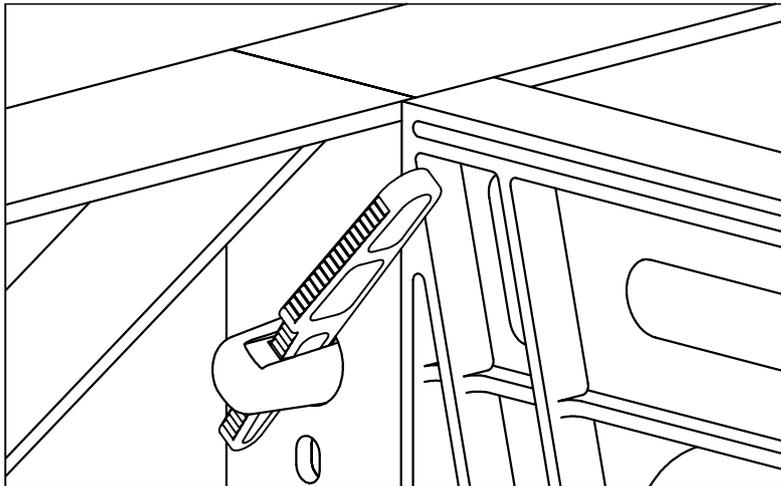
**6)** The completed installation will leave the Grecian Corner Sleeve flush with the top of the wall panel.

**1)** Set the 2 panels to be connected making sure the 5 - 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.

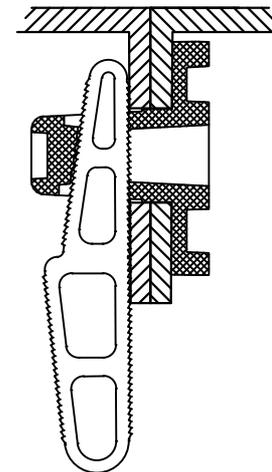


**2)** Break the wedges off of the molded brace. Slide the wedge through the slot in the peg (see the drawing below for proper orientation of the wedge depending on the location of the brace).

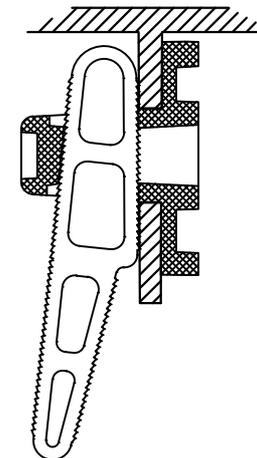
**3)** As the wedge is inserted through the peg, the panel joint will draw closed. The ratcheting effect of the teeth on the wedge and the teeth on the inside of the peg will prevent the wedge from backing out.



**WEDGE ORIENTATION AT  
PANEL - TO - PANEL  
CONNECTION**

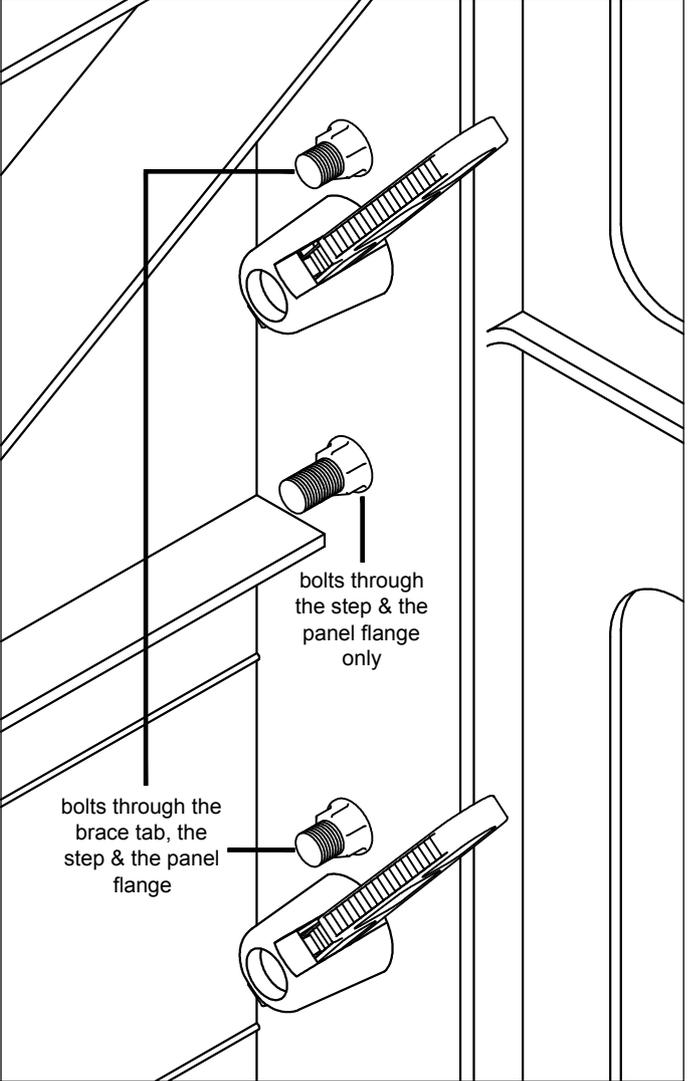
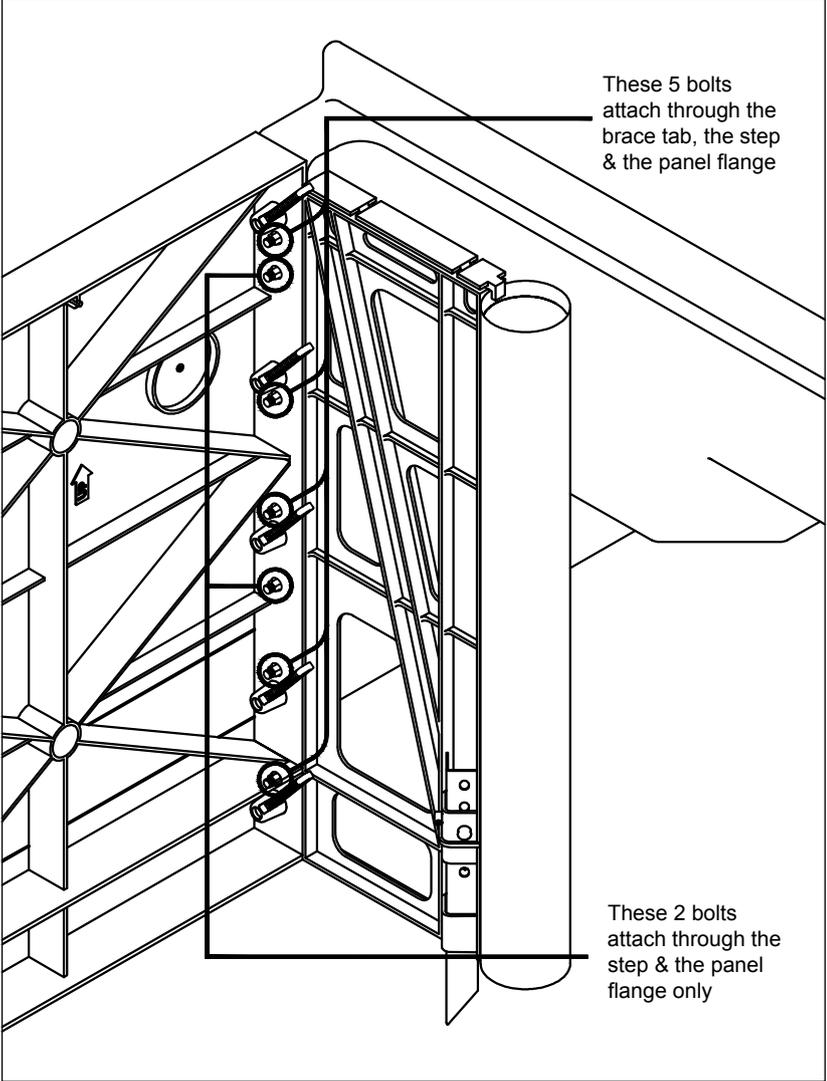
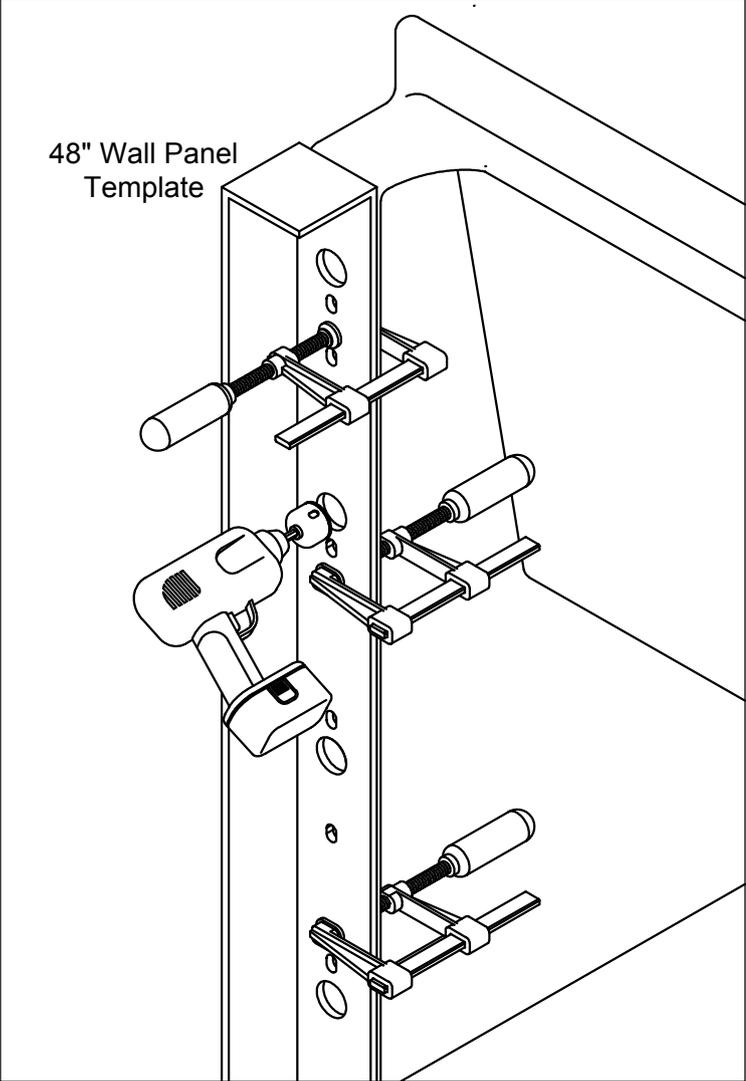


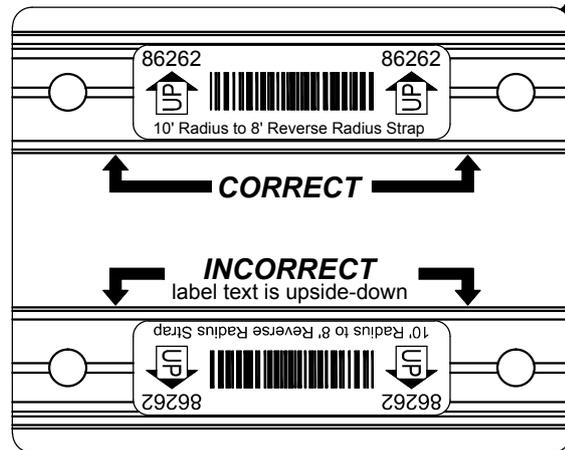
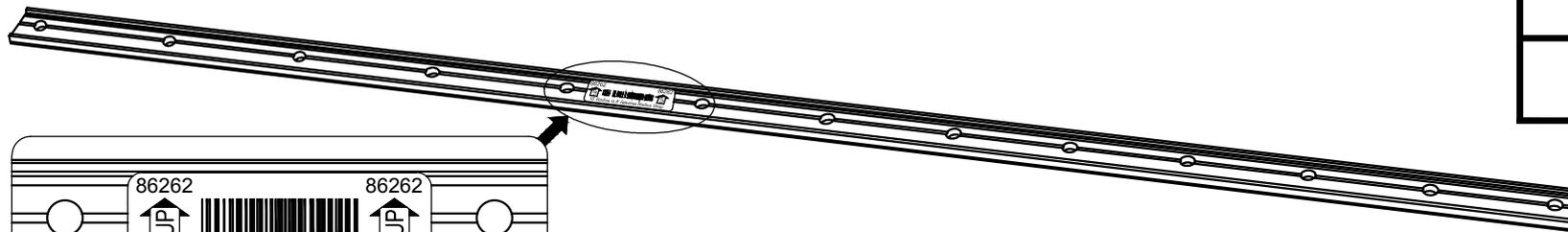
**WEDGE ORIENTATION AT A  
MID - PANEL RIB**



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 :
- 5 bolts will go through the brace tabs, the step, & the panel flange
  - 2 bolts will go through the step and the panel flange only





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 \*\*\***

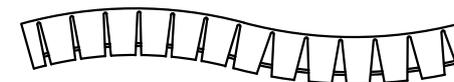
When assembling Versa-Flex panels and panel straps, **do not** install the strap on all 13 pins and then attach the push nuts. Assemble one pin at a time and securely fasten the push nut before proceeding to the next pin.



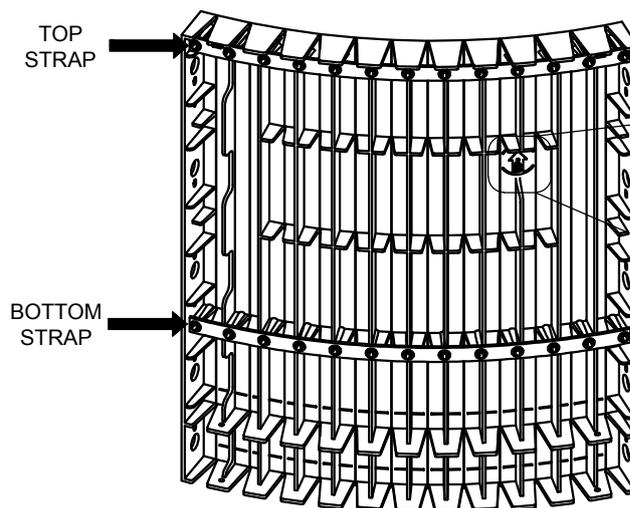
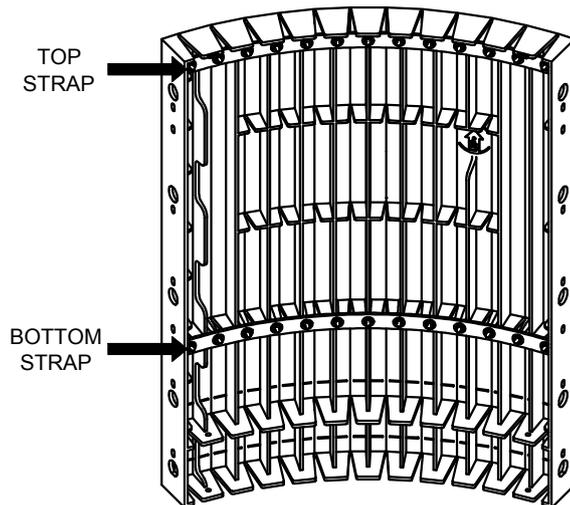
REVERSE RADIUS PANEL



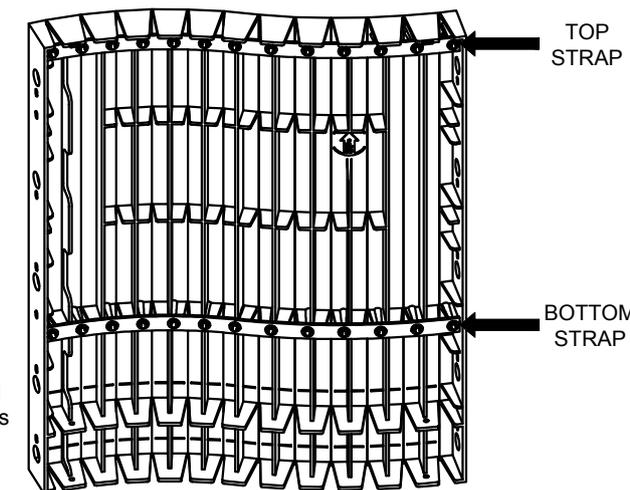
STANDARD RADIUS PANEL



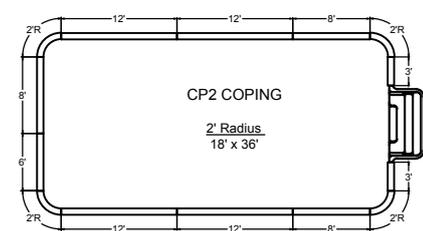
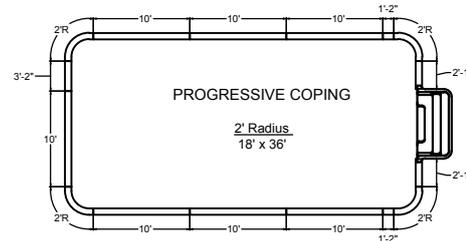
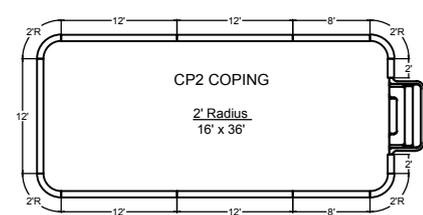
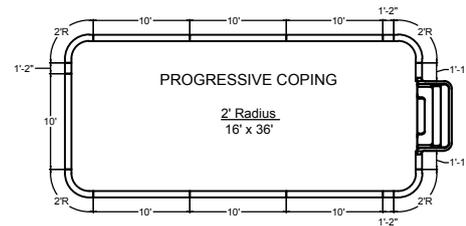
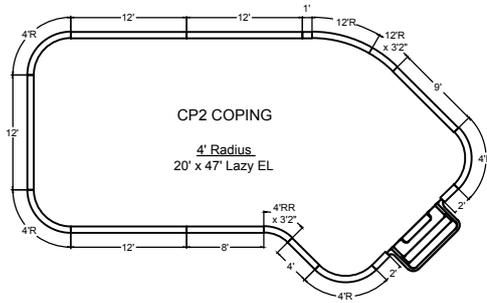
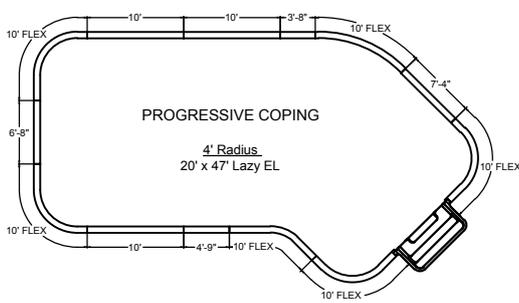
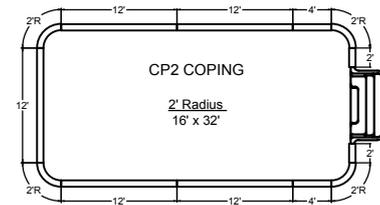
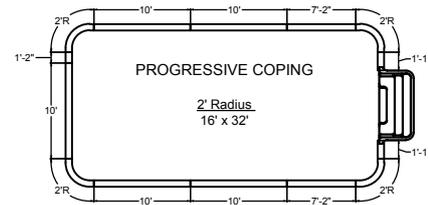
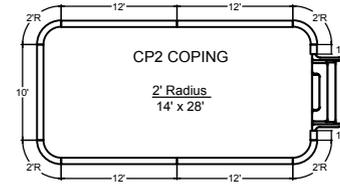
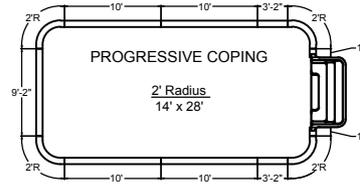
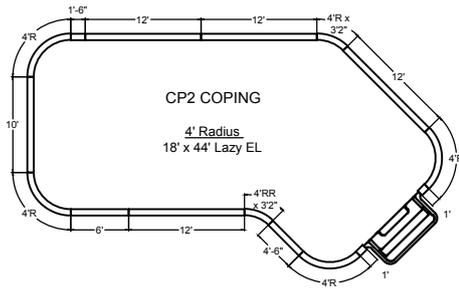
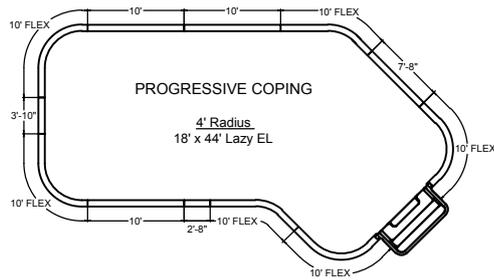
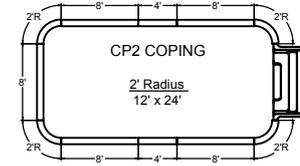
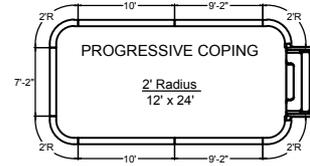
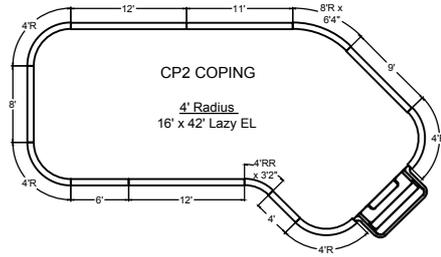
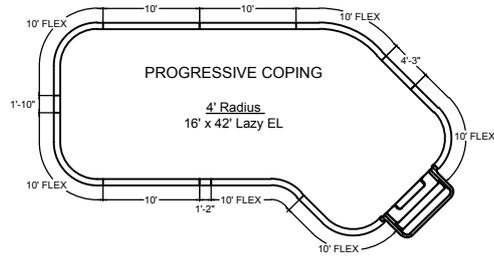
MULTIPLE RADIUS TRANSITION PANEL

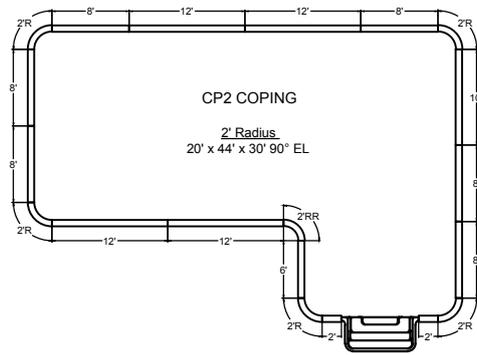
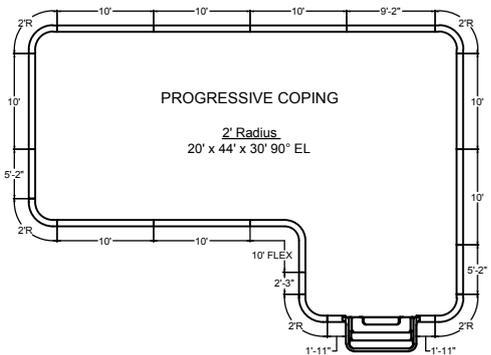
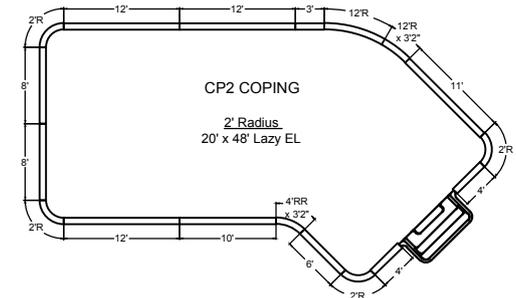
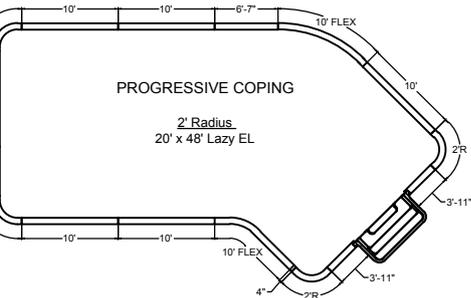
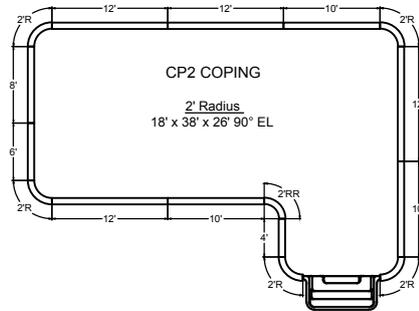
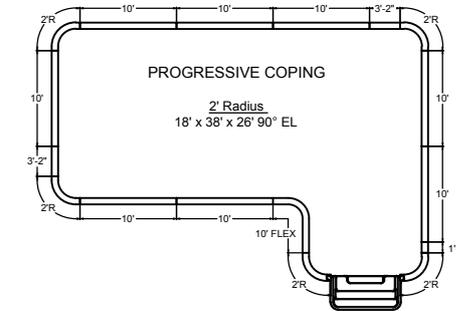
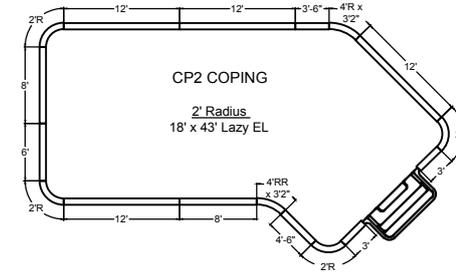
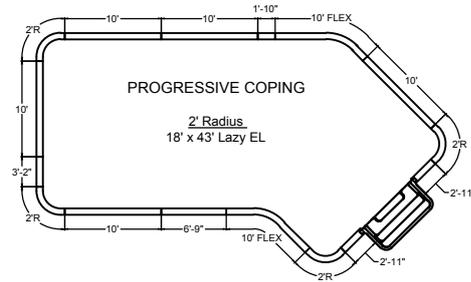
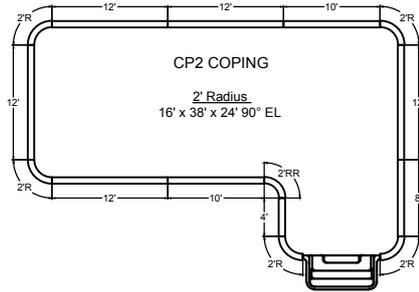
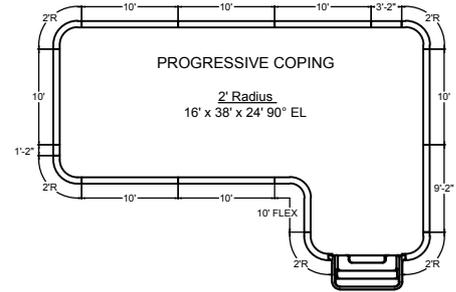
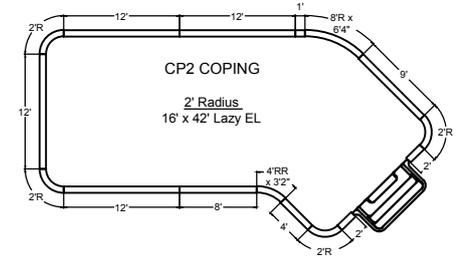
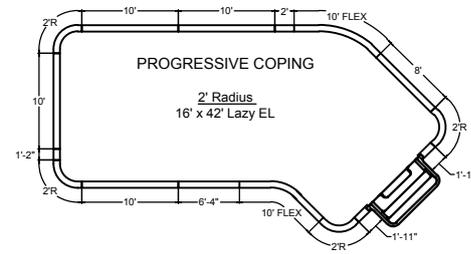
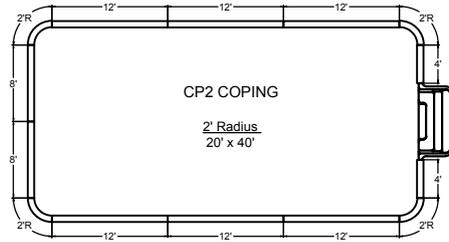
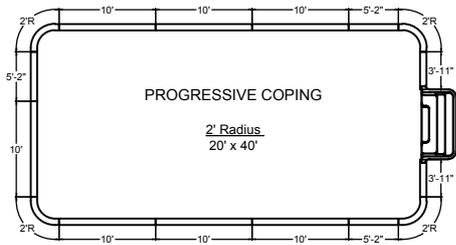


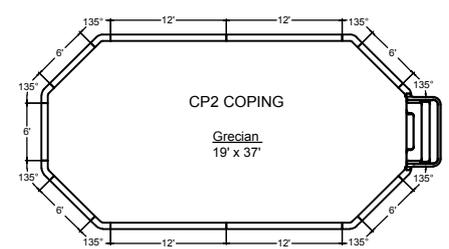
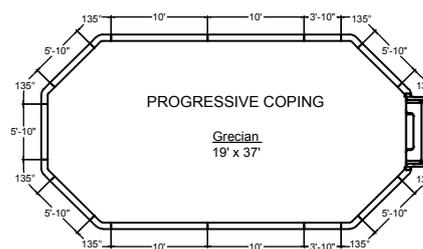
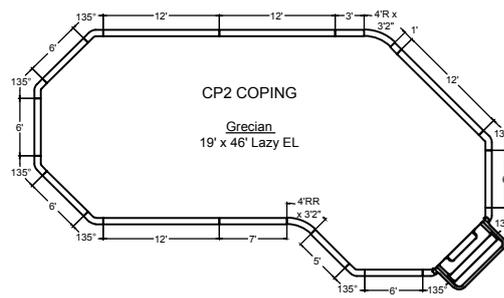
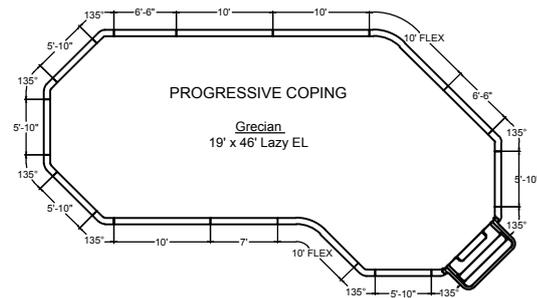
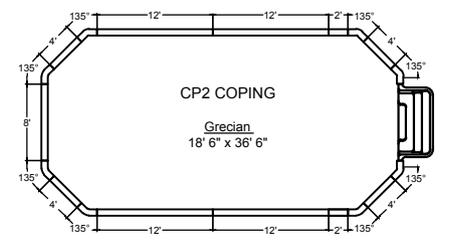
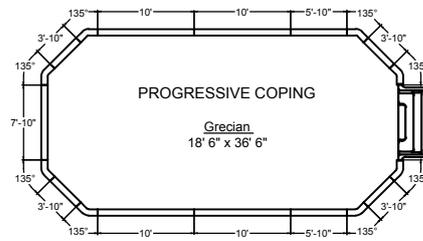
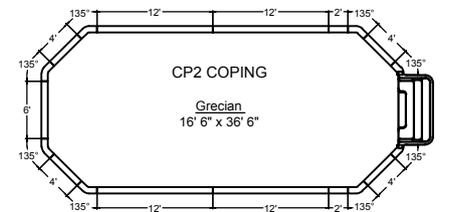
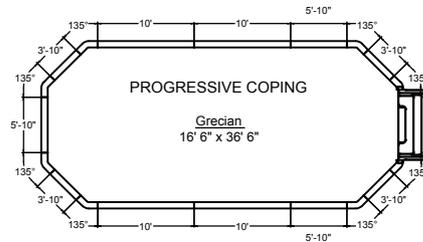
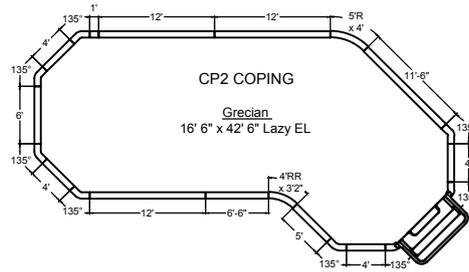
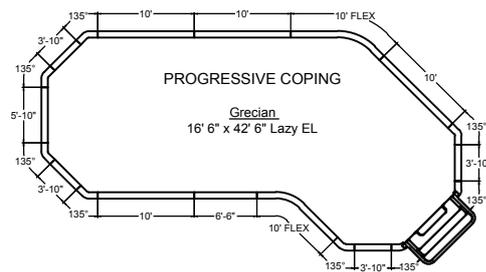
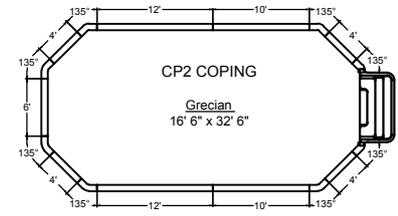
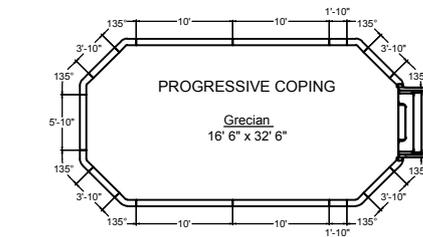
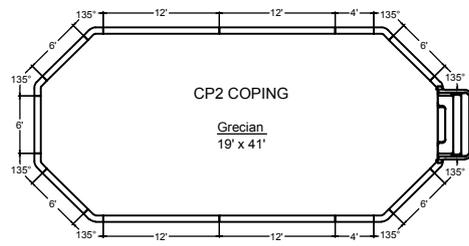
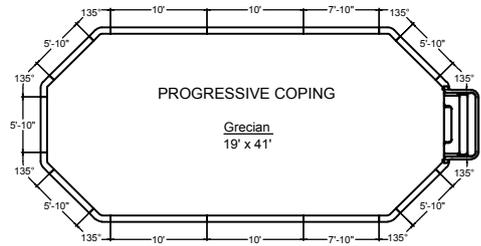
"UP" arrow designates proper panel orientation. The panel connection will not work properly if panel is placed upside-down.

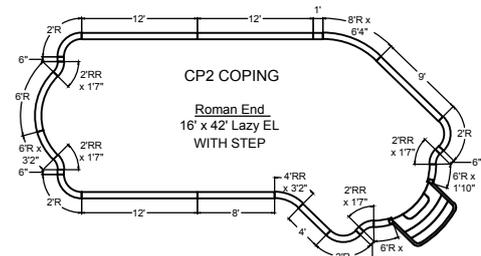
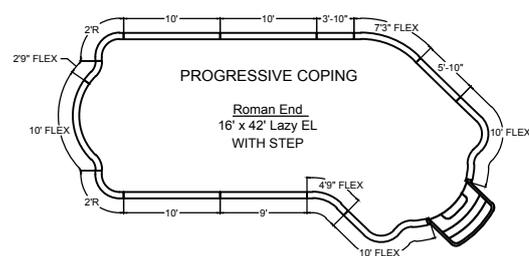
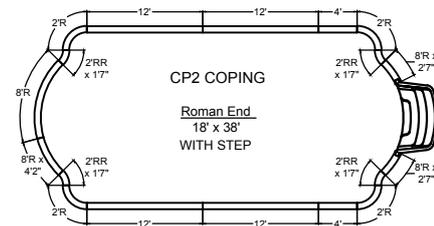
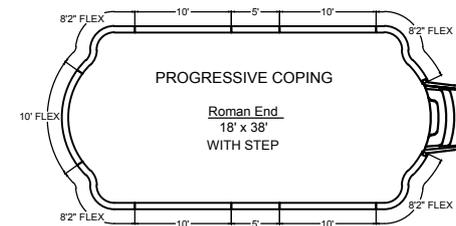
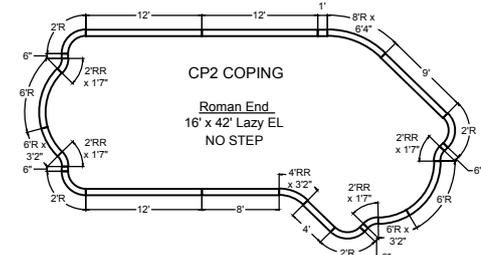
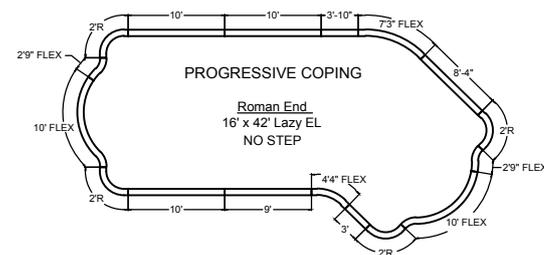
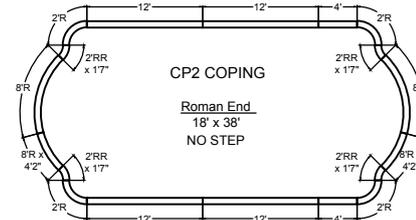
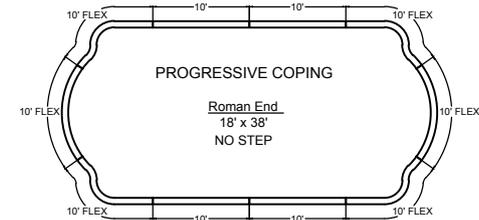
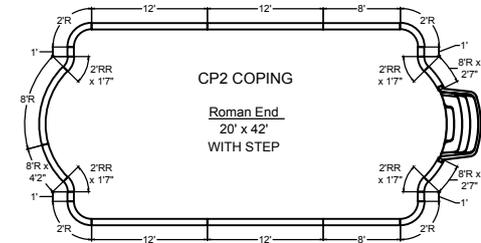
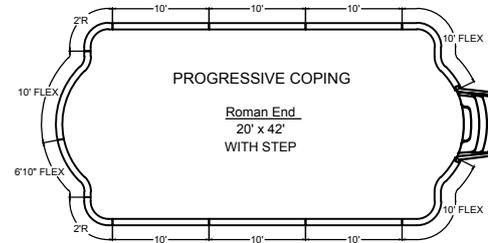
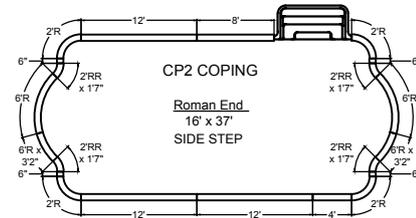
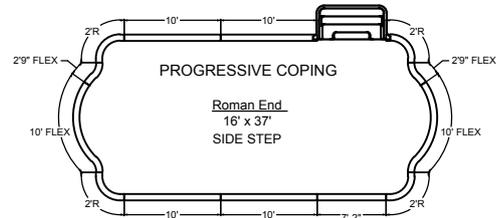
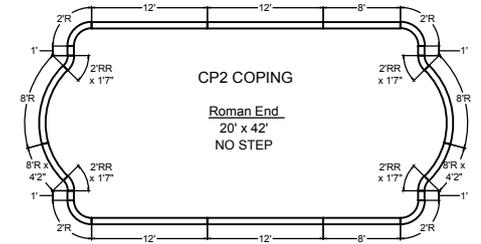
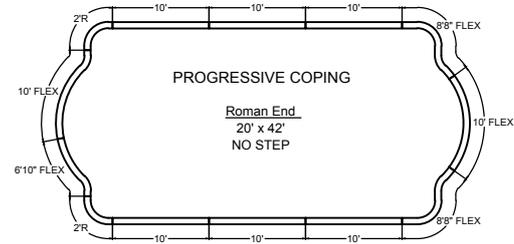
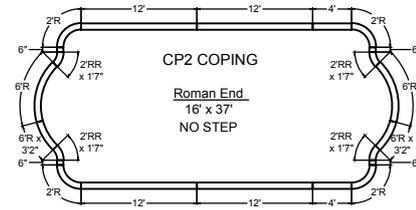
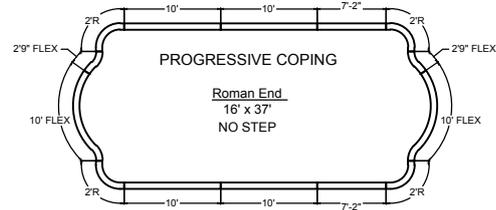


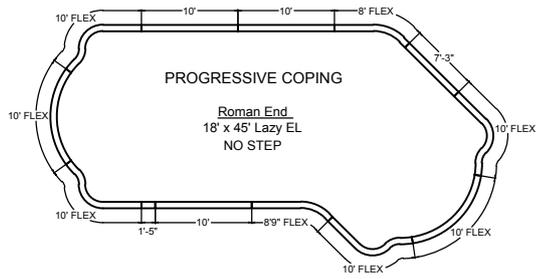






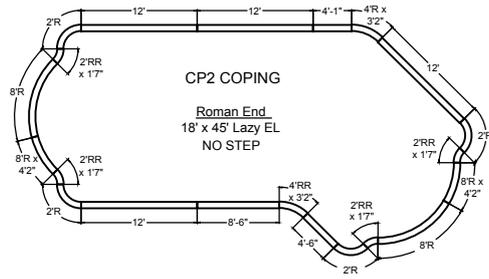






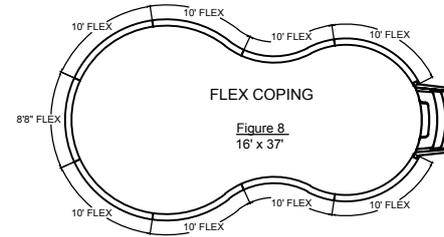
PROGRESSIVE COPING

Roman End  
18' x 45' Lazy EL  
NO STEP



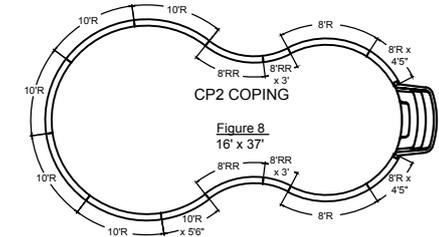
CP2 COPING

Roman End  
18' x 45' Lazy EL  
NO STEP



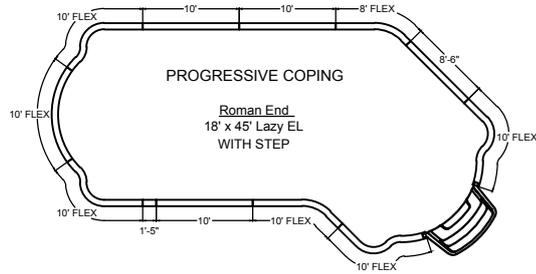
FLEX COPING

Figure 8  
16' x 37'



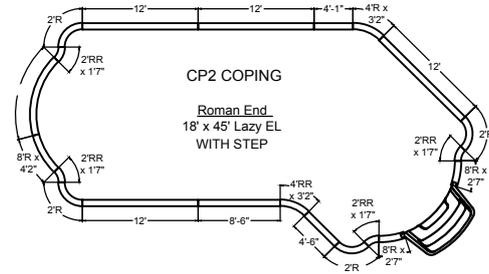
CP2 COPING

Figure 8  
16' x 37'



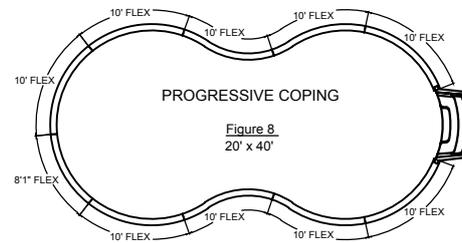
PROGRESSIVE COPING

Roman End  
18' x 45' Lazy EL  
WITH STEP



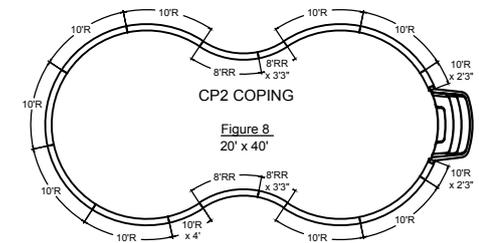
CP2 COPING

Roman End  
18' x 45' Lazy EL  
WITH STEP



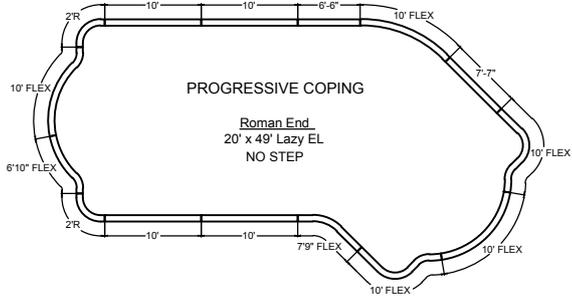
PROGRESSIVE COPING

Figure 8  
20' x 40'



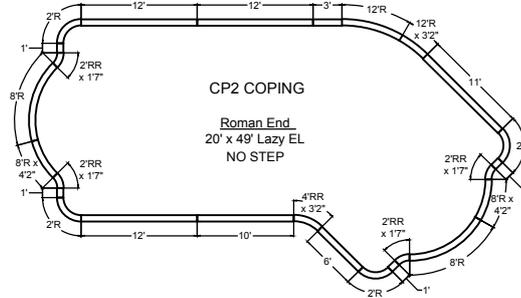
CP2 COPING

Figure 8  
20' x 40'



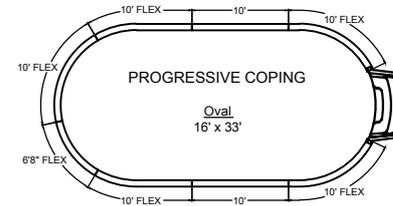
PROGRESSIVE COPING

Roman End  
20' x 49' Lazy EL  
NO STEP



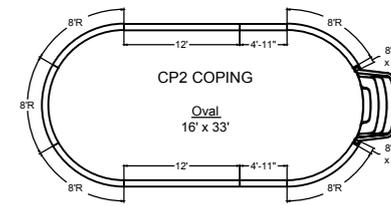
CP2 COPING

Roman End  
20' x 49' Lazy EL  
NO STEP



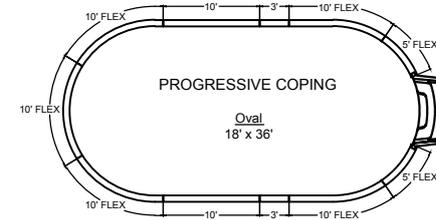
PROGRESSIVE COPING

Oval  
16' x 33'



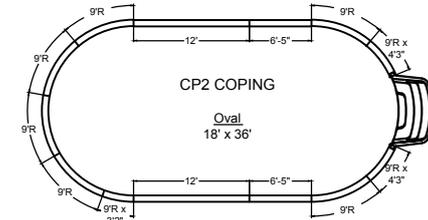
CP2 COPING

Oval  
16' x 33'



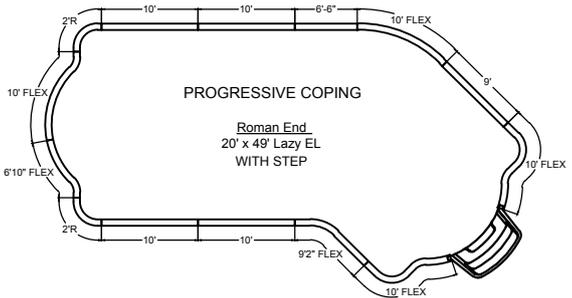
PROGRESSIVE COPING

Oval  
18' x 36'



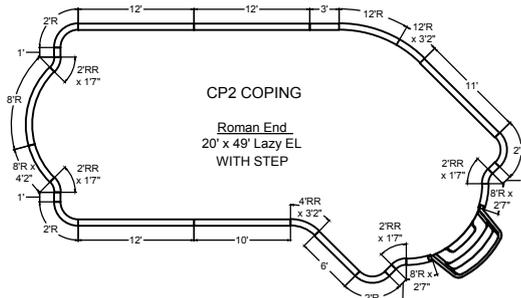
CP2 COPING

Oval  
18' x 36'



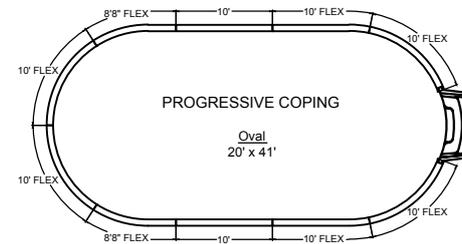
PROGRESSIVE COPING

Roman End  
20' x 49' Lazy EL  
WITH STEP



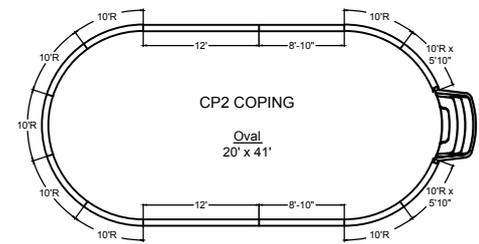
CP2 COPING

Roman End  
20' x 49' Lazy EL  
WITH STEP



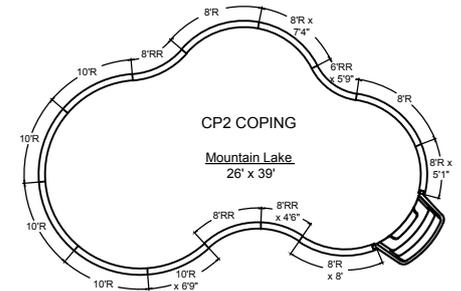
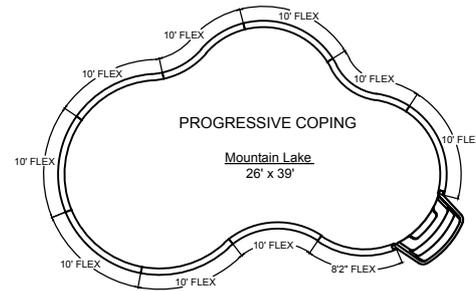
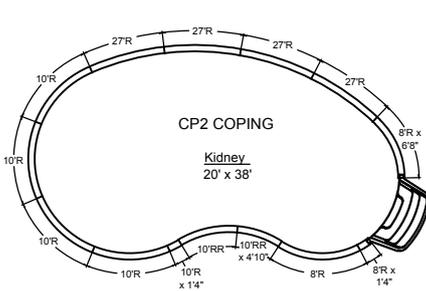
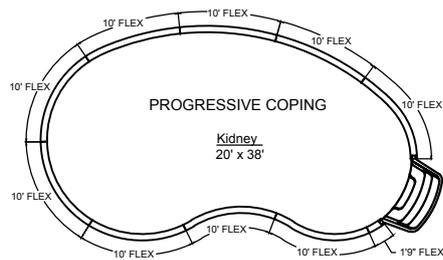
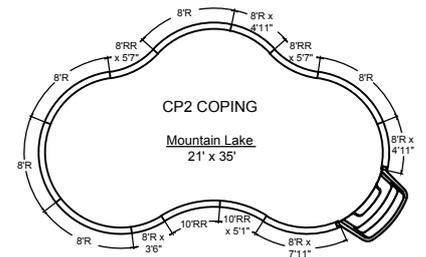
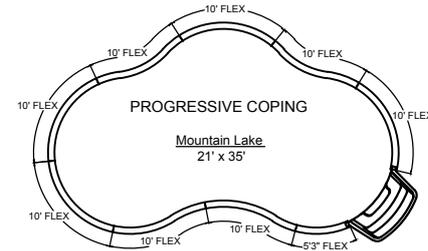
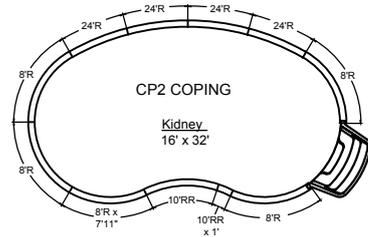
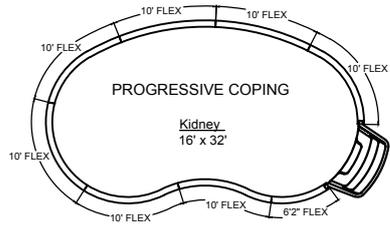
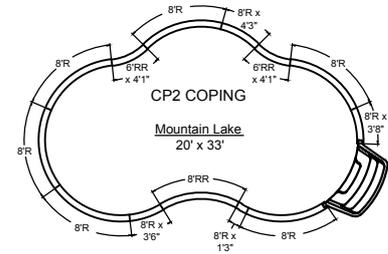
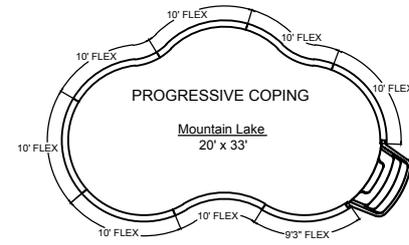
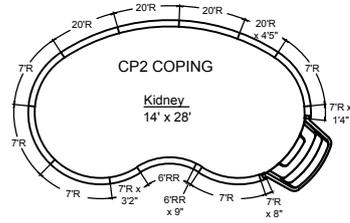
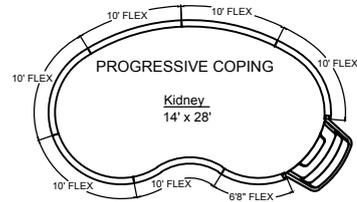
PROGRESSIVE COPING

Oval  
20' x 41'



CP2 COPING

Oval  
20' x 41'

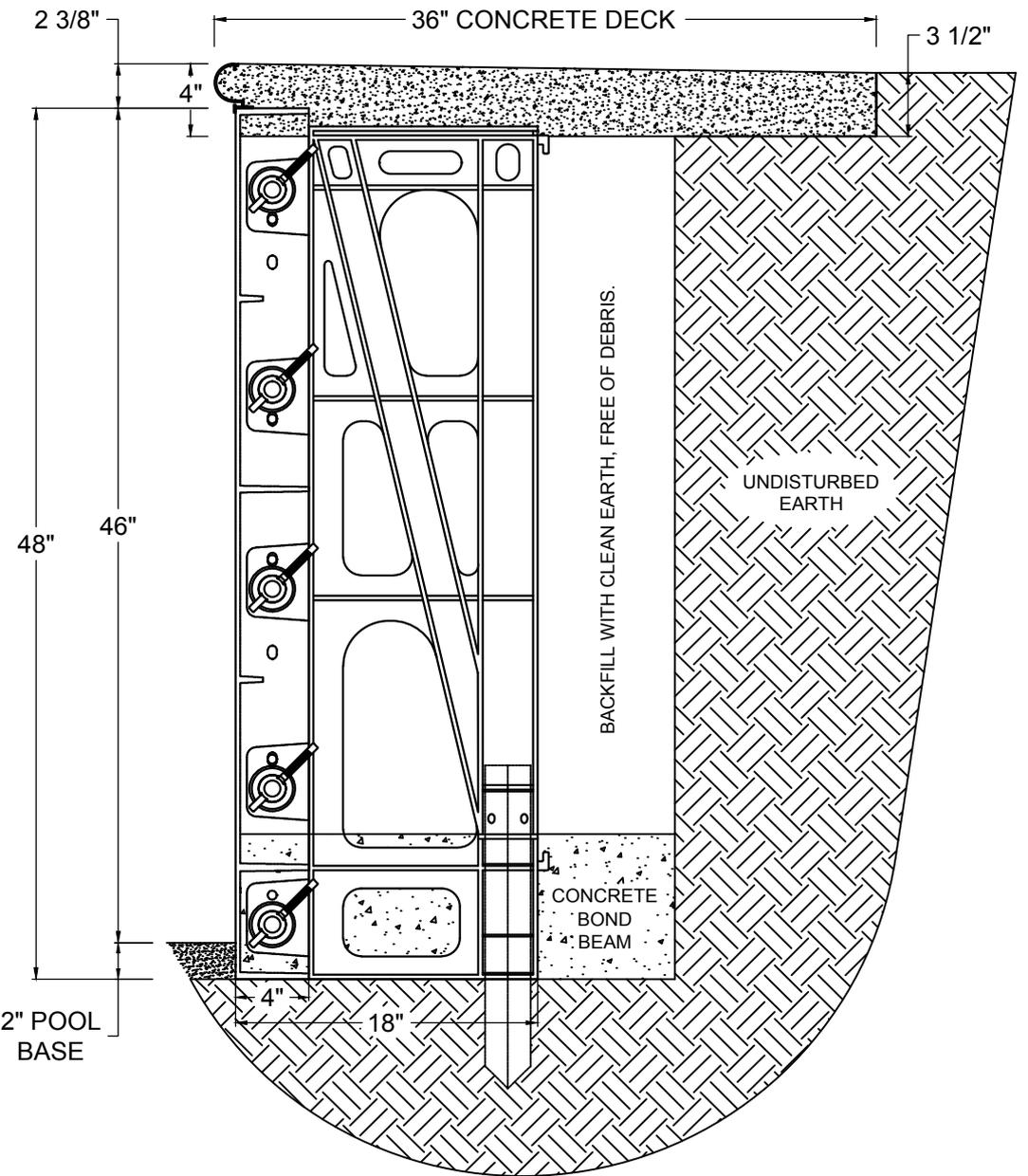
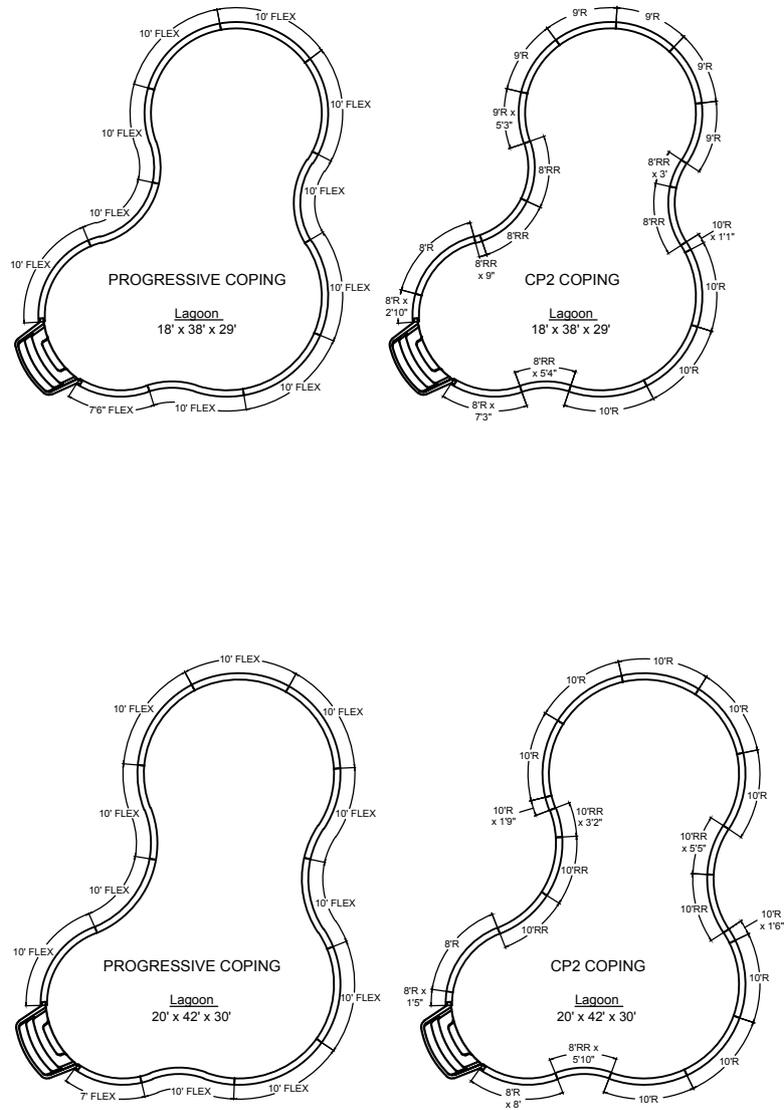




**COPING LAYOUTS  
PANEL DIG CROSS SECTION**

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 A.N.S.I. / N.S.P.I. suggested standards.





33 Wade Road | Latham, NY 12110