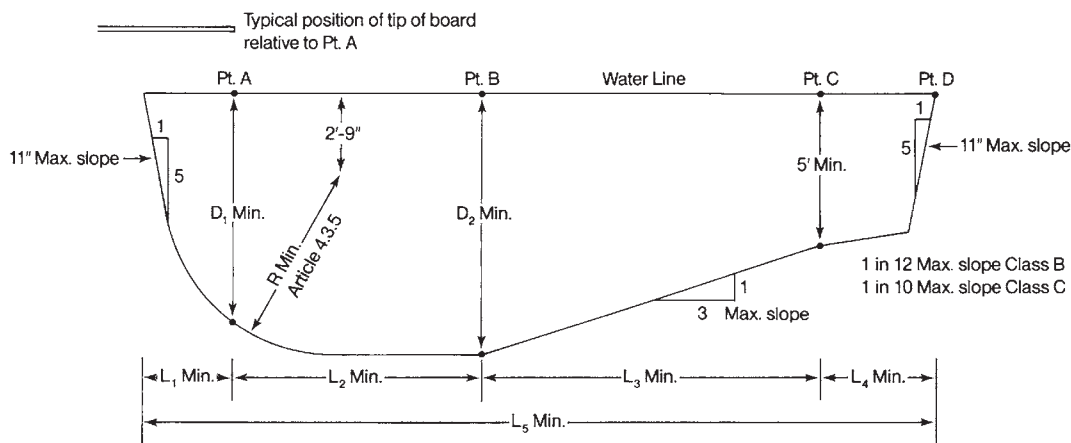


ANSI/NSPI-1 (2003) Standard for Public Swimming Pools

MINIMUM DIVING WATER ENVELOPE



NOTE: L₄ is a minimum dimension to allow sufficient length opposite the board.
This may of course be lengthened to form the shallow portion of the pool.

| POOL TYPE | MINIMUM DIMENSIONS | | | | | | | | MIN. WIDTH OF POOL AT: | | |
|--------------|--------------------|--------|-------|-------|--------|--------|-------|--------|------------------------|--------|--------|
| | D1 | D2 | R | L1 | L2 | L3 | L4 | L5 | PT. A | PT. B | PT. C |
| VI | 7'-0" | 8'-6" | 5'-6" | 2'-6" | 8'-0" | 10'-6" | 7'-0" | 28'-0" | 16'-0" | 18'-0" | 18'-0" |
| VII | 7'-6" | 9'-0" | 6'-0" | 3'-0" | 9'-0" | 12'-0" | 4'-0" | 28'-0" | 18'-0" | 20'-0" | 20'-0" |
| VIII | 8'-6" | 10'-0" | 7'-0" | 4'-0" | 10'-0" | 15'-0" | 2'-0" | 31'-0" | 20'-0" | 22'-0" | 22'-0" |
| IX | 11'-0" | 12'-0" | 8'-6" | 6'-0" | 10'-6" | 21'-0" | 0 | 37'-6" | 22'-0" | 24'-0" | 24'-0" |

L₂, L₃, and L₄ combined represent the minimum distance from the tip of board to pool wall opposite diving equipment.
For board heights exceeding 3 meters see Article 4.5.2.

NOTE: Placement of boards shall observe the following minimum dimensions.
With multiple board installations minimum pool widths must be increased accordingly.

| | |
|--|-----|
| Deck Level Board to Pool Side | 8' |
| 1 Meter Board to Pool Side | 10' |
| 3 Meter Board to Pool Side | 11' |
| 1 Meter or Deck Level Board to 3 Meter Board | 10' |
| 1 Meter or Deck Level Board to another 1 Meter or Deck Level Board | 8' |
| 3 Meter to another 3 Meter Board | 10' |

ANSI/ NSPI-5 2003 Standard for Residential Inground Swimming Pools

MINIMUM DIVING WATER ENVELOPE

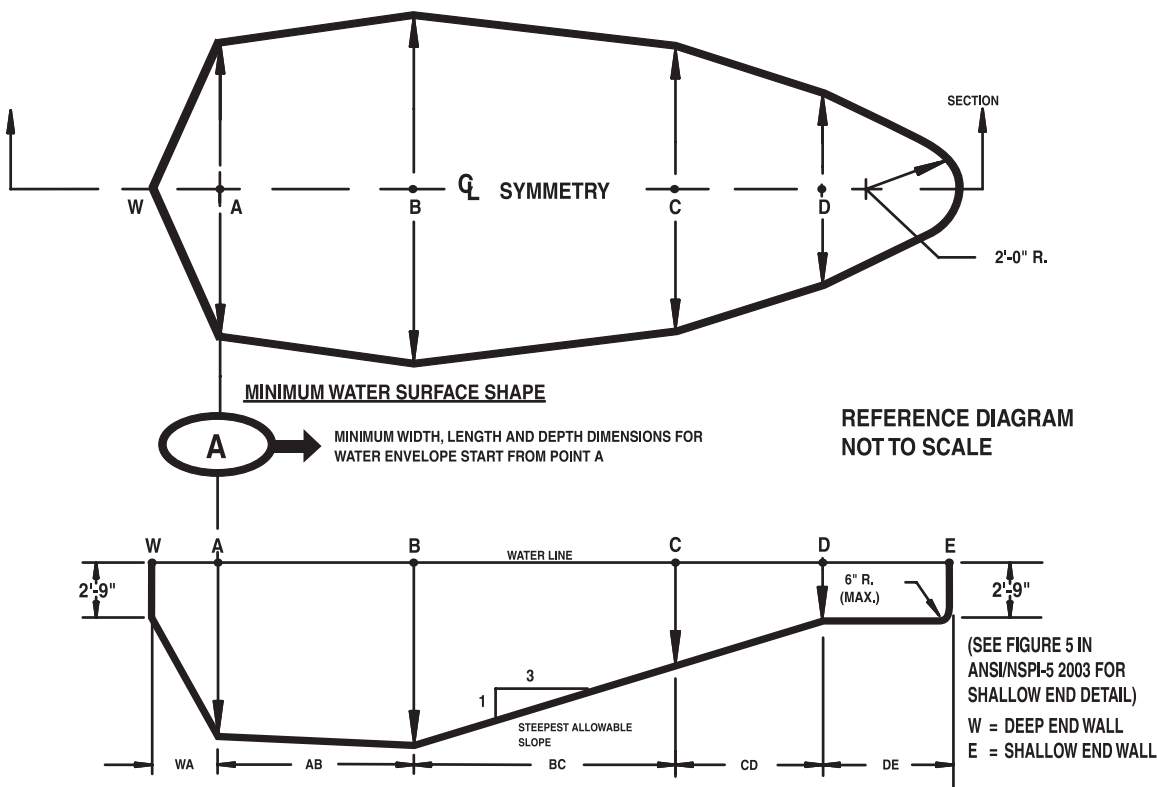
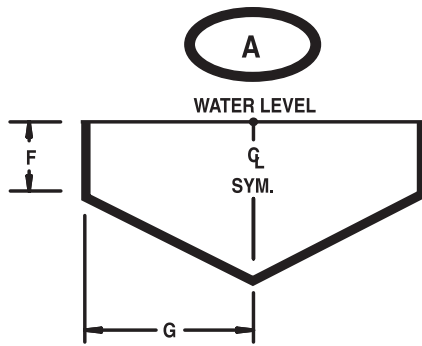


TABLE 1 – MINIMUM WATER ENVELOPE (ANSI/NSPI-5 2003)

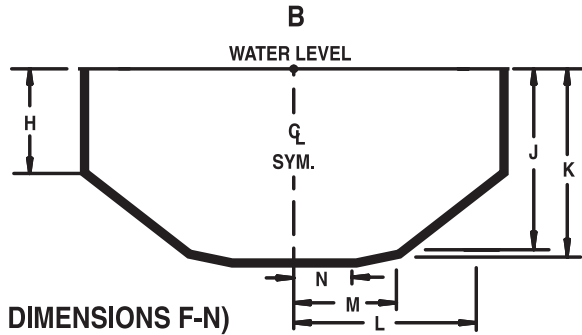
| POOL TYPE | MINIMUM DEPTHS AT POINT | | | | MIN. WIDTH OF POOL AT POINT | | | | MINIMUM LENGTHS BETWEEN POINTS | | | | MINIMUM LENGTHS BETWEEN POINTS | |
|-----------|--------------------------------|-------|-------|-------|-----------------------------|--------|--------|-------|--------------------------------|-------|--------|--------|--------------------------------|--------|
| | A | B | C | D | A | B | C | D | WA | AB | BC | CD* | DE | WE |
| 0 | DIVING EQUIPMENT IS PROHIBITED | | | | | | | | | | | | | |
| I | 6'-0" | 7'-6" | 5'-0" | 2'-9" | 10'-0" | 12'-0" | 10'-0" | 8'-0" | 1'-6" | 7'-0" | 7'-6" | VARIES | 6'-0" | 28'-9" |
| II | 6'-0" | 7'-6" | 5'-0" | 2'-9" | 12'-0" | 15'-0" | 12'-0" | 8'-0" | 1'-6" | 7'-0" | 7'-6" | VARIES | 6'-0" | 28'-9" |
| III | 6'-10" | 8'-0" | 5'-0" | 2'-9" | 12'-0" | 15'-0" | 12'-0" | 8'-0" | 2'-0" | 7'-6" | 9'-0" | VARIES | 6'-0" | 31'-3" |
| IV | 7'-8" | 8'-6" | 5'-0" | 2'-9" | 15'-0" | 18'-0" | 15'-0" | 9'-0" | 2'-6" | 8'-0" | 10'-6" | VARIES | 6'-0" | 33'-9" |
| V | 8'-6" | 9'-0" | 5'-0" | 2'-9" | 15'-0" | 18'-0" | 15'-0" | 9'-0" | 3'-0" | 9'-0" | 12'-0" | VARIES | 6'-0" | 36'-9" |

NOTES:

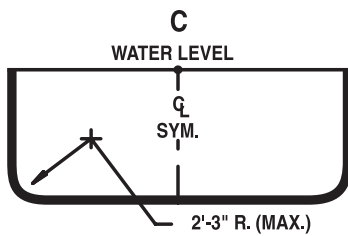
- *1. Minimum length between points CD may vary based upon water depth at point D and the slope between points C & D.
2. Figure 3 drawings are not to scale. (For pool types, see ANSI/NSPI-5 2003 Glossary).



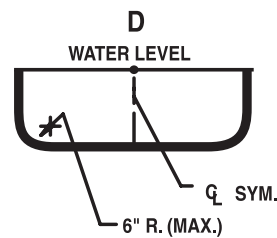
CROSS SECTION AT POINT A



CROSS SECTION AT POINT B



CROSS SECTION AT POINT C



CROSS SECTION AT POINT D

| POOL TYPE | | BOARD LENGTH | | | | | |
|-------------|------------------------------|--------------------------------|-------------|--------------|---------------|--------------|------------------|
| | | Pool Type 0 | Pool Type I | Pool Type II | Pool Type III | Pool Type IV | Pool Type V |
| STAND MODEL | Big Kahuna | DIVING EQUIPMENT IS PROHIBITED | YES | YES | YES | YES | YES |
| | D-Lux | | 6' | 6' | 6' | 6' | 6' |
| | Flyte-Deck | | 6' | 6', 8' | 6', 8', 10' | 6', 8', 10' | 6', 8', 10' |
| | U-Frame | | 6' | 6', 8' | 6', 8', 10' | 6', 8', 10' | 6', 8', 10', 12' |
| | 606/608 Cantiliver (steel) | | 6' | 6' | 6', 8' | 6', 8' | 6', 8' |
| | 656/658 Supreme (fiberglass) | | 6' | 6' | 6', 8' | 6', 8' | 6', 8' |
| | Boja | | 6' | 6' | 6', 8' | 6', 8' | 6', 8' |
| | Frontier II | | 6' | 6' | 6', 8' | 6', 8' | 6', 8' |
| | 1/2 Meter Steel | | | 8' | 8', 10' | 8', 10' | 8', 10' |
| | 3/4 Meter Steel | | | | | 10' | 10', 12' |
| | 1 Meter Steel | | | | | | 10', 12' |

TABLE 2 – S.R. SMITH RESIDENTIAL POOL SPECIFICATIONS

| POOL TYPE | MAX. DIVING BOARD LENGTH | MAX. HEIGHT OVER WATER | CROSS SECTIONAL DIMENSIONS AT POINT A | | CROSS SECTIONAL DIMENSIONS AT POINT B | | | | | |
|-----------|---------------------------------------|------------------------|---------------------------------------|------------|---------------------------------------|-----------|-------|-----------|------------|-----------|
| | DBL ** | HOW ** | F | G | H | J | K | L | M | N |
| 0 | DIVING EQUIPMENT IS PROHIBITED | | | | | | | | | |
| I | 6' DB/6' JB | 20" | 2'-9" | 5'-0" | 4'-0" | 7'-2 1/2" | 7'-6" | 6'-0" | 3'-9" | 2'-1 1/2" |
| II | 8' DB/6' JB | 20" | 2'-9" | 3'-10" | 4'-2" | 7'-2 1/2" | 7'-6" | 6'-8" | 3'-9" | 2'-1 1/2" |
| III | 10' DB/8' JB | 26" | 2'-9" | 4'-4 3/4" | 4'-4 1/2" | 7'-5 1/2" | 8'-0" | 6'-7" | 3'-11 1/2" | 1'-7 1/2" |
| IV | 10' DB/8' JB | 30" | 2'-9" | 5'-10 1/2" | 3'-10" | 7'-8" | 8'-6" | 8'-3" | 5'-7" | 2'-7" |
| V | 12' DB/8' JB | 40" | 2'-9" | 6'-2" | 3'-11 1/2" | 7'-9 1/2" | 9'-0" | 8'-2 1/2" | 5'-9" | 2'-1" |

NOTES:

1. ABBREVIATIONS: DBL=Diving Board Length, DB=Diving Board, JB=Jump Board, HOW=Height Over Water.
2. IMPORTANT: The walls of a Type I Pool, when defining the Maximum Diving Water Envelope shall be plumb.
3. All dimensions are minimum, except where noted as maximum.
4. One half (1/2) the width shown at each point shall be available on each side of the diving equipment centerline.
5. Minimum water depth under tip of diving board (Point A) is important to maintain.