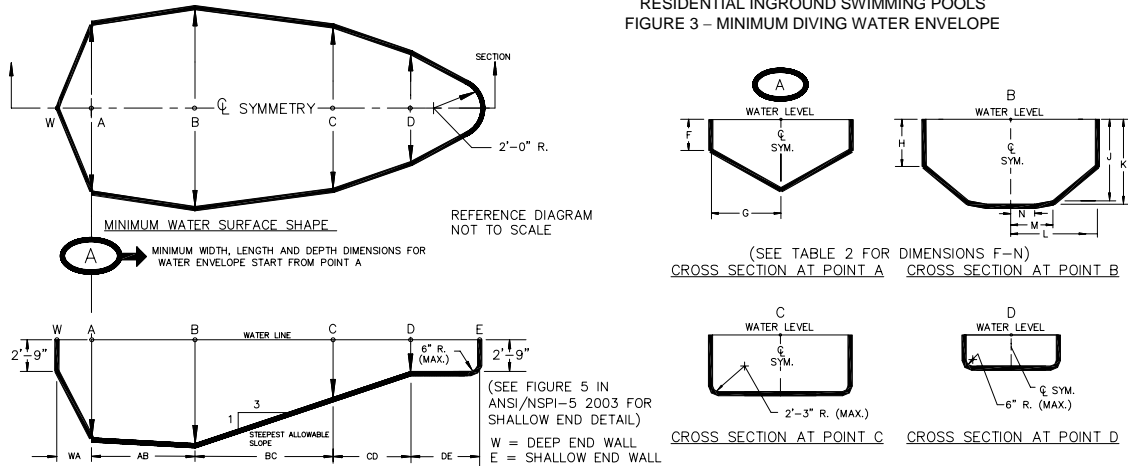


# MINIMUM WATER ENVELOPE DIMENSIONS FOR RESIDENTIAL INGROUND POOLS WITH MANUFACTURED DIVING EQUIPMENT

6', 8', 10' & 12' DIVING BOARDS • 6' & 8' JUMP BOARDS

S.R. SMITH LLC. • P.O. BOX 400 • CANBY, OR. 97013 • (503) 266-2231

REFER TO ANSI/NSPI-5 2003 AMERICAN NATIONAL STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS  
FIGURE 3 – MINIMUM DIVING WATER ENVELOPE



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

POOL TYPE	MINIMUM DEPTHS AT POINT				MINIMUM WIDTHS AT POINT				MINIMUM LENGTHS BETWEEN POINTS					
	A	B	C	D	A	B	C	D	WA	AB	BC	CD*	DE	WE
0	<b>DIVING EQUIPMENT IS PROHIBITED</b>													
I	6'-0"	7'-6"	5'-0"	2'-9"	10'-0"	12'-0"	10'-0"	8'-0"	1'-6"	7'-0"	7'-6"	VARIABLES	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"	VARIABLES	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"	VARIABLES	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"	VARIABLES	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"	VARIABLES	6'-0"	36'-9"

NOTE:

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

**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	<b>DIVING EQUIPMENT IS PROHIBITED</b>									
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/8' 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"

NOTE:

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