

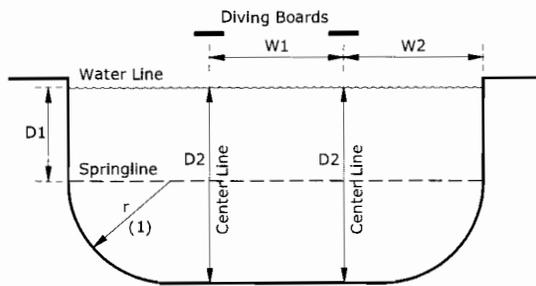
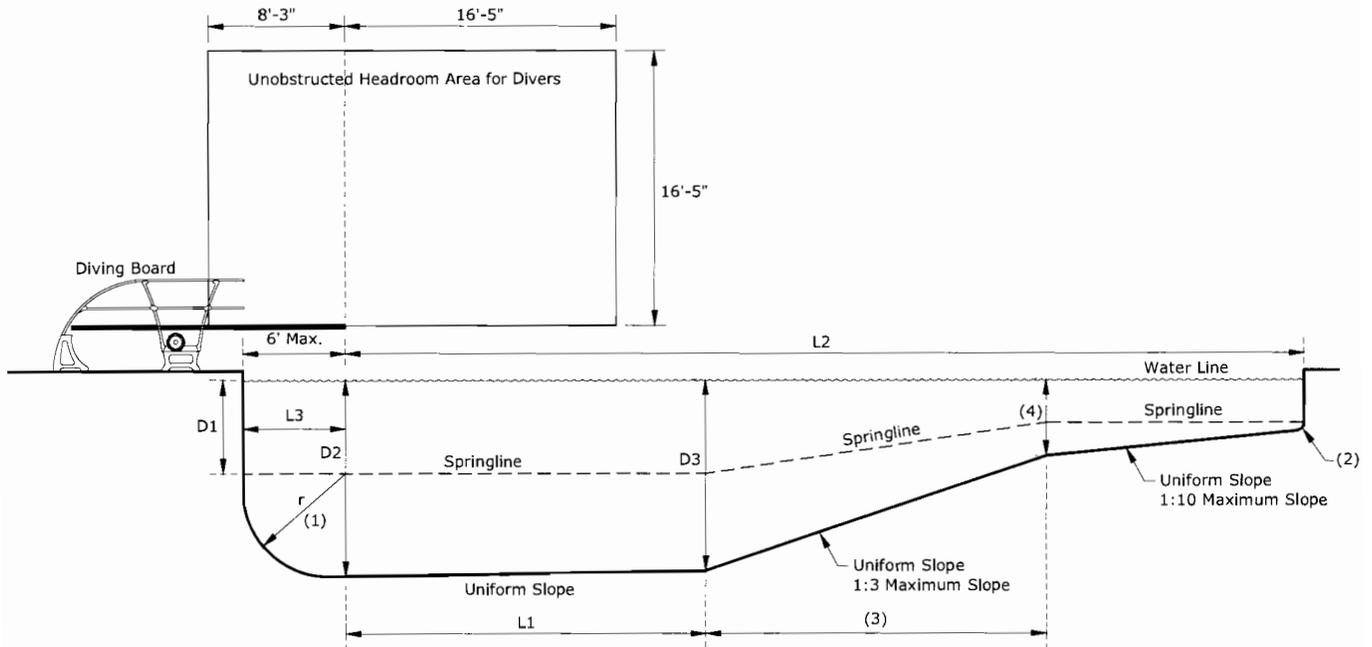
Eric,

I have reviewed the revised diving tables which start on Page 41 of 46 and go through Page 46 of 46.

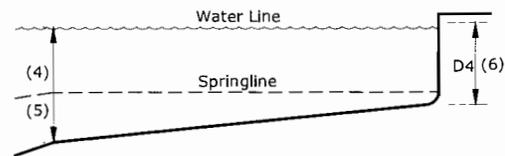
My comments are:

1. My first comment is: if possible, have the notes for each figure and table on the same page as the figure and table. If this is not done, it causes a lot of confusion for people going back and forth between the two pages. Having the notes for a particular figure on the same page as that figure is the strongest way to link the two together and associate them with each other. You will note this is what I have done on my figures and tables and notes that I am sending back to you.
2. My second comment is: the note that is on each of the figures and tables says "The main drain shall be located to provide complete drainage of the pool"; this note is not in accordance with what is on Pool Fittings Section 3137B.1 Outlets that states "Each pool shall be provided with a main drain submerged suction outlet **typically** located at the bottom of a pool." It is my opinion that the note that states "The main drain shall be located to provide complete drainage of the pool" should be removed in that it is in conflict with Pool Fittings Section 3137B.1 Outlets.
3. What I did on Figure 31B-1 and Table 31B-1 is went through and checked each and every dimension with the U.S. Diving 2010-2011 Handbook (Pages A:4-A:5). All of the dimensions on A:4 and A:5 are in meters; I converted all of the dimensions from meters to feet and inches, so that everything now on the Figure 31B-1 and Table 31B-1 that I am sending you is in feet and inches. The dimensions that were taken from U.S. Diving in each case were not the minimum dimension but the preferred dimension. In converting metric dimensions to feet and inches, I rounded all the dimensions up to the nearest inch in order to be the most conservative.
4. All of the dimensions in Table 31B-1 were correct with the exception of L1 for the 1-meter board and the 3-meter board. The dimension for L1 for a 1-meter board should be 16 feet, 5 inches (16'-5"), and the dimension for L1 for a 3-meter board should be 19 feet, 9 inches (19'-9"). The unobstructed headroom area for divers' dimensions changed slightly when they were converted from metric to feet and inches. Now, the figure and the table I am sending you match or slightly exceed requirements for U.S. Diving, which is the same as the International requirements by the Federation Internationale de Natation (FINA; the international body for all competition diving).
5. I reviewed the Figure 31B-2 and Table 31B-2 and have no input on this in that this is not a springboard whose height is sanctioned by FINA.
6. On Figure 31B-3, and Table 31B-3A and Table 31B-3B, my only comment is: on Table 31B-3A the W1 is 6 feet, which is halfway across the pool, which would make the pool width 12 feet. I (and I know that Los Angeles County Inspector Bernard Franklin) feel that this minimum should be, not 12 feet, but 15 feet in case someone inadvertently dives across the

LONGITUDINAL SECTION



Transverse Section Deep End



Transverse Section Shallow End

FIGURE 31B-1  
DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS  
GREATER THAN 30 INCHES (762 mm) ABOVE THE WATER LINE

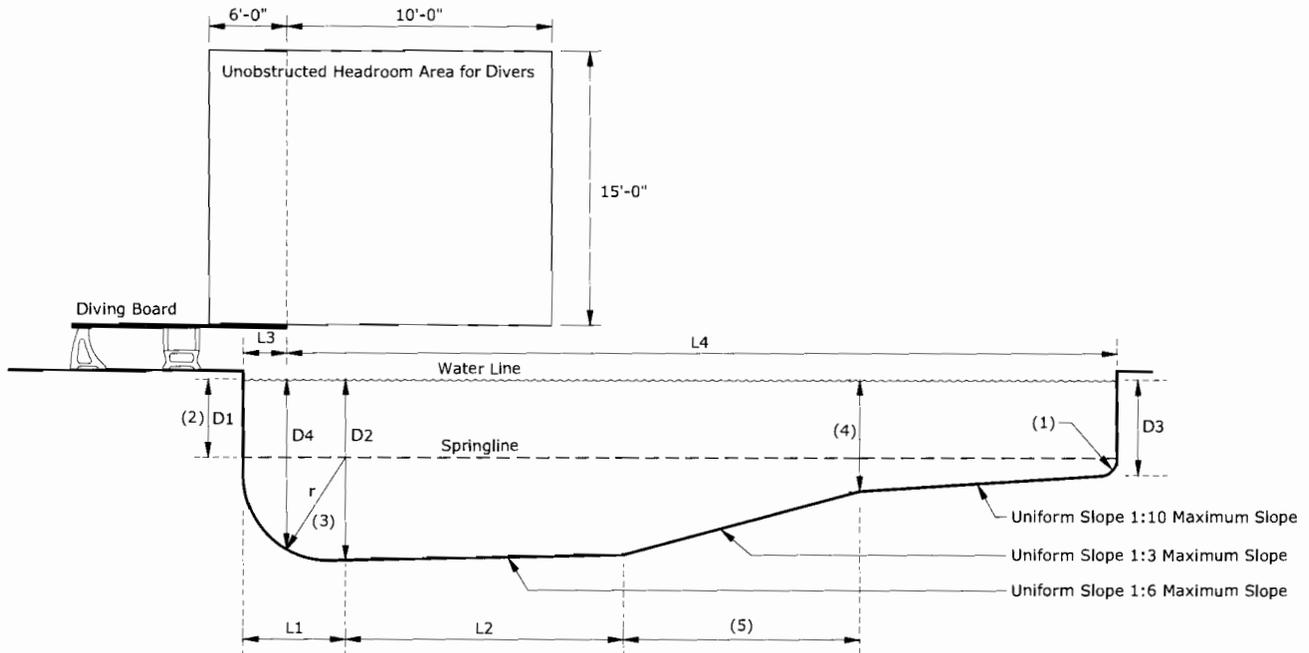
TABLE 31B-1

BOARDS AND PLATFORMS	DEPTH OF WATER					LENGTH OF SECTION				
	DIM	D1	D2	D3	D4	L1	L2	L3	W1	W2
1-Meter Board	Min.	5'-6"	11'-6"	11'-2"	0'-0"	16'-5"	29'-7"	5'-11"	7'-11"	8'-3"
3-Meter Board	Min.	6'-6"	12'-6"	12'-2"	0'-0"	19'-9"	33'-8"	5'-11"	8'-7"	11'-6"

Notes for Figure 31B-1 and Table 31B-1:

1. Maximum radius shall equal D2 minus D1 dimensions.
2. Radius at the shallow end shall not be more than 12 inches.
3. The length of a section is based on the maximum slope and other maximum and minimum dimensions.
4. Where there is a break in slope, the break shall be located at a water depth equal to 4'-6".
5. The springline depth at (4) shall not be more than 4'-0".
6. The maximum water depth at D4 shall be 3'-6".

LONGITUDINAL SECTION



TRANSVERSE SECTION AT D2

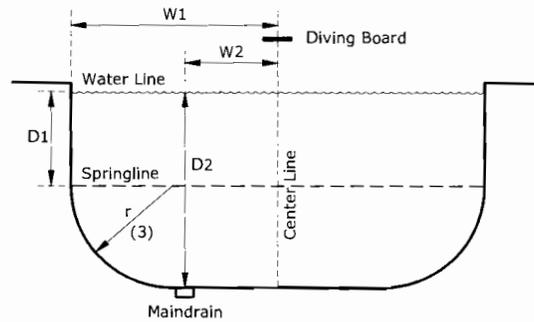


FIGURE 31B-2  
 DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS  
 30 INCHES (762 mm) OR LESS ABOVE THE WATER LINE

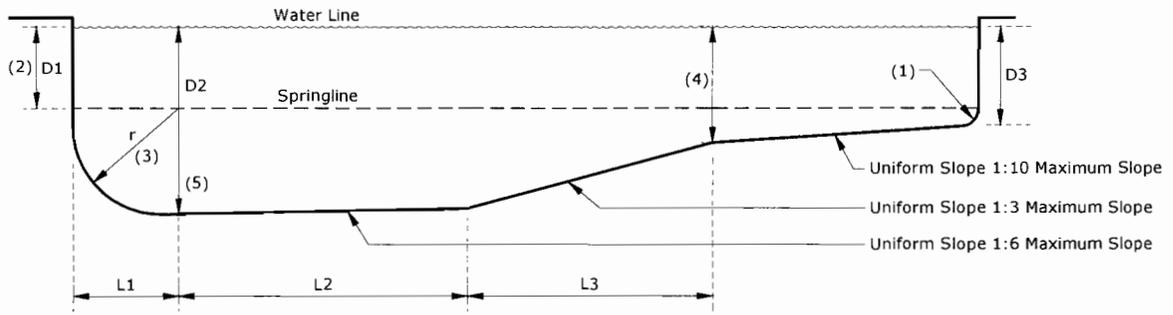
TABLE 31B-2

DIMENSION	DEPTH OF WATER				LENGTH OF SECTION					
	D1	D2	D3	D4	L1	L2	L3	L4	W1	W2
Minimum	2'-6"	8'-6"	0'-0"	7'-0"	6'-0"	6'-0"	2'-6"	30'-0"	9'-0"	3'-0"
Maximum	-	-	3'-6"	-	10'-0"	-	4'-0"	-	-	-

Notes for Figure 31B-2 and Table 31B-2:

1. Radius at the shallow end shall be a maximum of 1'-0".
2. Springline D1 shall extend to the break in slope between the shallow area and deep area.
3. Maximum radius shall equal D2 minus D1 dimensions.
4. Where there is a break in slope, the break shall be located at a water depth equal to 4'-6".
5. Length of a section is based on the maximum slope and other maximum and minimum dimensions.

LONGITUDINAL SECTION



TRANSVERSE SECTION AT D2

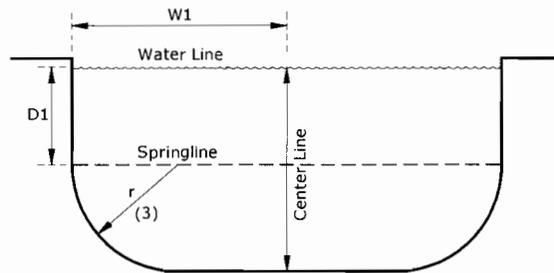


FIGURE 31B-3  
DEPTHS AND CLEARANCES FOR POOLS WITHOUT DIVING BOARDS

SEPTEMBER 1, 2012 SUPPLEMENT

2010 CALIFORNIA BUILDING CODE

TABLE 31B-3A  
POOLS WITH MAXIMUM WATER DEPTH = 6'-0"

Dimension	DEPTH OF WATER			LENGTH OF SECTION			
	D1	D2	D3	L1	L2	L3	W1
Minimum	2'-6"	-	0'-0"	3'-6"	3'-0"	3'-0"	7'-6"
Maximum	-	6'-0"	3'-6"	-	-	-	-

TABLE 31B-3B  
POOLS WITH MAXIMUM WATER DEPTH > 6'-0"

Dimension	DEPTH OF WATER			LENGTH OF SECTION		
	D1	D2	D3	L1	L2	W1
Minimum	2'-6"	-	0'-0"	3'-6"	3'-0"	7'-6"
Maximum	-	-	3'-6"	-	-	-

Notes for Figure 31B-3 and Tables 31B-3A and 31B-3B:

1. Radius at the shallow end shall be a maximum of 1'-0".
2. Springline D1 shall extend to the break in slope between the shallow area and deep area.
3. Maximum radius shall equal D2 minus D1 dimensions.
4. Where there is a break in slope, the break in slope shall be located at a water depth equal to 4'-6".

swimming pool. This would give them a greater distance to slow down before they strike their head. For diving safety, I highly recommend increasing this minimum to 15 feet.

These are all the comments that I have on the various figures and tables. If you have any questions, I would be more than happy to discuss this with you further.  
Bill

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