

15A NCAC 18A .2517 DIVING EQUIPMENT

(a) When diving equipment is installed in a public swimming pool, it shall be located in the diving area of the pool so as to provide the minimum dimensions as shown in Tables 1A and 1B of this Rule and shall conform to the following specifications:

- (1) Diving equipment shall be designed for swimming pool use and shall be installed in accordance with the manufacturer's recommendations.
- (2) Installation instructions and specifications shall be provided with each unit.
- (3) A label shall be permanently affixed to the diving equipment and shall include:
 - (A) manufacturer's name and address;
 - (B) board length;
 - (C) type of diving board;
 - (D) fulcrum setting specifications if applicable.
- (4) Diving equipment shall have slip-resistant tread surfaces.

(b) Supports, platforms, and steps for diving equipment shall be of sufficient strength to carry safely the maximum anticipated loads. Steps shall be of corrosion-resistant design. Handrails shall be provided at all steps and ladders leading to diving boards that are one meter or more above the water.

(c) There shall be a completely unobstructed clear vertical distance of 13 feet above any diving board measured from the center of the front end of the board. This area shall extend horizontally at least eight feet behind, eight feet to each side, and 16 feet ahead of Point A in Table 1A.

Table 1A

Maximum Board Length	Maximum Board Height Above Water	Board Overhang (Pt. A)		Minimum Water Depths		
		Max	Min	D1	D2	D3
12 feet	30 in	5 feet	4 feet	8'0"	9'0"	8'3"
16 feet	1 meter	6 feet	5 feet	8'6"	10'0"	8'6"
16 feet	3 meters	6 feet	5 feet	11'6"	12'0"	11'6"

KEY TO ABBREVIATIONS:

Pt A is the point on the water line of the pool directly beneath the end of the diving board.

D1 is the depth of the water measured from the water line to the floor at the beginning of the radius connecting the end wall with the floor at the deep end of the pool.

D2 is the depth of the water at the deepest point in the pool.

D3 is the depth of the water at the point where the deep area of the pool meets the transition to the shallow area of the pool.

Table 1B

Maximum Board Length	Horizontal Distances						Minimum Pool Width	Minimum Separation Distances	
	L1	L2	L3	L4	L5	L6		F	G
12 feet	3'	7'	10'3"	9'9"	30'	4'	20'	10'	10'
16 feet	5'	5'	11'6"	10'6"	32'	4'	24'	12'	10'
16 feet	5'	5'	7'6"	19'6"	37'	3'	28'	14'	12'

KEY TO ABBREVIATIONS:

L1 is the radius of the curve connecting the side wall to the floor at the deep end of the pool.

L2 is the distance between the center of the radius connecting the end wall to the floor at the deep end of the pool and the deepest point in the pool.

L3 is the distance between the deepest point in the pool and the beginning of the transition to the shallow area of the pool.

L4 is the length of the transition zone.

L5 is the total of $L1 + L2 + L3 + L4$.

L6 is the length of the shallow area of the pool.

F is the distance between the side wall of the pool and the centerline of the diving board.

G is the distance between the center lines of two adjacent diving boards.

(d) Public pools with diving facilities in excess of three meters in height, or pools designed for platform diving, shall meet the Federation Internationale De Nation Amateur (FINA) guidelines that are incorporated by reference in accordance with G.S. 130B-21.6 including any subsequent amendments or additions.

(e) Starting platforms used for racing starts during competition shall be secured from use when the pool is open for general use by removal; covering; or signage and active supervision. Minimum water depth for starting platforms shall be measured at a distance of 3 feet, 3 ½ inches (1.0 meter) to 16 feet, 5 inches (5.0 meters) from the end wall. Height of starting platforms shall not exceed the following:

- (1) In pools with water depth less than 3 feet, 6 inches (1.07 meters) at the starting end, raised starting platforms shall be prohibited.
- (2) In pools with water depth 3 feet, 6 inches (1.07 meters) to less than 4 feet (1.22 meters) at the starting end, starting platforms shall be no more than 18 inches (0.46 meter) above the water surface.
- (3) In pools with a water depth of 4 feet (1.22 meters) or greater at the starting end, starting platforms shall be no more than 30 inches (0.762 meter) above the surface of the water. Starting platforms shall be constructed to be easily removed from the deck when the swimming pool is used for other than competitive purposes.

History Note: Authority G.S. 130A-282;

Eff. May 1, 1991;

Amended Eff. February 1, 2004; April 1, 1999; January 1, 1996;

Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. July 20, 2019.