



Designation: F2699 – 08 (Reapproved 2013)

Standard Guide for Fences for Commercial and Public Outdoor Water Spray/ Play Areas¹

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1. Scope

1.1 This guide provides the recommended minimum requirements for various types of fences for commercial and public outdoor water spray/play areas.

1.2 This guide provides for the safety of occupants in water spray/play areas or zones as it pertains to vehicular intrusion as well as other participant intrusion, and for children containment or entry/exit.

1.3 This guide does not choose the product components for the fence system, the choice of which should be made by the operators of the water spray/play area space and their specification writers or drafters based upon their determination of the merits of the products that could be used.

1.4 The values stated in inch-pound units are to be regarded as the standard. The SI values stated in parentheses are provided for information purposes only.

1.5 *This guide does not purport to address the aspect of safety within a water spray/play area or zone. It is the responsibility of the user of this guide to establish appropriate safety practices as related to the water spray/play area and determine the applicability of regulatory requirements prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[A392](#) Specification for Zinc-Coated Steel Chain-Link Fence Fabric

[A491](#) Specification for Aluminum-Coated Steel Chain-Link Fence Fabric

[F537](#) Specification for Design, Fabrication, and Installation of Fences Constructed of Wood and Related Materials

[F552](#) Terminology Relating to Chain Link Fencing

[F668](#) Specification for Polyvinyl Chloride (PVC), Polyolefin and Other Polymer-Coated Steel Chain Link Fence Fabric

[F900](#) Specification for Industrial and Commercial Steel Swing Gates

[F964](#) Specification for Rigid Poly (Vinyl Chloride) (PVC) Exterior Profiles Used for Fencing and Railing

[F1043](#) Specification for Strength and Protective Coatings on Steel Industrial Fence Framework

[F1083](#) Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures

[F1345](#) Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Chain-Link Fence Fabric

[F2049](#) Safety Performance Specification for Fences/Barriers for Public, Commercial, and Multi-Family Residential Use Outdoor Play Areas

[F2408](#) Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets

[F2453/F2453M](#) Specification for Welded Wire Mesh Fence Fabric (Metallic-Coated or Polymer Coated) for Meshes of 6 in.² [3871 mm²] or Less, in Panels or Rolls, with Uniform Meshes

[F2589](#) Specification for Ornamental Fences Employing Steel Tubular Pickets

2.2 *NFPA Document:*³

National Electrical Code, NFPA 70-1996 or current edition.

2.3 *ANSI/IAF Documents related to water containments*⁴

3. Terminology

3.1 See Terminology [F552](#) for definitions of terms relating to chain-link fencing.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *fence, n*—a type of barrier, which surrounds and obstructs access to the water area.

3.2.2 *grade, n*—the finished elevation at any specified point of the ground or pavement outside the water area, examples, chain link, wood, PVC, ornamental, welded wire.

¹ This guide is under the jurisdiction of ASTM Committee F14 on Fences and is the direct responsibility of Subcommittee F14.10 on Specific Applications.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02169-7471, <http://www.nfpa.org>.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.