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# Standard Guide for Fences for Non-Residential Outdoor Swimming Pools, Hot Tubs, and Spas<sup>1</sup>

This standard is issued under the fixed designation F2409; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This guide provides recommended minimum requirements for various types of fences for non-residential outdoor swimming pools, hot tubs and spas.

1.2 The various types of fences may be chain link, wood, vinyl, ornamental steel or aluminum, welded wire, expanded metal, composite or others that would be incorporated into a design necessary to support the structure considering its height, application, location, and climatic condition. All types of fences shall be in accordance with ASTM standards.

1.3 *Units*—The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. The SI values stated in parentheses are provided for information purposes only.

## 2. Referenced Documents

2.1 *ASTM Standards*:<sup>2</sup>

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

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

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

[F567 Practice for Installation of Chain-Link Fence](#)

[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](#)

[F2630 Guide for Self-Closing/Self-Latching General-Purpose Gates](#)

## 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 pool, tub or spa.

3.2.2 *grade, n*—the finished elevation at any specified point of the ground or pavement outside the pool area.

3.2.3 *hot tub, n*—see definition of spa.

3.2.4 *outdoor, adj*—located outside of a completely enclosed building or other structure.

3.2.5 *non-residential, adj*—not situated on the premises of a detached one- or two-family dwelling nor a one-family town house less than four stories in height.

3.2.6 *spa (non-portable), n*—a permanent structure containing water over 24 in. (610 mm) deep, in which the water-heating and water-circulating equipment are not an integral part of the product, intended for recreational bathing.

3.2.7 *spa (portable), n*—a non-permanent structure containing water over 24 in. (610 mm) deep, in which all controls, water-heating, and water-circulating equipment are an integral part of the product, intended for recreational bathing.

3.2.8 *swimming pool, n*—an in-ground, on-ground or above-ground structure of a permanent, semi-permanent or portable fabrication containing any depth or shape of water body designed and constructed in accordance with local codes, used for bathing, swimming, racing or other aquatic activities.

3.2.9 *waters, n*—any designed natural or man-made area (that is, reservoir, empondment).

<sup>1</sup> 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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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.