



Standard Specifications for Selecting Chain Link Barrier Systems With Coated Chain Link Fence Fabric and Round Posts for Detention Applications¹

This standard is issued under the fixed designation F 1916; 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 (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification provides the recommended criteria for specifying the construction of barrier systems for restricting access or ensuring human confinement, with the capability of defeating or seriously resisting any breaching attempts.

1.2 No recommendation is made or implied as to the merits of the product of any particular manufacturer. Choice of product components selection for the barrier system should be made by the writers of the project based on their own perception of the merits of products for this application.

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

2. Referenced Documents

2.1 ASTM Standards:

- A 121 Specification for Zinc-Coated (Galvanized) Steel Barbed Wire²
- A 123 Specification for Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products²
- A 153/A 153M Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware²
- A 176 Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip³
- A 392 Specification for Zinc-Coated Steel Chain Link Fence Fabric²
- A 478 Specification for Chromium-Nickel Stainless and Heat-Resisting Steel Weaving and Knitting Wire³
- A 491 Specification for Aluminum-Coated Steel Chain-Link Fence Fabric²
- A 585 Specification for Aluminum-Coated Steel Barbed Wire²
- A 666 Specification Annealed or Cold-Worked for Austenitic Stainless Steel, Sheet, Strip, Plate, and Flat Bar³
- A 780 Practice for Repair of Damaged and Uncoated Areas

of Hot-Dip Galvanized Coatings²

- A 824 Specification for Metallic-Coated Steel Marcellled Tension Wire for Use With Chain Link Fence²
- B 117 Practice for Operating Salt Spray (Fog) Apparatus⁴
- C 94 Specification for Ready-Mixed Concrete⁵
- F 552 Terminology Relating to Chain-Link Fencing²
- F 567 Practice for Installation of Chain-Link Fence²
- F 626 Specification for Fence Fittings²
- F 668 Specification for Poly (Vinyl Chloride) (PVC)-Coated Steel Chain-Link Fence Fabric²
- F 900 Specification for Industrial and Commercial Swing Gates²
- F 934 Specification for Standard Colors for Polymer Coated Chain-Link Fence Materials²
- F 1043 Specification for Strength and Protective Coatings of Metal Industrial Chain-Link Fence Framework²
- F 1083 Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures²
- F 1184 Specification for Industrial and Commercial Horizontal Slide Gates²
- F 1345 Specification for Zinc-5 Aluminum-Mischmetal Alloy-Coated Steel Chain-Link Fence Fabric²
- F 1379 Terminology Relating to Barbed Tape²
- F 1910 Specification for Long Barbed Tape Obstacles²
- F 1911 Practice for Installation of Barbed Tape²
- F 1664 Specification for Poly (Vinyl Chloride) (PVC)-Coated Steel Tension Wire Used With Chain-Link Fence²
- F 1665 Specification for Poly (Vinyl Chloride) (PVC)-Coated Steel Barb Wire Used With Chain-Link Fence²

2.2 Other Standards:

- NFPA No. 70—National Fire Protection Association
- NEC National Electric Code
- NESC National Electric Safety Code
- ANSI No. C2 American National Standards Institute
- CEGS 02831 (Corp of Engineers Guide Standard) Army Corp of Engineers Fencing Specification
- AISI American Iron and Steel Institute
- Uniform Building Code (Chapter 23 Section 2303 (d) Stress

¹ These specifications are under the jurisdiction of ASTM Committee F-33 on Detention and Correctional Facilities and are the direct responsibility of Subcommittee F33.02 on Physical Barriers.

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² Annual Book of ASTM Standards, Vol 01.06.

³ Annual Book of ASTM Standards, Vol 01.03.

⁴ Annual Book of ASTM Standards, Vol 03.02.

⁵ Annual Book of ASTM Standards, Vol 04.02.