



3000 Series Security Screen Specification

SECTION 1: GENERAL

1.01 Description

The 3000 series aluminum security screen described in this specification provides a pleasing style and design while offering excellent physical deterrence against forcible entry through windows by potential vandals.

1.02 Submittals

- A. Manufacturers' submittals will include shop drawings, installation details and elevations showing the scope of the project.
- B. Samples of materials, frame sections, fasteners, corner sections, infill, color, etc. may be requested by client on a per job basis.

1.03 Warranty

Manufacturing materials and workmanship for the screens supplied by Harmony Products Inc. are warranted for one (1) year. Finish is warranted for one (1) year. Warranty does not cover abusive actions by others, deterioration of metals, metal finish fading and other materials beyond normal weathering.

SECTION 2: PRODUCTS

2.01 Acceptable Manufacturers

Harmony Products, Inc.
20 Church Road, PO Box 482, Emigsville, PA 17318
(717) 767-2779 • (717) 767-2918 fax
Website: www.harmonyspi.com

2.02 Main Frame

- A. Certification/Testing - Performance must comply with ANSI/SMA 6001-02 (heavy class) "American National Standard Specifications for Metal Protection Screens" for impact testing. Harmony will supply test reports stating that this guard meets such guidelines.
- B. The mainframe member shall be not less than 2 ¼" in width, extruded 6063-T5 aluminum alloy. Corners shall be mitered, corner key inserted and fastened with four screws. This will ensure meeting the performance requirements of section 2.02(A) and the structural integrity of the product.
- C. The main frame shall include a T-Groove for a combination cushioning strip and insect barrier.
- D. The brace bar is 1 1/2" x 1/2" x .062" galvanized steel tubing. A brace bar is required on guards over 48" tall.

2.04 Retaining Cover Plate

To retain the infill, a .050" thick aluminum cover plate snaps into the mainframe with a full-length intergraded aluminum snap. The infill is bent around a .078" thick leg, which pulls the wire tight giving it strength.

2.05 Locking Mechanism

- A. The lockbar is zinc-plated steel that operates multiple latches that lock into the screen track. The lock is operated by a single point release.

2.06 Finish

- A. The mainframe, infill, angles and brace bar material shall receive a five stage pretreatment to thoroughly clean and prepare the surface to receive a baked on powder coating. This process provides a hard, durable, uniform and environmentally safe finish.
- B. Optional coatings available upon request.

2.07 Infill

- A. Screen Cloth
 1. Stainless steel 12x12x.028 wire mesh
 2. Stainless steel 12x12x.023 wire mesh

SECTION 3: EXECUTION

3.01 Inspection

Verify that all openings are plumb, level and provide a solid anchoring surface in compliance with fit tolerances and approved shop drawings.

3.02 Installation

- A. Installation shall be in accordance with specifications and approved shop drawings.
- B. Erect screens aligned, square, plumb and adequately anchored.
- C. Screens shall be adjusted, clean and in working order after completion of installation.