

# Nebula Perforated Aluminum Fence

STELLAR \* CRAFT

This “no-maintenance” perforated aluminum fence works especially well where exterior screening solutions are desired (i.e. between properties, screen off a roadway, play area, parking lot, etc.). The punched pattern is customizable to fit the need for wind protection, privacy, and design.

## Part 1 - GENERAL

### 1.1 WORK INCLUDED:

- A. Provide aluminum railing in lengths per approved engineering drawings.
  - 1. Prefabricated perforated aluminum fence
  - 2. Mounting components and accessories
  - 3. Mechanical fasteners

### 1.2 SUBMITTALS:

- A. Material description and installation instructions.
- B. Shop Drawings
- C. Samples for Initial Selection

### 1.3 QUALITY ASSURANCE:

- A. Comply with Standards and Codes listed in Article 1.02 REFERENCES.
- B. Welding Qualifications: Qualify procedures and personnel according to the following:
  - 1. AWS D1.2/D1.2M, for aluminum.

### 1.4 WARRANTY:

- A. See manufacturer’s warranty for specific details.

### 1.5 DELIVERY, STORAGE, AND HANDLING.

- A. Deliver materials to the job site in good condition.

Purchaser to store in clean, dry location properly protected against damage to finished surfaces. Store away from uncured concrete, masonry, or stucco.

## Part 2 - PRODUCTS

### 2.1 MATERIALS:

- A. Extrusion Alloy: 6061-T6 Series
- B. Perforated Panel Alloy 5052
- C. Screws, bolts, washers, hardware shall be stainless Steel or other corrosion resistant material.

### 2.2 FINISHES:

- A. Fence Panels:
  - 1. Anodized Finish: Clear anodized.
- B. Fence Posts:
  - 1. High Performance Organic Finish: Two coat fluoropolymer finish

### 2.3 FRAME COMPONENTS:

*SPECIFIER: Perforations, including distance between perforations (NOT less than the thickness of the aluminum plate). NOT more than 10 different sizes and shapes of perforations are allowed. MAXIMUM size of any perforation cannot exceed 2 ½ inches.*

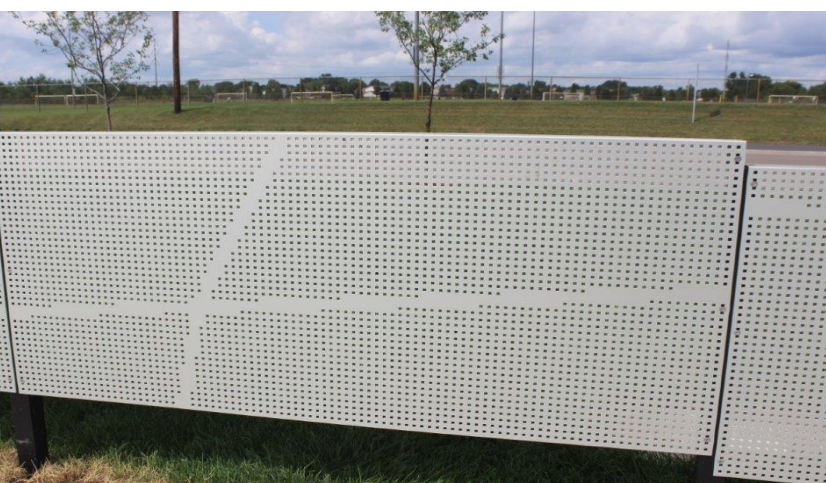
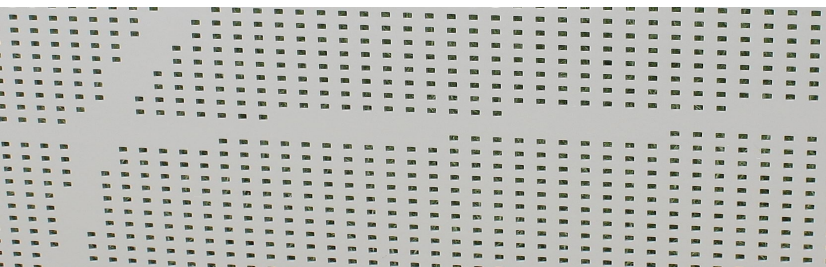


- A. Perforated Fence Panels: Aluminum plate - 5052, 0.188-inch thick.
- B. Aluminum Tube Supports: ASTM B221, 6061-T6 alloy, extruded tubing, and 0.120-inch wall thickness.
- C. Aluminum Tube Support Caps: ASTM B209, 5052 alloy; aluminum plate, 0.190-inch thick.
- D. Exposed Fasteners: Flush countersunk screws or bolts, consistent with design of fence.
- E. Welding Electrodes: Comply with AWS requirements in D1.1 and D1.2.
- F. Fasteners, Anchors and Inserts: 304 stainless steel

## Part 3 - EXECUTION

### 3.1 PROJECT CONDITIONS:

- A. Field Measurements: Verify actual locations of walls and other construction contiguous with metal fabrications by field measurements before fabrication.
  - 1. Indicate field measurements on final shop drawings.
  - 2. Where field measurements cannot be made without delaying the Work, guarantee dimensions and proceed with fabrication of products without field measurements.
  - 3. Coordinate construction with work of other trades to ensure that actual dimensions correspond to guaranteed dimensions.

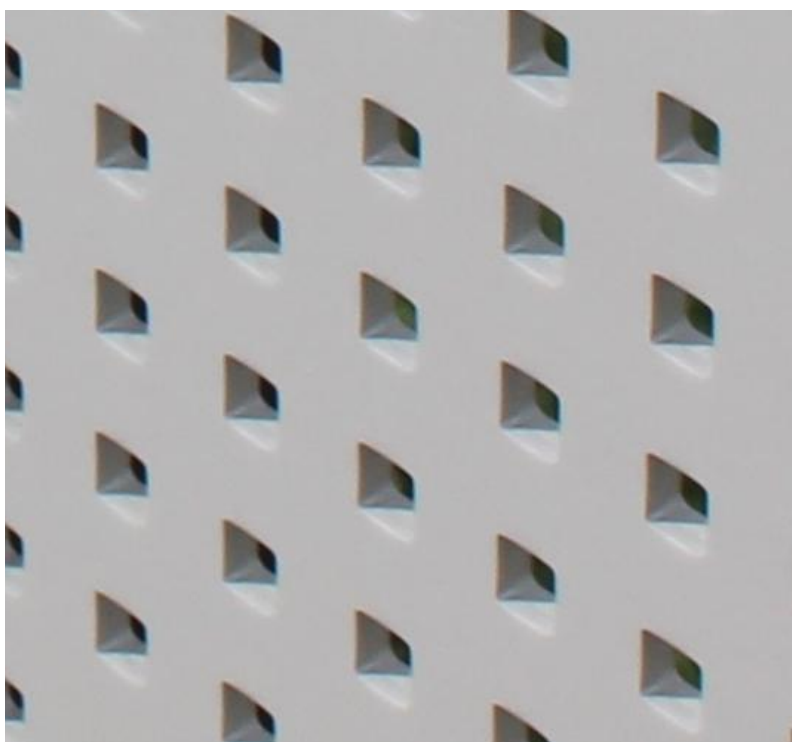
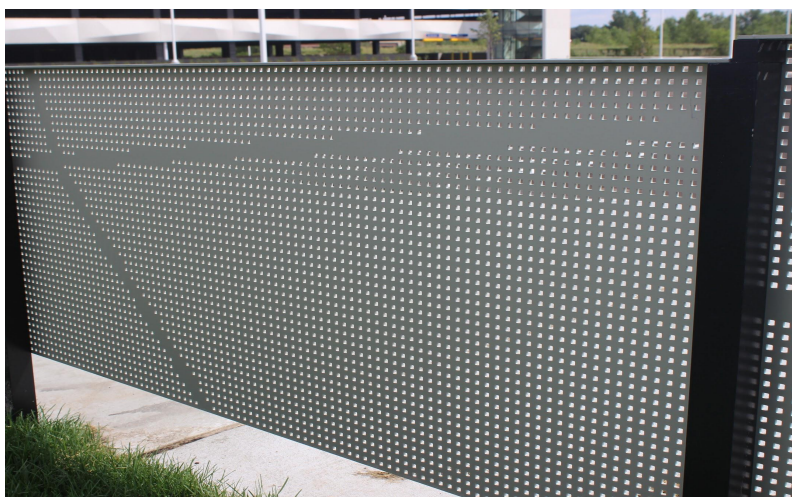


### STANDARDS AND CODES

- International Building Code, 2012 Edition
- Minnesota State Building Code, 2015 Edition
- The Society for Protective Coatings
- The Aluminum Association, Inc.
- American Architectural Manufacturers Association
- American Society for Testing & Materials
- American Welding Society
- Americans with Disabilities Act Accessibility Guidelines

### STRUCTURAL PERFORMANCE

Horizontal concentrated load of 50 lbs. applied to 1 sq. ft. at any point in system, including panels, intermediate rails, balusters, or other elements composing infill area.



StellarCraft™ Nebula Aluminum Fence is used in all railing applications that must comply with IBC for structural strength and dimensions.

