



ASTRO METAL CRAFT

STELLAR  CRAFT™

763-777-8087
stellarcraftmetals.com



PULSAR ALUMINUM PICKET FENCE



The Pulsar is an aluminum picket fence. It is perfect for sidewalks at educational facilities, businesses, sports venues, public swimming pools, and many more. The Pulsar has simple, clean pickets that are durable and extremely low-maintenance.

CONTACT US

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STANDARDS AND CODES

- International Building Code, 2012 ed.
- Minnesota State Building Code, 2015 ed.
- 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

Handrails and Top of Guards:

- Uniform load of 50 lbf/ft. applied in any direction.
- Concentration load of 200 lbf applied in any direction.
- Uniform and concentration loads need to not be assumed to act concurrently.

Infill of Guards:

- Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
- Infill load and other loads need not be assumed to act concurrently.



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PRODUCT DESCRIPTION

GENERAL

WORK INCLUDED:

Provide aluminum railing in lengths per approved engineering drawings.

- Prefabricated perforated aluminum railings
- Mounting components and accessories
- Mechanical fasteners

SUBMITTALS:

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

QUALITY ASSURANCE:

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

WARRANTY:

10 year high performance organic coatings warranty

DELIVERY, STORAGE, AND HANDLING.

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.

PRODUCTS

MATERIALS:

- Tube: ASTM B221, Alloy 6061-T6, Extruded tubing
- Bars, Sheet, and Plate: ASTM B209 or ASTM B211, Alloy 6061-T6
- Stainless Steel Fasteners: Type 304

FINISHES:

- Clear anodized finish
- High performing organic fluoropolymer finish

FABRICATION

- Top Rails: Extruded profile with integrated channel 2 x 1 x 1/8
- Bottom Rails: Channel 2 x 1 x 1/8
- Pickets: 1 x 1 Bar
- Posts: 2 x 2 x 3/16 Tube

EXECUTION

PROJECT CONDITIONS:

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

INSTALLATION

- Install work in accordance with manufacturer's instructions





DESIGN OPTION EXAMPLES

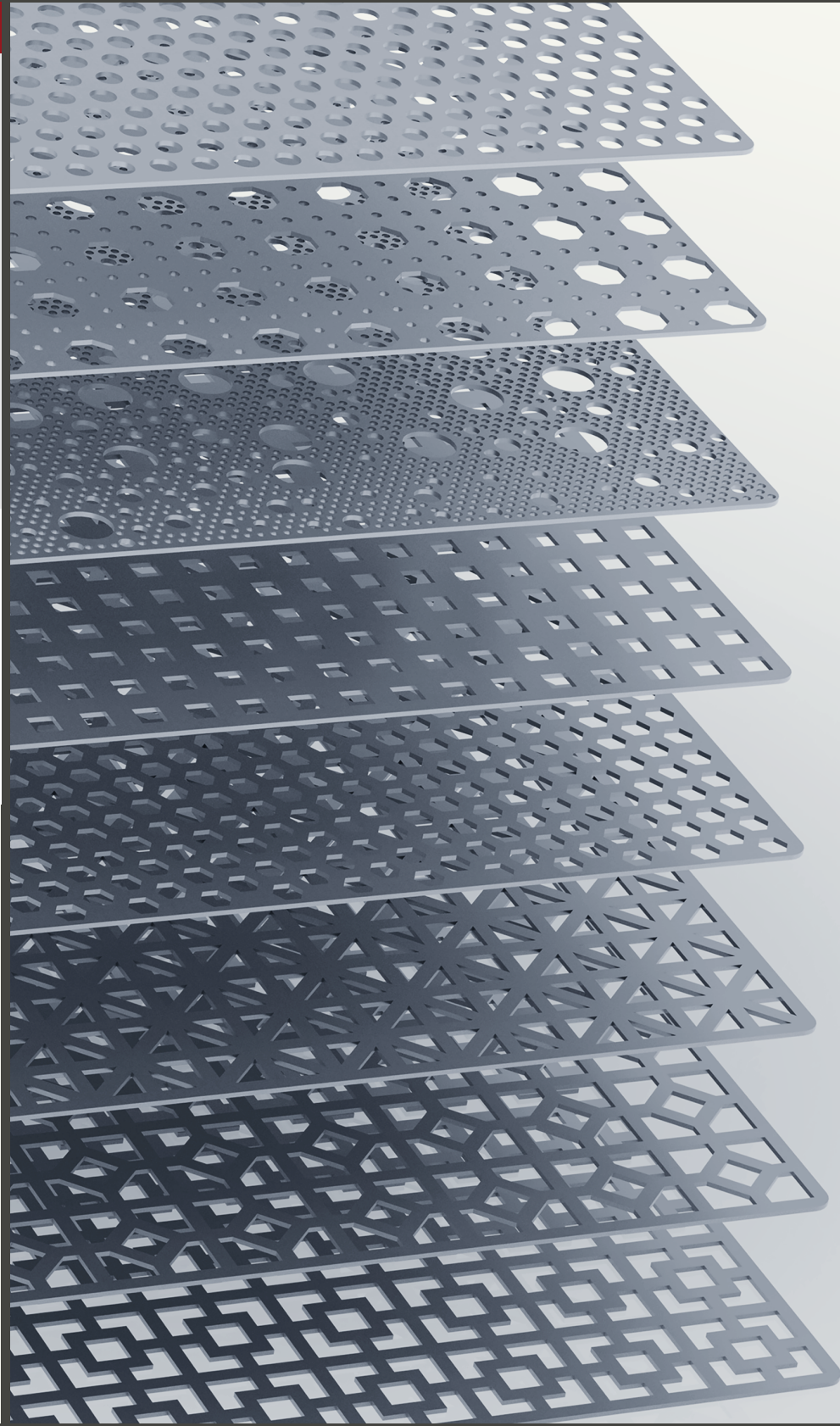
OPTIONS

MANUFACTURING REQUIREMENTS:

- Minimum Opening Size to be equal to or greater than material thickness.
- Material between openings must be equal to or greater than material thickness.
- Maximum Material Thickness not to exceed 0.314" (8mm).
- Maximum Material Width not to exceed 60"
- Maximum Material Length not to exceed 144"

PATTERN LIBRARY:

- Patterns are limitless with custom tooling.
- Standard tooling options can be supplied upon request.
- Virtually any shape or pattern is possible taking your design from concept to reality.



MORE CUSTOM DESIGNS AVAILABLE UPON REQUEST