

STELLAR * CRAFT™

Altair Perforated Aluminum Panels

These cost effective, vertical support panels are formed to create rigidity and strength to meet code for parking structures and building facades. Aluminum perforated metal patterns come in a variety of shapes and sizes for a truly unique facade.

Part 1 - GENERAL

1.1 SUMMARY:

- A. Prefabricated perforated aluminum screen
- B. Mounting components and accessories
- C. Mechanical Fasteners

1.2 ACTION SUBMITTALS:

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

1.3 QUALITY ASSURANCE:

- A. Comply with Standards and Codes listed in Article 1.02 REFERENCES

1.4 WARRANTY:

- A. Special Finish Warranty (Anodized Coating)
- B. Special Finish Warranty (High-Performance Organic Coatings)

1.5 DELIVERY, STORAGE, AND HANDLING:

- A. Deliver materials to the job site in good condition.
- B. Purchaser to store in clean, dry location, properly protected against damage to finished surfaces.

Part 2 - PRODUCTS

2.1 MATERIALS:

- A. Aluminum Plate
 - 1. ASTM B209, 5052-H32 alloy
- B. Aluminum Tube Supports
 - 1. ASTM B221, 6061-T6 alloy
- C. Aluminum Component Fasteners
 - 1. Stainless Steel

2.2 FINISHES:

- A. Anodized Finish: Clear anodized to comply with AA-M12C22A41 for a class 1 coating, complying with AAMA 611, or:
- B. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with AAMA 2605.

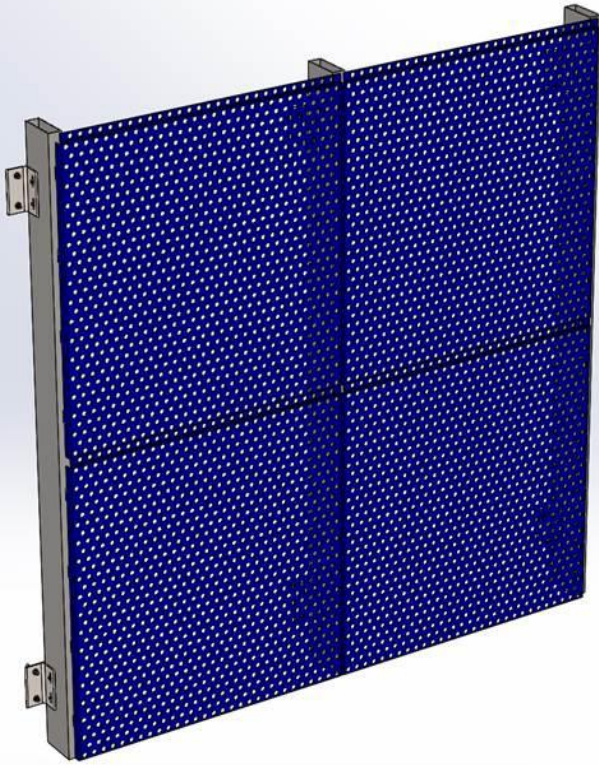
2.3 FABRICATION:

- A. Vertical Supports: Rectangular Tube: 6 x 2 x .125
- B. Clips: Angle 3 x 3 x .188
- C. Panel: Sheet .125"

Part 3 - EXECUTION

3.1 EXAMINATION:

- A. Examine substrates, areas, and conditions, with installer present where indicated.



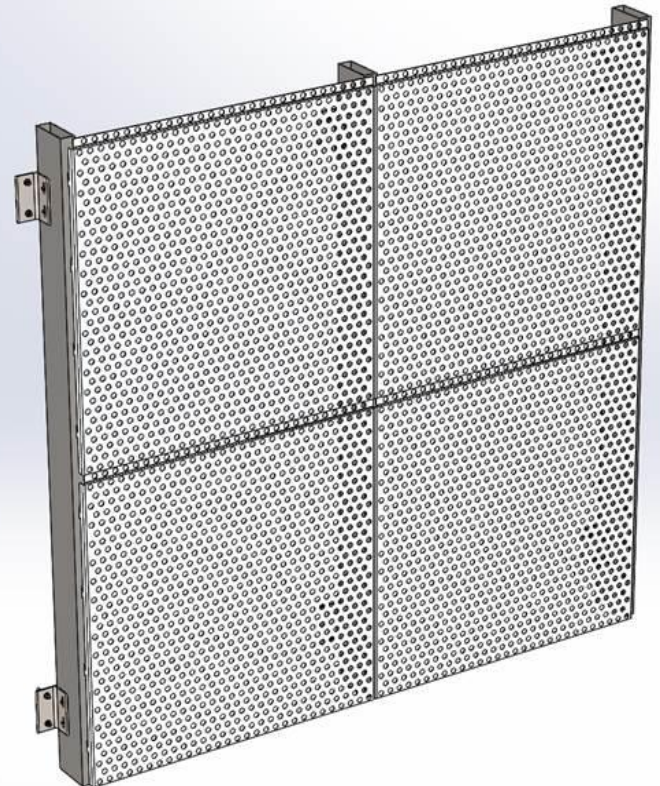
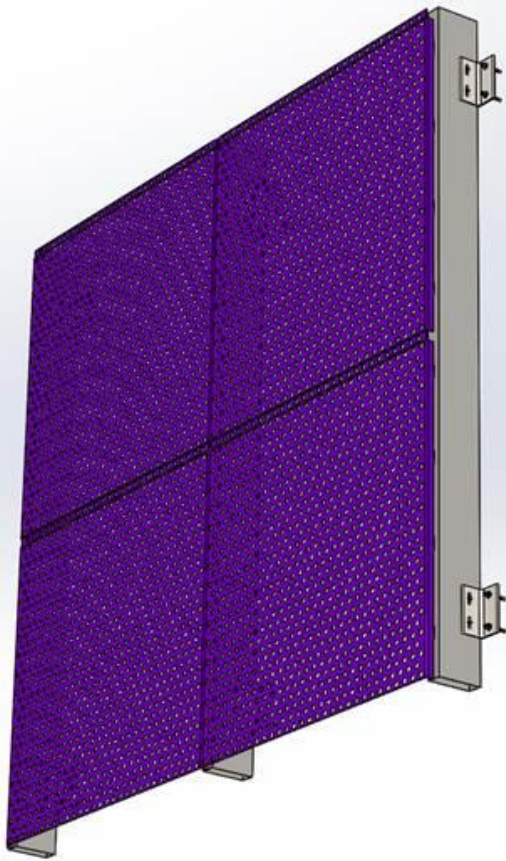
STANDARDS AND CODES

- 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

PERFORMANCE CRITERIA

Wind load per (IBC 2012, ASCE-7/10 40 PSF and 60 PSF). Deflection of aluminum panels to be L/60 max. Deflection of panel framing members to be L/175 max.

Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.



StellarCraft™ Altair Perforated Support & Fasten Panels System is used in all applications that must comply with IBC for structural strength and dimensions.