



SECTION 10 73 16

ALUMINUM CANOPIES

Marquee Canopies & Awnings by CityScapes

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**** NOTE TO SPECIFIER ** CityScapes Inc.; Aluminum Canopies**

This section is based on the products of CityScapes International Inc., which is located at:
4200 Lyman Ct.
Hilliard, OH 43026
Toll Free: 877-SCREENS
Phone: 614-850-2549
Email: Contact@cityscapesinc.com.
Web: <https://cityscapesinc.com/>

CityScapes® has been an industry leader in architectural innovations since 2004. We began with our flagship product, Envisor®, a patented HVAC Screening system that meets municipal code line-of-sight requirements with no roof membrane disruption. CityScapes® has expanded its scope to add new product lines that combine screening, security, and aesthetics. Our offerings include:

- Envisor® Unit Attached Rooftop Screens
- Envisor® Z-Fin and post-mounted screening,
- Covrit® Ground Screening and Roofed Enclosures
- ToughGate™ and MegaGate™
- Marquee Canopies and Awnings
- NatureScreen Trellises® and Planters
- Custom fabrication solutions

All CityScapes® products are Build America, Buy America Act (BABAA) certified and constructed at our 180,000 square foot manufacturing facility in central Ohio. Design, engineering, manufacturing, and installation - our team handles it all.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum canopies attached to the building.

1.2 REFERENCE STANDARDS

- A. ASTM International: (ASTM): ASTM B 221 - Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire Profiles, and Tubes.

- B. American Society of Civil Engineers (ASCE): ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

1.3 SUBMITTALS

- A. Submit under provisions of Division 01.
- B. Product Data:
 - 1. Manufacturer's data sheets on each product to be used.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Typical installation methods.
 - 5. Sufficient data and detail to indicate compliance with these specifications.
- C. Shop Drawings: Prior to commencement of fabrication, submit detailed shop drawings, showing profiles, sections of components, finishes, and fastening details. Include plan elevation pages to clearly outline canopy locations.
- D. Color Charts: Showing manufacturer's full range of colors from standard line.
- E. Certification: Manufacturer's Certificate of Compliance certifying that panels supplied meet or exceed requirements specified.
- F. Closeout Submittals: Warranty documents, issued and executed by manufacturer, countersigned by Contractor.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum two years documented experience.
- B. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
- C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly indicating manufacturer and material.
 - 1. Deliver materials to project site ready for erection.
- B. Storage and Handling: Protect materials and finishes during handling and installation to prevent damage.
- C. Protection: Protect from damage due to weather, excessive temperature, and construction operations.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
- B. Field Measurements: Take measurements of supporting structure. Indicate measurements on shop drawings fully documenting any field condition that may interfere with the system installation.

1.7 COORDINATION

- A. Installer for work under this Section shall be responsible for coordination of panel and framing sizes and required options with the Drawings and Contractor's requirements.
- B. Confirm size, type, and location of supporting construction as adequate to resist loads imposed by canopy.

1.8 WARRANTY

- A. Warranty: Provide manufacturer's standard limited three (3) year warranty, starting from the date of substantial completion of the project.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design: Marquis Canopies by CityScapes International Inc; 4200 Lyman Ct., Hilliard, OH 43026; Toll Free: 877-SCREENS; Phone: 614-850-2549; Email: contact@cityscapesinc.com; www.cityscapesinc.com.

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Division 01.

2.2 PERFORMANCE AND DESIGN REQUIREMENTS

- A. Regulatory Requirements: Comply with requirements of building authorities having jurisdiction in Project location.
- B. Design Criteria: Manufacturer is responsible for the structural design of all materials, assembly, and attachments to resist snow, wind, suction, and uplift loading at any point without damage or permanent set.
 - 1. Framing: Designed in accordance with the Aluminum Design Manual to resist the following loading:
 - a. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; American Society of Civil Engineers.
- C. Configuration: Layout and dimensions, Fascia profile, and roof covering design as indicated on drawings.
 - 1. Installation: Face mounted to building structure with or without hanger rods as specified in drawings.
 - 2. Drainage Concept: Water collected in decking conducted into perimeter fascia gutter and discharged through scupper as specified in drawings.

2.3 MATERIALS

- A. Framing: Aluminum extrusions, sheet, or tube.
- B. Hanger Rods: Zinc plated steel and powder coat. Prime and paint are not acceptable.
- C. Connections: Aluminum wall plates and canopy mounting brackets.
- D. Hardware and Fasteners: Nuts, bolts, washers, clevis pins, screws, anchors, and pipe spacers to be zinc plated or galvanized steel required to suit application.

- E. Flashing and Z-Closure: Match skin material, fabricated to prevent leakage, and sealed with metal roof sealant in clear or color match.
- F. Finish: Powder coat finish complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, baking, and minimum dry film thickness. Color to be selected from manufacturer's standard color line.
- G. Covering:
 - 1. Interlocking extruded aluminum decking modules.
 - 2. Fascia: Manufacturer's standard flat face profile.
 - 3. Size: 8, 10 or 12 inches height as indicated on the Drawings.
- H. Exposed Scupper: Color to match canopy covering, manufacturer's recommended size for canopy specified.
- I. Integrated Light Fixtures: Provide prepared openings and required access for field installed lighting and electrical components as per fixture manufacturer standard drawings and locations as specified in drawings,

2.4 SHOP FABRICATION

- A. Provide a complete system ready for erection at project site. Field verify dimensions of supporting structure at site of installation prior to fabrication.
- B. Shop fabricate to the greatest extent possible; disassemble as necessary for shipping. Clearly mark units for reassembly and coordinated installation.
- C. Fabricate connections for bolt, nut, and washer connectors.

2.5 FINISHES

- A. Aluminum Framing and Decking: Manufacturer's standard powder coating system, factory applied.

2.6 ACCESSORIES

- A. Trim, Closure Pieces, and Flashings: Same material, thickness, and finish as sheet metal decking; factory-fabricated to required profiles.
- B. Fasteners: Stainless steel or zinc coated for corrosion resistance.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Installer's Examination: Examine conditions under which construction activities of this section are to be performed.
 - 1. Submit written notification to Architect and manufacturer if such conditions are unacceptable.
 - 2. Beginning erection constitutes installer's acceptance of conditions.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install canopies per manufacturer's written instructions and as indicated on approved shop drawings.
- B. Locate and place canopies level, plumb and at indicated alignment with adjacent work.
- C. Anchor system to building components; provide adequate clearance for movement caused by thermal expansion and contraction and wind loads.
- D. Do not field cut or alter structural members without approval.
- E. Touch-up damaged finish coating using material provided by manufacturer to match original coating.
- F. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a coating of bituminous paint or elastomeric coating on surfaces that will be in contact with concrete, masonry, or dissimilar metals.

3.4 ERECTION TOLERANCES

- A. Tolerances: Maximum misalignment from true position 1/4 inch (6 mm).

3.5 CLEANING AND PROTECTION

- A. Remove protective masking from material immediately after installation.
- B. Protection:
 - 1. Ensure that finishes and structure of installed systems are not damaged by subsequent construction activities.
 - 2. If minor damage to finishes occurs, repair damage in accordance with manufacturer's recommendations; provide replacement components if repaired finishes are unacceptable to Architect.
- C. Prior to Substantial Completion: Remove dust or other foreign matter from component surfaces; clean finishes in accordance with manufacturer's instructions.
 - 1. Clean units in accordance with the manufacturer's instructions.

END OF SECTION