

SECTION 10 73 13

AWNINGS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Fixed metal awnings.

1.2 DEFINITIONS

A. **Awning:** An architectural projection that provides weather protection, identity, or decoration and is wholly supported by the building to which it is attached. An awning is comprised of a lightweight, rigid skeleton structure over which a rigid covering is attached.

1.3 PERFORMANCE REQUIREMENTS

A. **General:** Design, fabricate, and install awnings to withstand loads from gravity, wind and snow; and to resist, without failure, other conditions of in-service use, including exposure to weather.

1.4 SUBMITTALS

A. **Product Data:** Include styles, material descriptions, construction details, fabrication details, dimensions of individual components and profiles, hardware, fittings, mounting accessories, features, finishes, and operating instructions for awnings.

B. **Shop Drawings:** Show location and extent of awnings. Include elevations, sections, and details not shown in Product Data. Show materials, fabrication, dimensions, mounting heights, connections, anchorages, installation details, attachments to other work, operational clearances, and relationship to adjoining work.

1. Show locations for blocking, reinforcement, and supplementary structural support to be provided by others.

C. **Samples for Verification:** Provide sample of metal panel and full range of available colors.

1.5 QUALITY ASSURANCE

A. **Installer Qualifications:** Minimum (5) years experience in similar work.

B. **Fabricator Qualifications:** Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.

C. Source Limitations: Obtain awnings through one source from a single manufacturer.

1.6 PROJECT CONDITIONS

A. Field Measurements: Where awning installation is indicated to fit to other work, verify dimensions of other work by field measurements before fabrication and indicate measurements on Shop Drawings. Notify Architect of discrepancies. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.7 WARRANTY

A. Warranty: Manufacturer's standard form in which manufacturer and fabricator agree to repair or replace components of awnings that fail in materials or workmanship within specified warranty period.

1. Exposed Roof Panel Finish Warranty Period: Twenty (20) years.
2. Awning Frame Warranty Period: Five (5) years.
3. Awning Installation Warranty Period: One (1) year.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: QUEEN CITY AWNING
7225 East Kemper Road, Cincinnati, Ohio 45249, Tel. 800-611-2800, 513-530-9660
Fax 513-530-0662, info@QueenCityAwning.com, www.QueenCityAwning.com
- B. Basis of Design: Armor-Clad Metal Awning System by Queen City Awning

2.2 STANDING-SEAM METAL ROOF PANELS

A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, and accessories required for installation.

1. Material: Zinc-coated (galvanized) steel sheet, 24 gauge, 0.024-inch nominal thickness.

a. Exterior Finish: 2-coat fluoropolymer.

b. Color: As selected by Architect from manufacturer's full range.

2. Panel Height: 1.0 inch. Panel Width: 12 inches.

2.3 AWNING FRAMES

A. Steel Frames:

1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
2. Cold-Formed Steel Tubing: ASTM A 500, grade as required by structural loads.
3. Steel Finish: Manufacturer's standard decorative finish complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, and minimum dry film thickness.

- B. Aluminum Frames: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated and with not less than the strength and durability properties of alloy and temper required by structural loads.
- C. Anchors, Fasteners, Fittings, Hardware, and Installation Accessories: Complying with performance requirements indicated and suitable for exposure conditions, supporting structure, anchoring substrates, and installation methods indicated. Provide as required for awning assembly, mounting, and secure attachment.

2.6 AWNING FABRICATION

- A. Fabricate and finish metal roof panels and accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes and as necessary to fulfill indicated performance requirements. Comply with indicated profiles and with dimensional and structural requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Frames: Preassemble awning frames in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.

2.7 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for supporting members, blocking, inserts, installation tolerances, lighting, and other conditions affecting performance.
 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. General: Install awnings at locations and in position indicated, securely connected to supports, free of rack, and in proper relation to adjacent construction. Use mounting

methods of types described and in compliance with Shop Drawings and fabricator's written instructions.

- B. Install awnings after other finishing operations, including joint sealing and painting, have been completed.
- C. Attach metal roof panels to frames as recommended by fabricator.
- D. Anchoring to In-Place Construction: Use anchors, fasteners, fittings, hardware, and installation accessories where necessary for securing awnings to structural support and for properly transferring load to in-place construction.

3.3 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal roof panels are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Clean awning surfaces after installation, according to manufacturer's written instructions.
- D. Touchup Painting: Immediately after erection, clean field welds, connections, and abraded areas. Paint uncoated and abraded areas with same or compatible material as used for shop-applied finish painting.
- E. Galvanized Surfaces: Clean field welds, connections, and abraded areas and repair galvanizing.
- F. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer that ensure that awnings are without damage or deterioration at time of Substantial Completion.

END OF SECTION 10 73 13