

SPECIFICATIONS
EXTERIOR SUN CONTROL DEVICES
SECTION 10-71-13

*The following is the standard specification of our products.
Please review and edit the specific areas noted in BLUE according to your project requirements.
For more specific information, please contact AVAdek directly.*

Part 1 – General

1.01 WORK INCLUDED:

Provision, fabrication and installation of **Extruded Aluminum Sun Control Devices**, as shown on drawings and specified herein, and as needed for a complete and proper installation.

1.02 RELATED WORK:

1. Section 01-03-00 Alternates
2. Section 07-60-00 Flashing
3. Section 07-90-00 Sealants
4. Section 03-30-00 Concrete
5. Section 05-12-00 Structural Steel

1.03 REFERENCE STANDARDS: (Specifications for)

1. The Aluminum Association – Aluminum Design Manual 2010
2. American Welding Society- AWS D1.2/D1.2M: 2008
3. ASTM B 209 Aluminum & Aluminum Alloy Sheet and Plate
4. ASTM B 221 Aluminum & Aluminum Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes

1.04 SAMPLES:

1. Submit samples in accordance with Section 01-30-00
2. Product data: manufacturer’s brochures, manuals and literature.
3. Shop Drawings:
 - a. Includes the complete layout, sections, details, components, finishes, sizing, spacing, and fasteners specific to the project. The site-specific shop drawings shall show reactions at surface attachment points and bear the seal of a Registered Structural Engineer.
 - b. General Contractor shall submit shop drawings for approval by the Architect prior to fabrication of any materials.
 - c. General Contractor to verify all dimensions and elevations prior to submittal to Architect.
 - d. Manufacturer shall field verify dimensions prior to fabrication.
4. Finishes: samples of canopy finishes.

1.05 QUALITY ASSURANCE:

1. Canopy shall be designed to comply with state and local building codes.
2. Canopy manufacturer shall have a minimum of 10 years’ experience in designing and installing the specified system.
3. The installation of the canopy shall be performed by the manufacturer to assure single source responsibility.

1.06 MATERIALS:

1. Delivery, Storage, and Handling: protect components from one another during shipping, storage and handling. Exercise care when unloading, storing, and erecting to prevent damage.

1.07 WARRANTY:

1. Provide manufacturer’s 1-year warranty against defects in material and workmanship.

Part 2 – Products

2.01 MANUFACTURER QUALIFICATIONS:

1. Acceptable manufacturer for Extruded Aluminum Walkway Covers & Canopies: Subject to strict compliance with the specified requirements and the plans, the following manufacturer is acceptable:

AVAddek Walkway Cover Systems & Canopies

12130 Galveston Road, Building 1
Webster, Texas 77598-1539
(713) 944-0988 or (800) 777-4031

2.02 MATERIALS:

1. Components: all components shall be 6063, 6061, or 6005 alloy extruded aluminum.
2. Design Criteria: all components shall be sized to comply with live load and wind load requirements of the project and shall not be less than the dimensions shown on the plan.

2.02 COMPONENTS:

1. Configuration: as shown on the drawings
2. Sizes: minimum sizing as shown on the drawings
3. Columns: all columns shall have radius corners
4. Shading components: thickness shall be at least .080" thick
5. Flashing: flashing thickness shall be at least .040" thick

2.03 FASTENERS, CONNECTIONS, AND FITTINGS:

1. Bolted Connections: All bolts, nuts, washers, and screws used in joining the members shall be stainless steel up to 3/8" diameter. Over 3/8" diameter may be Hot Dipped Galvanized.
2. General Contractor shall provide structural attachment points flush with the outside surface of the building.
3. Rafters shall be heliarc welded to wall mounting plates which are bolted to walls.
4. Beams are fastened to Rafters with Concealed Clips.
5. Blades are mechanically fastened to structure with Stainless Steel Screws, concealed where able.

2.04 FINISH:

Architect to delete or adjust these options, as required.

Please note:

- *Anodized finish is typically the most economical.*
- *Kynar finish has the best performance.*
- *Woodgrain is a specialty finish that should only be used if you want the aluminum to look like wood.*

1. Satin etched Clear Anodized – Aluminum Association Specification AA-M10-C22-A31
2. Satin etched Bronze Anodized – Aluminum Association Specifications AA-M10-C22-A44
3. AAMA 603.8 Baked Polyester Enamel Painted / Color: Per Color Schedule
4. AAMA 607.5 Kynar 500 Fluoropolymer Based Painted 2 Coat / Color: Per Color Schedule
5. Woodgrain: AAMA 2604 – Super Polyester Powder Coated: Per Color Schedule

Part 3 – Execution

3.01 INSTALLATION:

1. The components and accessories are to be supplied and installed by the manufacturer.
2. Install canopy in strict accordance to manufacturer's recommendations.
3. Erect canopy after concrete and masonry work in the vicinity is completed and washed down.

3.02 WORKMANSHIP:

1. Take extreme care to prevent damage or scratching. Replace damaged components prior to installation. All workmanship must be top quality with meat miters and fitted joints.

3.03 CLEANING:

1. Just prior to completion of project, strip protective coatings of covering from aluminum and clean all parts. Repair to new condition to replace any materials damaged during installation.

END OF SECTION 10-71-13