Extruded Aluminum Canopy Systems

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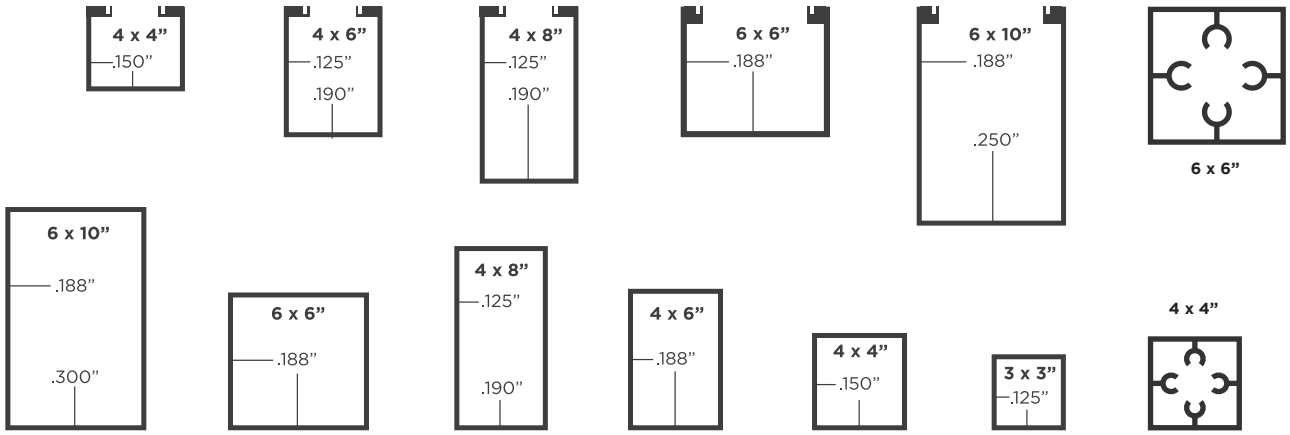
east texas canopy, inc.

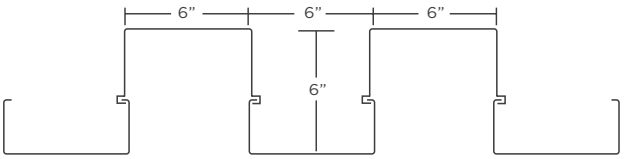
Since 1985

East Texas Canopy has been manufacturing and installing protective covers and canopies since 1985. From large scale commercial projects to small entry canopies we strive to provide the highest quality canopies no matter the application. We are a full service manufacturer that offers engineering and design consulting as well as a single source supplier. Using only the highest quality materials, East Texas Canopy provides protective covers for all your canopy needs including walkway covers, drop off canopies, entry canopies and carport structures.

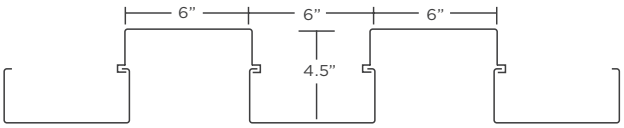
STRUCTURAL SHAPES



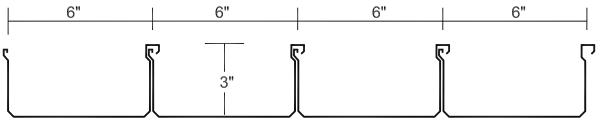
DECK OPTIONS



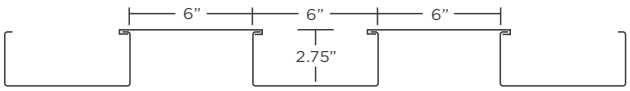
6” Deck



41/2” Deck

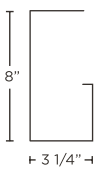


6” Flat Deck



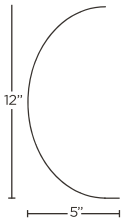
23/4” Deck

TRIM OPTIONS

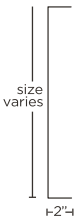


Box Gutter

6” Standard



Bullnose



Custom

PART 1: GENERAL

1.1 RELATED DOCUMENTS
The bidding requirements, general conditions, supplementary conditions, drawings and requirements of Division One specification shall apply to work specified in this section.

1.2 DESCRIPTION OF WORK
A. The extent of aluminum walkway cover is shown on the drawings and as specified Herein.

B. Definition: Extruded Aluminum Walkway Cover shall consist entirely of extruded aluminum sections (roll-formed not acceptable). System shall consist of heli-arc welded, one-piece rigid structural bents (mechanically fastened bents allowed when necessary for shipping), decking fascia, accessory items and hardware to provide a complete system.

1.3 SUBMITTALS
A. Shop Drawings: Submit detailed drawings, layout of walkway cover system, bent locations (identify drain columns and wet bents), all mechanical joint locations with complete details, connections, jointing and accessories. Include details of concrete footings and bent anchorage.

B. Product Data: Submit manufacturer's product data, specifications, component performance data and installation instructions.

C. Engineering: Provide signed/sealed drawings bearing the seal of a professional engineer registered in the state of Texas, who professes his discipline to be structural engineering.

1.2 QUALITY ASSURANCE
A. Manufacturer: Obtain aluminum covered walkway system from only one (1) manufacturer, although several may be indicated as offering products complying with requirements.

B. Installer Qualification: Firm with not less than three (3) years' experience in installation of aluminum walkway covers of type, quantity and installation methods similar to work of this section.

C. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to insure proper fitting of work.

D. Coordination: Coordinate work of this section with work of other sections which interface with covered walkway system (sidewalks, curbs, building fascias, etc.).

PART 2: PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS
A. EAST TEXAS CANOPY, Inc. 11221 CR 2130, Whitehouse, Texas 75791. (800)-816-3822, www.easttexascanopy.com.

B. Equivalent systems by other manufacturers will be approved by addendum provided the following are submitted ten (10) days prior to bid opening and are complete:

1. Submit evidence of having operated a successful business of manufacturing and installing complete extruded aluminum walkway cover systems.

2. Business must have been in operation under submitted name and ownership for a minimum of ten (10) years.

3. Comply with the requirements pertaining to substitution as set forth in Division One, Instruction to Bidders.

2.2 MATERIALS
A. All aluminum extrusions shall be alloy 6063 heat treated to a T-6 temper.

B. Standard finish for all components shall be satin anodize 201-R1 meeting Aluminum Association Specification AA-M-10C-22A-21.

C. All painted materials shall be Kynar 500/Hylar 5000.

D. Warranty:

1. Manufacturer shall warrant the entire system against defects in labor and materials for a period of one (1) year commencing on the date of substantial completion as established in Division One of these specifications.

2. Intention of this warranty is the manufacturer will come onto the jobsite and do all necessary to effect corrections of any deficiencies.

2.3 FABRICATION
A. Comply with indicated profiles, dimensioned requirements, and structural requirements.

B. Use sections true to details with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture, free from defects impairing strength and durability.

C. Bents shall consist of shop-welded, one-piece units. When size of bents does not permit shipment as a welded unit, concealed mechanical joints may be used.

D. Mechanical joints shall consist of stainless steel bolts with a minimum of two (2) bolts per fastening. All such mechanical joints must be detailed on shop drawings showing all locations.

E. Roof Deck: Extruded Aluminum shapes, interlocking self-flashing sections. Shop fabricate to lengths and panel-widths required for field assembly. Depth of sections to comply with structural requirements.

F. Apply a shop applied dip-coat of clear, acrylic enamel to each column end terminating in concrete to insulate from electrolytic reaction. Column ends shall be pierced to "key" grout to bent for maximum uplift protection.

PART 3: EXECUTION

3.1 DELIVERY, STORAGE AND HANDLING:
A. Deliver, store, and handle covered walkway system components as recommended by manufacturer. Handle and store in a manner to avoid deforming members and to avoid excessive stresses.

B. Sleeves (Styrofoam blockouts) shall be furnished by walkway cover manufacturer and placed by general contractor.

3.2 FIELD DIMENSIONS
A. General contractor shall field confirm bent locations, dimensions and elevations shown on shop drawings prior to fabrication.

3.3 INSTALLATION
A. **Erection:** Set roof support frames (bents) into pockets provided in top of footings; set to required elevations, align, plumb and level. Assure that grout fills all voids and "keys" to columns. Fill downspout units with grout to bottom of Discharge level. Follow manufacturer's instructions. Match to finish and elevation of adjacent sidewalks.

B. Install roof deck sections, accessories, and related flashing in accordance with manufacturer's instructions. Provide roof slope for rain drainage without ponding water. Align and anchor roof deck units to structural support frames.

C. Assemble all components in a neat, workmanlike manner.

3.4 CLEANING AND PROTECTION
A. **Damaged Units:** Replace roof deck panels and other components of the work which have been damaged or have deteriorated beyond successful minor repair.

B. **Cleaning:** Remove protective coverings at time in project construction sequence which will afford greatest protection of work. Clean finished surfaces as recom mended by manufacturer. Maintain in a clean condition during construction.

C. **Protection:** Advise Contractor of protection and surveillance procedures, as required to ensure that work of this section will be without damage or deterioration at time of substantial completion.

etc
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