East Coast TVM

Aluminum Canopy Systems

Manufactures & Installers of:

- Aluminum Walkways
- Canopy Systems
- Fabric Awnings
- Bahama Shutters
- Ornamental Brackets
- Sun Shades

Aluminum Walkway & Canopy Systems

CUSTOM BUILT TO YOUR DESIGN SPECIFICATIONS & PROJECT REQUIRMENTS

Tennessee Valley Metals is one of the leading manufacturers of aluminum extruded and roll-form canopy systems in the southeast. With over 44 year's experience, we assist in all elements related to design and engineering of a canopy system that will fit both your needs and most budgets. Our canopy systems are fabricated using the highest quality components to ensure long life and durability and are designed to follow local building codes and specific architectural requirements.

Fabric Awnings

Colorful Touches

If you want to spruce up your storefront or if you are looking for an elegant way to add color and stylish looks to your business front entry we have the perfect fabric awning designs for you. Utilizing Sunbrella Fabrics with Kevlar stitching we can achieve the look you want with durability that you require.

We also have a full range of vinyl covers if fabric is not quite what you had in mind. We have a wide variety of colors and configurations to accent your school, home, or business.

Custom Fabrications

Artistic, Colorful & Durable

With our in house welding shop and our unique fabricating abilities we offer a wide range of custom offerings for our clients. We have special shape decorative brackets, Bahama shutters, sun shades for building accents and decorative aluminum trellis structures which can serve as excellent study, sitting or break areas.

"We strive to bring your ideas and sketches to life"

CUSTOM SOLUTIONS

East Coast TVM has the ability to fabricate custom aluminum framing and components for walkway & canopy systems. One of the most overlooked aspects of walkway canopies is the lighting. We have custom extrusions that allow for concealed conduit while providing a waterproof light anchoring system that maintains the aesthetics that architects demand on their projects.

Our promise to you

Here at East Coast TVM we work hard to provide our clients with the highest quality materials and craftsmanship on the market today. We strive to meet and exceed your schedules, budgets, and expectations and it is our goal to make your experience with our company the best it can be.

East Coast TVM, LLC
Aluminum Canopy Systems

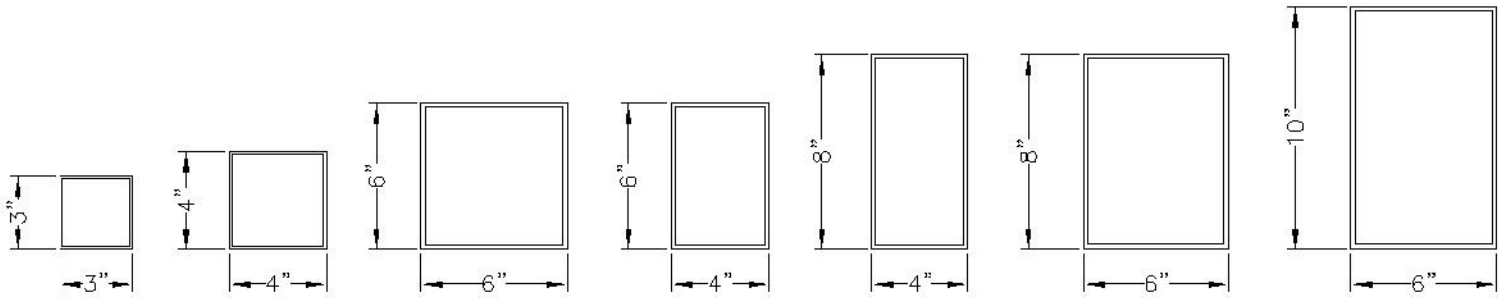
4709 Fraley Dr.
Timmonsville, SC 29161

P.O. Box 4008
Florence, SC 29502

Phone: (843) 346-3885
Fax: (843) 346-3913

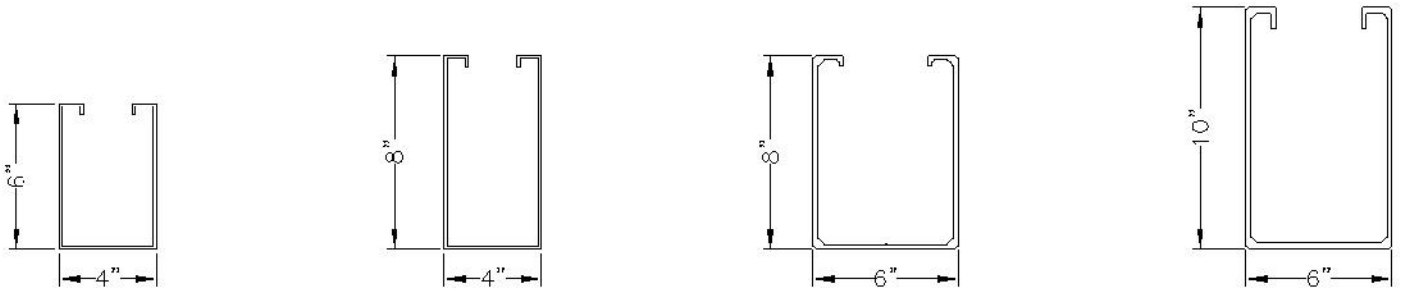
www.tvmetals.com

COLUMNS



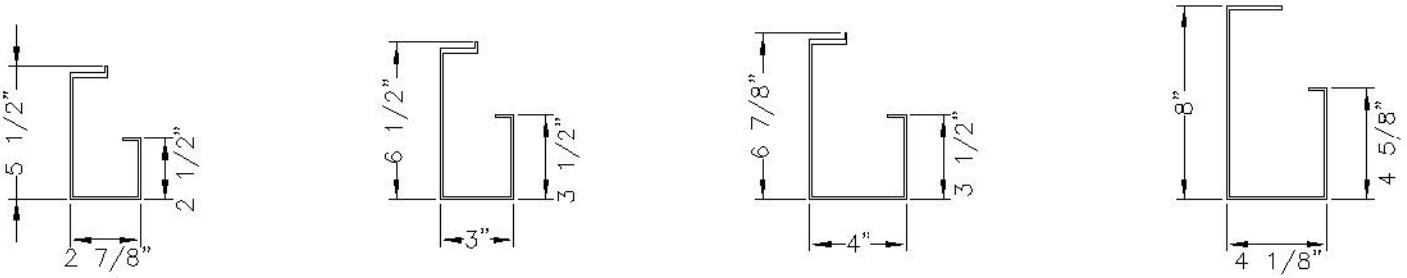
3" x 3" x .125" | 4" x 4" x .125" | 6" x 6" x .188" | 4" x 6" x .150" | 4" x 8" x .150" | 6" x 8" x .188" | 6" x 10" x .188"

DRAINAGE BEAMS



4" x 6" x .125" | 4" x 8" x .150" | 6" x 8" x .188" | 6" x 10" x .188"

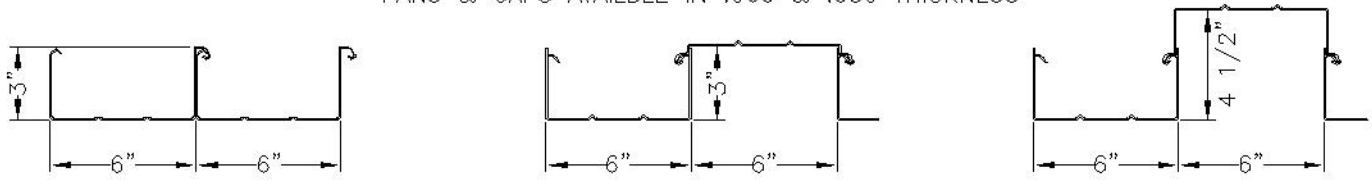
FASCIA / GUTTERS



5" FASCIA | 6" FASCIA | 7" FASCIA | 8" FASCIA

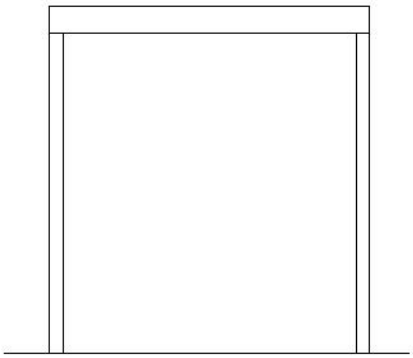
EXTRUDED DECK SYSTEMS

PANS & CAPS AVAILBLE IN .060 & .080 THICKNESS

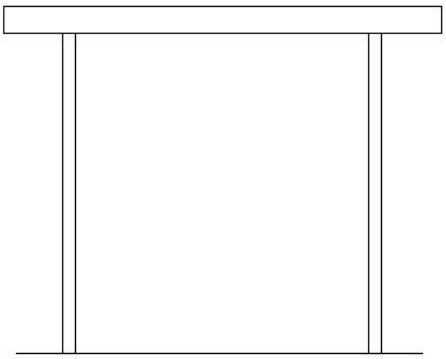


3" FLAT PAN | 3" PAN & CAP | 4 1/2" PAN & CAP

Other shapes and deck options are available – contact East Coast TVM for more details



BENT TYPE 1



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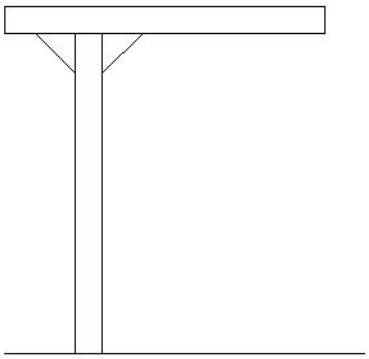

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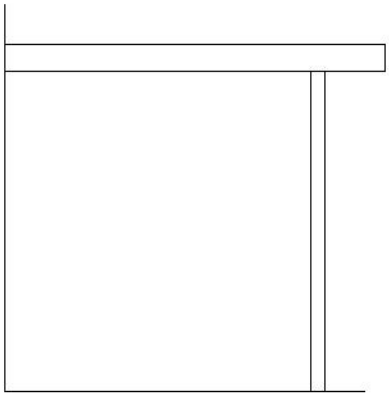

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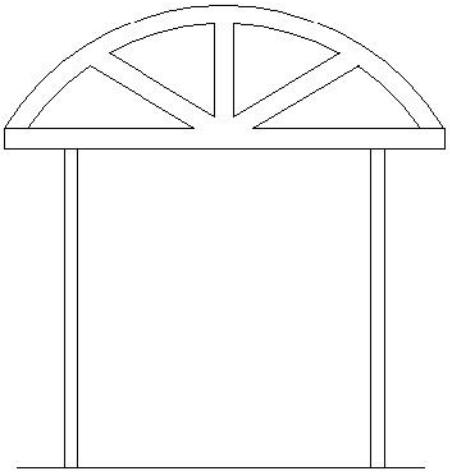

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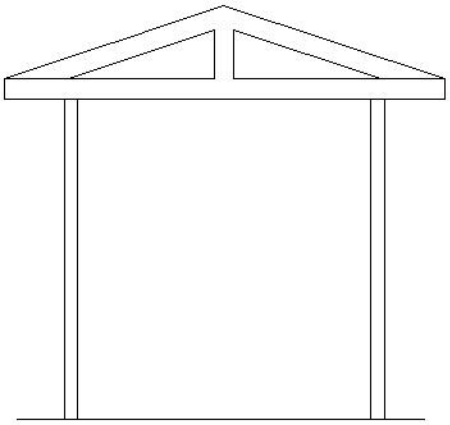

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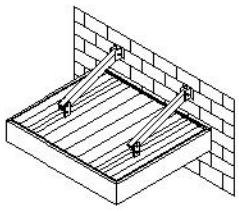
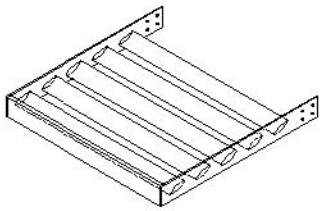
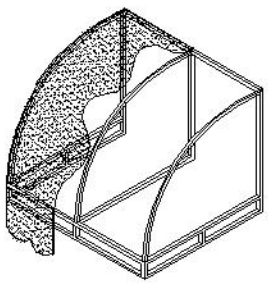


OVERHEAD SUPPORTED



SUN SHADES



FABRIC AWNINGS

Made in the USA

We are proud to say that the materials used in our canopy systems are made in the USA by companies that are American owned and operated.

Our facilities are located in the Pee Dee region of South Carolina and we provide service to customers throughout the southeast region.

BUILDING GREEN

The aluminum used in our canopy system is a 100% recyclable material and qualify for credits under the LEED accreditation MR4.1, 4.2 & MR5.1 & 5.2.
(LEED is a trademark of the US GBC)

FINISHES OPTIONS

- **Standard Baked Enamel AAMA 2603**
- **High Performance Kynar AAMA 2605 – 2 coat**
- **High Performance Kynar AAMA 2605 – 3 coat**
- **Class II Clear Anodized 204-R1 0.4 mill coating thickness.**
- **Class I Clear Anodized 215 – R1 0.7 mill coating thickness.**
- **Custom Powder Coating color also available**

STANDARD COLORS

WHITE

BRONZE

CLEAR ANODIZED

KYNAR COLORS

CARDINAL RED

BURGUNDY

MEDIUM BRONZE

DARK BRONZE

HARTFORD GREEN

HEMLOCK GREEN

INTERSTATE BLUE

MATTE BLACK

MILITARY BLUE

COLONIAL RED

PATINA GREEN

SANDSTONE

SIERRA TAN

GRANITE

SLATE GRAY

TERRA COTTA

EVERGREEN

CHARCOAL

THESE COLORS ARE PROVIDED FOR INFORMATION PURPOSES. WE RECOMMEND USING ACTUAL COLOR CHIPS BEFORE FINAL COLOR SELECTIONS ARE MADE.

CUSTOM COLORS ALSO AVAILABLE

PART 1 - GENERAL

1.01 Related Documents

A. Drawings and general provisions of contract, including General & Supplementary Conditions and Division 1 Specification Sections, shall apply to work specified in this section.

1.02 General Description of Work

A. Work in this section shall include design, fabrication and installation of complete welded, extruded aluminum canopy system. All work shall be in complete accordance with the drawings and this specification.

1.03 References

A. Aluminum Design Manual 2000, Specifications & Guidelines for Aluminum Structures.
B. ASCE 7, Minimum Design Loads for Buildings and Other Structures.
C. American Architectural Manufactures Association (AAMA).
D. American Society for Testing and Materials (ASTM).

1.04 Related Sections

A. Concrete Work – Section 03300
B. Masonry Work – Section 04200
C. Miscellaneous Metals – Section 05500
D. Flashing and Sheet Metal – Section 07600
E. Sealants – Section 07900

1.05 Submittals

A. Product Data: Submit manufacture's product information, specifications and installation instructions for components and accessories.
B. Shop Drawings: Submit complete erection drawings showing attachment system, column and gutter beam framing, transverse cross sections, covering and trim details, and option installation details to clearly indicate proper assembly of components. Detail shop drawings shall be submitted, sealed by a State Registered Structural Engineer.
C. Certification: Submit written Certification prepared and signed by a State Registered Structural Engineer verifying that framing design will safely resist wind uplift as computed by ANSI A58.1, IV=150, Exposure C, as well as meet indicated loading requirements of the current International building Code (IBC), as well as complying with ANSI/ASCE 7-98, live and dead loads and other load requirements.

1.06 Quality Assurance

A. Codes and Standards: Comply with provisions of the following except as otherwise indicated: Current International Building Code (IBC). American Welding Society (AWS) standards for structural aluminum welding.
B. Manufacturer: Obtain aluminum covered walkway system from only one (1) manufacturer, although several may be indicated as offering products complying with requirements.
C. Installer Qualifications: Firm with not less than three (3) years experience in installation of aluminum walkway covers of type, quality and installation methods similar to work of this section.
D. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to insure proper fitting work.
E. Coordination: Coordinate work of this section with work of other sections which interface with covered walkway system (sidewalk, curbs, building fascias, etc.)

1.07 Warranty

A. Provide manufactures standard one-year warranty that shall include, but not limited to, coverage for structural, water tightness and finish beginning the day of Substantial Completion of Installation.

PART 2 – PRODUCT

2.01 Manufactures

A. Contract documents are based on products manufactured by:
Tennessee Valley Metals Inc., East Coast TVM (Carolina's) (843)346-3885
2720 Southeastern Circle,
Birmingham, AL 35215
(205)853-1125, FAX (205)853-1314
(800)551-2579
sales@tvmetals.com,
www.tvmetals.com
B. Interested manufactures will be considered for substitution only when the following conditions are met: Complete details, including sizes of all members and structural calculations showing loads applied in accordance with the specification must be submitted to the architect for review. Submit complete details with structural properties (moment of inertia, section modules, modules of elasticity, etc.) for all proposed sections (bents, columns, decking, and other structural members).

2.02 Materials

A. Aluminum Extrusions: All sections shall be extruded aluminum 6063 alloy, heat treated to T-6 temper.
B. Finishes: For factory baked enamel finish, specify AAMA 603.8 standard or custom color. For satin anodized finish, 204.R1 meeting aluminum association specification AA-M-10C-22A21. For flouropolymer (kynar) finish, specify AAMA 605.2, two or three coats.

2.03 Components

A. Columns: Columns shall be radius cornered tubular extrusions of size shown on drawings with cutout and internal diverter for drainage where indicated. Circular downspout opening in column is not acceptable.
B. Beams: Beams shall be open-top tubular extrusions of size and shape shown on drawings, top edges thickened for strength and designed to receive deck members in self-flashing manner. Structural ties shall be installed in tops of all beams.
C. Deck: Deck shall be extruded self-flashing sections interlocking into a composite unit.
D. Fascia: Fascia shall be manufacture's standard shape. Size as indicated on drawings.
E. Flashing: Flashing shall be .032 aluminum (min.). All thru-wall flashing is completed by others.
F. Arches: Arches for barrel vault protective covers shall be sharp-cornered tubular extrusions of size shown in drawings.

2.04 Fabrication

A. Drainage: Water shall drain internally from deck to beams to columns, for discharge out to rain diverters at or below ground level as indicated on architectural drawings.
B. Deck Construction: Deck shall be manufactured of extruded modules that interlock in a self-flashing manner. Interlocking joints shall be positively fastened at 18" O.C. creating a monolithic structural unit capable of developing the full strength of the sections. The fastening must have minimum shear strength of 350 lbs. each. Deck shall be assembled with sufficient camber to offset dead load deflection.

PART 3 – EXECUTION

3.01 Preparation

A. Erection shall be performed after all concrete, masonry, and roofing work in the vicinity is complete and cleaned.

3.02 Installation

A. Column Sleeves: Column sleeves (Styrofoam block outs) or anchor bolts (if required) shall be furnished by Tennessee Valley Metals, Inc. and installed by the General Contractor.
B. Erection: Protective cover shall be erected true to line, level and plumb.

3.03 Cleaning

B. All protective cover components shall be cleaned promptly after installation.

3.04 Protection

C. Extreme care shall be taken to protect materials during and after installation.