

PRODUCT SPECIFICATIONS

Promenade® Seating System

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Product Concept

Promenade is a tandem seating system designed to provide durable, comfortable and functional public seating with a contemporary aesthetic appeal. The beam-mounted components can be used to create unique seating installations with a variety of seating, surface and privacy elements. The product is designed for use in all high traffic areas such as those found in the Transportation, College and University, Mall and Municipality Markets. Promenade is also suitable for both indoor and outdoor applications.

Construction Components

Promenade is a modular system which allows components to be specified and installed in a wide variety of configurations. Many parts are interchangeable on the beam and are easily replaced or re-configured.

The foundation of the Promenade system is the rectangular steel beam 1 1/2" wide by 2" high. The individual components are clamped to the beam with a series of yokes and mounting plates. The beam itself can be supported by a steel leg/aluminum foot assembly. In either case, the foot is available as freestanding with glides, or with clearance holes for fixed attachment to the floor.

Seating modules are available in two types, perforated steel seat with back or perforated steel bench seat. Both are available with optional padding and upholstery. Seat spiders and yokes are used to mount seats to the beam. Table surfaces are available in perforated steel and laminate. Table surfaces are available in two sizes, corner square and seat width square. Arms are available as a full loop arm and include a hard plastic armcap.

Beam

1 1/2" wide by 2" high, 11-gauge seamless rectangular steel tubing per ASTM HR TYPE 1. Plastic caps are force fit into ends.

Seat

Constructed of 14-gauge steel per ASTM A366, with 3/8" diameter perforations, welded to a 1" O.D. by 14-gauge per ASTM A513 H TYPE 1 tubular steel frame. Seat is attached with 11-gauge HRPO C1008/1010 formed steel spider bolted to seat frame and clamped to the beam with a yoke system and four bolts.

Leg

Weldment consists of 1 1/2" x 4" x 14-gauge HR steel rectangular tube upright per ASTM A513 HR TYPE 1. Upright is welded to an 11-gauge HRPO type C1008/1010 formed steel yoke which is clamped to the connecting beam.

Foot

Foot is cast from aluminum alloy 356 and bolted to leg upright. Foot can be anchored to the floor through pre-drilled holes when the fixed base option is specified.

Glides

Two adjustable nylon glides are screwed into threaded bosses underneath the foot for the freestanding option.

Steel Table

Constructed of 14-gauge steel per ASTM A366, 3/8" diameter perforated pattern welded to a 1" O.D. by 14-gauge per ASTM HR TYPE 1 tubular steel frame. Table is attached to beam with an 11-gauge HRPO C1008/1010 formed steel spider bolted to table frame and clamped to beam.



Furnishing Knowledge®

PRODUCT SPECIFICATIONS (CONTINUED)

Laminate Table

Construction consists of $\frac{7}{8}$ " thick high-density particleboard with plastic laminate surface and vinyl bullnose edge.

Table is attached to beam with an 11-gauge HRPO C1008/1010 formed steel spider bolted to table top and clamped to beam.

Arm Assembly

Constructed of 1" O.D. by 14-gauge HR tube per ASTM A513 HR TYPE 1. Tubing is welded to an 11-gauge HRPO type C1008/1010 formed steel yoke. Arm assembly is clamped to beam.

Upholstery

Light upholstery is available in a variety of vinyls and fabrics. Upholstery and foam are glued and stapled to an $\frac{11}{32}$ " thick molded plywood upholstery board which is screwed to the perforated metal seat. $\frac{1}{2}$ " thick foam is used in the seat and back pads. COM may be specified and is subject to testing and approval. Product can be manufactured to meet Cal TB 133 flammability requirements with suitable materials.

Metal Finishes

All steel and aluminum parts are processed through a five-stage pre-treatment washer and receive electrostatically applied powdercoating. Indoor coatings are epoxy/polyester mixed hybrid material, while outdoor coatings are super polyester material applied over a zinc rich primer, applied through an electrodeposition process.

All powder-coat finishes are tested to the following ASTM standards:

- ASTM D-3359; Cross Hatch - no pull off.
- ASTM D-3363-74; Pencil Hardness - 3H.
- ASTM D-522-60; Conical Mandrel Bend Test - no cracking at 180° bend over $\frac{1}{8}$ " to $\frac{1}{2}$ ".
- ASTM D-2794-82; Forward and Reverse Impact Test - pass at 120 inch-pounds.
- ASTM B117; Salt Spray - 500 hours for indoor coating, 1000 hours for outdoor coating.

Test Specifications

Promenade Modular Seating System has been tested to ANSI/BIFMA X5.4-1983 standards:

- Section 5: Back Strength, Horizontal
- Section 6: Back Strength, Vertical
- Section 7: Back Durability, Horizontal
- Section 8: Back Durability, Vertical
- Section 9: Arm Strength, Horizontal
- Section 10: Arm Strength, Vertical
- Section 11: Arm Durability, Horizontal
- Section 12: Arm Durability, Vertical
- Section 13: Seating Impact
- Section 14: Drop Test
- Section 15: Structural Durability
- Section 17: Leg Strength
- Section 18: Unit Drop
- Section 22: Stability

Flammability Testing

- California Technical Bulletin 133 (TB 133) - Seating products can be manufactured using the appropriate flame-retardant materials and fabric selections to meet this standard.