

CertainTeed 15/16" Classic Environmental Stab System

Ceiling Suspension Systems

15/16" Classic Environmental Stab System

The Classic Environmental Stab System is ideal for areas where extreme environments exist, such as parking garages and commercial kitchens.

Features:

- Double web design for lasting durability and strength.
- Bayonet style couplings on main runners for easy installation.
- Cross tees are stepped-end, and are offered in 2' and 4' lengths.
- Cross tees feature staked-on end tabs for optimal tightness and ease of installation.
- G60 hot-dipped galvanized steel structure with aluminum capping for high-humidity environments.
- Satisfies USDA/FSIS guidelines for sanitary applications.
- 25% recycled content (20% post-consumer, 5% pre-consumer).



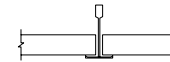
CLASSIC ENVIRONMENTAL STAB SYSTEM

MAIN RUNNER ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing		
					4' (1220mm)	ASTM C 635 5' (1525mm)	6' (1830mm)
PACS12-12-15-G60	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	Intermediate Duty 12.0 (17.9)	6.0 (8.9)	4.0 (6.0)
PACS12-12-20-G60	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.020" (.51mm)	—	—	—

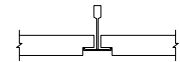
CROSS TEE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS
PACS2-12-15-G60	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)
PACS4-12-15-G60	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)

WALL ANGLE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS
WA12-15SAL ALUM	12' (3660mm)	3/4" (19mm)	15/16" (24mm)	.020" (.51mm)

Selected Popular Edge Details



TRIM EDGE
(Square) 15/16" Grid



REVEAL EDGE
15/16" Grid

LONG FORM SPECIFICATIONS

CLASSIC ENVIRONMENTAL STAB SYSTEM

SECTION 09510 - ACOUSTICAL CEILINGS

PART 1 - GENERAL

1.1 Section Includes

Provide metal suspension system for lay-in acoustical panel ceiling.

1.2 Related Sections

- A. Section 09120 - Ceiling Suspension Systems
- B. Section 09250 - Gypsum Board
- C. Section 09545 - Special Ceiling Surfaces
- D. Section 13020 - Integrated Ceilings
- E. Section 13080 - Sound, Vibration, and Seismic Control
- F. Section 15500 - Heating, Ventilating, and Air Conditioning
- G. Section 16500 - Lighting

1.3 References

- A. American Society for Testing and Materials (ASTM)
 - 1. C 635 - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
 - 2. C 636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels.
 - 3. E 580 - Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels in Areas Requiring Moderate Seismic Restraint.
- B. Underwriters Laboratories Inc. (UL) Fire Resistance Directory (latest edition).
- C. Ceiling & Interior Systems Construction Association (CISCA)
 - 1. Ceiling Systems Handbook
 - 2. Guidelines for Seismic Restraint Direct Hung Suspended Ceiling Assemblies

1.4 Submittals

- A. Product data sheets listing dimensions, load carrying capacity and standards compliance.
- B. Samples: 12 inch long samples of main runner and cross tee with couplings.

1.5 Project Conditions

- A. Environmental Requirements:
 - 1. Verify weathertightness of area to receive suspension system prior to installation.
 - 2. Wet trades work to be thoroughly dry and complete prior to suspension system installation.
 - 3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
 - 4. Heating and air conditioning systems to be operating prior to, during, and after installation.
 - 5. High humidity environments are acceptable.

1.6 Maintenance

Furnish additional material equal to _____ percent of ceiling area.

PART 2 - PRODUCTS

2.1 Manufacturers

A. Suspension Systems:

- 1. CertainTeed Ceilings Protectone Fire-Rated Aluminum Capped (Type PAC) System

2.2 Suspension System Components

A. Main Runners:

- 1. Manufactured from [0.015 inch thick corrosion-resistant (G60) steel] [0.020 inch thick corrosion-resistant steel] 15/16 inch wide by 1-1/2 inches high by 144 inches long with factory punched cross tee slots, hanger holes, and integral bayonet-style end couplings. Double web [intermediate] [heavy] duty fire-rated ceiling suspension system.
- 2. Capped with aluminum capping affixed to 15/16 inch flange.
- 3. Coated with factory-applied [standard] [architect select] color baked-on enamel paint finish.
- 4. Manufactured with fire expansion reliefs.

B. Cross Tees:

- 1. Manufactured from [0.015 inch thick corrosion-resistant (G60) steel] [0.015 inch thick corrosion-resistant steel] 15/16 inch wide by 1-1/2 inches high by [24] [48] inches long with factory punched cross tee slots and hanger holes.
- 2. Capped identical to main runners.
- 3. Finished identical to main runners.
- 4. Manufactured with factory attached stainless steel couplings on component ends.
- 5. Manufactured with fire expansion reliefs.

C. Perimeter Treatment Components:

- 1. Type: [angle, shadow-line, channel]
- 2. Profile: As selected by the Architect

D. Attachment Devices:

- Size for five times design load indicated in ASTM C 635, Table 1, Direct Hung unless otherwise indicated.

E. Wire for Hangers and Ties:

- Class 1 zinc coating, soft temper, prestretched, with a yield stress load of at least three times design load, but not less than 12 gage.

F. Accessories

PART 3 - EXECUTION

3.1 Examination

Examine area receiving suspension system to identify conditions which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.

3.2 Installation - FIRE-RATED SYSTEM

- A. Install the ceiling system in accordance with the following:
 - 1. Manufacturer's printed instructions
 - 2. ASTM C 636, E 580
 - 3. Ceilings & Interior Systems Construction Association (CISCA) recommendations
 - 4. Applicable local code requirements
 - 5. Approved shop drawing
 - 6. UL Design Number [_____] guidelines
- 3. Install suspension system requiring seismic restraint in compliance with ASTM E 580, CISCA recommendations and with the authorities having jurisdiction.
- B. [Angle] [Shadow Line] Moldings: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry-accepted practice.
- C. Additional Hanger Wires: Wrapped tightly 3 full turns to structure and component at locations where imposed loads could cause deflection exceeding 1/360 span.

3.3 Adjustments and Cleaning

- A. Remove damaged components, replace with undamaged components. Clean with non-solvent based non-abrasive commercial cleaning solution.

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