CertainTeed

15/16" Classic Stab System

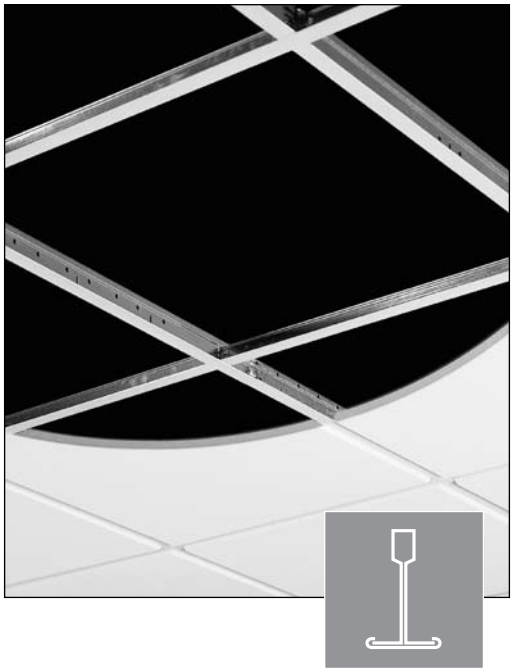
Ceiling Suspension Systems

The Classic Stab System features the ever-popular 15/16" (24mm) face width that is widely used in interior designs today. Strong staked-on end tabs are incorporated into the cross tee design to provide quick and easy installation with optimal tightness among installed components.

- Double web design for durability and strength.
- Cross tees feature staked-on end tabs for optional tightness and ease of installation.
- Intermediate and heavy duty load bearing capabilities.
- Stepped-end design featured on cross tees.
- Grid features hot-dipped galvanized steel web construction for corrosion resistance.
- 25% recycled content (20% post-consumer, 5% pre-consumer).

Protectone® Classic Fire-Rated Stab System

- Similar features and benefits to the Classic Stab System.
- Meets or exceeds ASTM E119 for fire rating.
- Consult your CertainTeed Sales Representative for standard Colortone options.



CLASSIC 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)
CS12-12-15	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)
CS12-12-20	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.020" (.51mm)	Heavy Duty 16.0 (23.8)	8.9 (13.2)	5.6 (8.3)

CROSS TEE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS
CS2-12-12	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.012" (.30mm)
CS4-12-12	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.012" (.30mm)
CS8-12-15	8' (2440mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)

*Weight limited by a safety factor of 2.

PROTECTONE® CLASSIC FIRE-RATED STAB SYSTEM**

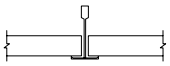
MAIN RUNNER ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing 4' (1220mm)	ASTM C 635 5' (1525mm)	6' (1830mm)
PCS12-12-15	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	Intermediate Duty 12.0 (17.9)	6.0 (8.9)	4.0 (6.0)
PCS12-12-20	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.020" (.51mm)	Heavy Duty 16.0 (23.8)	8.9 (13.2)	5.6 (8.3)

CROSS TEE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS
PCS2-12-15	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)
PCS4-12-15	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)

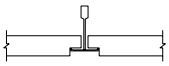
*Weight limited by a safety factor of 2.
**For fire rated and seismic information, please contact our Inside Sales Department at 1-800-346-7978.

WALL ANGLE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS
WA15-15	12' (3660mm)	15/16" (24mm)	15/16" (24mm)	.020" (.51mm)
WA15-9	12' (3660mm)	15/16" (24mm)	9/16" (15mm)	.018" (.46mm)

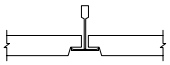
Selected Popular Edge Details



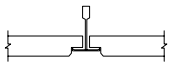
TRIM EDGE
(Square) 15/16" Grid



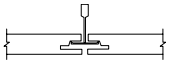
REVEAL EDGE
15/16" Grid



REVEAL EDGE
(Beveled) 15/16" Grid



REVEAL EDGE
(Corner Bevel) 15/16" Grid



SEMI-CONCEALED EDGE
15/16" Grid

FULLY CONCEALED
15/16" Grid

CertainTeed
Quality made certain. Satisfaction guaranteed.™

LONG FORM SPECIFICATIONS
CLASSIC STAB/PROTECTONE® CLASSIC FIRE-RATED 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. 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.

1.6 Maintenance
Furnish additional material equal to _____ percent of ceiling area.

PART 2 - PRODUCTS

2.1 Manufacturers
A. Suspension Systems:
   1. CertainTeed Ceilings [Classic] [Protectone® Classic Fire-Rated (Type PCS)] Stab System

2.2 Suspension System Components
A. Main Runners:
   1. Manufactured from [0.015] [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] [non-fire] rated ceiling suspension system.
   2. Capped with corrosion-resistant steel 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 on fire-rated components.
B. Cross Tees:
   1. Manufactured from [0.012] [0.015] inch thick corrosion-resistant steel 15/16 inch wide by 1-1/2 inches high by [24] [48] [96] 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 on fire rated components.
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 - NON-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 drawings
B. Install suspension system requiring seismic restraint in compliance with ASTM E 580, CISCA recommendations and with the authorities having jurisdiction.
C. Main Runners: Installed [12] [24] [48] [60] [96] inches on center, by direct suspension from existing structure, with not less than 12 gage steel hanger wires spaced 48 inches on center along main runner length. Wrap hanger wires tightly 3 full turns at each end.
D. Cross Tees:
   1. Installed perpendicular to main runners _____ inches on center to form _____ by _____ inch modules.
   2. Installed perpendicular to module forming cross tees _____ inches on center to form _____ by _____ inch modules.
   3. Installed adjacent to each unsupported side of recessed fixtures.
E. [Angle] [Shadow Line] Moldings: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry-accepted practice.
F. 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 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 drawings

3.4 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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