

15/16" Classic Aluminum Capped Hook System

CEILING SUSPENSION SYSTEMS

Specification Sheet

The Aluminum Capped Hook System is for areas where moisture is a concern, such as commercial kitchens, laboratories and computer rooms.

Features & Benefits:

- Double web design for lasting durability and strength.
- Bayonet style couplings featured on main runners for easy installation.
- Cross tees are stepped-end, and are offered in 2' and 4' lengths.
- Cross tees feature hook-over end tab design for positive locking and easy disassembly.
- Cross tees feature a butt-cut end design.
- Grid features G30 hot-dipped galvanized steel web construction for corrosion resistance.
- Satisfies USDA/FSIS guidelines for sanitary applications.
- 25% recycled content (20% post-consumer, 5% pre-consumer).
- Available in standard white and black.



Attributes:

MAIN RUNNER ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS	Allowable Load (lbs./lin.ft (kg/m) Hanger Spacing)
					ASTM C635 4' (1220mm)
ACH12-12-15	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	0.015" (0.38mm)	Intermediate Duty 12.00 (17.90)

Slotted 6" o.c.

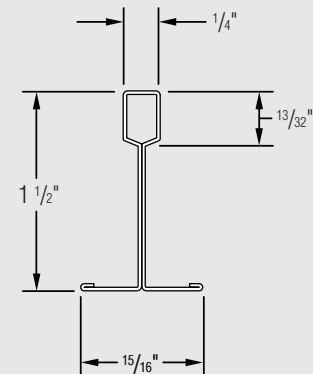
CROSS TEE ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS
ACH2-12-12	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	0.012" (0.30mm)
ACH4-12-12*	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	0.012" (0.30mm)

**Slotted 12" o.c.*

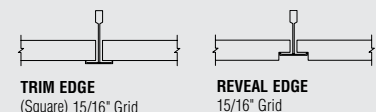
WALL ANGLE ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS
WA15-15SAL (All Aluminum)	12' (3660mm)	15/16" (24mm)	15/16" (24mm)	0.024" (0.61mm)
WA15-15	12' (3660mm)	15/16" (24mm)	15/16" (24mm)	0.020" (0.51mm)



Main Runners:



Selected Popular Edge Details:



Long Form Specifications

Classic Aluminum Capped Hook 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.
 - 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 Classic Aluminum Capped System

2.2 Suspension System Components

- A. Main Runners:
 - 1. Manufactured from 0.015 inch thick corrosion-resistant (G30) 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 duty ceiling suspension system.
 - 2. Capped with aluminum capping affixed to 15/16 inch flange.
 - 3. Coated with factory-applied standard color baked-on enamel paint finish.
 - 4. Manufactured with fire expansion reliefs.
- B. Cross Tees:
 - 1. Manufactured from [0.012 inch thick corrosion-resistant (G30) steel] [0.012 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

- 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
- 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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