

# CertainTeed 15/16" Classic Aluminum Capped Hook System

## Ceiling Suspension Systems

### Classic Aluminum Capped Hook System

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

#### Features:

- 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 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).



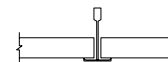
#### CLASSIC ALUMINUM CAPPED HOOK SYSTEM

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)
ACH12-12-15	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)
CROSS TEE ITEM NUMBER	LENGTH	HEIGHT	FACE	METAL THICKNESS			
ACH2-12-15	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)			
ACH4-12-15	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)			

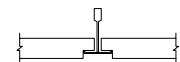
\*Weight limited by a safety factor of 2.

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)
WA12-15SAL	12' (3660mm)	3/4" (19mm)	15/16" (24mm)	.024" (.61mm)

#### Selected Popular Edge Details



**TRIM EDGE**  
(Square) 1/8" Grid



**REVEAL EDGE**  
1/8" Grid

# 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 Cap 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 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 (G30) 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

- 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.

#### ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

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CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777  
[www.certainteed.com](http://www.certainteed.com)

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