INSTALLATION INSTRUCTIONS

FMSCM

FMSCA

Fusion Modular Ceiling Heads

CHIEF®
Our Mounts. **Your Vision.**

FMSCM / FMSCA

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DEFINITIONS

MOUNTING SYSTEM: A MOUNTING SYSTEM is the primary Chief product to which an accessory and/or component is attached.

ACCESSORY: AN ACCESSORY is the secondary Chief product which is attached to a primary Chief product, and may have a component attached or setting on it.

COMPONENT: A COMPONENT is an audiovisual item designed to be attached or resting on an accessory or mounting system such as a video camera, CPU, screen, display, projector, etc.

⚠ **WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

⚠ **CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

⚠ **IMPORTANT SAFETY INSTRUCTIONS**

⚠ **WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all mounting systems / accessories are properly assembled and installed using the instructions provided.
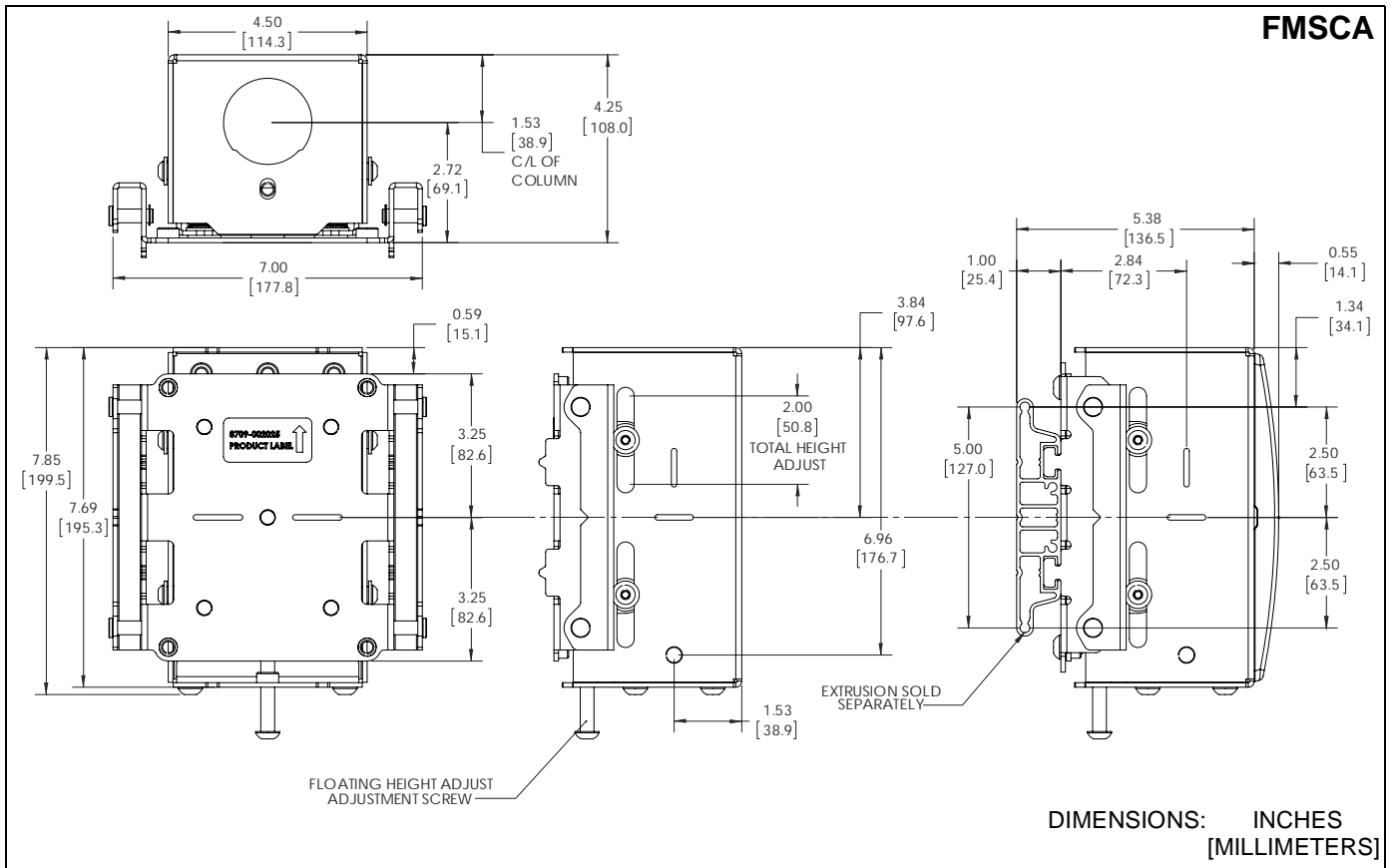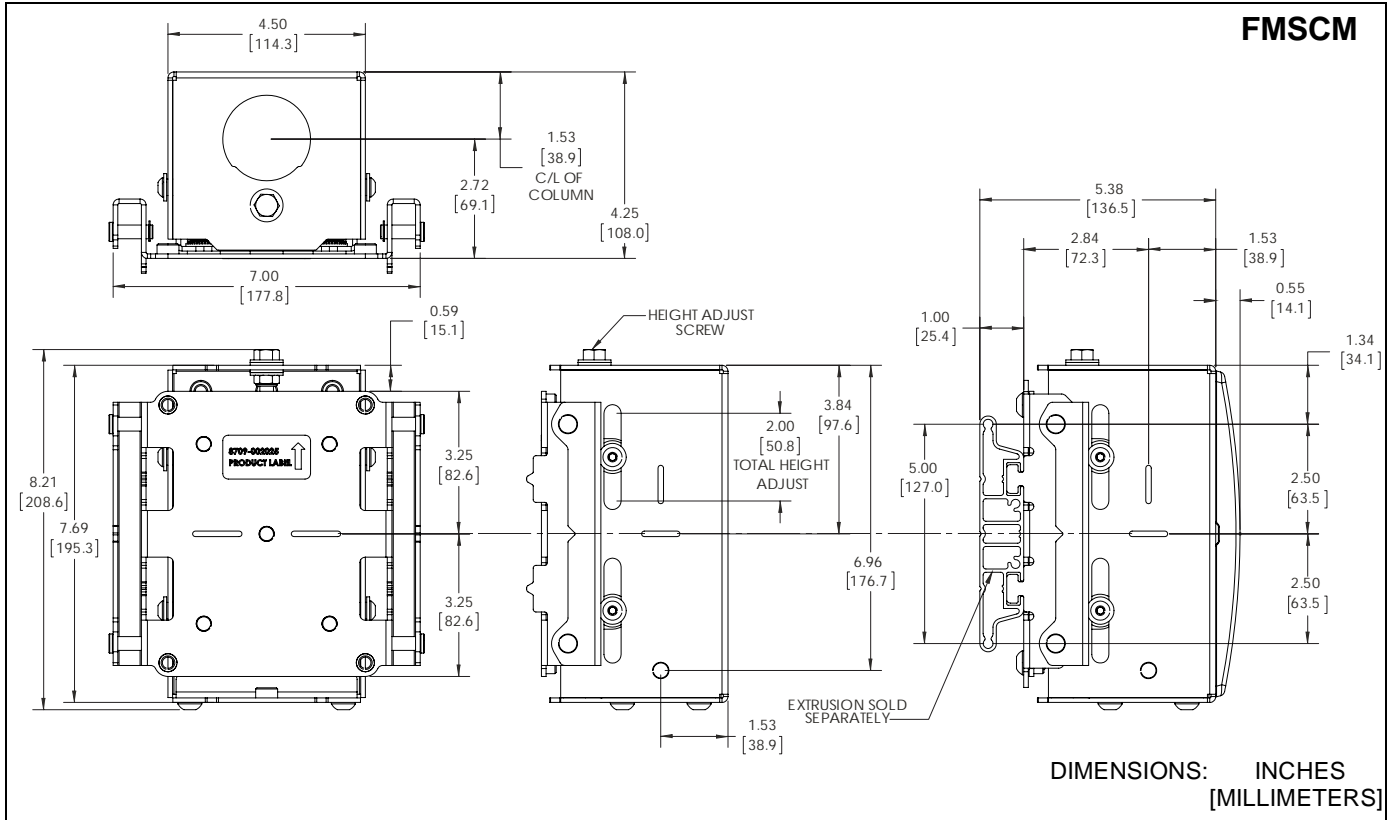
⚠ **WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components attached to mounting system does not exceed the weight capacity listed in the **Fusion Modular Systems installation instructions**.
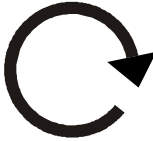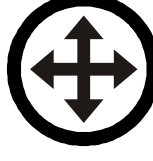
IMPORTANT ! : These installation instructions must be used in conjunction with the **Fusion Modular Systems** installation instructions.

--SAVE THESE INSTRUCTIONS--

DIMENSIONS

FMSCM

DIMENSIONS: INCHES
                [MILLIMETERS]

FMSCA

DIMENSIONS: INCHES
                [MILLIMETERS]

LEGEND

	Tighten Fastener
	Apretar elemento de fijación
	Befestigungsteil festziehen
	Apertar fixador
	Serrare il fissaggio
	Bevestiging vastdraaien
	Serrez les fixations

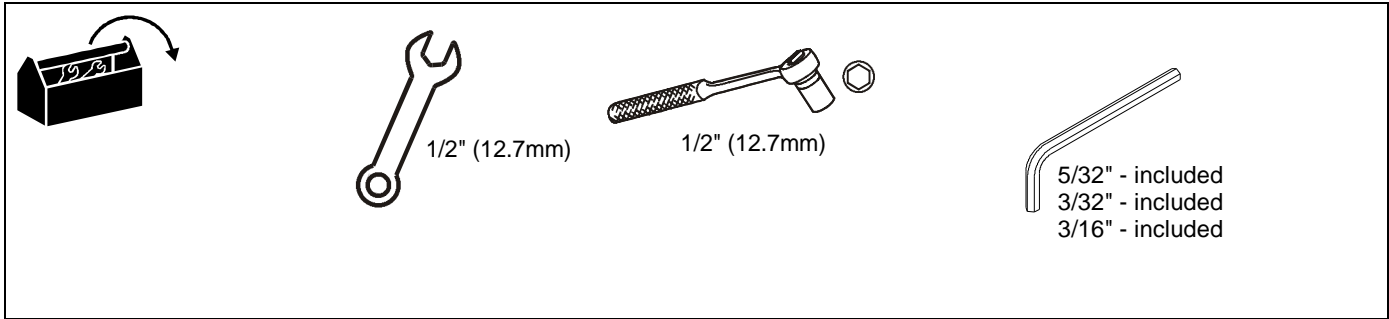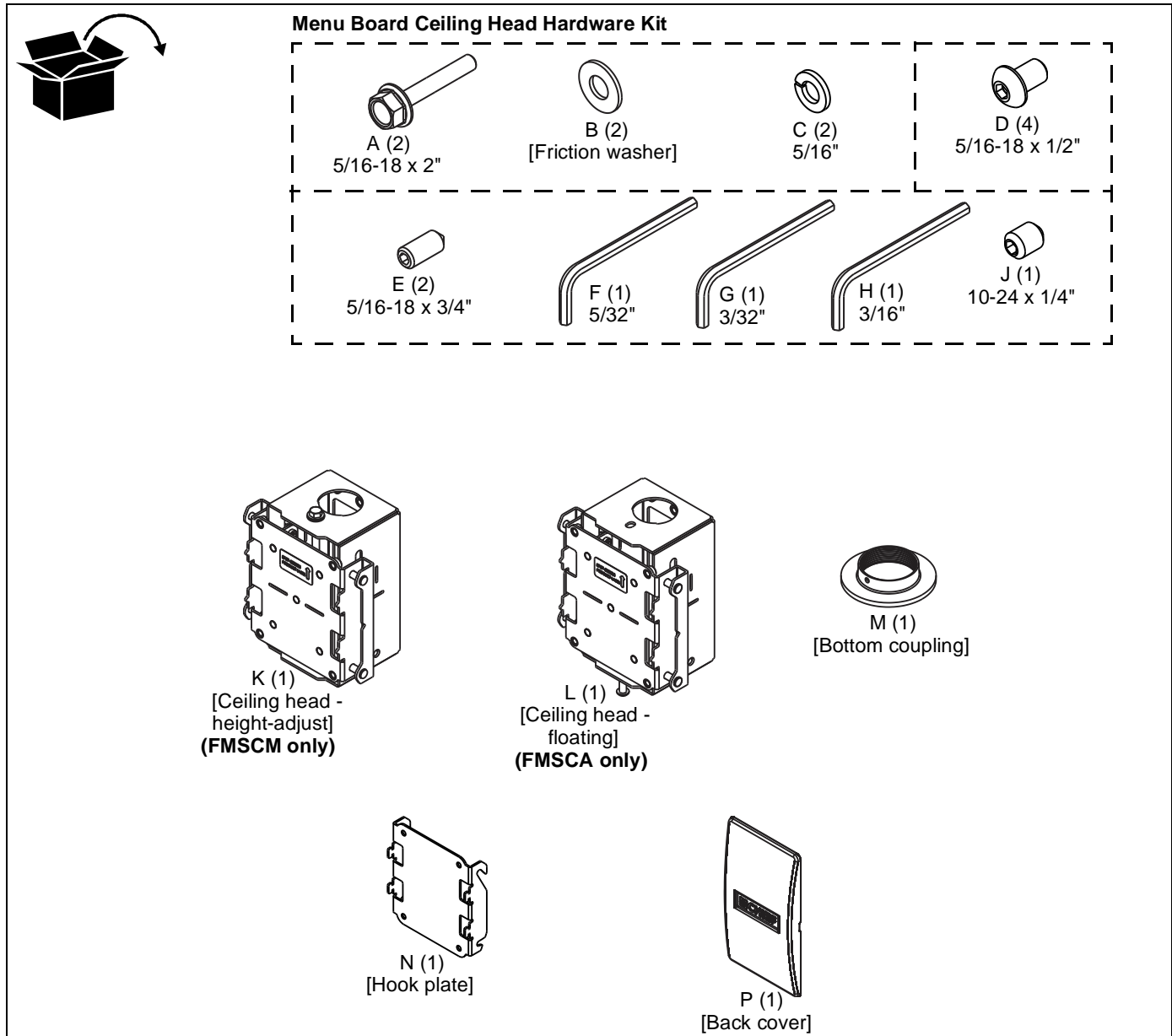|	Pencil Mark
	Marcar con lápiz
	Stiftmarkierung
	Marcar com lápis
	Segno a matita
	Potloodmerkteken
	Marquage au crayon

	Loosen Fastener
	Aflojar elemento de fijación
	Befestigungsteil lösen
	Desapertar fixador
	Allentare il fissaggio
	Bevestiging losdraaien
	Desserrez les fixations

	Drill Hole
	Perforar
	Bohrloch
	Fazer furo
	Praticare un foro
	Gat boren
	Percez un trou

	Phillips Screwdriver
	Destornillador Phillips
	Kreuzschlitzschraubendreher
	Chave de fendas Phillips
	Cacciavite a stella
	Kruiskopschroevendraaier
	Tournevis à pointe cruciforme

	Adjust
	Ajustar
	Einstellen
	Ajustar
	Regolare
	Afstellen
	Ajuster

	Open-Ended Wrench
	Llave de boca
	Gabelschlüssel
	Chave de bocas
	Chiave a punte aperte
	Steeksleutel
	Clé à fourche

	Remove
	Quitar
	Entfernen
	Remover
	Rimuovere
	Verwijderen
	Retirez

	By Hand
	A mano
	Von Hand
	Com a mão
	A mano
	Met de hand
	À la main

	Optional
	Opcional
	Optional
	Opcional
	Opzionale
	Optie
	En option

	Hex-Head Wrench
	Llave de cabeza hexagonal
	Sechskantschlüssel
	Chave de cabeça sextavada
	Chiave esagonale
	Zeskantsleutel
	Clé à tête hexagonale

	Security Wrench
	Llave de seguridad
	Sicherheitsschlüssel
	Chave de segurança
	Chiave di sicurezza
	Veiligheidssleutel
	Clé de sécurité

TOOLS REQUIRED FOR INSTALLATION

1/2" (12.7mm)

1/2" (12.7mm)

5/32" - included
3/32" - included
3/16" - included

PARTS

Menu Board Ceiling Head Hardware Kit

A (2)
5/16-18 x 2"

B (2)
[Friction washer]

C (2)
5/16"

D (4)
5/16-18 x 1/2"

E (2)
5/16-18 x 3/4"

F (1)
5/32"

G (1)
3/32"

H (1)
3/16"

J (1)
10-24 x 1/4"

K (1)
[Ceiling head -
height-adjust]
(FMSCM only)

L (1)
[Ceiling head -
floating]
(FMSCA only)

M (1)
[Bottom coupling]

N (1)
[Hook plate]

P (1)
[Back cover]

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INSTALLATION

NOTE: The following procedure assumes that Chief UL Listed CPA or CMA ceiling plates (not included) and extension columns (not included) have been properly installed following instructions provided with ceiling plates and extension columns.

- The ceiling plates and columns should be installed approximately spaced at center of outside screens, and spacings should not exceed those outlined in the **Fusion Modular Systems** installation instructions.

IMPORTANT ! : The weight of the system should be evenly distributed across ceiling plates.

IMPORTANT ! : Also be sure to reference ceiling system attachment guidelines in the **Fusion Modular Systems** installation instructions.

NOTE: Proceed to **Attaching Ceiling Head to NPT Column** section or **Attaching Ceiling Head to CPA Column** section, as appropriate.

Attaching Ceiling Head to 1-1/2" NPT Column

1. Slide ceiling head (K or L) up from below onto installed column (not included). (See Figure 1)

2. Thread bottom coupling (M) onto installed column until tight, with a minimum of four threads engaged. (See Figure 1)

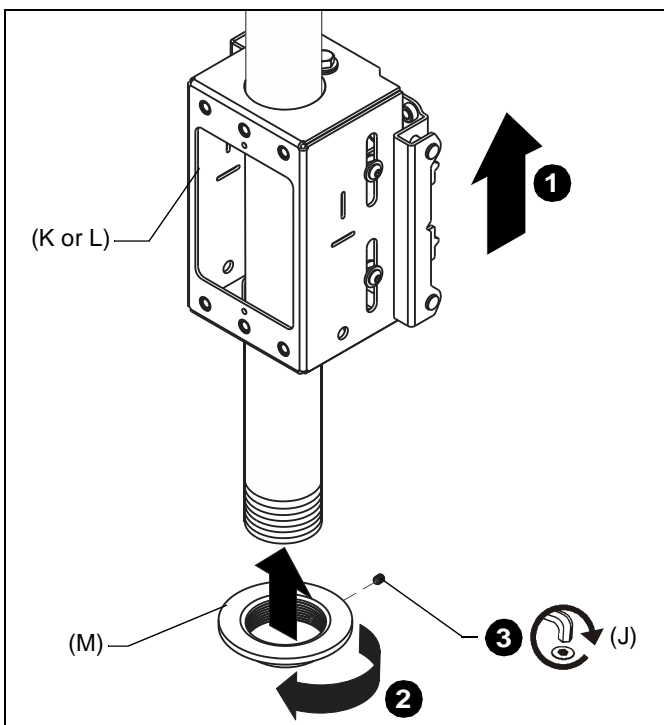3. Install and tighten one 10-24 x 1/4" set screw (J) into bottom coupling (M). (See Figure 1)

Figure 1

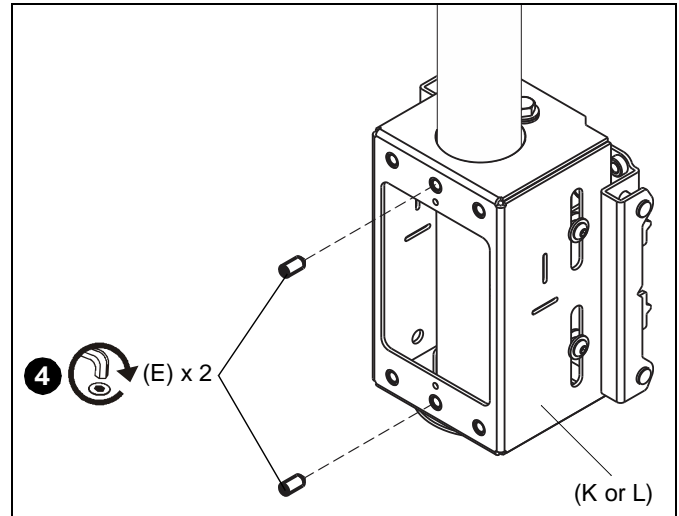4. Tighten two 5/16" x 3/4" set screws (E) against column. (See Figure 2)

Figure 2

Attaching Ceiling Head to CPA Column

1. Slide ceiling head (K or L) up from below onto installed column (not included). (See Figure 3)

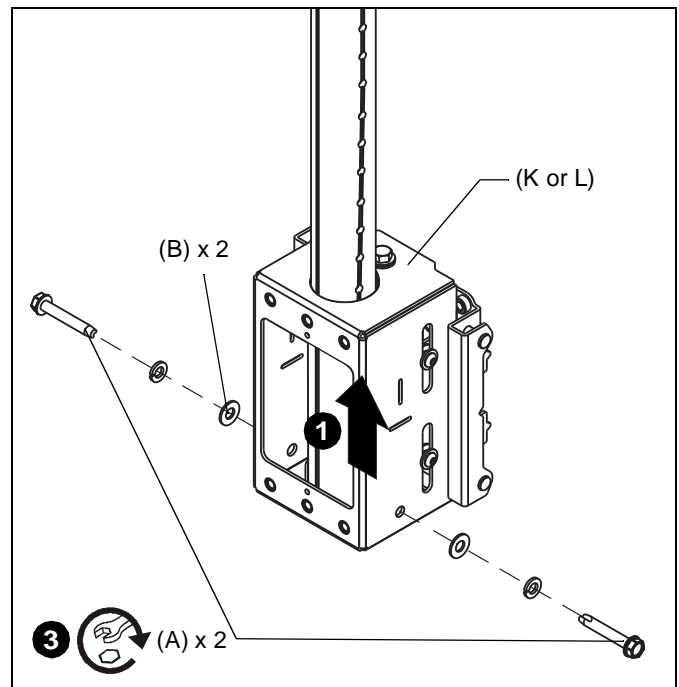2. Line up holes in sides of ceiling head (K or L) with holes in column.

Figure 3

3. Install two 5/16" x 2" self-tapping screws (A) through two 5/16" lock washers (C), two friction washers (B), sides of ceiling head (K or L), and into installed column. (See Figure 3)

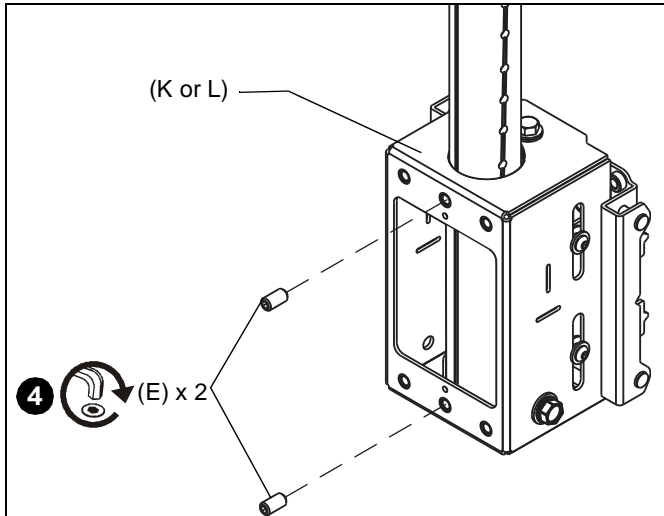4. Install and tighten two 5/16" set screws (E) against column. (See Figure 4)

Figure 4

Attaching Mounting Rail to Ceiling Head

IMPORTANT ! : Use the FMSCM height-adjust ceiling head (K) on the outside of the mounting rails, or FMSCA floating ceiling head (L) at the center of the mounting rails.

NOTE: Attach one end cap to one end of mounting rail following instructions included with the FMSECAP.

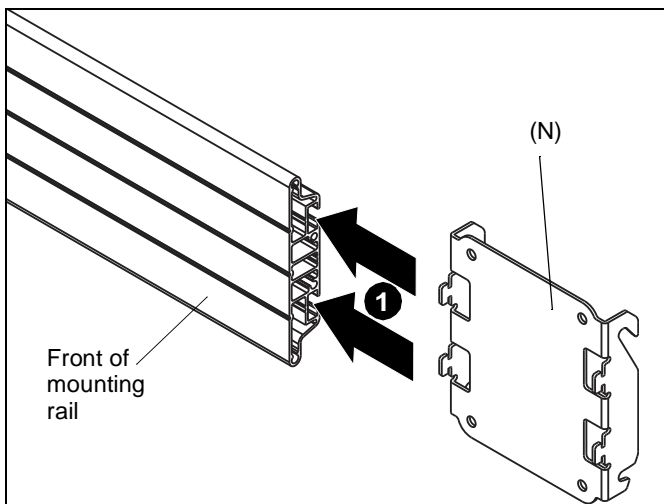1. Slide the hook plate (N) into mounting rail. (See Figure 5)

Figure 5

2. Lift the mounting rail with the hook plate up to the ceiling head (K or L). (See Figure 6)

3. Attach hook plate (N) with mounting rail to ceiling head (K or L) using four 5/16 x 1/2" button head cap screws (D). (See Figure 6)
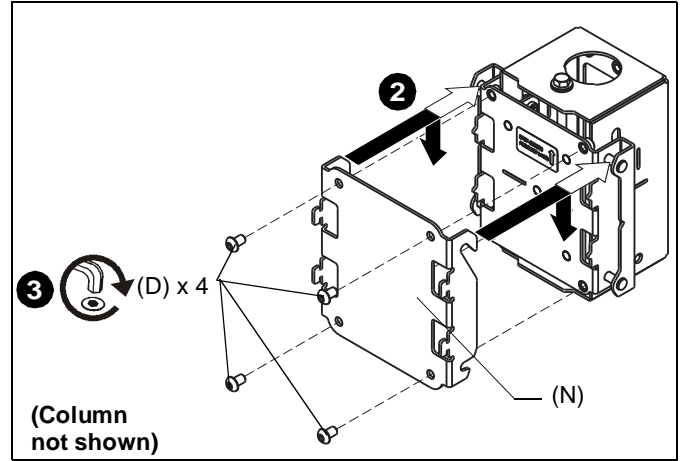

Figure 6

Adjust and Level Mounting Rail via Ceiling Head

1. Adjust the height of the ceiling head, as necessary, to level the mounting rail across the columns. (See Figure 7)
   - **Tighten** the ceiling head height-adjust screw on the FMSCM to **raise** the mounting rail.
   - **Loosen** the ceiling head height-adjust screw on the FMSCM to **lower** the mounting rail.

2. Tighten the adjustment screw at the bottom of the FMSCA ceiling head to hold the FMSCA (center) ceiling head at the same level as the FMSCM (outer) ceiling heads.
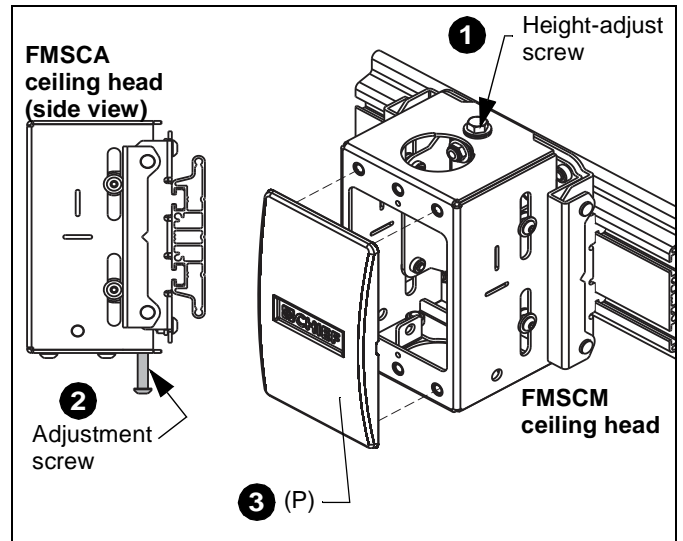

Figure 7

3. Add back cover (P) to ceiling head (K or L). (See Figure 7)

4. Attach remaining end cap to end of mounting rail following instructions included with the FMSECAP.

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