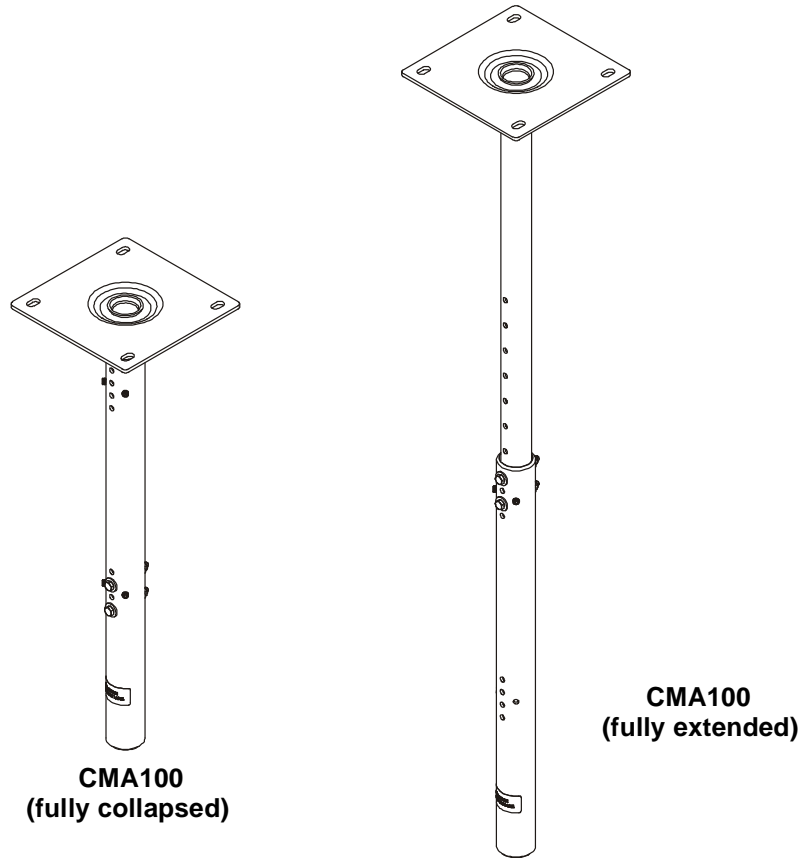


---

# INSTALLATION INSTRUCTIONS

---



---

## Flat Ceiling Mount with Adjustable Column

---

**DISCLAIMER**

Milestone AV Technologies and its affiliated corporations and subsidiaries (collectively "Milestone"), intend to make this manual accurate and complete. However, Milestone makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without notice or obligation of any kind. Milestone makes no representation of warranty, expressed or implied, regarding the information contained herein. Milestone assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

Chief® is a registered trademark of Milestone AV Technologies. All rights reserved.

**! IMPORTANT WARNINGS AND CAUTIONS!**

**! 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.

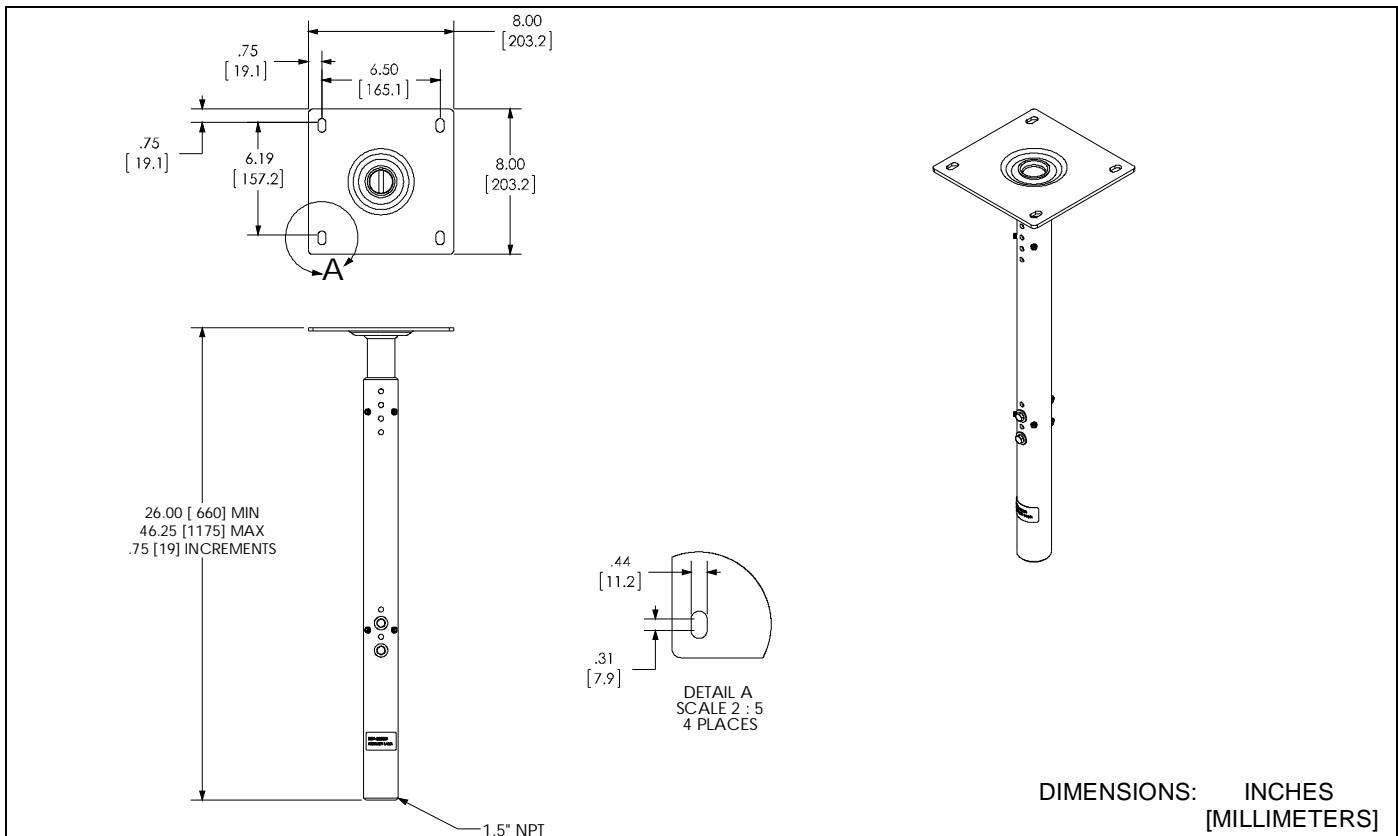
**! WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

**! WARNING:** Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

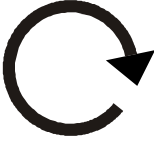

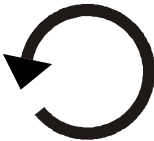


**! WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components attached to the CMA100 does not exceed 500 lbs (226.8 kg).

**NOTE:** The weight capacity of the CMA100 may be LIMITED to the lowest weight capacity of any other component located between the CMA100 and the projector/ display.

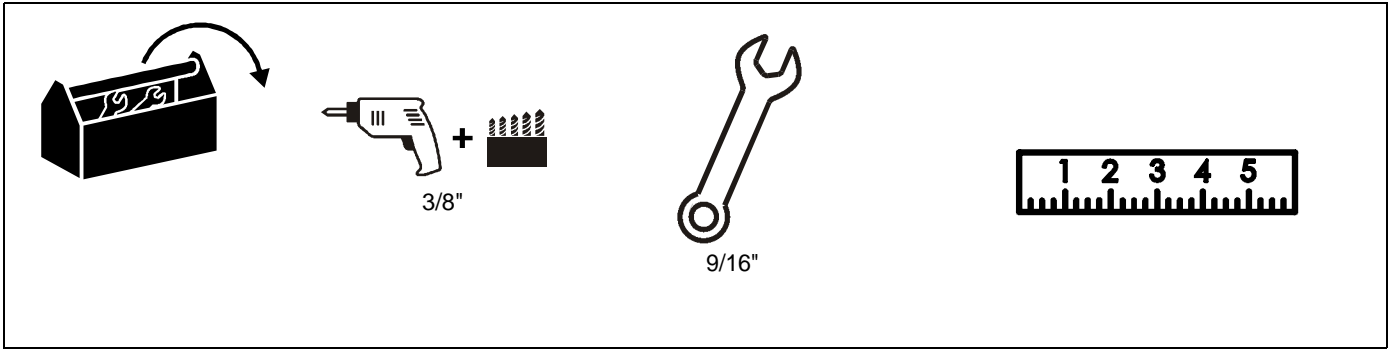
**DIMENSIONS**



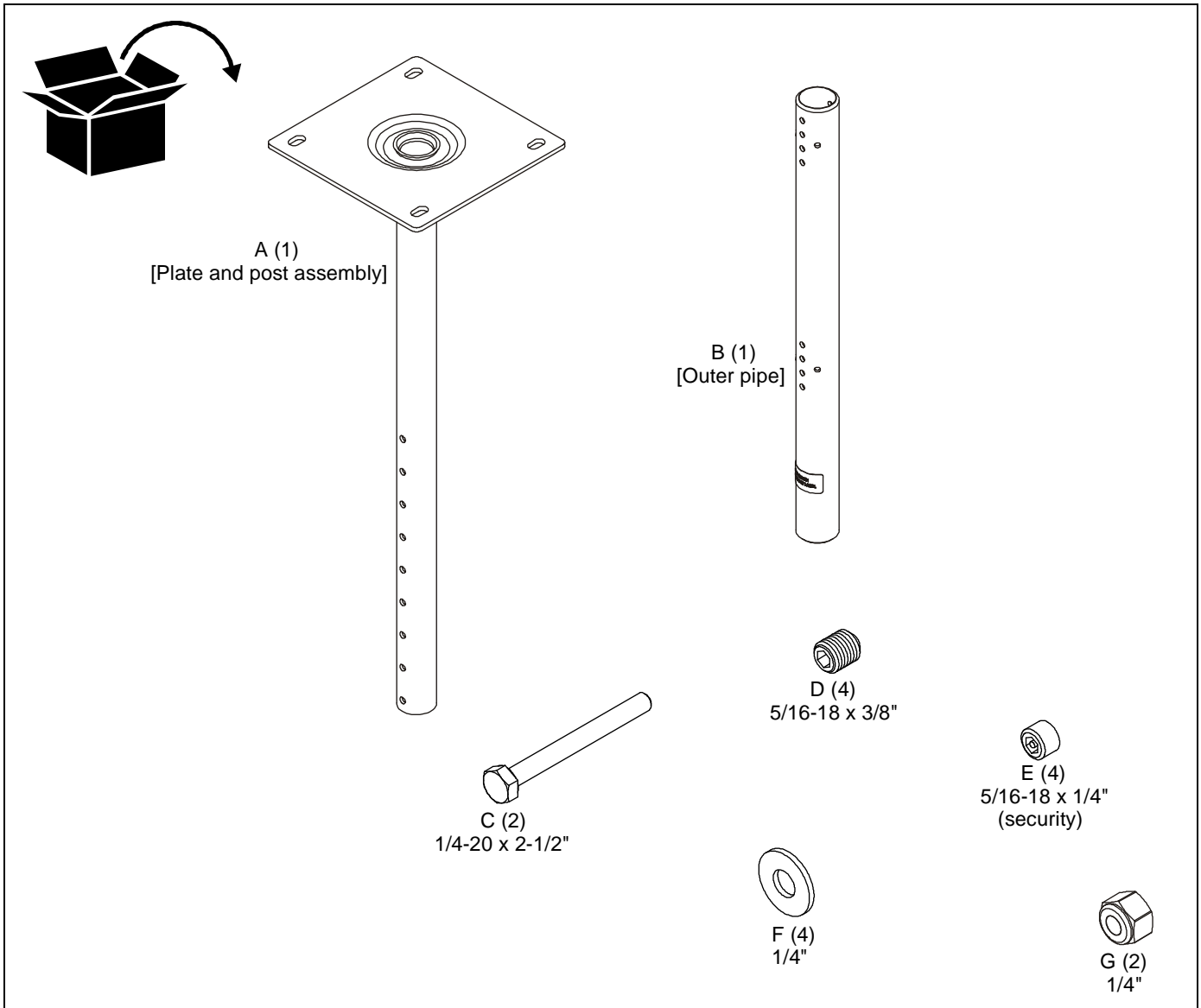
**LEGEND**

	<table border="1"> <thead> <tr> <th>Tighten Fastener</th> </tr> </thead> <tbody> <tr> <td>Apretar elemento de fijación</td> </tr> <tr> <td>Befestigungsteil festziehen</td> </tr> <tr> <td>Apertar fixador</td> </tr> <tr> <td>Serrare il fissaggio</td> </tr> <tr> <td>Bevestiging vastdraaien</td> </tr> <tr> <td>Serrez les fixations</td> </tr> </tbody> </table>	Tighten Fastener	Apretar elemento de fijación	Befestigungsteil festziehen	Apertar fixador	Serrare il fissaggio	Bevestiging vastdraaien	Serrez les fixations		<table border="1"> <thead> <tr> <th>Hex-Head Wrench</th> </tr> </thead> <tbody> <tr> <td>Llave de cabeza hexagonal</td> </tr> <tr> <td>Sechskantschlüssel</td> </tr> <tr> <td>Chave de cabeça sextavada</td> </tr> <tr> <td>Chiave esagonale</td> </tr> <tr> <td>Zeskantsleutel</td> </tr> <tr> <td>Clé à tête hexagonale</td> </tr> </tbody> </table>	Hex-Head Wrench	Llave de cabeza hexagonal	Sechskantschlüssel	Chave de cabeça sextavada	Chiave esagonale	Zeskantsleutel	Clé à tête hexagonale
Tighten Fastener																	
Apretar elemento de fijación																	
Befestigungsteil festziehen																	
Apertar fixador																	
Serrare il fissaggio																	
Bevestiging vastdraaien																	
Serrez les fixations																	
Hex-Head Wrench																	
Llave de cabeza hexagonal																	
Sechskantschlüssel																	
Chave de cabeça sextavada																	
Chiave esagonale																	
Zeskantsleutel																	
Clé à tête hexagonale																	
	<table border="1"> <thead> <tr> <th>Loosen Fastener</th> </tr> </thead> <tbody> <tr> <td>Aflojar elemento de fijación</td> </tr> <tr> <td>Befestigungsteil lösen</td> </tr> <tr> <td>Desapertar fixador</td> </tr> <tr> <td>Allentare il fissaggio</td> </tr> <tr> <td>Bevestiging losdraaien</td> </tr> <tr> <td>Desserrez les fixations</td> </tr> </tbody> </table>	Loosen Fastener	Aflojar elemento de fijación	Befestigungsteil lösen	Desapertar fixador	Allentare il fissaggio	Bevestiging losdraaien	Desserrez les fixations		<table border="1"> <thead> <tr> <th>Security Wrench</th> </tr> </thead> <tbody> <tr> <td>Llave de seguridad</td> </tr> <tr> <td>Sicherheitsschlüssel</td> </tr> <tr> <td>Chave de segurança</td> </tr> <tr> <td>Chiave di sicurezza</td> </tr> <tr> <td>Veiligheidsleutel</td> </tr> <tr> <td>Clé de sécurité</td> </tr> </tbody> </table>	Security Wrench	Llave de seguridad	Sicherheitsschlüssel	Chave de segurança	Chiave di sicurezza	Veiligheidsleutel	Clé de sécurité
Loosen Fastener																	
Aflojar elemento de fijación																	
Befestigungsteil lösen																	
Desapertar fixador																	
Allentare il fissaggio																	
Bevestiging losdraaien																	
Desserrez les fixations																	
Security Wrench																	
Llave de seguridad																	
Sicherheitsschlüssel																	
Chave de segurança																	
Chiave di sicurezza																	
Veiligheidsleutel																	
Clé de sécurité																	
	<table border="1"> <thead> <tr> <th>Open-Ended Wrench</th> </tr> </thead> <tbody> <tr> <td>Llave de boca</td> </tr> <tr> <td>Gabelschlüssel</td> </tr> <tr> <td>Chave de bocas</td> </tr> <tr> <td>Chiave a punte aperte</td> </tr> <tr> <td>Steeksleutel</td> </tr> <tr> <td>Clé à fourche</td> </tr> </tbody> </table>	Open-Ended Wrench	Llave de boca	Gabelschlüssel	Chave de bocas	Chiave a punte aperte	Steeksleutel	Clé à fourche									
Open-Ended Wrench																	
Llave de boca																	
Gabelschlüssel																	
Chave de bocas																	
Chiave a punte aperte																	
Steeksleutel																	
Clé à fourche																	

### TOOLS REQUIRED FOR INSTALLATION



### PARTS



## INSTALLATION AND ASSEMBLY

The CMA100 is designed for attachment to a 2" x 6" wood framework ceiling, a concrete ceiling or a suspended metal framing channel ceiling, and provides vertical adjustments in 3/4" increments.



**WARNING:** IMPROPER INSTALLATION CAN LEAD TO LIFT FALLING CAUSING SEVERE PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installer's responsibility to make certain the structure to which the mount is being attached is capable of supporting five times the weight of the CMA100 and all attached equipment. Reinforce the structure as required before installing the mount.

**NOTE:** The following instructions assume a suitable mounting structure and surface exists prior to installation.

### Installing to a Wood Framework (Joists)

1. Use 5/16-18" x 2-1/2" (minimum) Grade 2 lag screws (not provided) to secure CMA100 to the joists or wood framework, using the bolt holes noted. (See Figure 1)

**NOTE:** If using only two bolt holes for mounting, two opposing holes must be used.

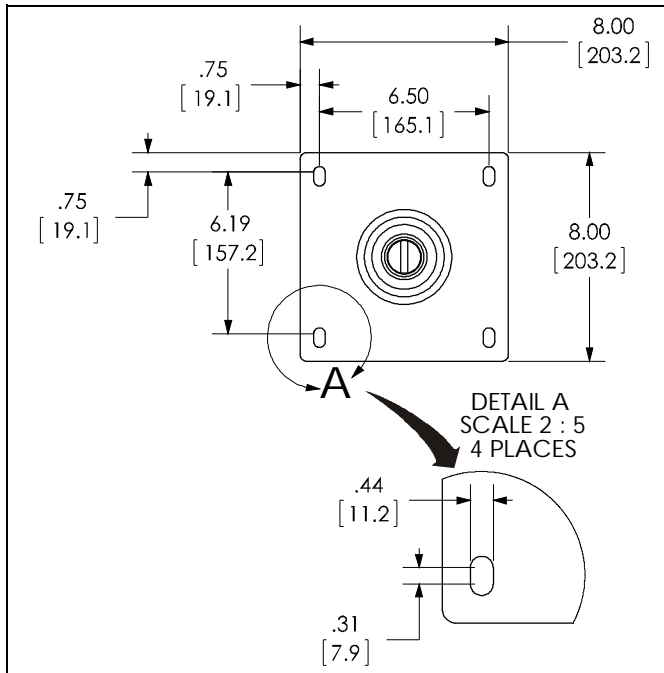


Figure 1

### Installing to a Suspended Ceiling

**NOTE:** The CMA100 may be suspended from four 3/8 in. diameter Grade 2 or better threaded rods (not provided) which are secured to a 1-5/8" x 1-5/8" 12ga metal framing channel (spanning a maximum of 5 feet--not provided) by Grade 2 or better 3/8" channel nuts (not provided).

1. Insert the rods into the four bolt holes in the CMA100. (See Figure 1)
2. Secure the threaded rods to the CMA100 with Grade 2 or better 3/8 in. jam nuts (not provided) and washers (one of each on inside and one of each on outside--not provided).

### Installing to a Solid Concrete Ceiling Structure



**WARNING:** Anchors (not provided) must be installed into structurally sound solid concrete. Installation into hollow concrete block, mortar, or concrete that exhibits cracking, spalling, or other defects may result in failure of anchor and serious personal injury or damage to equipment.

1. Use four 3/8" x 2-1/4" Grade 2 anchors (not provided) to secure CMA100 into solid concrete ceiling.
2. Place CMA100 over anchors, placing bolt holes in CMA100 over anchors.
3. Secure CMA100 to ceiling using four 3/8" Grade 2 flat washers (not provided) and four 3/8" Grade 2 nuts (not provided) tightened over anchors.

### Assembling CMA100

1. Slide the outer pipe (B) over the installed plate and post assembly (A).
2. Adjust the outer pipe (B) to the desired length.
3. Fasten outer pipe (B) to installed plate and post assembly (A) at desired length using two 1/4-20 x 2-1/2" hex head cap screws (C), four 1/4" washers (F) and two 1/4" locknuts (G). (See Figure 2)

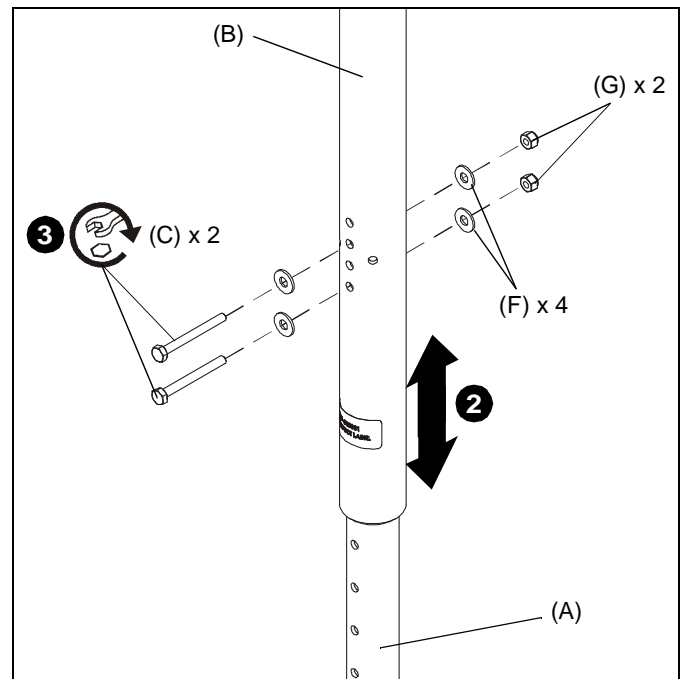
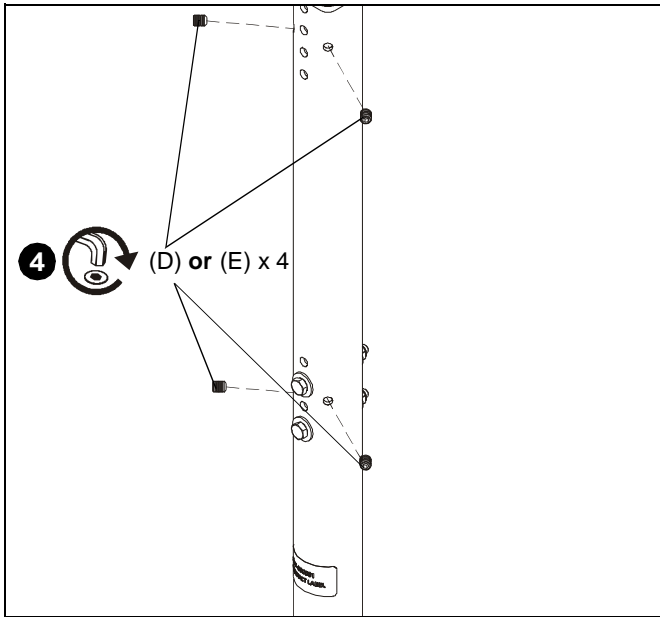


Figure 2

4. Install four 5/16-18 x 3/8" set screws (D) into offset holes near the bolt holes used in Step 3. (See Figure 3)

**NOTE:** Four 5/16-18 x 1/4" security set screws (E) may be used instead of the 5/16-18 x 3/8" set screws (D).



**Figure 3**

5. Install the ceiling mount and projector to the CMA100 using installation instructions included with the ceiling mount.





Our Mounts. **Your Vision.**

Chief Manufacturing, a products division  
of Milestone AV Technologies

8800-002091 Rev00  
©2011 Milestone AV Technologies, a  
Duchossois Group Company  
[www.chiefmfg.com](http://www.chiefmfg.com)  
06/11

<b>USA/International</b>	<b>A</b> 8401 Eagle Creek Parkway, Savage, MN 55378 <b>P</b> 800.582.6480 / 952.894.6280 <b>F</b> 877.894.6918 / 952.894.6918
<b>Europe</b>	<b>A</b> Fellenoord 130 5611 ZB EINDHOVEN, The Netherlands <b>P</b> +31 (0)40 2668620 <b>F</b> +31 (0)40 2668615
<b>Asia Pacific</b>	<b>A</b> Office No. 1 on 12/F, Shatin Galleria 18-24 Shan Mei Street Fotan, Shatin, Hong Kong <b>P</b> 852 2145 4099 <b>F</b> 852 2145 4477

