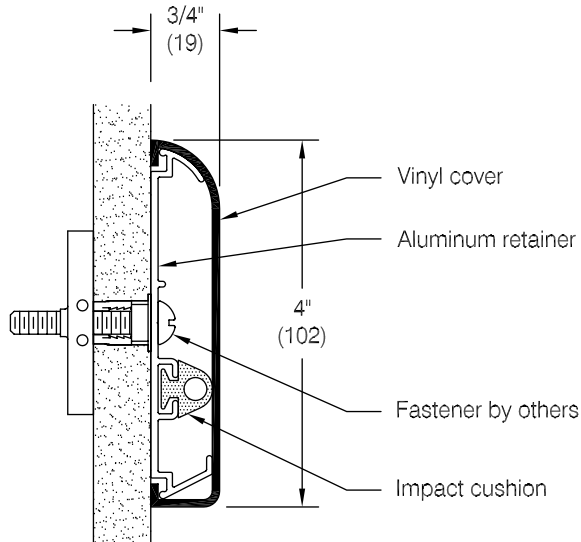
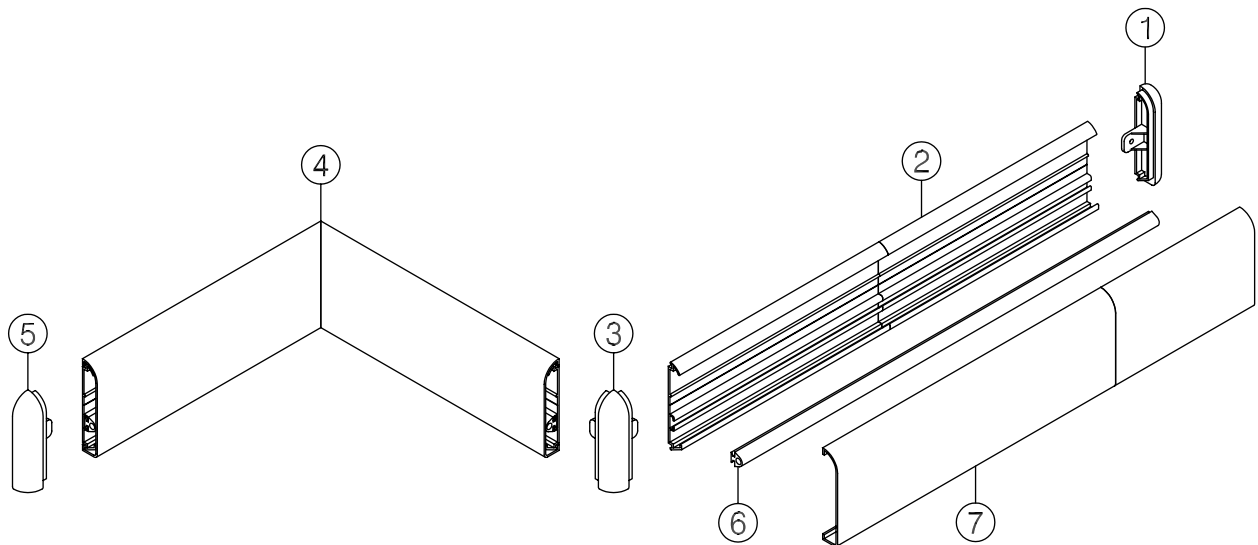


## WG-4 Series Wall Guards



This installation instruction is applicable to:

WG-4  
WGV-4



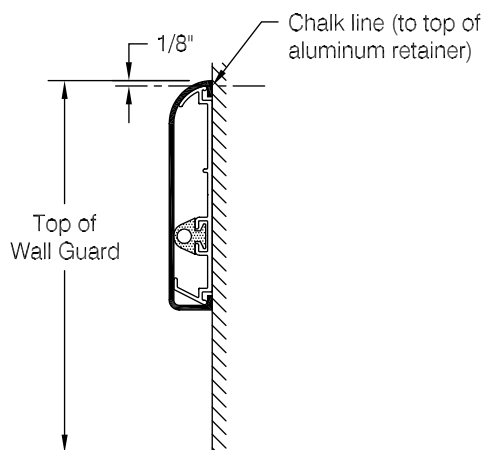
### Component Part Numbers:

- 1.) ECR-4 right end cap
- 2.) WGA-4 aluminum retainer
- 3.) OC-4 outside corner
- 4.) Mitered corner
- 5.) ECL-4 left end cap
- 6.) B-100 impact cushion
- 7.) Snap-on cover
  - WGV-4-12-XXX standard texture
  - WGVG-4-12-XXX grooved and textured

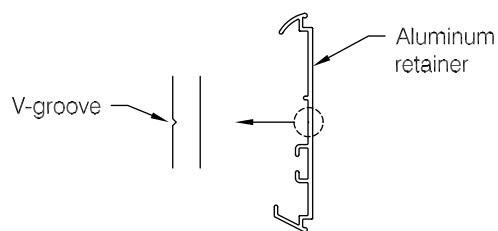
## WG-4 Wall Guard Installation Instructions

- Step 1:** Determine top of wall guard and snap a chalk line 1/8" below to locate top of aluminum retainer, see **fig 1**.
- Important:** Store material in a clean dry place where the temperature is maintained above 50°F (10°C). Walls and rooms should be maintained at a minimum of 65°F (18°C) for at least 48 hours prior to installation. Acclimate materials to normal building conditions for at least 24 hours before cutting and installing.
- Step 2:** Cut aluminum retainer. See **Cutting Adjustment Diagrams and Schedule** for adjustments to aluminum retainer length at end caps, inside corners, and outside corners. Refer to **Minimum Layout Configurations** for additional information. Aluminum should be mitered to accommodate outside corners that are not 90° and all inside corners.
- Important:** All cuts must be square and deburred.
- Step 3:** Pre-drill clearance holes for wall mounting in aluminum retainer along the V-Groove provided in the retainer, see **fig 2**. Use a #15 (.180") bit for #8 fastener or a #7 (.201") bit for #10 and 3/16" fasteners. Space holes at 32" on center. Adjust spacing to accommodate studs as necessary. Do not pre-drill at locations that will interfere with installation of molded accessories.
- Note:** Drill point fasteners may be used without pre-drilling aluminum on drywall installations having continuous metal backer or studs. Continue to pre-drill at locations where no backing or stud is available.
- Step 4:** Pre-drill for attachment of molded accessories by inserting accessory in end of retainer. Press firmly to ensure molded part is seated squarely against the aluminum.
- Drywall Installation:** Using the accessory as a template pre-drill clearance holes for mounting through to metal backer or stud or pre-drill pilot holes using #29 (.136") bit for #8 fastener or a #21 bit (.159") for #10 fastener for attaching accessories directly to aluminum, see **fig 3**.
- Masonry Installation:** Using the accessory as a template pre-drill clearance holes at mounting locations, see **fig 3**.
- Step 5:** Fasten aluminum retainer to wall using hardware listed below. Align top edge of retainer with chalk line.
- Important:** Begin installation of aluminum at corners allowing for molded accessories. Use the appropriate accessory as a spacing template. See **Cutting Adjustment Diagrams and Schedule** for additional information. Do not fasten through holes pre-drilled for installation of molded accessories until accessories are installed in **step 6**.
- Drywall Installation:** Fasten aluminum retainer to wall using hardware listed below. If it is necessary to install fasteners in locations where there is no metal backing or stud use pre-drilled aluminum as a template to mark and drill wall for Toggler® brand toggle bolts or plastic Alligator® insert in accordance with instructions provided with hardware.
- Masonry Installation:** Using the pre-drilled aluminum as a template, mark and drill the wall at all pre-drilled holes to accept plastic Alligator® insert or 3/16" Tapcon® or similar fastener. Drill in accordance with instructions provided with hardware.
- Suggested hardware :**
- Drywall with metal backing : #8 or #10 Drill point drywall screw or #8 or #10 drill point pan head or hex washer head sheet metal screw.
  - Drywall without stud or backing : Plastic Alligator® insert with #8 or #10 pan head or hex washer head sheet metal screw or 3/16" Toggler® brand toggle bolts with pan head machine screw.
  - Masonry : Plastic Alligator® insert with #8 or #10 pan head or hex washer head sheet metal screw or 3/16" hex washer head Tapcon®.
- Step 6:** Secure accessory components in place using hardware selected in **step 5**.
- Caution:** Use of a flat washer at accessory mounting tabs is recommended to prevent damage to molded part caused by excessive tightening of the fastener.
- Step 7:** Measure between accessories (corners and end caps) and cut the vinyl cover accordingly. The cover is not supplied with square cut ends. All ends must be cut square by installer. Miter cut the cover for all angles not accommodated by the molded accessories.
- Important:** All cuts must be square and deburred.
- Step 8:** Snap the vinyl cover in place.

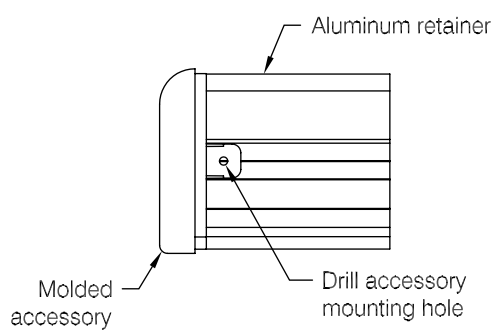
## WG-4 Series Wall Guard Installation Instructions



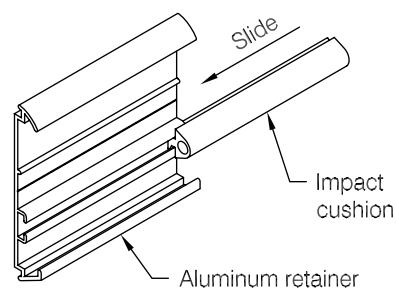
**fig 1**



**fig 2**

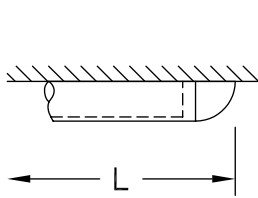


**fig 3**

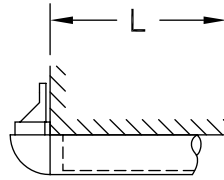


**fig 4**

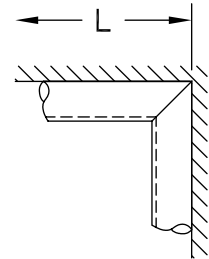
## Cutting Adjustment Diagrams and Schedule



End Cap



Outside Corner

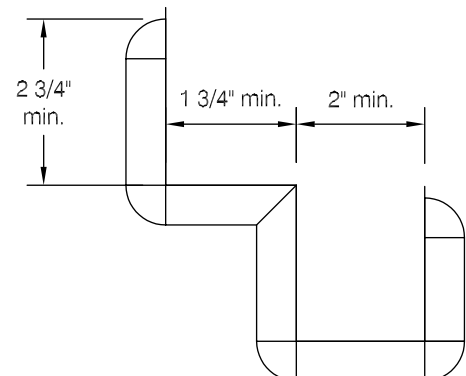
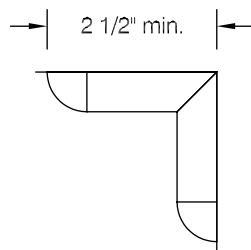
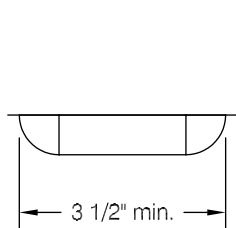


Inside Corner

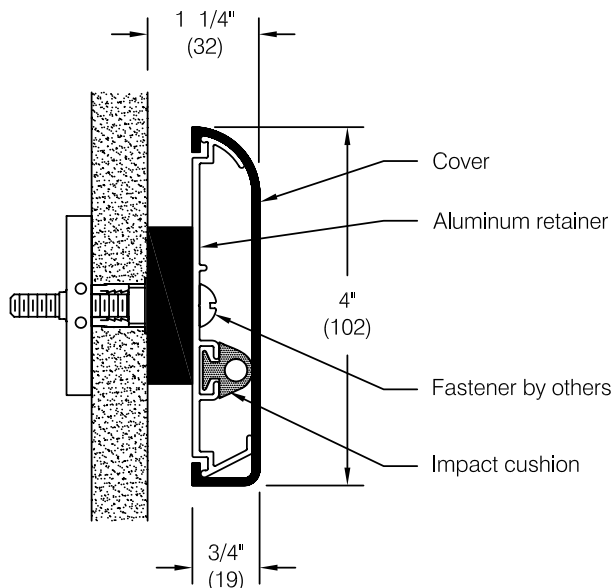
	Aluminum Retainer	Vinyl Cover
End Cap	L - 1"	L - 3/4"
Outside Corner	L - 1/4"	L - 0"
Inside Corner	L - 0" (field miter)	L - 0" (field miter)

Important: install aluminum retainer and molded accessories before cutting the snap-on cover.

## Minimum Layout Configurations

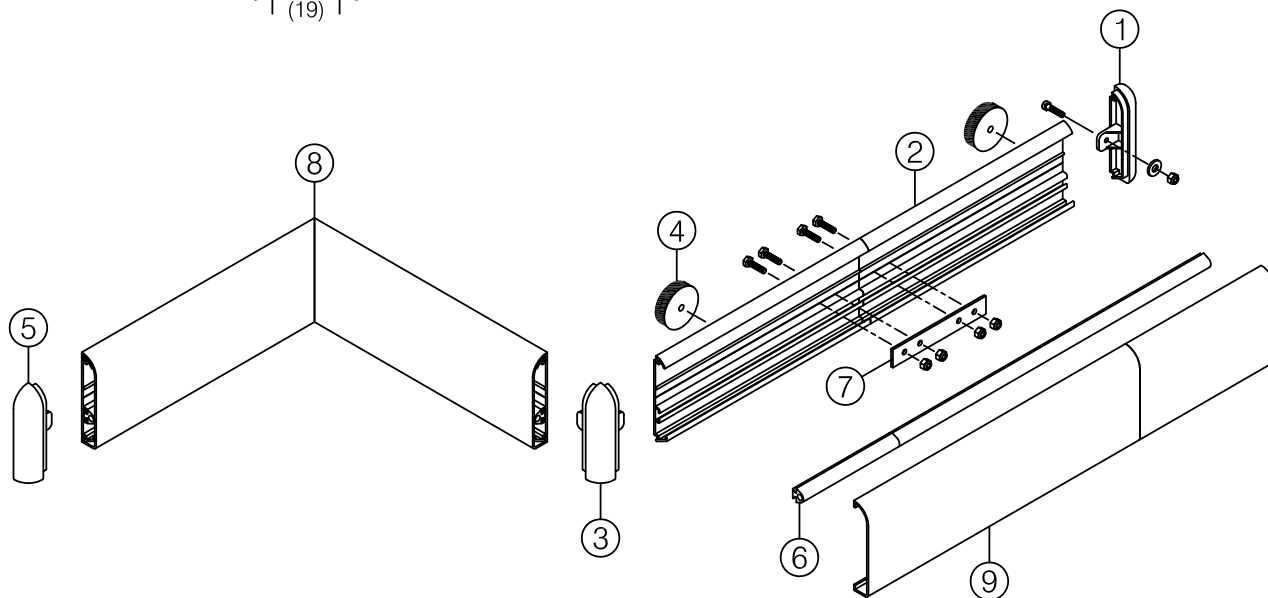


## WG-4EXT Series Wall Guards



This installation instruction  
is applicable to:

WG-4EXT  
WGG-4EXT



### Component Part Numbers:

- |                            |                                   |
|----------------------------|-----------------------------------|
| 1) ECR-4 Right end cap     | 6) B-100 Impact cushion           |
| 2) WGA-4 Aluminum retainer | 7) SPL-4 Splice                   |
| 3) OC-4 Outside corner     | 8) Field mitered inside corner    |
| 4) SP-22 Rubber spacer     | 9) Snap-on cover                  |
| 5) ECL-4 Left end cap      | WGV-4-12-XXX standard texture     |
|                            | WVG-4-12-XXX grooved and textured |

## WG-4EXT Wall Guard Installation Instructions

**Step 1:** Determine top of wall guard and snap a chalk line 2" below to locate centerline of mounting hardware, see **fig 1a**. A second chalk line may be snapped 1/8" below top of wall guard height as a visual reference for installation of aluminum retainer, see **fig 1b**.

**Important:** Store material in a clean dry place where the temperature is maintained between 50°F (10°C) and 100°F (38°C). Walls and rooms should be maintained at a minimum of 65°F (18°C) for at least 48 hours prior to installation. Acclimate materials to normal building conditions for at least 24 hours before cutting and installing.

**Step 2:** Cut aluminum retainer. See **Cutting Adjustment Diagrams and Schedule** for adjustments to aluminum retainer length at end caps, inside corners, and outside corners. Refer to **Minimum Layout Configurations** for additional information. Aluminum should be mitered to accommodate outside corners that are not 90° and all standard inside corners.

**Important:** All cuts must be square and deburred.

**Step 3:** Using the drill groove provided as a guide, pre-drill clearance holes to locate wall mount fasteners and rubber spacers along the centerline of the aluminum retainer, see **fig 2**. Drill using a #7 (.201") bit for #10 and 3/16" fasteners. See **step 7** and **fig 7b** for optional butt joint using wall mount fasteners and rubber spacers.

*Note:* Drill point fasteners may be used without pre-drilling aluminum on drywall installations having continuous metal backer or studs. Continue to pre-drill for masonry applications or where no backing or stud is available.

**Spacer mounting holes must be located:**

- Approximately 16" on center
- To avoid interference with accessory mounting hardware, see **fig 4**
- 2 5/8" to 4 1/2" on center from end caps, see **fig 3**
- 1/2" to 4 1/2" on center from inside corner miter joints, see **fig 3**
- 2 5/8" to 8" on center from outside corners, see **fig 3**
- To align with horizontal backer plate or vertical studs (metal or wood) in non-masonry wall construction

**Step 4:** Drill clearance holes for attachment of molded accessories by inserting accessory in end of retainer. Press firmly to ensure molded part is seated squarely against the aluminum. Drill through aluminum and existing hole in accessory mounting tab using a #7 bit, see **fig 4**. This will allow a #10 fastener to pass freely through the accessory and the retainer.

**Step 5:** Install flexible impact cushion by sliding it into opening provided in aluminum retainer, see **fig 5**.

**Step 6:** Secure accessory components in place using #10 hex head machine screws. The fastener must be installed with its head against the rearward surface of the aluminum retainer, see **fig 6**. Use a flat washer between nut and accessory mounting tab to prevent damage to molded parts.

**Step 7:** Install a splice plate centered over each butt joint. Match drill splice plate and retainer using a letter "H" or 5/16" bit. Deburr all holes and secure splice plate to retainer using 1/4" hex head machine screws, see **fig 7a**. An alternative splice joint may be accomplished by mounting to the wall with a rubber spacer on each side of the butt joint, see **fig 7b** and **step 8** for wall mount fastener information.

**Step 8:** Align retainer with chalk line, see **step 1**. Fasten aluminum retainer to wall using hardware listed below. Install rubber spacers behind the retainer with mounting hardware passing through the center hole.

**Important:** Begin installation of aluminum at corner conditions and work outward toward end caps.

**Drywall Installation:** Fasten retainer to wall using hardware listed below. To install fasteners in locations with no metal backing or stud use pre-drilled aluminum as a template to mark and drill wall for Toggler® brand toggle bolt or plastic Alligator® insert. Drill in accordance with hardware manufacturer instructions.

**Masonry Installation:** Using the pre-drilled aluminum as a template, mark and drill the wall at all pre-drilled holes to accept plastic Alligator® insert or 3/16" Tapcon® or similar fastener. Drill in accordance with hardware manufacturer instructions.

**Suggested hardware :**

- |                                   |  |
|-----------------------------------|--|
| • Drywall with metal backing      | : #10 Drill point drywall screw or #10 drill point pan head or hex washer head sheet metal screw.  |
| • Drywall without stud or backing | : Plastic Alligator® insert with #10 pan head or hex washer head sheet metal screw or 3/16" Toggler® brand toggle bolts with pan head machine screw. |
| • Masonry                         | : Plastic Alligator® insert with #10 pan head or hex washer head sheet metal screw or 3/16" hex washer head Tapcon®.                                 |

**Step 9:** Measure between accessories and cut snap-on cover accordingly. Miter cut the cover for all angles not accommodated by the molded accessories. Cut cover so that it will span aluminum retainer butt joints.

**Important:** All cuts must be square and deburred.

**Step 10:** Snap cover in place over aluminum retainer. Install cover to span butt joints in retainer.

## WG-4EXT Series Wall Guard Installation Instructions

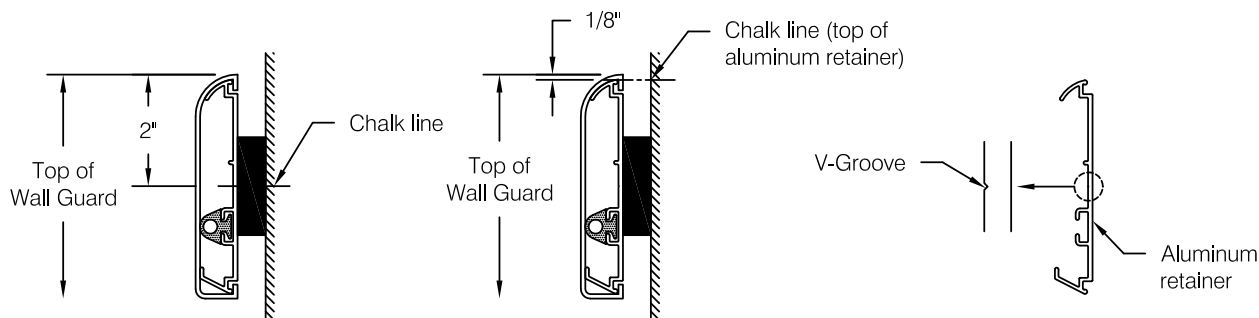


fig 1a

fig 1b

fig 2

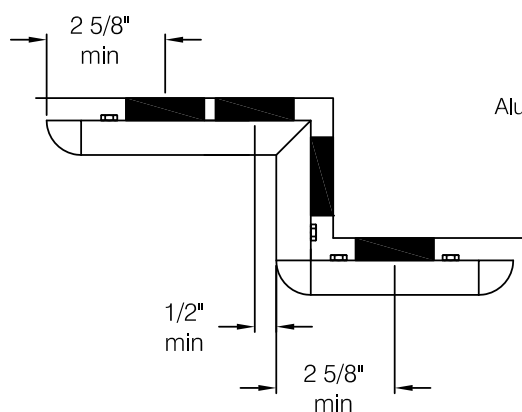


fig 3

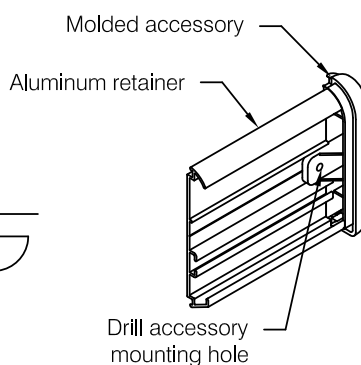


fig 4

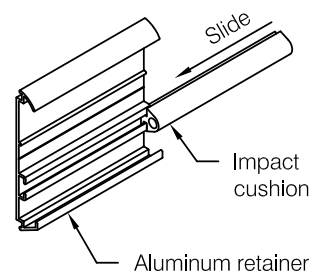


fig 5

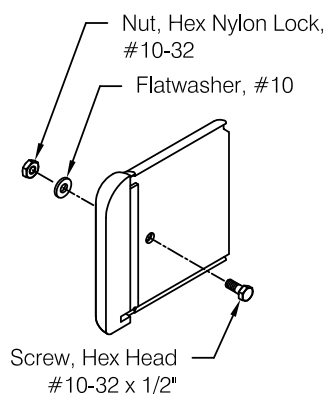


fig 6

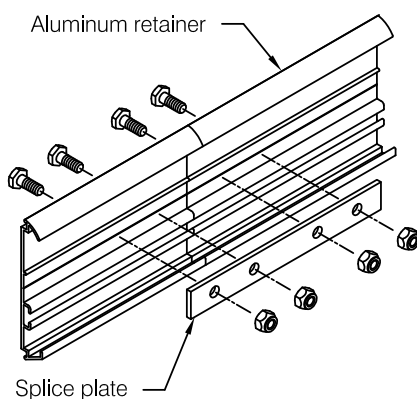


fig 7a

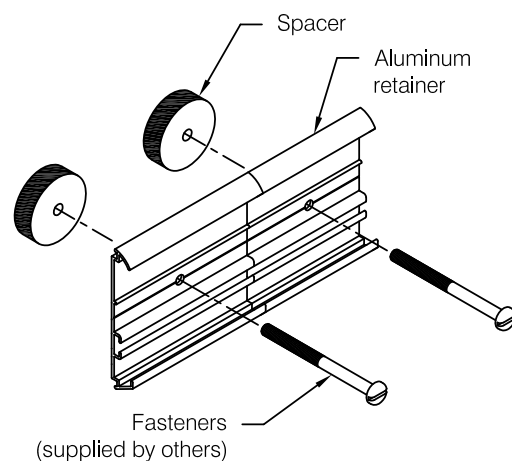
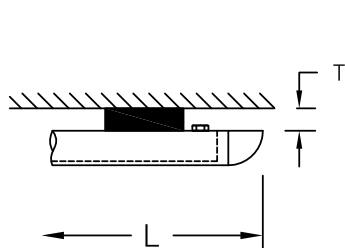
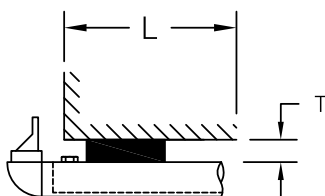


fig 7b

## Cutting Adjustment Diagrams and Schedule

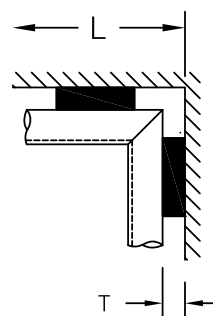


End Cap



\* T = spacer thickness

Outside Corner



Inside Corner

	Aluminum Retainer	Snap-on Cover
End Cap	$L - 1"$	$L - 3/4"$
Outside Corner	$L + T - 1/4"$	$L + T$
Inside Corner	$L - T$ (field miter)	$L - T$ (field miter)

Important: install aluminum retainer and molded accessories before cutting the snap-on cover.

## Minimum Layout Configurations

