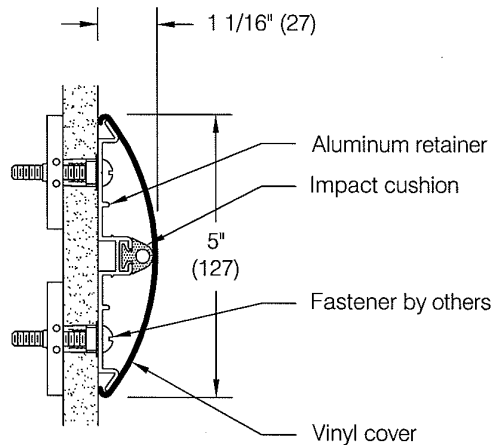
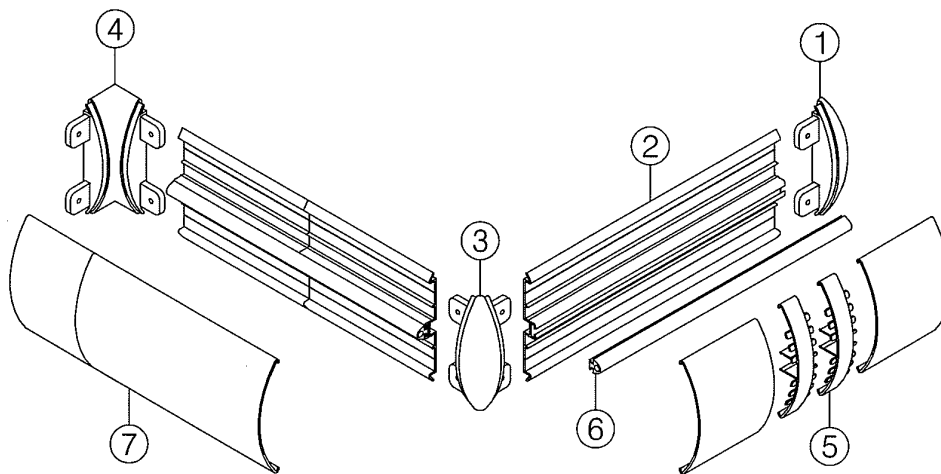


WG-5 Series Wall Guards



This installation instruction
is applicable to:

WG-5



Component Part Numbers:

- 1.) ETC-5 left/right end cap
- 2.) WGA-5 aluminum retainer
- 3.) OTC-5 outside corner
- 4.) ITC-5 inside corner
- 5.) ACC-5 vertical accent (optional)
- 6.) B-100 impact cushion
- 7.) WGV-5 vinyl cover

WG-5 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 all inside corners and outside corners that are not 90°.
- Important:** All cuts must be square and deburred.
- Step 3:** Pre-drill clearance holes in aluminum retainer along V-Grooves provided using a #15 (.180") bit for #8 fastener or a #7 (.201") bit for #10 and 3/16" fasteners, see **fig 2**. Stagger mounting holes between upper and lower V-Grooves 16" on center such that fasteners are 32" on center along each groove. If necessary adjust spacing to accommodate studs. 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 (.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:** Install B-100-0-1 impact cushion by sliding it into opening provided in aluminum retainer, see **fig 4**.
- Step 6:** 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 7**.
- 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 7:** Secure accessory components in place using hardware selected in **step 6**.
- 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 8:** If optional ACC-5 vertical accents are being used snap fit them on aluminum retainer in locations desired. If accents are being used side-by-side slide them together after they are snapped in place so that the interlocking teeth pass under the next accent in sequence. The teeth will interlock properly only when all accents are aligned the same way, see **fig 5**.
- Step 9:** Measure between accessories, including optional vertical accents where used and cut the WGV-5 vinyl cover accordingly. Miter cut the WGV-5 for all angles not accommodated by the molded accessories.
- Important:** All WGV-5 cuts must be square and deburred.
- Step 10:** Snap the WGV-5 cover in place.

WG-5 Series Wall Guard Installation Instructions

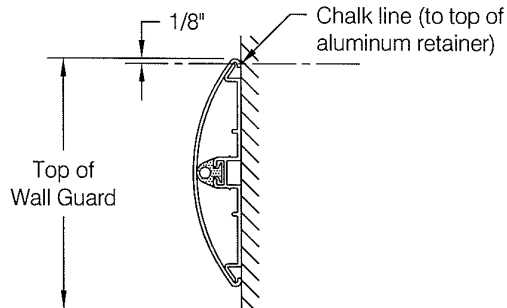


fig 1

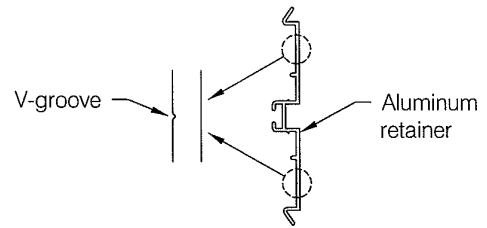


fig 2

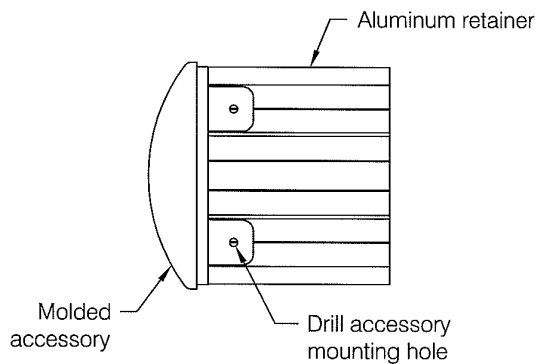


fig 3

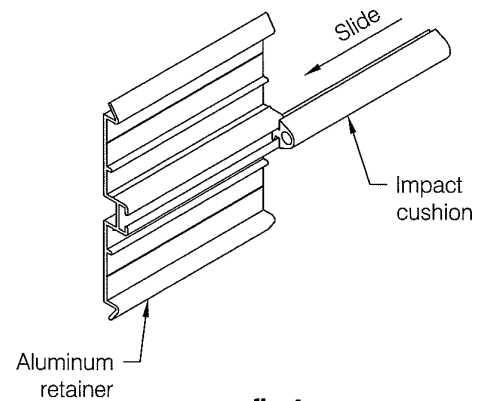


fig 4

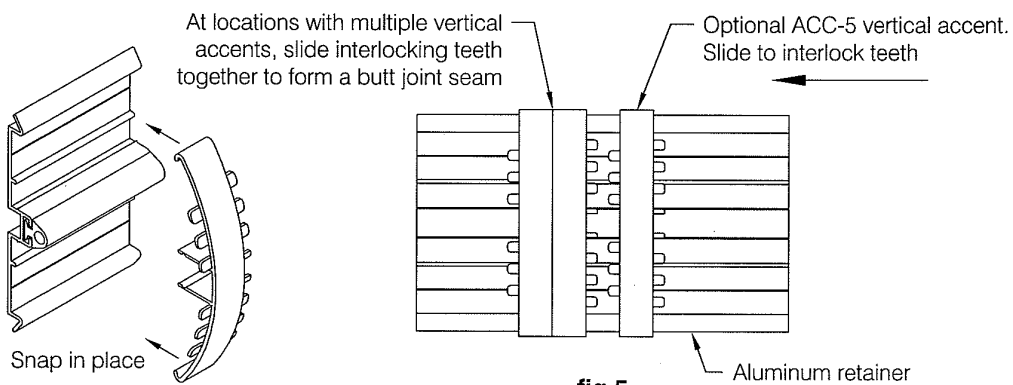
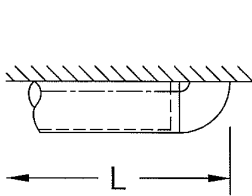
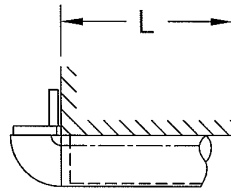


fig 5

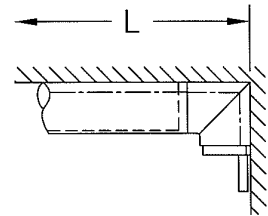
Cutting Adjustment Diagrams and Schedule



End Cap



Outside Corner

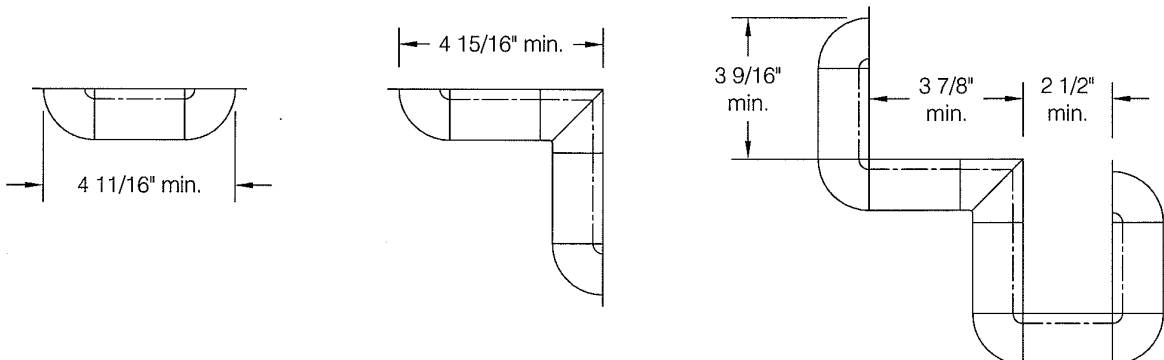


Inside Corner

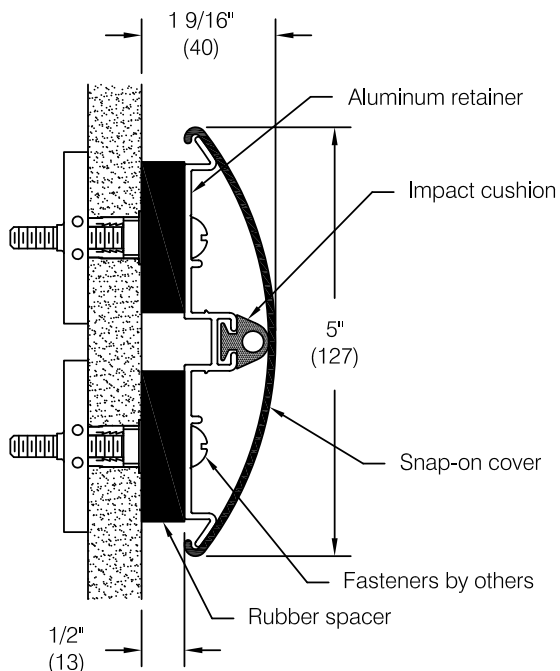
	Aluminum Retainer	Vinyl Cover
End Cap	L - 1 5/16"	L - 1 1/16"
Outside Corner	L - 1/4"	L - 0"
Inside Corner	L - 1 5/8"	L - 1 3/8"

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

Minimum Layout Configurations

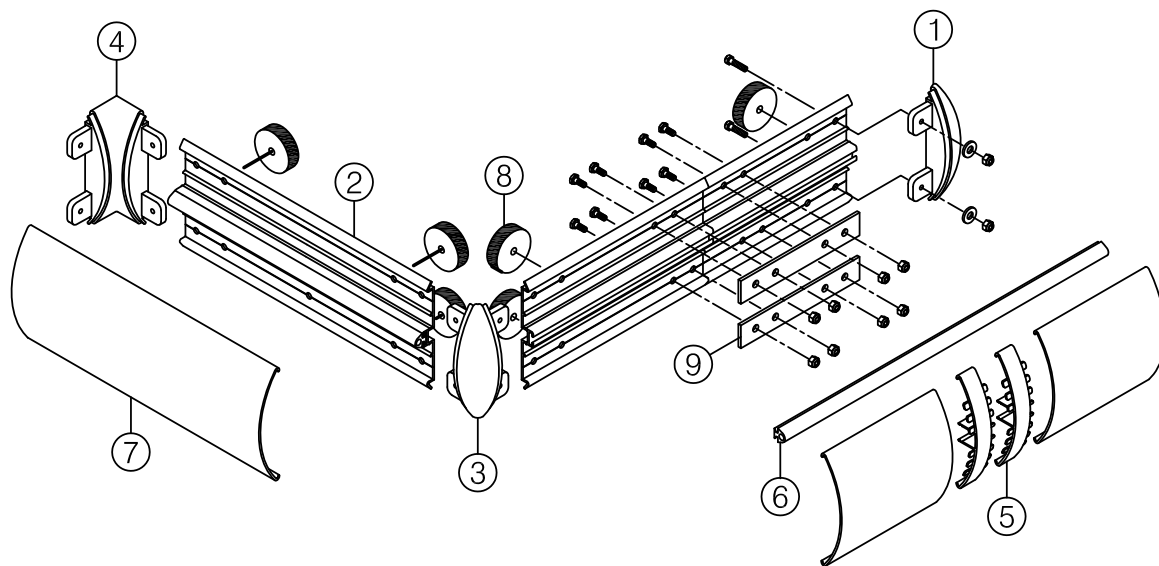


WG-5EXT Series Wall Guard



This installation instruction
is applicable to:

WG-5EXT



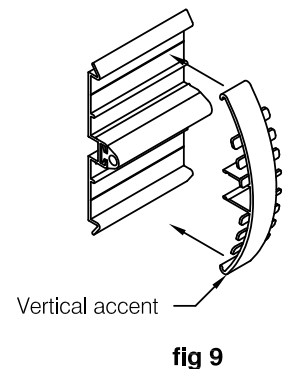
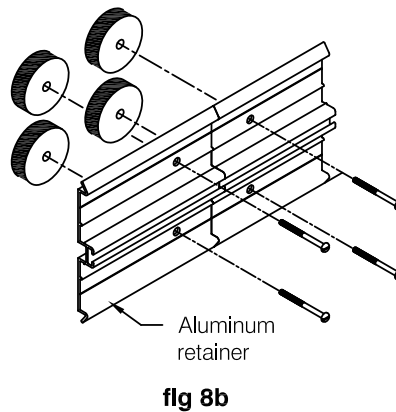
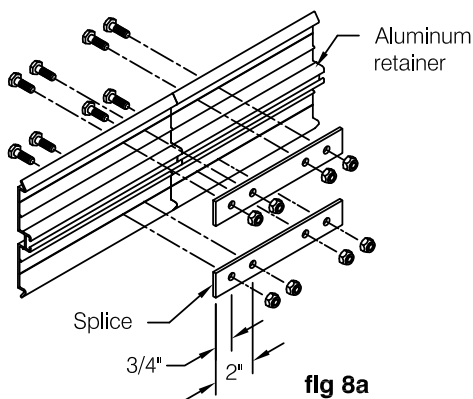
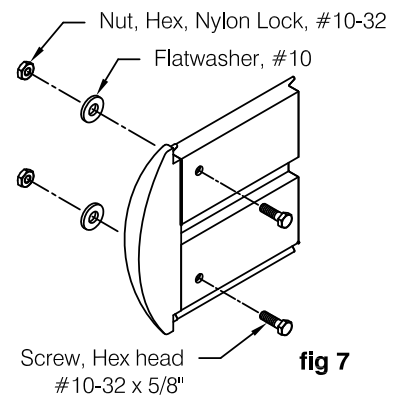
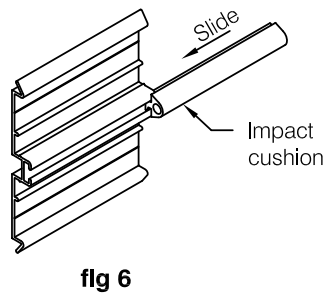
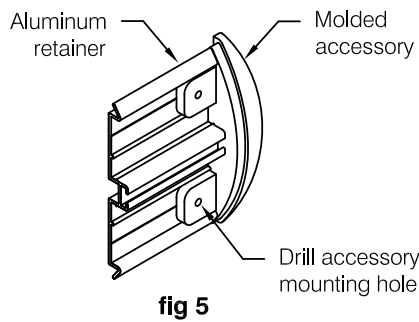
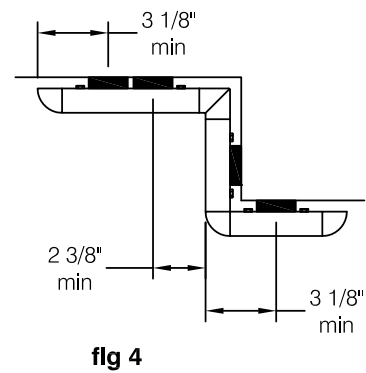
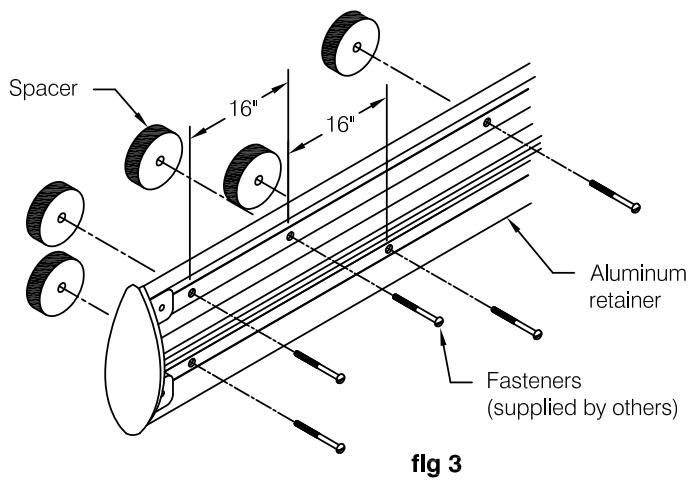
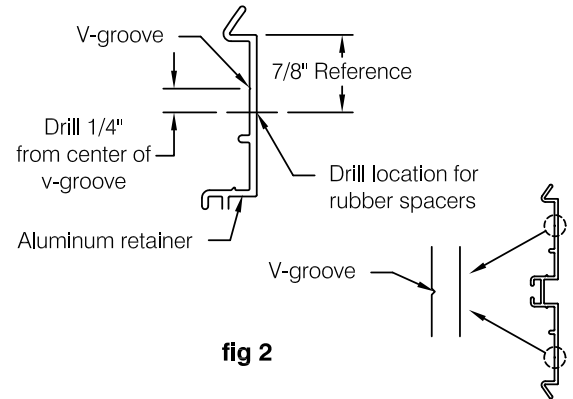
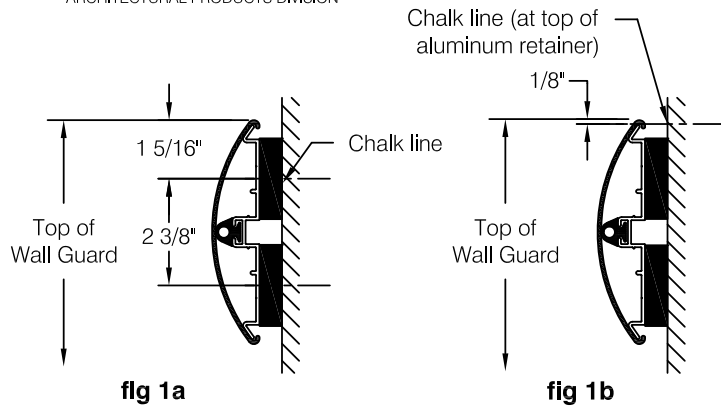
Component Part Numbers:

- | | |
|-----------------------------|-------------------------------------|
| 1) ETC-5 Left/right end cap | 5) ACC-5 Vertical accent (optional) |
| 2) WGA-5 Aluminum retainer | 6) B-100 Impact cushion |
| 3) OTC-5 Outside corner | 7) WGV-5 Snap-on cover |
| 4) ITC-5 Inside corner | 8) SP-22 Rubber spacer |
| | 9) SPL-5EXT Splice |

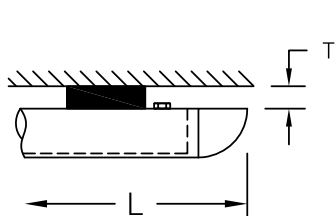
WG-5EXT Wall Guard Installation Instructions

- Step 1:** Determine top of wall guard and snap a chalk line 1 5/16" below to locate centerline of upper mounting hardware. Snap a second chalk line 2 7/16" below the first line to locate centerline of lower mounting hardware, see **fig 1a**. A third 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. Outside corners that are not 90° should be accomplished using an end cap on each side of the corner. Inside corners may be done using this method or by field miter. Make adjustments to aluminum length accordingly.
- Important:** All cuts must be square and deburred.
- Step 3:** Pre-drill clearance holes to locate wall mount fasteners and rubber spacers 1/4" in from upper and lower V-Grooves, see **fig 2**. Stagger holes above and below the centerline of the profile approximately 16" on center, see **fig 3**. Drill for an additional spacer where aluminum terminates at molded accessories and at minimum layout configurations, see **fig 3** and **fig 4**. Drill using a #7 (.201") bit for #10 and 3/16" fasteners. See **step 7** and **fig 8b** 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:**
- To avoid interference with accessory mounting hardware, see **fig 4**
 - 3 1/8" to 4 1/2" on center from end caps, see **fig 4**
 - 2 3/8" to 4 1/2" on center from inside corners, see **fig 4**
 - 3 1/8" to 8" on center from outside corners, see **fig 4**
 - 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 5**. 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 6**.
- 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 7**. 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 #7 bit. Deburr all holes and secure splice plate to retainer using #10 hex head machine screws, see **fig 8a**. An alternative splice joint may be accomplished by mounting to the wall with two rubber spacers on each side of the butt joint, see **fig 8b** 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:** If optional vertical accents are being used snap fit them on aluminum retainer in locations desired. If accents are being used side-by-side slide them together after they are snapped in place so the interlocking teeth pass under the next accent in sequence. The teeth will interlock properly only when all accents are aligned the same way, see **fig 9**.
- Step 10:** Measure between textured surface of accessories including optional vertical accents where used and cut the 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 11:** Snap cover in place over aluminum retainer. Install cover to span butt joints in retainer.

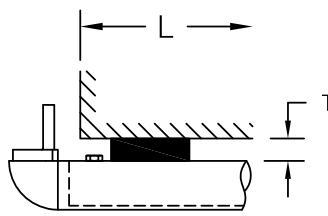
WG-5EXT Series Wall Guard Installation Instructions



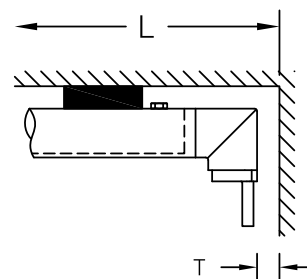
Cutting Adjustment Diagrams and Schedule



End Cap



Outside Corner



Inside Corner

* T = spacer thickness

	Aluminum Retainer	Snap-on Cover
End Cap	$L - 1 \frac{5}{16}"$	$L - 1 \frac{1}{16}"$
Outside Corner	$L + T - \frac{1}{4}"$	$L + T$
Inside Corner	$L - 1 \frac{5}{8}" - T$	$L - 1 \frac{3}{8}" - T$

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

Minimum Layout Configurations

