Installation Instructions
AL-84906 Wall Guard

ALCO®
Sales & Service Co.

Please read all instructions before installing Wall Guard.

Important

1. Acclimate materials 24 hrs before installation. Maintain temperature controlled environment after installation.
2. Install in accordance with manufacturer's installation instructions. Failure to do so will void the warranty.
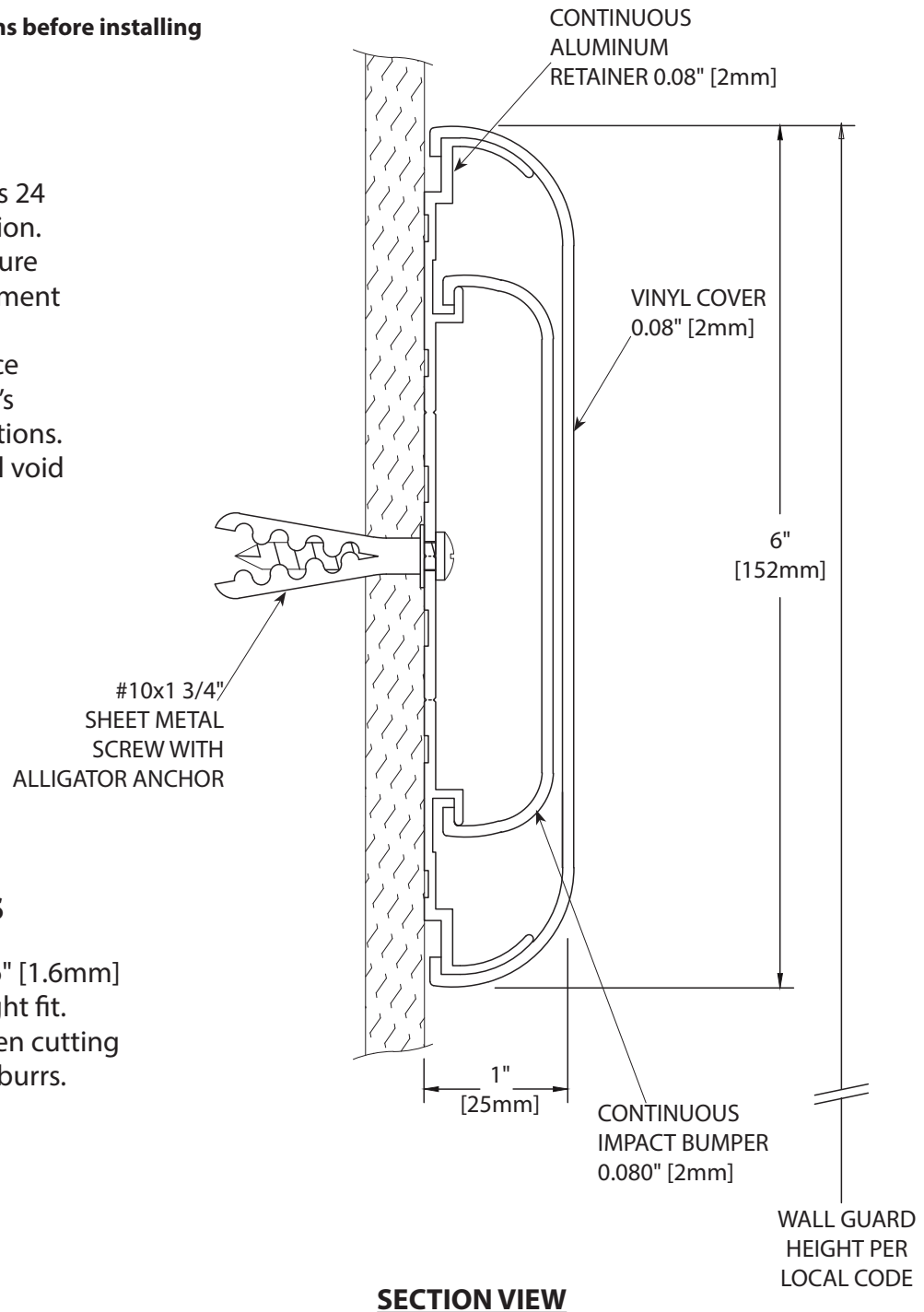
Installation tips

1. Cut covers up to 1/16" [1.6mm] longer to ensure a tight fit.
2. Lubricate blades when cutting aluminum to reduce burrs.

CONTINUOUS ALUMINUM RETAINER 0.08" [2mm]

VINYL COVER 0.08" [2mm]

6" [152mm]

#10x1 3/4" SHEET METAL SCREW WITH ALLIGATOR ANCHOR

1" [25mm]

CONTINUOUS IMPACT BUMPER 0.080" [2mm]

WALL GUARD HEIGHT PER LOCAL CODE

SECTION VIEW

RECOMMENDED TOOLS
Safety Glasses, Tape Measure, Power Drill, Drill Bits - 1/4" masonry (concrete/concrete block), Power Miter Saw, 1O" Blade with 60-80 Carbide Tipped Teeth
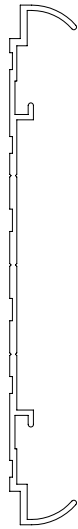
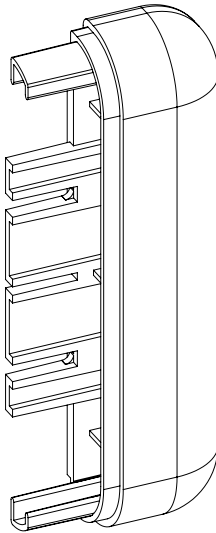# Installation Instructions

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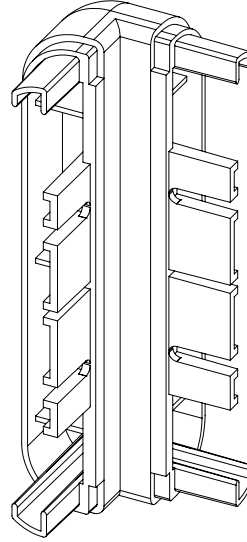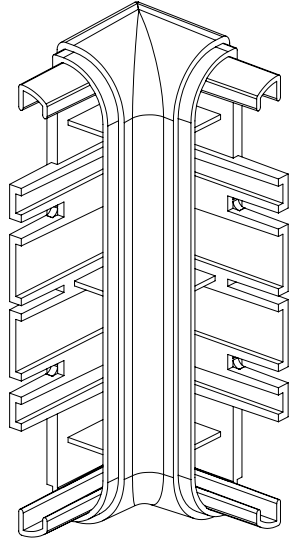
Components and Fasteners

VINYL COVER

CONTINUOUS
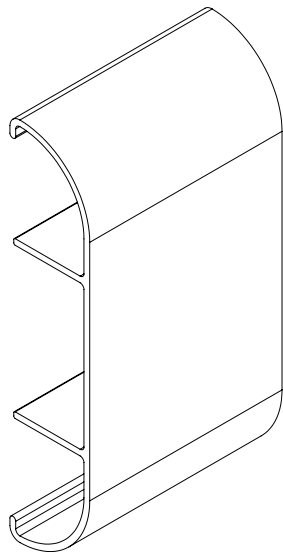ALUMINUM RETAINER

AL-84907
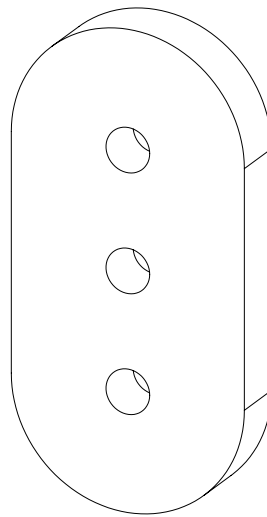END CAP

AL-84908A
OUTSIDE CORNER

AL-84908C
INSIDE CORNER

VINYL IMPACT
BUMPER

AL-84898
ALUMINUM SPLICE

AL-84899
RUBBER SPACER
1/2" THICK
(OPTIONAL)
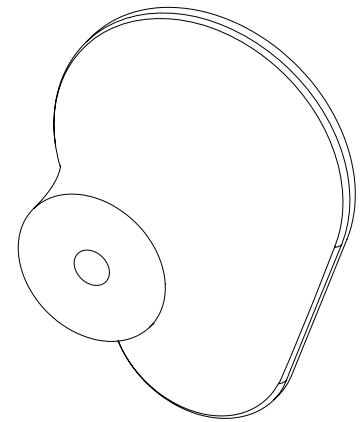
AL-84794
INJECTION MOLDED
BRACKET
(OPTIONAL)

Fasteners

Wall Condition	Specified Fasteners
Wall Guard Profile Hardware	#10 1 3/4" Phillips pan head sheet metal screw with alligator anchor
Concrete Hardware for Corners	#10 1 3/4" Phillips pan head sheet metal screw with alligator anchor
Drywall Hardware for Corners	#8 x 1 1/2" Phillips Indented Hex Washer Self-Drilling Screw #2PT ZP

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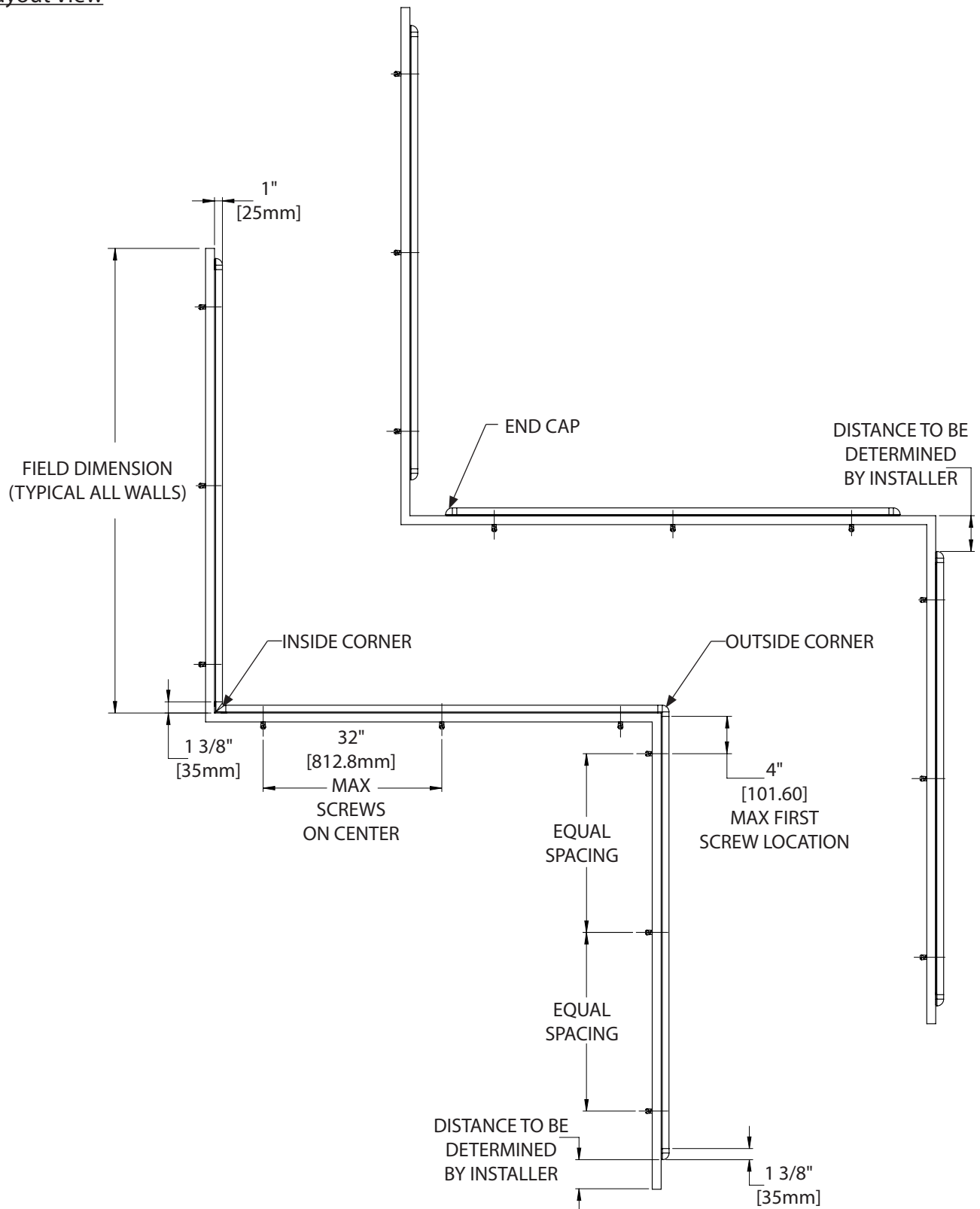
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Layout View

1"
[25mm]

END CAP

DISTANCE TO BE
DETERMINED
BY INSTALLER

FIELD DIMENSION
(TYPICAL ALL WALLS)

INSIDE CORNER

OUTSIDE CORNER

1 3/8"
[35mm]

32"
[812.8mm]
MAX
SCREWS
ON CENTER

4"
[101.60]
MAX FIRST
SCREW LOCATION

EQUAL
SPACING

EQUAL
SPACING

DISTANCE TO BE
DETERMINED
BY INSTALLER

1 3/8"
[35mm]

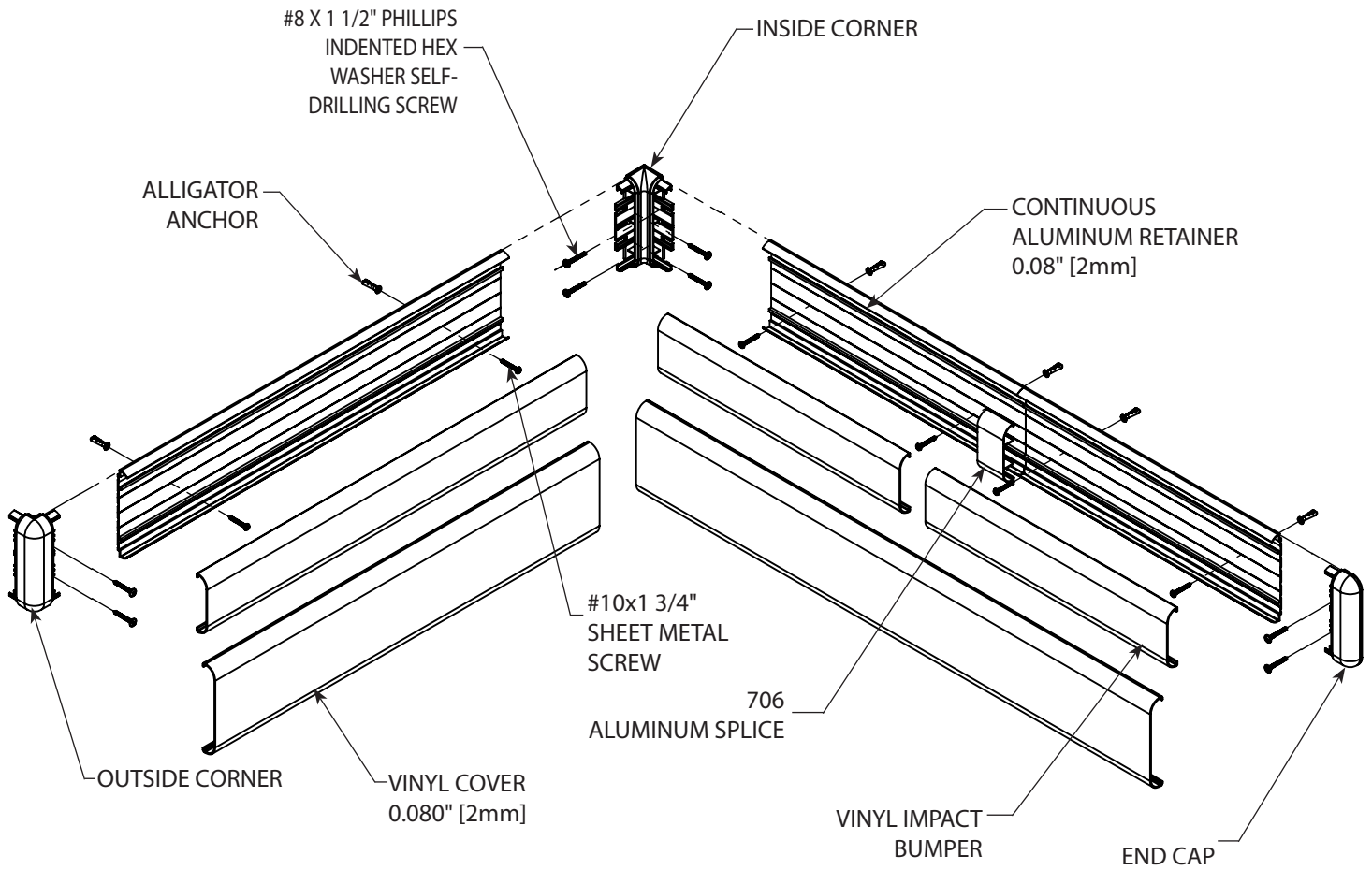# Installation Instructions

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Exploded Assembly View

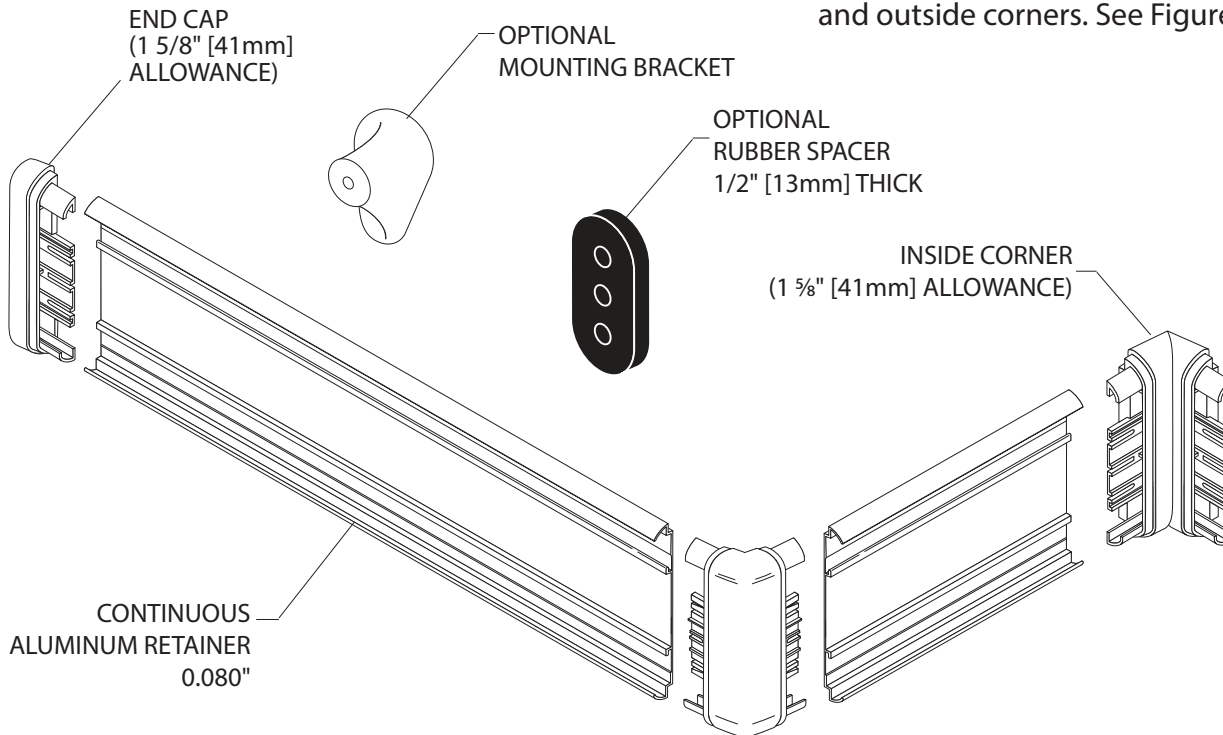#8 X 1 1/2" PHILLIPS INDENTED HEX WASHER SELF-DRILLING SCREW

INSIDE CORNER

ALLIGATOR ANCHOR

CONTINUOUS ALUMINUM RETAINER 0.08" [2mm]

#10x1 3/4" SHEET METAL SCREW

706 ALUMINUM SPLICE

OUTSIDE CORNER

VINYL COVER 0.080" [2mm]

VINYL IMPACT BUMPER

END CAP

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FIG. 1

END CAP
(1 5/8" [41mm] ALLOWANCE)

OPTIONAL MOUNTING BRACKET

OPTIONAL RUBBER SPACER
1/2" [13mm] THICK

INSIDE CORNER
(1 ⅝" [41mm] ALLOWANCE)

CONTINUOUS ALUMINUM RETAINER
0.080"

OUTSIDE CORNER
(9/16" [14mm] ALLOWANCE)

1. Cut aluminum retainer to desired length, leaving allowance for end caps, inside corner and outside corners. See Figure 1.

FIG. 2

DRILL 4" FROM EACH END FOR ANCHORS

SPACE REMAINING HOLES EVENLY OVER 12' LENGTH

TOTAL OF 6 ANCHORS PER 12' LENGTH
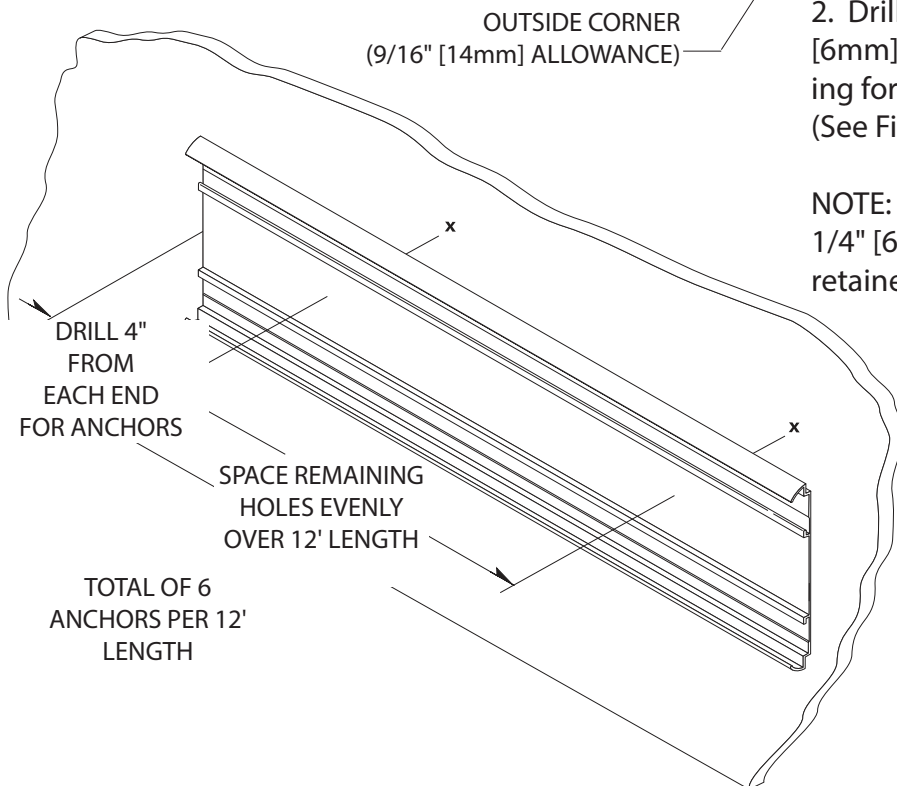
2. Drill holes in centerline of retainer using 1/4" [6mm] drill bit. Position retainer on wall allowing for end caps/corners. Level and mark holes. (See Figure 2.)
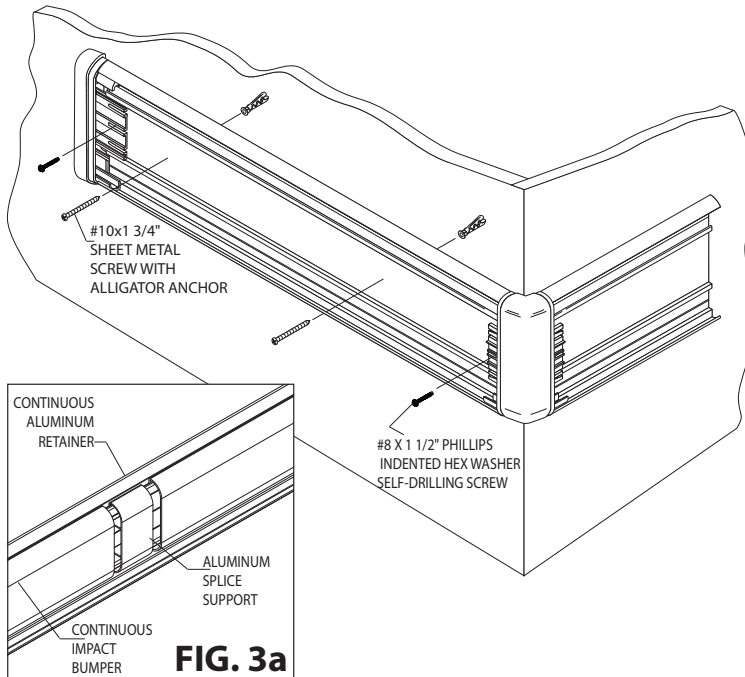
NOTE: For concrete or brick wall installation, drill 1/4" [6mm] holes, 3/8" [10mm] from each end of retainer for end caps/corners.

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FIG. 3

#10x1 3/4"
SHEET METAL
SCREW WITH
ALLIGATOR ANCHOR

CONTINUOUS
ALUMINUM
RETAINER

#8 X 1 1/2" PHILLIPS
INDENTED HEX WASHER
SELF-DRILLING SCREW

ALUMINUM
SPLICE
SUPPORT

CONTINUOUS
IMPACT
BUMPER

FIG. 3a

3. Drill marked holes on wall using a 1/4" [6mm] drill bit and position Alligator anchors into holes. Mount retainer on wall and tighten screws to secure. Slide end caps and corners onto the retainer and secure, leaving a 1/16" [1.5mm] gap between returns/corners and retainer to allow for adjustment. (See Figure 3.)

With lengths over 12' [3658mm], an aluminum splice support is recommended behind vinyl butt joints for added support. Snap aluminum support on the aluminum retainer behind the vinyl cover butt joint. (See Figure 3a.)

NOTE: For concrete or brick wall installation, use #10 x 13/4" [5 x 44mm] Phillips pan head screws to secure end caps and corners.
NOTE: If rubber spacers are used, attach them behind the retainer at all mounting hole locations, including those for end caps and corners.
NOTE: If brackets are used, use a 3/4" [19mm] drill bit for toggle wings or a 1/2" [13mm] drill bit for lead anchors to drill the marked holes on the wall. Attach end caps and corners with 5/8" [16] hex bolt assembly.

FIG. 4

VINYL COVER 0.080"

CONTINUOUS
IMPACT BUMPER
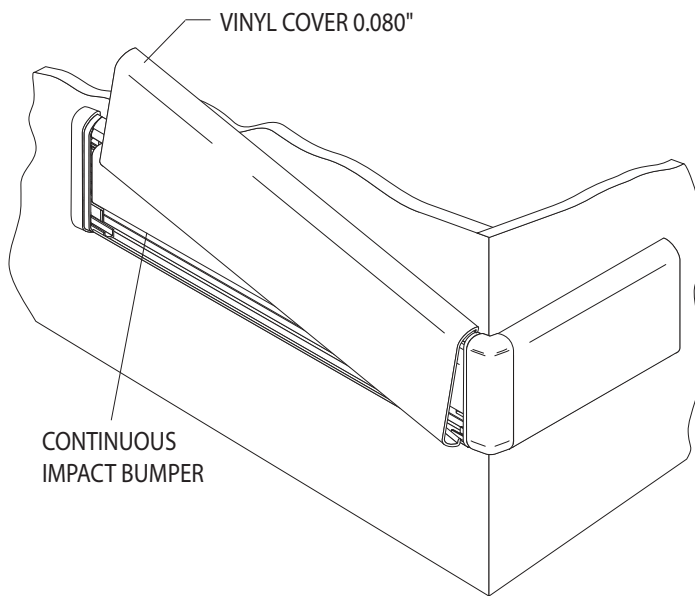
4. Cut the impact bumper to the length between the inside edge of the end caps/corners. Position and snap bumper in place. Cut the cover to length between end caps and/or corners. (Note: Trim factory edges square before installation). Position cover on retainer and adjust returns and/or corners for a tight fit. Push cover over the retainer until it snaps into place. (See Figure 4.)