

# Installation Instructions

## CR12/G2 BioBlend®-CR12 Wood Chair Rail, With Insert - Pre-assembled Length

Please read all instructions before installing.

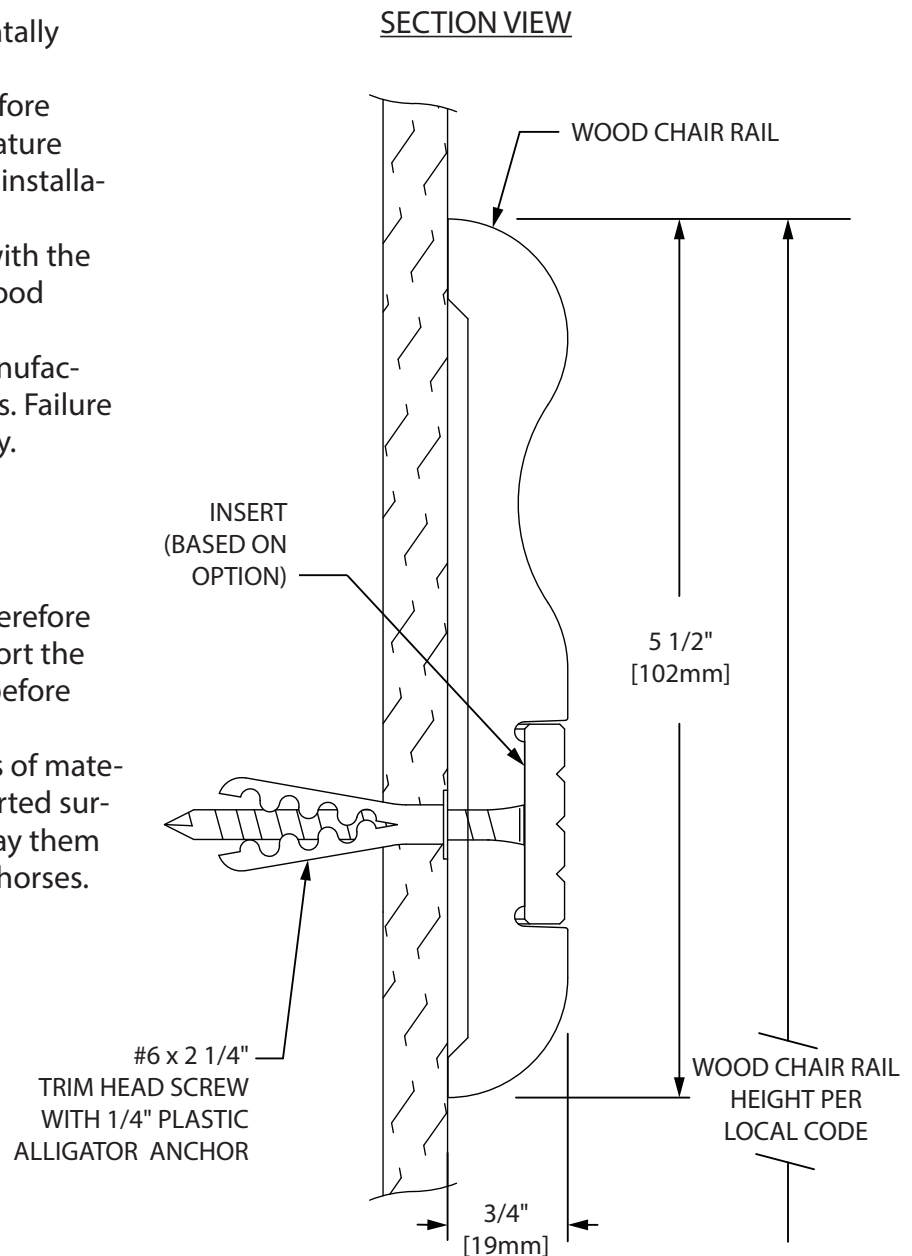
Material must be stored, installed and used in environmentally controlled conditions.

### Important

1. Install product in environmentally controlled conditions.
2. Acclimate materials 24 hrs before installation. Maintain temperature controlled environment after installation.
3. Installers should be familiar with the installation of fine finished wood products.
4. Install in accordance with manufacturer's installation instructions. Failure to do so will void the warranty.

### Installation tips

1. Wood is a natural material, therefore component color may vary. Sort the parts by color (light to dark) before use.
2. When storing straight lengths of material, lay product flat on supported surface. Do not lean the rails or lay them on unsupported parallel saw horses.



### RECOMMENDED TOOLS

Safety Glasses, Tape Measure, Level, Chalk Line, Power Drill, Drill Bits - 1/4" masonry (concrete/concrete block), Power nailer, socket or hex drive set, and a Phillips head screwdriver.

IPC.1190/REV.2

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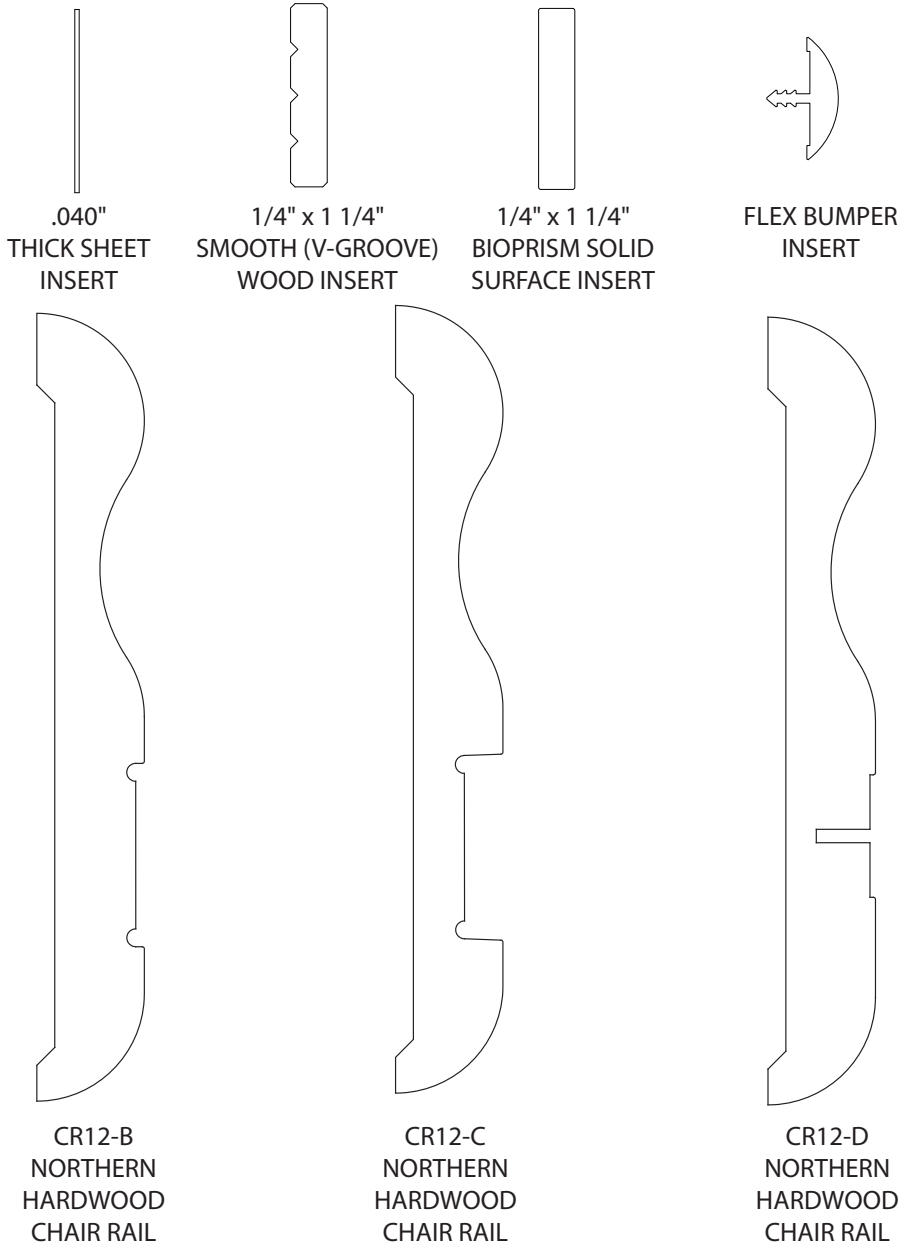
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### Components



### Fasteners

Wall Condition	Specified Fasteners	Inpro part #
Gypsum Wall	#6 x 2 1/4" Trim Head Screw with Alligator Anchor	N/A

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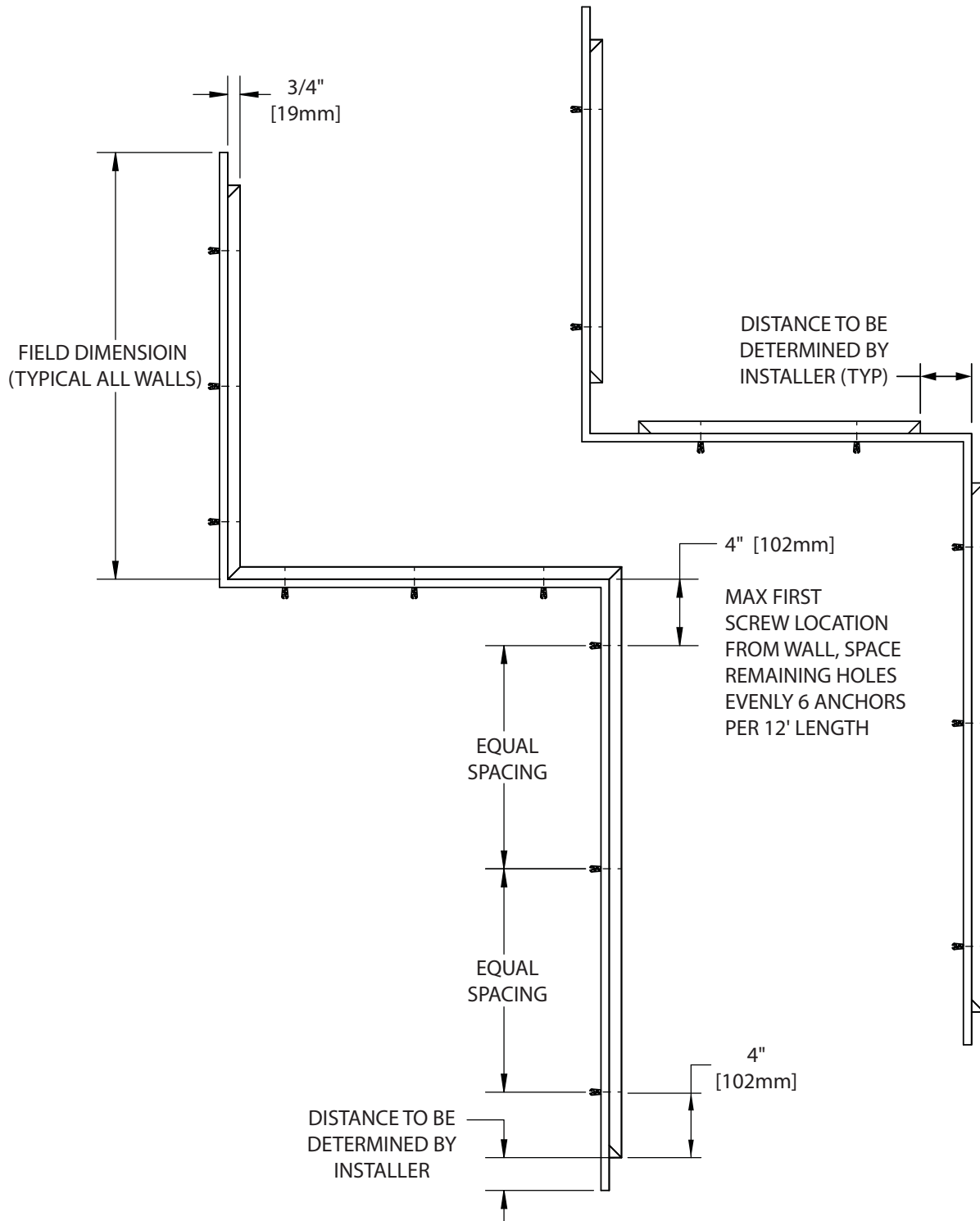
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### Layout View



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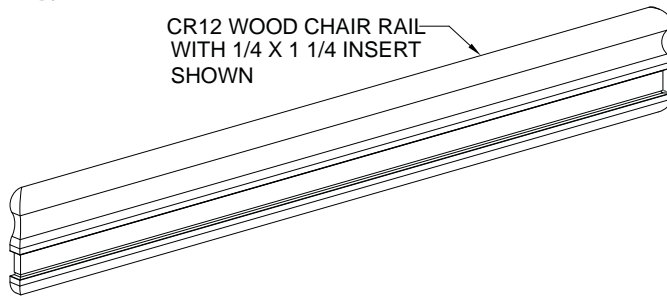
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### Installation Instructions

FIG. 1



SEE SHEET 2 FOR OPTIONAL END CONDITIONS

FIG. 2

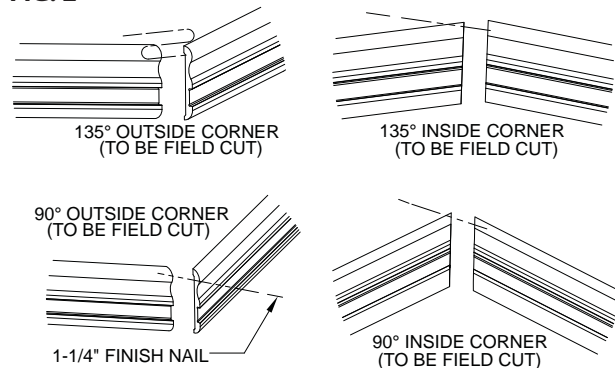
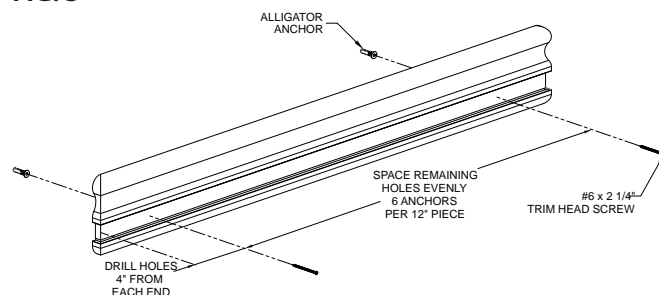


FIG. 3



NOTE: Chair rails ship in pre-cut lengths with ends pre-assembled. If outside and inside corners are required, an extra 4" of rail is included for the installer to miter cut, glue, and pin nail these corners. All boxes and components are marked to coincide with the floor plan drawings. Layout and identify the components needed for each section to be installed.

1. Snap a level chalk line at the required height for the chair rail. SEE FIG. 1

2. Inside and Outside Corner Conditions: When corners are part of the installation the installer must miter cut, glue, and pin nail these conditions. SEE FIG. 2

A. Determine the cut length of the rail by measuring the distance from where the rail starts on the wall to the corner of the wall. For outside corners add 3/4" (19mm) (19mm). Miter cut the rail in the proper direction.

B. Inside corners: before mounting them to the wall, join the two miter cut pieces of rail, apply glue to the mating surfaces and pin nail the two pieces together with three 1-1/4" finish nails. Wipe off excess glue with damp cloth.

C. Outside corners: attach one section to wall, (see steps 3 and 4 for installation). Apply glue to the mating surface and pin nail the two pieces together with three 1-1/4" finish nails. Wipe off excess glue with damp cloth.

3. Drill 1/8" (3mm) holes in the decorative insert channel for the mounting fasteners (6 fasteners per 12' (3.04m) length). Include a countersink so the head of the screw is flush. Position chair rail on wall. Level and mark hole locations. SEE FIG. 3

NOTE: If drilling into a masonry wall, drill deep enough for a 2-1/4" (57mm) fastener.

NOTE: Join longer sections of rail on the wall with a butt joint. Install fasteners, 4" (101mm) on either side of the joint.

4. Position the ALLIGATOR anchors into the holes on the wall. Mount the chair rail with #6 x 2-1/4" trim head screws, tightening them into the anchors to secure the chair rail. Drive the screw so the head is below the surface of the wood.

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FIG. 4

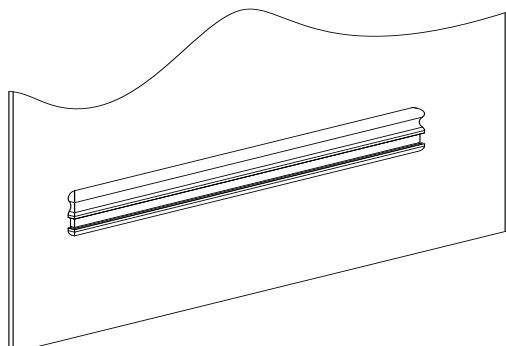
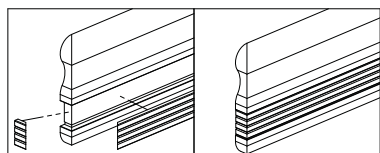


FIG. 5

1/4" THICK INSERT  
(DECORATIVE V-GROOVES SHOWING)



1/4" THICK INSERT

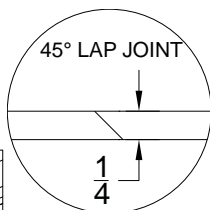
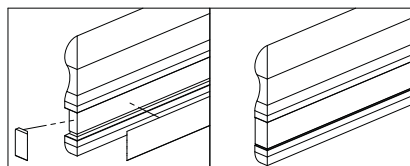
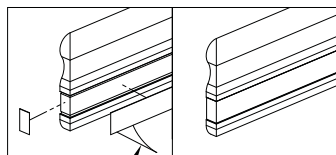


FIG. 6

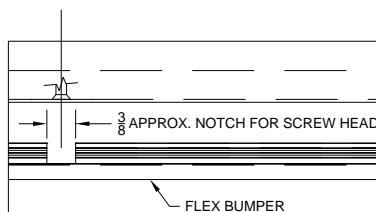
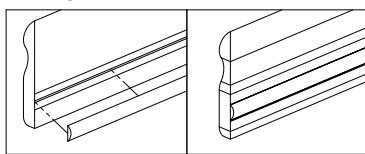
.040 THICK INSERT



ADHESIVE BACKING

FIG. 7

FLEX BUMPER



5. Fill any holes in the wood with the putty from the touch up kit. Clean up any wood glue with a damp cloth. Remove any surplus materials, and debris upon completion of the installation. SEE FIG. 4

INSTALLATION OF THE 1/4" THICK INSERT. SEE FIG. 5

Note: Wood Insert can be installed with decorative v-grooves visible or hidden.

1. Determine the length of the insert. Miter cut inside, outside corners and the pieces for returns. If longer lengths are needed join them with a lap joint.

2. Apply a small amount of PL Premium adhesive in the channel on the chair rail. Position the insert in the channel and press in place. Remove any excess adhesive immediately. Tape the insert in place with painters tape until the adhesive cures.

INSTALLATION OF THE .040" THICK SHEET INSERT. SEE FIG. 6

1. Determine the length of the insert. Cut inside, outside corners and the pieces for returns. If longer lengths are needed join them with a butt joint.

2. Adhere the insert with the factory applied adhesive backing. Remove the release liner position the insert in the channel and press in place.

FLEX BUMPER INSTALLATION. SEE FIG. 7

1. Cut Flex Bumper to the required length. Miter cut the back of the Flex Bumper to help the bumper bend at corners and returns. Notch bumper to clear fastener head.

2. Squeeze a small amount of the instant adhesive into the bumper slot on the front of the wood wall guard.

3. Work a four-foot area of wall guard at a time since the glue will set up quickly. Do not allow glue to touch exposed wood surface.

4. Push the bumper into the slot. A rubber mallet may help press the bumper into the slot.

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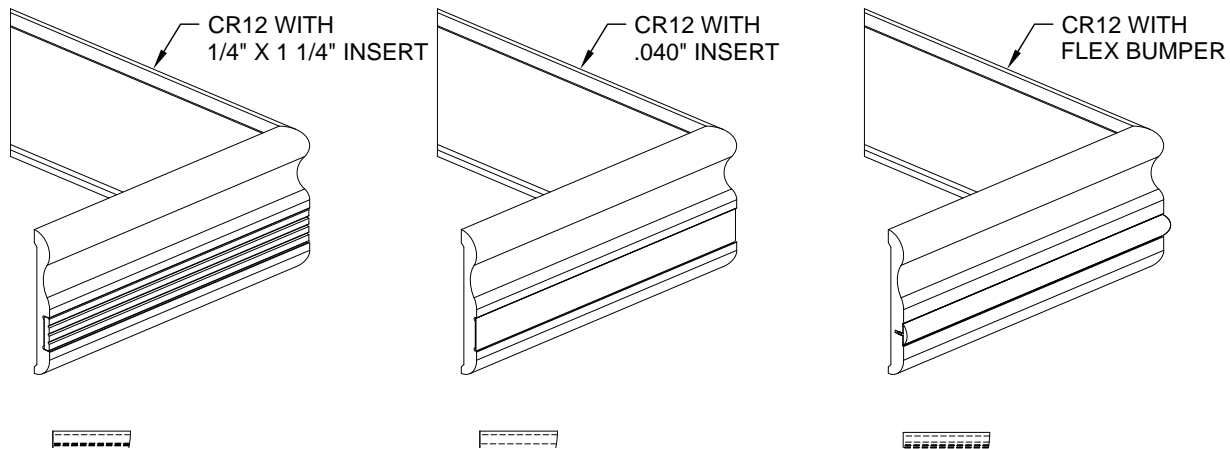
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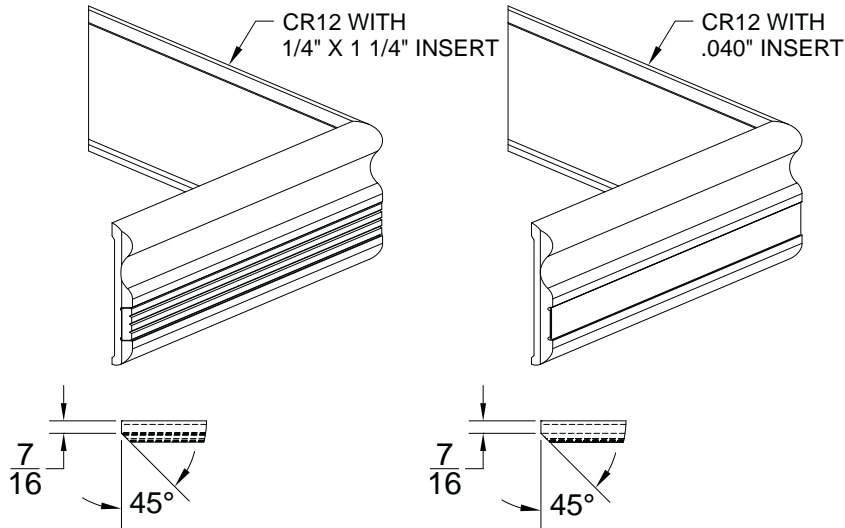
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### Optional End Conditions

#### STRAIGHT CUT



#### 45° BEVEL



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