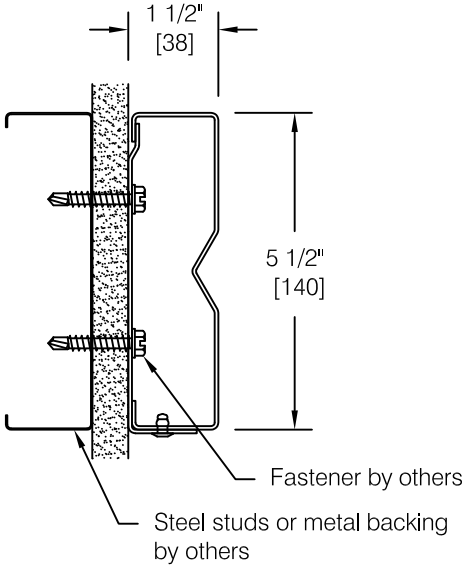
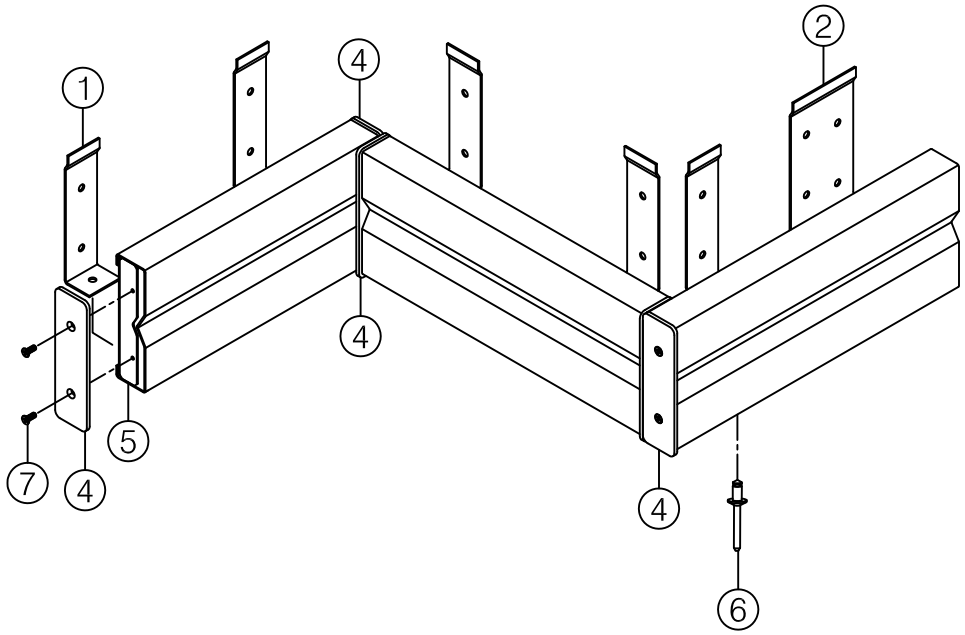
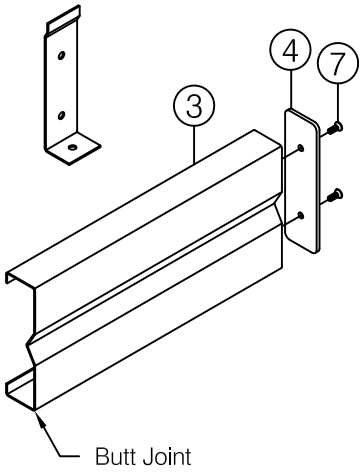
CRS-200 Series Crash Rail



This installation instruction is applicable to:

CRS-200 Crash Rail
CRS-202 Crash Rail
CRS-204 Crash Rail





Component Part Numbers:

1) CRBS-200 Standard mounting bracket
2) SPLS-200 Splice bracket
3) CRS-200 Crash rail
4) ECS-200 End cap
5) ECBS-200 End cap mounting bracket (factory welded)
6) ABPR-2-0-184 Pop rivet
7) ABMS-80-0-184 #8-32 x 3/4", Flat head machine screw

CRS-200 Crash Rail Installation Instructions

Step 1: Determine top of crash rail height and snap a chalk line 5 9/16" below to locate bottom of mounting brackets, 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: Install end caps at crash rail ends that have a factory welded end cap mounting plate. Install with two #8-32 x 3/4" flat head machine screws (supplied), see **fig 2**

Important: Install end caps so that end cap extends past the outward face of the crash rail, see **fig 3**.

Note: Crash rail is pre-formed and pre-cut to length at factory in coordination with customer supplied dimensions. Changes to crash rail length should not be necessary.

Step 3: Layout crash rail according to location drawings provided with shipment. The location drawings specify an alphanumeric "identifier" for each section of rail. The identifier is written on the inside of each crash rail, see **fig 4**.

Step 4: Install mounting brackets. The crash rail is supplied with two styles of mounting bracket. The wider 3" splice brackets are used where sections of rail butt together. The shorter 1 1/2" standard mounting brackets are used in all other locations along the length of the rail. Determine where butt joints will occur and locate a 3" splice bracket centered at those locations. Install standard mounting brackets between splice brackets and crash rail ends. Align the lower edge of all brackets with the chalk line, see **fig 5**. Tighten brackets to wall using a level or square against chalk line to ensure brackets are vertical. Use the following guidelines for bracket spacing:

- Locate a standard mounting bracket 1" to 3" in from crash rail end caps.
- Space standard mounting brackets at 32" (maximum) on center.

Note: If pre-drilling for wall fasteners is required (i.e. masonry), use holes in mounting bracket as a template for drill locations on the wall. Use caution when drilling mounting holes so bracket installation is plumb.

Suggested hardware:

- Drywall: Bugle head drywall screws or pan head sheet metal screws with pilot hole, in metal backing plate.
- Masonry: Plastic Alligator® insert with pan head sheet metal screws.

Step 5: Peel back the protective film from the upper and lower edges/surfaces of the crash rail that contact the wall when installed. Also peel back film along bottom of crash rail where it will sit on mounting brackets (refer to **step 6**).
Note: The protective film may be entirely removed if desired. Use caution to protect surface through the remainder of the installation.

Step 6: Install crash rail on brackets by hooking top edge of rail over the top lip of mounting brackets. The lower edge of the crash rail should rest on top of the bracket where the bracket extends outward from the wall.

Step 7: Using a #11 drill (.194), drill mounting holes in the bottom edge of crash rail to align with mounting holes in brackets, see **fig 6**. Install stainless steel pop rivet (supplied) through bracket and crash rail.

Important: Crash rail must be held firmly against wall while drilling and installing the rivet.

Step 8: Remove remaining peel-off film if not previously removed in **step 5**. Use caution not to bend brackets or otherwise cause damage to the installation.

CRS-200 Series Crash Rail Installation Instructions

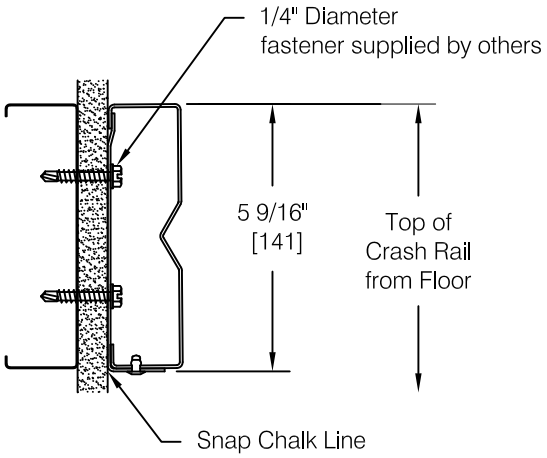


fig 1

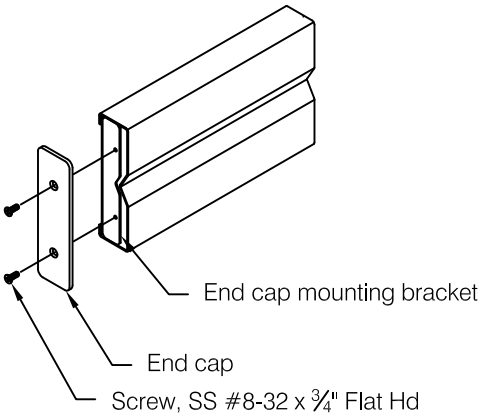


fig 2

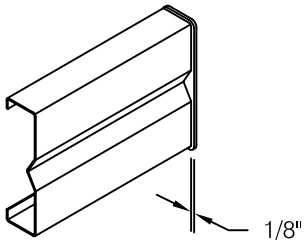
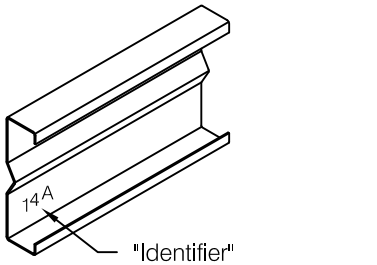


fig 3



Coordinate with location drawings
for installation location

fig 4

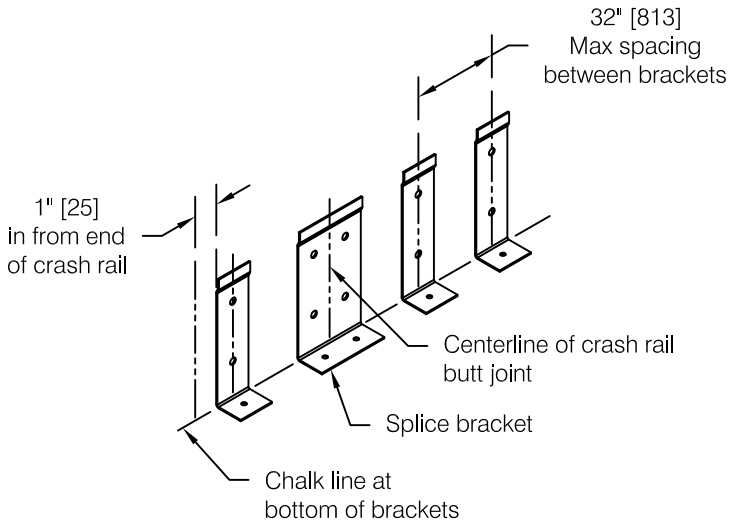


fig 5

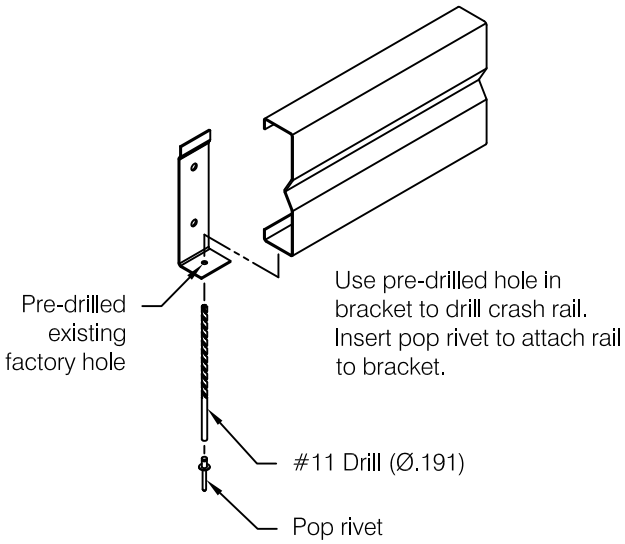
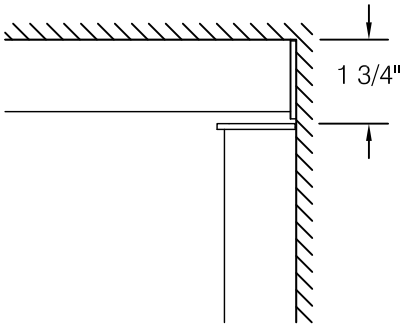
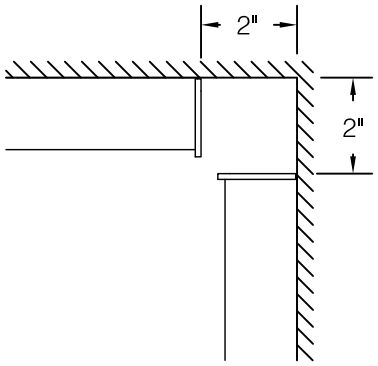


fig 6

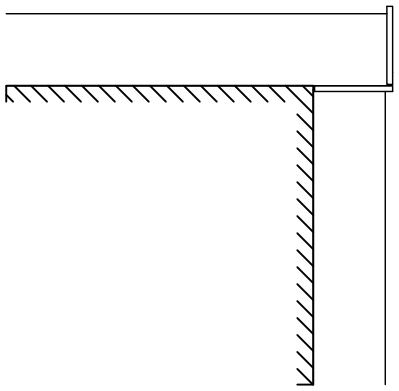
Inside/Outside Corner Layouts



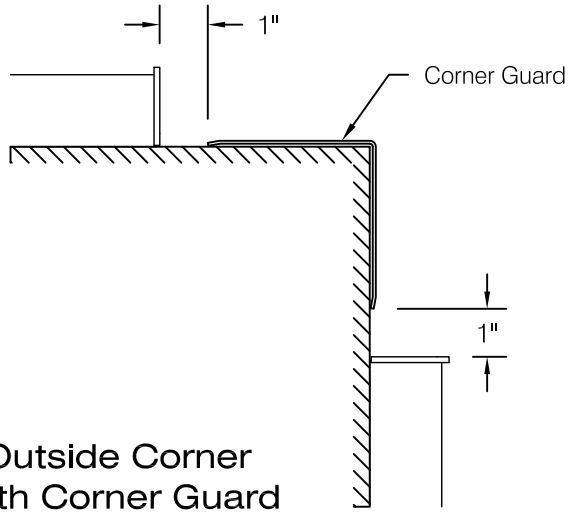
Inside Corner
(standard)

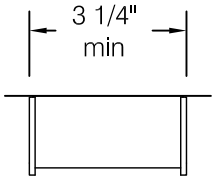


Inside Corner
(optional)



Outside Corner
(standard)



Outside Corner
with Corner Guard

Minimum Layout Configurations