

DESIGNER SERIES
EXTRUDED CORNICE SYSTEM
INSTALLATION INSTRUCTIONS

GENERAL DESCRIPTION: Designer Series Extruded Cornice Mouldings are uniquely designed to interlock with a water resistant and securely locked seam. In addition, we designed our mouldings with an overlapped “shingle effect” seam to deflect wind driven rain.

Each cornice moulding also features a concealed fastening flange to assist and provide for proper fastening. This fastening flange is specially shaped to allow countersink flat head machine screws preventing possible interference with mating cornice members. This special shape also accommodates rivets. The Designer Series Extruded Cornice Mouldings are available with mounting gussets. These gussets are manufactured from heavy gauge galvanized steel and designed to form fit your cornice design. Gussets are fastened to your building’s structure with screws or bolts at 24” to 32” centers (spaced according to your framing design or building codes).

SKILLS & TOOLS REQUIRED: The Designer Series Extruded Cornice System is designed to be installed by an installer that is knowledgeable in the trade. The extruded cornice and decorative trims shall be installed in strict accordance with manufacturer's printed instructions and shop drawings. Basic sheet metal tools required for normal gutter installations along with standard hand tools are necessary for a proper installation. Extruded Cornice products cannot be cut with aviation snips, they must be cut with a portable band or miter saw to achieve appropriate section size.

STEP 1: EXAMINATION

1. Examine substrates and conditions under which cornice & decorative profiles will be installed. All wood plates and/or fascia boards shall be installed true, straight, and free of splits, cracks, or other irregularities. Do not proceed with installation until unsatisfactory conditions are corrected.
2. Field verify that framing has been built in accordance with our shop drawings (if supplied) or published literature. Do not proceed with installation until unsatisfactory conditions are corrected.

A. INSTALLATION WITH STEEL GUSSETS:

STEP 2: MITER INSTALLATION

1. *Outside Corner Condition*; Six (6) Gussets are required. Install gussets flush with the building's corner, and space 6" apart. (fig. 10) Fasten gussets with screws or bolts to building. Gusset vertical placement may vary, refer to shop drawings for locations. Adhere VHB Assist / Isolator tape to all fastening locations to separate dissimilar metals (typical for all gussets).
2. *Inside Corner Condition*; Six (6) Gussets are required. Install gussets flush with the building's corner, and space 6" apart and one (1) at cornice joint. (fig. 11) Fasten gussets with screws or bolts to building. Gusset vertical placement may vary, refer to shop drawings for locations.
3. Factory cut and welded miters may have been supplied. If not, field cut miters and drill a .1875" diameter hole at all fastening locations. Determine location of bottom most cornice miter (fig. 2) and fasten with stainless steel, type 304, #10-24 x 0.75" machine screws with nylon core hex lock nuts. (fig 12) (For use with all cornice to gusset mountings, aluminum rivets may also be used) Use supplied angle connectors, VHB tape and hardware to mechanically fasten and form miters. (fig. 5) Caulk or touch up miter work as required.
4. For field cut miters, simply insert and pivot next cornice into place (fig. 3), verify miter leg length, cut, drill and fasten as required to achieve true and vertical seam. Factory miters are to be placed just above "shingle flange" and lowered into locking position, fasten as required. (fig 6)
5. Continue process for remainder of mitered cornice stack assuring a true and vertical seam. (fig. 4)

STEP 3: MAIN CORNICE INSTALLATION

1. Refer to shop drawings, if supplied, for recommended cornice layout. If shop drawings were not supplied, determine appropriate cornice layout. Cornice should be spaced to have the longest possible sections, equal length, at the cut to fit locations. No section to be shorter than 48" in length. (fig. 8)
2. Determine Gusset locations. Gussets should be placed at all cornice joints to back up and support moulding splices (Do not fasten to splice or cornice). Place additional gussets 12" on either side of the "splice" gusset and 24" on center, typically, from center line of the "splice" gusset. (fig. 13) Fasten gussets with screws or bolts to your building.
3. Determine length of first cornice stack. Cut mouldings to length, remove 2 1/2" from the fastening and locking flanges at each end for splice plate. (fig. 1) Be sure to calculate for the 3/8" joint expansion reveal between stacks. Apply touch up paint to cut cornice as needed.
4. Insert splice plates to the inside of the mouldings at miter. (fig. 9)
5. Field verify and drill a .1875" diameter hole at fastening locations. Install bottom most moulding with stainless steel, type 304, #10-24 x 0.75" machine screws with nylon core hex lock nuts. Allow for 3/8" expansion reveal at joint. Check horizontal alignment of cornice and adjust as required.
6. Continue installation of cornice stack by simply inserting and pivoting next cornice into position. Fasten as required. (fig. 3)
7. Continue process for remainder of cornice stack assuring a true and vertical seam. (fig. 7)
8. Repeat for remainder of cornice run. Be sure to remove 2 1/2" from the fastening and locking flange at each end of moulding for splice plate mate. Continue to check horizontal alignment of cornice and adjust as required.

B. WOOD SUBSTRATES:

STEP 2: MITER INSTALLATION

1. If required, install support brackets, retaining brackets and attachment brackets with #10 x 2" stainless steel wood screws at locations and spacing as shown on shop drawings.
2. Factory cut and welded miters may have been supplied. If not, field cut miters and drill a .1875" diameter hole at all fastening locations. Remove 2 1/2" of the cornice moulding fastening and locking flanges at each end to accommodate splice plates. (fig. 1) Determine location of bottom most cornice miter (fig. 2) and fasten with #8 x 1 1/2" stainless screws.
3. For field cut miters, simply insert and pivot next cornice into place (fig. 3), verify miter leg length, cut, drill and fasten as required to achieve true and vertical seam. Use supplied angle connectors, VHB tape and hardware to mechanically fasten and form miters. (fig. 5) Caulk or touch up miter work as required. Factory miters are to be placed just above "shingle flange" and lowered into locking position, fasten as required. (fig. 6)
4. Continue process for remainder of mitered cornice stack assuring a true and vertical seam. (fig. 4)

STEP 3: MAIN CORNICE INSTALLATION

1. Refer to shop drawings, if supplied, for recommended cornice layout. If shop drawings were not supplied, determine appropriate layout. Cornice should be spaced to have the longest possible sections, equal length, at the cut to fit locations. No section to be shorter than 48" in length. (fig. 8)
2. If required, install support brackets, retaining brackets and attachment brackets with #10 x 2" stainless steel wood screws at locations and spacing as shown on shop drawings. Verify placement with your cornice layout.
3. Determine length of first cornice stack. Cut mouldings to length, remove 2 1/2" from the fastening and locking flanges at each end for splice plate. Be sure to calculate for the 3/8" joint expansion reveal between stacks. Apply touch up paint to cut cornice as needed.
4. Insert splice plates to the inside of the mouldings at miter. (fig. 9)
5. Install bottom most moulding with #8 x 1 1/2" stainless wood screws. Allow for 3/8" expansion reveal at joint. Check horizontal alignment of cornice and adjust as required.
6. Continue installation of cornice stack by simply inserting and pivoting next cornice into position. Fasten as required. (fig. 3)
7. Continue process for remainder of cornice stack assuring a true and vertical seam. (fig. 7)
8. Repeat for remainder of cornice run. Be sure to remove 2 1/2" from the fastening and locking flange at each end of moulding for splice plate mate. Continue to check horizontal alignment of cornice and adjust as required.

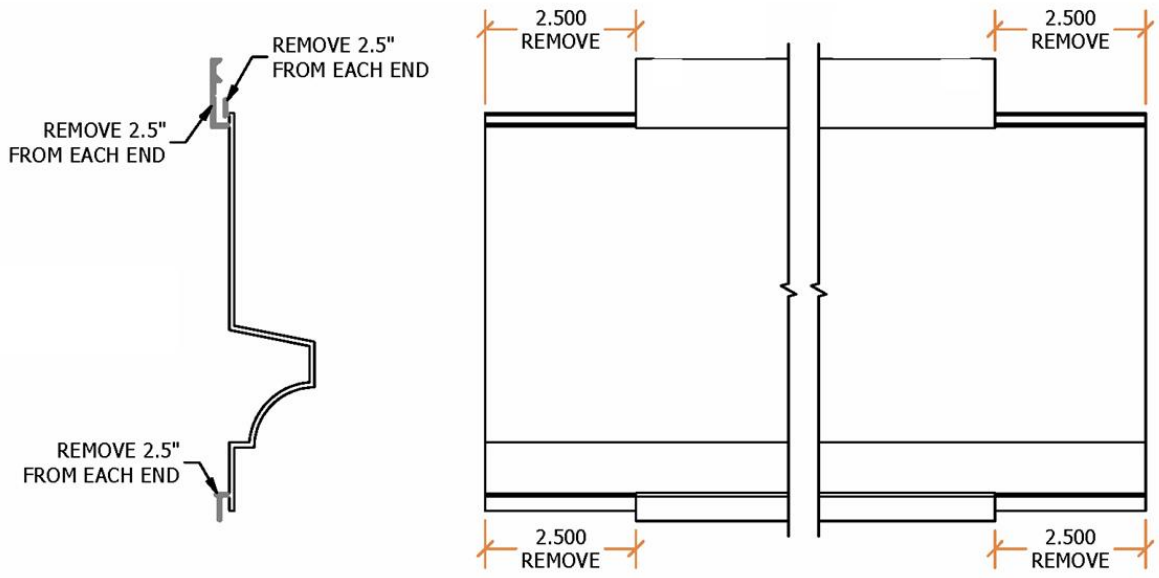


Figure 1

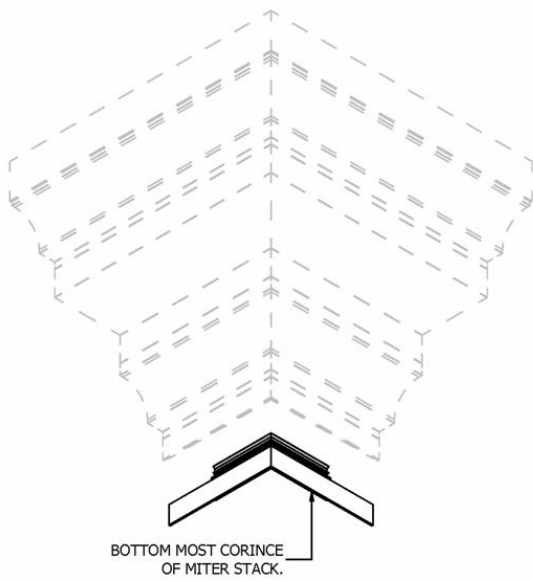


Figure 2

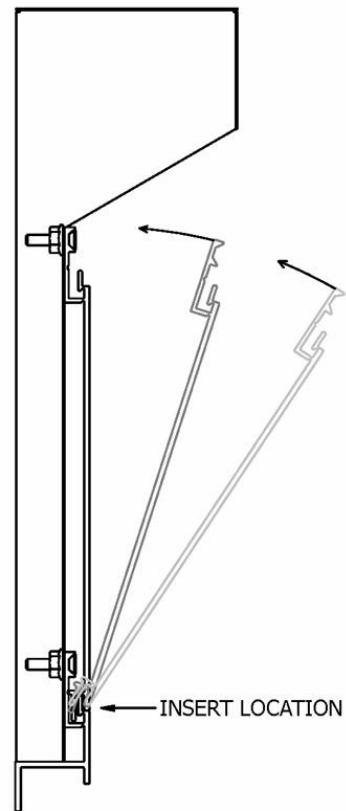


Figure 3

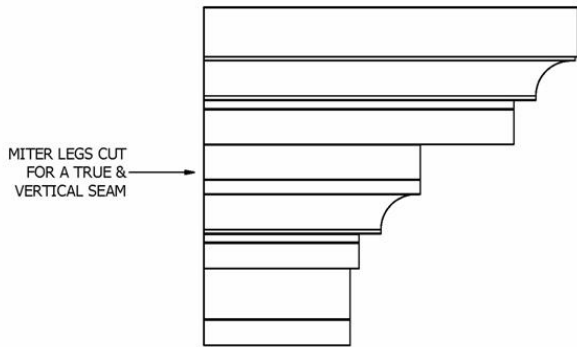
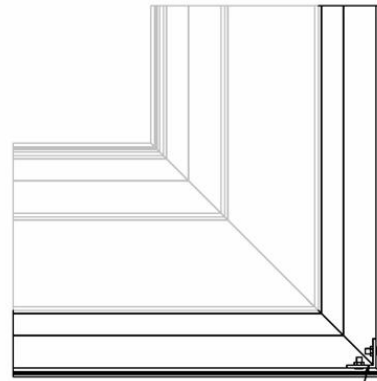


Figure 4



Use supplied angle connectors, VHB tape and hardware to mechanically fasten and form miters. Caulk or touch up miter work as required.

Figure 5

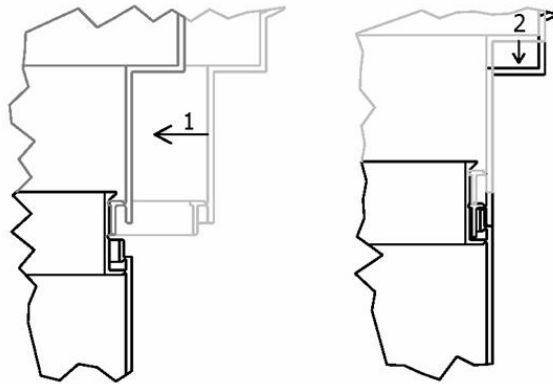


Figure 6



Figure 7

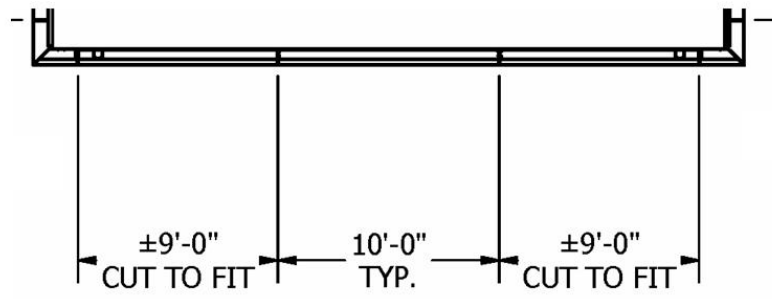


Figure 8

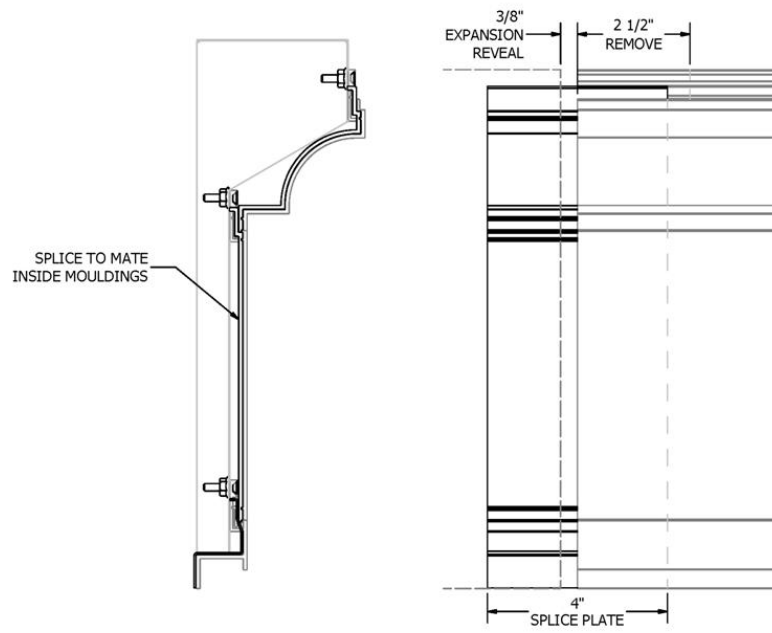


Figure 9

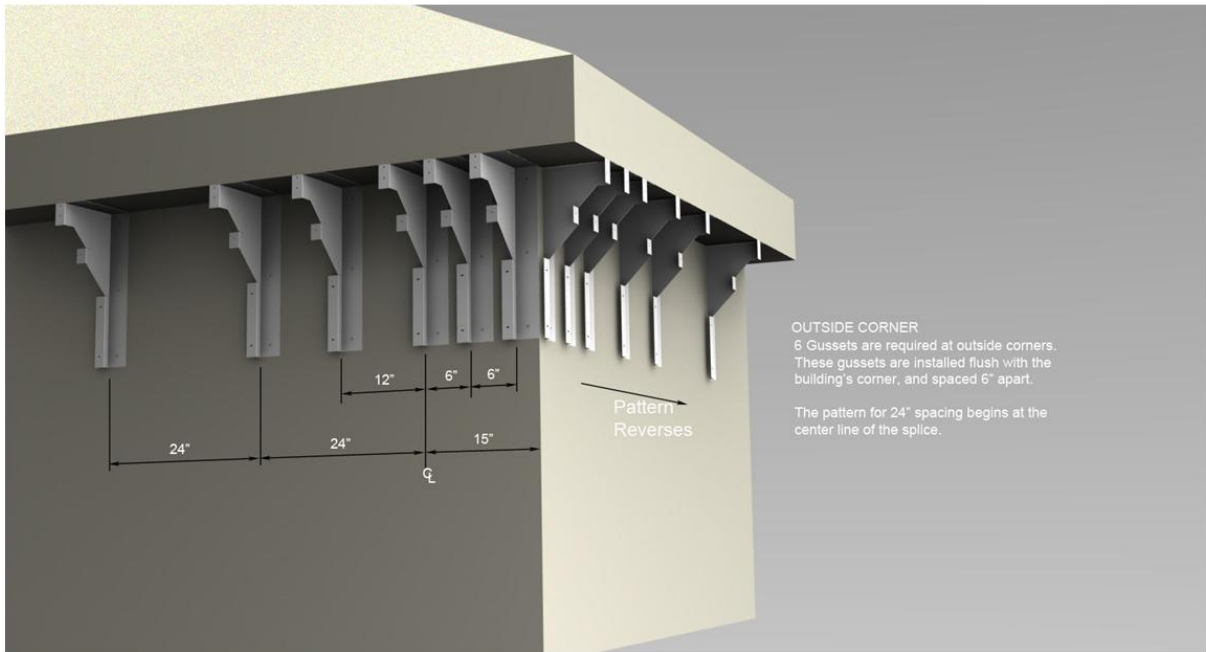


Figure 10

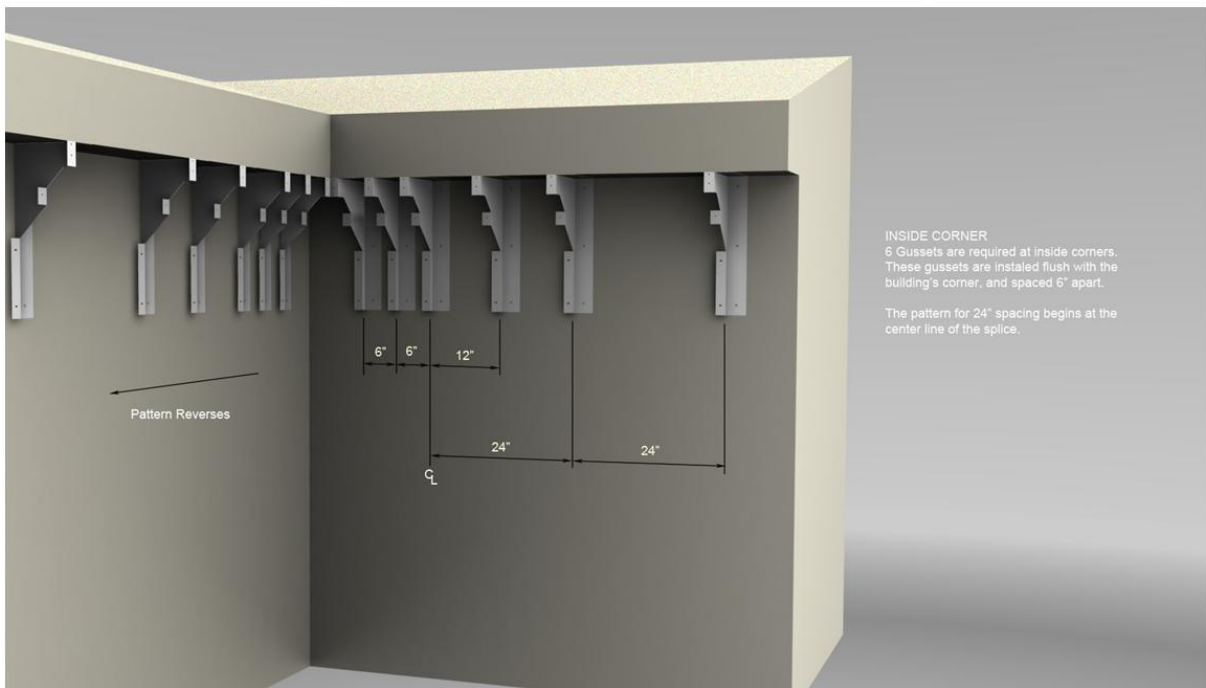


Figure 11



Figure 12

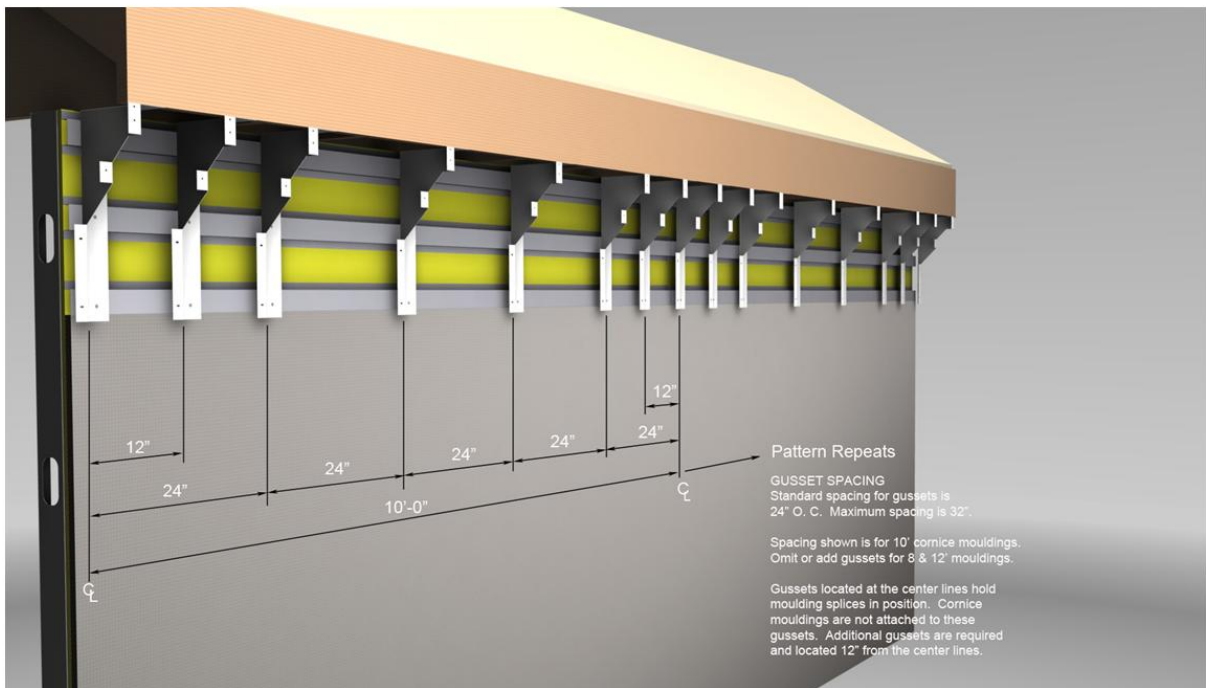


Figure 13