

# Perimeter Systems

*Innovative Aluminum Architecture*



## A Comprehensive Guide 4th Edition

*For Designing Aluminum Cornices, Commercial Gutters, and Related Roof Edge Trims*



*John F. Kennedy, Jr., Library. Installation by Madison Heights Glass Company, Ferndale, MI*

## A Tradition of Success

Southern Aluminum Finishing Company (SAF) is among the nation's leading sources of aluminum finishing, aluminum products, and services. For over half a century, subcontractors, design build contractors, architects, and building owners have relied on SAF's materials expertise in; custom fabrications, architectural extrusions, architectural roofing products, high performance fluoropolymer coatings, powder coatings, and architectural class 1 anodizing.

Owned and operated by the same family since 1946, SAF is the only service center in the United States with modernized anodizing and painting facilities, a full fabrication center, in addition to a complete stock of sheet and extrusions. As a result, SAF is able to provide our customers with proven expertise, first-rate service and accountability - all under one roof.

In 2006, SAF celebrated its 60th anniversary - a significant milestone that we are proud of. As we have done from the start, we strive to provide the highest quality products, services and innovative solutions to our customers, as well as to provide value to them each and every day. We thank you for your business and are proud to be your supplier of architectural fabrications and finishes.

*Southern Aluminum Finishing Company*

### NOTICE

The drawings contained herein, and any related notes or text contained thereon are based on typical requirements of Perimeter Systems and are published strictly as a guide for architectural and construction industry professionals to illustrate typical or general design conditions.

These details are not to be used by themselves and do not constitute design instructions. These details must be used in conjunction with Perimeter Systems' current product specifications, product data sheets, and application instructions.

Any details shown are strictly for the purpose of illustrating typical system applications. Any other materials shown in any details are incidental to the details and are included only for clarity of the system detail. Please consult with the manufacturers and/or suppliers of any separate materials for their products, specifications, and application instructions.

If site or design conditions not shown in these details are present, or any unusual design is involved, please consult with Perimeter Systems Technical Department for assistance.

SAF, Perimeter Systems Division does not assume any liability for use of these details. It is the sole responsibility of any architectural or construction design industry professional and particularly the design professional of record, to apply their professional knowledge in utilizing information contained in these details. SAF, Perimeter Systems Division does not accept the responsibility of the design professional of record for any structure.

# Perimeter Systems

*Innovative Aluminum Architecture*

Since 1990, Perimeter Systems, a division of Southern Aluminum Finishing Company, Inc., has provided Architects and their clients with innovative aluminum building products for virtually every roof eave condition imaginable.

Perimeter Systems is the only company with the strength and imagination to deliver a total compliment of roof eave products. From soffits and cornices, to commercial gutter systems, Perimeter Systems delivers excellence and enduring performance - while ensuring consistent quality, color, and customer service.

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# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



*Private Residence*



*Portsmouth Transportation Center*



*College of New Jersey*



*Greenville County Government Complex*



*Louisville Collegiate School*

## *Major Product Groups*

### *Our Designer Series...*

#### **Designer Series Cornice Products...**

Beautifully sculptured aluminum cornice trims, soffits, and mouldings are available in a variety of interchanging profiles allowing you to custom design your cornice. Or you may select from one of our fifteen predesigned cornices that have all the details worked out for you.

Designed to compliment our commercial gutter systems or to be used as an architectural feature, you will find these innovative trims beautiful, durable, and cost effective. Optional adornments for our cornice products include dentils, flutes, and decorative engraved patterns.

#### **Designer Series Commercial Gutter Systems...**

Our pre-engineered gutter products have been installed on universities, schools, financial institutions, churches, and stately homes throughout the United States since 1990.

Designed to withstand heavy snow and ice conditions, these commercial gutters feature four sculptured fascia profiles, a concealed gutter liner, heavy duty support brackets and straps.

Designer Series commercial gutters also feature internal drains that eliminate exposed downspouts. These internal drains incorporate threaded outlets for a secure connection of drain to underground drainage. We have several thousand drains installed throughout the United States with a perfect performance record -- so specify internal drains with confidence.

## *Our Industrial & Commercial Series...*

### **Industrial Series Commercial Gutter Systems...**

Since their introduction in 1980, these rugged pre-engineered gutters have enjoyed an unblemished record for performance and durability. Their extra large capacity make them ideal for use on shopping malls, strip centers, military installations and manufacturing facilities.

### **Industrial & Commercial Series Drainware...**

Perimeter Systems offers a large selection of downspouts for our engineered gutter systems. From heavy wall extrusions for areas subject to abuse... to light gauge ornamental round downspouts. Accessories include downspout decorative conductor heads, wall brackets, and bumper guards.

### **Architectural Coping & Gravel Stop Products...**

Our "Press-Loc Series" of copings and gravel stops have long been popular with both architects and contractors due to their simple but "high performance" design. These products are designed to accommodate virtually all roofing membranes and carry some of the highest Factory Mutual ratings available in the industry.

### **Custom Architectural Fabrications...**

Our fabrication facilities and skilled craftsmen are second to none. Often we produce custom architectural building elements such as cornice brackets and other eave decorations. Just fax us your concept drawings and we'll be pleased to assist you.

## *Southern Aluminum Finishing Company*



*Complex Miter*



*Rake Transition*



*Arched Cornice*



*Large Entablature*



*Column Capital*

# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



# Designer Series Cornice Systems



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## Designer Series Cornices

### Introduction

Since 1990, Perimeter Systems has provided Designer Series Cornices for churches, universities, financial institutions, municipalities, and stately homes throughout the United States. Whether new construction or a historic renovation, Perimeter Systems' innovative "interchangeable" cornice trims allow you to design beautifully sculptured cornices limited only by your imagination.

### Predesigned Cornices

We offer 15 predesigned cornices (presented on pages 10-41) with all the details worked out for you. These cornices may be modified to suit your building's eave condition and have been detailed with traditional wood support framing as well as more contemporary steel framing. Our framing details are suggestive in nature and are provided only as a guide to your design efforts. The CD included with this manual contains specifications and AutoCad drawings of all our cornice products.

### Interchangeable Profiles

Our cornice trims and mouldings are available in various sizes of concave, convex, quarter round, half round, and box shapes. Many of these trims are designed to interchange with one another where you can mix and match to your own taste. All of the profiles shown in this Design Guide are printed to scale and are fully dimensioned so you may lay out your framing and cornice details with confidence. Individual profiles begin at page 44.

### Design To Simulate Stone Cornices

In addition to our cornice trims being interchangeable they are designed to simulate stonework. This is achieved through the use of "expansion reveals" at the vertical cornice joints. This expansion reveal consists of a concealed splice "back-up" plate which allows a space between the adjoining cornice members. This small (3/8") space creates a light shadow line at the vertical cornice joints and when properly aligned simulates stonework. Short sections of cornice at offset eaves and gables are factory notched and overlapped for a continuous monolithic look.



**Predesigned Cornices**  
*Our predesigned Cornice No. 6 is shown above.*



### Expansion Reveal Joints

*The 3 photographs above are excellent examples of how our cornices are designed with stacked joints. All the miters are factory cut to size eliminating field cuts and chance of error. The complexity of these miters also show our skilled craftsmanship and attention to detail.*



### Miters

*Precision saw cut and helliarc tack welded prior to finishing, our miters offer sharp crisp edges similar to a picture frame. Mitered joints that are subject to water entry are solid welded.*

### Expansion Reveals

*3/8" gap between cornice members creates a light shadow effect at the vertical joints and allows thermal movement (100 degree temperature variance) for cornice members.*

### Splice Joints

*Hidden line represents edge of concealed "back-up" splice plate.*



### Gables & Pediments

Throughout this section of cornices you will see examples of our extensive experience creating complex gable conditions, pediments, and cornice entablatures.

We have tried to simplify these conditions with expanded framing details and photographs. We have also designed several ways in which to transition guttered eaves with their corresponding rake edges.

### Dentils, Flutes & Ornate Engravings

By utilizing advanced computerized fabrication equipment we can fabricate almost any type dentil that can be imagined. From simple "tooth" shapes to scrolled dentils, details start on page 56. In addition to dentils we offer flutes and ornate engravings.

### Scrolled Concealed Gutters

Our Designer Series commercial gutters are an attractive compliment to our cornice products and are shown in many of our cornice photographs. Their unique concealed drainage feature eliminates downspouts which makes the gutter blend into the cornice design as one of its mouldings. Our Designer Series commercial gutter section starts at page 64.

### Historic Replications

Often, we receive requests to match existing cornices that were built many years ago -- we take exceptional pride with such historic replications. We have replicated cornices for churches, schools, and courthouses to mention a few.

We welcome the opportunity to assist you with your historical work. Either samples of the existing cornice or your detailed drawings is all that is required for us to reproduce your project's cornice. For a nominal charge "mock-ups" are available, please call for details.



## DESIGNER SERIES CORNICES

### SELECTION GUIDE

Our 15 predesigned cornices (presented on pages 12-41) offer both large and small entablatures. The larger sizes are generally the classic style while the smaller versions are a more contemporary style. The silhouettes shown on these two pages offer a glimpse of our predesigned cornices and their sizes to help you identify an appropriate cornice. The CD included with this manual contains specifications and AutoCad drawings of all our cornice products.

### Project Photography

This Design Manual contains project photographs of the actual predesigned cornices -- these photographs are great tools to assist you in your selection and for presenting to your clients. Each of our predesigned cornices are also presented with graphic views of gables or pediments and included sectional drawings to aid you with their complex design. Included with this Design Manual is a CD which contains a photo gallery of our cornices with many more pictures.

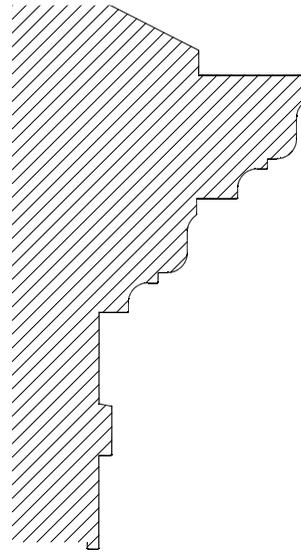
### Interchangeable Profiles

Like our cornice trims these predesigned cornices may also be interchanged with one another where you can mix and match to your own taste. All of the profiles shown in this Design Guide are printed to scale and are fully dimensioned so you may lay out your framing and cornice details with confidence.

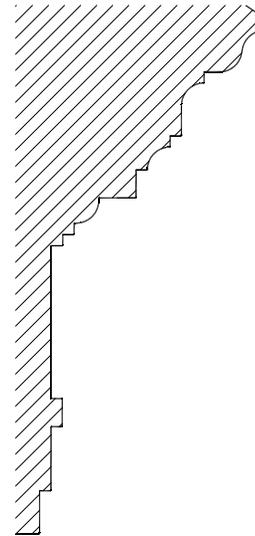
### Adornments

Flutes, dentils, and engravings are available and presented on pages 56 & 57. These adornments are field mounted onto special frieze trims with dentils and flutes spaced to suit your design.

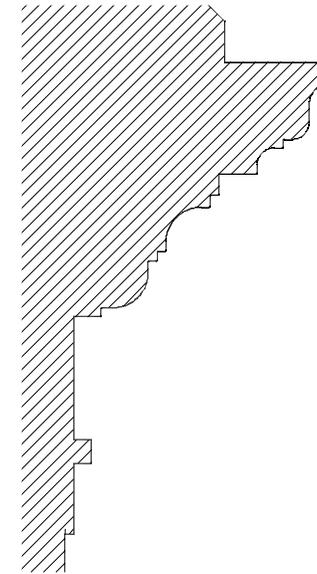
We offer several patterns of engravings that are milled in our manufacturing facility from 0.125" aluminum. You are welcomed and encouraged to submit your special "pattern design" to see if we can produce it.



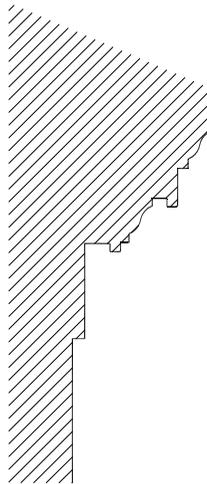
**CORNICE DESIGN 1**  
36" Entablature x 16" Depth  
See pages 12 & 13 for details.



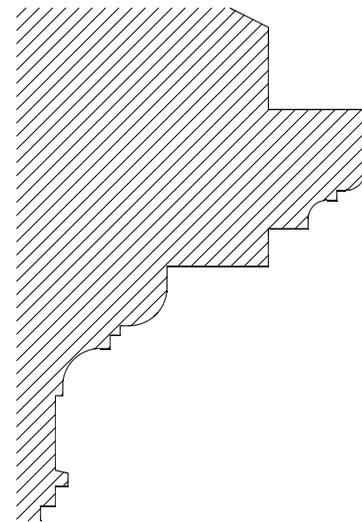
**CORNICE DESIGN 2**  
34" Entablature x 15" Depth  
See pages 14 & 15 for details.



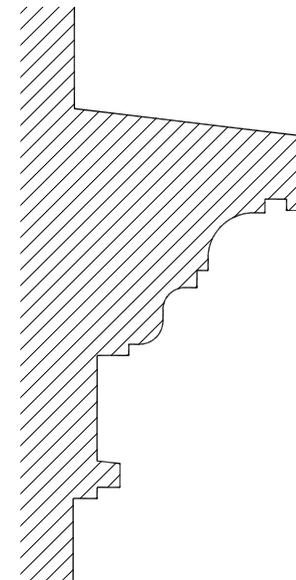
**CORNICE DESIGN 3**  
44" Entablature x 21" Depth  
See pages 16 & 17 for details.



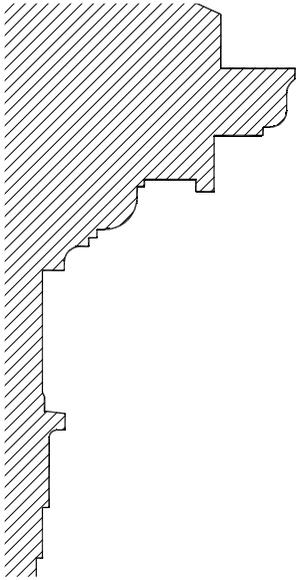
**CORNICE DESIGN 8**  
18" Entablature x 12" Depth  
See pages 26 & 27 for details.



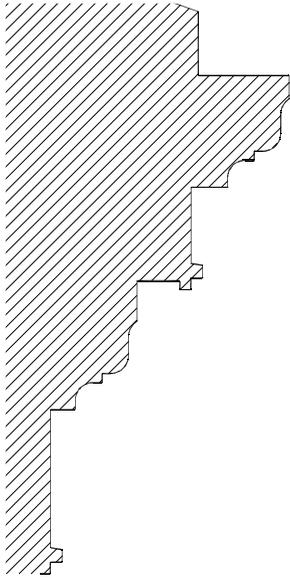
**CORNICE DESIGN 9**  
32" Entablature x 26" Depth  
See pages 28 & 29 for details.



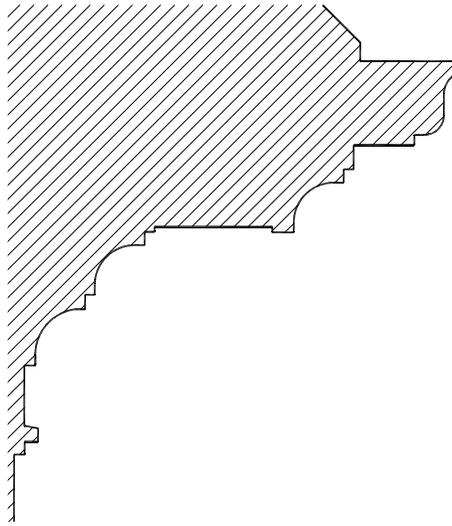
**CORNICE DESIGN 10**  
24" Entablature x 15" Depth  
See pages 30 & 31 for details.



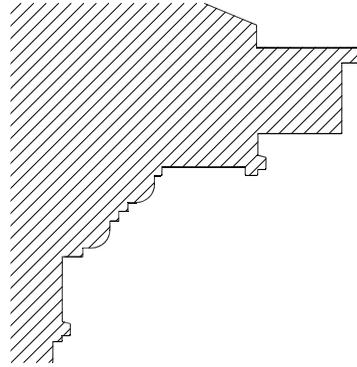
**CORNICE DESIGN 4**  
48" Entablature x 24" Depth  
See pages 18 & 19 for details.



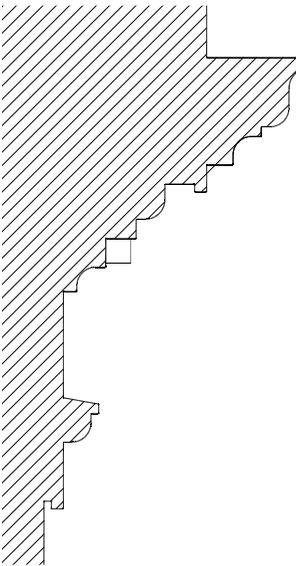
**CORNICE DESIGN 5**  
42" Entablature x 20" Depth.  
See pages 20 & 21 for details.



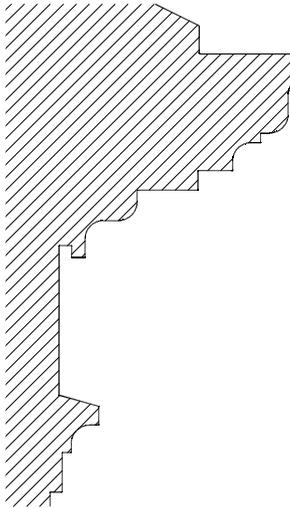
**CORNICE DESIGN 6**  
31" Entablature x 33" Depth.  
See pages 22 & 23 for details.



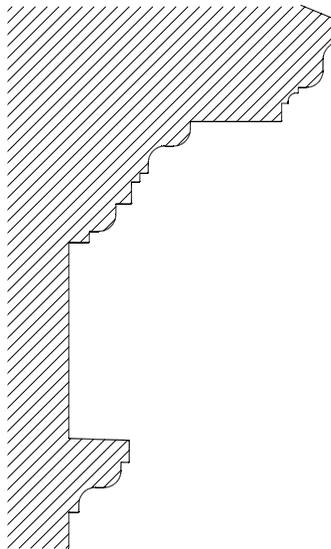
**CORNICE DESIGN 7**  
25" Entablature x 26" Depth  
See pages 24 & 25 for details.



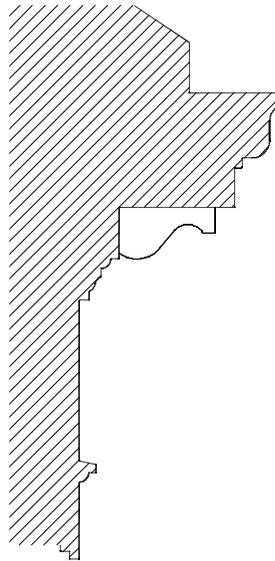
**CORNICE DESIGN 11**  
36" Entablature x 20" Depth  
See pages 32 & 33 for details



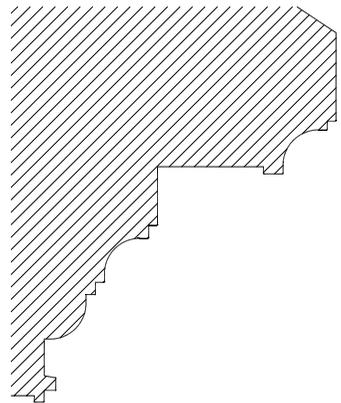
**CORNICE DESIGN 12**  
36" Entablature x 20" Depth  
See pages 34 & 35 for details



**CORNICE DESIGN 14**  
45" Entablature x 24" Depth  
See pages 36 & 37 for details



**CORNICE DESIGN 15**  
40" Entablature x 18" Depth  
See pages 38 & 39 for details



**CORNICE DESIGN 16**  
32" Entablature x 18" Depth  
See pages 40 & 41 for details

# CORNICE DESIGN No. 1



Designer Series Cornice, Design 1

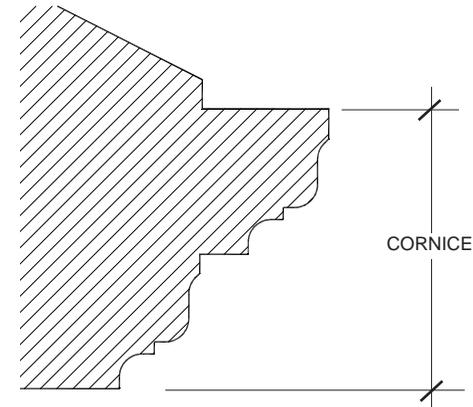
Nominal Size: Classic: 36" Entablature x 16" Depth  
 Contemporary: 18" Entablature x 18" Depth

Cornice Design 1 boasts a large entablature with a small depth -- features our Designer Series Roman Gutter System stepped with an additional Roman Moulding. A frieze and architrave finish its' lower portion. Optional components include flutes and engravings, see page 56.

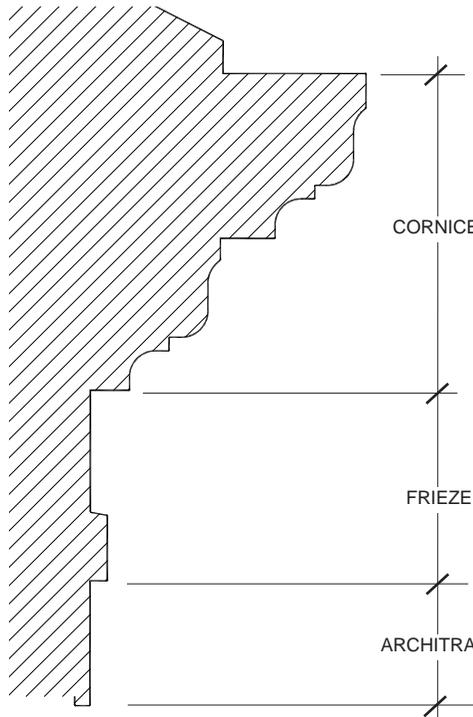
Details shown on this and the opposing page utilize our 8" Roman Gutter system. As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Roman fascia blends well into the overall cornice.

Gabled ends can be finished with the cornice completely wrapping the structure or it may be broken as shown in the above project photo and the partial elevation insert (page 13). Note that this particular project utilized a combined convex and concave mouldings for its' rake edge.

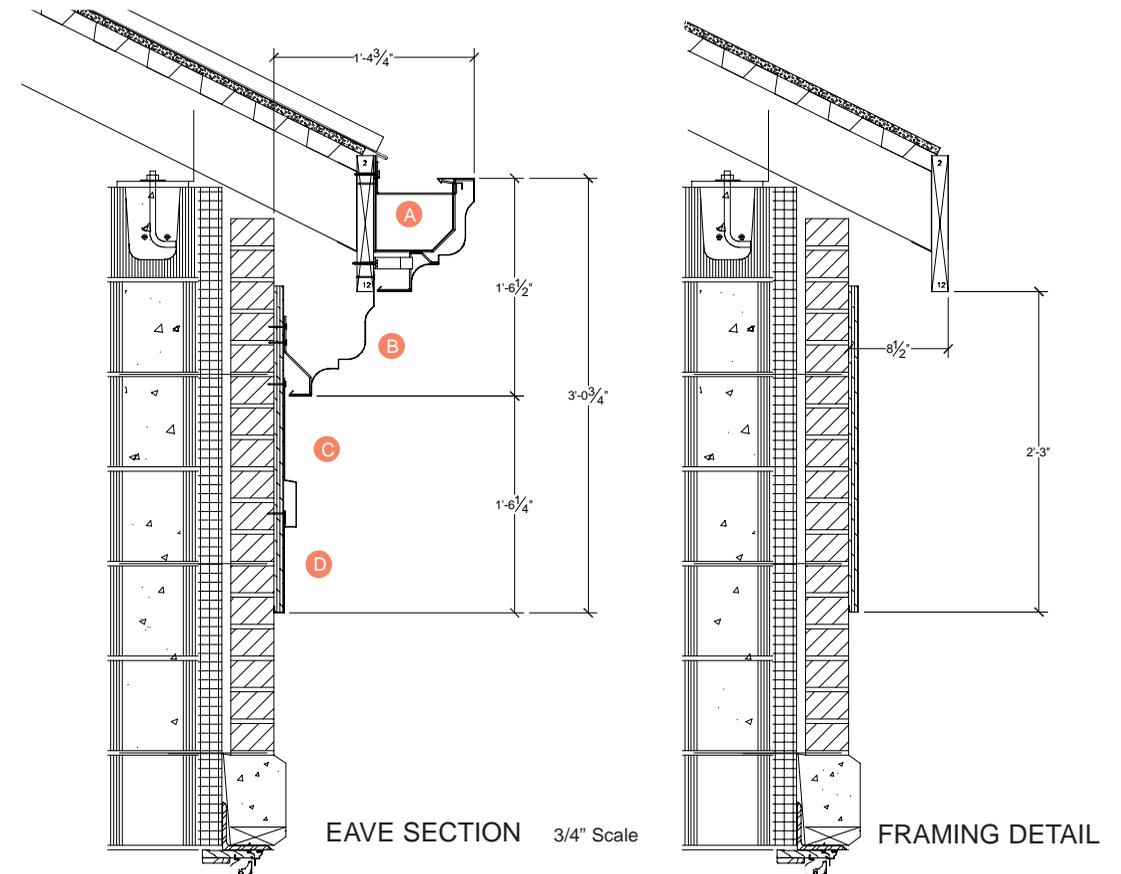
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



CONTEMPORARY DESIGN

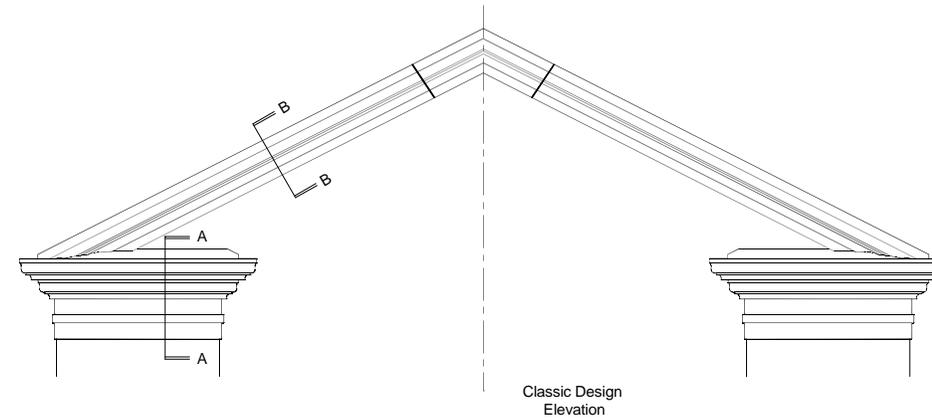
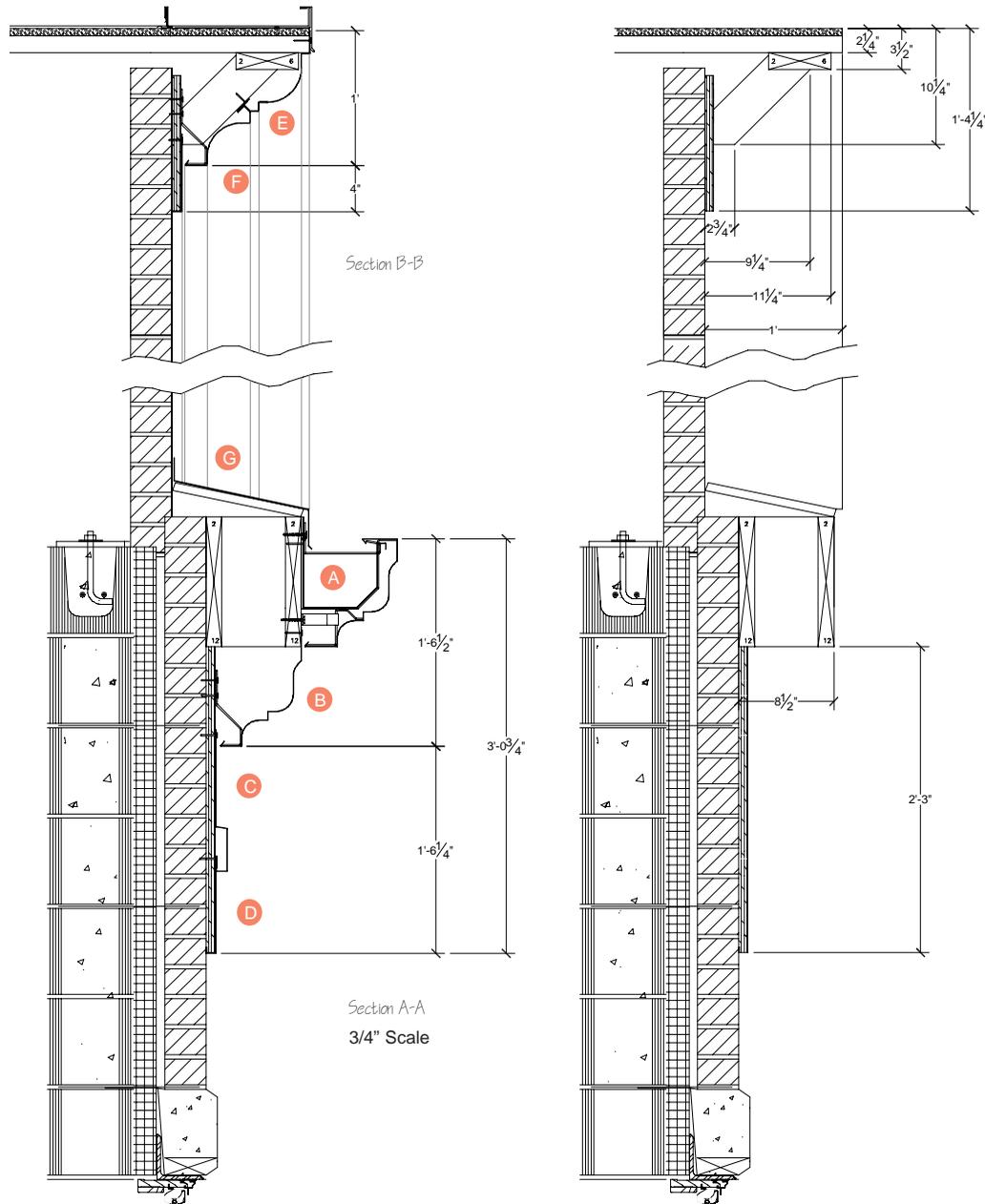


CLASSIC DESIGN



EAVE SECTION 3/4" Scale

FRAMING DETAIL

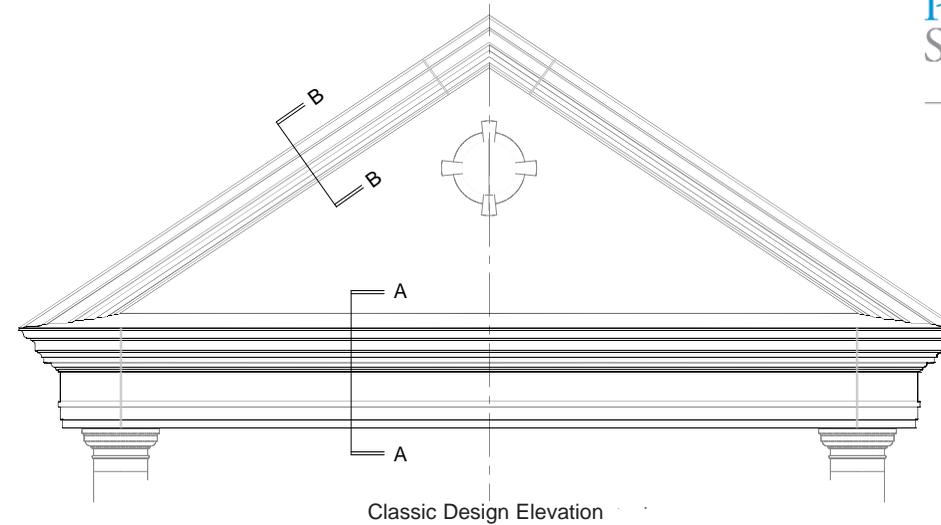
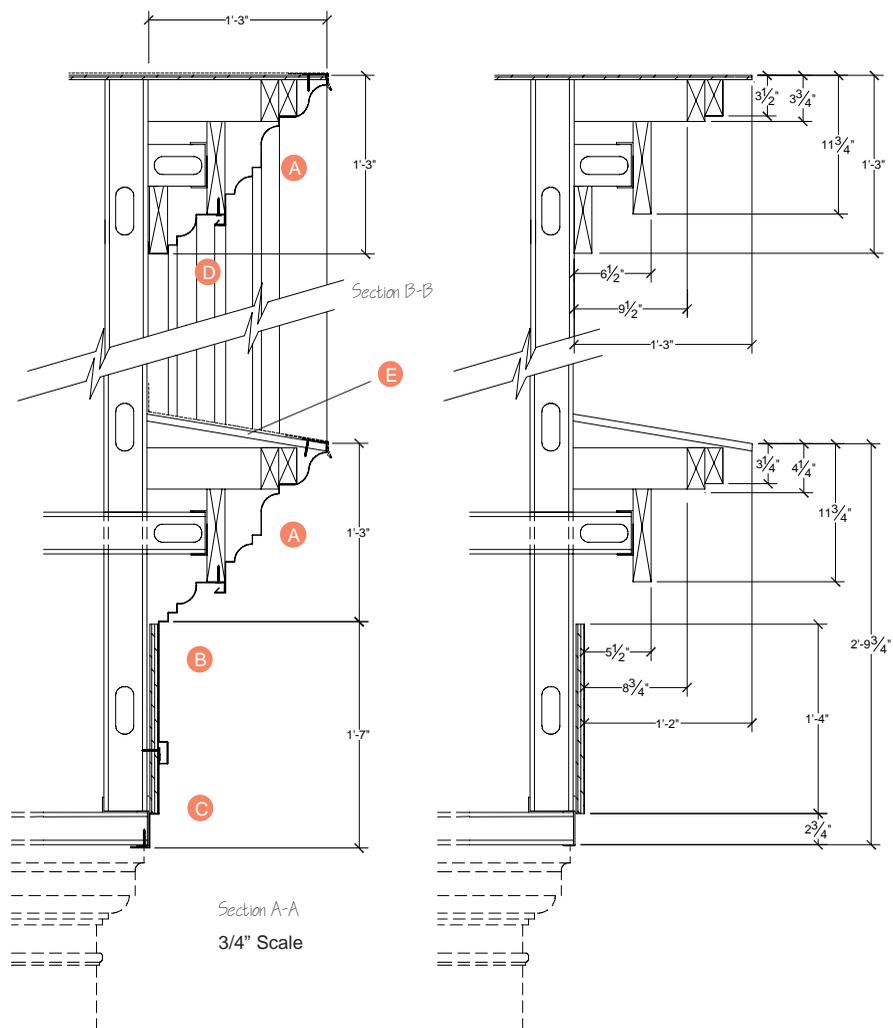


## CORNICE DESIGN No. 1

- A** Perimeter System's Designer Series DSR "Roman Profile". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. Details for the Roman Gutter System are on page 68.
- B** 8" Roman Moulding, style 3, mounted onto cornice brackets spaced at 30" centers. Details for this moulding are on page 45.
- C** Batten Trim Moulding, style B, used as a frieze fascia. This moulding hooks onto the lanced edge of the architrave moulding. Omit this moulding for the Contemporary Design. Details for Batten Trims are on page 54.
- D** J-Trim Moulding, style A, used as the architrave. This moulding hooks onto the wood fascia and has a lanced upper edge for cleating its mating frieze. Omit this moulding for the Contemporary Design. Details for J-Trims are on page 54.
- E** Convex Moulding, style 4, see page 50 for detail information.
- F** Concave Moulding, style 3, see page 50 for detail information.
- G** Shelf Flashing.







## CORNICE DESIGN No. 2 Rev. A

- A** Crown Moulding, see page 48 for detailed information.
- B** Batten Trim Moulding, style B, used as a frieze fascia. This moulding hooks onto the lanced edge of the architrave moulding. Omit this moulding for the Contemporary Design. Details for Batten Trims are on page 54.
- C** J-Trim Moulding, style A, used as the architrave. This moulding hooks onto the wood fascia and has a lanced upper edge for cleating its mating frieze. Omit this moulding for the Contemporary Design. Details for J-Trims are on page 54.
- D** Convex Moulding, style 4 - modified, see page 50 for detail information.
- E** Shelf Flashing.



# CORNICE DESIGN No. 3 Rev. A



Designer Series Cornice, Design 3, Revised 2006

Nominal Size: Classic: 44" Entablature x 21" Depth  
 Contemporary: 24" Entablature x 21" Depth

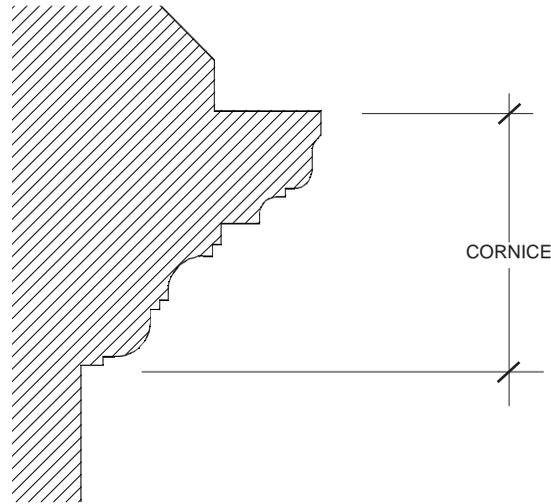
This striking cornice features our Designer Series "Roman Profile" commercial gutter, 2 simple convex/concave mouldings, and a frieze. Optional components such as dentils, flutes, and engravings may be added. See page 56.

As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Roman Fascia blends well into the overall cornice.

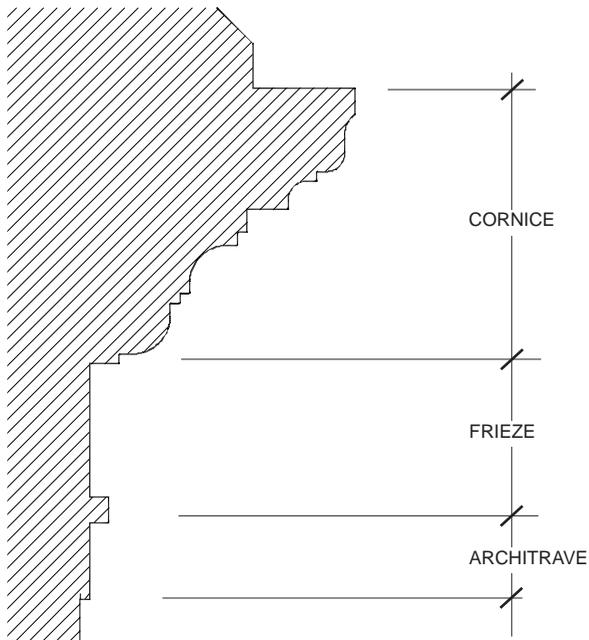
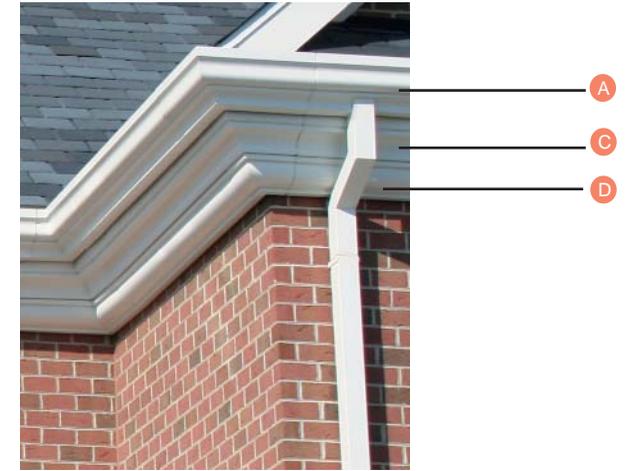
Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the contemporary design (opposing page) or it may be broken as shown in the partial elevation inserts. In addition, the rake cornices may be also broken in a similar manner as shown in the classic design elevation.

Note that if you elect to use the "broken cornice designs" that the wall plane immediately below the cornice return be extended as shown to accommodate the width of the rake cornice. This gives the illusion of a column at the base of the return. If such an offset is undesirable, you may omit the Roman Fascia Rake moulding and readjust your framing.

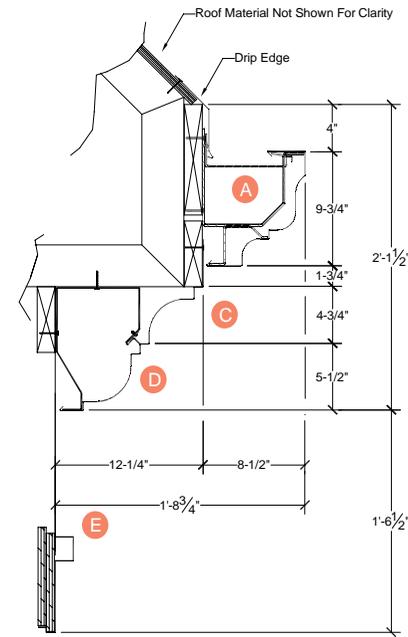
The framing detail shown is merely a suggestion and you should frame your building eaves in the manner necessary to suit your criteria. The primary purpose of our framing detail is to provide you with dimensional information necessary for fastening our gutter and cornice members.



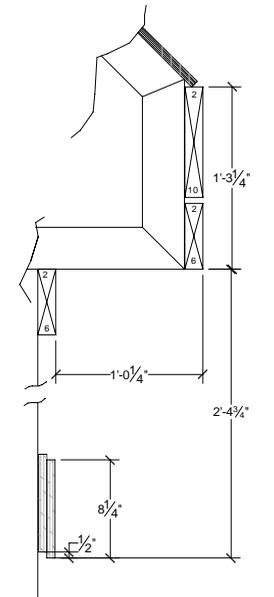
Contemporary Design



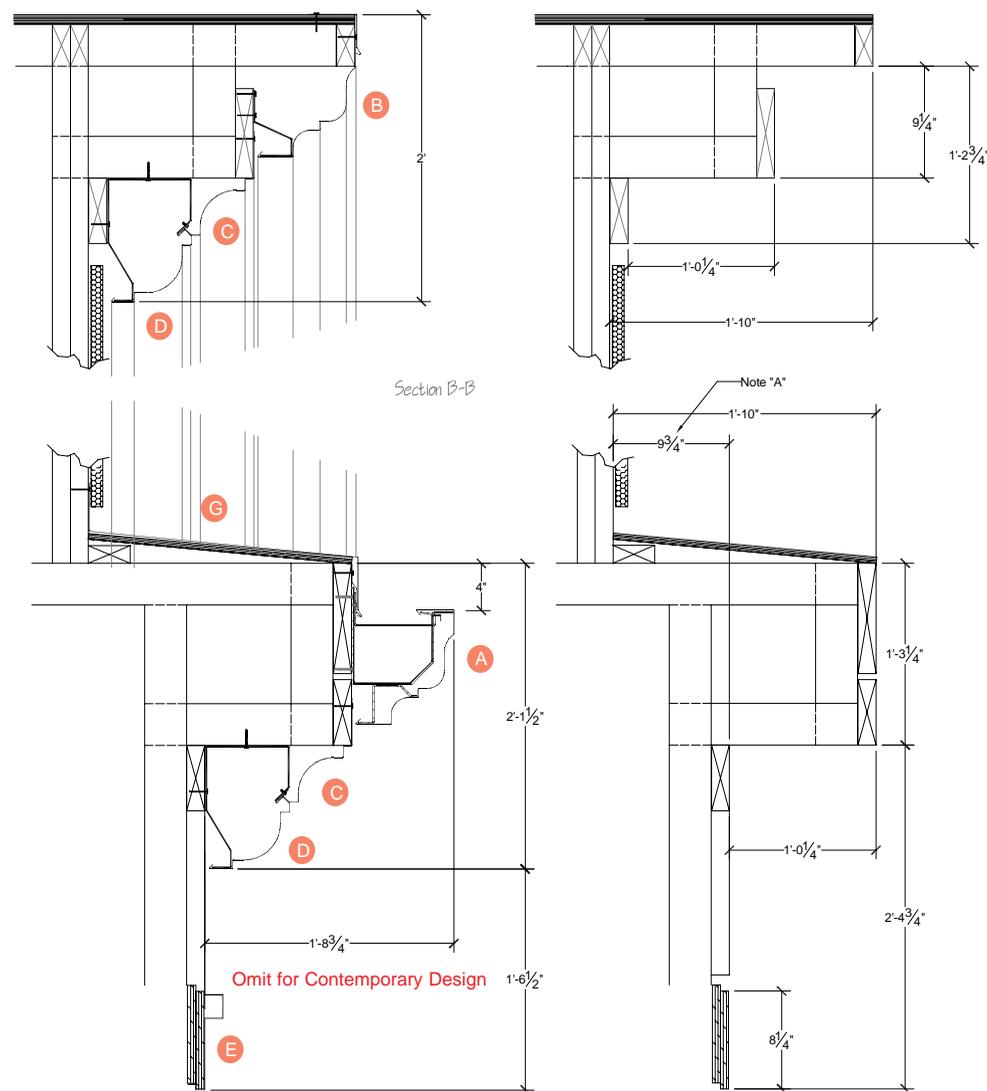
Classic Design



EAVE SECTION 3/4" Scale

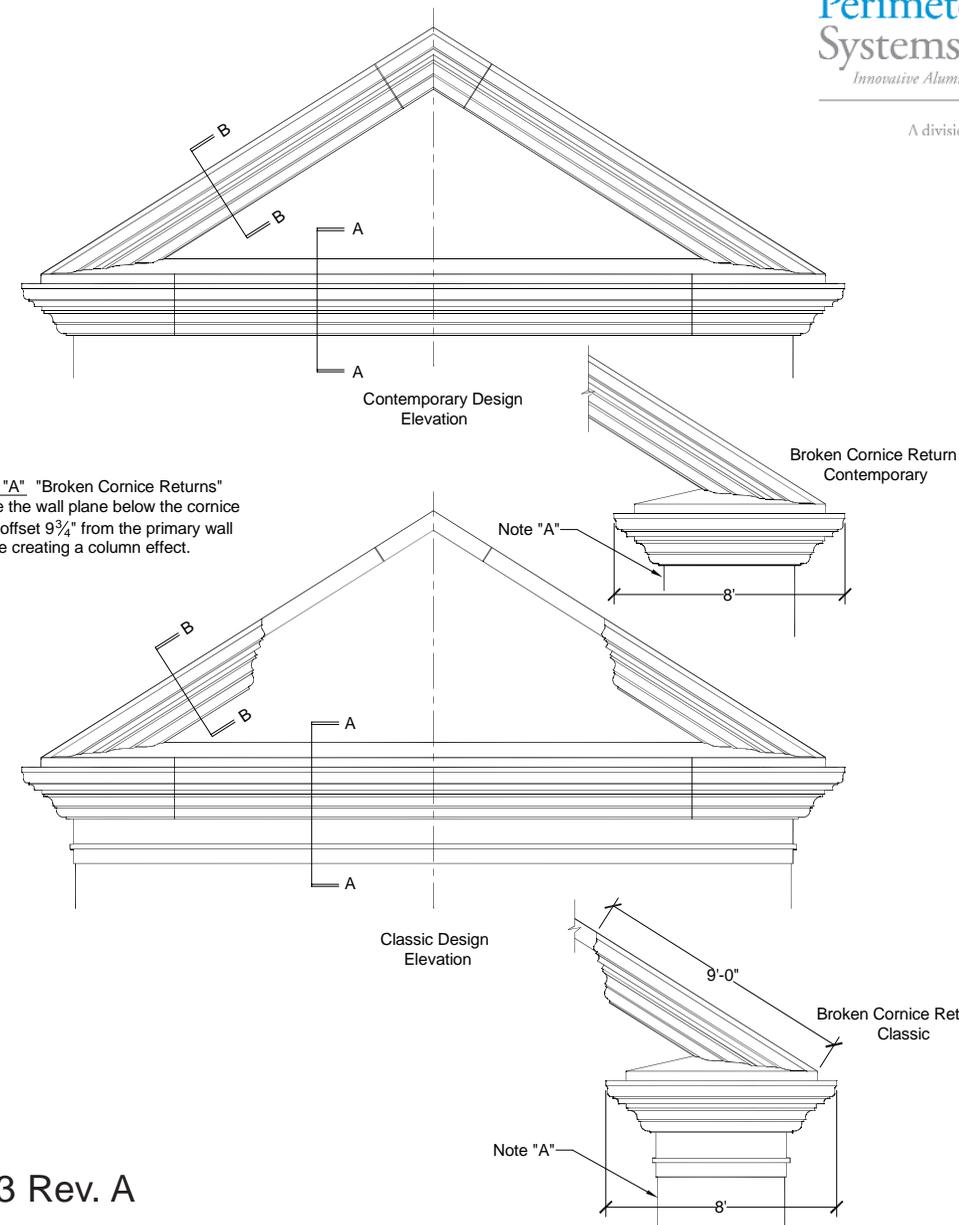


FRAMING DETAIL



### CORNICE DESIGN No. 3 Rev. A

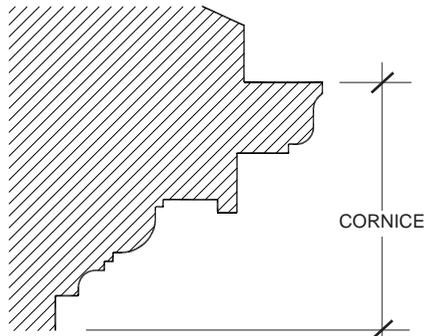
- A** Perimeter System's Designer Series DSR "Roman". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 68 for more details regarding our Roman system.
- B** 8" Roman Moulding, style 3, mounted onto cornice brackets installed at 30" centers. See page 44 for detailed information.
- C** 3" Concave Moulding, style 4, mounted onto cornice brackets installed at 30" centers. See page 50 for detailed information.



NOTE "A" "Broken Cornice Returns" require the wall plane below the cornice return offset 9 3/4" from the primary wall surface creating a column effect.

- D** Convex Moulding, style 3, mounted onto cornice brackets installed at 30" centers. See page 50 for detailed information.
- E** Large Frieze Moulding, style B modified with batten profile, hooked onto trim boards. Omit for the Contemporary Design. See page 54 for more information.
- F** Shelf Flashing

# CORNICE DESIGN No. 4 Rev. A



Contemporary Design



Designer Series Cornice, Design 4, Revised 2006

Nominal Size: Classic: 48" Entablature x 24" Depth  
 Contemporary 20" Entablature x 24" Depth

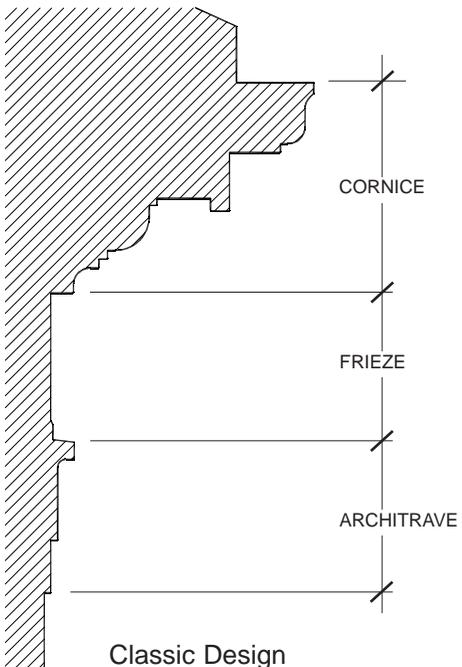
This beautifully sculptured cornice contains 2 mouldings to create a Convex / Concave Reversa pattern, a frieze, optional vented or non-vented soffit and features our Designer Series commercial gutter. Optional components such as dentils, flutes, and engravings may be added. See page 56 for adornments.

Details shown on this and the opposing page utilize our 6" Colonial Gutter System with matching rake trims. As with many of our cornice designs, this cornice easily adapts our 8" concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Colonial Fascia blends well into the overall cornice.

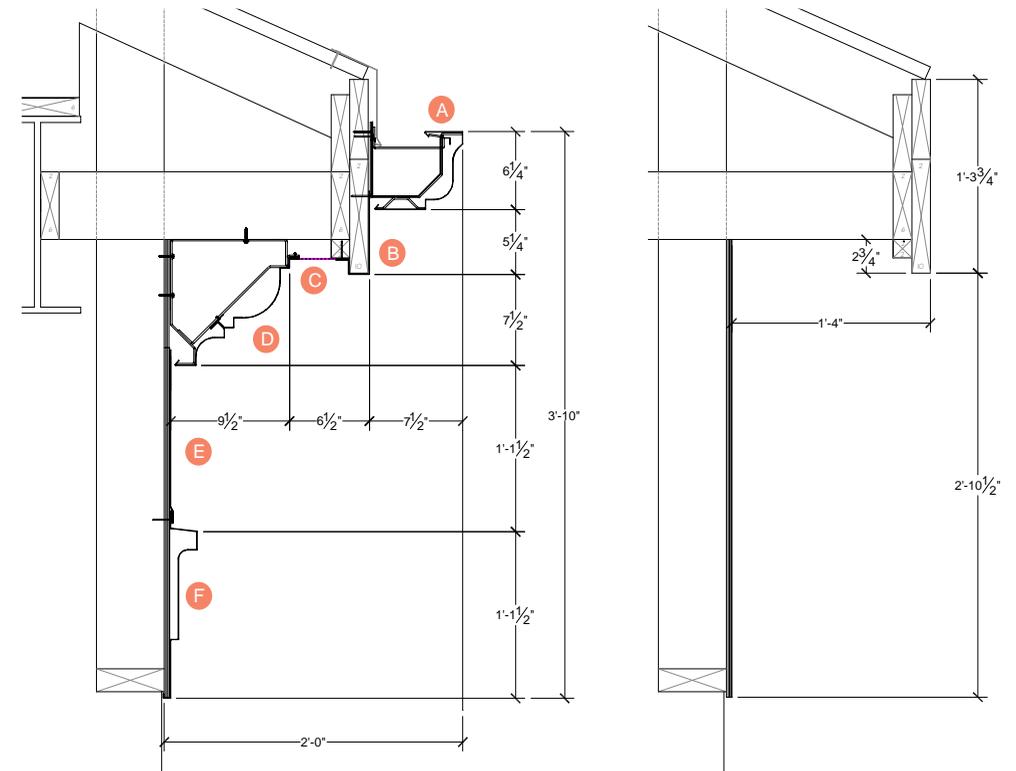
Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the contemporary design (opposite page) or it may be broken as shown in the partial elevation inserts. In addition, the rake cornices may be also broken in a similar manner as shown in the classic design elevation.

We recommend a smaller rake cornice for gables intersecting this cornice due to its exceptionally large depth.

Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.

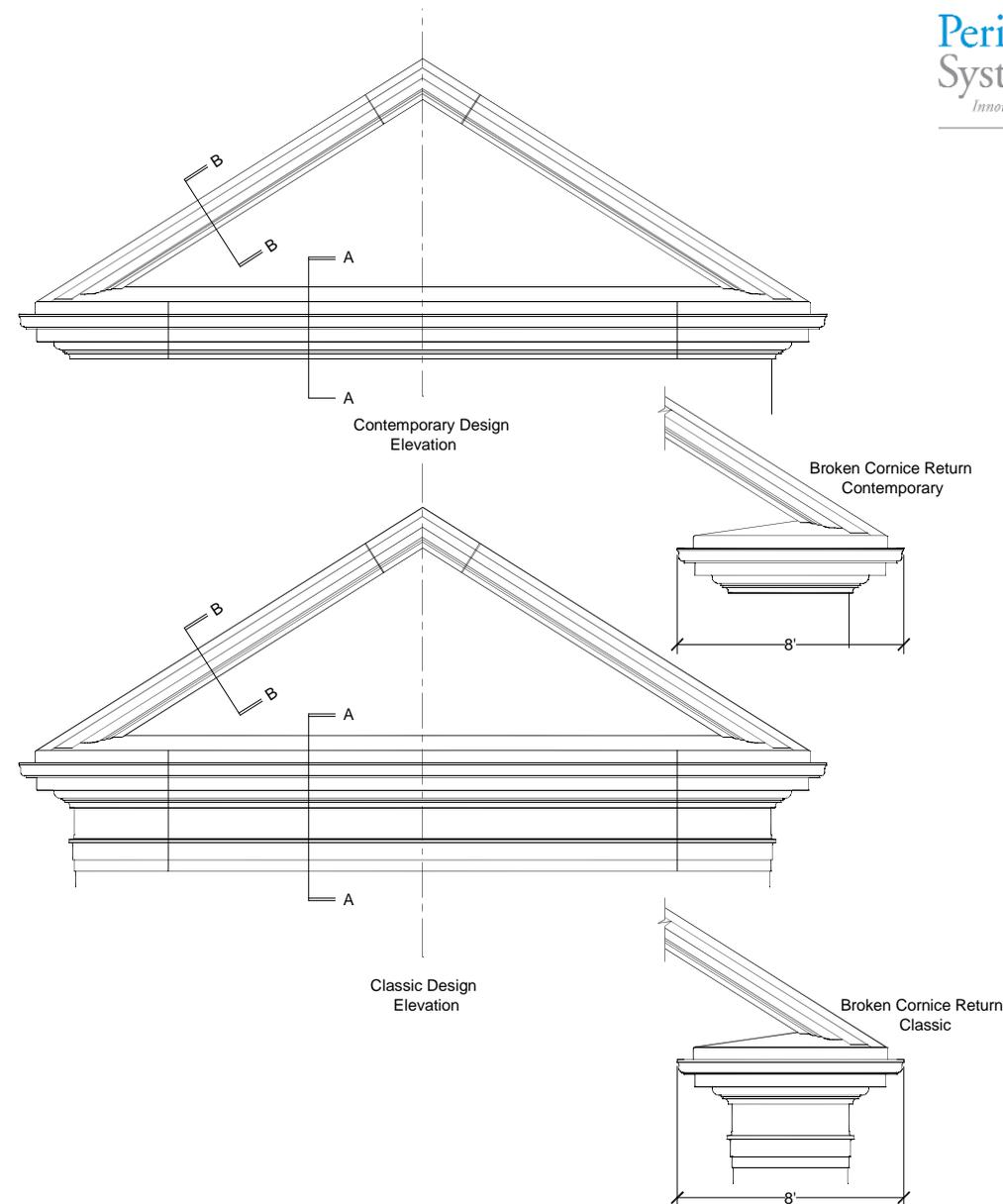
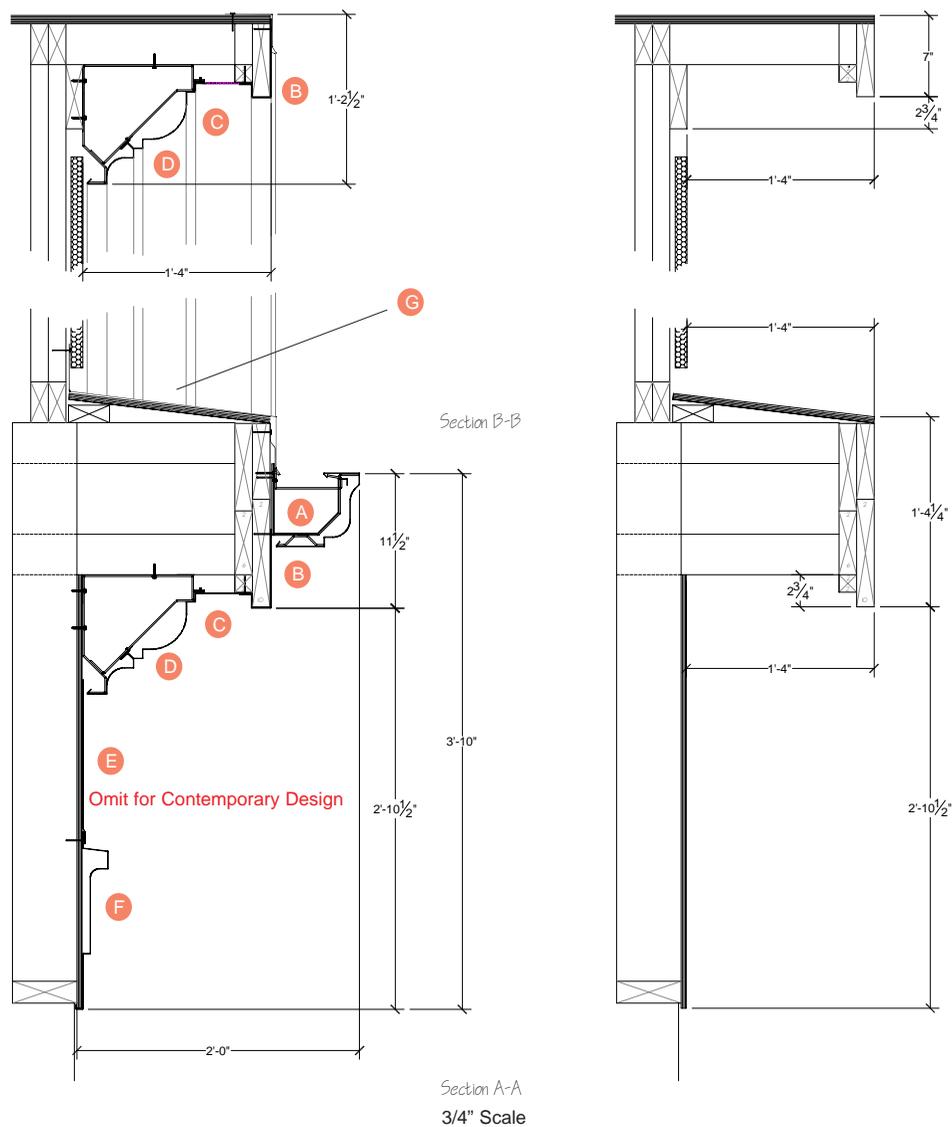


Classic Design



EAVE SECTION 3/4" Scale

FRAMING DETAIL



## CORNICE DESIGN No. 4 Rev. A

- A** Perimeter System's Designer Series DSC "Colonial". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 70 for more details regarding our Colonial system.
- B** J-Cover, soffit model style B, see page 54.
- C** Soffit Vent. See page 58 for detailed information.

- D** Convex & Concave Mouldings. See page 48 for dimensional information.
- E** Frieze Extension Fascia hooked onto architrave moulding. Omit for the Contemporary Design.
- F** Architrave - Large frieze moulding, style A, see page 54 for detailed dimensions. Moulding hooks onto trim boards. Omit for the Contemporary Design.
- G** Shelf Flashing

# CORNICE DESIGN No. 5 Rev. A



Designer Series Cornice, Design 5, Revised 2006

Nominal Size:      Classic:            42" Entablature x 20" Depth  
                          Contemporary      28" Entablature x 20" Depth

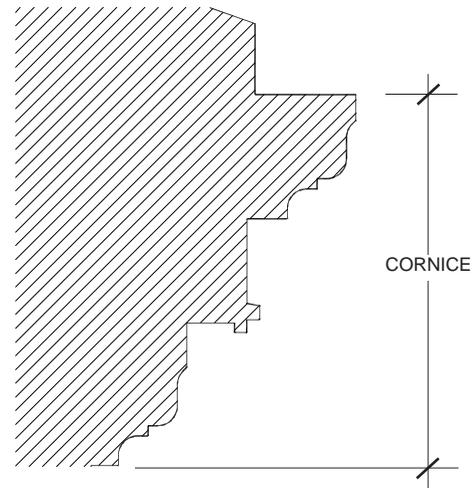
Cornice Design 5 boasts a large entablature with a small depth -- features our Designer Series Roman Gutter System stepped with an additional Roman Moulding. Profiles are separated with 2 Frieze trims along with a continuous vented soffit. Optional components such as dentils, flutes, and engravings may be added. See page 56.

Details shown on this and the opposing page utilize our 8" Roman Gutter system with matching rake trims. As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Roman Fascia blends well into the overall cornice.

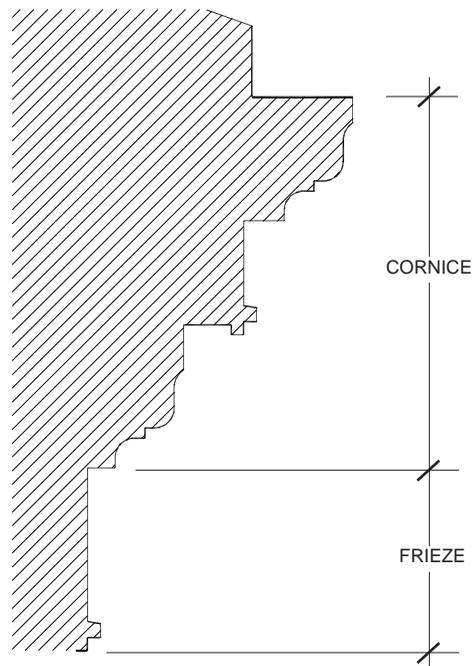
Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the contemporary design (opposing page) or it may be broken as shown in the partial elevation inserts. In addition, the rake cornices may be also broken in a similar manner as shown in the classic design elevation.

We recommend a smaller rake cornice for gables intersecting this cornice due to its exceptionally large depth.

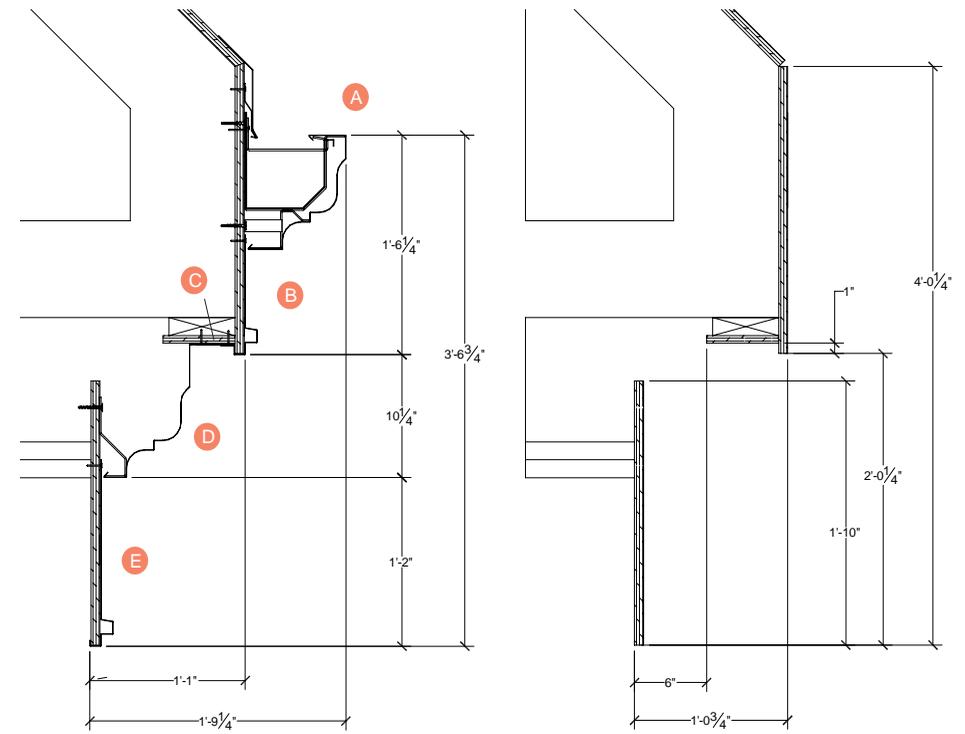
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



Contemporary Design



Classic Design



EAVE SECTION 3/4" Scale

FRAMING DETAIL



# CORNICE DESIGN No. 6 Rev. A



Designer Series Cornice, Design 6, Revised 2006

Nominal Size: Classic: 31" Entablature x 33" Depth  
 Contemporary: 24" Entablature x 33" Depth

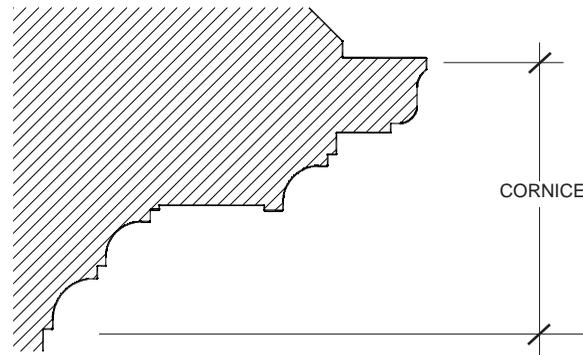
This beautifully sculptured cornice contains 3 cavetto shape mouldings, a frieze, optional vented or non-vented soffit and features our Designer Series commercial gutter. Optional components such as dentils, flutes, and engravings may be added, see page 56.

Details shown on this and the opposing page utilize our 6" Colonial Gutter System with matching rake trims. As with many of our cornice designs, this cornice easily adapts our 8" concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Colonial Fascia blends well into the overall cornice.

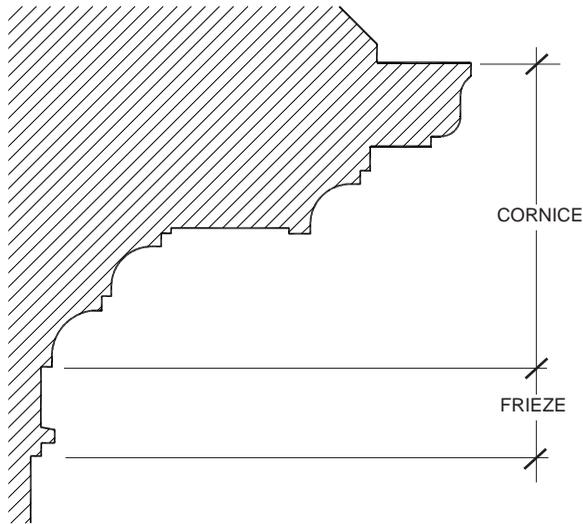
Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the contemporary design (opposing page) or it may be broken as shown in the partial elevation inserts. In addition, the rake cornices may be also broken in a similar manner as shown in the classic design elevation.

We recommend a smaller rake cornice for gables intersecting this cornice due to it exceptionally large depth.

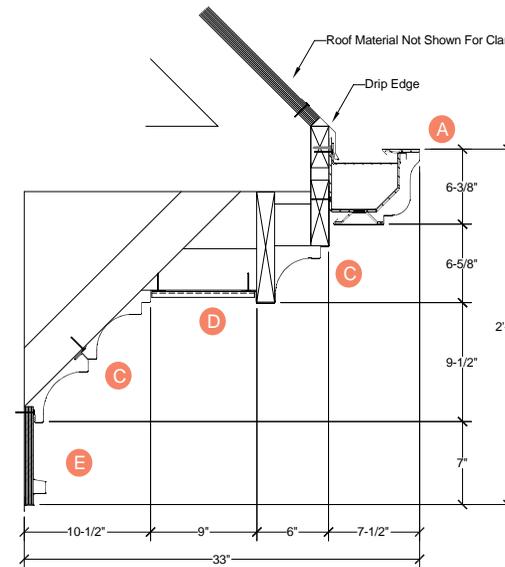
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



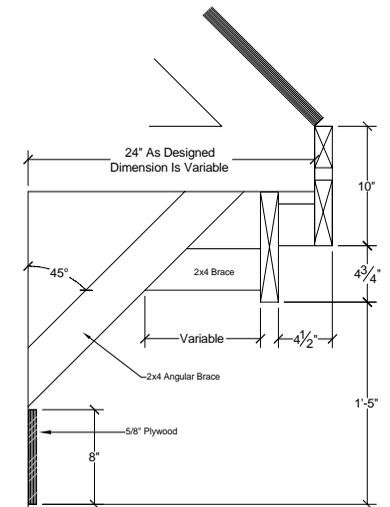
Contemporary Design



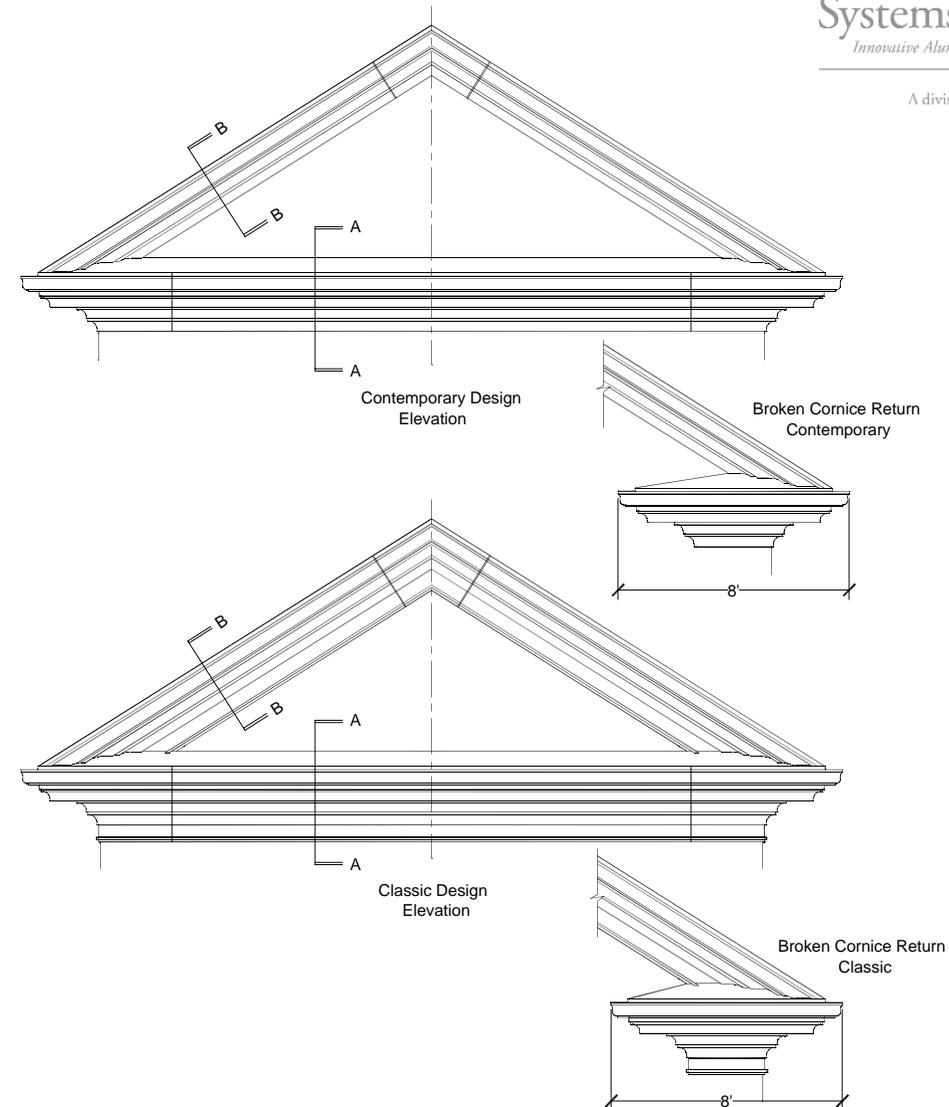
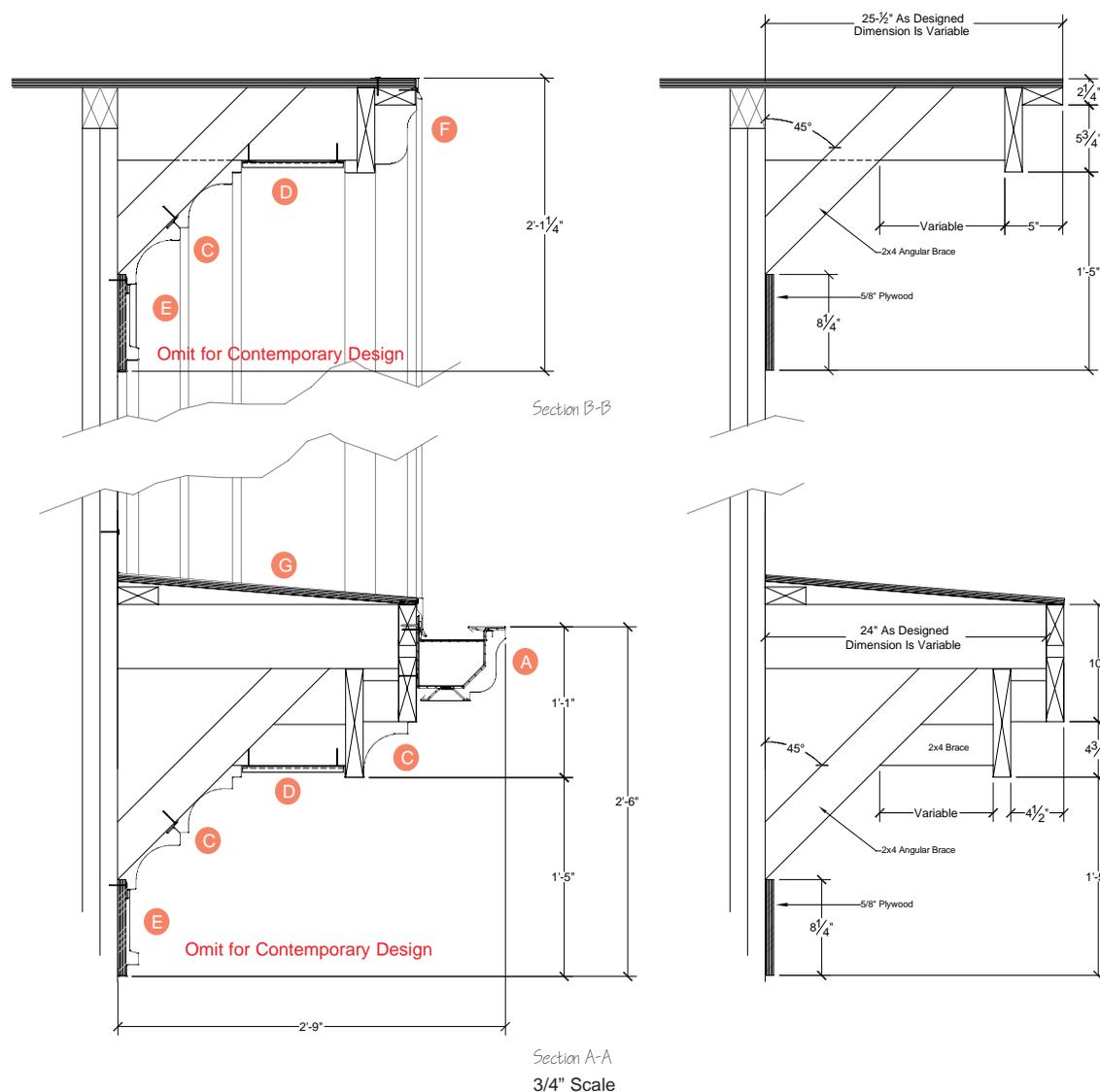
Classic Design



EAVE SECTION 3/4" Scale



FRAMING DETAIL



## CORNICE DESIGN No. 6 Rev. A

- A** Perimeter System's Designer Series DSC "Colonial". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 70.
- B** Liner and bracket assembly.
- C** 3" Concave Mould Type 1 & 4, see page 50 for detailed dimensions.
- D** Soffit Panels with interlocking joints, soffit may be ordered solid or vented, see page 58.
- E** Frieze - Box Trim, style A, hooked onto trim boards. Omit for the Contemporary Design.
- F** Colonial Fascia Rake Mould, style 3, see page 47 for detailed dimensions. Rake Fascia hooks onto trim boards.
- G** Shelf Flashing

# CORNICE DESIGN No. 7



Designer Series Cornice, Design 7

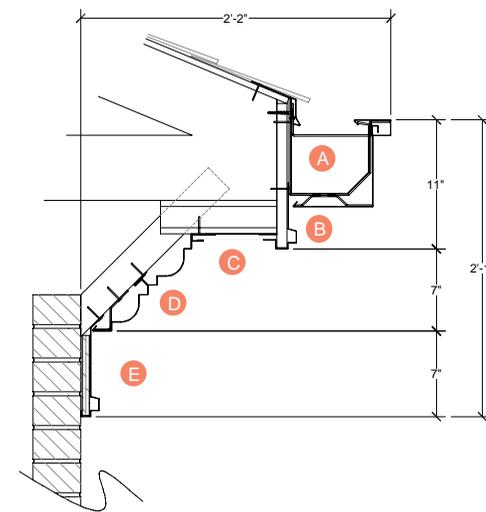
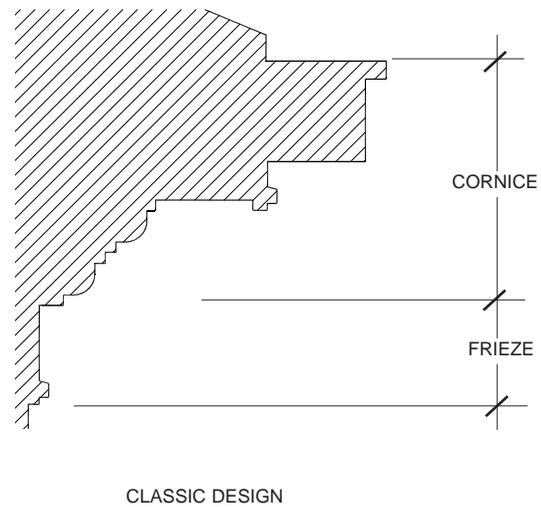
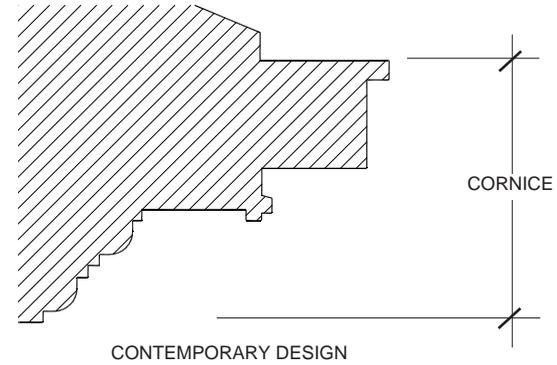
Nominal Size: Classic: 25" Entablature x 26" Depth  
 Contemporary 18" Entablature x 26" Depth

Cornice Design 7 provides a small entablature with a large depth -- features a frieze, a double set of convex mouldings, optional vented or non-vented soffit and features our Designer Series Batten commercial gutter. Optional components such as dentils, flutes, and engravings may be added, see page 56.

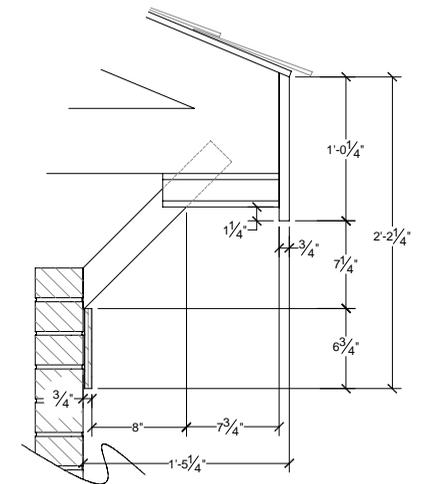
As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Batten Fascia blends well into the overall cornice.

Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the classic design (opposing page) The rake cornice for gables features the same profiles as the main cornice.

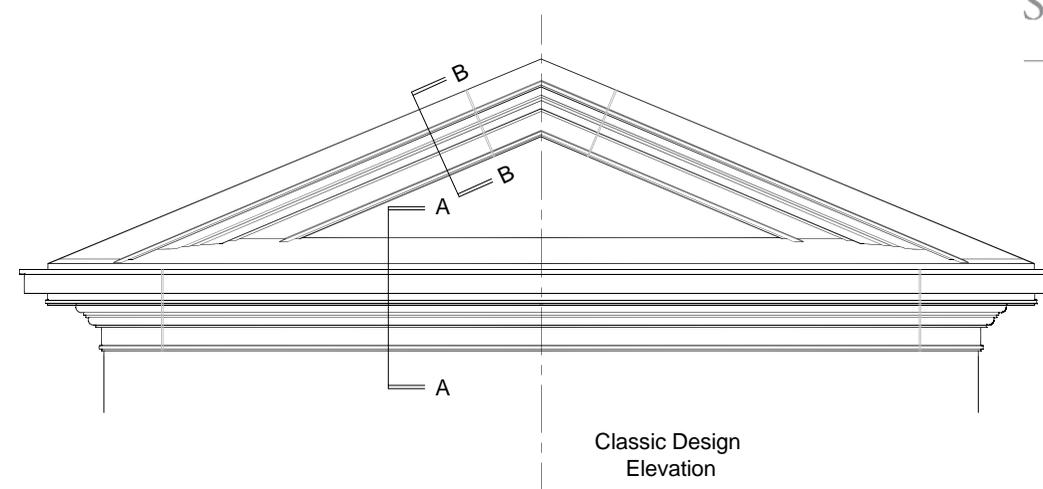
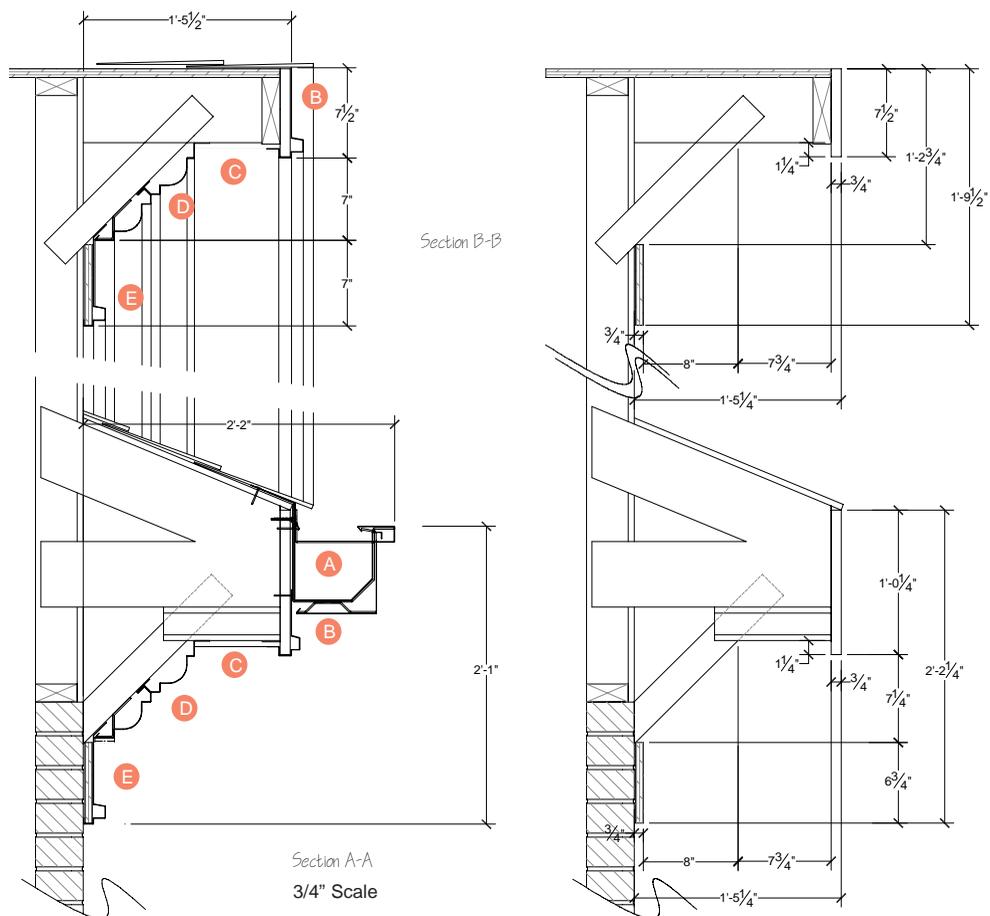
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



EAVE SECTION 3/4" Scale



FRAMING DETAIL



## CORNICE DESIGN No. 7

- A** Perimeter System's Designer Series DSB "Batten". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 72 for our Batten System commercial gutter details.
- B** Box Trim, style B, for soffit mounting. See page 54 for details.
- C** Soffit Panel, full vented, half vented, & solid available. See page 58 for detailed information.
- D** 1-1/2" dual convex mouldings, styles 3 & 4, mounted onto cornice brackets which are attached to sub framing. See page 50 for detailed information.
- E** Box Trim, style A, for trim mounting. See page 54 for details.

# CORNICE DESIGN No. 8 Rev. A



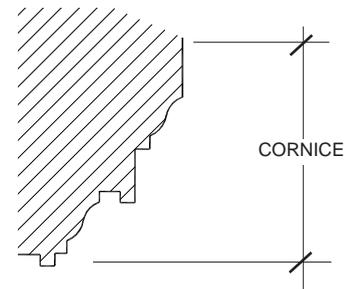
Designer Series Cornice, Design 8

Nominal Size: Classic: 18+” Entablature x 12” Depth  
 Contemporary 10” Entablature x 12” Depth

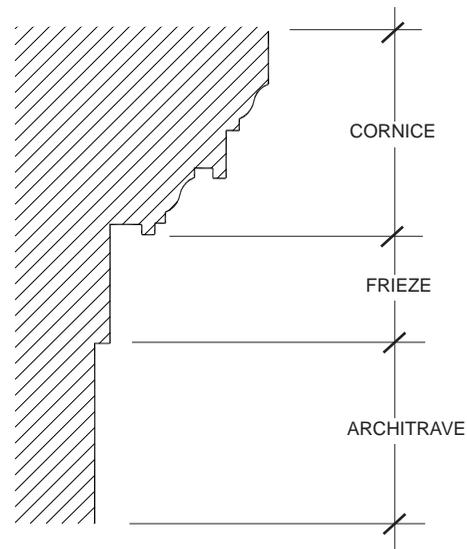
Cornice Design 8 is a very popular profile using dual crown mouldings. These crown mouldings feature a small radius for their convex and concave profile. These small radius mouldings simulate wood trim more so than stone work. This cornice design also lends itself well to parapets and roofs where gutters are not required. With some creative use of additional mouldings dentils, flutes, and engravings may be added. See page 56.

Details shown on this page show this cornice design applied to a gazebo's steep sloped roof. Page 27 shows this cornice applied to a parapet.

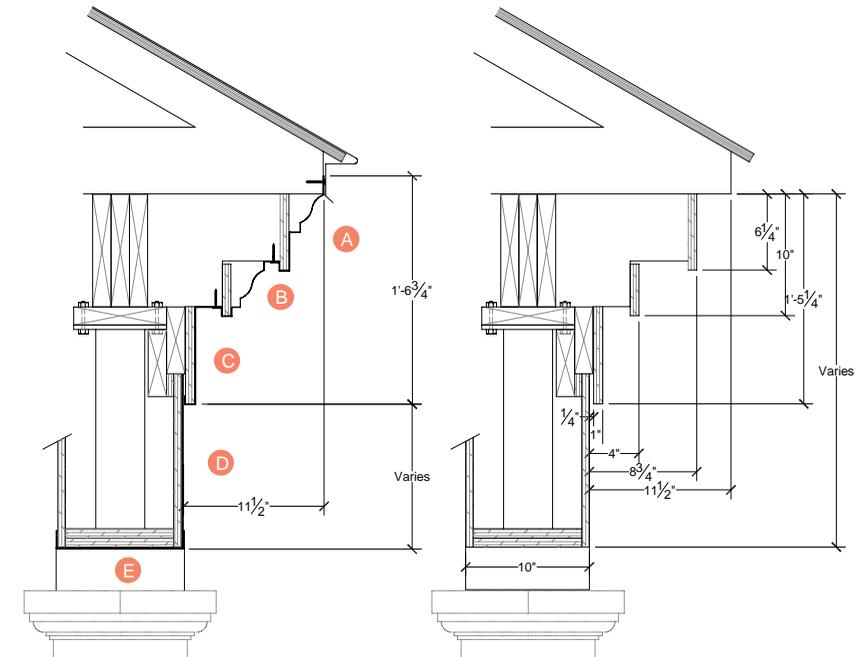
While framing shown is a suggestion it is strongly recommended not to deviate much as this cornice requires more precise attachment and fastening points than our other cornice.



CONTEMPORARY DESIGN

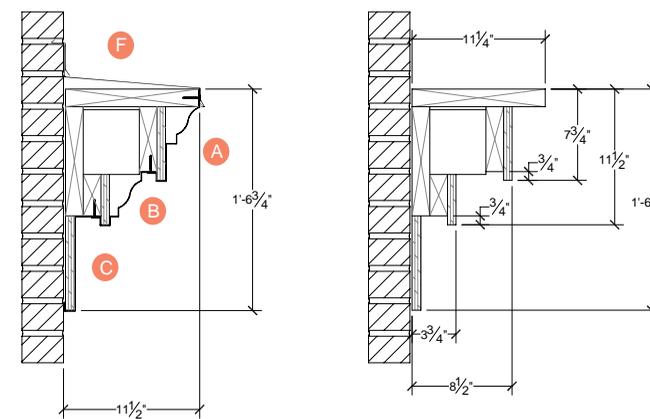


CLASSIC DESIGN



EAVE SECTION 3/4" Scale

FRAMING DETAIL



PARAPET SECTION  
3/4" Scale

FRAMING DETAIL



## CORNICE DESIGN No. 8 Rev. A

- A** Cornice Crown Moulding, style 1, mounted onto wood framing.
- B** Cornice Crown Moulding, style 2, mounted onto wood framing. See page 48 for crown moulding details.
- C** Frieze J-Cover, style C, mounted onto wood framing. See page 54 for detail information.
- D** Custom moulding fabricated in an arch for the architrave.
- E** Custom soffit fabricated in an arch. We can fabricate a lot of different shapes too numerous and complex to show in this guide. Please give us a call for your custom application... we take pride in custom fabrication capabilities.
- F** Shelf Flashing.

# CORNICE DESIGN No. 9 Rev. A



Designer Series Cornice, Design 9 Revised 2006

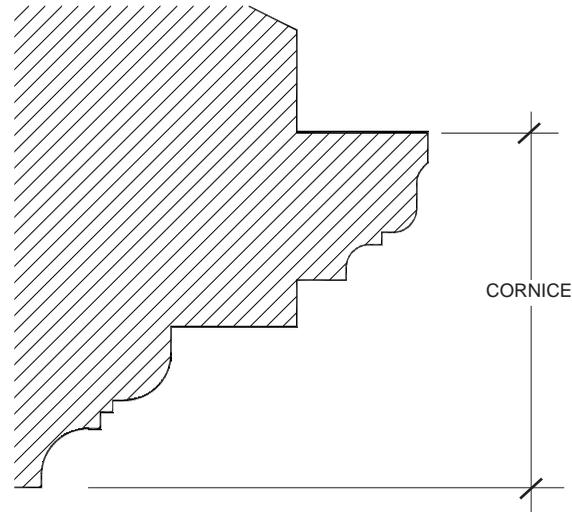
Nominal Size: Classic: 32" Entablature x 26" Depth  
 Contemporary 24" Entablature x 16" Depth

This striking cornice features our Designer Series "Roman Profile" commercial gutter, 2 simple convex/concave mouldings, a frieze, and architrave. Optional components such as dentils, flutes, and engravings may be added. See page 56.

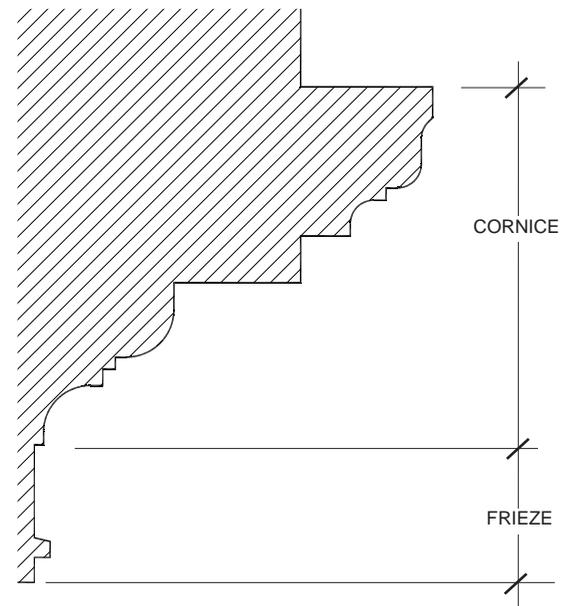
Details shown on this and the opposing page utilize our 8" Roman Gutter system with matching rake trims. As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Roman Fascia blends well into the overall cornice.

Gabled ends can be finished with the cornice completely wrapping the structure it may be continued up the roof's rake as shown in the photographs and elevation on page 29.

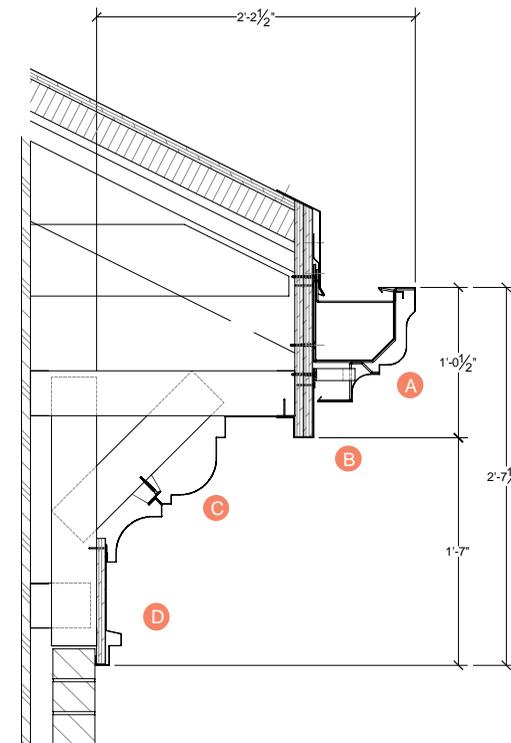
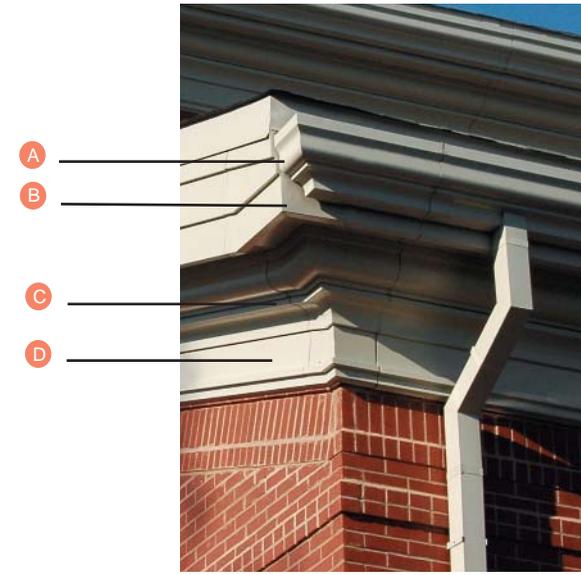
The framing detail shown is merely a suggestion and you should frame your building eaves in the manner necessary to suit your criteria. The primary purpose of our framing detail is to provide you with dimensional information necessary for fastening our gutter and cornice members.



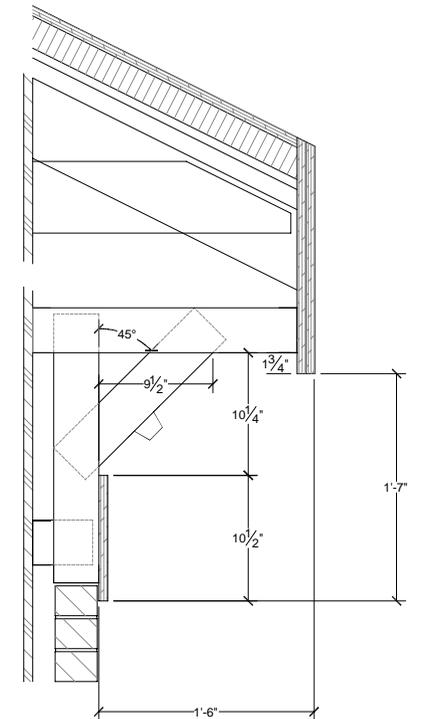
CONTEMPORARY DESIGN



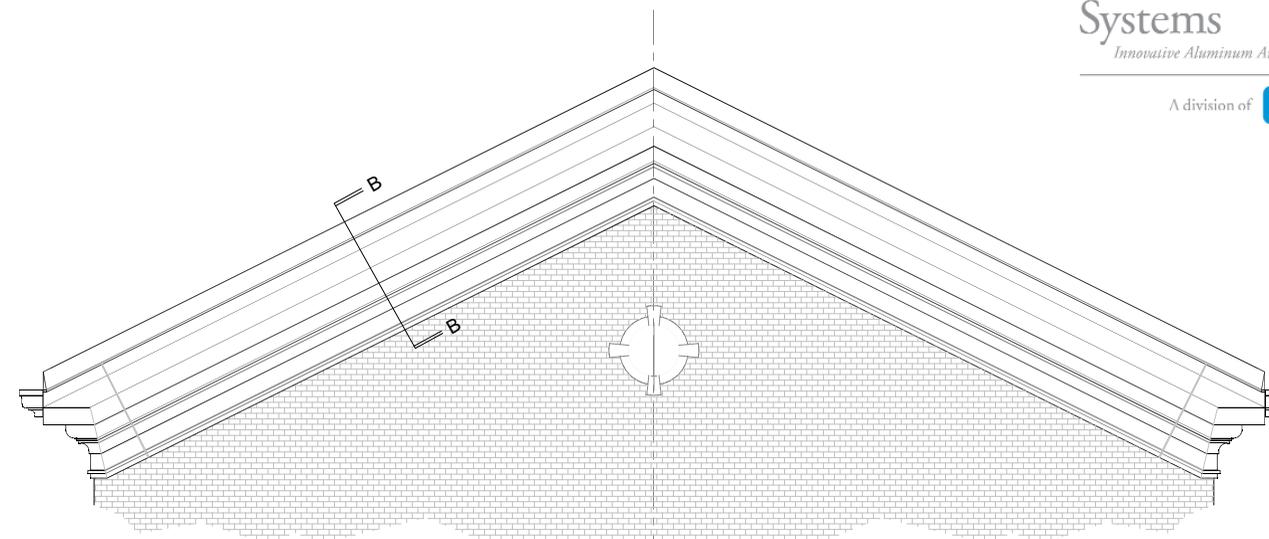
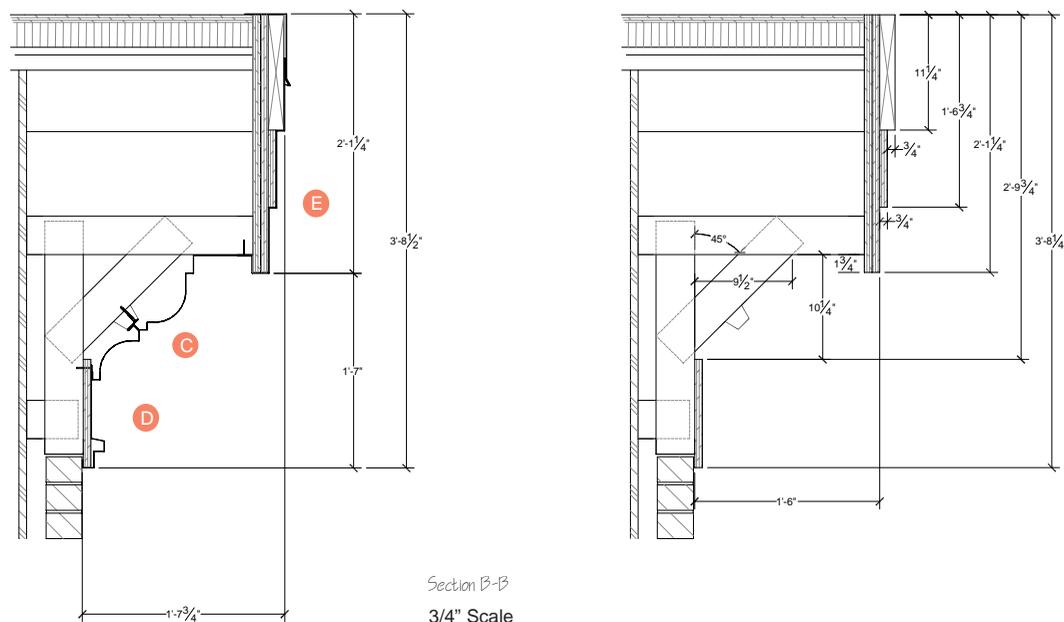
CLASSIC DESIGN



EAVE SECTION 3/4" Scale



FRAMING DETAIL



Classic Design Elevation



## CORNICE DESIGN No. 9 Rev. A

- A** Perimeter System's Designer Series DSR "Roman". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 68 for more details regarding our Roman system.
- B** J-Cover, soffit model style B, see page 54.
- C** 3" Concave Moulding, styles 3 & 3" convex moulding, styles 4. See page 50 for detailed information.
- D** Box Trim, style A, for trim mounting. See page 54 for details.
- E** Custom rake fascia.

# CORNICE DESIGN No. 10



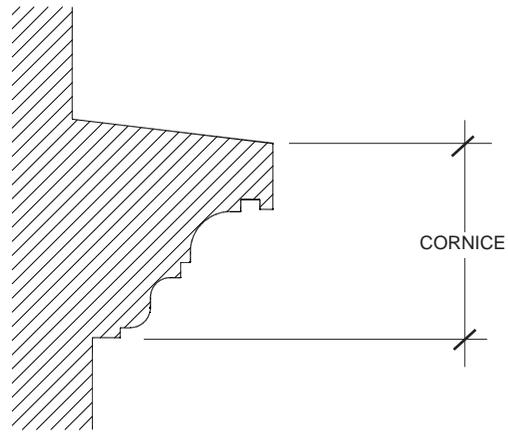
Designer Series Cornice, Design 10

Nominal Size:	Classic:	24" Entablature x 15" Depth
	Contemporary:	15" Entablature x 15" Depth

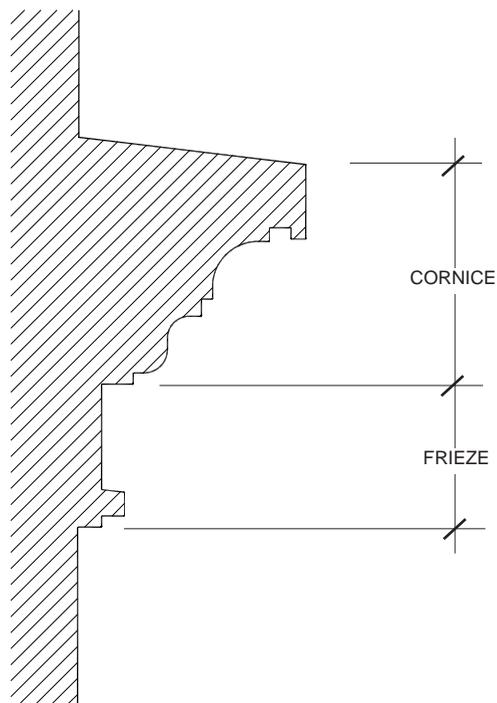
Cornice Design 10 is a very popular profile for use with parapets as well roof eaves. This cornice design uses a large 3" convex moulding with a scrolled 1-1/2" moulding along with a frieze moulding. This cornice design also lends itself well to parapets and roofs where gutters are not required. With some creative use of additional mouldings dentils, flutes, and engravings may be added. See page 56.

Details and photographs shown on this page show this cornice design applied to a parapet. Page 31 shows how this cornice would be applied to a gabled end. The rake edges utilize a simple roman trim with a frieze.

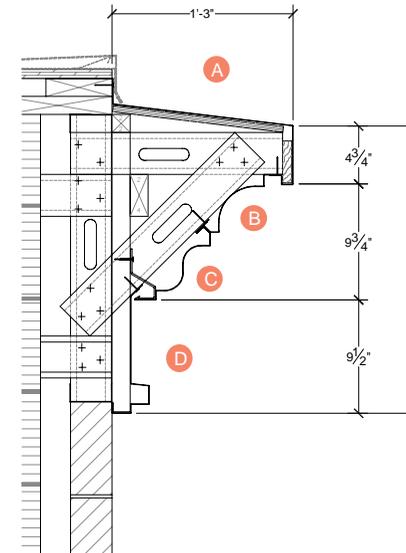
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



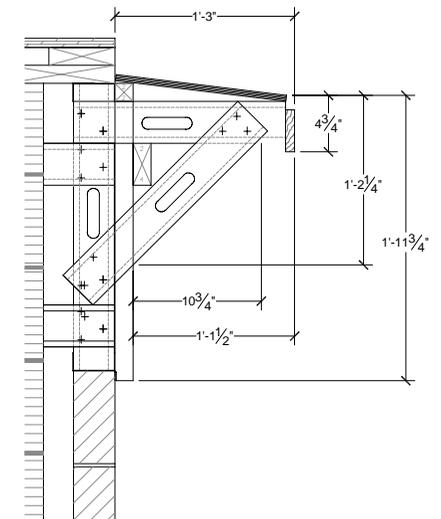
CONTEMPORARY DESIGN



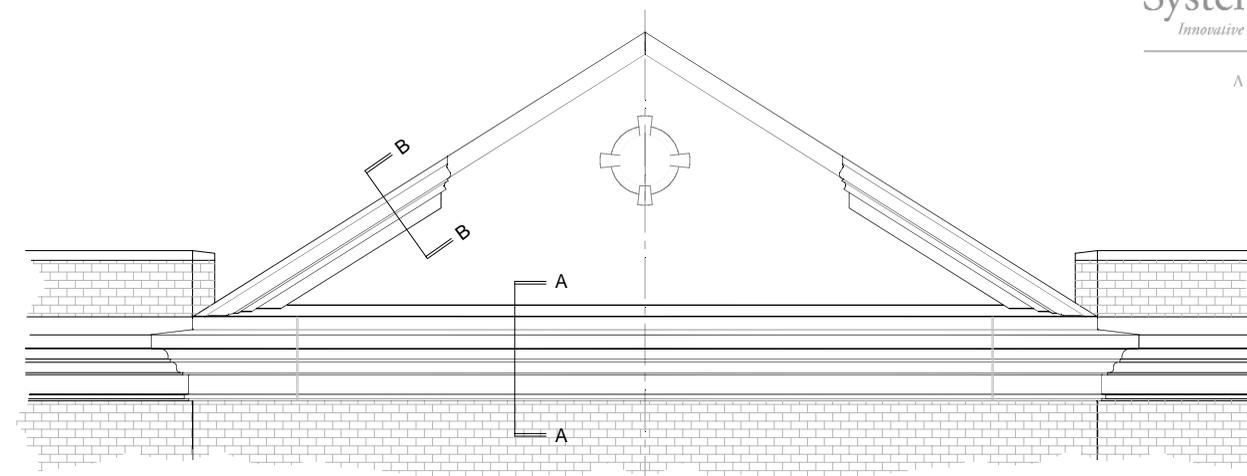
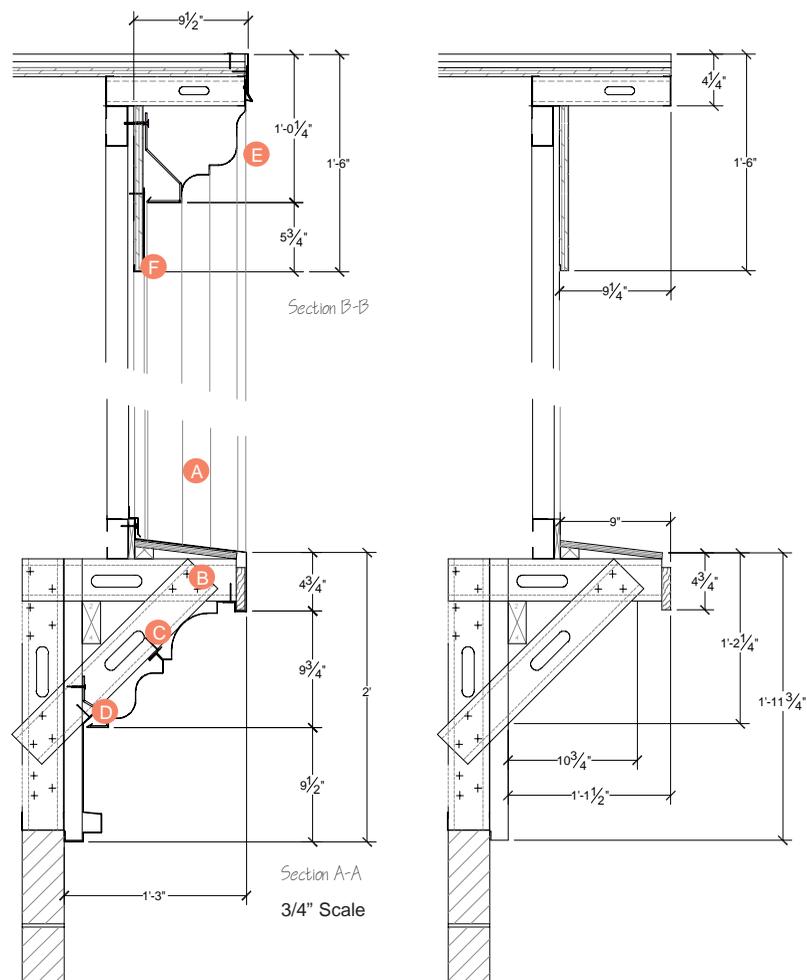
CLASSIC DESIGN



EAVE SECTION 3/4" Scale



FRAMING DETAIL



Classic Design  
Elevation



## CORNICE DESIGN No. 10

- A** Shelf Flashing designed to form a fascia wrap.
- B** 3" Concave Moulding, style 4 (modified for soffit mounting), mounted to framing. See page 50 for detailed dimensional information.
- C** LZ-1 Moulding, style 3, attached to framing and mounted onto cornice brackets. See page 52 for detailed dimensional information.
- D** Box Trim Frieze moulding, style A, hooked onto trim boards. Box Trims are located on page 54.
- E** 8" Roman Cornice Moulding mounted on roof surface and hooked onto cornice brackets. Roman Cornice Mouldings are located on page 44.
- F** J-Cover Frieze Moulding installed over wood trims.

## CORNICE DESIGN No. 11



Designer Series Cornice, Design 11

Nominal Size:      Classic:            36" Entablature x 20" Depth  
                          Contemporary      18" Entablature x 20" Depth

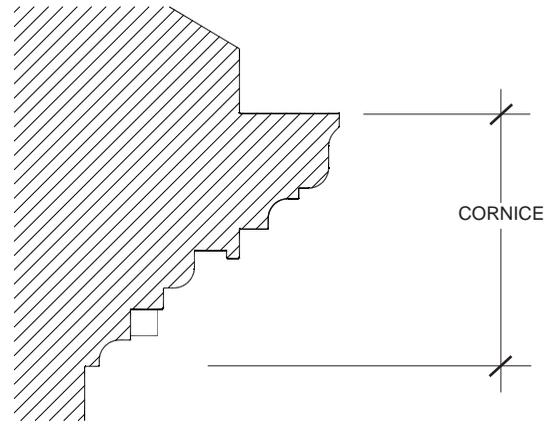
Cornice Design 11 boasts a large entablature with a small depth -- features our Designer Series Roman Gutter System stepped with an additional Roman Moulding. Profiles are separated with 2 Frieze trims along with a continuous vented soffit. Optional components such as dentils, flutes, and engravings may be added, see page 56.

Details shown on this and the opposing page utilize our 6" Roman Gutter system with matching rake trims. As with many of our cornice designs, this cornice easily adapts our 8" concealed gutter / internal drainage system allowing you to eliminate exposed downspouts -- the gutter's Roman Fascia blends well into the overall cornice.

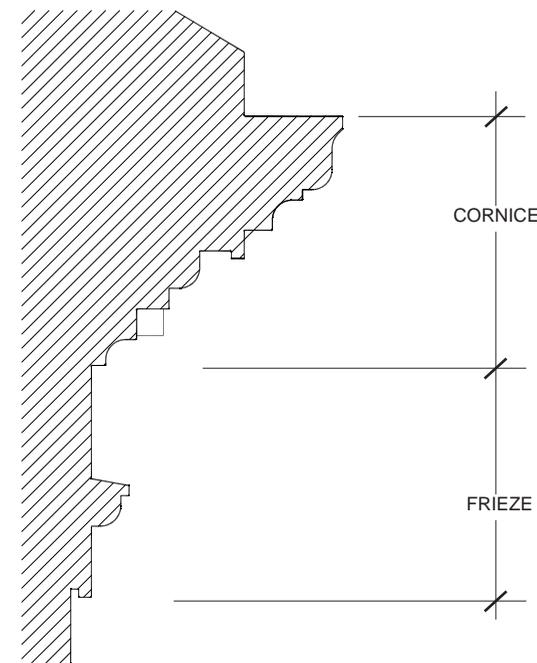
Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevation of the contemporary design (opposite page) or it may be broken as shown in the partial elevation inserts. In addition, the rake cornices may be also broken in a similar manner as shown in the classic design elevation.

We recommend a smaller rake cornice for gables intersecting this cornice due to it exceptionally large depth.

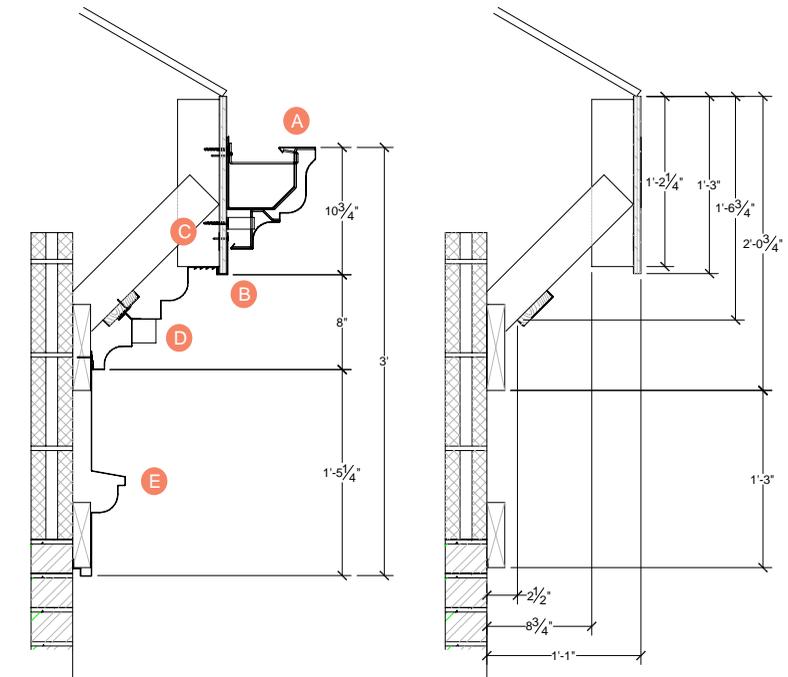
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



Contemporary Design

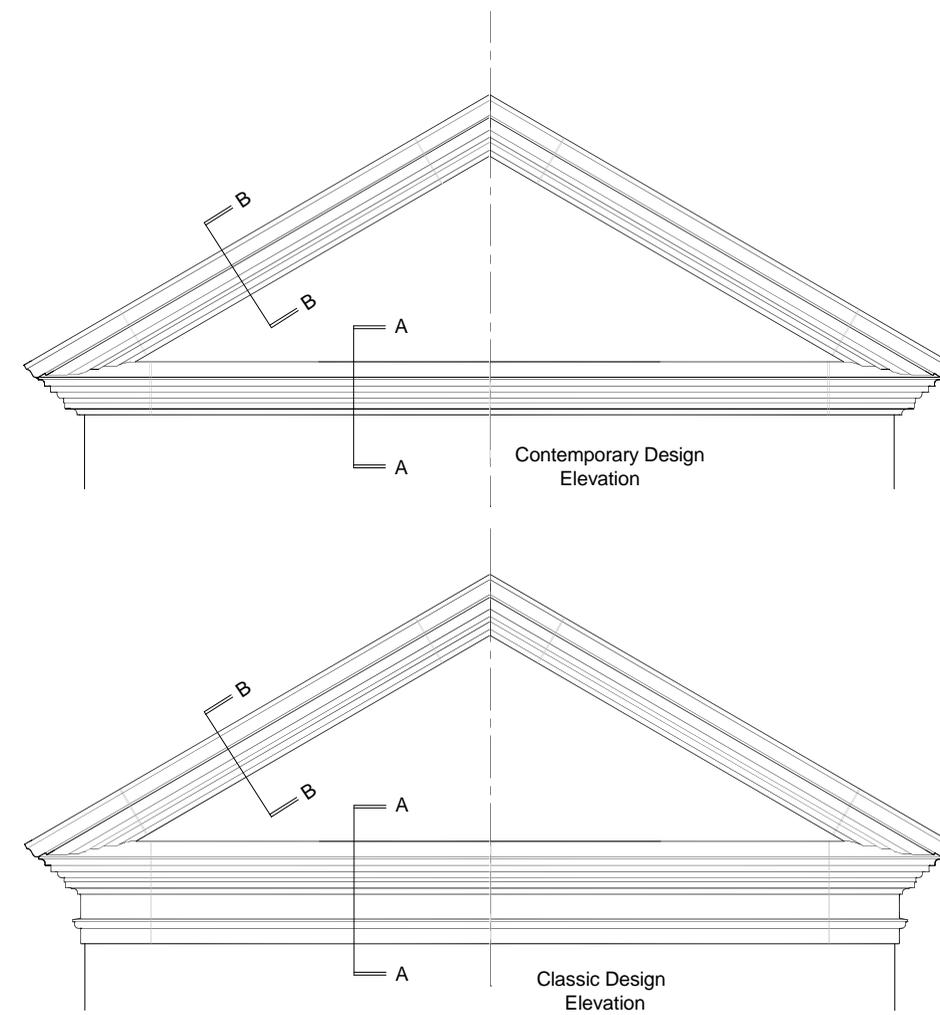
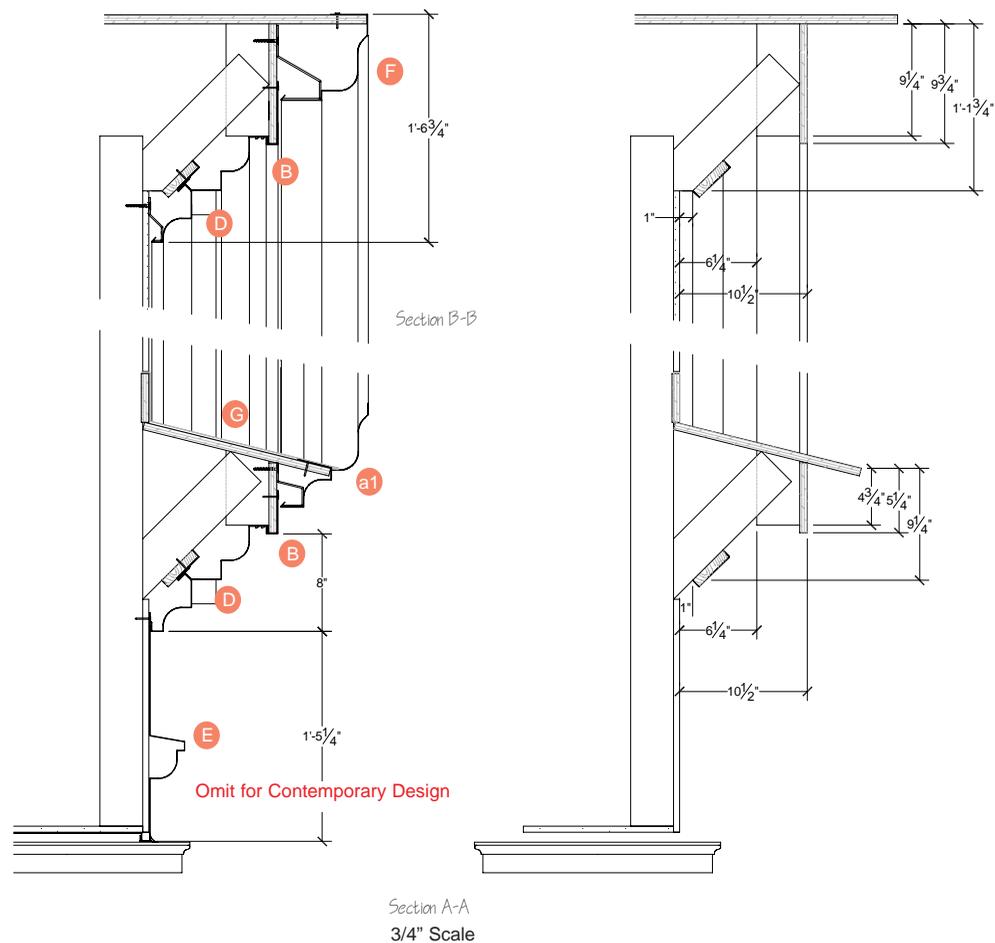


Classic Design



EAVE SECTION 3/4" Scale

FRAMING DETAIL



## CORNICE DESIGN No. 11

- A** Perimeter System's Designer Series DSR "Roman". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 68 for more details regarding our Roman system.
- a1** Custom Roman miter to join with rake edge.
- B** J-Cover, style B, see page 54.
- C** This call out is used to identify venting which is possible with most of our cornice trims. We offer louver and perforated holes for venting.
- D** Convex & Concave Mouldings. See page 50 for dimensional information.
- E** Large Frieze Fascia, style 3, hooked onto trim boards. Omit for the Contemporary Design.
- F** 6" Colonial Rake Trim, style 2, fastened to roof deck and hooked onto cornice brackets. See page 46 for detail information.
- G** Shelf Flashing

## CORNICE DESIGN No.12



Designer Series Cornice, Design 12

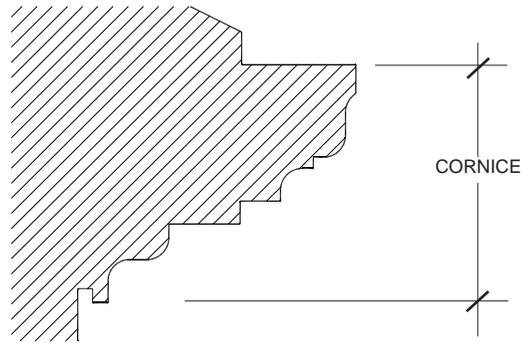
Nominal Size:      Classic:            36" Entablature x 20" Depth  
                          Contemporary      18" Entablature x 20" Depth

Cornice Design 12 offers simple mouldings to create a large entablature with a small depth -- featuring our Designer Series Roman Gutter System stepped with an compound curved LZ trim and finished with a large frieze trim. Optional components such as dentils, flutes, and engravings may be added. See page 56.

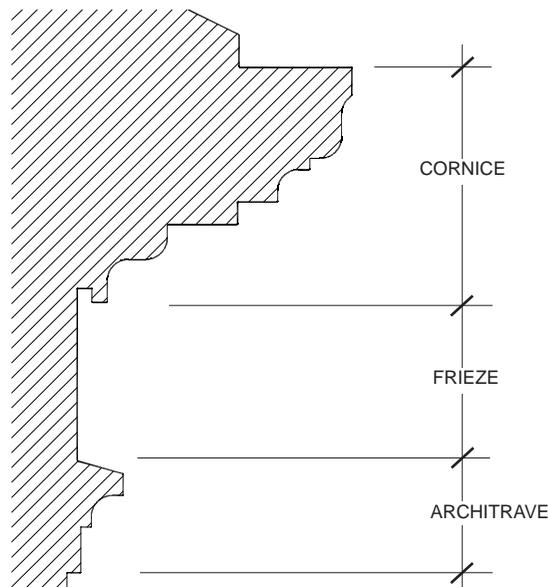
Details shown on this and the opposing page utilize our 8" Roman Gutter system with Colonial rake trims. As with many of our cornice designs, this cornice easily adapts our concealed gutter / internal drainage system allowing you to eliminate exposed downspouts.

Gabled ends can be finished with the cornice completely wrapping the structure as shown in the elevations (opposing page) or it may be broken as shown with our previous cornice designs. We recommend a smaller rake cornice utilizing our Colonial moulding due to the cornice's exceptionally large depth.

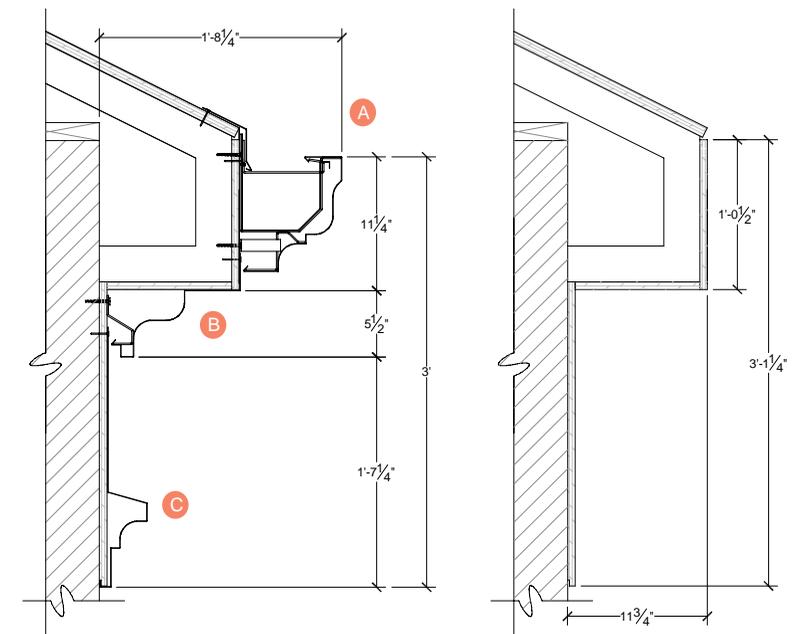
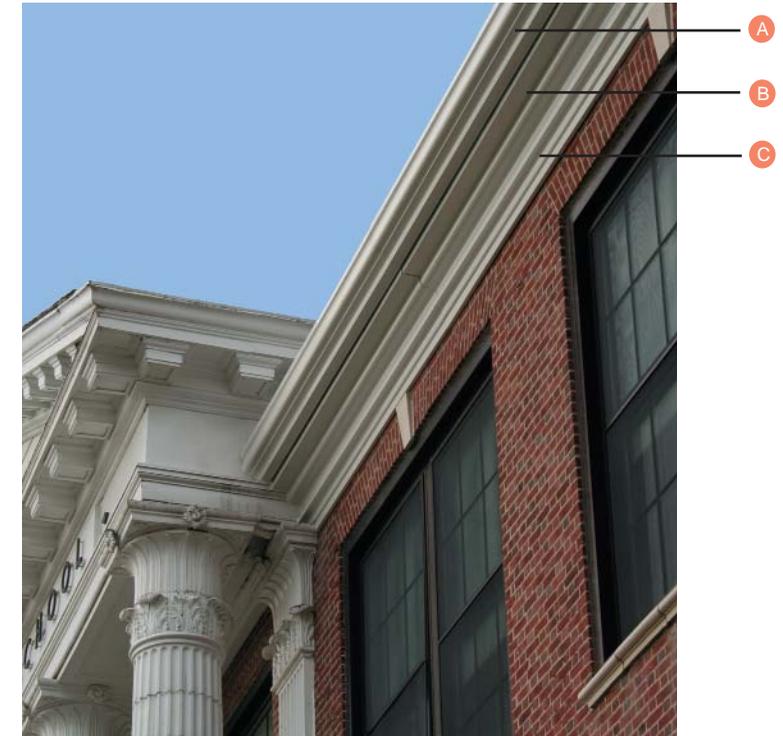
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.

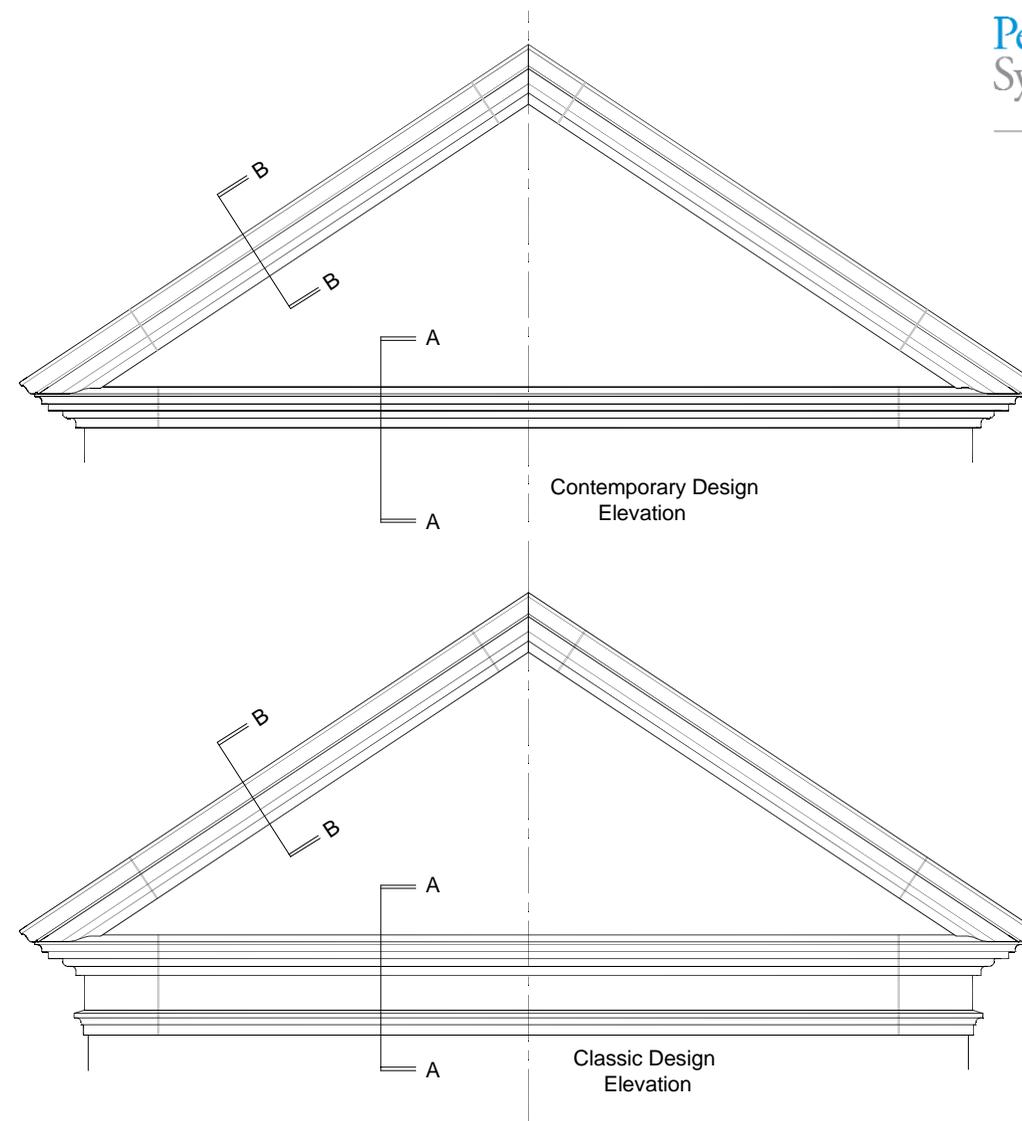
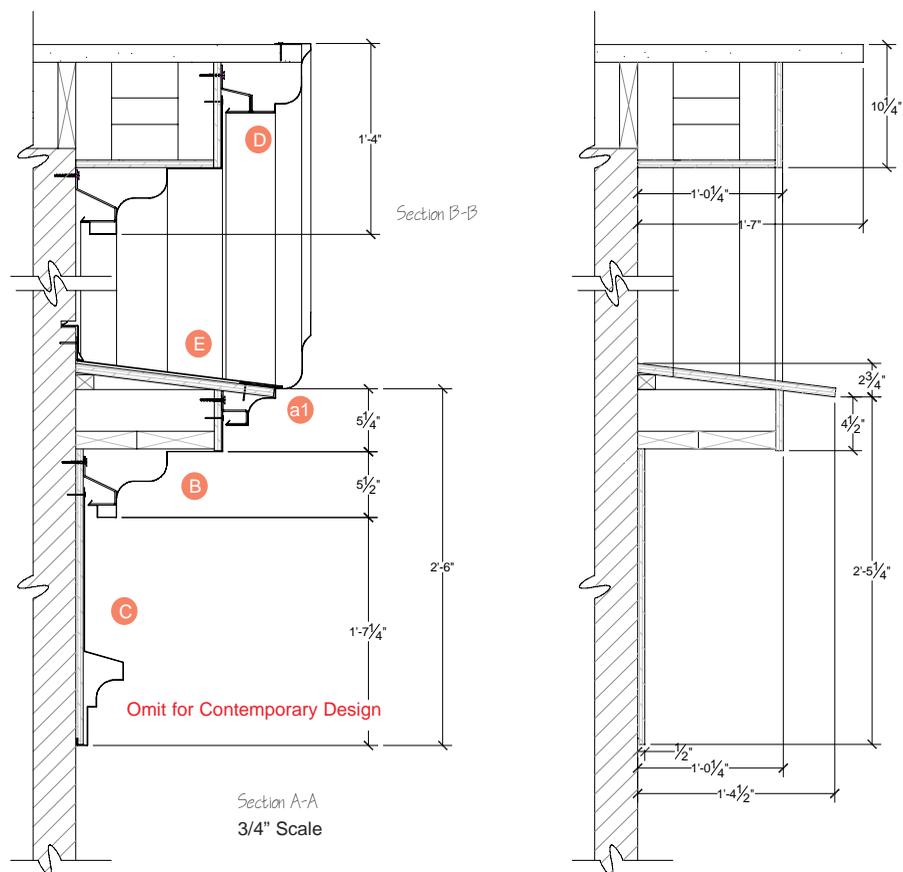


Contemporary Design



Classic Design





## CORNICE DESIGN No. 12

- A** Perimeter System's Designer Series DSR "Roman". Either the 6" or 8" profile may be used with this cornice design. If your project is subject to snow and ice conditions, and your distance to the roof ridge is greater than 15' then you should lower the gutter below the roof's ice plane. You should also consider using snow guards. Simple adjustments to your framing will allow lowering the gutter system. See page 68 for more details regarding our Roman system.
- a1** Custom Roman miter to join with rake edge.
- B** LZ-2 Trim moulding, style 5 modified for a large soffit, see page 53.
- C** Large Frieze Moulding, style C, see page 55.
- D** 8" Colonial Rake Trim, style 2, fastened to roof deck and hooked onto cornice brackets. See page 46 for detail information.
- E** Shelf Flashing

## CORNICE DESIGN No. 14



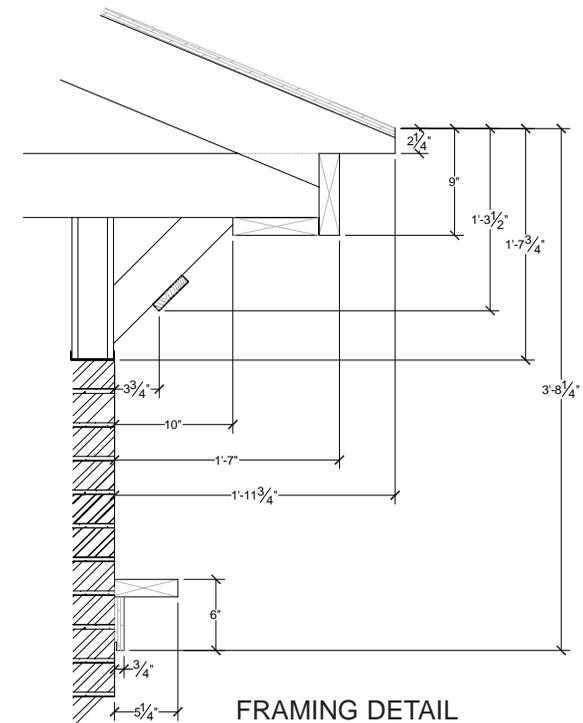
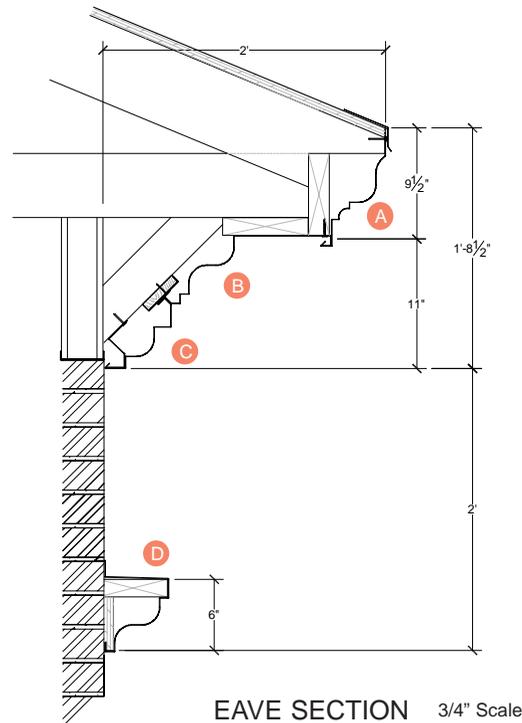
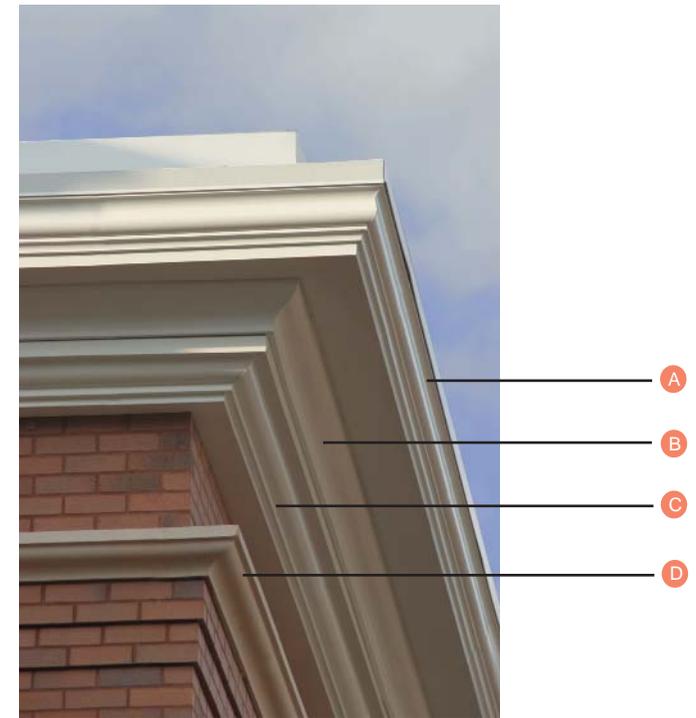
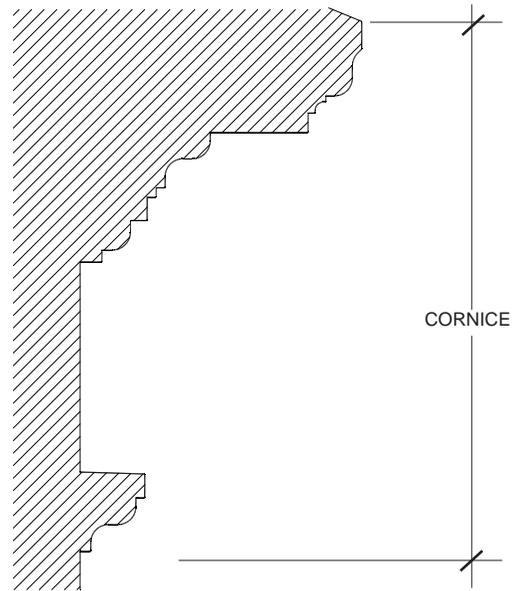
Designer Series Cornice, Design 14

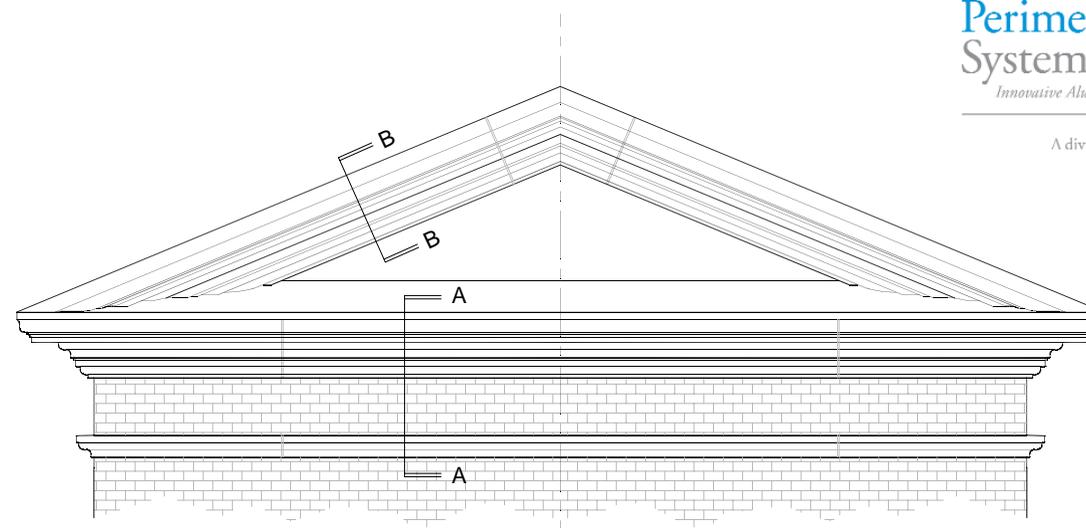
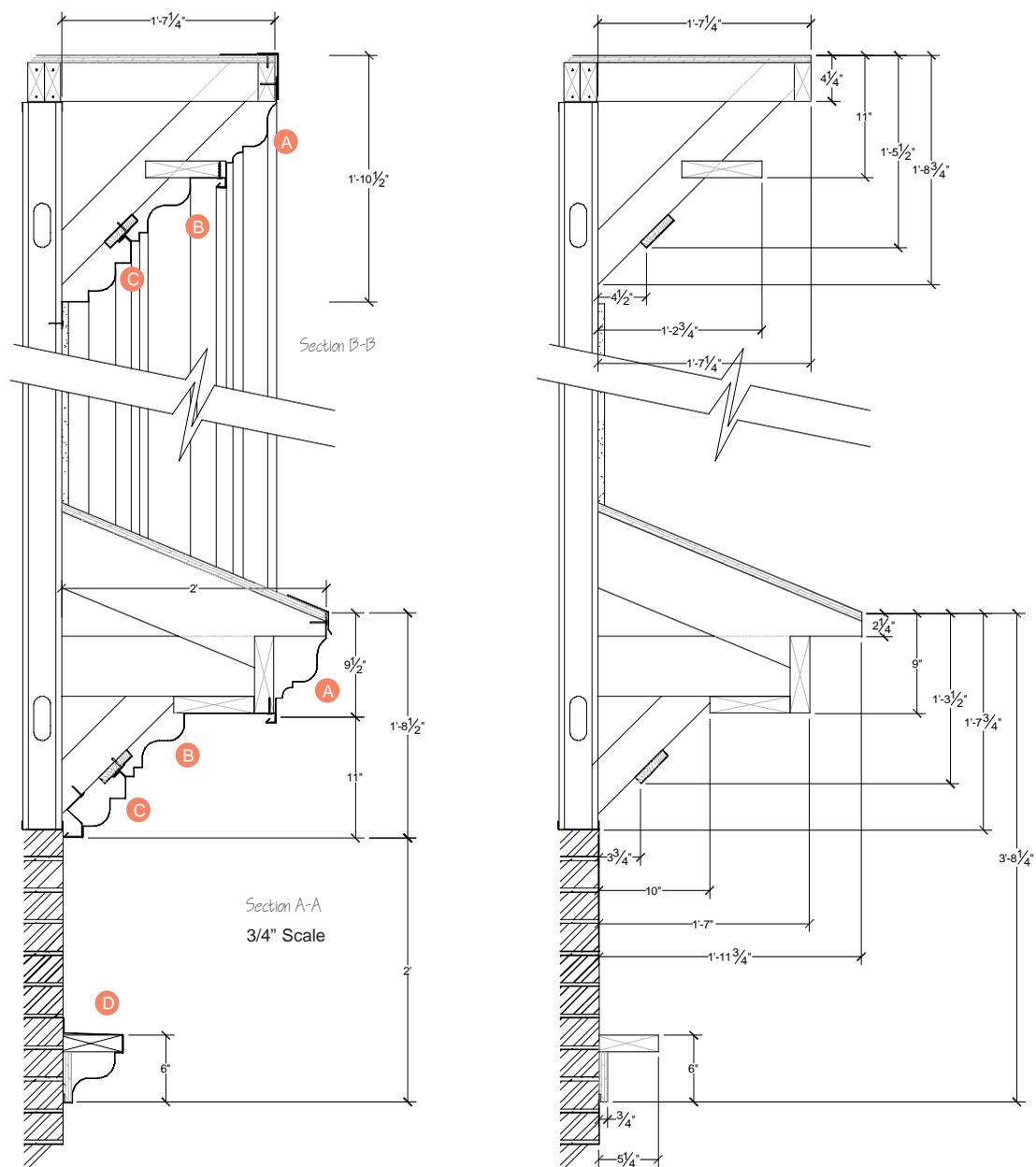
Nominal Size: Classic: 45" Entablature x 24" Depth  
 Contemporary Not offered

Cornice Design 14 originated for us from a project in the deep south. This simple 4 piece cornice design offers a large entablature by exposing a portion of the wall surface as well as a large depth. Moulding profiles include our crown moulding and dual convex concave mouldings. An LZ Trim is placed on the wall surface below the cornice giving it a striking effect. With a little creativity this cornice could include dentils.

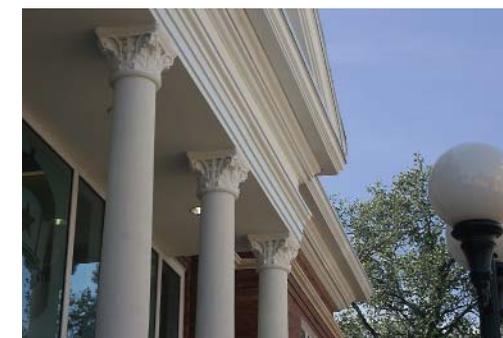
Gabled ends are finished with the cornice completely wrapping the structure as shown in the photograph and the elevation on page 37. The rake cornice for gables utilize the cornice's main components simplifying installation.

Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.





Classic Design Elevation



## CORNICE DESIGN No. 14

- A** Crown Cornice Moulding, style 3, see page 49. The rake cornice utilizes the same moulding with a smaller soffit.
- B** LZ-2 Moulding, style 4 modified, see page 53 for detail information.
- C** 1-1/2" Convex Moulding, style 3, mounted onto cornice brackets. See page 50 for detail information.
- D** LZ-2 Moulding, style 5 modified, hooked onto wood substrates.

# CORNICE DESIGN No. 15



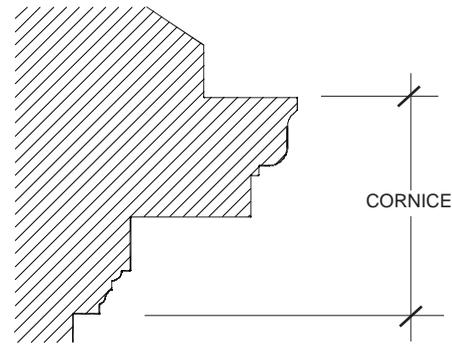
Designer Series Cornice, Design 15

Nominal Size: Classic: 40" Entablature x 18" Depth  
 Contemporary: 18" Entablature x 18" Depth

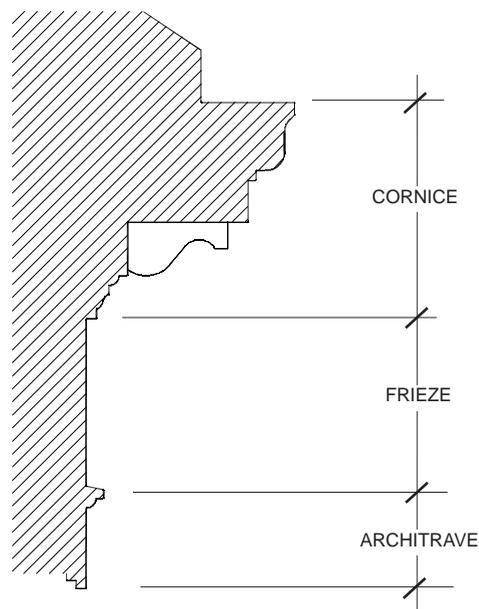
Cornice Design 15 utilizes large scrolled dentils custom designed for the project shown in the photograph. The cornice boasts a large entablature with a small depth and features our Designer Series Colonial gutter that has been customized. Often, we are asked can we modify the fascia of our Designer Series commercial gutters and the answer (in most cases) is yes. Cornice Design 15 is an excellent example of such modifications. In lieu of the custom dentils our optional components include our standard dentils, flutes, and engravings presented on page 56.

Gabled ends are finished with the cornice completely wrapping the structure as shown in the photograph and the elevation on page 39. The rake cornice for gables utilize the cornice's main components simplifying installation.

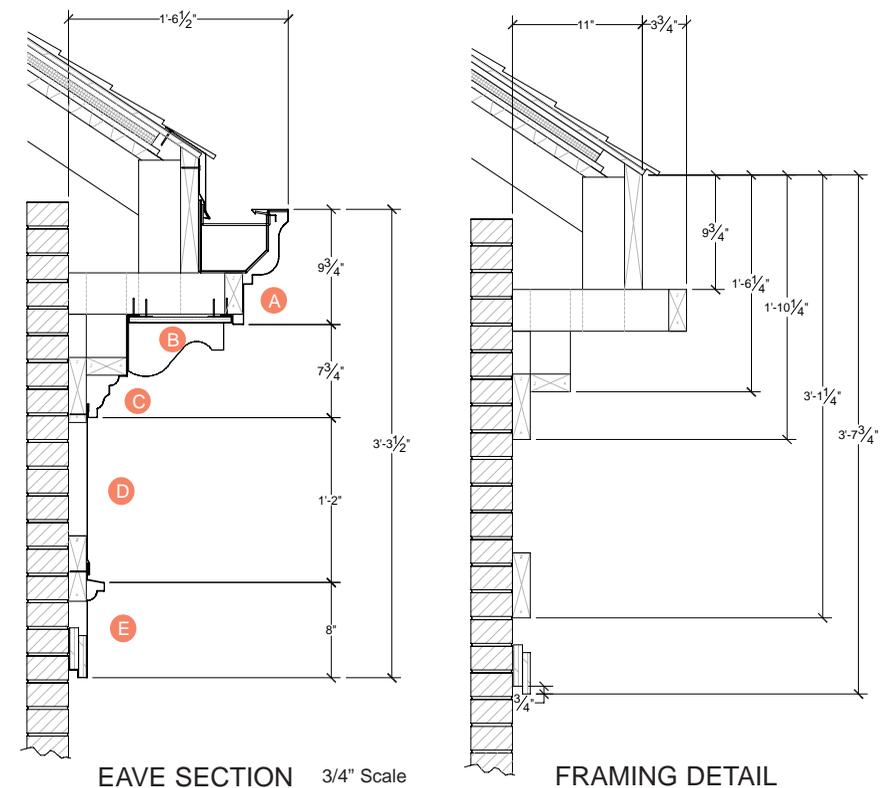
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



CONTEMPORARY DESIGN

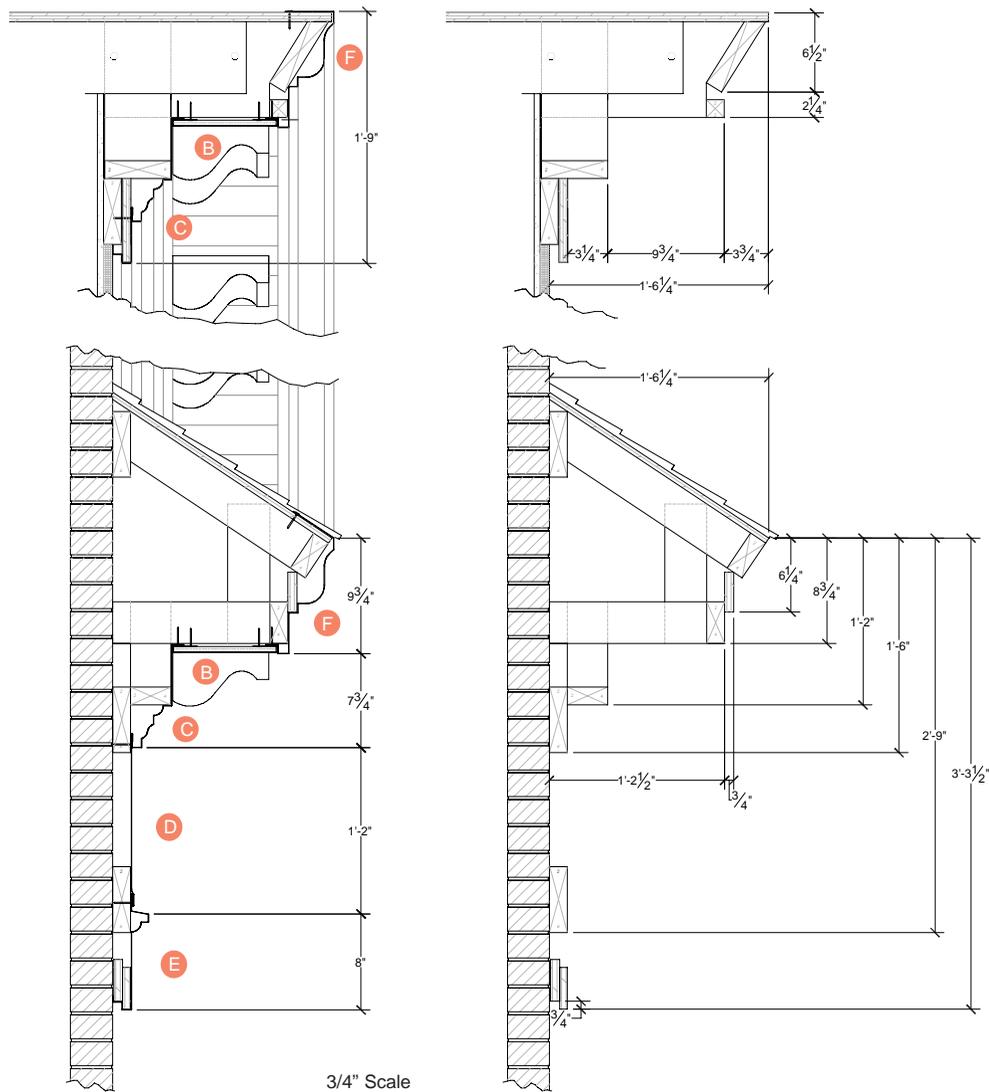


CLASSIC DESIGN



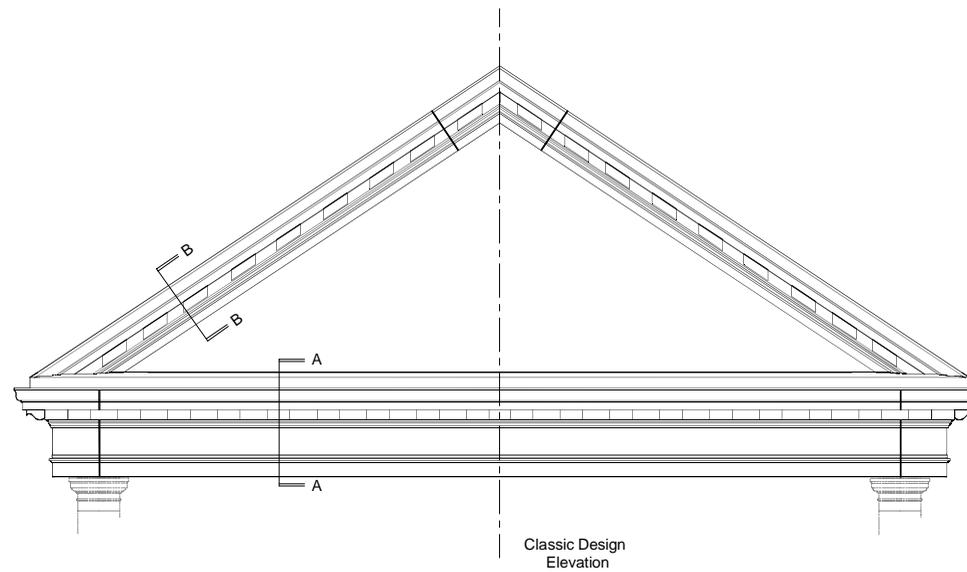
EAVE SECTION 3/4" Scale

FRAMING DETAIL

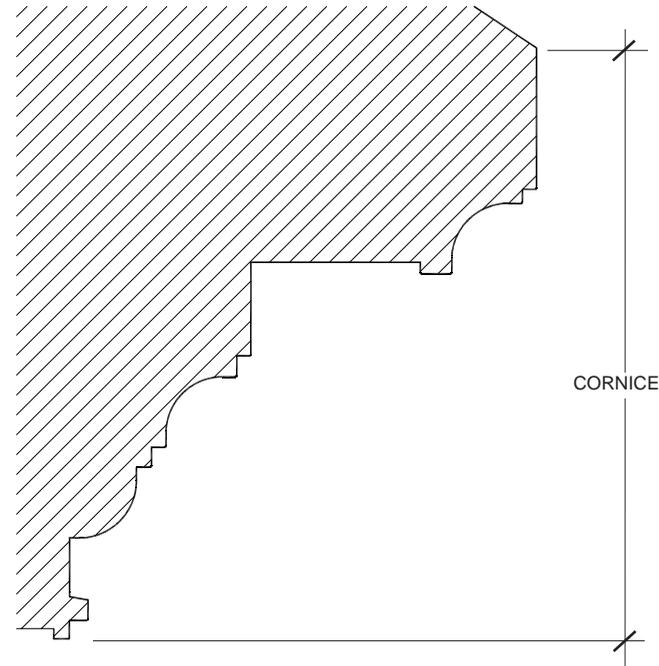


## CORNICE DESIGN No. 15

- A** Perimeter System's Designer Series DSC "Colonial" modified for a soffit closure.
- B** Soffit Panels with interlocking joints, soffit may be ordered solid or vented, see page 58.
- C** Crown Moulding, style 7, hooked onto lanced edge of a custom sized frieze extender. See page 49 for details.
- D** Custom Frieze Extender, see page 55 for details.
- E** Large Frieze Moulding, style B, hooked onto wood trims. See page 55 for details.
- F** Colonial Cornice Moulding, Style 2, modified to match the gutter's fascia.



# CORNICE DESIGN No. 16



CLASSIC DESIGN

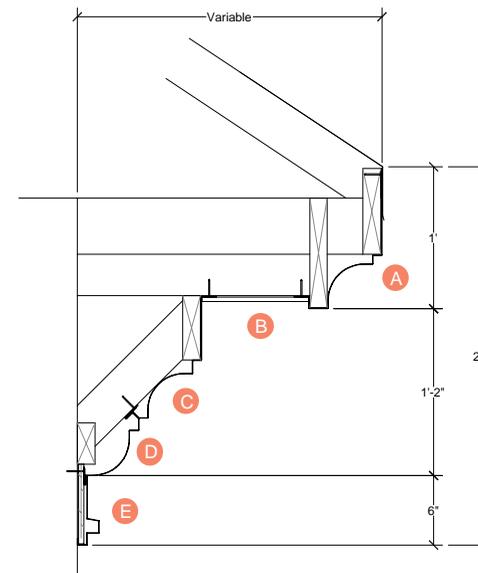
Designer Series Cornice, Design 16

Nominal Size: Classic: 32" Entablature  
18" Min. Variable Depth

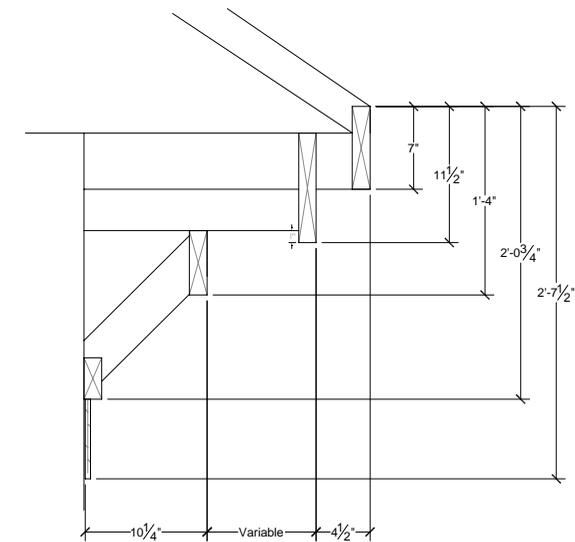
Cornice Design 16 offers a large entablature with a variable depth to accommodate your soffit requirements. This simple design may be used with or without gutters. Profiles include large 3" convex and concave mouldings. Soffits may be solid, half vented, or full vented. Optional components include flutes and engravings.

Gabled ends are commonly finished with the cornice completely wrapping the structure as shown in the elevation of the classic design on page 41. A simple rake detail for gables works well with this large cornice.

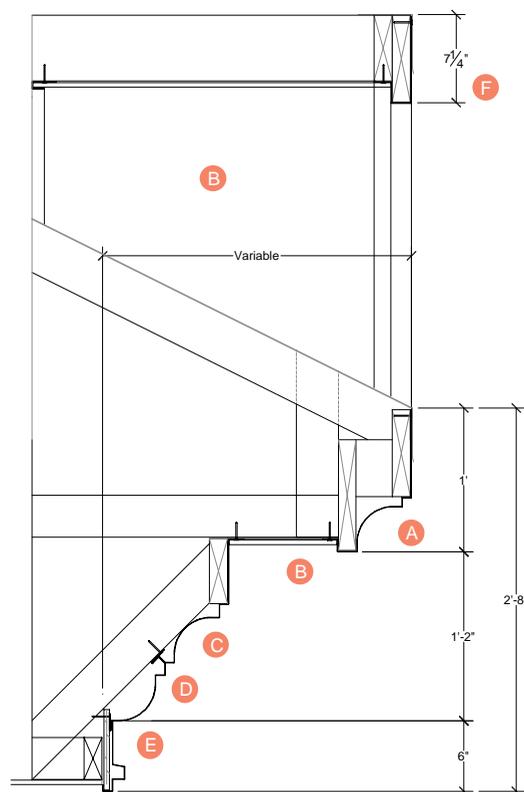
Framing shown is merely a suggestion and you may frame your building eaves in the manner necessary to suit your criteria -- but the location of the fastening points of the gutter and cornice trims must be held.



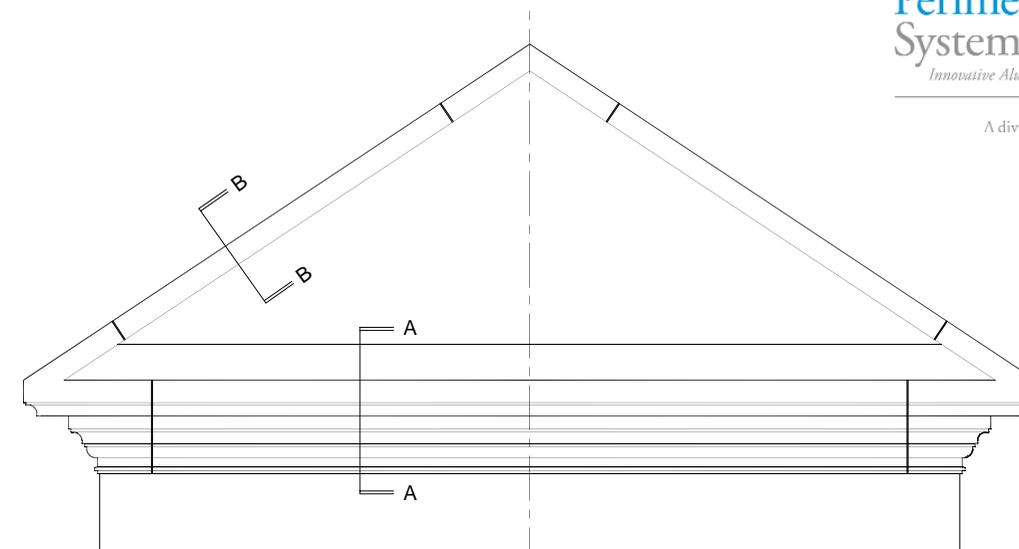
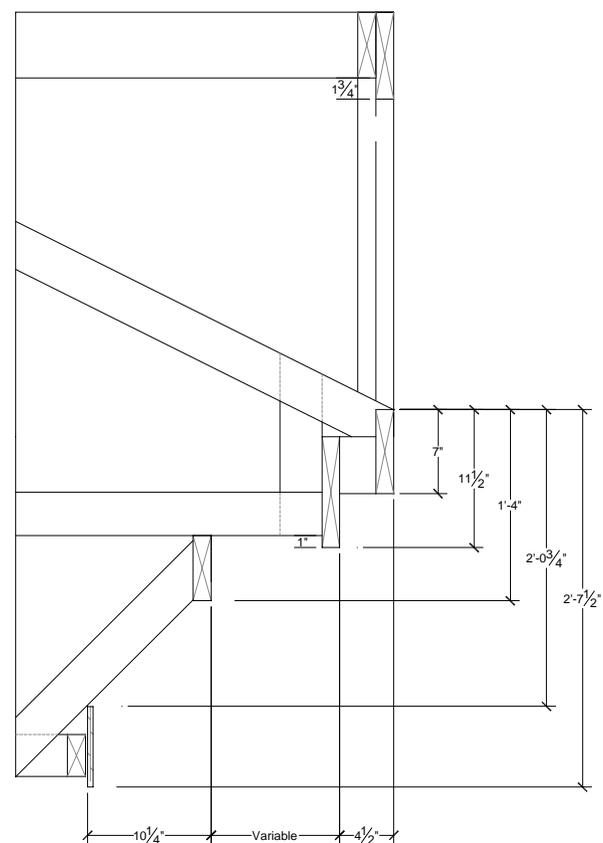
EAVE SECTION 3/4" Scale



FRAMING DETAIL



3/4" Scale



Classic Design Elevation



## CORNICE DESIGN No. 16

- A** 3" Concave Moulding, style 5, see page 49 for detail dimensional information.
- B** Soffit panels, available full vented, half vented, and solid. Details are on page 58.
- C** 3" Concave Moulding, style 4, see page 51 for detail dimensional information.
- D** 3" Convex Moulding, style 1, see page 51 for detail dimensional information.
- E** Frieze: Box Trim Moulding, style 1, see page 54.
- F** J-Cover Moulding, style B, see page 54 for dimensional information.



## DESIGNER SERIES VERSA CORNICE



### Designer Series Versa Cornice

Utilizing profiles from our Cornice Mouldings, Versa Cornice is a product developed to convert dull parapet copings into a visually exciting sculptured roof edge. Designed for both retrofit and new construction, Versa-Cornice attachment brackets fit all Perimeter Systems' coping caps and most other parapet caps or conditions.

- A** **VERSA CORNICE FLASHING AND TRIM;** Flashing trim is manufactured from 0.040" aluminum in 10' lengths. Joint treatment is a concealed splice plate. The flashing trim is hooked into the cornice's hemmed edge and riveted to the heavy duty mounting brackets. Sealant should be applied to the existing coping edge and the flashing trim.
- B** **CORNICE TRIMS;** This illustration shows our OCT & ICB cornice profiles. Actually, any combination of trims may be used with the Versa-Cornice application.
- C** **OCT CORNICE TRIM;** Cornice trim is manufactured in 10' lengths. Joint treatment consist of a 3/8" expansion reveal with a 6" concealed splice plate.
- D** **ICB CORNICE TRIM;** Cornice trim is manufactured in 10' lengths. Joint treatment consist of a 3/8" expansion reveal with a 6" wide concealed splice plate. Installer should align joints with mating cornice trims.
- D** **HEAVY DUTY MOUNTING BRACKET;** Brackets are manufactured from 1" x .125" aluminum (welded construction), fastened to the parapet with screws through the coping's vertical face and into wood substrates. A 3/8" hole should be drilled into the coping face at the bracket locations to allow for thermal movement. Use a high grade exterior sealant to seal holes.

### CASE STUDY:

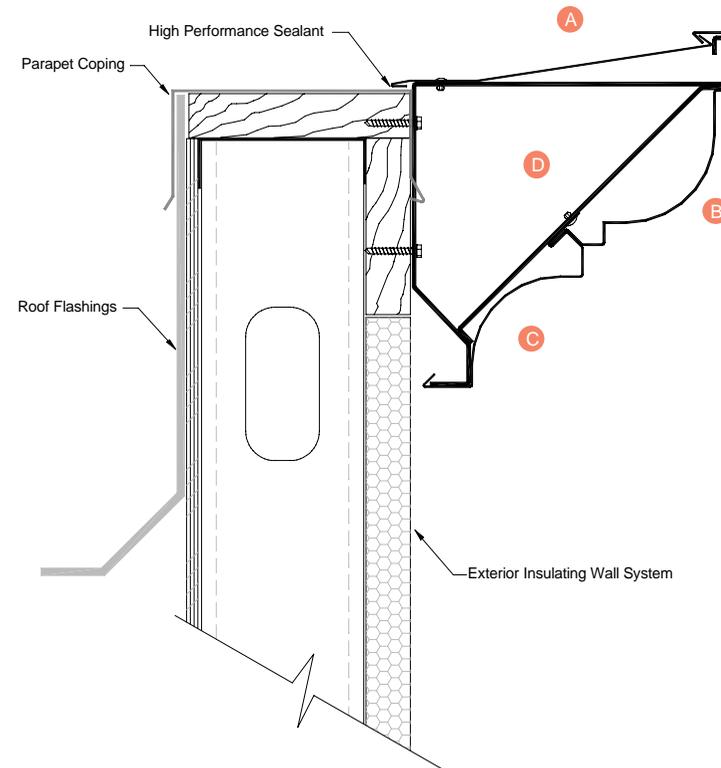
The hotel renovation shown in the photos (at right) is an excellent example of a Versa Cornice application.

In photo 1, demolition has occurred and parapets are being roughed in with light gauge steel framing. This steel framing will receive sheathing and E.I.F.S.

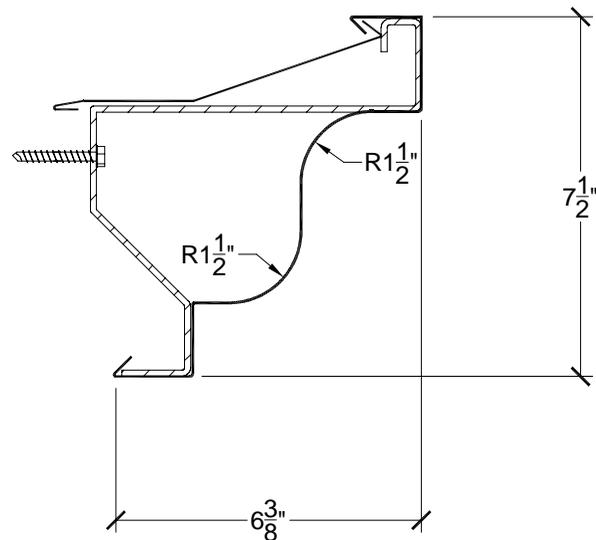
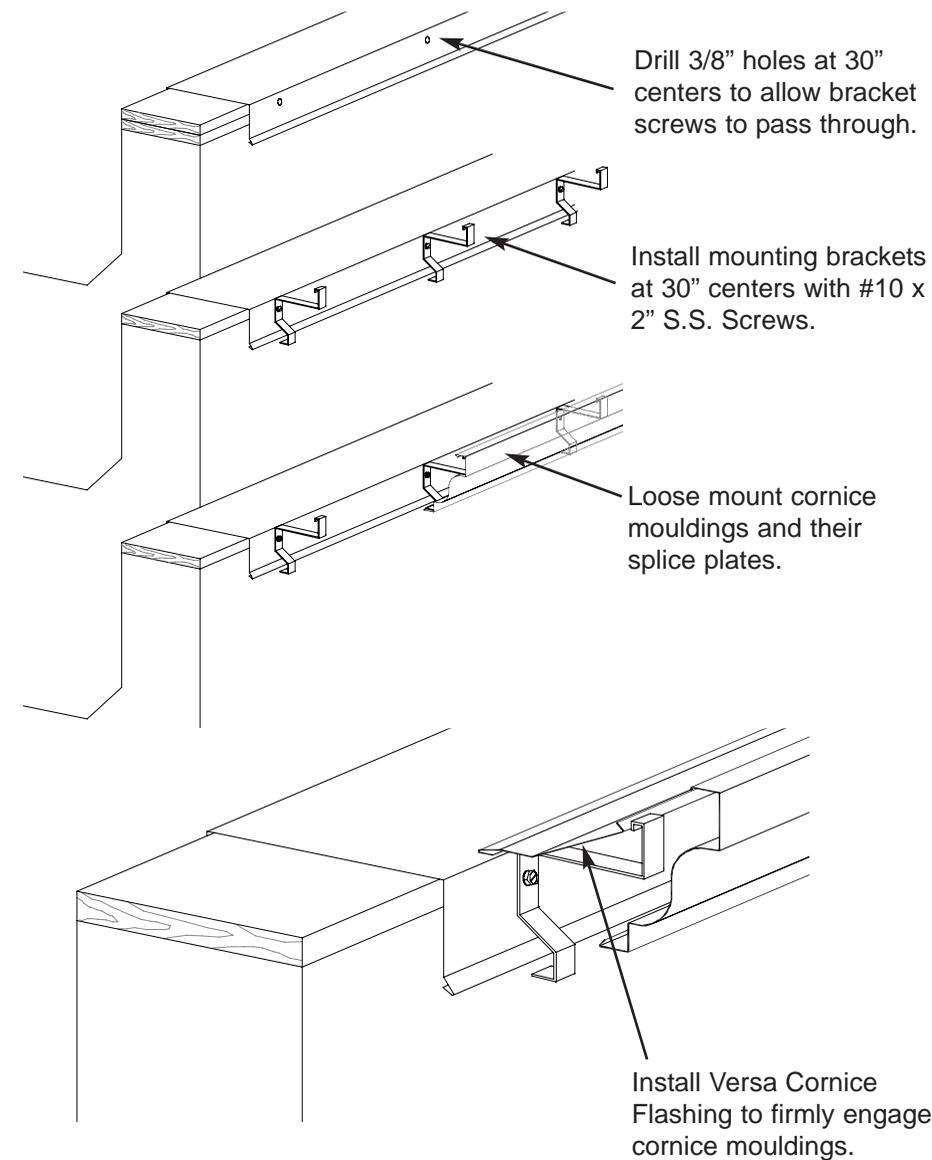
In photo 2, Versa Cornice has been installed to adorn and visually enhance what would be an ordinary coped parapet. Note the attractive sculptured cornice returns at the hotel's insignia emblem at the right.

In photo 3, the hotel's elevator tower / mechanical room is also dressed with Versa Cornice.

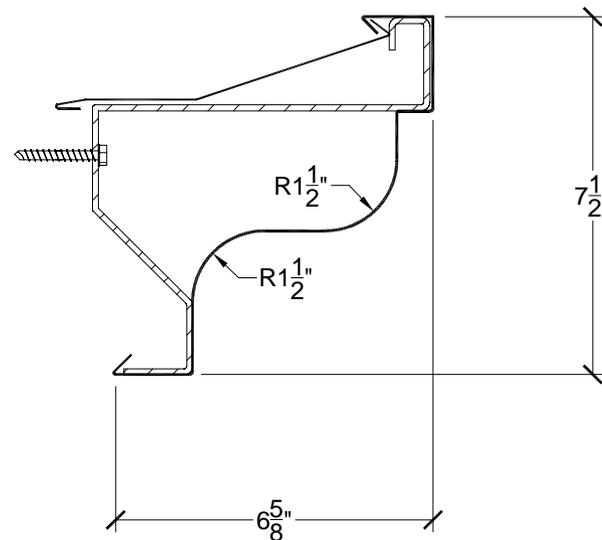
In photo 4, the hotel's main roof is completely encompassed with Versa Cornice. The cornice effects for the canopy are likewise applied to the main roof's insignia emblem. This photo (while not meant to be a beauty shot) is a rear elevation shot to offer a better understanding of how Versa Cornice is installed.



## SIMPLE INSTALLATION

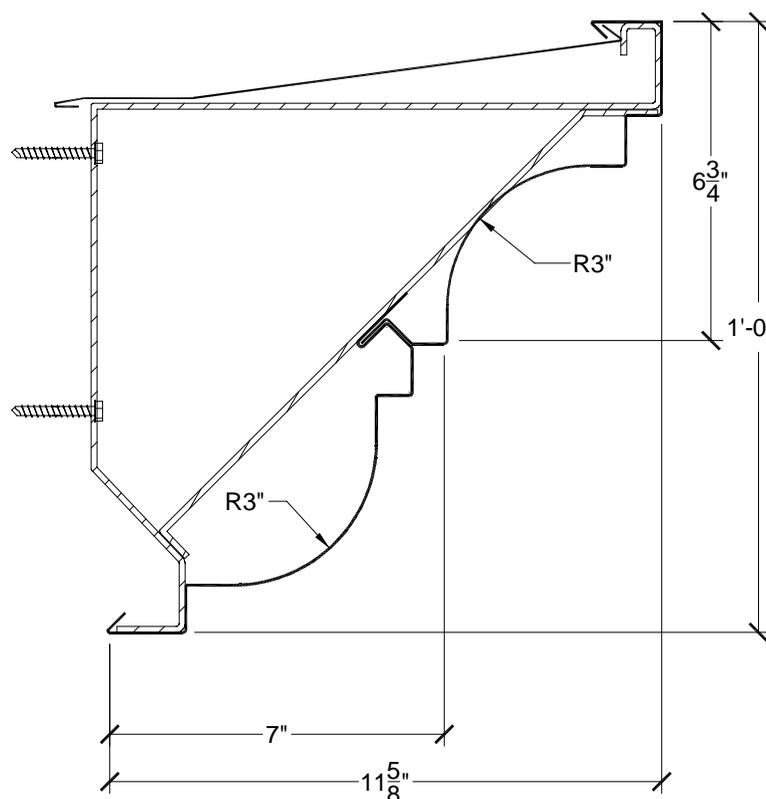


Model VS-LZ1



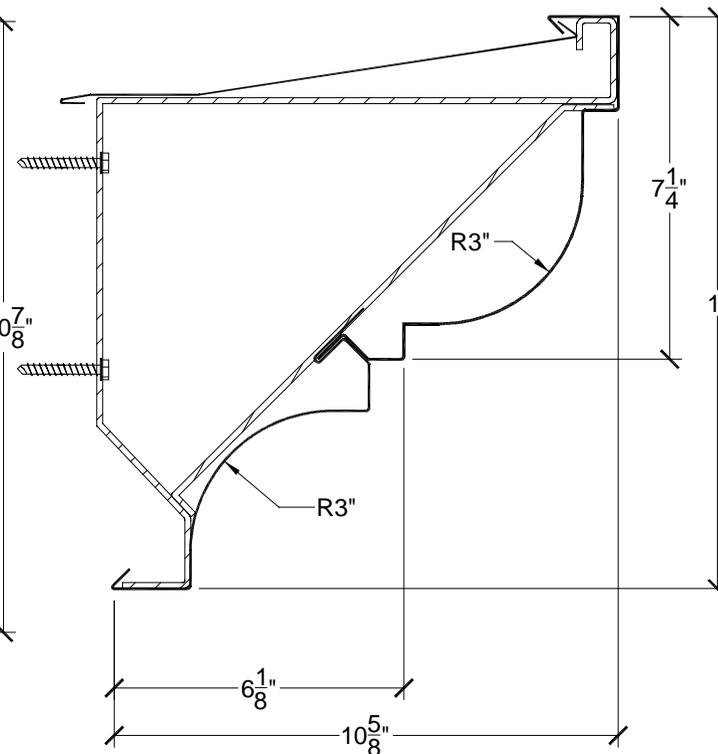
Model VS-LZ2

3" Scale



Model VS-OCB/ICT

3" Scale

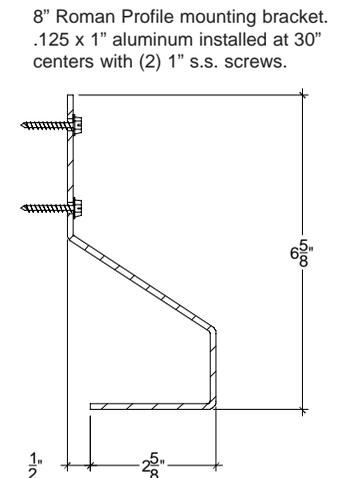
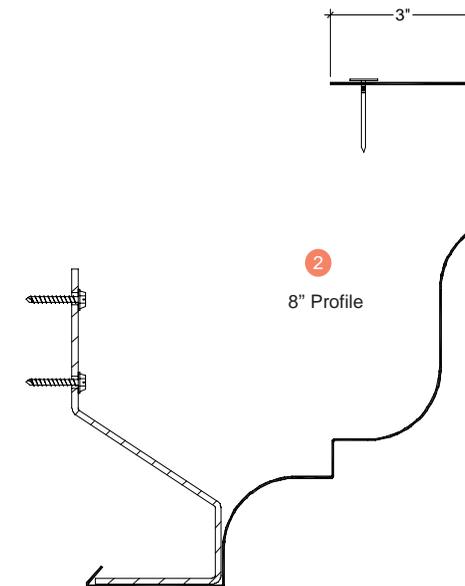
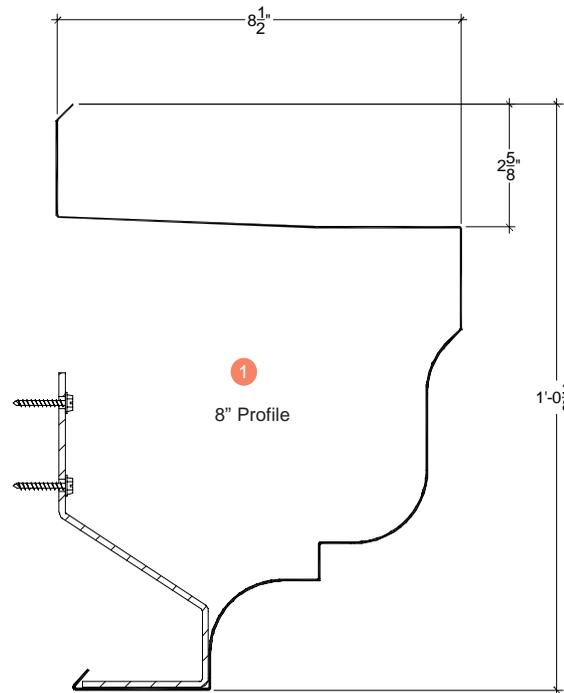
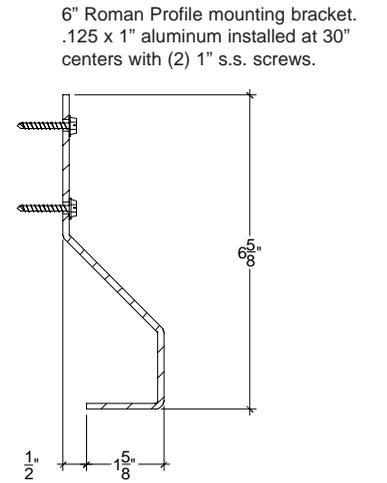
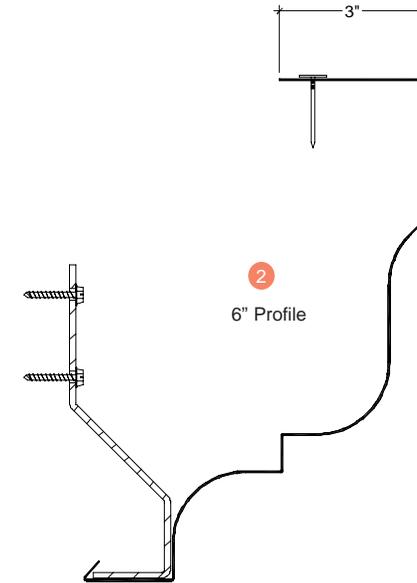
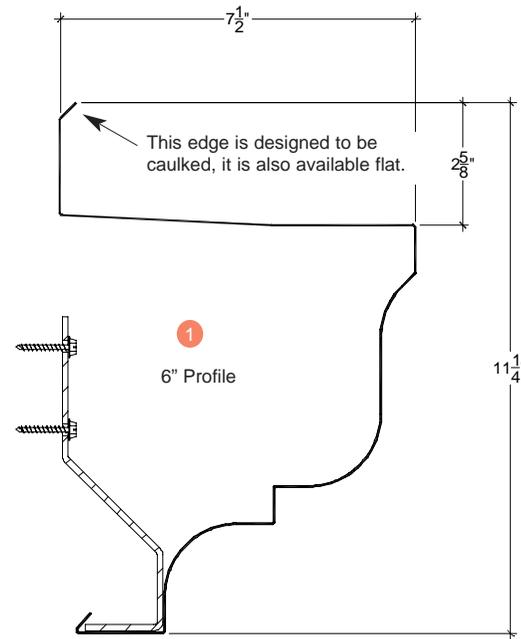


Model VS-ICB/OCT

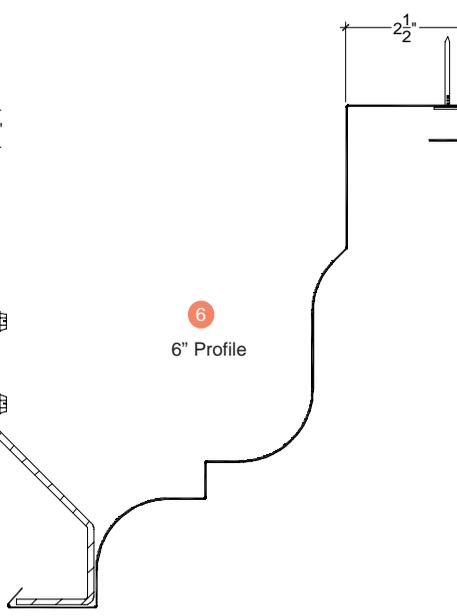
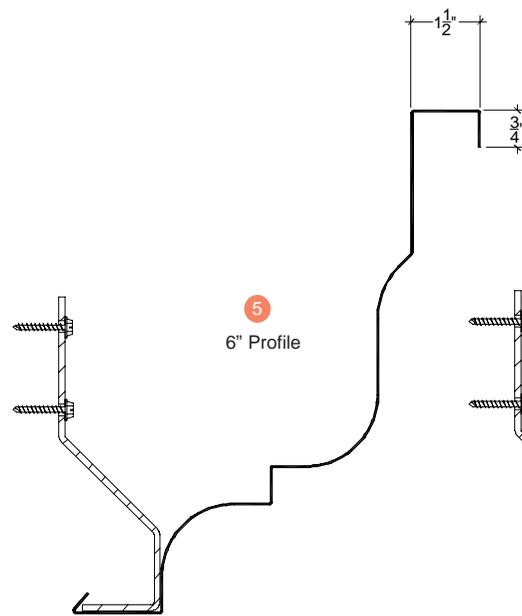
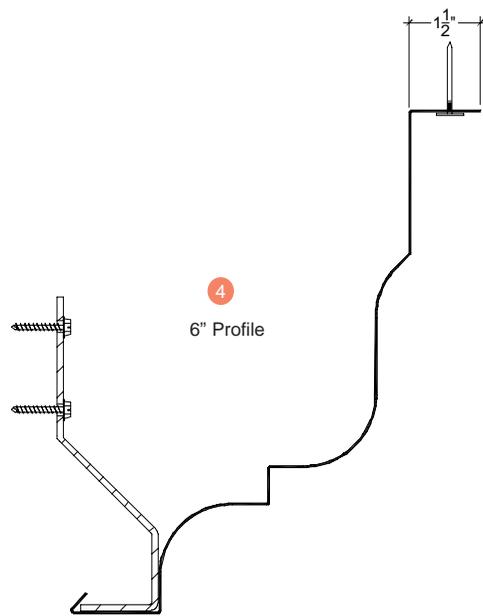
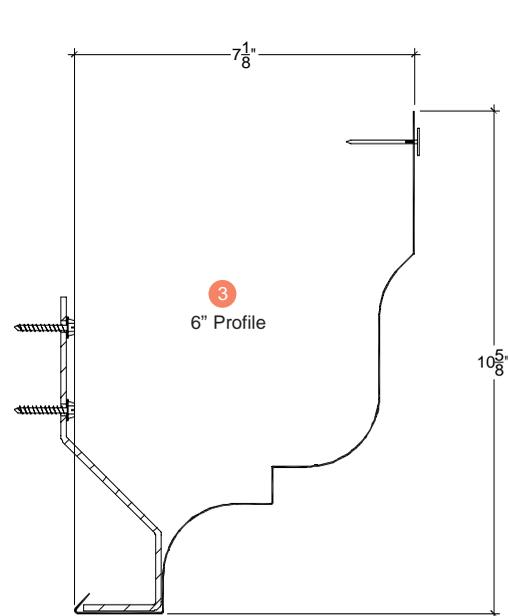
# ROMAN CORNICE MOULDINGS



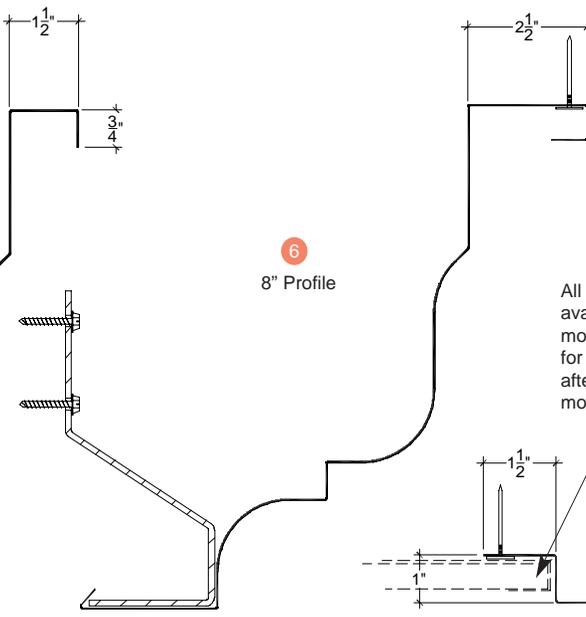
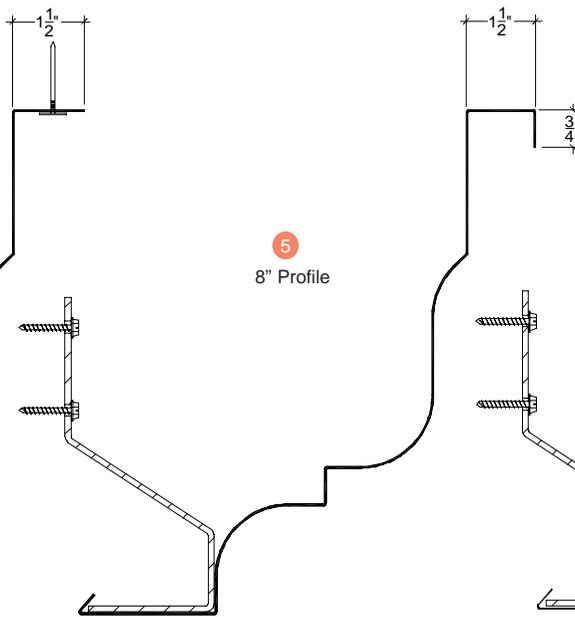
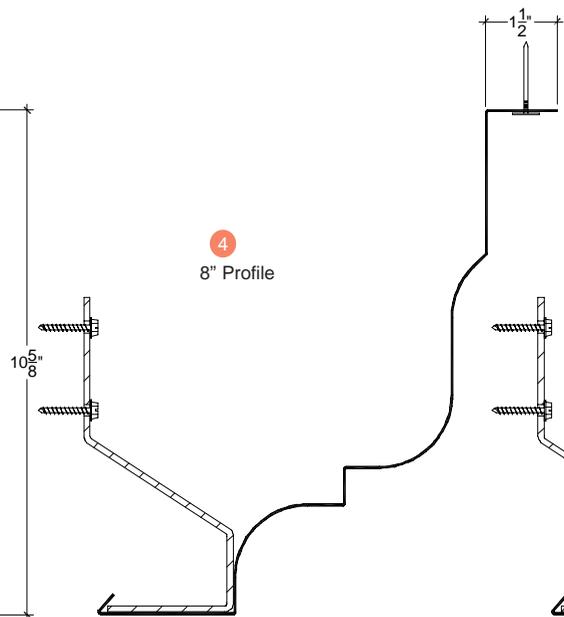
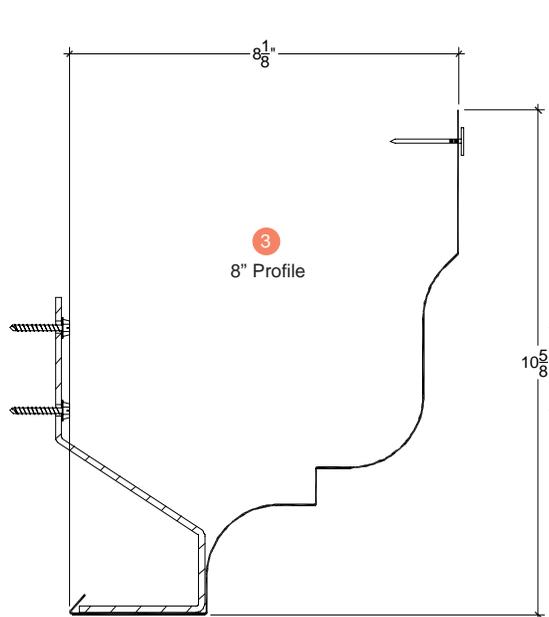
- 1 Roman Moulding Profile, Style 1, is designed to align with the Roman Series Designer gutter system and has a closed top. This profile is used to continue the "gutter cornice" where no gutter is required.
- 2 Roman Moulding Profile, Style 2, designed for flat or rake roof edges. Its roof deck flange is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 3 Roman Moulding Profile, Style 3, designed for fascia mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 4 Roman Moulding Profile, Style 4, designed for soffit mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 5 Roman Moulding Profile, Style 5, designed for soffit mounting. Its upper edge may be fastened with 1-1/2" x #10 stainless screws at 30" centers or it may be held in position with mating cornice mouldings such as a J-Cover. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 6 Roman Moulding Profile, Style 6, designed for soffit mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. This moulding comes with a notched edge to allow concealed fastening and to adjoin cornice members and it's lower hemmed edge hooks onto mounting brackets spaced at 30" centers.



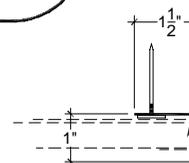
3" Scale



This edge has notched fastener openings, 4" wide, and normally spaced at 24" centers.



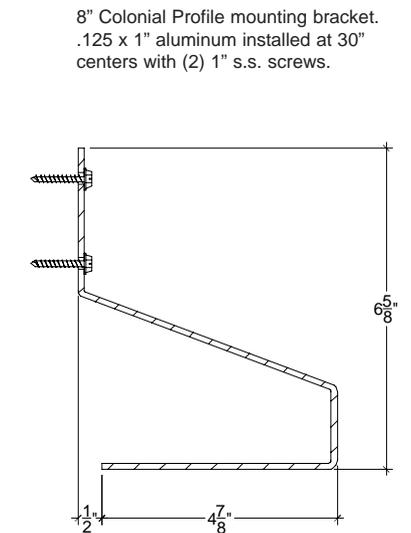
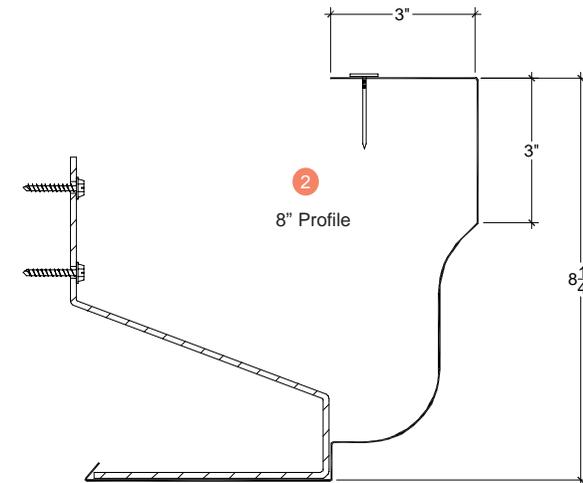
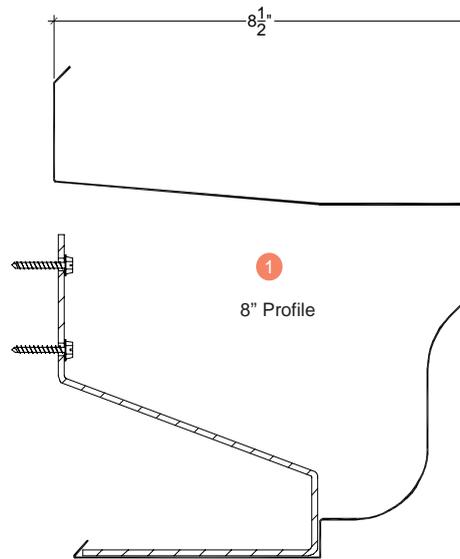
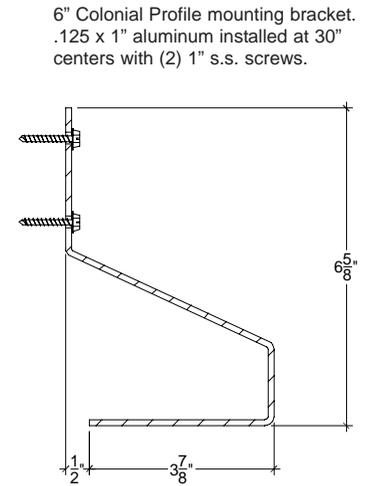
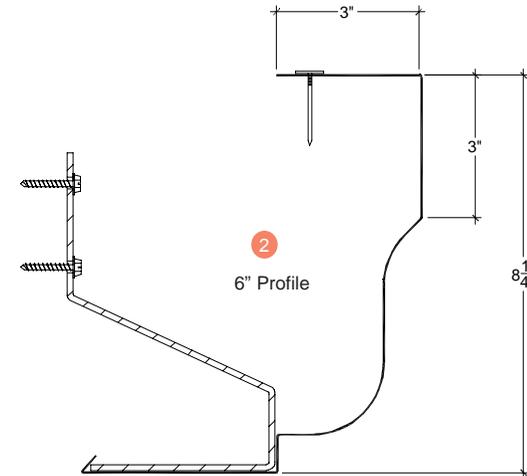
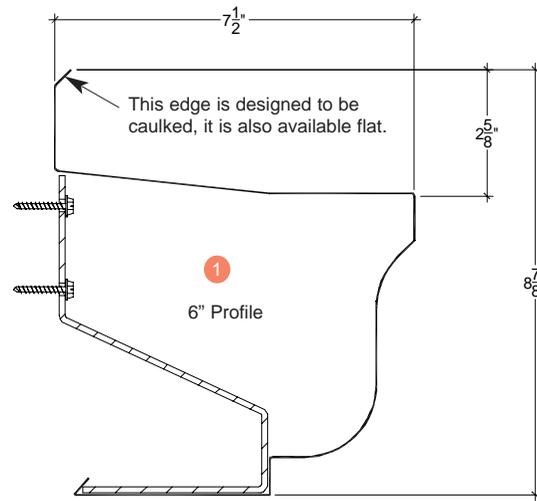
All Roman Cornice Mouldings are available for adjoining soffits. The moulding's lower edge is configured for fastening to the cornice framing after which soffit panels and J-mouldings are applied.



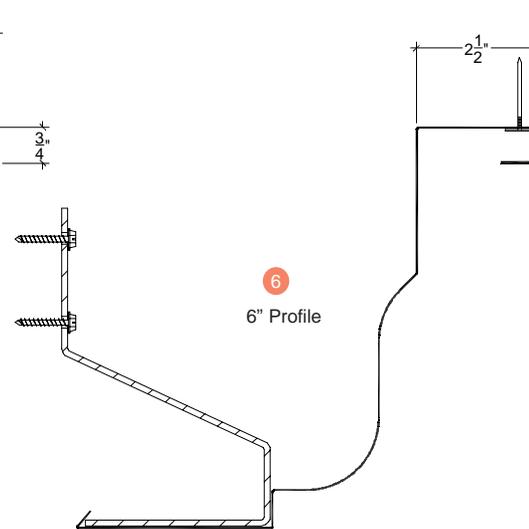
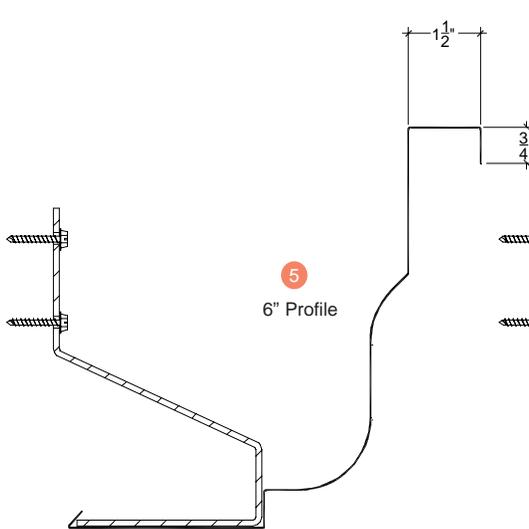
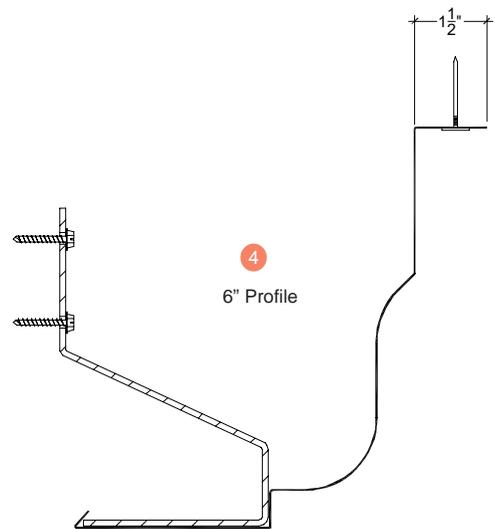
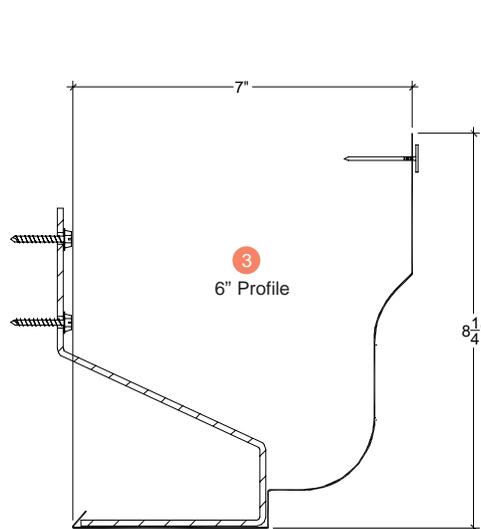
# COLONIAL CORNICE MOULDINGS



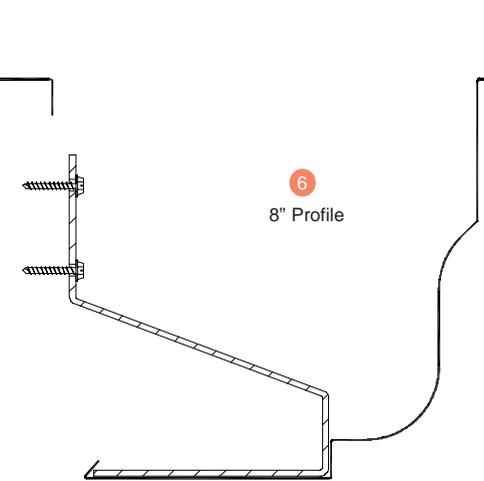
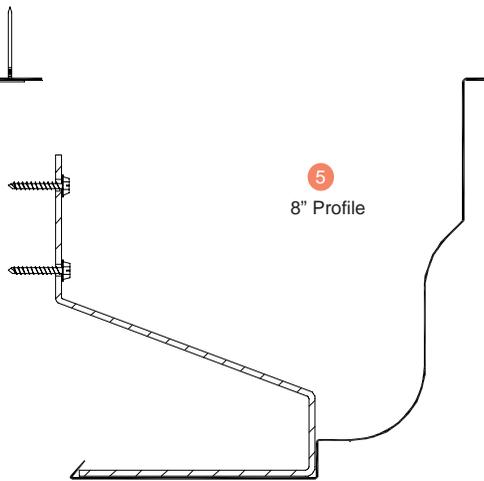
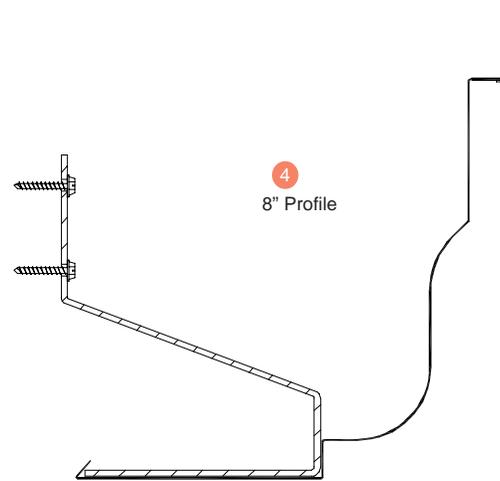
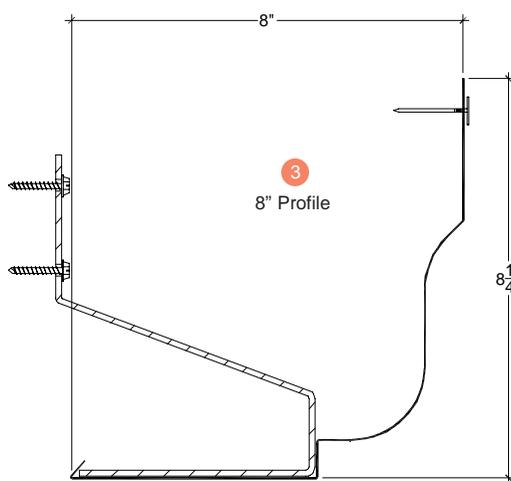
- 1 Colonial Moulding Profile, Style 1, is designed to align with the Colonial Series Designer gutter system and has a closed top. This profile is used to continue the "gutter cornice" where no gutter is required.
- 2 Colonial Moulding Profile, Style 2, designed for flat or rake roof edges. Its roof deck flange is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 3 Colonial Moulding Profile, Style 3, designed for fascia mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 4 Colonial Moulding Profile, Style 4, designed for soffit mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 5 Colonial Moulding Profile, Style 5, designed for soffit mounting. Its upper edge may be fastened with 1-1/2" x #10 stainless screws at 30" centers or it may be held in position with mating cornice mouldings such as a J-Cover. Its lower hemmed edge hooks onto mounting brackets spaced at 30" centers.
- 6 Colonial Moulding Profile, Style 6, designed for soffit mounting. Its upper edge is fastened with 1-1/2" x #10 stainless screws at 30" centers. This moulding comes with a notched edge to allow concealed fastening and to adjoin cornice members and it's lower hemmed edge hooks onto mounting brackets spaced at 30" centers.



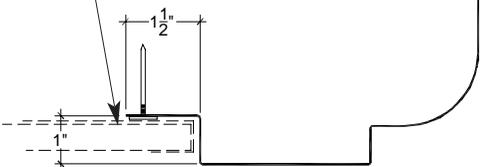
3" Scale



This edge is notched for field fastening. Notches are 4" wide and normally spaced at 24" centers.



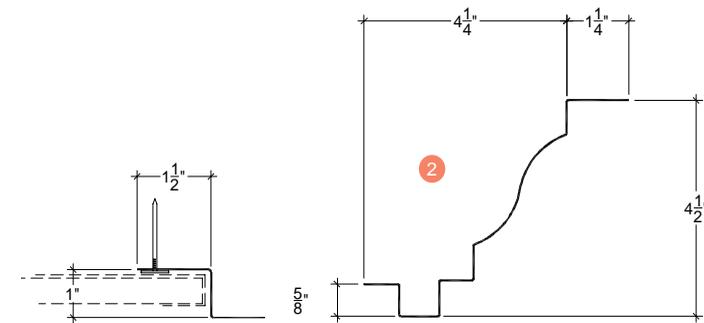
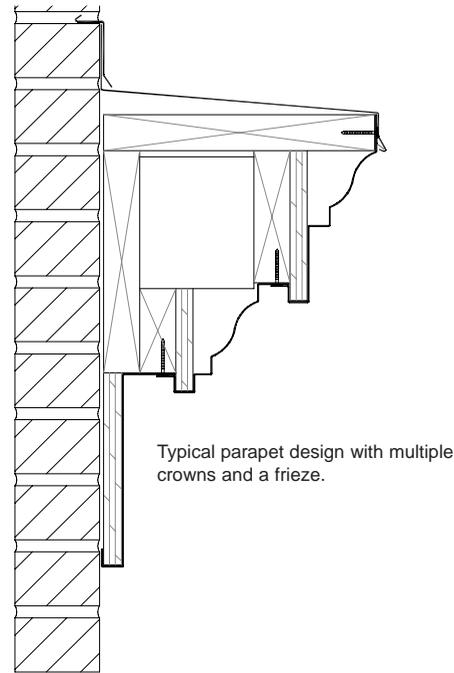
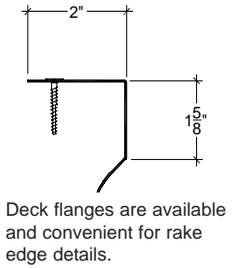
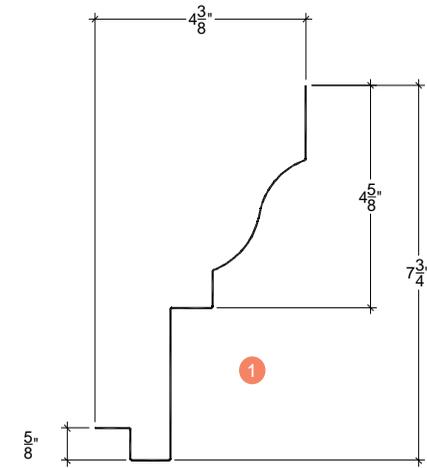
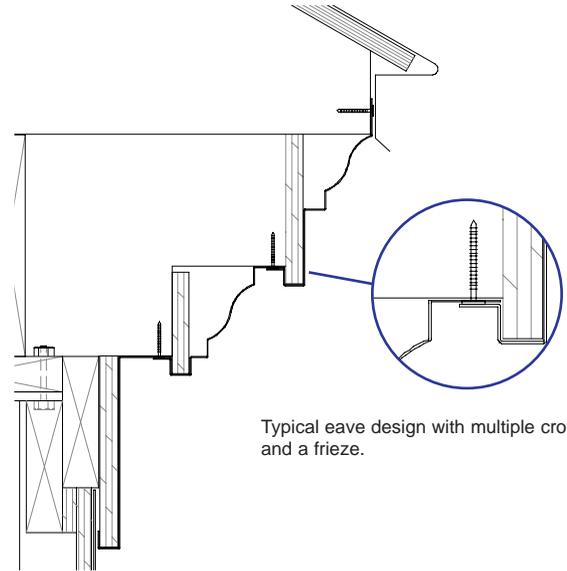
All Colonial Cornice Mouldings are available for adjoining soffits. The moulding's lower edge is configured for fastening to the cornice framing after soffit panels and J-mouldings are applied.



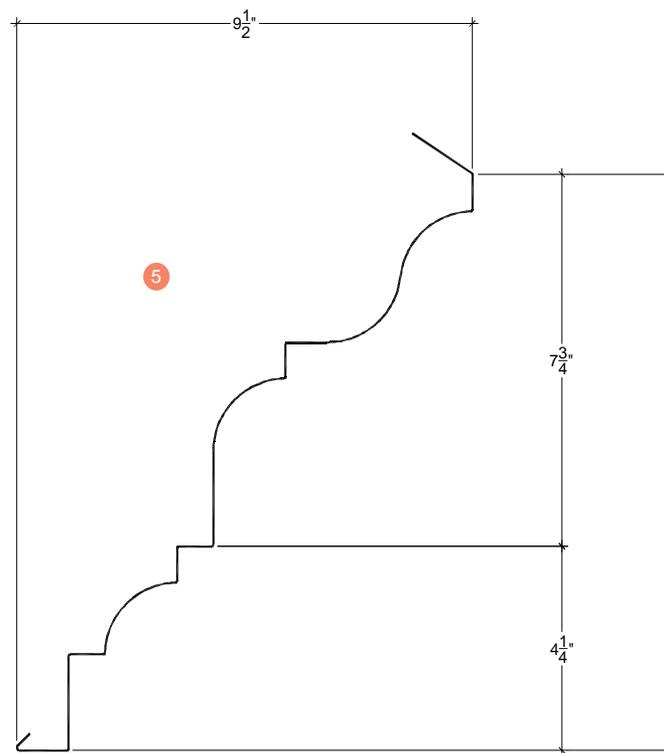
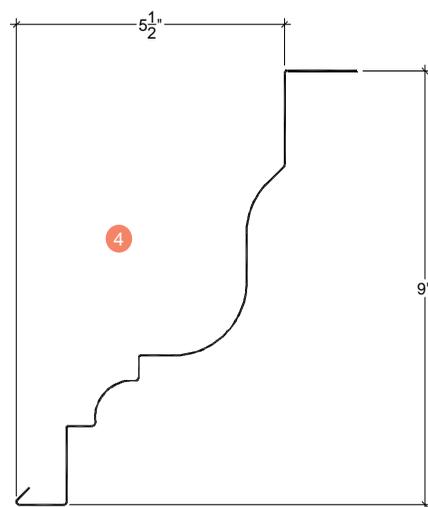
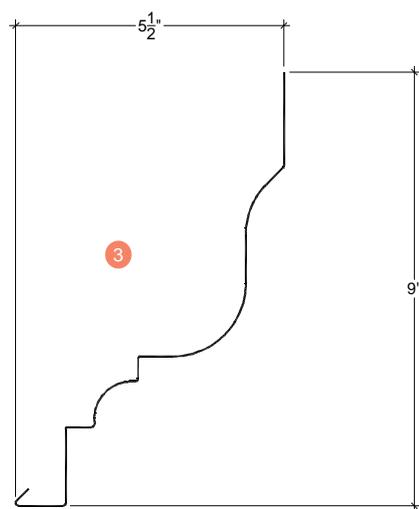
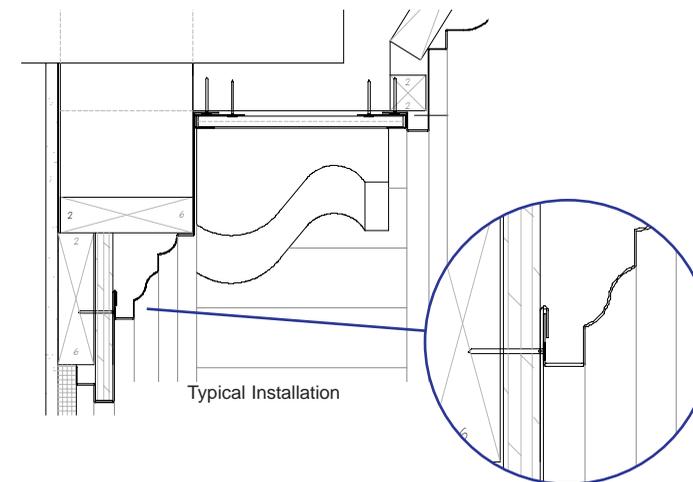
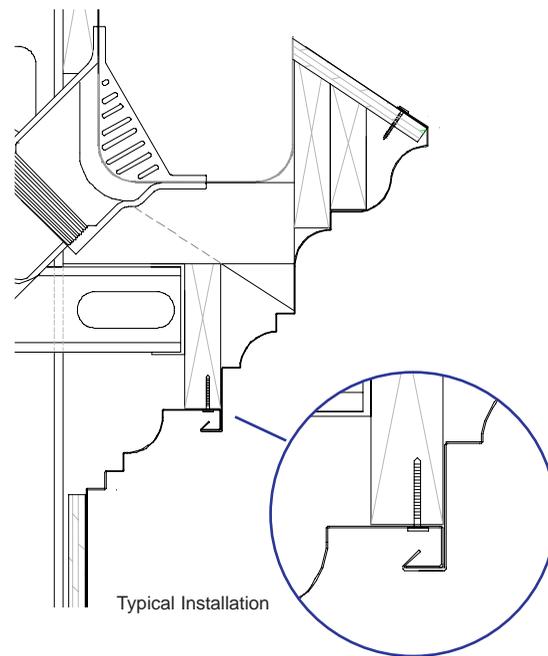
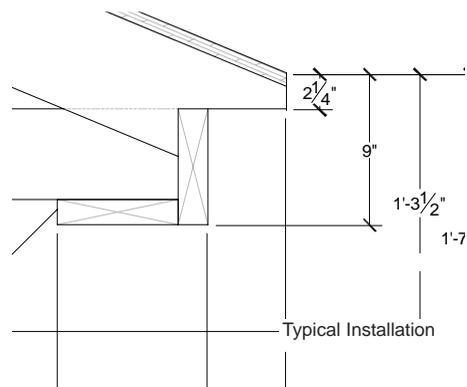
# CROWN CORNICE MOULDINGS



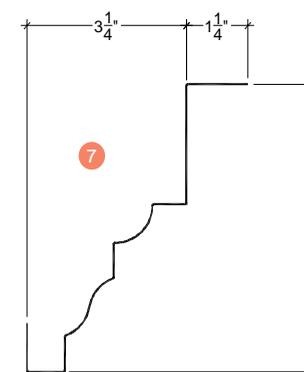
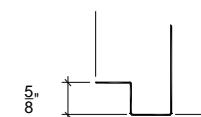
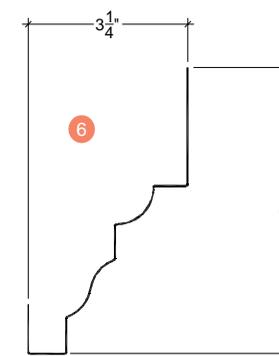
- 1 Style 1 Cornice Crown is designed for fascia mounting. It's lower edge accommodates soffits, other mouldings, or the soffit lip may be eliminated for a closed fit. See Cornice Design #8, pages 26 & 27.
- 2 Style 2 Cornice Crown is designed for soffit mounting. It is designed as an intermediate moulding to accommodate soffits, or other mouldings. This cornice moulding is used in our Cornice Design #8 shown on pages 26 & 27.
- 3 Style 3 Cornice Crown is designed for fascia mounting. It's lower edge accommodates soffits or other mouldings. The soffit leg may be hemmed and hooked onto brackets for a stand-alone moulding. See Cornice Design #14, pages 36 & 37.
- 4 Style 4 Cornice Crown is designed for soffit mounting. As with Style 3, the soffit leg may be hemmed and hooked onto brackets for a stand-alone moulding.
- 5 Style 5 Cornice Crown is designed for eave & fascia mounting. It's lower edge accommodates soffits or other mouldings. The soffit leg may be hemmed and hooked onto brackets for a stand-alone moulding. See Cornice Design #1 page 12.
- 6 Style 6 Cornice Crown is designed for fascia mounting. It's lower edge accommodates soffits or other mouldings. It is commonly used as a termination or stand-alone moulding. See Cornice Design #8, pages 26 & 27.
- 7 Style 7 Cornice Crown is designed for soffit mounting. This cornice moulding is used in our Cornice Design #8 shown on pages 26 & 27.



All Cornice Crown Mouldings are available for adjoining soffits. The moulding's lower edge is configured for fastening to the cornice framing after which soffit panels and J-moulding are applied.



3" Scale

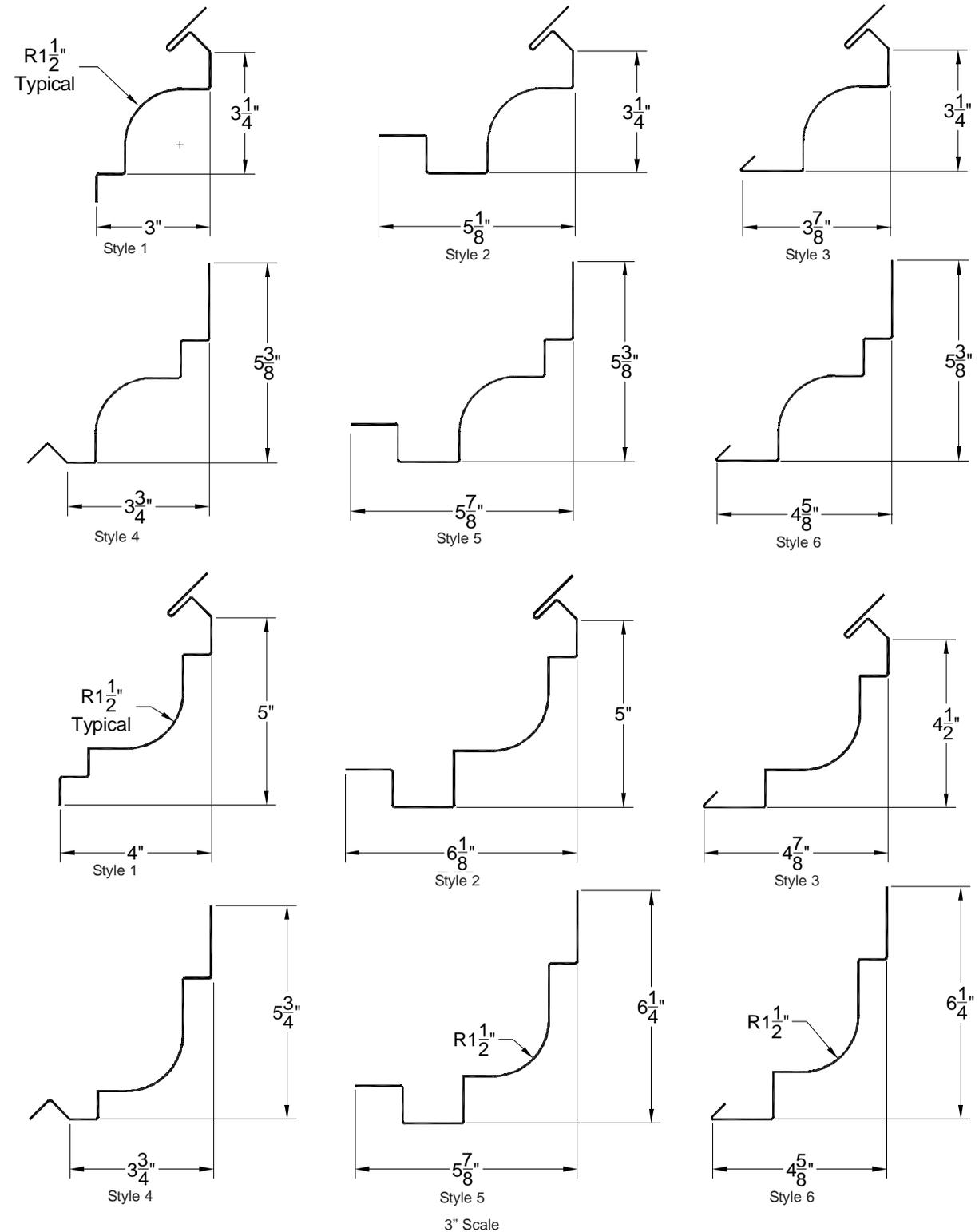


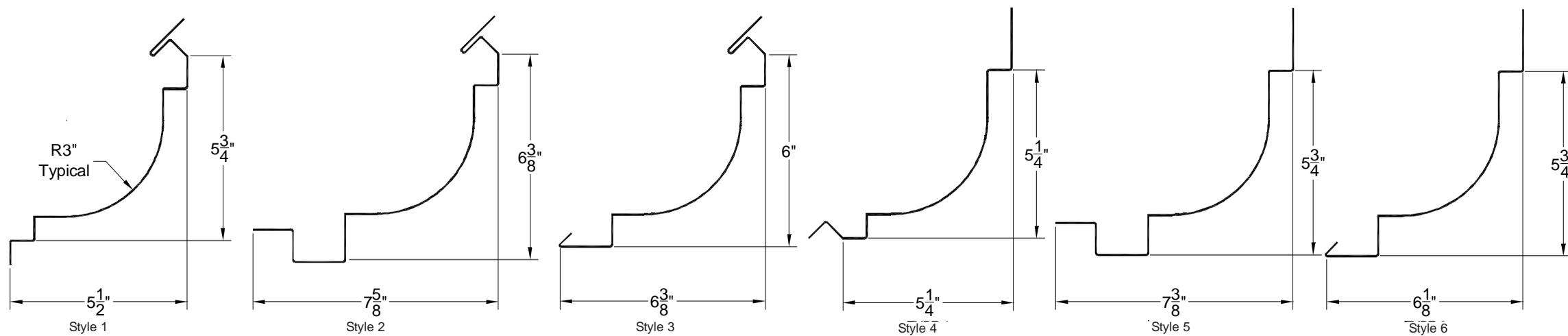
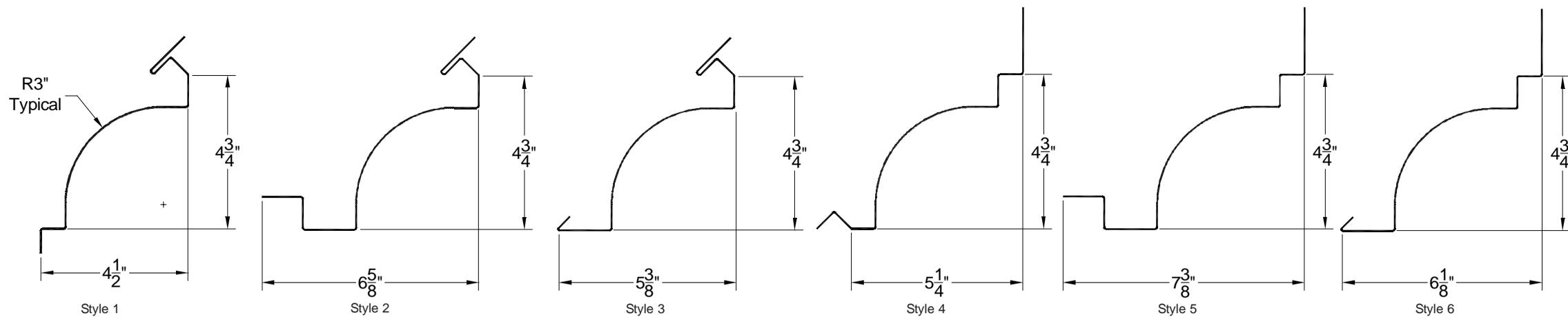
Crown cornice moulding 6 & 7 are available with soffit or bracket closure legs.

# CONCAVE CONVEX CORNICE MOULDINGS



- 1 Style 1 Concave & Convex mouldings are receivers for style 4. These mouldings are designed to connect with frieze trims.
- 2 Style 2 Concave & Convex mouldings are receivers for style 4. These mouldings are designed to connect with soffits.
- 3 Style 3 Concave & Convex mouldings are receivers for style 4. These mouldings are to adjoin with other trims by using a cornice bracket.
- 4 Style 4 Concave & Convex mouldings are designed to interlock with styles 1, 2, & 3.
- 5 Style 5 Concave & Convex mouldings are designed to connect with soffits.
- 6 Style 6 Concave & Convex mouldings are to adjoin with other trims by using a cornice bracket.





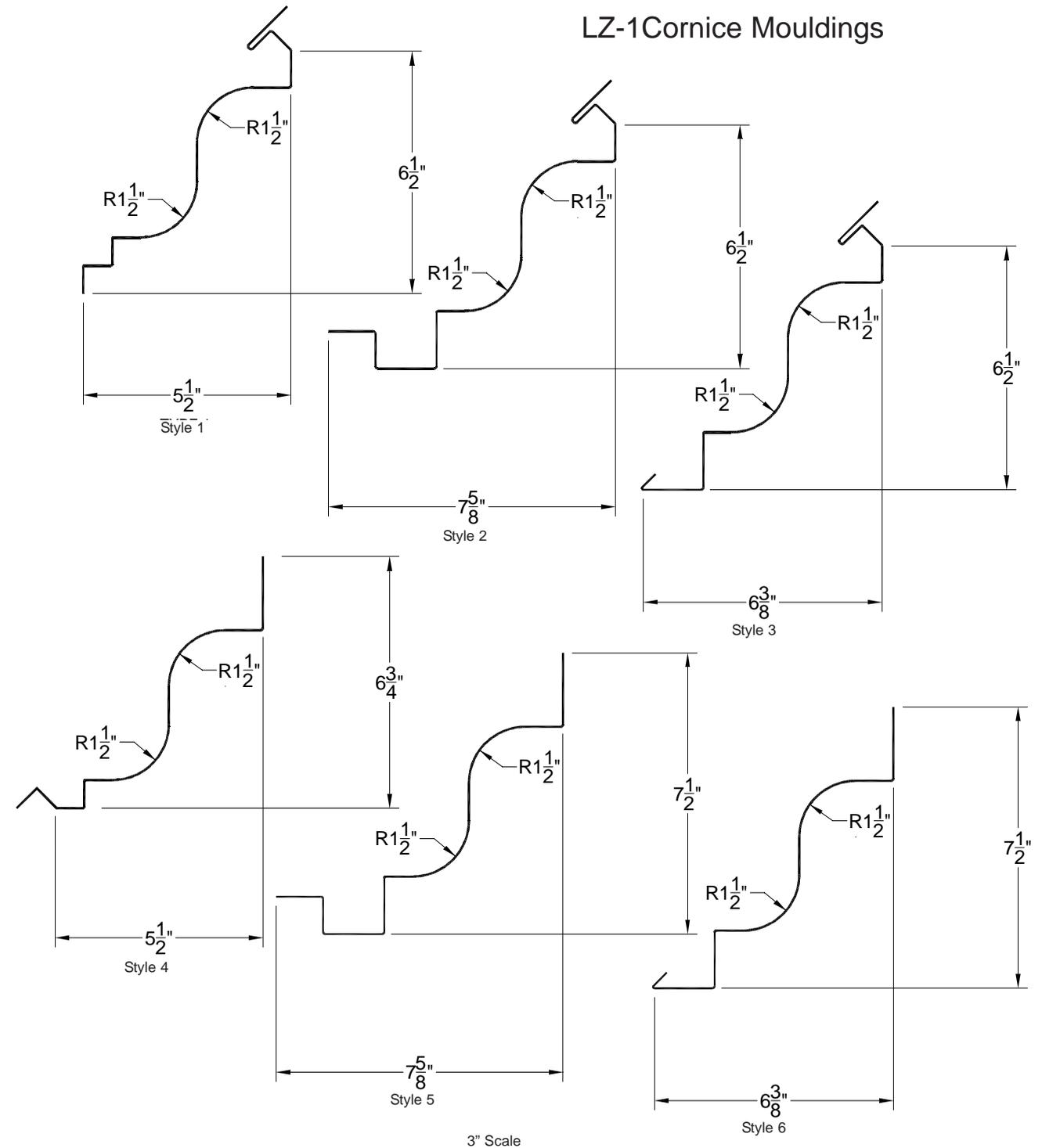
3" Scale

## LZ CORNICE MOULDINGS

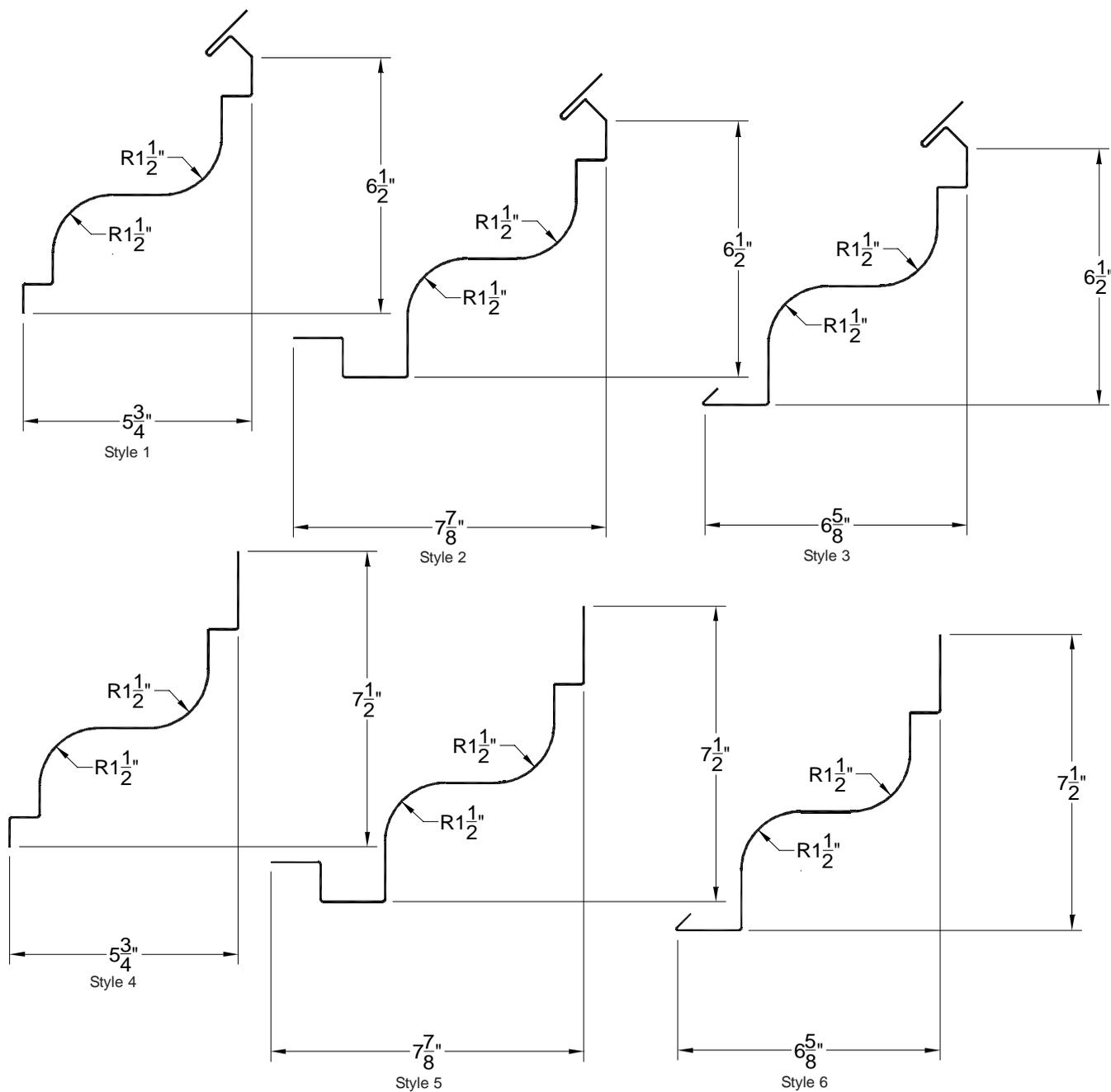


- 1 Style 1 LZ mouldings are receivers for style 4. These mouldings are designed to connect with frieze trims.
- 2 Style 2 LZ mouldings are receivers for style 4. These mouldings are designed to connect with soffits.
- 3 Style 3 LZ mouldings are receivers for style 4. These mouldings are to adjoin with other trims by using a cornice bracket.
- 4 Style 4 LZ mouldings are designed to interlock with styles 1,2, & 3.
- 5 Style 5 LZ mouldings are designed to connect with soffits.
- 6 Style 6 LZ mouldings are to adjoin with other trims by using a cornice bracket.

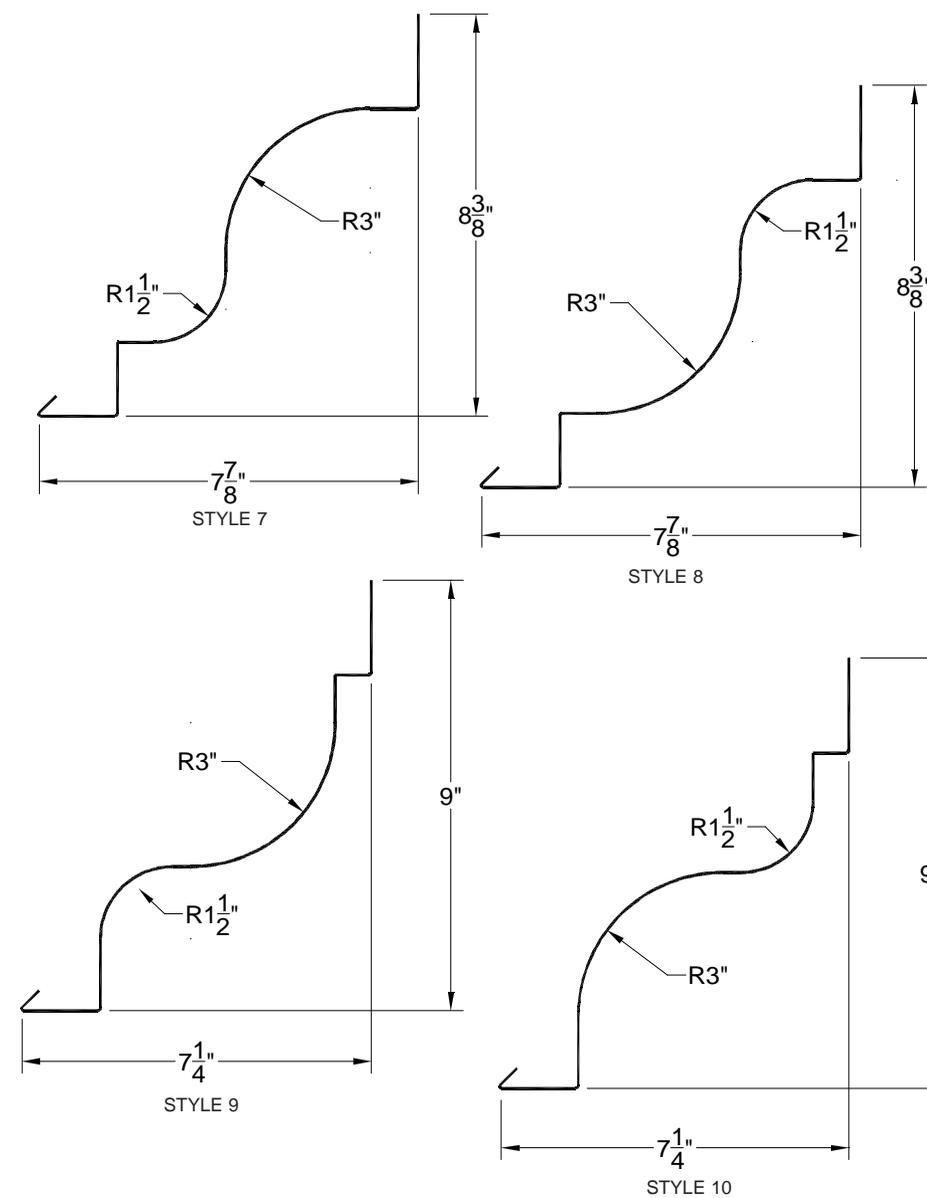
LZ-3 Mouldings, all styles, are designed for mounting onto cornice brackets. They may also be modified to match the styles of LZ 1 & 2.



### LZ-2 Cornice Mouldings

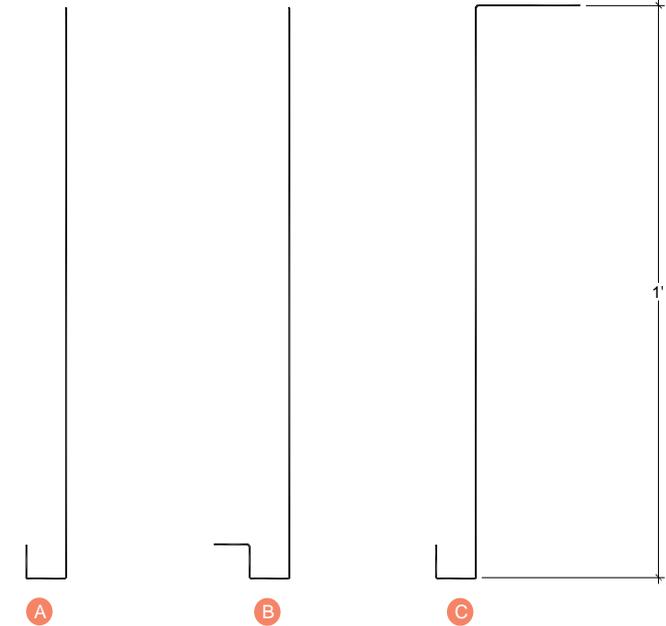
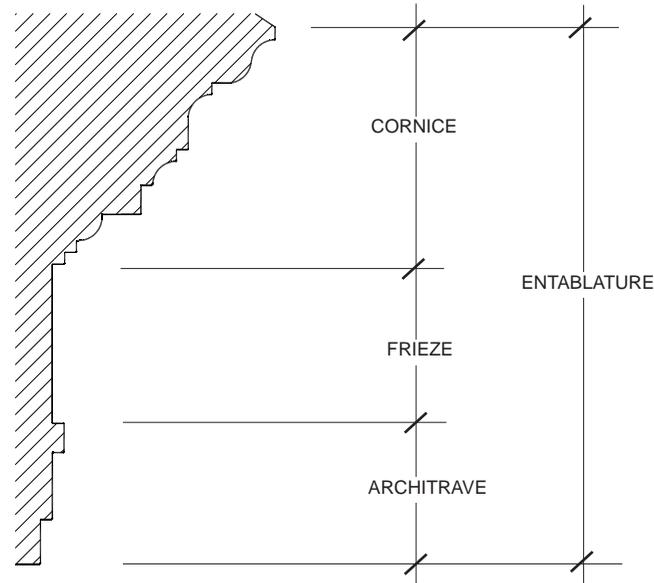


### LZ-3 Cornice Mouldings

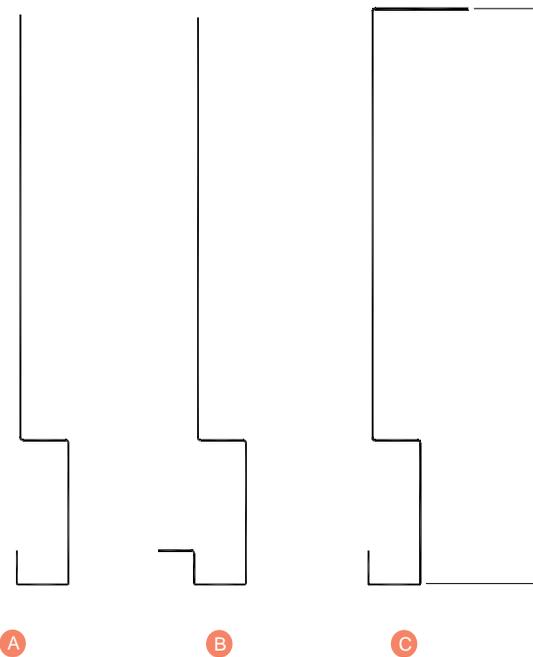


3" Scale

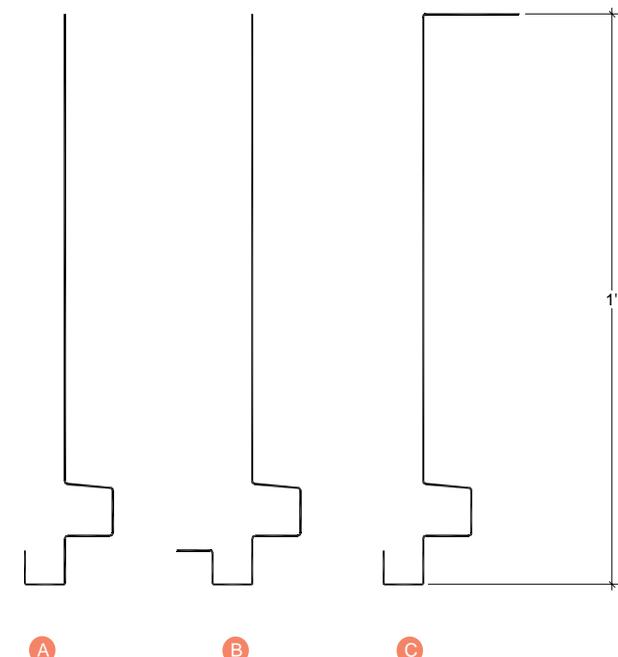
# FRIEZE & ARCHITRAVE MOULDINGS



J- Cover Mouldings



Batten Trim Mouldings



Box Trim Mouldings

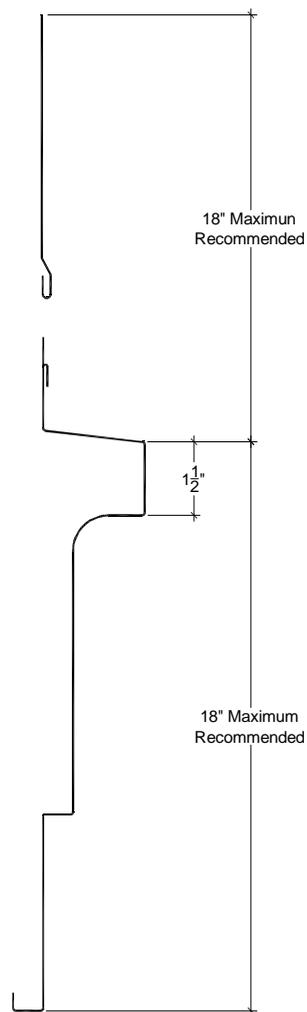
Perimeter Systems' Cornice Frieze & Architrave Mouldings feature several configurations to create impressive and striking cornice features. These mouldings are used as the base to your cornice design. Since the mouldings are large it is advisable to design a solid backing behind them. Plywood or proprietary nailable sheathing is commonly used.

Frieze mouldings are commonly adorned with flutes, dentils and engravings. Dentils require the frieze moulding to be designed with an inset. Details for these adornments begin on page 56.

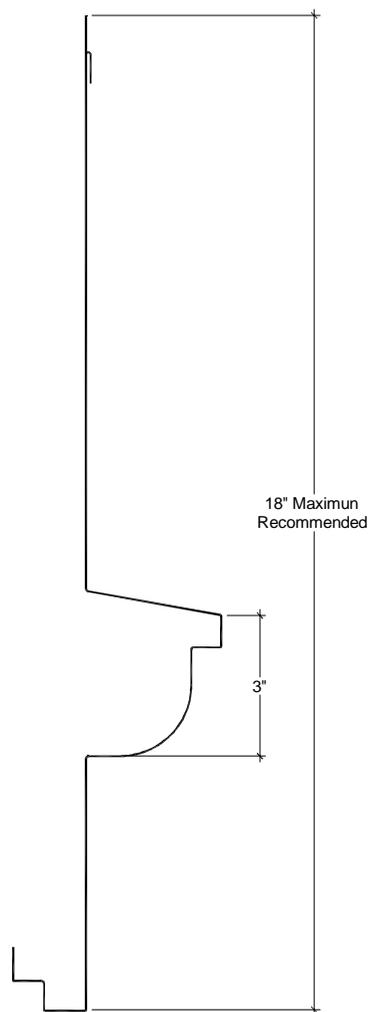
To see how our Frieze and Architrave mouldings may be incorporated into your design or if you need some framing ideas, please see our pre-designed cornices in the prior pages of this Design Guide.

The following styles are available (please note Batten Trims are cleat mounted).

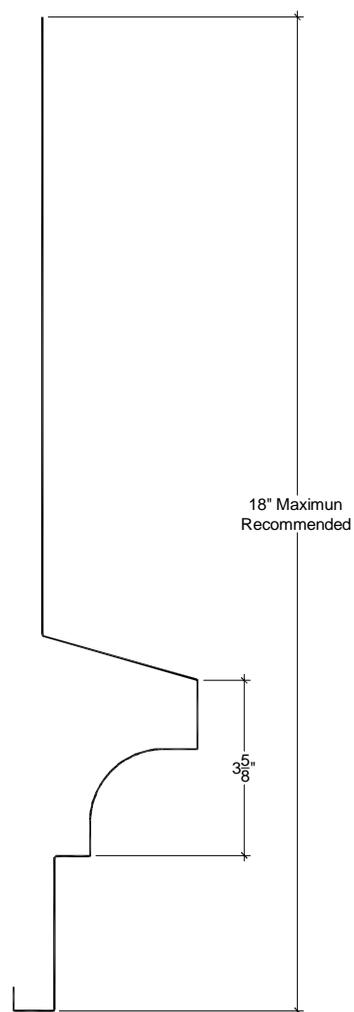
- A** Style A frieze moulding are designed for a simple fit over wood framing.
- B** Style B frieze mouldings are designed to finish and join soffits.
- C** Style C frieze mouldings are designed to join soffits at the upper edge.
- D** Style D frieze moulding offers a decorative edge for a soffit. The lower edge of this profile is presented with a batten profile but edges from style A & B are available.



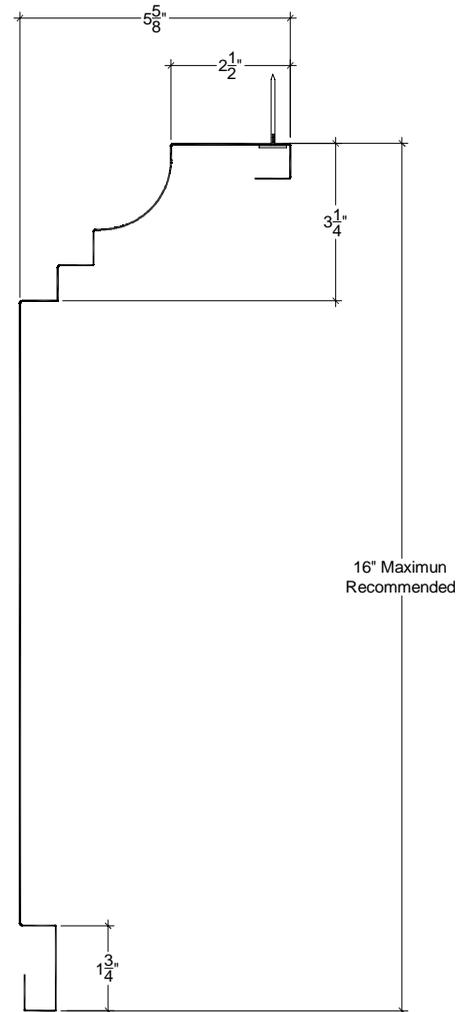
A



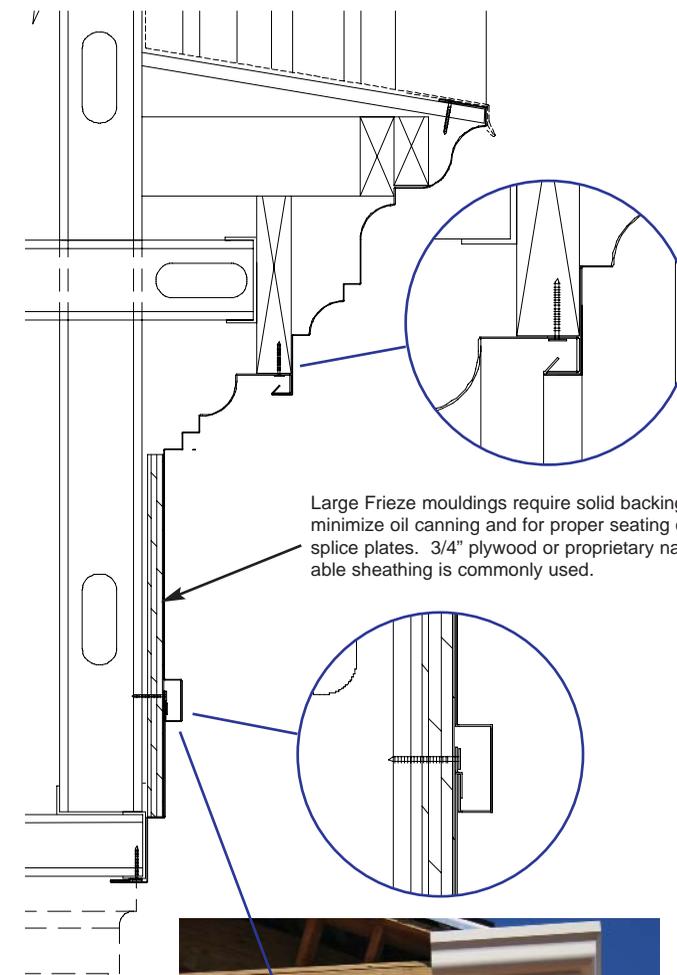
B



C



D



Lance Photograph

## Large Frieze Mouldings

## ADORNMENTS: FLUTES, DENTILS & ENGRAVED PATTERNS

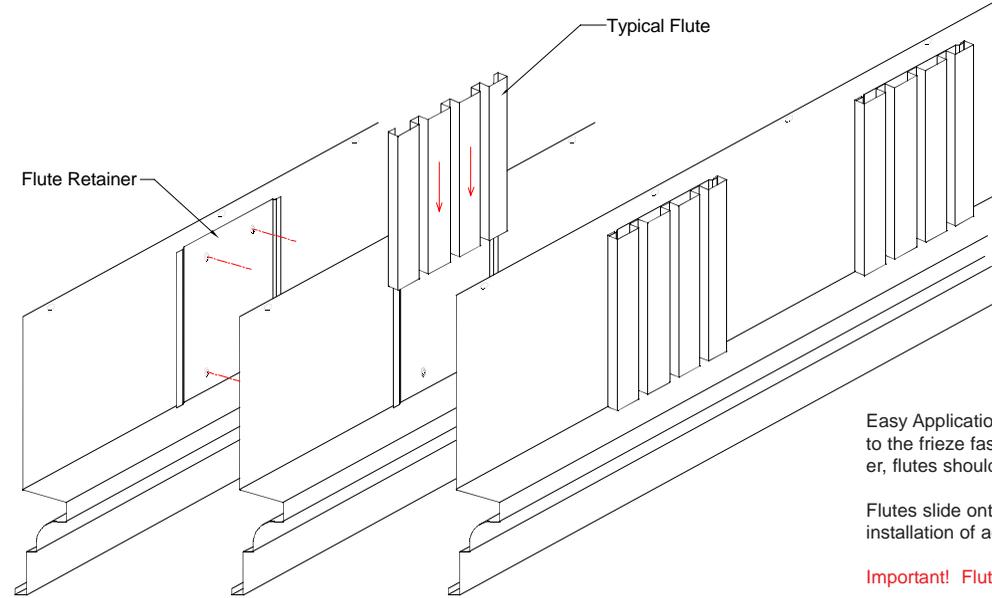


Perimeter Systems' cornices may be adorned with flutes, dentils and engravings. These adornments may also be specifically designed (custom) for your project. The purpose of this and the following page are to show you our capability in this regard. Please note that while our style C large frieze is shown in the illustrations, any of our large friezes as shown on pages 54 & 55 may be used.

**Flutes;** Flutes can be designed with square (shown), v-grooved, and half round indentations. The attachment for all flutes utilizes a retaining plate fastened to the frieze with rivets. Flutes are simply fitted onto the retaining plate and locked into position when abutting cornice members are installed.

**Dentils;** Simple tooth, scalloped, or slanted for gable edges, dentils are precisionally cut out on our state-of-the-art CNC turret punch, formed, and dressed for a neat crisp appearance. Frieze fascias are factory punched for accurate field placement of dentils. We offer 3 types of dentils in 2 widths.

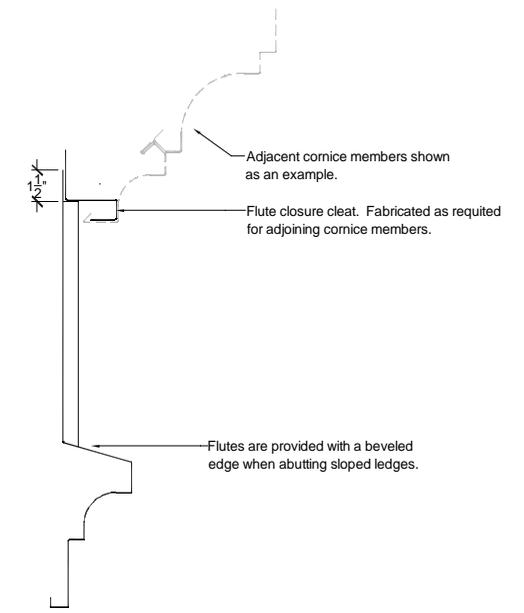
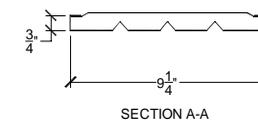
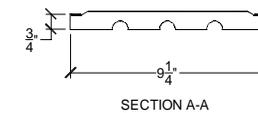
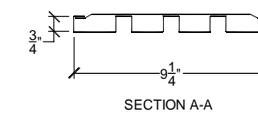
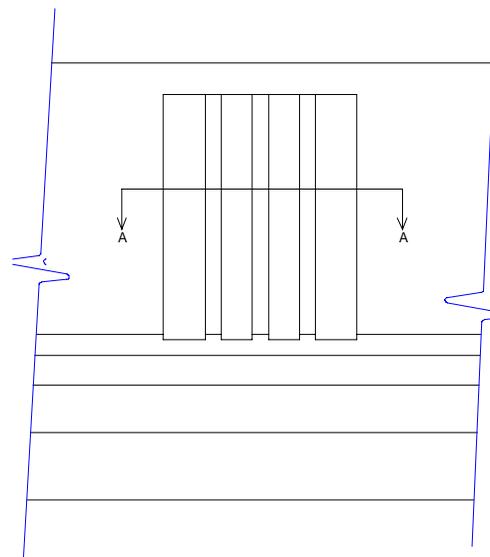
**Engravings;** We offer 4 engraving patterns that are similar to Greek Anthemon & Palmette, Meander, Reed and Scroll patterns as shown in Architectural Graphics Standard 10th Addition. These engravings are milled from 0.125" aluminum to a depth of .096".



Easy Application; Flutes are installed by simply fastening a flute retainer plate to the frieze fascia. Spacing of flutes is at the designer's discretion, however, flutes should be avoided at cornice joints (expansion reveals).

Flutes slide onto their retainer plates and are locked into position with the installation of adjoining cornice members.

**Important!** Flutes must be attached to the frieze fascia prior to its' installation.



NTS



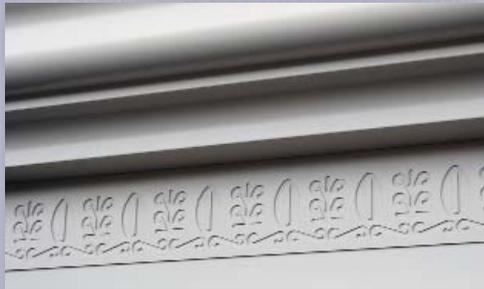
## DENTILS

Dentils are precisionally cut out on our state-of-the-art CNC turret punch, formed, and dressed for a neat crisp appearance. Frieze fascias are factory punched for accurate field placement of dentils. We offer 3 types of dentils in 2 widths. We have also produced custom shapes for historical renovations.

## ENGRAVINGS

Engravings are manufactured from 0.125" thick aluminum panels milled to a depth of 0.096". Engravings are field applied with structural adhesives and minimal fasteners strategically placed in the engraving's milled area. Corners can be factory formed or field cut with butt edges.

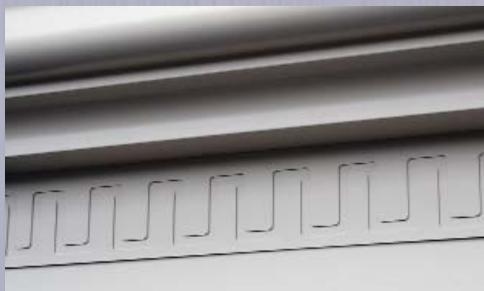
Custom engravings can also be produced and we encourage you to submit your design.



Greek Anthemon & Palmette



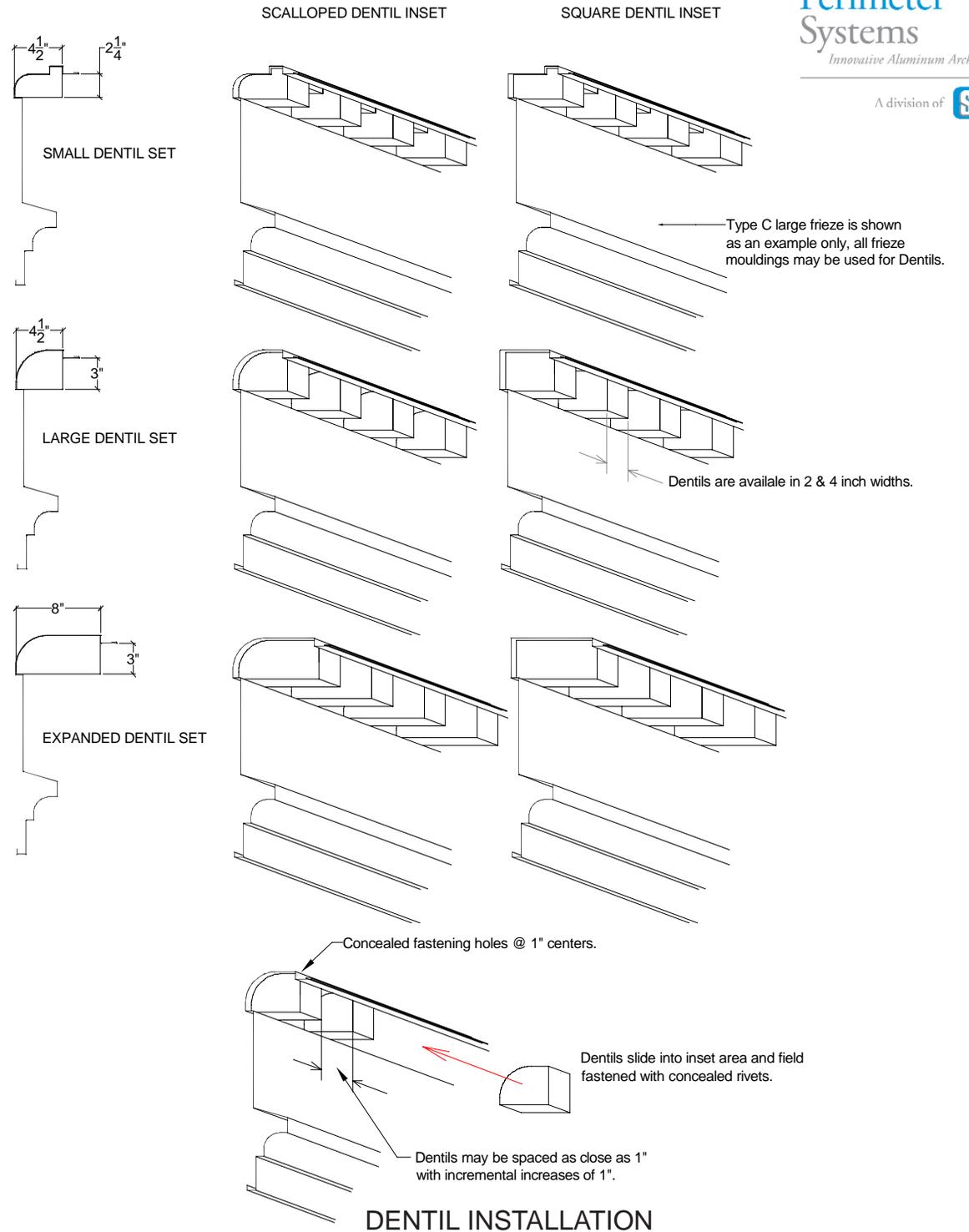
Reed



Meander



Scroll



## *Soffit Panels, Venting Trims, & Related Accessories*

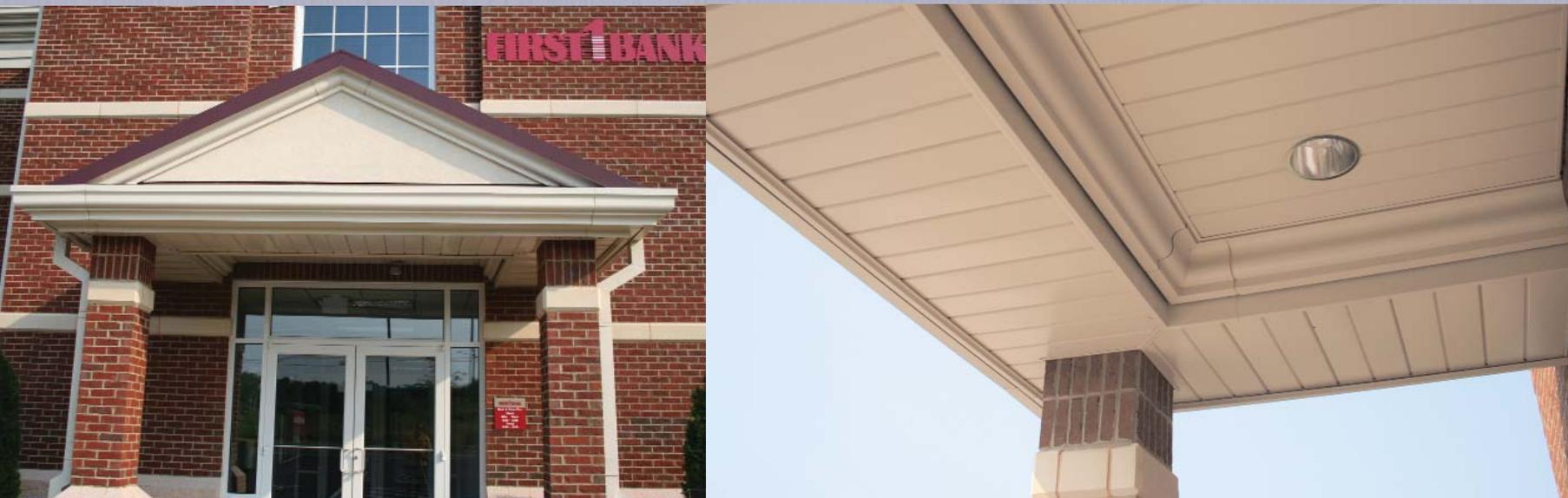


### Soffit Panels

Soffits, and beautifully sculptured mouldings are available in a variety of interchangeable profiles. Our soffit panels are available in solid, full vented, or partial vented panels with an interlocking slip joint. Our panels are roll formed from 0.032" aluminum and feature a stiffening groove to improve flatness and minimize "oil canning".

Unlike other panels on the market with limited color selection, our panels are available in 56 EZ Mix colors and we can custom match other building components as well.

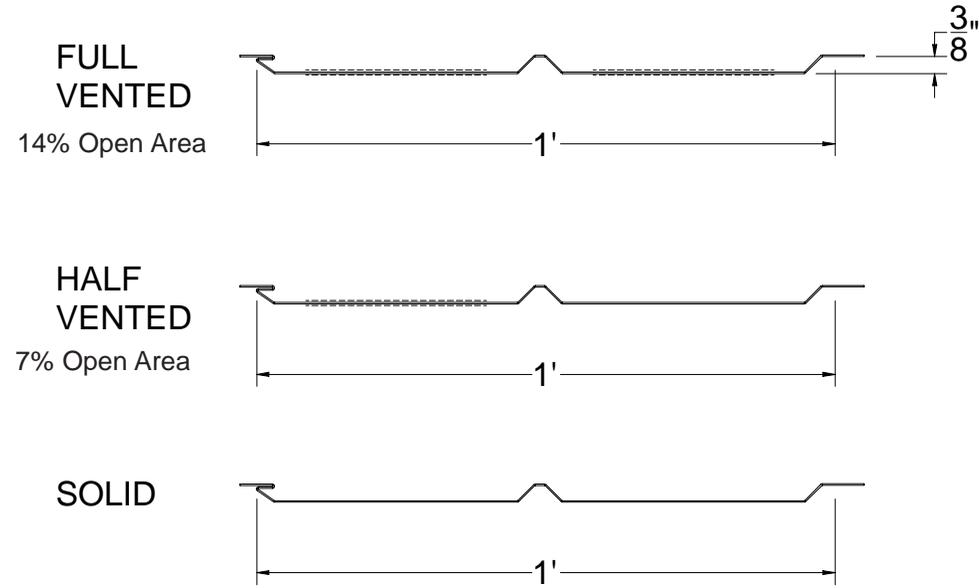
In addition to our rolled formed panels we manufacture flat panels in aluminum as thick as 0.063" for areas subject to high wind or where v-groove joints are not desired.



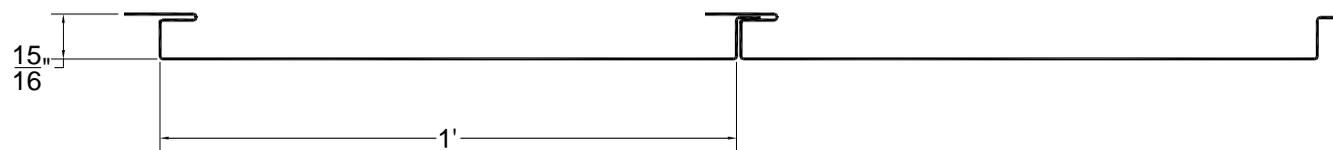
### Venting Trims

We also offer a variety of venting trims for providing ventilation in those difficult areas where vented soffit panels are not practical or desired. These venting trims can abut plywood soffits, stucco, and E.I.F.S. materials.

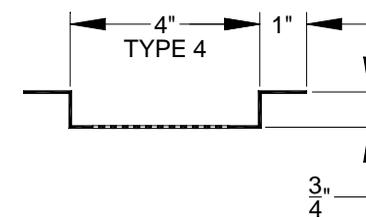
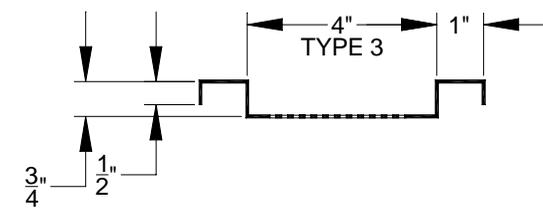
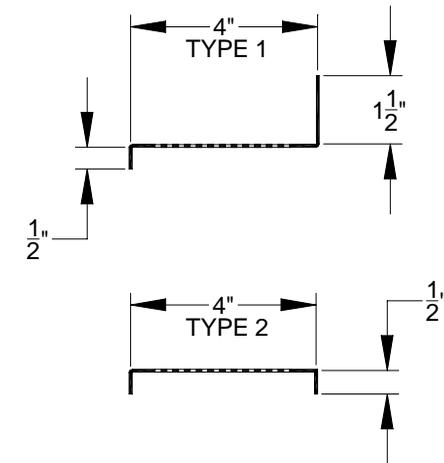




Roll Formed Soffit Panels



Press Formed Flat Soffit Panels



Venting Trims

## CUSTOM ARCHITECTURAL FABRICATIONS

### Entrances, Columns, & Trellises



Perimeter Systems can manufacture, to either concept drawings or your detailed drawings and specifications, custom and complex building elements. Our talented designers along with our fabrication and finishing facilities are second to none. In fact you have two SAF Divisions that can provide you with custom fabrications... Perimeter Systems and SAF Metal Fabrication. Perimeter Systems specializes in roof edge components as well as decorative building elements such as Trellis and ornamental features. SAF Metal Fabrication specializes in more in-depth complex building features such as window and glazing components, beam wraps, specialized wall systems, screenings, and column covers. More information about SAF Metal Fabrication can be found on pages 62 & 63.

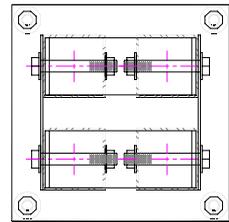
The photos (at right) show some of our capabilities. In the center photographs the entire canopy complex (excluding the flag pole base) roof panels, beam wraps, columns, capitals and pedestals were constructed and painted in our facilities. The extreme right photographs show a matching entrance canopy that we also fabricated. Prior to fabrication, detailed shop drawings are prepared for both architectural approvals and to guide with installation.

Our Trellis products are presented on page 61. The beautiful products are manufactured from aluminum extrusions and sheets, precisionally cut, formed, welded, and finished by our skilled craftsmen. **To insure that your trellis meets local building codes it must be reviewed by your structural engineer(s).** We can provide metal properties and specifications to assist in their evaluation.

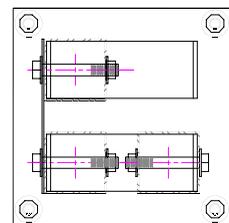


## TRELLIS DETAILS

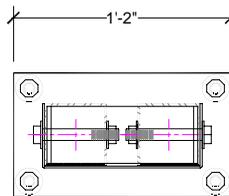
### COLUMN OPTIONS



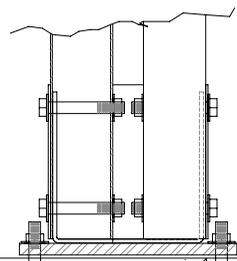
4 Column Assembly



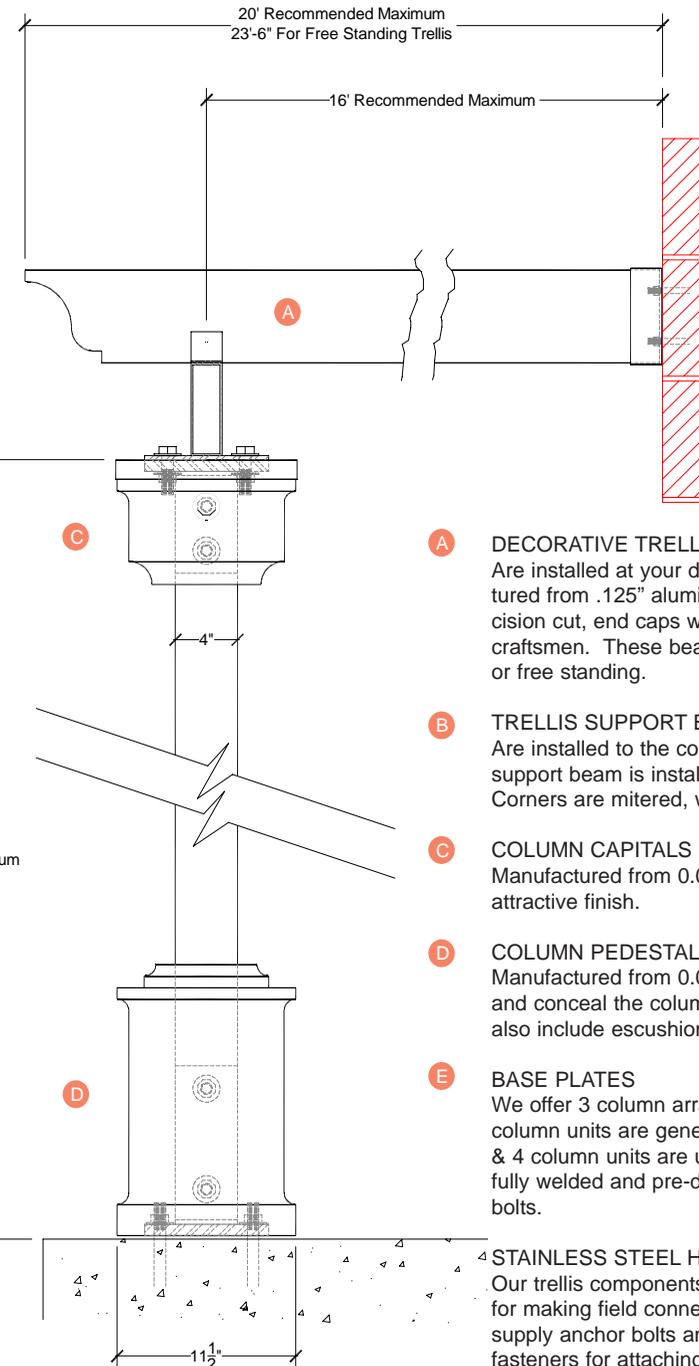
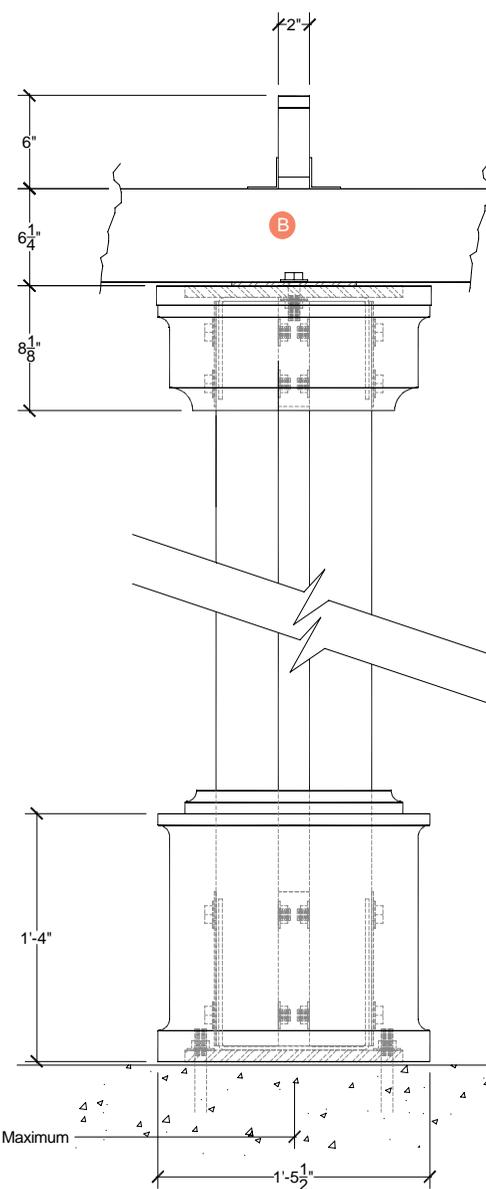
3 Column Assembly  
Used at Corners



2 Column Assembly



E



- A** **DECORATIVE TRELLIS CROSS BEAMS**  
Are installed at your desired spacing. These beams are manufactured from .125" aluminum extrusions. Their scrolled ends are precision cut, end caps welded in place, and hand finished by our craftsmen. These beams are available for single side wall mounting or free standing.
- B** **TRELLIS SUPPORT BEAM**  
Are installed to the column supports and bolted rigidly in place. The support beam is installed continuously at the Trellises perimeter. Corners are mitered, welded and hand finished.
- C** **COLUMN CAPITALS**  
Manufactured from 0.040" aluminum these capitals provide an attractive finish.
- D** **COLUMN PEDESTALS**  
Manufactured from 0.063" aluminum these column pedestals cover and conceal the column's base plate and fasteners. The pedestals also include escussions where the columns penetrate the pedestal.
- E** **BASE PLATES**  
We offer 3 column arrangements for your trellis design. The 2 & 4 column units are generally used for the repeating columns. The 3 & 4 column units are used at corners. All column base plates are fully welded and pre-drilled for fastening both columns and anchor bolts.
- STAINLESS STEEL HARDWARE**  
Our trellis components are furnished with stainless steel hardware for making field connections. Due to unknown conditions we do not supply anchor bolts and accessories for base plate attachment or fasteners for attaching Trellis Decorative Cross beams to your building's structure.

## CUSTOM ARCHITECTURAL FABRICATIONS

Column Covers, Aluminum Composite Wall Systems, Intricate & Decorative Architectural Elements.



Where Perimeter Systems stops, SAF Metal Fabrication takes over. SAF Metal Fabrications scope of work and breath of experience offers you virtually unlimited design possibilities .

From column covers, composite wall systems, to intricate and decorative architectural elements, SAF Metal Fabrication offers project management responsibility for metal, CAD services, fabrication, and finishing, all under one roof. We are unique to the industry because our project management expertise brings together production operations normally managed by several different firms. This culmination of management and fabrication processes insures quick, reliable deliveries, and makes color management for your building elements a breeze.

Give us a challenge and our fabrication and finishing experts will create a solution. SAF's complete inventory, state of the art fabrication facility, anodizing and finishing facilities offers you unparalleled benefits in speed, quality, and enduring aesthetics. When you need help you will find our talented design staff eager to assist... just send us your concept drawings and you'll be amazed at how soon we will respond. Drawings may be sent via email and we can accept AutoCad or drawings with .dxf file formats.



The above photos show some of our intricate metal forming capabilities. Note the beams with angular supports, the radius ceiling, and curved enclosure panels.

Photos at right show our capabilities with aluminum composite materials as well as matching column covers.





## STATE OF THE ART FABRICATION & FINISHING FACILITIES

Both Perimeter Systems and SAF Metal Fabrication share manufacturing resources. Our facilities contain modern, state of the art, fabrication equipment, most of which is computer numerically controlled. This equipment allows us both precision and speed, producing exceptionally high quality products.

Our skilled work force are one of the most talented and dedicated to be found. From welding decorative building elements to final assembly you are certain to be pleased with our craftsmanship.

The photos at left show our modern fabrication facility in Villa Rica, GA. The photo at upper right shows our column cover capabilities. The photo at the lower right shows some of our decorative fill panels, notice the engraving we performed for the Architect's design.

### Resources and Products Overview

#### Capabilities

- Shearing
- Brake Forming (up to 20')
- CNC Punching and Notching
- Rolling
- Sawing / Complex Miter Cuts
- Welding (Mig, Tig, Spot, & Stud)
- Drilling & Counter-sinking
- CNC Routing & Cutting

#### Services

- Anodizing
- Painting
- Computerized color matching
- Powder Coating
- In-House Design

#### Major Product Groups

- Wall Panel Systems
- Column Covers (exterior & interior)
- Sunscreens, Canopies, & Grills
- Ornamental Trim
- Miscellaneous Architectural Elements
- Non-Architectural Metal Fabrication

#### Materials Used

- Aluminum, Aluminum Composites
- Stainless & Galvanized Steels
- Copper Alloys

### SAF Metal Fabrication Innovative Metal Architecture

8370 E. Highway 78  
Villa Rica, GA 30180  
Toll Free 800-241-7429  
Telephone 770-942-1207  
FAX 977-949-4759



# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



# Designer Series Commercial Gutter Systems

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67	<i>Drainage Features</i>
68	<i>Roman Profile</i>
69	<i>Roman Drawings</i>
70	<i>Colonial Profile</i>
71	<i>Colonial Drawings</i>
72	<i>Batten Profile</i>
73	<i>Batten Drawings</i>
74	<i>Contemporary Profile</i>
75	<i>Contemporary Drawings</i>



# DESIGNER SERIES COMMERCIAL GUTTERS INTRODUCTION

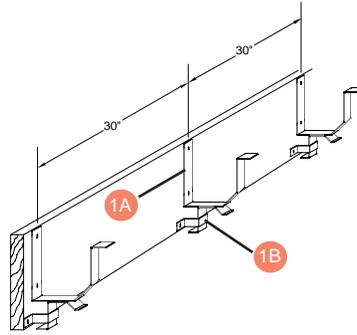


## Perimeter Systems' Designer Series Commercial Gutter Systems

Since 1990, these pre-engineered gutters have been installed on universities, schools, financial institutions, churches, and stately homes throughout the United States. The Designer Series evolved from our "industrial grade" gutters introduced in the late seventies. These industrial gutters were designed to withstand harsh winter conditions for non-residential buildings and have enjoyed an unblemished reputation for durability. The Designer Series Commercial Gutters offer the same durability but with attractive decorative fascias to compliment your project.

The heart of the Designer Series Commercial Gutter System is its' concealed "Liner" (the actual gutter). These aluminum gutter liners are formed on a CNC press with precision telescoping lap joints. Liners are mounted onto heavy duty aluminum brackets designed to support the weight of heavy snow & ice and to provide attachment of the snap-on fascias.

The main feature of the Designer Series Commercial Gutter System is its' decorative snap-on fascias. Available in four standard profiles, these fascias conceal the actual gutter enhancing any building structure. In addition to our standard profiles we have produced many custom shapes for architects and building owners. The CD included with this manual contains specifications and AutoCad drawings of all our Designer Series commercial gutter products.

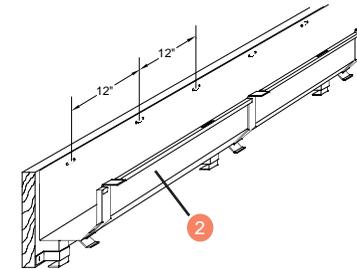


### 1A. Support Bracket

Support Brackets are installed to the eave's fascia board. If the fascia board is larger than the gutter system then closure / finishing trims such as our J-Covers should be installed prior to bracket installation. Support Brackets are fastened with #10 x 2" stainless screws.

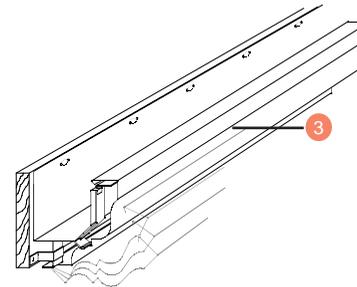
### 1B. Keeper Bracket

Keeper Brackets are provided for the 8" Roman Fascia Profile due to its large size (they are not for our other profiles)



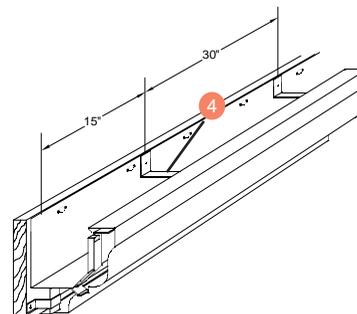
### 2. Concealed Liner

Aluminum Gutter Liners are factory notched to receive both support brackets and interior straps. Notching for these brackets alternates for equal offset spacing. Liners are manufactured with 1" telescoping joints which are, factory punched for field riveting, and sealed with a high performance gutter seal. Once the liner is mounted onto support brackets, its upper rear edge is fastened through factory elongated holes.



### 3. Snap-On Decorative Fascia

Fascia selection must be determined when ordering the Designer Series Gutter System. Each fascia profile has its own unique support bracket and for this reason fascia profiles are not interchangeable. Fascias are installed by hooking their lower hemmed edge over the support bracket's lower retainer stem and pulling into position. Fascia joint treatment is a 3/8" expansion reveal with a 6" concealed (backup) splice plate.



### 4. Interior Straps

Interior straps complete the system installation. These straps weave through notched holes in the liner's outer lip, engaging the fascia's hemmed edge, and are riveted to the liner's rear edge. Once installed, the straps securely lock the decorative fascias in place.



## DESIGNER SERIES COMMERCIAL GUTTER DRAINAGE FEATURES



### CONCEALED DRAINAGE

CONCEALED DRAINS provide an attractive and efficient alternative to downspouts. Concealed drainage is particularly effective on clock & bell towers, steeples, and high profile projects where downspouts would be unattractive or projects where vandalism is an issue.

CONCEALED DRAINS are also used to pipe rain water through the soffit area of a cornice assembly and connecting to exposed downspouts. This method eliminates the elbows that connect the gutter to the downspouts and the cornice becomes even more attractive. CONCEALED DRAINS used in cornices and pipe rain water through wall cavities into underground drainage also give the appearance that your building has no gutters as they appear built-in.

The Designer Series Commercial Gutter System's drains are heavy casting with threaded outlets. These drains are as watertight as any plumbing fixture in your building. The drains are mounted into specially formed liner receivers designed to accommodate the drains shape and fasteners.

Drain styles and sizes are presented with our profiles in the following pages. For detailed information such as drain clearance dimensions please see page 84.



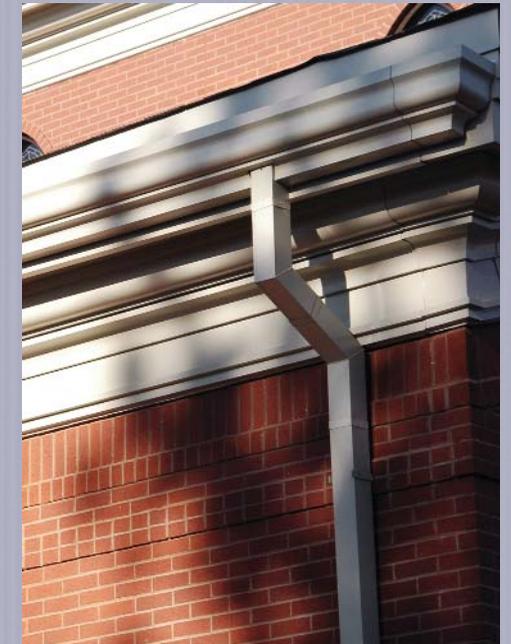
### EXPOSED OPEN FACE DOWNSPOUTS & CONDUCTOR HEADS

In northern climates that are subject to extreme cold temperatures we manufacture open face downspouts. These downspouts are available with decorative head and pedestal plates along with strengthening bars.

In addition to open face downspouts we manufacture an assortment of collector heads for our Designer Series Commercial Gutter System. Conductor heads range from corner units (as shown in the above photograph) to inline units. Conductor heads are also available in free standing units.

Information for open face downspouts is located on page 86.

Information for conductor heads is located on page 87.



### CONVENTIONAL DOWNSPOUTS

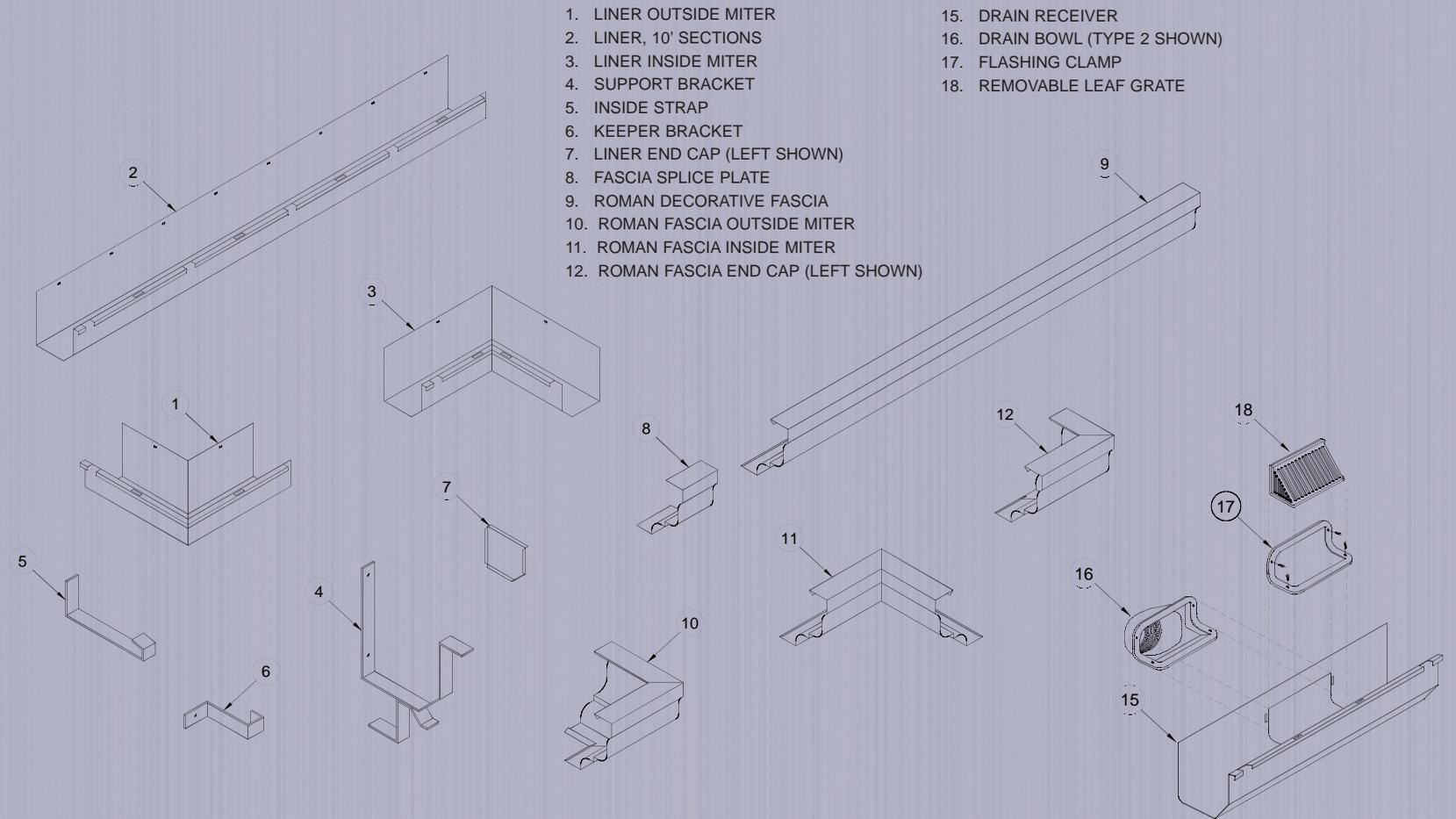
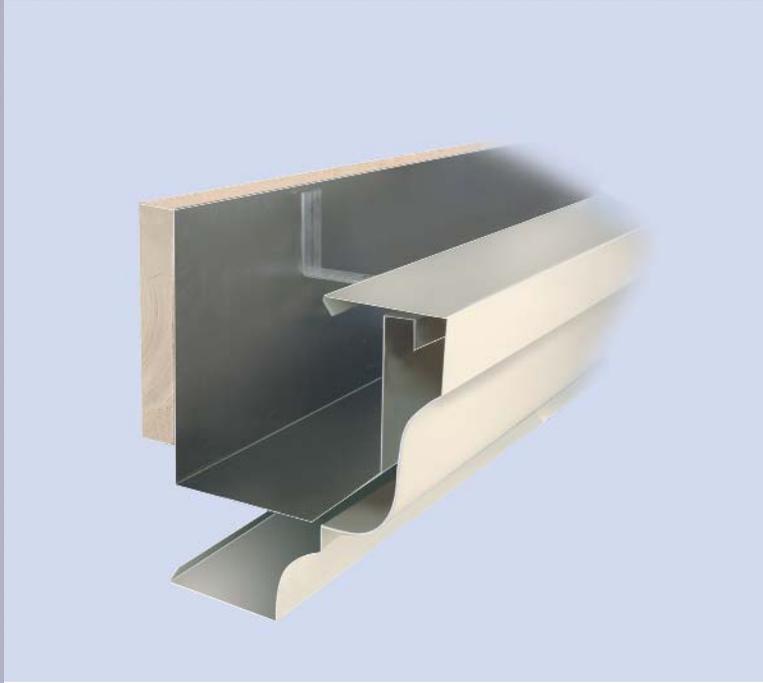
Conventional downspouts are cut through the Designer Series Commercial Gutter's fascias. These downspouts extend up and through the fascia and are connected to outlet tubes similar to residential gutters.

Perimeter Systems offers a wide selections of downspouts ranging from ornamental round to heavy wall aluminum extrusions. With the exception of our roll-formed products, all elbows are helliarc welded and post coated with high performance coatings. We also offer 3 types of brackets for wall mounting your downspouts.

Information for our downspout products are on pages 86 & 87.

Detailed drainware information begins on page 84.

## DESIGNER SERIES COMMERCIAL GUTTER ROMAN PROFILE



1. LINER OUTSIDE MITER
2. LINER, 10' SECTIONS
3. LINER INSIDE MITER
4. SUPPORT BRACKET
5. INSIDE STRAP
6. KEEPER BRACKET
7. LINER END CAP (LEFT SHOWN)
8. FASCIA SPLICE PLATE
9. ROMAN DECORATIVE FASCIA
10. ROMAN FASCIA OUTSIDE MITER
11. ROMAN FASCIA INSIDE MITER
12. ROMAN FASCIA END CAP (LEFT SHOWN)
15. DRAIN RECEIVER
16. DRAIN BOWL (TYPE 2 SHOWN)
17. FLASHING CLAMP
18. REMOVABLE LEAF GRATE

### ROMAN PROFILE

The Roman Profile is the most popular of the Designer Series Commercial Gutters. Its sculptured shape replicates cornice detail from the Classical Orders and is most often used on financial institutions, universities, courthouses, and churches. It is also used in historic replications while providing you with the most advanced gutter system available today.

Available in 2 sizes, the Designer Series Commercial Gutters will accommodate exceptionally large roofs and is design to support snow & ice loads. Please refer to pages 88 & 89 to properly size this gutter system for your application and climactic conditions.

Matching eave and gable rake trims can be found on pages 44-45.

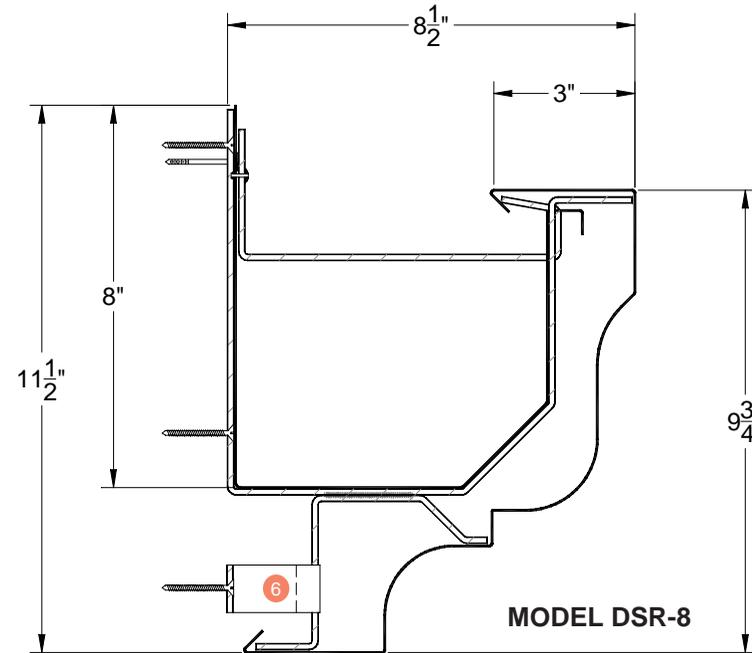
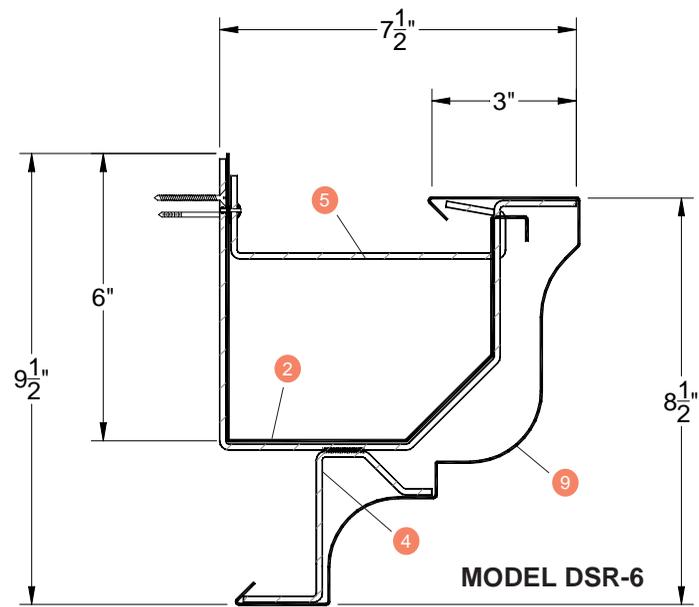
### FINISHES

The Designer Series Commercial Gutter System is available in 56 EZ Mix Kynar colors. Please see page 96 for colors and other finish options.

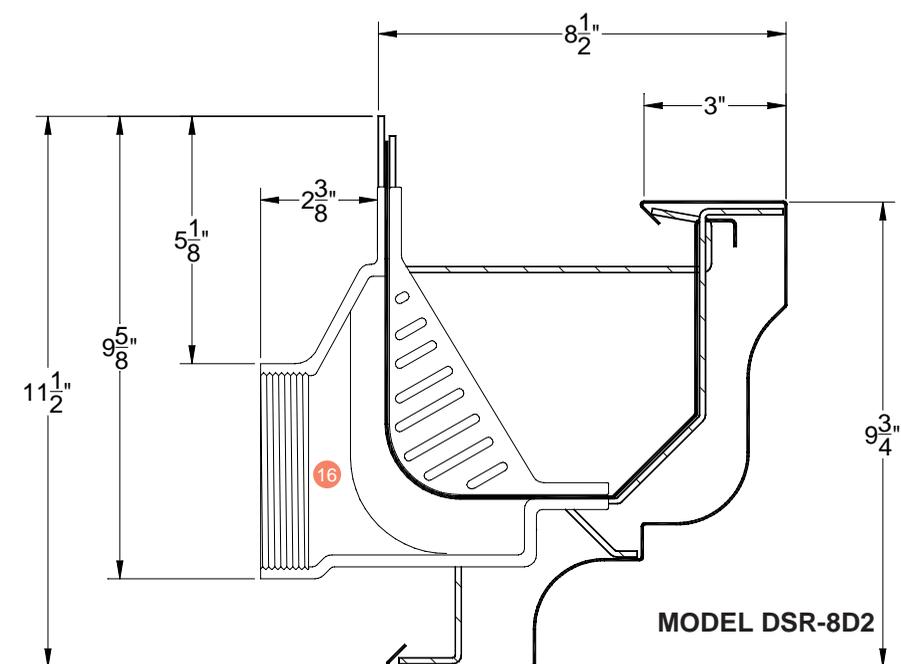
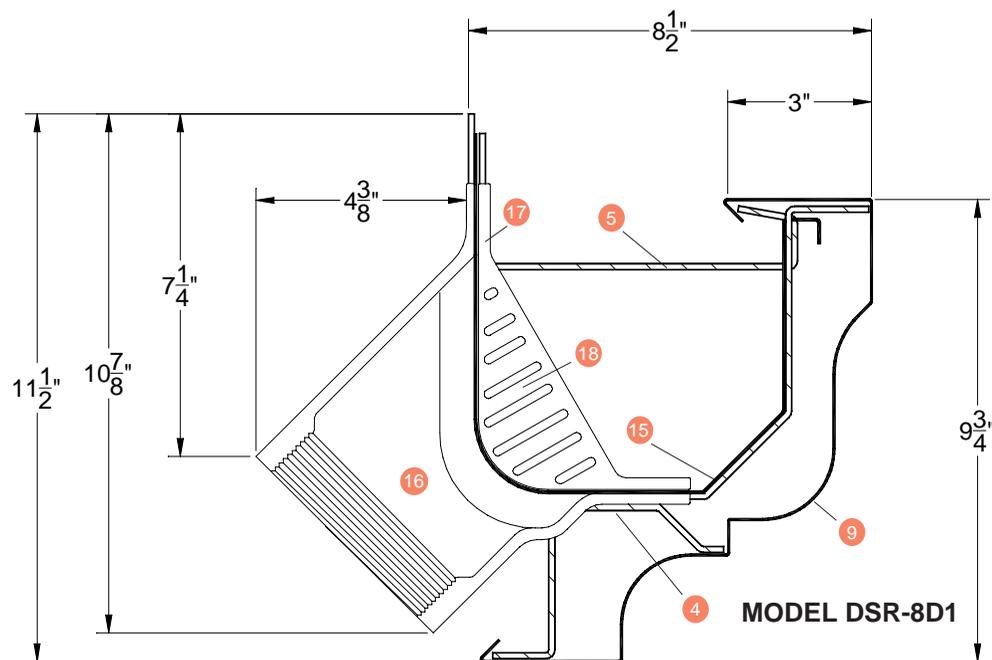
METAL OPTIONS			FINISH OPTIONS		
METAL	LINER	FASCIA	FINISH	LINER	FASCIA
0.040" Aluminum	●	●	EZ Mix Kynar 56 Colors		●
0.050" Aluminum	●		Custom Kynar		●
0.063" Aluminum	●		Clear Anodized	●	●
0.080" Aluminum	●		Integral Color Anodized		●
0.090" Aluminum	●		Mill Finish	●	●
16 OZ. Copper	●	●			

Default Selections are Red

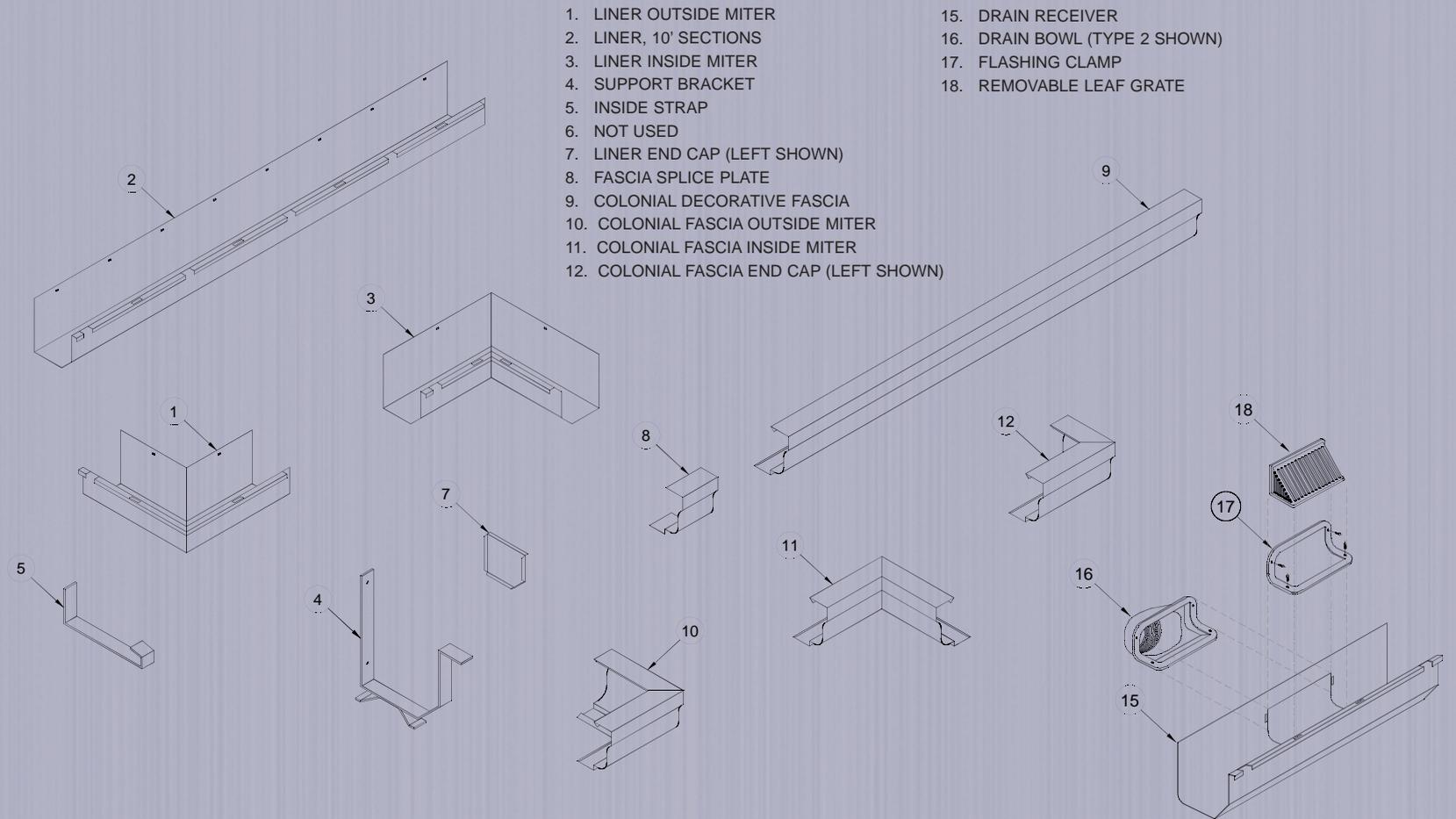
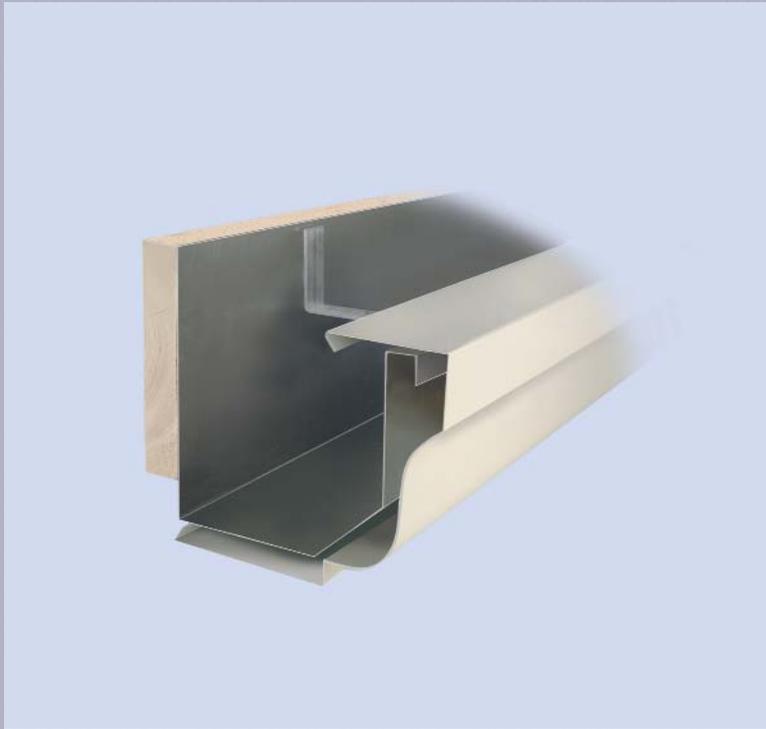
Liners must be clear anodized when using copper fascias.



- 2 LINER, 10' SECTIONS
- 4 SUPPORT BRACKET
- 5 INSIDE STRAP
- 6 KEEPER BRACKET
- 9 ROMAN DECORATIVE FASCIA
- 15 DRAIN RECEIVER
- 16 DRAIN BOWL (TYPE 2 SHOWN)
- 17 FLASHING CLAMP
- 18 REMOVABLE LEAF GRATE



## DESIGNER SERIES COMMERCIAL GUTTER COLONIAL PROFILE



## COLONIAL PROFILE

The Colonial Profile is also a very popular style of the Designer Series Commercial Gutters. Its sculptured shape and overall profile is smaller than our Roman Profile making it ideal for roof eaves with small fascias. This profile is commonly used on stately homes as well as financial institutions, universities, courthouses, and churches. It is also used in historic renovations while providing you with the most advanced gutter system available today.

Available in 2 sizes, the Designer Series Commercial Gutters will accommodate exceptionally large roofs and is designed to support snow & ice loads. Please refer to pages 88 & 89 to properly size this gutter system for your application and climatic conditions.

Matching eave and gable rake trims can be found on pages 46 & 47.

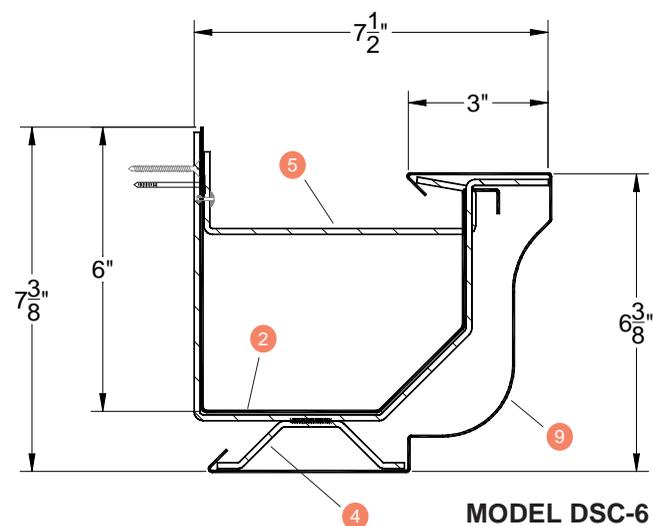
## FINISHES

The Designer Series Commercial Gutter System is available in 56 EZ Mix Kynar colors. Please see page 96 for colors and other finish options.

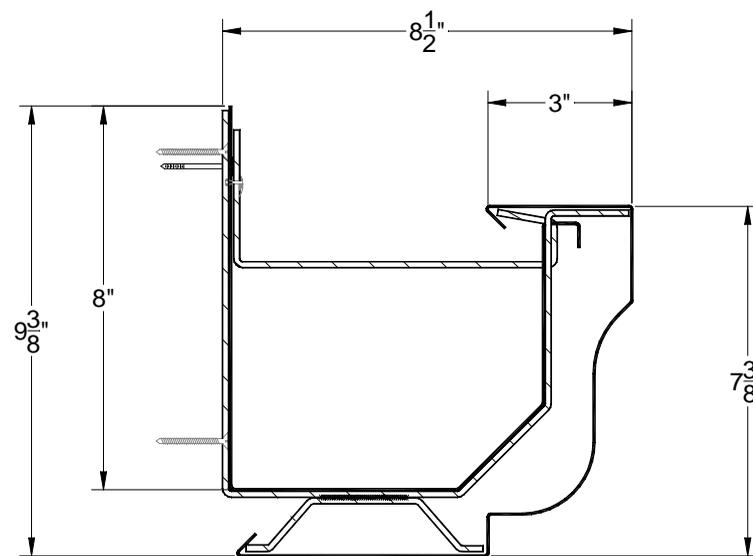
METAL OPTIONS			FINISH OPTIONS		
METAL	LINER	FASCIA	FINISH	LINER	FASCIA
0.040" Aluminum	●	●	EZ Mix Kynar 56 Colors		●
0.050" Aluminum	●		Custom Kynar		●
0.063" Aluminum	●		Clear Anodized	●	●
0.080" Aluminum	●		Integral Color Anodized		●
0.090" Aluminum	●		Mill Finish	●	●
16 OZ. Copper	●	●			

Default Selections are Red

Liners must be clear anodized when using copper fascias.

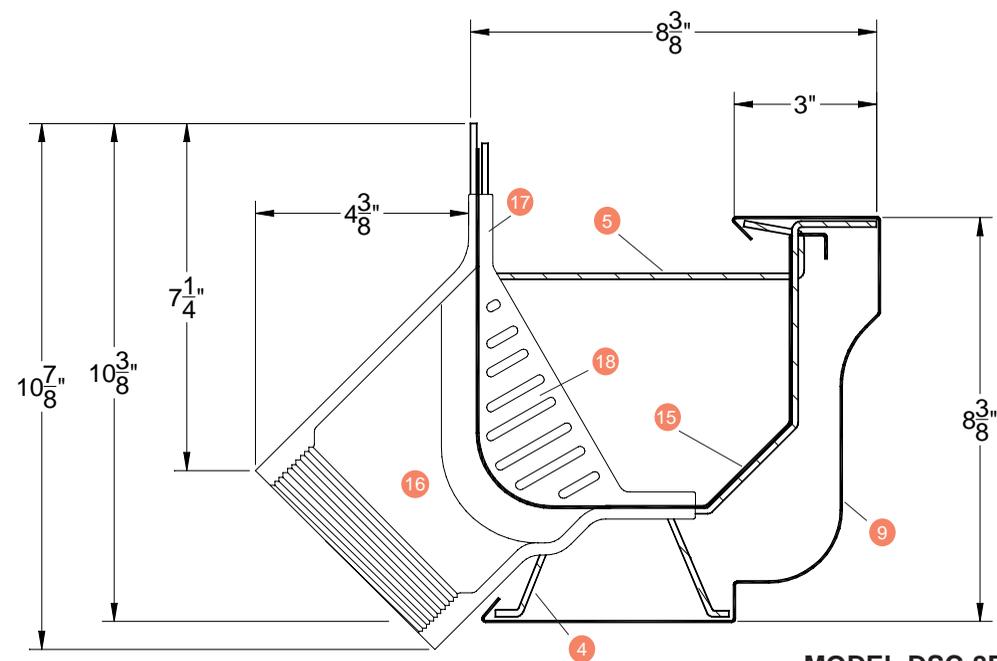


**MODEL DSC-6**

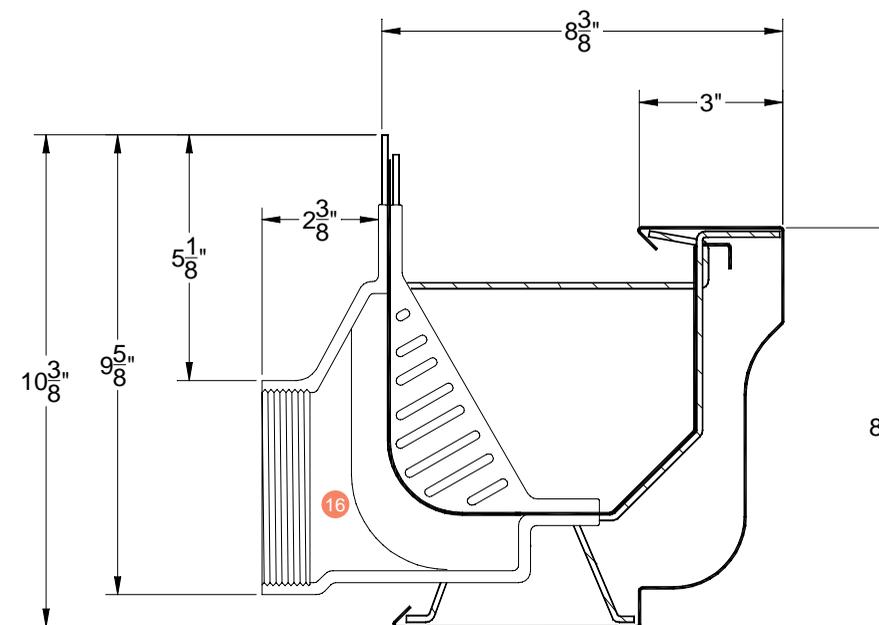


**MODEL DSC-8**

- 2 LINER, 10' SECTIONS
- 4 SUPPORT BRACKET
- 5 INSIDE STRAP
- 9 COLONIAL DECORATIVE FASCIA
- 15 DRAIN RECEIVER
- 16 DRAIN BOWL (TYPE 2 SHOWN)
- 17 FLASHING CLAMP
- 18 REMOVABLE LEAF GRATE

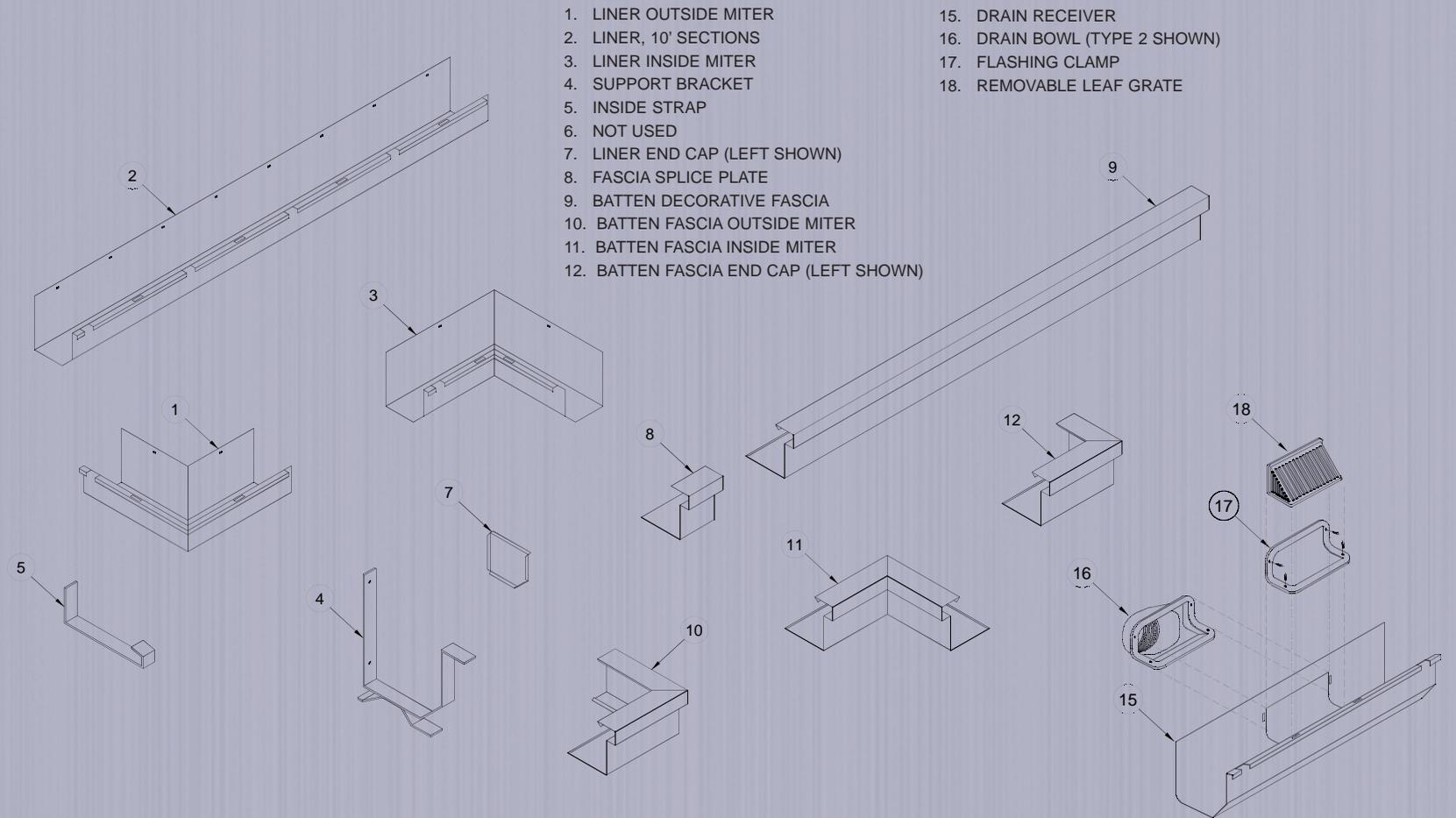
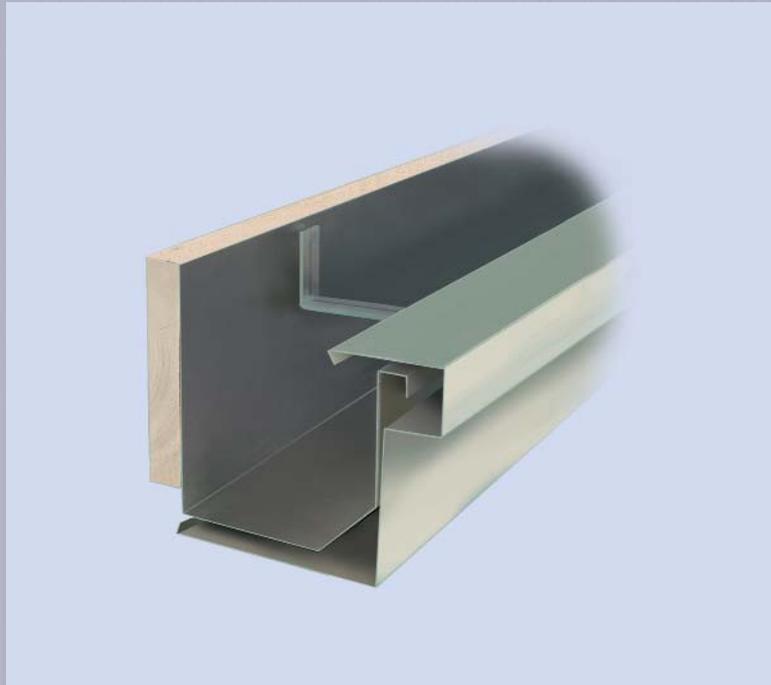


**MODEL DSC-8D1**



**MODEL DSC-8D2**

## DESIGNER SERIES COMMERCIAL GUTTER BATTEN PROFILE



## BATTEN PROFILE

The Batten Profile is also a very popular style of the Designer Series Commercial Gutters. Its blocked shape replicates a board and batten look. This profile is commonly used in new construction of office buildings, retail shops, schools and medical facilities to mention just a few.

Available in 2 sizes, the Designer Series Commercial Gutters will accommodate exceptionally large roofs and is designed to support snow & ice loads. Please refer to pages 88 & 89 to properly size this gutter system for your application and climatic conditions.

Striking effects can be achieved with matching eave or gable rake trims.

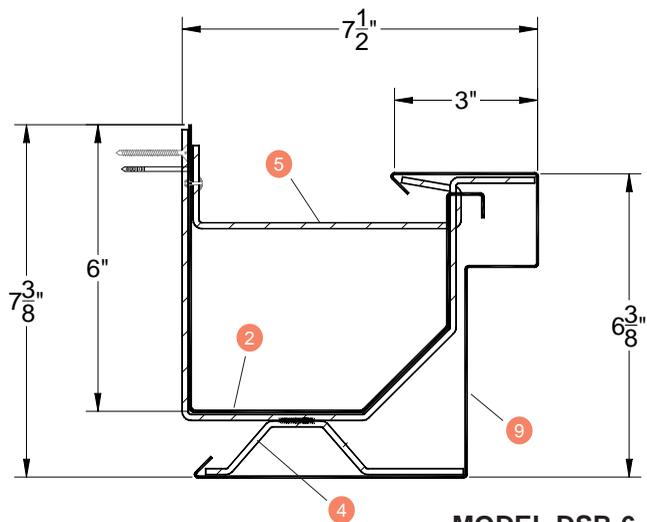
## FINISHES

The Designer Series Commercial Gutter System is available in 56 EZ Mix Kynar colors. Please see page 96 for colors and other finish options.

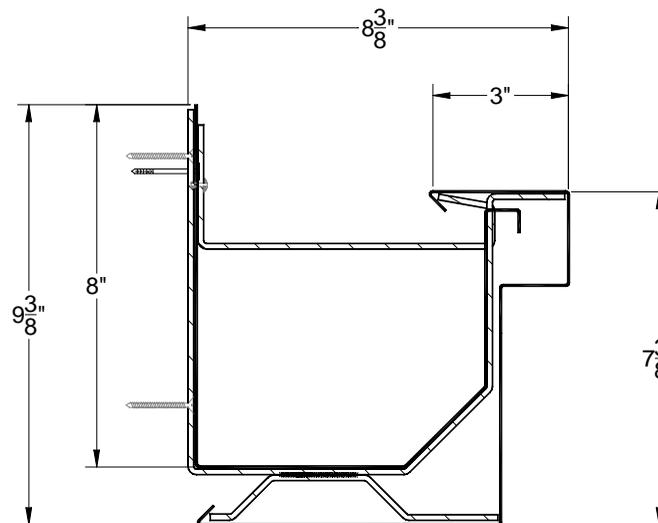
METAL OPTIONS			FINISH OPTIONS		
METAL	LINER	FASCIA	FINISH	LINER	FASCIA
0.040" Aluminum	●	●	EZ Mix Kynar 56 Colors		●
0.050" Aluminum	●		Custom Kynar		●
0.063" Aluminum	●		Clear Anodized	●	●
0.080" Aluminum	●		Integral Color Anodized		●
0.090" Aluminum	●		Mill Finish	●	●
16 OZ. Copper	●	●			

Default Selections are Red

Liners must be clear anodized when using copper fascias.

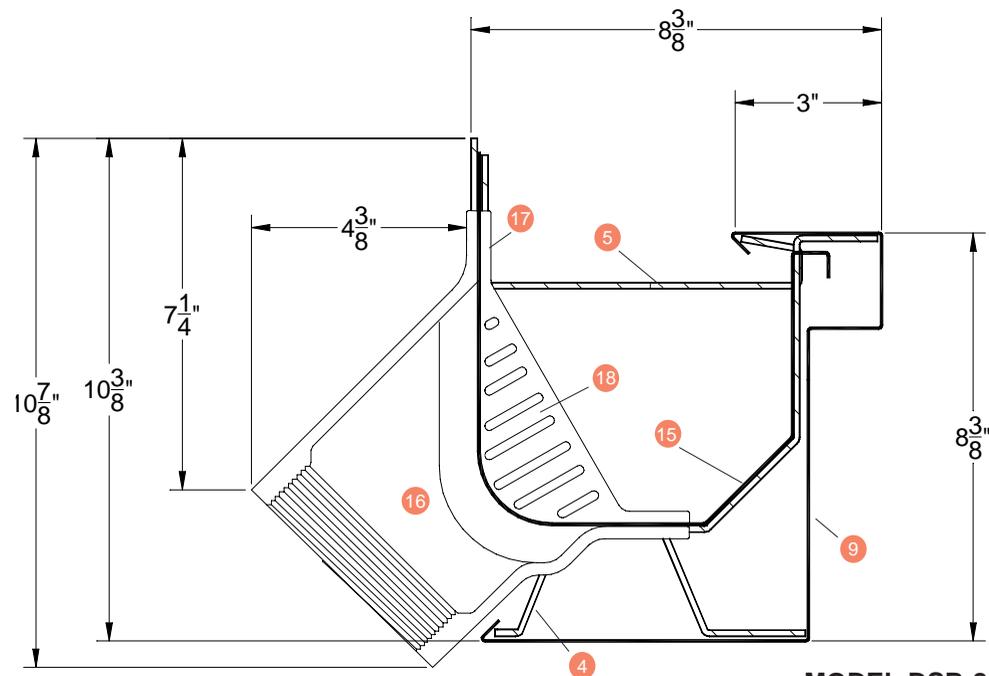


**MODEL DSB-6**

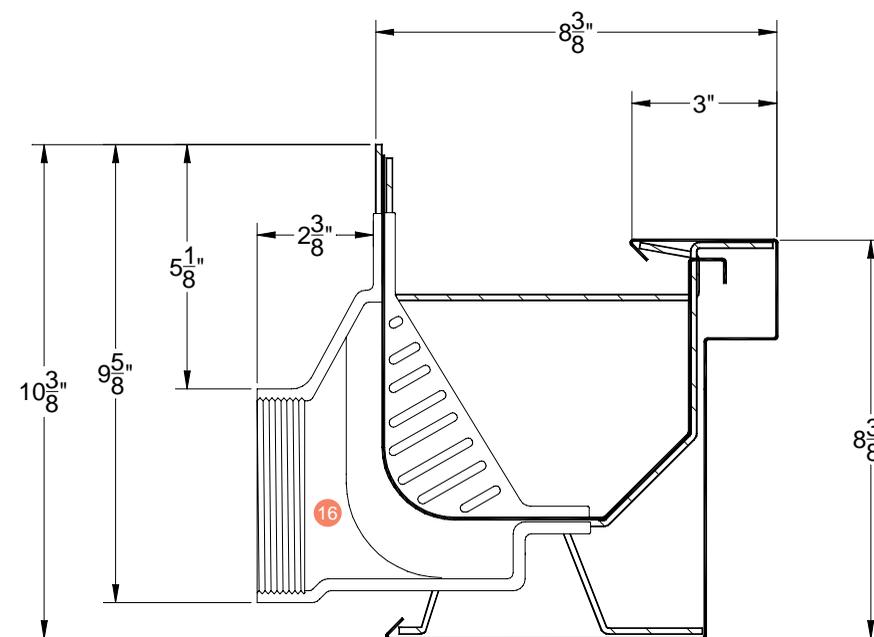


**MODEL DSB-8**

- 2 LINER, 10' SECTIONS
- 4 SUPPORT BRACKET
- 5 INSIDE STRAP
- 9 BATTEN DECORATIVE FASCIA
- 15 DRAIN RECEIVER
- 16 DRAIN BOWL (TYPE 2 SHOWN)
- 17 FLASHING CLAMP
- 18 REMOVABLE LEAF GRATE

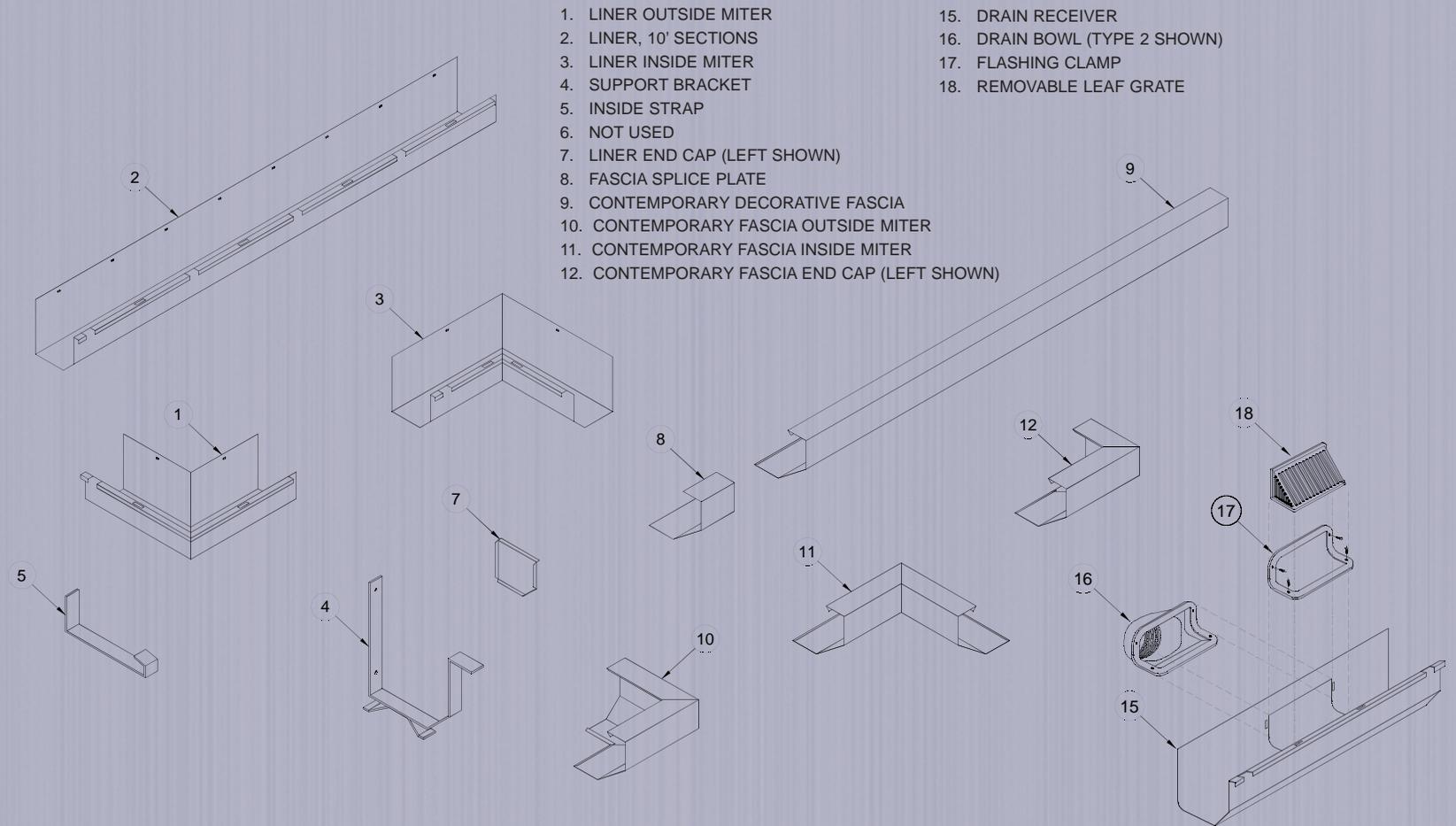


**MODEL DSB-8D1**



**MODEL DSB-8D2**

# DESIGNER SERIES COMMERCIAL GUTTER CONTEMPORARY PROFILE



## CONTEMPORARY PROFILE

The Contemporary Profile is also a very popular style of the Designer Series Commercial Gutters. Its trimmed shape offers a smooth, clean, and modern roof edge. Like the Batten Profile, Contemporary also lends itself to new construction of office buildings, retail shops, schools and medical facilities to mention just a few. This profile is an excellent choice for structures adjoining pre-engineered metal buildings.

Available in 2 sizes, the Designer Series Commercial Gutters will accommodate exceptionally large roofs and is designed to support snow & ice loads. Please refer to pages 88 & 89 to properly size this gutter system for your application and climatic conditions.

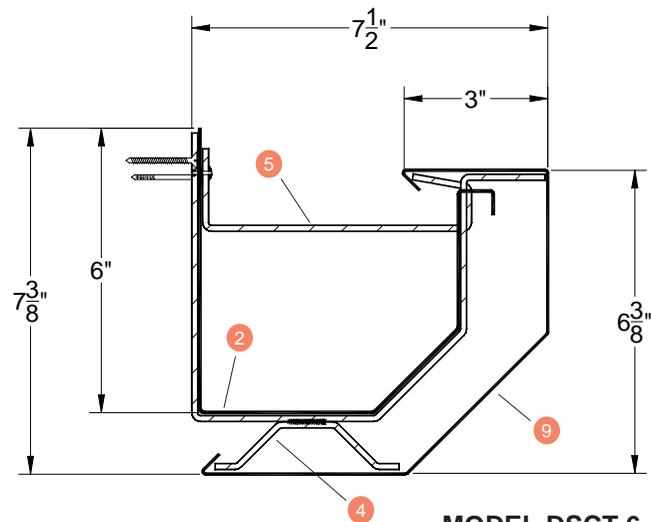
## FINISHES

The Designer Series Commercial Gutter System is available in 56 EZ Mix Kynar colors. Please see page 96 for colors and other finish options.

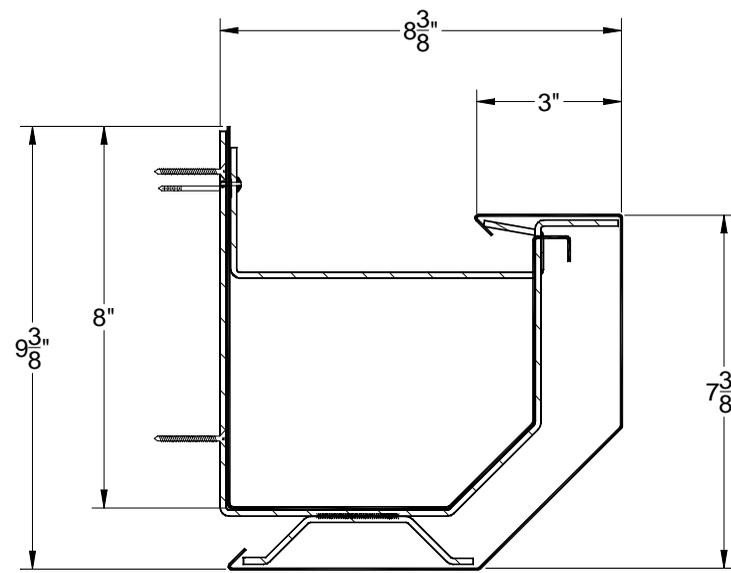
METAL OPTIONS			FINISH OPTIONS		
METAL	LINER	FASCIA	FINISH	LINER	FASCIA
0.040" Aluminum	●	●	EZ Mix Kynar 56 Colors		●
0.050" Aluminum	●		Custom Kynar		●
0.063" Aluminum	●		Clear Anodized	●	●
0.080" Aluminum	●		Integral Color Anodized		●
0.090" Aluminum	●		Mill Finish	●	●
16 OZ. Copper	●	●			●

Default Selections are Red

Liners must be clear anodized when using copper fascias.

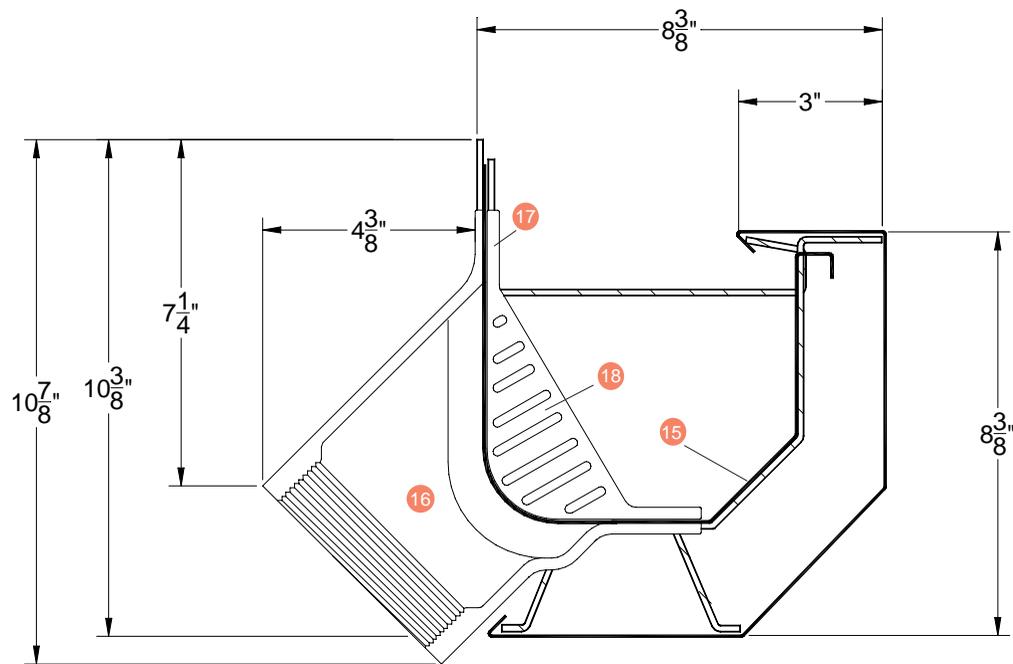


**MODEL DSCT-6**

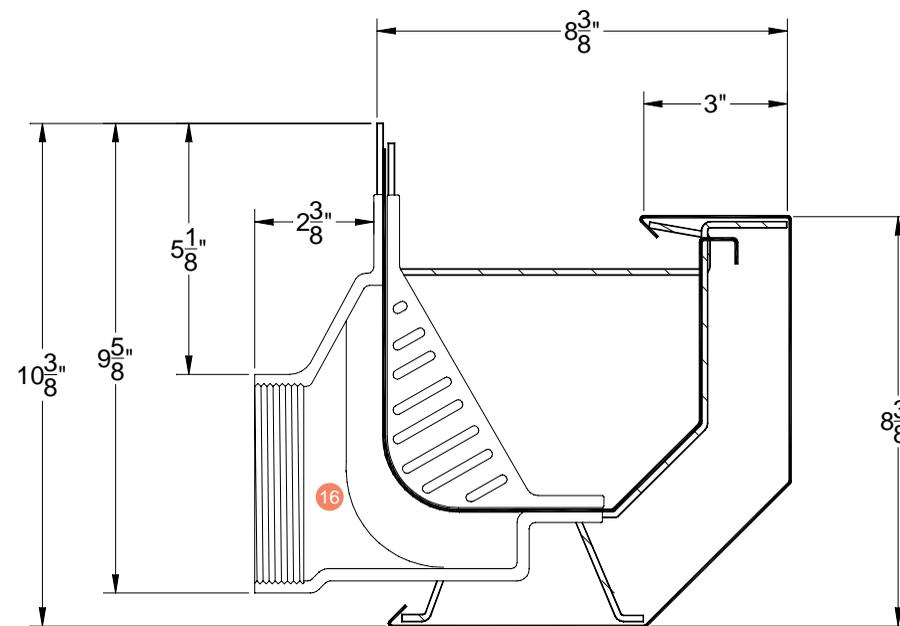


**MODEL DSCT-8**

- 2 LINER, 10' SECTIONS
- 4 SUPPORT BRACKET
- 5 INSIDE STRAP
- 9 CONTEMPORARY DECORATIVE FASCIA
- 15 DRAIN RECEIVER
- 16 DRAIN BOWL (TYPE 2 SHOWN)
- 17 FLASHING CLAMP
- 18 REMOVABLE LEAF GRATE



**MODEL DSCT-8D1**



**MODEL DSCT-8D2**

# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



# Industrial Series Commercial Gutter Systems

## SECTION CONTENTS

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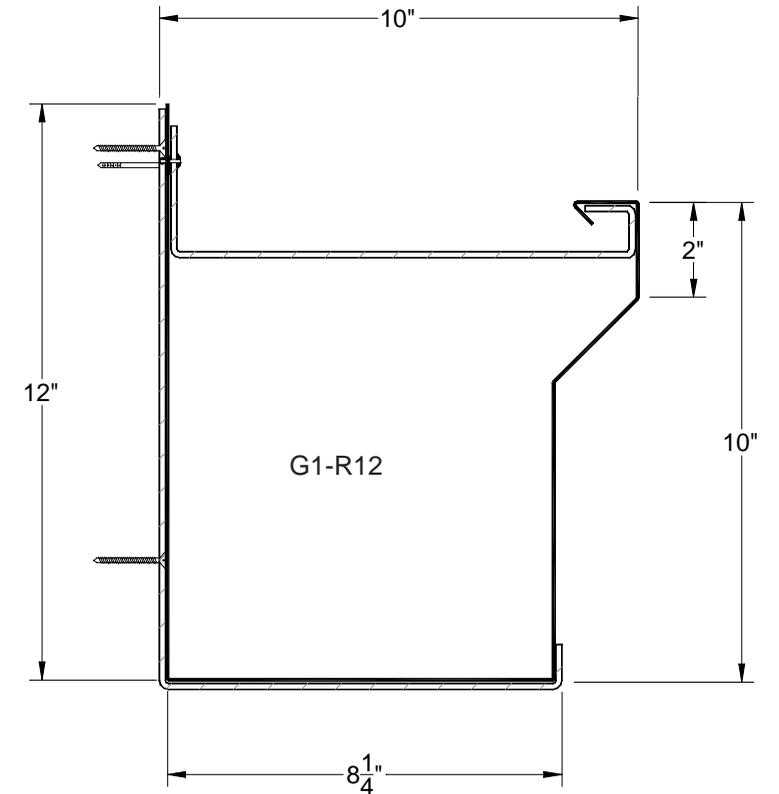
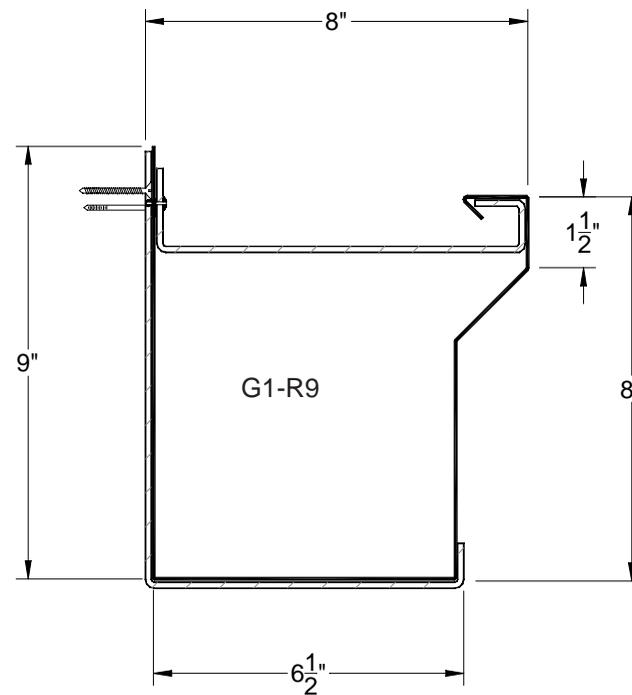
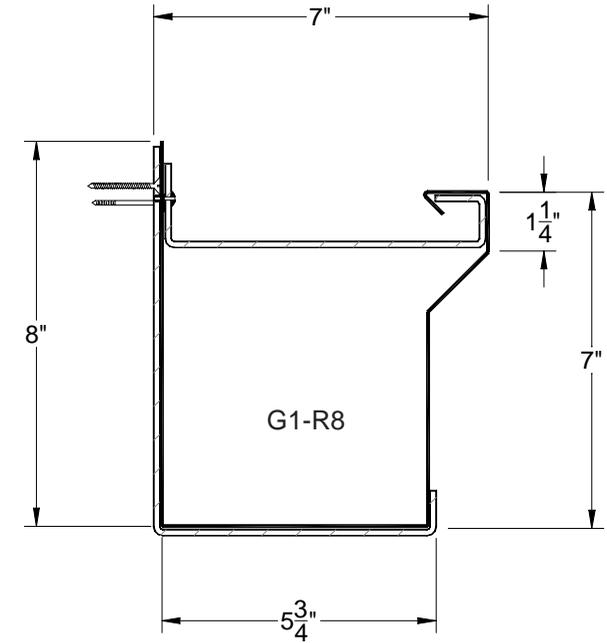
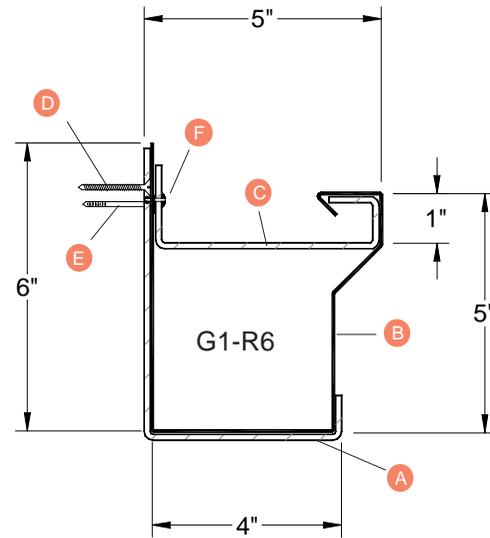


# INDUSTRIAL SERIES PROFILE G1

- A** Heavy duty support brackets @ 30" centers.
- B** Gutter Profile, 10' length, 1" telescoping joints.
- C** Heavy duty interior straps @30" centers.
- D** #10 x 2" S.S. wood screw(s)
- E** 1-1/2" stainless nails or #10 x 2" S.S. wood screw(s)
- F** Aluminum rivets to secure interior strap.

METAL OPTIONS		
METAL	GUTTER	BRACKET
0.040" Aluminum	●	
0.050" Aluminum	●	
0.063" Aluminum	●	
0.080" Aluminum	●	
0.090" Aluminum	●	
0.125" Aluminum	●	●

FINISH OPTIONS		
FINISH	BRACKET	FASCIA
EZ Mix Kynar 56 Colors	●	●
Custom Kynar	●	●
Clear Anodized	●	●
Integral Color Anodized	●	●
Mill Finish	●	●



3" Scale

Default Selections are Red

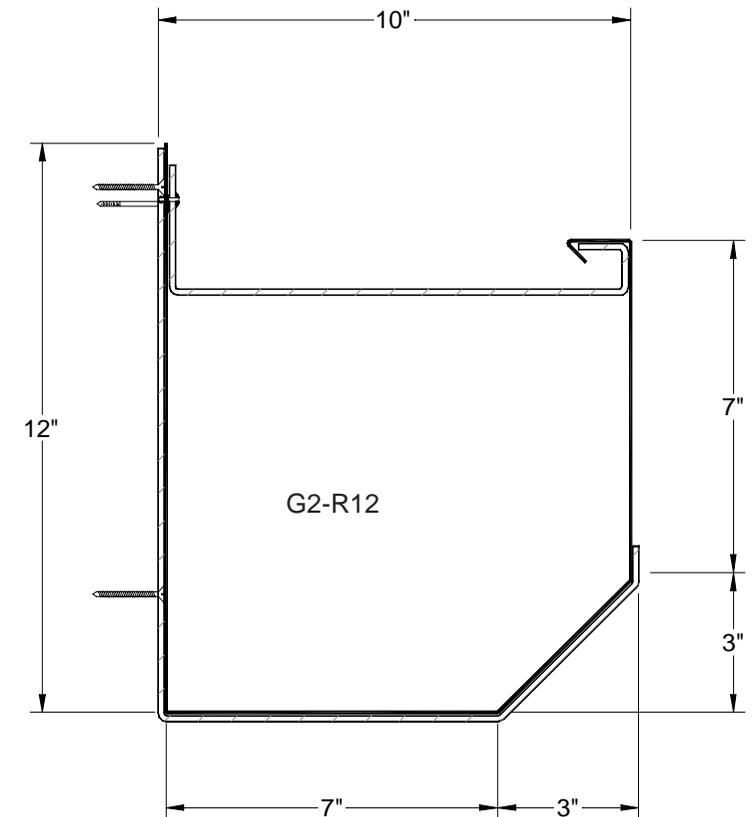
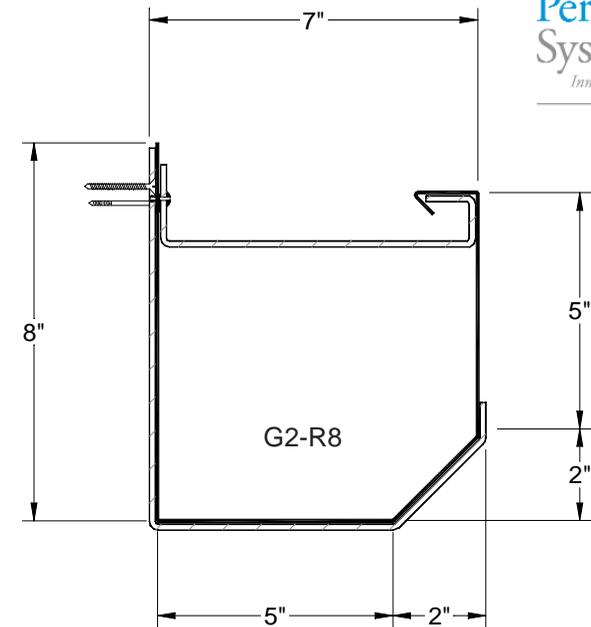
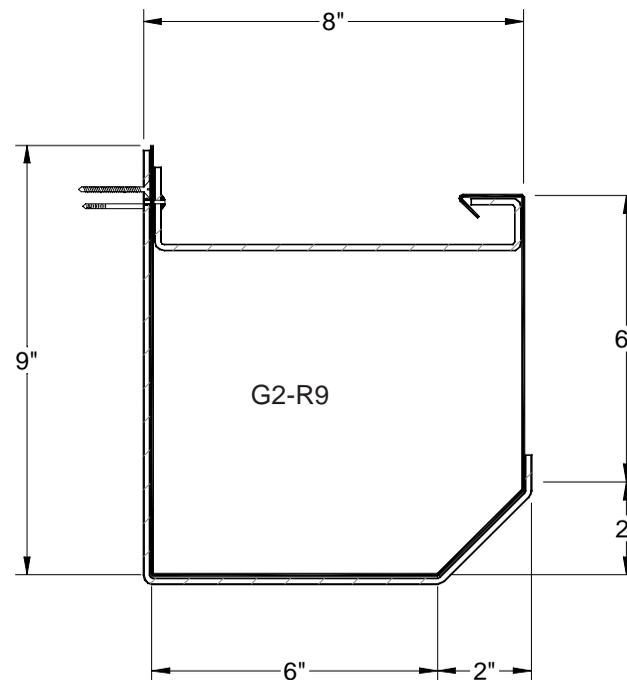
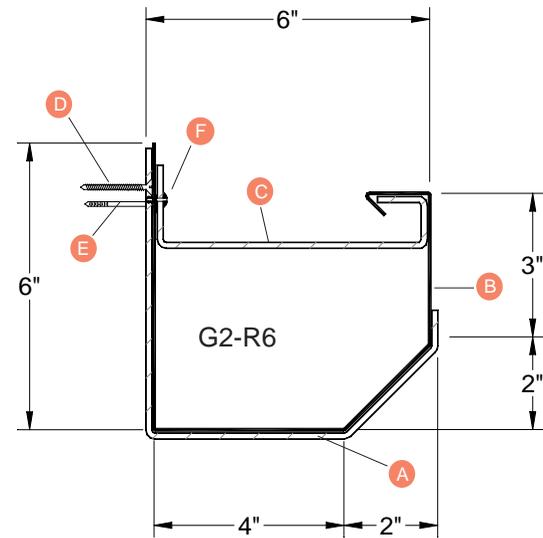
# INDUSTRIAL SERIES PROFILE G2

- A** Heavy duty support brackets @ 30" centers.
- B** Gutter Profile, 10' length, 1" telescoping joints.
- C** Heavy duty interior straps @30" centers.
- D** #10 x 2" S.S. wood screw(s)
- E** 1-1/2" stainless nails or #10 x 2" S.S. wood screw(s)
- F** Aluminum rivets to secure interior strap.

METAL OPTIONS		
METAL	GUTTER	BRACKET
0.040" Aluminum	●	
0.050" Aluminum	●	
0.063" Aluminum	●	
0.080" Aluminum	●	
0.090" Aluminum	●	
0.125" Aluminum	●	●

FINISH OPTIONS		
FINISH	BRACKET	FASCIA
EZ Mix Kynar 56 Colors	●	●
Custom Kynar	●	●
Clear Anodized	●	●
Integral Color Anodized	●	●
Mill Finish	●	●

Default Selections are Red



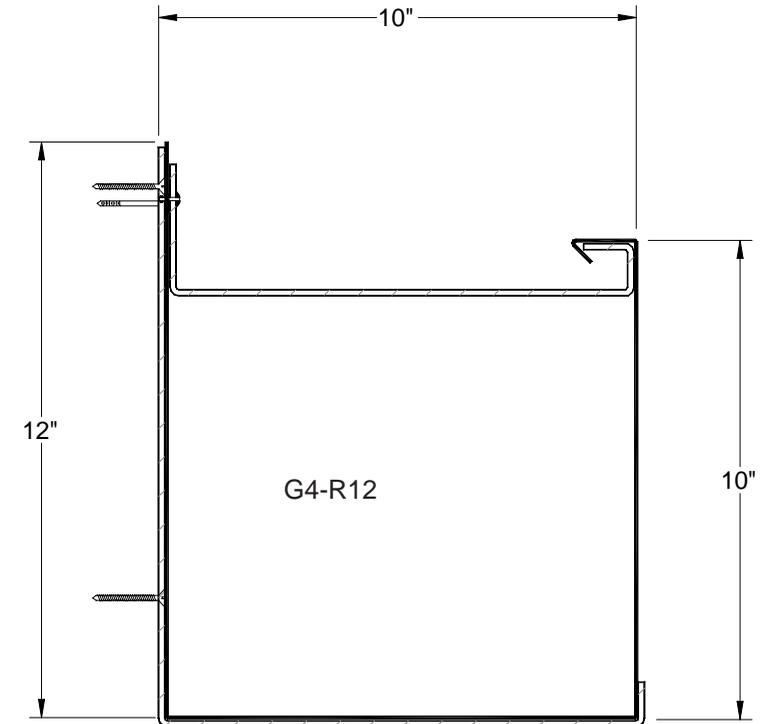
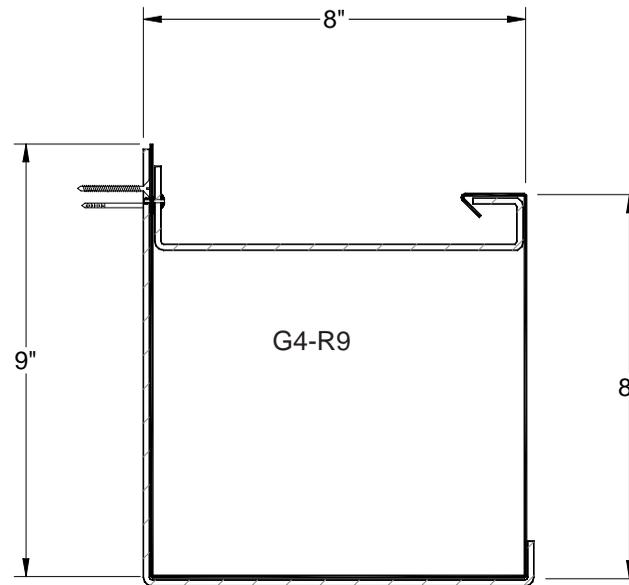
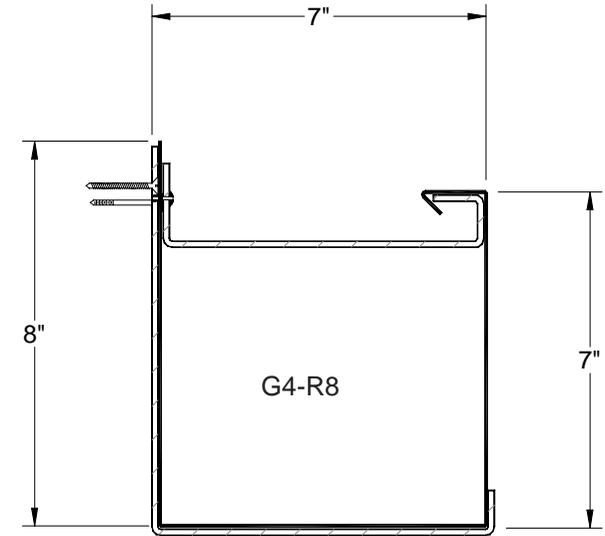
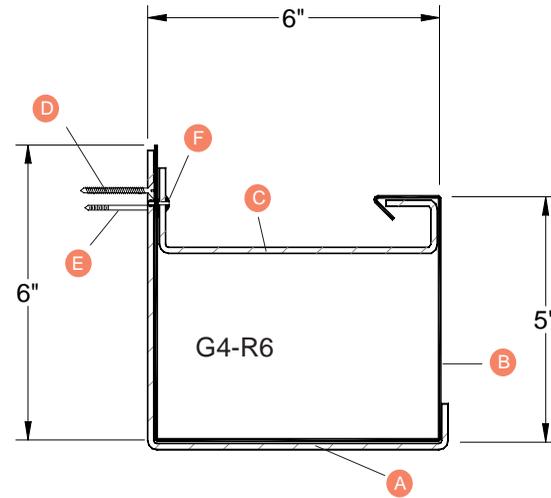
3" Scale

# INDUSTRIAL SERIES PROFILE G4

- A** Heavy duty support brackets @ 30" centers.
- B** Gutter Profile, 10' length, 1" telescoping joints.
- C** Heavy duty interior straps @30" centers.
- D** #10 x 2" S.S. wood screw(s)
- E** 1-1/2" stainless nails or #10 x 2" S.S. wood screw(s)
- F** Aluminum rivets to secure interior strap.

METAL OPTIONS		
METAL	GUTTER	BRACKET
0.040" Aluminum	●	
0.050" Aluminum	●	
0.063" Aluminum	●	
0.080" Aluminum	●	
0.090" Aluminum	●	
0.125" Aluminum	●	●

FINISH OPTIONS		
FINISH	BRACKET	FASCIA
EZ Mix Kynar 56 Colors	●	●
Custom Kynar	●	●
Clear Anodized	●	●
Integral Color Anodized	●	●
Mill Finish	●	●



3" Scale

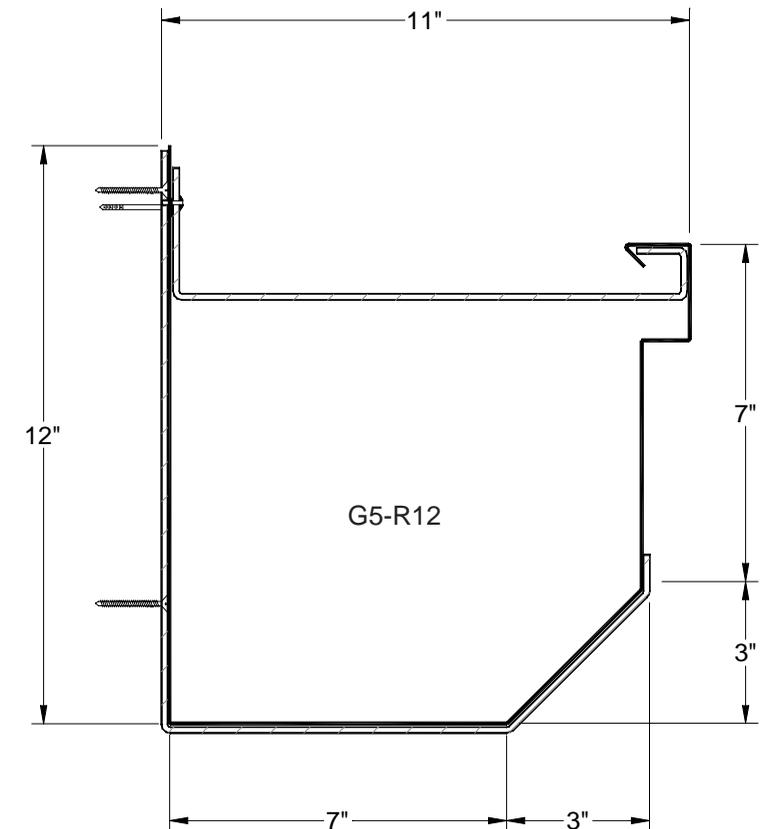
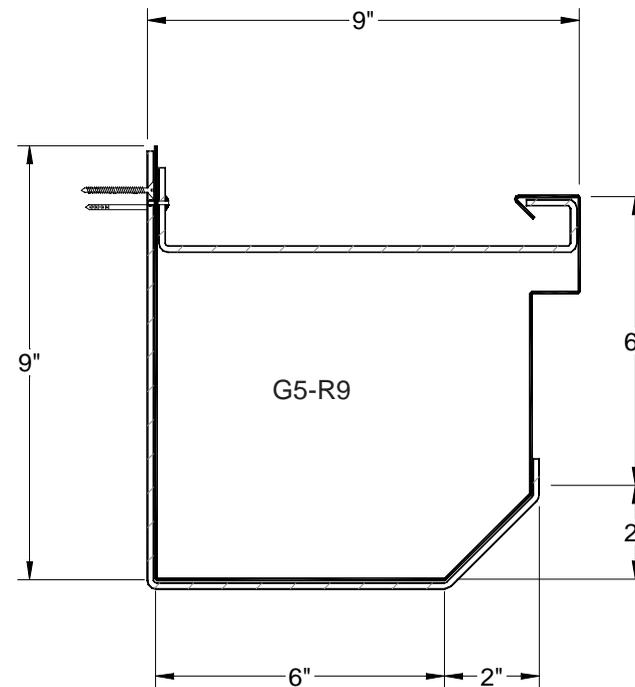
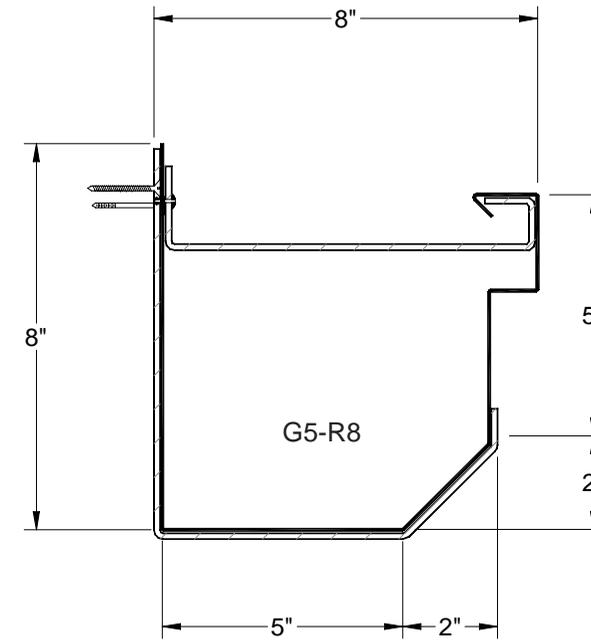
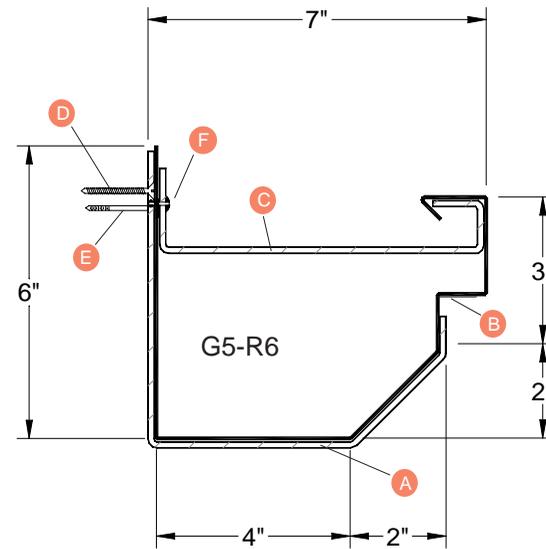
# INDUSTRIAL SERIES PROFILE G5

- A** Heavy duty support brackets @ 30" centers.
- B** Gutter Profile, 10' length, 1" telescoping joints.
- C** Heavy duty interior straps @30" centers.
- D** #10 x 2" S.S. wood screw(s)
- E** 1-1/2" stainless nails or #10 x 2" S.S. wood screw(s)
- F** Aluminum rivets to secure interior strap.

METAL OPTIONS		
METAL	GUTTER	BRACKET
0.040" Aluminum	●	
0.050" Aluminum	●	
0.063" Aluminum	●	
0.080" Aluminum	●	
0.090" Aluminum	●	
0.125" Aluminum	●	●

FINISH OPTIONS		
FINISH	BRACKET	FASCIA
EZ Mix Kynar 56 Colors	●	●
Custom Kynar	●	●
Clear Anodized	●	●
2 Step Color Anodized	●	●
Mill Finish	●	●

Default Selections are Red



3" Scale

# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



# Drainware & Sizing Tables

## SECTION CONTENTS

84	<i>Concealed Drains</i>
85	<i>Conventional Drainware</i>
86	<i>Downspout Types &amp; Sizes</i>
87	<i>Elbows &amp; Conductor Heads</i>
88	<i>Weather Data Maps</i>
89	<i>Sizing Tables</i>



## COMMERCIAL GUTTER SYSTEMS

### DRAIN-WARE Concealed Drains

The Designer Series Commercial Gutter Systems are available with either concealed "internal" drains or exposed downspouts.

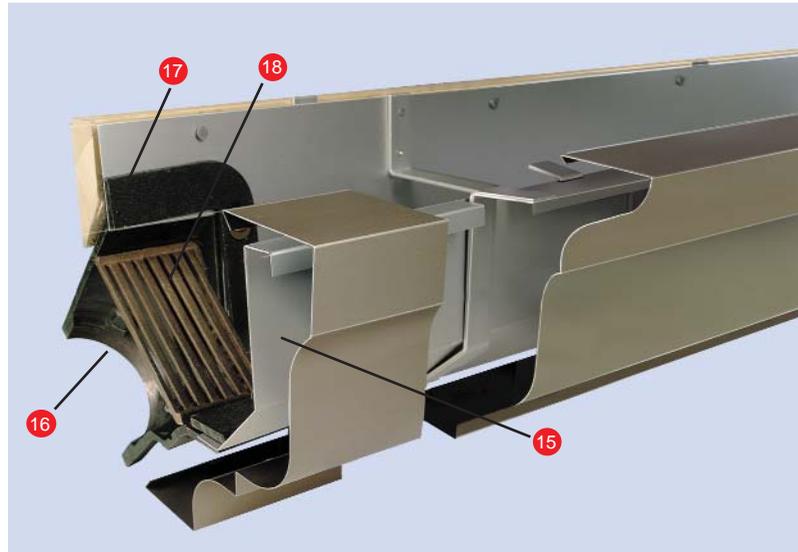
The Industrial Series are available with exposed downspouts. Drains for the Industrial Series are special order items and are only available for gutters 8" or larger and with a maximum metal thickness of 0.050"

**CONCEALED DRAINS** provide an attractive and efficient alternative to downspouts. Concealed drainage is particularly effective on clock & bell towers, steeples and high profile projects where downspouts would be unattractive or projects where vandalism is an issue.

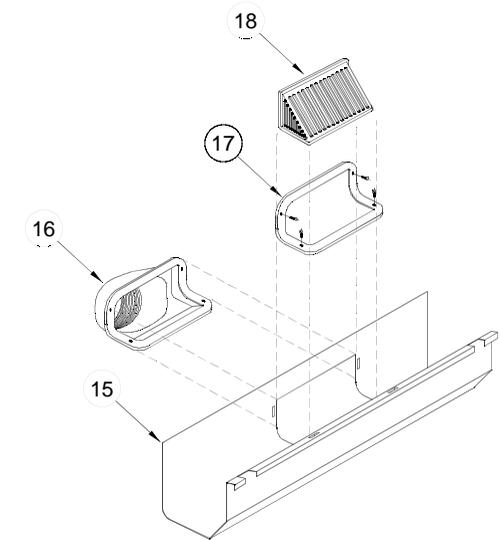
The Designer Series uses heavy cast drains with threaded outlets. These drains are mounted into a specially formed receiver designed to accommodate the drain's shape and fasteners. Drains are available in 2", 3" & 4" sizes with 45 & 90 degree outlets.



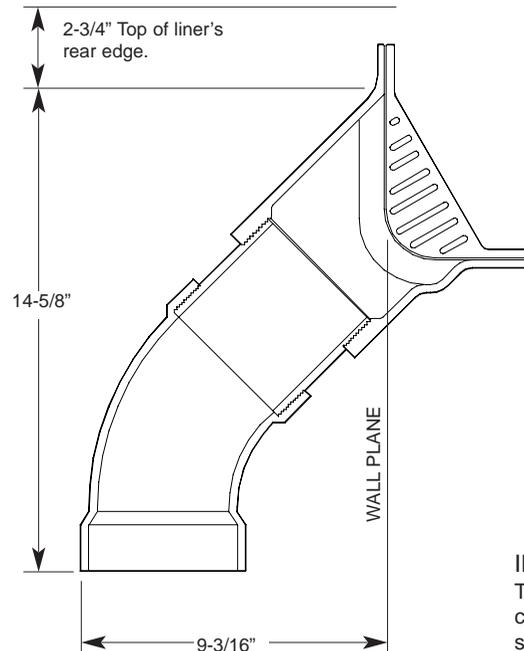
**BRASS NOZZLES** provide an attractive termination for internal piping on the building's exterior when not connecting to an underground drain system.



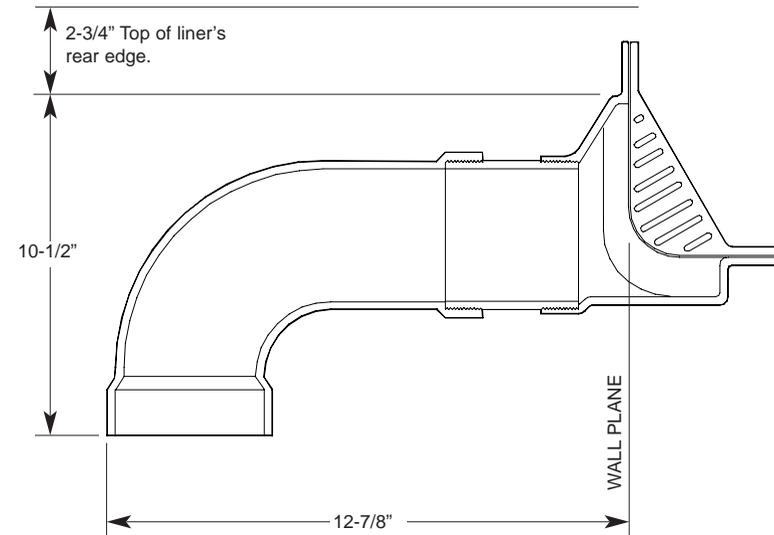
- 15 ALUMINUM DRAIN RECEIVER
- 16 CAST DRAIN WITH THREADED OUTLET
- 17 FLASHING CLAMP
- 18 REMOVABLE LEAF GRATE



EXPLODED VIEW DRAIN ASSEMBLY



DRAIN CLEARANCE DIMENSIONS



SECTIONAL VIEW

#### INSTALLATION NOTES

The drain base should be sealed with bituminous mastic at the wall surface penetration, as a precaution should the gutters overflow. Sizes of pipe fittings vary by manufacturer and dimensions shown are a suggested minimum. These details are presented for reference only. SAF-Perimeter Systems Division does not manufacture or supply drainage pipe or their fittings.

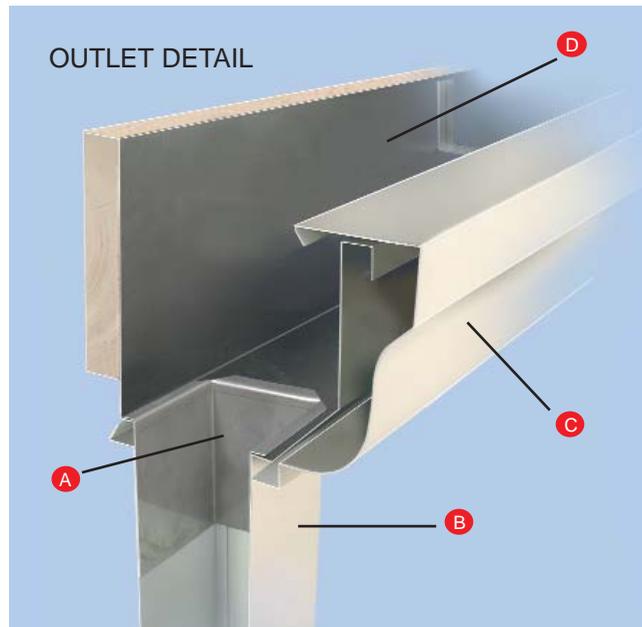
## COMMERCIAL GUTTER SYSTEMS

### DRAIN-WARE Downspouts & Accessories

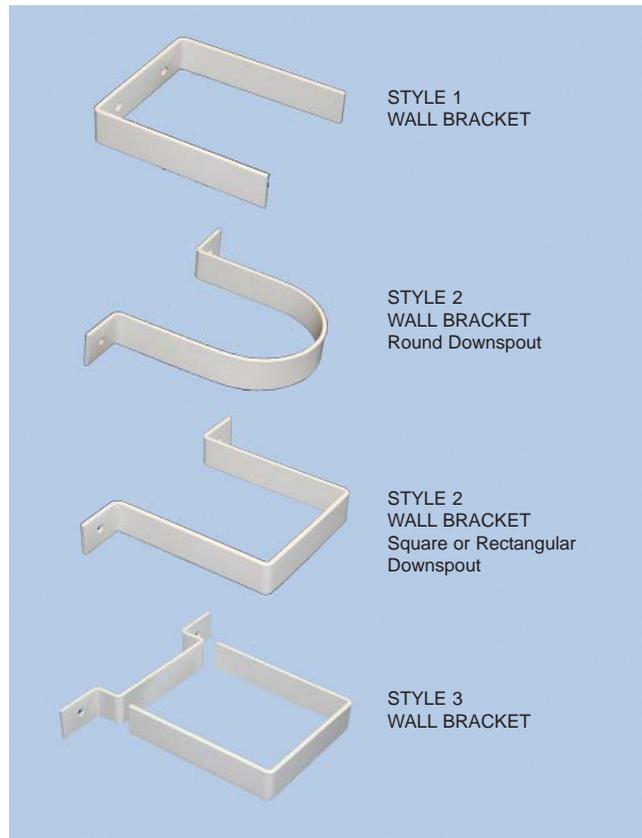
**DOWNSPOUTS** are available in four configurations; Square, Rectangular, Open Face, and Round. These downspouts are available in both aluminum and copper in a variety of thickness.

Accessories include...

- Aluminum Outlet Tubes (starter tubes)
- Wall Brackets (3 styles)
- Welded Elbows (a variety of styles)
- Downspout Bumper Guards
- Inline Sculptured Collector Heads
- Free-Standing Sculptured Collector Heads



- A Aluminum Outlet**  
Field cut liner to accept outlet. Outlet is flanged and is field drilled and riveted to the liner. Edges of outlet are sealed with high grade sealant. See table on page 89 for proper downspout & outlet selection.
- B Downspout**  
Downspout fully extends to the bottom surface of the liner and is riveted to the outlet to prevent slipping. Downspouts are held 1" from wall surfaces by their mounting brackets to prevent the sound of running water.
- C Fascia**  
Fascia is installed after downspout installation. Fascia is field cut or sawn to allow downspout to pass through it and extend to the liner bottom.
- D Liner**  
Determine outlet location and cut liner to receive outlet.



#### DOWNSPOUT WALL BRACKETS

Downspout wall brackets are furnished in 3 styles. Unless otherwise specified, Style 1 is the default bracket furnished.

Wall brackets are manufactured from 1" x .125" aluminum and factory punched for wall anchors / fasteners. Downspouts are attached to brackets with aluminum pop rivets.

#### DOWNSPOUT BUMPER GUARDS

Bumper guards are manufactured from heavy .125" thick aluminum and are available for all downspouts we manufacture. Bumper guards for round downspouts are formed square as shown.

Bumper guards are 48" tall and sized 1/2" larger in width and 1/4" larger in depth than their corresponding downspouts. Four decorative fastening flanges (factory welded) with 3/4" holes allow the use of most types wall anchors.



## FORMED DOWNSPOUT

Please refer to our gutter sizing tables on pages 88 & 89 to properly select both gutter and downspout size.

Material selection for downspouts is more dependent on its physical environment than climactic conditions. The Designer should consider using heavy gauge aluminum (0.063") if the downspout is subject to abuse or vandalism. If no special consideration is necessary then you should select the default metal thickness.

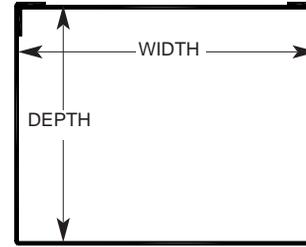
Ornamental formed round downspout is manufactured of light 0.032" aluminum. As such, the Designer should consider using alternate downspout types if the downspout is subject to abuse or vandalism.

In addition, we offer heavy duty bumper guards to protect downspouts in traffic areas such as a loading dock.

### SIZE & METAL OPTIONS

Depth x Width	Metal Options
3" x 4"	<b>0.040" Aluminum</b>
<b>4" x 4"</b>	0.050" Aluminum
4" x 5"	0.063" Aluminum
4" x 6"	0.090" Aluminum
5" x 5"	16 Oz. Copper
5" x 6"	
6" x 6"	

Default selections are in **BOLD**



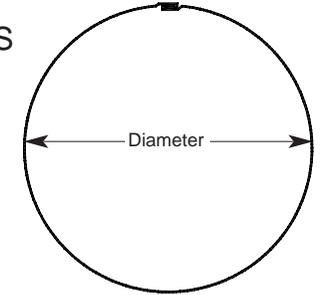
Formed downspouts receive a factory mounted back plate riveted in place. Downspouts are not designed to be waterproof as to allow water seepage and expansion during freezing weather.

Should you need a waterproof downspout specify that the back plate is to be sealed by the installer or specify a round or extruded downspout.

### SIZE & METAL THICKNESS

Diameter	Metal Thickness
3"	0.032"
4"	0.032"
5"	0.032"
6"	N/A

Elbows are 0.025"



Ornamental round downspouts are joined to one another by using pipe crimps and sliding the sections together. We recommend a 1" lap joint.

Elbow fittings for this product are rolled formed from light 0.025" aluminum and are available in either 75 or 90 degree angles.

## EXTRUDED DOWNSPOUT

Please refer to our gutter sizing tables on pages 88 & 89 to properly select both gutter and downspout size.

Material thickness selection for extruded downspouts is a matter of its size and the die requirements of the extruder. Sizes shown are fixed and cannot be altered.

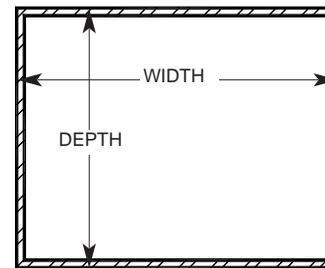
The Designer should consider using extruded downspouts for projects subject to abuse, vandalism, or where waterproof downspouts are required.

**Downspouts are not designed for internal building installation.**

### SIZE & METAL THICKNESS

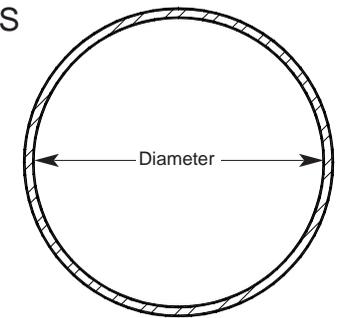
Depth x Width	Metal Thickness
3" x 4"	0.125" Aluminum
4" x 4"	0.125" Aluminum
4" x 5"	Not Available
4" x 6"	0.187" Aluminum
5" x 5"	0.125" Aluminum
5" x 6"	Not Available
6" x 6"	0.125" Aluminum

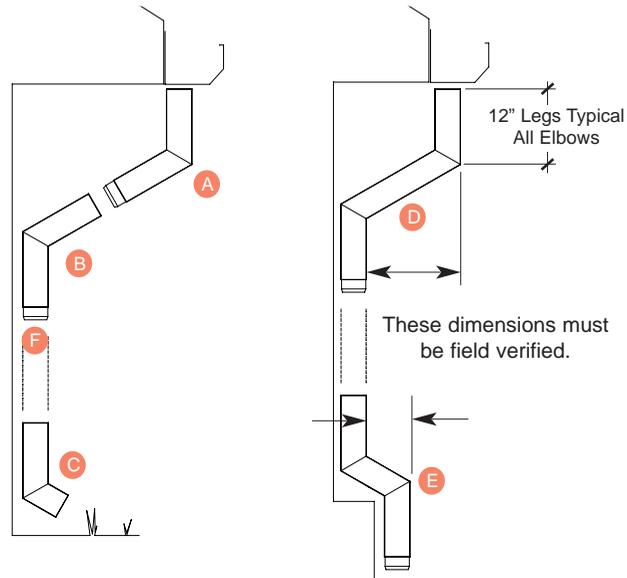
Default selections are in **BOLD**



### SIZE & METAL THICKNESS

Diameter	Metal Thickness
3"	0.120"
4"	0.120"
5"	0.134"
6"	0.134"



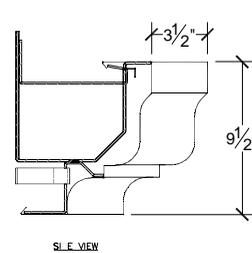
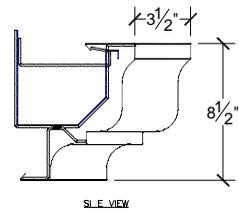
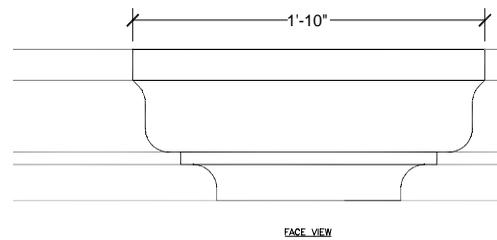
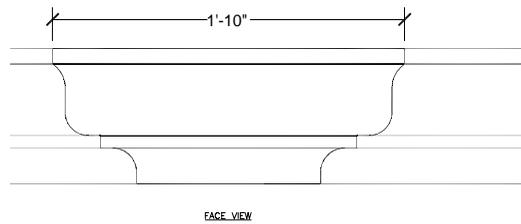


- A** Return Elbow: 30 degree (shown) or 45 degree.
- B** Standard Elbow: 30 degree (shown) or 45 degree.
- C** Kick-out (Ground or Roof) Elbow 30 degree (shown) or 45 degree.
- D** Eave Elbow (1 piece): 30 degree (shown) or 45 degree.
- E** Offset / Water-table Elbow (1 piece): 30 degree (shown) or 45 degree.
- F** Sleeves furnished for elbow & downspout connections.

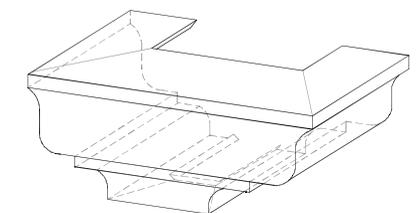
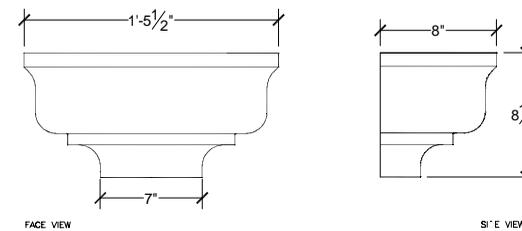
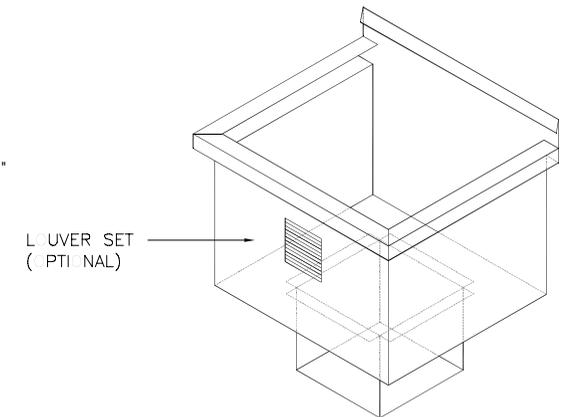
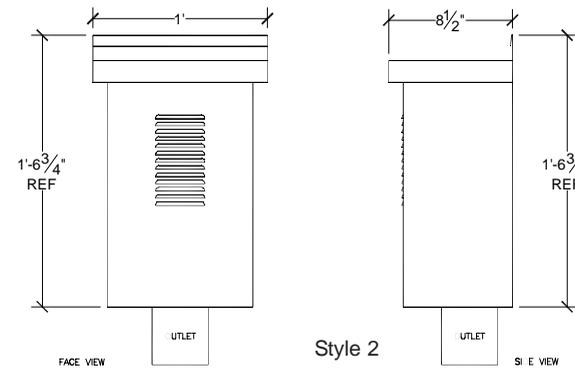
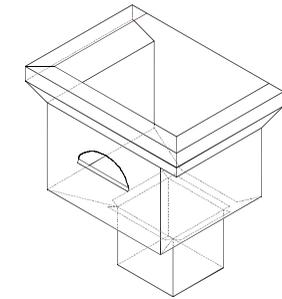
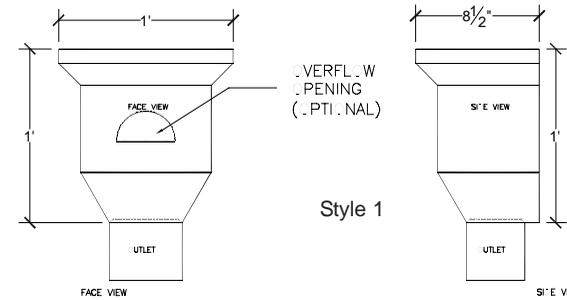
DOWNSPOUT ELBOW TYPES

FAUX INLINE CONDUCTORS

Designer Series Roman Profile



FREE STANDING CONDUCTOR HEADS



Style 3

## GUTTER SIZING & TABLES

Sizing of our commercial gutter products is based on the theoretical amount of water draining from your roof during severe weather. Using our maps and tables, sizing is a simple 4 step process.

STEP 1. Find your project's potential rainfall from the rainfall map (immediate right). Rainfall data is for 15 minute durations which represents the most intense historical rainfalls. While this historical data represents a worst case scenario it does not guarantee future conditions. As such, **Always design for an overflow condition.**

STEP 2. Determine the maximum distance from the eave to ridge (we call this the run length). If there are several adjoining roof areas use the largest measurement. The run length examples on this page show how to calculate your run length.

STEP 3. Based on your roof's pitch, select the appropriate "GPM" table (tables 1,2, or 3, next page). Cross match the rainfall intensity (step 1) and the run length (step 2) and locate the "GPM" estimate for your roof. This is the amount of rainfall that theoretically will drain from from your roof into a 40 linear foot section of gutter.

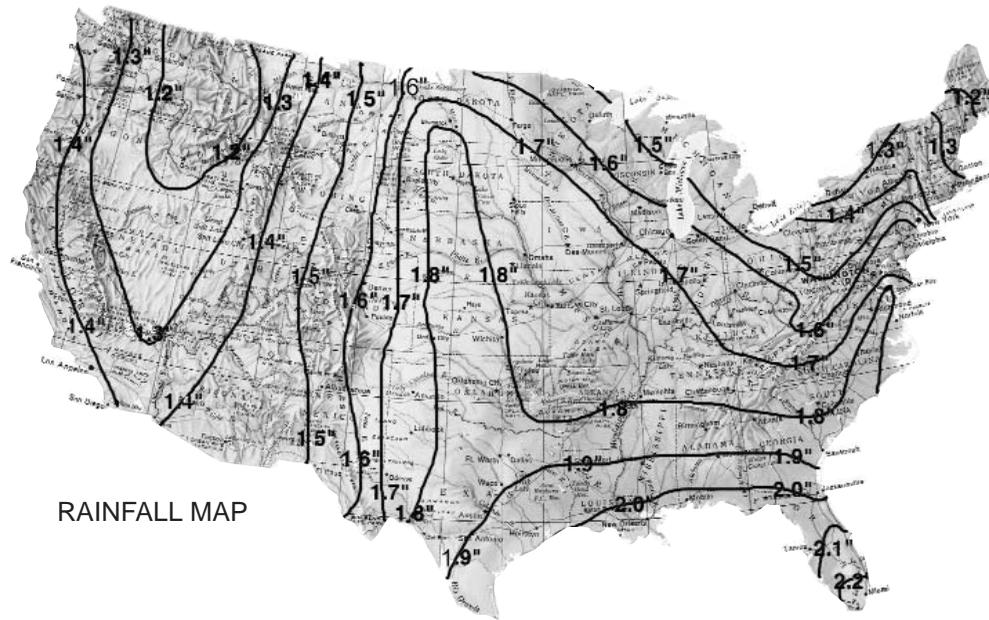
STEP 4. The Gutter / Downspout Capacity Table on the next page shows different size gutters, different size downspouts, and their corresponding GPM value.

For a sizing example assume a slope roof with a 4/12 pitch in Raleigh, NC and the distance from the gutter to the ridge is 70 linear feet. From the rainfall map Raleigh's potential rainfall is 1.8". You would select table 2 since its' values are for roof pitches 1"-6" in 12". The GPM estimate for this example is 245. Using the Gutter / Downspout table you could select a 5x5" downspout with an 8" gutter, or a 4x6" downspout with a 9" gutter.

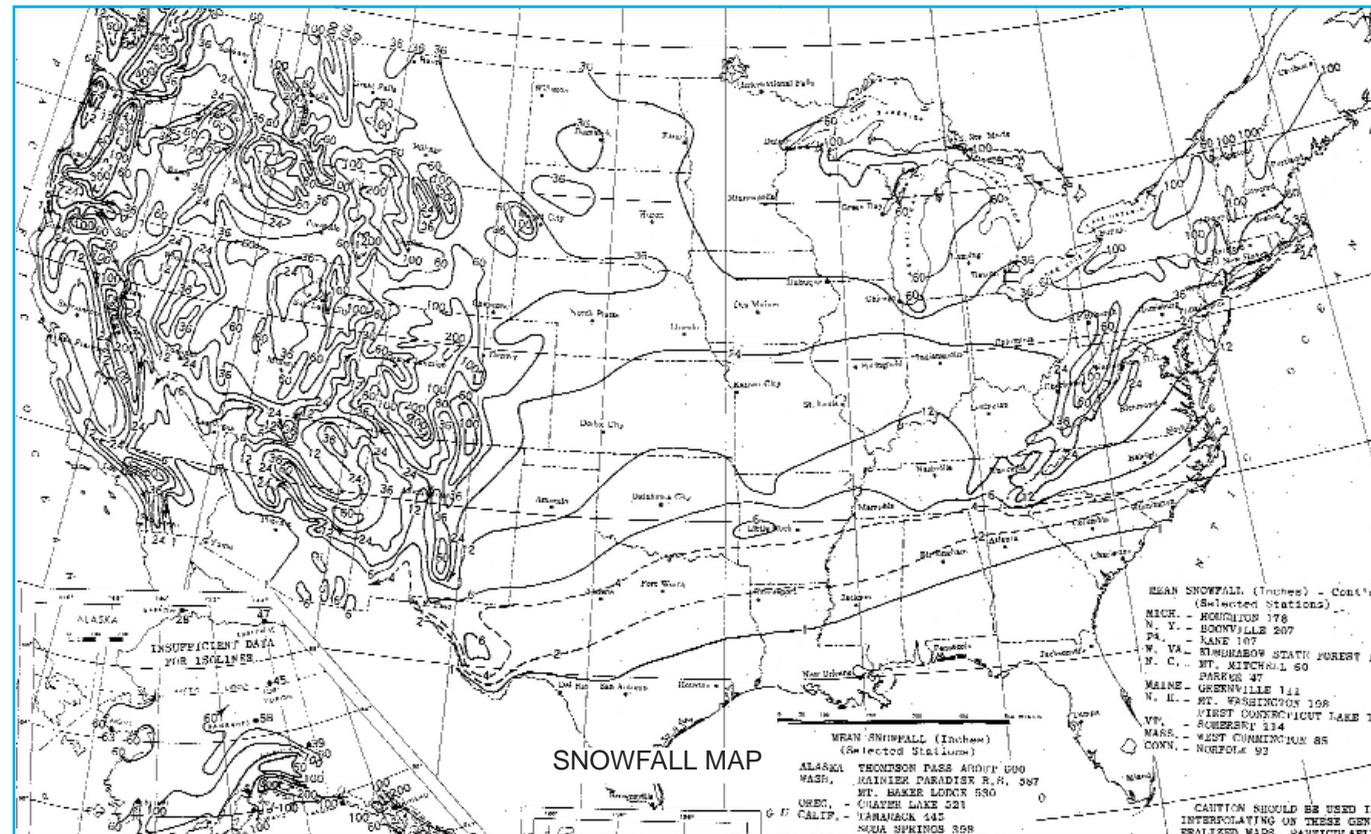
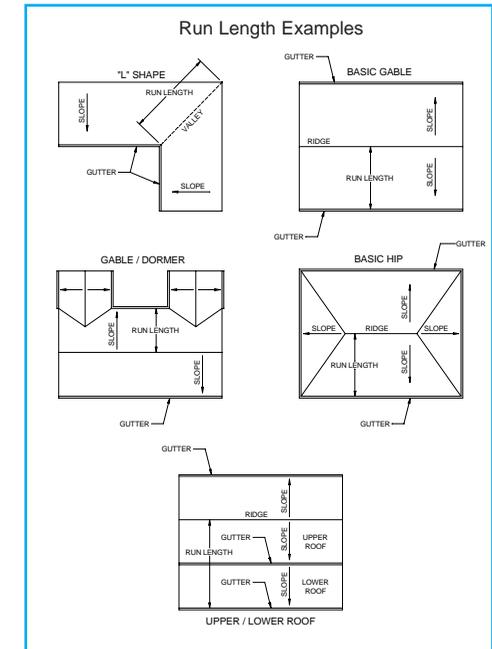
The GPM tables are based on downspout spacing at 40' intervals. You can space your downspout closer, interpolate, and reduce gutter and downspout sizes. In the above example if we spaced our downspouts at 30' centers that would be a 25% reduction of the GPM's or approximately 185 GPM. You could now use a 6" gutter with a 4x6" downspout.

## SNOW & ICE CONDITIONS

Even an occasional snow can damage a gutter. The weight of snow, particularly when it has partially melted and refrozen as ice, can easily reach 90lbs. per linear foot of gutter. Increased metal thickness helps support this repetitive loading. The annual snowfall map at the right and the snowfall table on page 89 will guide you in selecting our recommended metal thickness for your project's location.



RAINFALL MAP



SNOWFALL MAP

MEAN SNOWFALL (Inches) (Selected Stations)

ALASKA	THOMPSON PASS 400
ALASKA	MT. BAKER 300
WASH.	MAINER PARADISE R.R. 387
WASH.	MT. BAKER 300
OREG.	CHATEL LAKE 321
CALIF.	YANAMACK 145
CALIF.	SODA SPRINGS 398

MEAN SNOWFALL (Inches) - Cont'd (Selected Stations)

MICH.	HONOLAND 78
N. Y.	BOONVILLE 207
PA.	KANE 107
VA.	SLIMSHAW STATE FOREST 1
N. C.	MT. MITCHELL 50
	PARKER 47
MAINE	GREENVILLE 111
N. H.	MT. WASHINGTON 108
VT.	WEST CONSTRUCTION LAKE 1
VY.	SCHERST 114
MARR.	WEST CUMMINGS 85
CONN.	NORFOLK 93

CAUTION SHOULD BE USED IN INTERPOLATING ON THESE GENERALIZED MAPS. PARTICULARLY

Gutter / Downspout Capacity Table

Downspout Size	Gutter Size			
	6"	8"	9"	12"
3x4	95	110	115	150
4x4	125	145	150	160
4x5	160	190	195	210
4x6	205	240	245	265
5x5	*	260	265	290
5x6	*	320	325	355
6x6	*	410	420	455
3" Round	55	65	65	90
4" Round	95	110	115	150
5" Round	*	190	195	250

**GPM Capacity**  
\* Indicates that downspout will not fit this gutter size

Please note that certain size or types of downspouts are limited by the gutter's profile. Please review your selection with the Gutter & Outlet Table for capability.

Gutter & Outlet Table

	Designer Series		Industrial Series			
	R6	R8	R6	R8	R9	R12
3" RD	●	●	●	●	●	●
4" RD	●	●	●	●	●	●
5" RD	● *	●		●	●	●
6" RD		● *			●	●
3"x4"	●	●	●	●	●	●
4"x4"	●	●	●	●	●	●
4"x5"	●	●	●	●	●	●
4"x6"	●	●	●	●	●	●
5"x5"	● *	●		●	●	●
5"x6"	● *	●		●	●	●
6"x6"		●			●	●

Blank = No Fit      \* = Special Welded Outlet

	Historical Snowfall In Inches						
	1"	2"	4"	6"	12"	24"	36">
6" Gutter*	0.040	0.040	0.040	0.040	0.050	0.050	0.063
8" Gutter*	0.040	0.040	0.050	0.050	0.050	0.063	0.063
9" Gutter	0.040	0.040	0.050	0.050	0.063	0.080	0.080
12" Gutter	0.050	0.050	0.063	0.063	0.063	0.080	0.090

Recommended Aluminum Thickness

\* 6" & 8" Liners for our Designer Series are equivalent to these respective sizes.

RUN LENGTH	Table 1 Roof Pitch < 1" in 12"										
	← HISTORICAL RAINFALL →										
	1.2"	1.3"	1.4"	1.5"	1.6"	1.7"	1.8"	1.9"	2.0"	2.1"	2.2"
20	50	60	70	80	90	100	110	120	130	140	150
40	65	75	85	95	105	115	125	135	145	155	170
60	90	100	110	125	135	150	160	175	190	205	220
80	110	125	140	155	170	185	205	220	240	255	280
100	135	150	170	185	205	225	245	270	290	310	340
120	160	180	200	225	245	270	295	320	345	370	400
140	185	210	235	260	290	315	340	370	405	430	470
160	215	240	270	300	330	360	395	425	460	495	540
180	245	275	310	340	375	410	450	485	525	565	615
200	275	310	345	385	425	465	505	550	590	635	690
220	305	345	385	430	470	515	565	610	660	710	775
240	340	380	425	475	520	570	625	675	730	785	855
260	375	420	470	520	575	630	685	745	805	865	945
280	410	460	515	570	630	690	750	815	880	945	1030
300	445	500	560	620	685	750	815	885	955	1030	1125
320	480	545	610	675	740	810	885	960	1035	1115	1220
340	520	585	655	725	800	875	955	1035	1120	1205	1315
360	560	630	705	780	860	945	1025	1115	1205	1295	1415
380	600	675	755	835	920	1010	1100	1195	1290	1385	1515
400	640	720	810	895	985	1080	1175	1275	1375	1480	1620

GALLONS PER MINUTE

RUN LENGTH	Table 2 Roof Pitch 1"-6" in 12"										
	← HISTORICAL RAINFALL →										
	1.2"	1.3"	1.4"	1.5"	1.6"	1.7"	1.8"	1.9"	2.0"	2.1"	2.2"
20	65	75	85	95	100	110	120	130	135	140	150
40	85	90	100	105	110	120	125	135	140	150	165
60	125	135	145	155	165	175	185	200	210	220	240
80	165	180	190	205	220	230	245	260	275	290	315
100	205	220	240	255	270	290	305	325	340	360	390
120	245	265	285	305	325	345	365	385	405	430	470
140	285	305	330	355	380	400	425	450	475	495	540
160	325	350	380	405	430	460	485	510	540	665	615
180	365	395	425	455	485	515	545	575	605	635	690
200	405	435	470	505	540	570	605	640	670	705	765

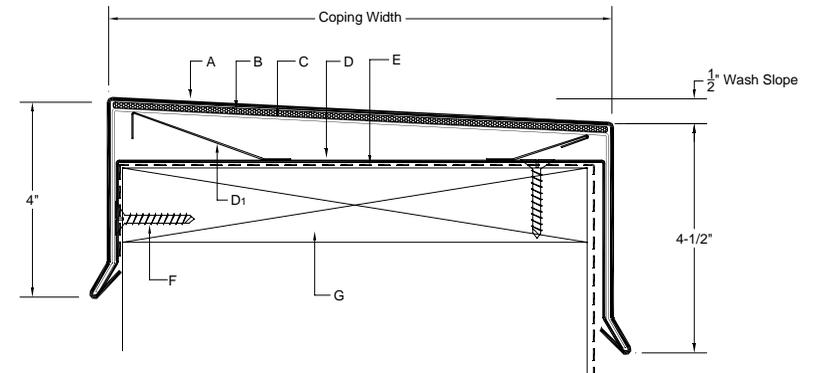
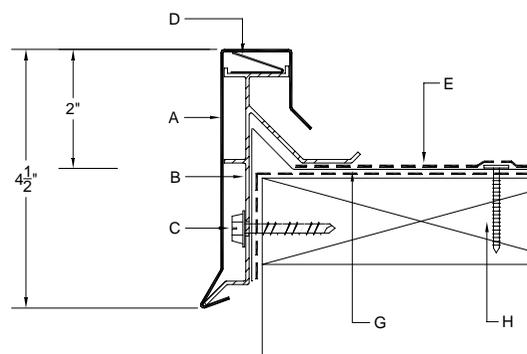
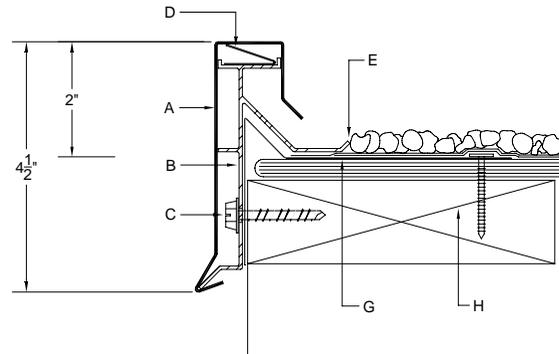
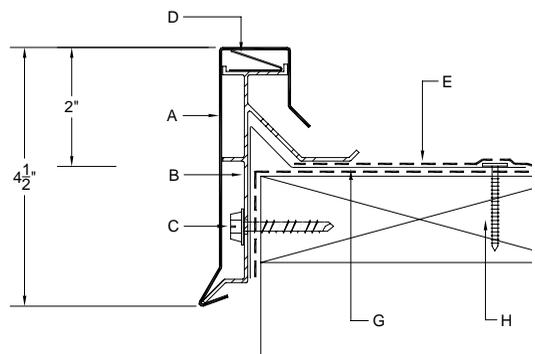
GALLONS PER MINUTE

RUN LENGTH	Table 3 Roof Pitch 6"-12" in 12"										
	← HISTORICAL RAINFALL →										
	1.2"	1.3"	1.4"	1.5"	1.6"	1.7"	1.8"	1.9"	2.0"	2.1"	2.2"
20	80	85	95	100	105	115	125	135	140	145	155
40	110	115	125	135	140	150	160	170	180	190	205
60	155	170	180	195	205	220	230	245	260	270	295
80	200	220	235	255	270	285	305	320	335	355	385
100	250	270	290	315	335	355	375	395	420	440	475
120	300	325	350	375	400	420	445	470	500	520	570
140	345	375	405	435	460	490	520	550	575	605	660
160	395	425	460	490	525	560	590	625	655	690	750
180	440	480	515	550	590	625	665	700	735	775	840
200	490	530	570	610	655	695	700	775	815	855	930

GALLONS PER MINUTE

# Perimeter Systems **SAF**

*Innovative Aluminum Architecture*



# Parapet Copings, Gravel Stops & Trims



## SECTION CONTENTS

- 92 *Press-Loc Snap-on Coping*
- 93 *Press-Loc Snap-on Gravel Stop*
- 94 *Universal Edge Trims*
- 95 *2 Piece Drip Edge*

## Press-Loc Coping

Since its introduction in 1980 Press-Loc Coping has been installed throughout the United States. During these twenty five years, we are proud to state that we have never had a reported failure for any reason - from the product's finish, to its holding power under extreme wind conditions. Press-Loc Coping provides an unblemished record of durability.

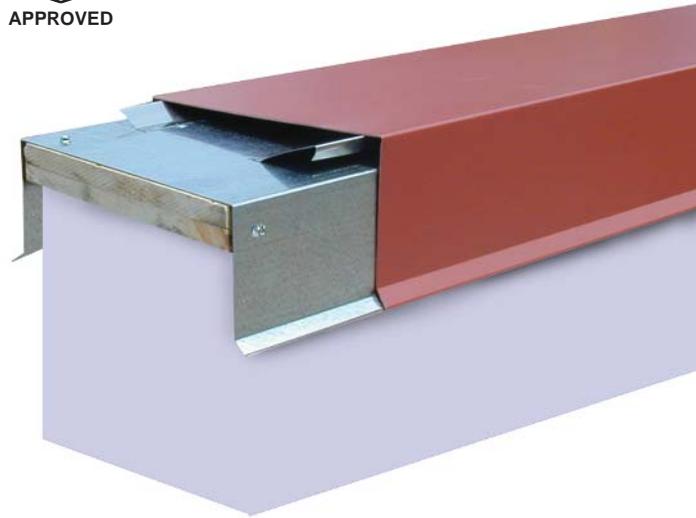
Press-Loc Coping has been popular with both architects and contractors. Its concealed compression cleats eliminate exposed fasteners and makes installation fast and easy. Manufactured from aluminum, Press-Loc is available in a variety of finishes and 56 EZ-Mix colors.

### Available Aluminum Thickness

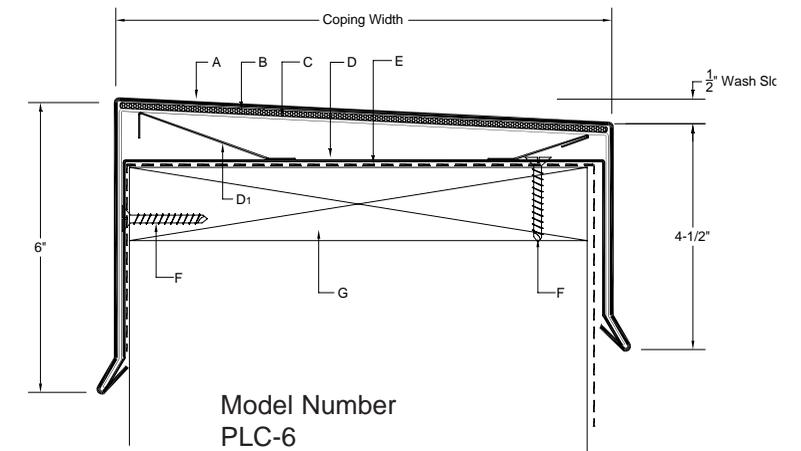
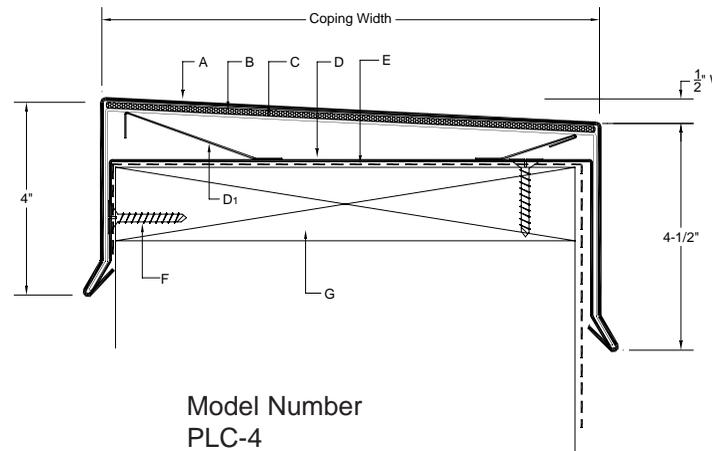
0.040"  
0.050"  
0.063"  
0.080"  
0.090"  
0.125"

See drawings at right for letter designations.

- A** Snap-on decorative aluminum coping, 10' lengths. Joint treatment consists of a 3/8" expansion reveal, 6' wide concealed gutter splice plate and gaskets.
- B** Gasket strips, field applied to full width and both sides of concealed gutter splice plate.
- C** Concealed gutter splice plate, 0.050" aluminum. When installed with gaskets, splice plate diverts water to roof side.
- D** Compression Cleats, 16 ga. galvanized steel.
- D1** Stainless steel spring clips factory welded to compression cleats.
- E** Elastomeric roof membrane extends over parapet and face fastened - see membrane manufacturer's specifications.
- F** #12 x 1-1/2" stainless wood screw.
- G** Continuous wood plate and roof parapet.



Coping Width	Cleat Spacing - Factory Mutual Approval								
	Wind Velocity Ratings								
	1-60	1-75	1-90	1-105	1-120	1-135	1-150	1-65	1-180
6"	2	2	2	2	2	2	2	2	2
7"	2	2	2	2	2	2	2	2	3
8"	2	2	2	2	2	2	2	3	3
9"	2	2	2	2	2	3	3	3	3
10"	2	2	2	2	2	3	3	3	3
11"	2	2	2	2	3	3	3	4	4
12"	2	2	2	3	3	3	3	4	4
13"	2	2	2	3	3	3	4	4	4
14"	2	2	3	3	3	4	4	4	5
15"	2	2	3	3	3	4	4	5	5
16"	2	2	3	3	4	4	4	5	5
17"	2	3	3	3	4	4	5	5	N/A
18"	2	3	3	4	4	5	5	5	N/A
19"	2	3	3	4	4	5	5	N/A	N/A
20"	2	3	3	4	4	5	5	N/A	N/A
21"	3	3	4	4	5	5	N/A	N/A	N/A
22"	3	3	4	4	5	5	N/A	N/A	N/A
23"	3	3	4	5	5	N/A	N/A	N/A	N/A
24"	3	3	4	5	5	N/A	N/A	N/A	N/A



**THE MOST UNIVERSAL SNAP-ON GRAVEL STOP AVAILABLE...**

Press-Loc is designed to accommodate the rigid performance criteria of today's advance roofing systems. It doesn't matter if your roof membrane is E.P.D.M., Thermoplastic, Modified Bitumen, or a Built-up Roof, Press-Loc fits them all.

**PRESS-LOC ACCOMMODATES ANY MEMBRANE BY ENCAPSULATION...**

Press-Loc allows you to install your metal edging to be flashed in accordance with your membrane manufacturer's specifications. The Secure Bar profile fully encapsulates your membrane ensuring a watertight and leakproof edge. And, if you're using a raised tapered roof edge and minimal leakage is not a problem, simply omit your metal edging... it's your choice.

**EASY INSTALLATION...**

Press-Loc's unique and simple design makes installation fast and economical, while giving you a leak-proof gravel stop edge that is extremely resistant to wind uplift. Simply fasten Press-Loc's secure bar to your roof's edge (screws provided), place tension clips at 24", and snap on Press-Loc's fascia... *its that simple.*

Manufactured from aluminum, Press-Loc is available in a variety of finishes and 56 EZ-Mix colors.

**Available Aluminum Fascia Thickness**

0.040" 0.050"

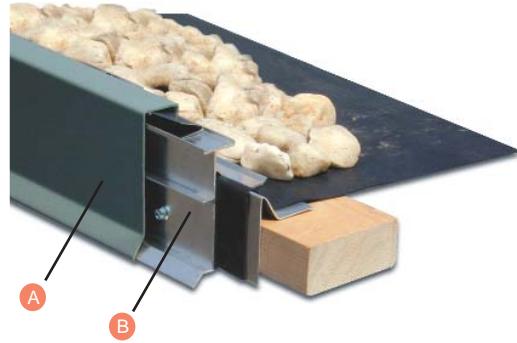
0.063" 0.080" & 0.090"

See drawings at right for letter designations.

- A** Snap-on decorative aluminum fascia, 10' lengths. Joint treatment consists of a 3/8" expansion reveal and a 6" wide concealed splice plate.
- B** Extruded aluminum secure bar, 10' lengths.
- C** #12 x 1-1/2" wood screws @ 12" centers.
- D** Stainless steel tension clips @ 24" centers.
- E** Elastomeric roof membrane is firmly compressed between the secure bar and metal edging.
- E1** Thermoplastic flashing adhered to membrane manufacturer's coated metal.
- E2** Embed aggregate up to edge of secure bar.
- G** Metal edging by installer.
- G1** Coated metal edging by installer.



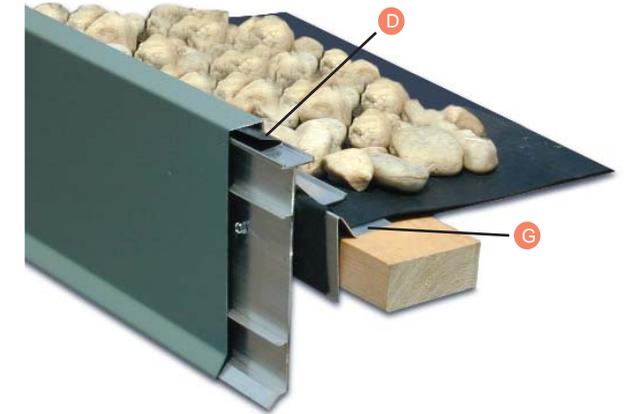
4.5" Fascia Model Number PLGS-4.5



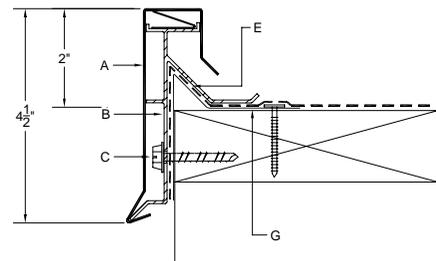
6" Fascia Model Number PLGS-6.0



8" Fascia Model Number PLGS-8.0



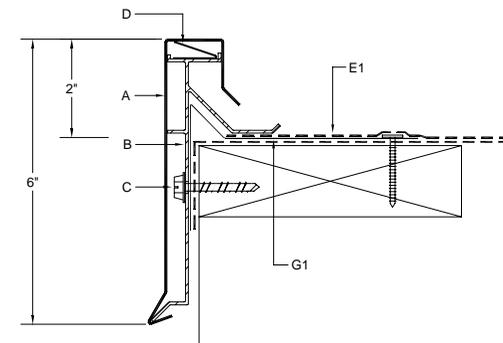
**UNIVERSAL APPLICATIONS**



**E.P.D.M. Roofs**

Install simple metal edging (by installer) to provide a raised edge for run-off protection. Following membrane manufacturer's specifications apply roof membrane up and over simple metal edging.

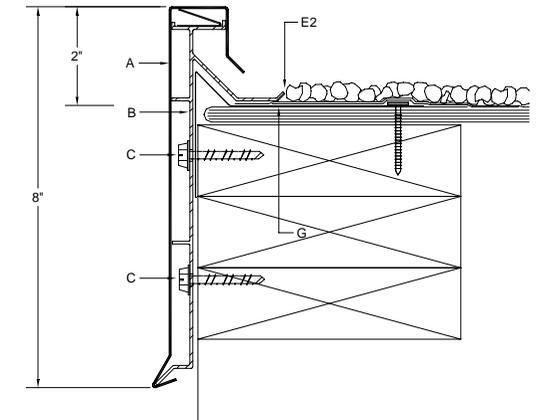
Install secure bar with screws (provided). Place tension clips onto secure bar's top seating area and snap fascia into position. Insert fascia splice plate at joints.



**Thermoplastic Roofs**

Following membrane manufacturer's specifications apply roof membrane over roof edge. Install simple metal edging (by installer) to provide a raised edge for run-off protection. Apply flashing membrane to metal edging.

Install secure bar with screws (provided). Place tension clips onto secure bar's top seating area and snap fascia into position. Insert fascia splice plate at joints.



**Built-up Roofs**

Following membrane manufacturer's specifications apply roof membrane with envelope strips to prevent bitumen drippage. Install simple metal edging (by installer) to provide a raised edge for run-off protection. Apply flashing strips to metal edging.

Install secure bar with screws (provided). Place tension clips onto secure bar's top seating area and snap fascia into position. Insert fascia splice plate at joints. If applicable, apply flood coat and aggregate.

## Universal Edge Trims

### WE OFFER...

Many types of edge trims as shown on this and the following page to flash gutters or rake edges. Not only may these edge trims be used for gutters they are also commonly used with our cornice products.

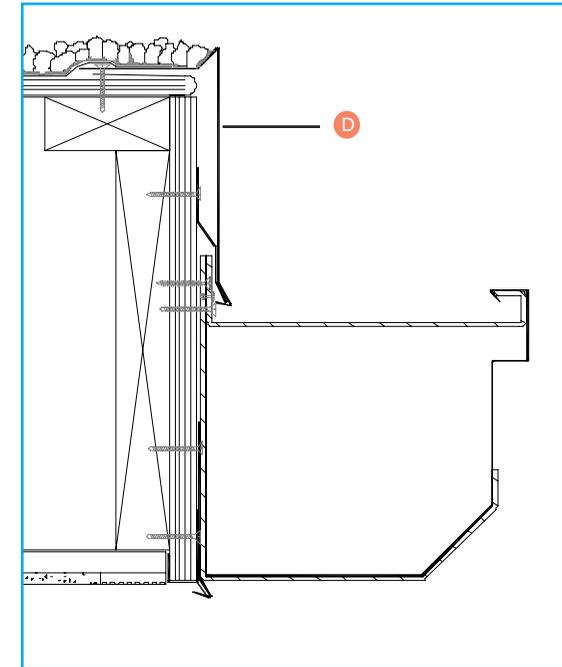
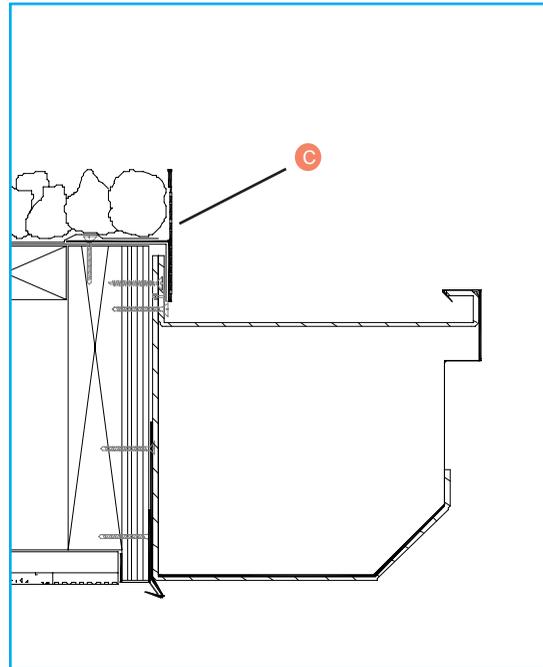
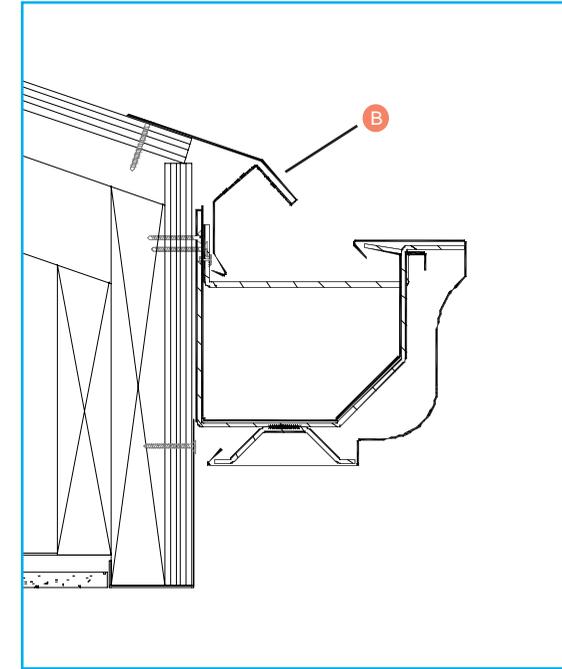
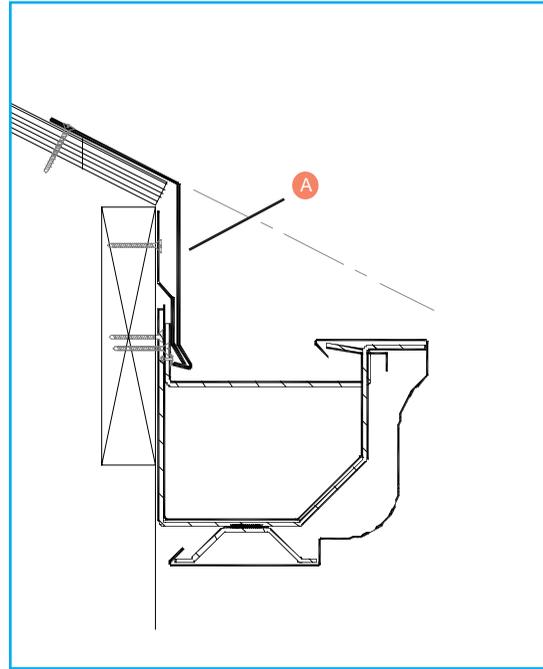
Manufactured from aluminum, our edge trims are available in a variety of finishes and 56 EZ-Mix colors.

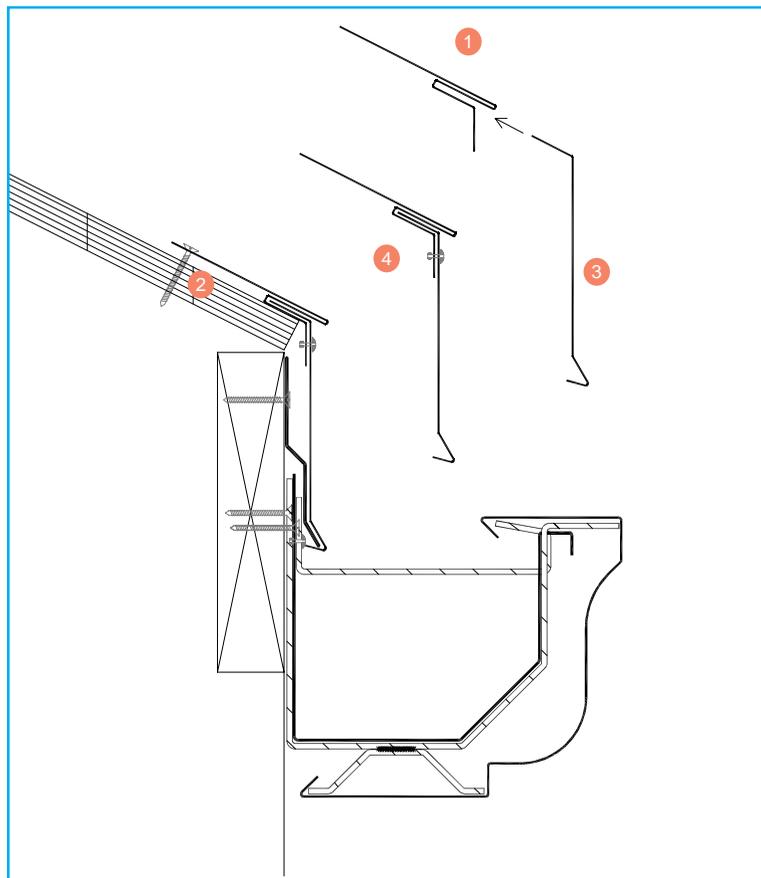
### Available Aluminum Thickness

0.040" 0.050"

0.063" 0.080" & 0.090"

- A Convention Gutter Flashing; commonly referred to as "*drip edge, eave trim & gutter apron*" for either a steep slope or flat roofs (roof deck flange is bent at a 90 degree angle). Manufactured with a 4" deck flange and pre-punched with elongated fastening holes for thermal movement. Joint detail is a 6" concealed splice plate with a 3/8" expansion reveal.
- B Vented Roof Edge; This vented trim flashing is designed to allow ventilation of steep slope roof systems. Roofs are vented to stabilize the temperature below the roof system with the ambient temperature. Such venting helps prevent snow & ice slides common in northern latitudes and is believed to extend a composition roof's life expectancy by cooling the roof. Roof venting also conserves energy cost. Joint detail is a 4" lap joint, 0.063" is the maximum thickness offered for this product.
- C Flow-thru Gravel Stop; The "*Original*" flow-thru gravel stop was introduced in the late seventies to drain ballasted elastomeric "single ply" roof systems. Flow-Thru is manufactured with a 3-1/2" deck flange and is factory notched for a 4" lap joint. It's perforated face offers a 50% open area for drainage while retaining the roof's ballast. 0.063" is the maximum thickness offered for this product.
- D Convention Gravel Stop (our profile GS-1); also commonly referred to as "*drip edge, eave trim & gutter apron*" for flat or low slope roofs. Manufactured with a 4" deck flange and pre-punched with elongated fastening holes for thermal movement. Joint detail is a 6" concealed splice plate with a 3/8" expansion reveals.





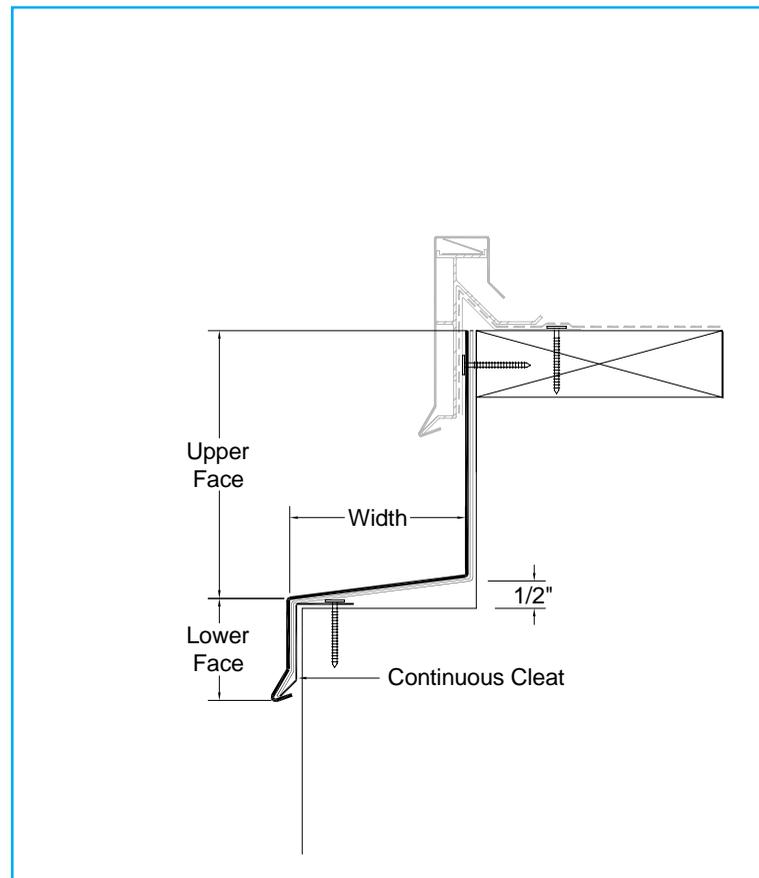
## Two Piece Drip Edge

It is very common during building construction that the roof must be installed prior to gutter installation. This is a problem with conventional drip edges as they do not allow the gutter to be fastened correctly.

We've developed a 2 piece drip edge to solve this problem. It consists of a deck flange receiver (1) that is fastened to the deck (2). After the roof is installed the fascia (3) is inserted into the deck flange (4 shown removed for clarity) and riveted in place. In cold climates an ice and water shield must be used with this product. Cleat shown is recommended for faces exceeding 4".

Manufactured with a 4" deck flange and pre-punched with elongated fastening holes for thermal movement. Joint detail is a 4" lap joint sealed with an appropriate caulk.

Maximum metal thickness is 0.040" aluminum.

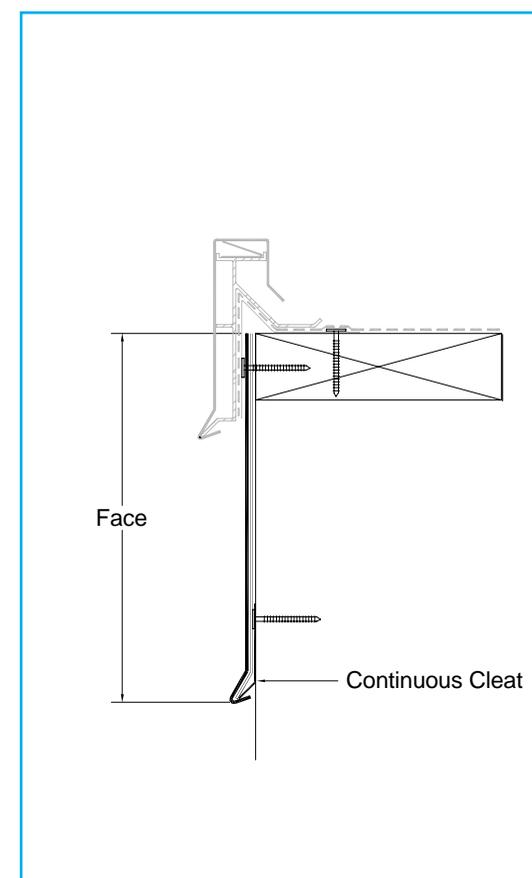


## Brickledge

Also called *ledge cap*, *apron*, and *sill flashing*, this trim is used to cover a brick rowlock, metal panels, and similar building details. It is also used as a shelf for horizontal cornices at a building's gable.

Manufactured with pre-punched elongated fastening holes for thermal movement. Joint detail is a 6" concealed splice plate with a 3/8" expansion reveal.

See page 94 for available metal thickness.



## Extender

As its name implies, the trim is used to extend down a fascia. It is commonly used with gravel stops and copings where large faces are required. It is also used in cornices.

Manufactured with pre-punched elongated fastening holes for thermal movement. Joint detail is a 6" concealed splice plate with a 3/8" expansion reveal.

See page 94 for available metal thickness.

#### COLOR MANAGEMENT

Specifying a product with a color to match another building component, such as a standing seam roof, can be both frustrating and difficult. Perimeter Systems is an expert at matching other building components. Any color stucco, metal roofing panel, or glazing element can be matched in our laboratory, usually for a low or no additional cost.

In addition to our color matching capabilities, we offer 56 EZ Mix colors. These colors represent our high performance multicoat thermo-cured 70% Kynar 500® or Hylar 5000® Polyvinylidene Fluoride (PVDF) Fluoropon coatings. Color samples are not the actual paint. They are matched as closely to paint color and gloss as reproduction technology allows. Kynar 500® is a registered trademark of Arkema Inc. Hylar 5000® is a registered trademark of Solvay Solexis.

Of course, if you require a color produced by one of the major paint manufacturers of fluoropolymer coatings its no problem -- Southern Aluminum Finishing Company, Inc. is an approved applicator for PPG, Valspar, Morton (BASF), and Akzo coatings. These manufacturers are the leading producers of Kynar® and Hylar 5000® which are the fluoropolymer paint coatings that we apply.

#### FINISHES AVAILABLE

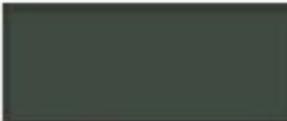
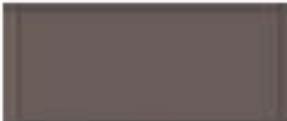
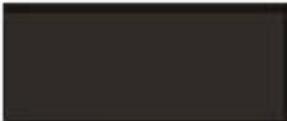
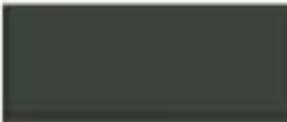
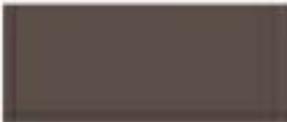
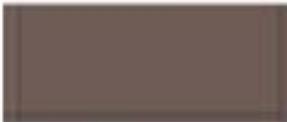
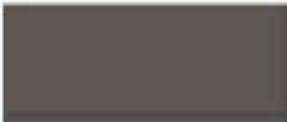
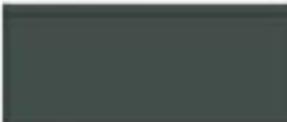
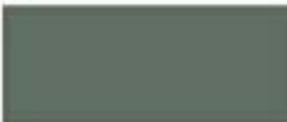
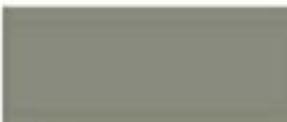
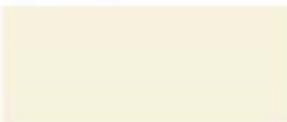
*Kynar® 500 & Hylar® 5000 High  
Performance Paint Coatings in 56 EZ Mix Colors*

*Kynar® 500 & Hylar® 5000 High  
Performance Paint Coatings in colors by all  
major paint manufacturers*

*Custom Match Kynar® 500 & Hylar® 5000  
High Performance Paint Coatings*

*Metallic & Exotic Colors*

*Anodizing - Clear & 2 Step Color Anodized*

RED TONES	BLUE TONES	GREEN TONES	BROWN TONES	BRONZE TONES	GRAY BLACK TONES	WHITE TONES
 Rose	 Regal	 Hartford	 Classic Brown	 Dark Bronze	 Black	 Bone White
 Terra Cotta	 Royal	 Edwardian	 Cocoa	 Classic Bronze	 Charcoal	 Ascot
 Hazel	 Wedge	 Forest	 Mocha	 Rocky	 Quaker	 Regal
 Sorrel	 Military	 Jungle	 Sahara	 Patrician Bronze	 Yorktown	 Polar
 Brick	 Legacy	 Sea Green	 Taupe	 Granger	 Stone	 Marble
 Colonial Red (Premium Prong)	 Capri	 Olive	 Burnt Almond	 Brown Bronze	 Green Gray	 Pearl
 Rust	 Harbor	 Patina	 Pueblo	 Amber	 Portland	 Bon Jour
 Brandy	 Aqua	 Spring Hill	 Sandstone	 Roman Bronze	 Cement	 Birch

56 EZ MIX COLORS

Perimeter  
Systems

*Innovative Aluminum Architecture*

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A division of 

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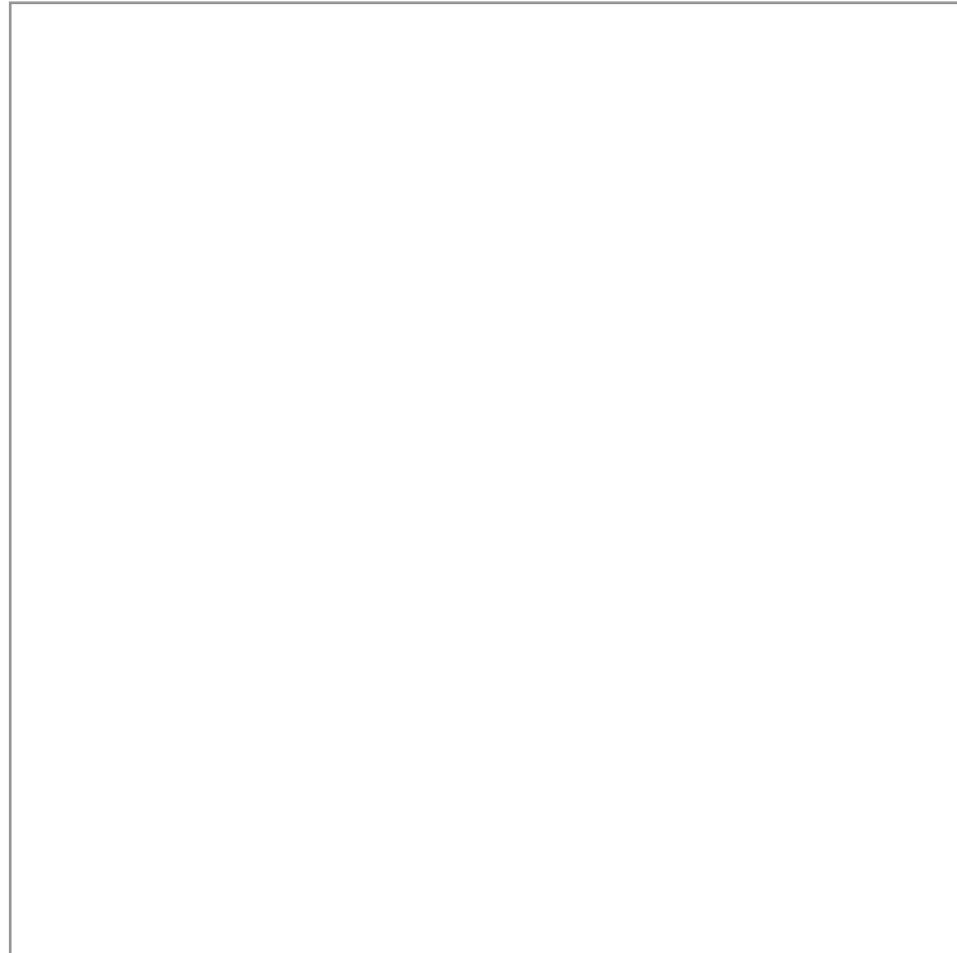
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# Perimeter Systems

*Innovative Aluminum Architecture*

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