MULTI-RIB
R-PANEL

MULTI-RIB

R-PANEL

McELROY METAL
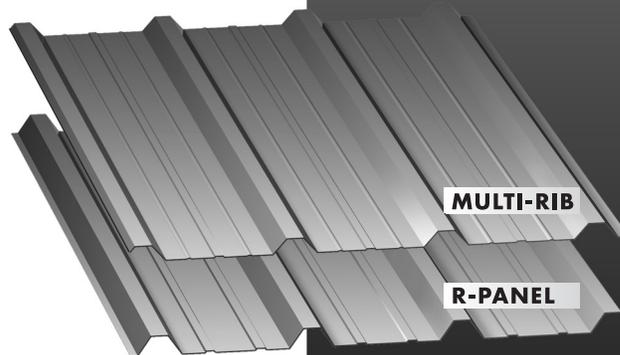
GENERAL NOTES

The details shown on the following pages are suggestions or guidelines for installing the Multi-Rib and R-Panel wall and roof panel system. The installation details shown here are proven methods of construction, but they are not intended to cover all building requirements, designs or codes. The details may require changes or revisions due to individual project conditions.

Installation procedures shall be in accordance with the manufacturer's printed instructions, details or approved shop drawings. Installers should thoroughly familiarized themselves with all instructions prior to beginning the installation process.

The designer/installer is responsible to ensure the following:

That the details here meet the particular building requirements.

That adequate water tightness is maintained.

That a proper uniform substructure is used to avoid panel distortion and that the substructure meets necessary code requirements.

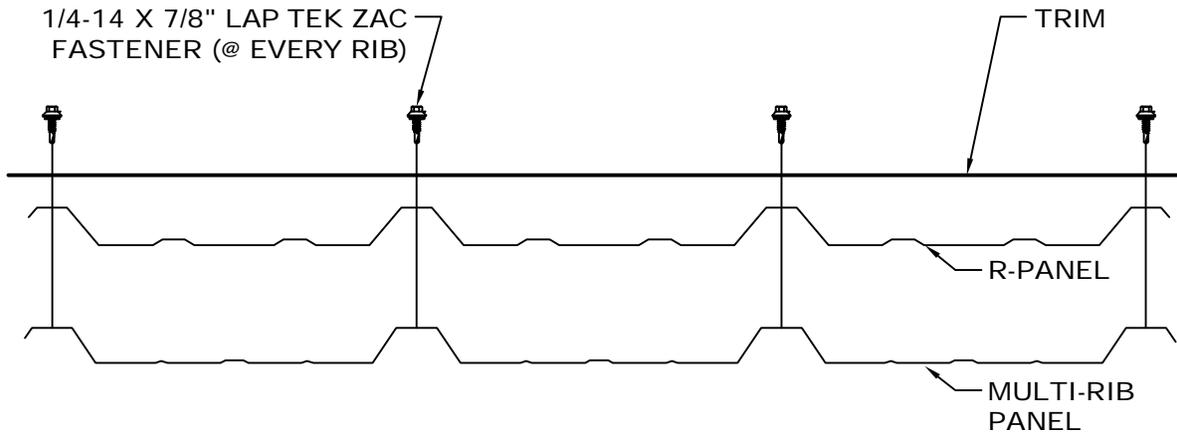That all supporting members have been examined and are straight, level and plumb.

McElroy Metal can provide all flashings and accessories shown in the installation drawings unless noted otherwise. Panels, flashing and trim shall be installed true and in proper alignment with any exposed fasteners equally spaced for the best appearance. Sealant shall be field applied on a clean, dry surface.

Some field cutting and fitting of panels and flashings is to be expected and to be considered a part of normal installation work. Workmanship shall be of the best industry standards and with installation performed by experienced metal craftsmen.
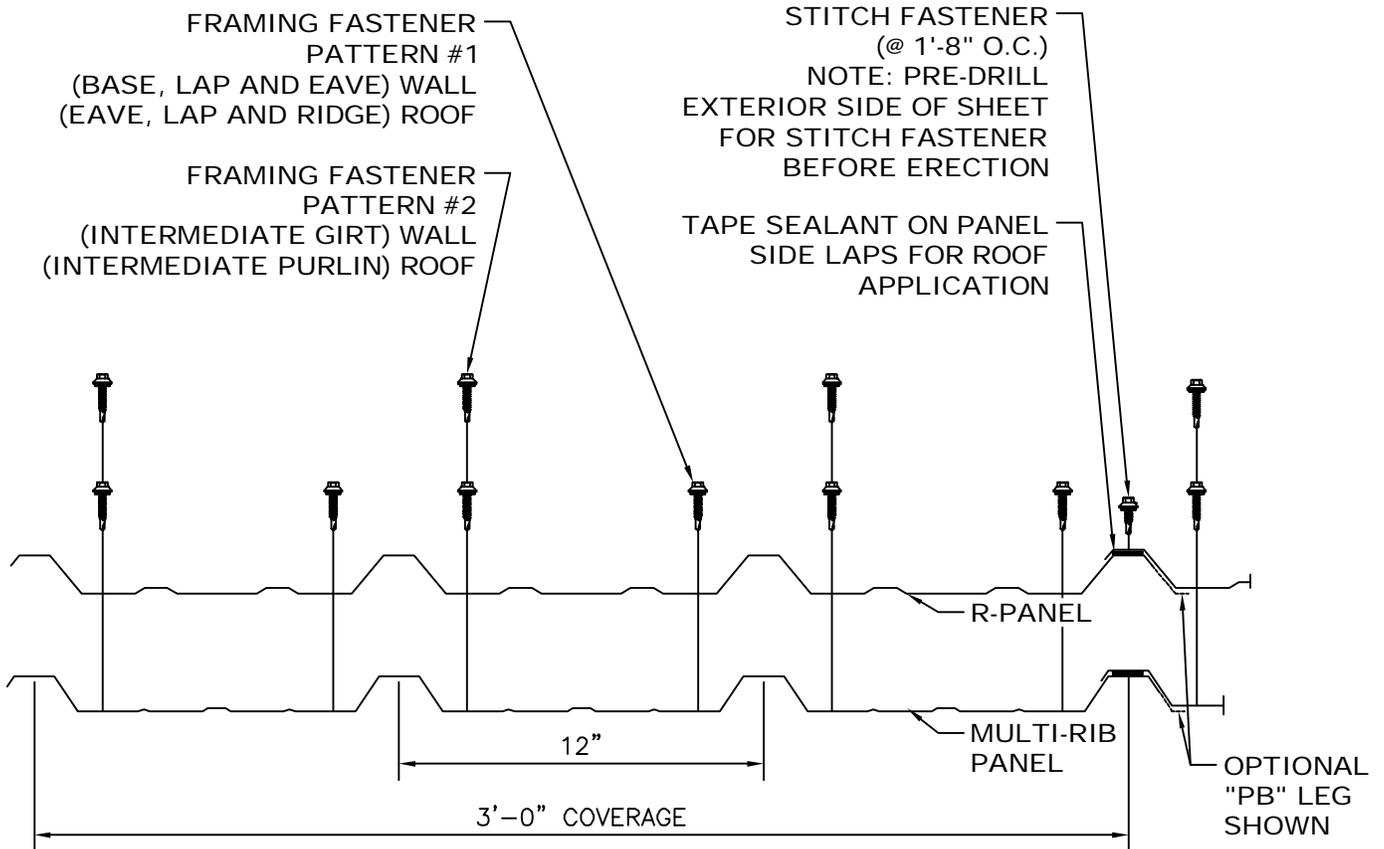
Oil canning of metal panels is inherent in the product and is not a cause for rejection.

Contents of this manual are subject to change without notice. To confirm this book is the most current copy, please visit McElroy Metal's website at www.mcelroymetal.com.

MULTI-RIB / R-PANEL FASTENER PATTERNS

1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ EVERY RIB)

TRIM

R-PANEL

MULTI-RIB PANEL

TRIM FASTENER PATTERN

FRAMING FASTENER PATTERN #1 (BASE, LAP AND EAVE) WALL (EAVE, LAP AND RIDGE) ROOF

FRAMING FASTENER PATTERN #2 (INTERMEDIATE GIRT) WALL (INTERMEDIATE PURLIN) ROOF

STITCH FASTENER (@ 1'-8" O.C.) NOTE: PRE-DRILL EXTERIOR SIDE OF SHEET FOR STITCH FASTENER BEFORE ERECTION

TAPE SEALANT ON PANEL SIDE LAPS FOR ROOF APPLICATION

R-PANEL

MULTI-RIB PANEL

OPTIONAL "PB" LEG SHOWN

12"

3'-0" COVERAGE

PANEL FRAMING AND STITCH FASTENER PATTERNS

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MULTI-RIB / R-PANEL
SIMPLE BASE DETAIL

MULTI-RIB / R-PANEL
WALL PANEL

INSIDE CLOSURE
(RECOMMENDED)

BASE STRUCTURAL
MEMBER

WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

FINISHED FLOOR
(NOT BY MCELROY)

1/8"

1 1/2"

SIMPLE BASE
TRIM

2 3/4"

3/4"

1 3/4"
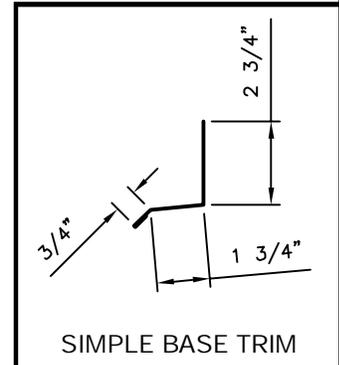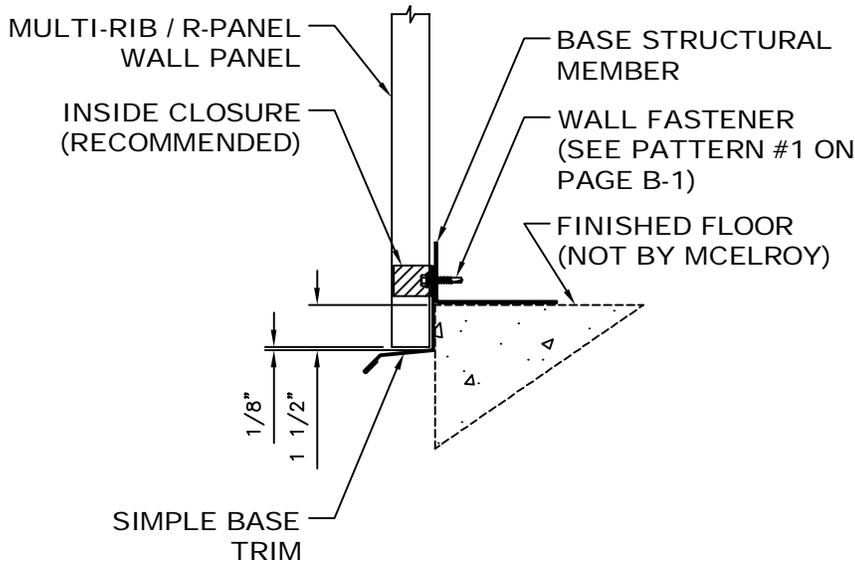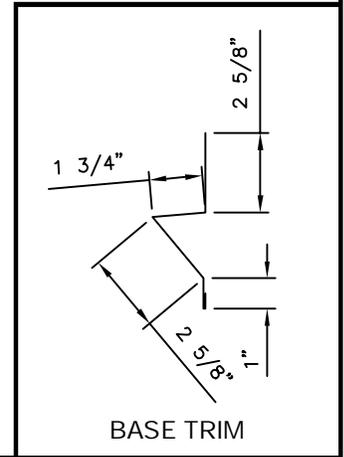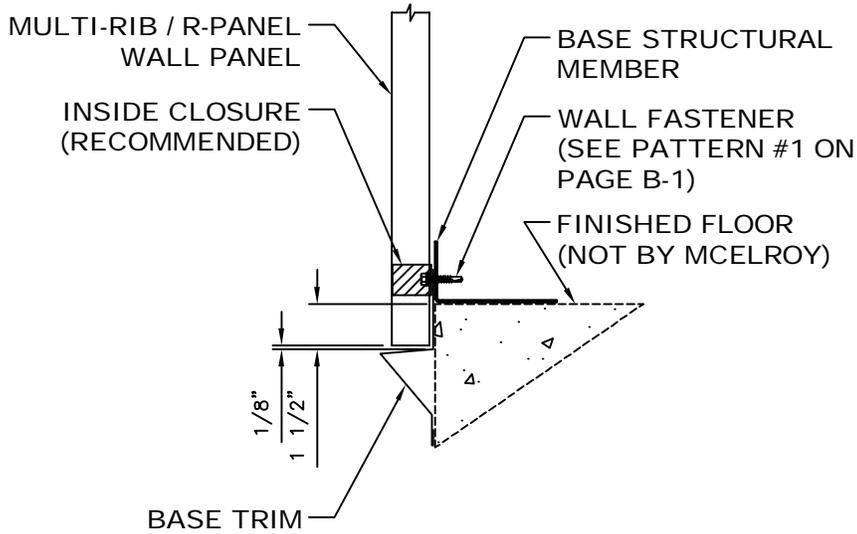
SIMPLE BASE TRIM

NOTES: 1. Base Structural Member set flush with edge of Finished Floor.
2. Set Simple Base Trim 1 1/2" down face of finished floor.
3. Set Closure in position on Simple Base Trim.
4. Set Multi-Rib / R-Panel Wall Panel into place. Make sure to leave a 1/8" gap between trim and panel.
5. Attach panel with Framing Fasteners per Fastening Pattern #1 shown on page B-1.

WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

SIMPLE BASE
TRIM

MULTI-RIB / R-PANEL
WALL PANEL

BASE STRUCTURAL
MEMBER

INSIDE CLOSURE
(RECOMMENDED)

FINISHED FLOOR
(NOT BY MCELROY)

1 1/2"

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

MCELROY METAL

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MULTI-RIB / R-PANEL

BASE DETAIL

MULTI-RIB / R-PANEL
WALL PANEL

INSIDE CLOSURE
(RECOMMENDED)

BASE STRUCTURAL
MEMBER

WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

FINISHED FLOOR
(NOT BY MCELROY)

1/8"

1 1/2"

BASE TRIM

2 5/8"

1 3/4"

2 5/8"

1"
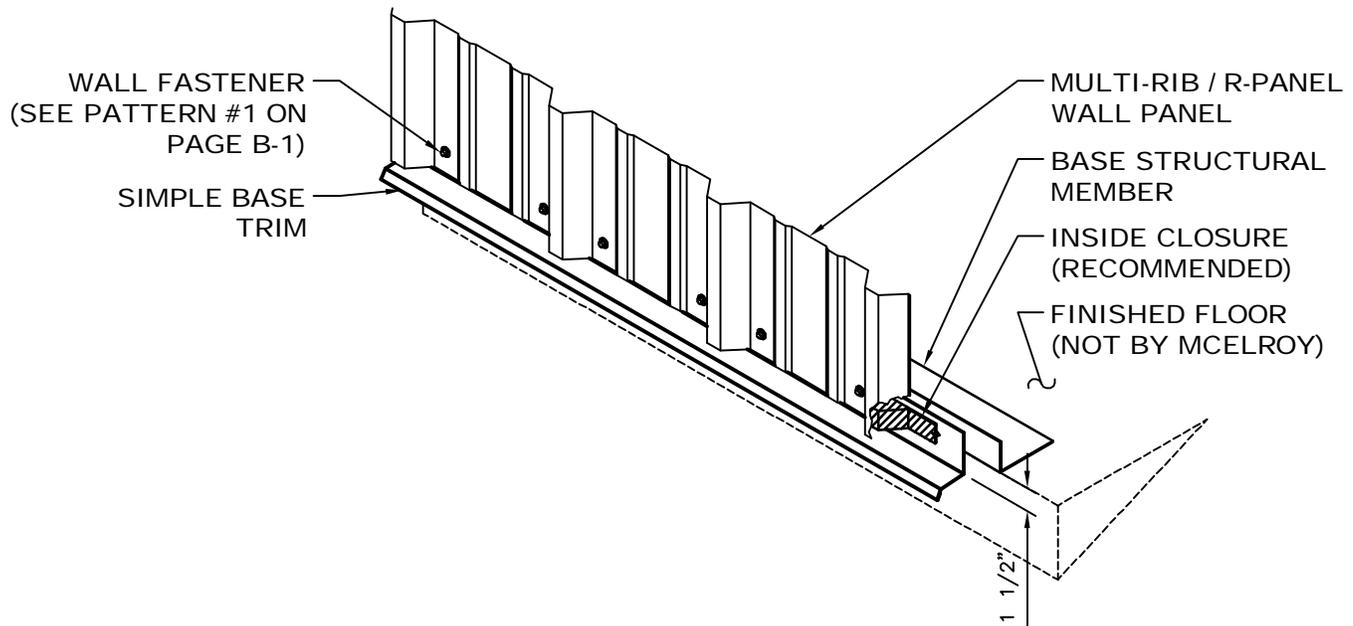
BASE TRIM
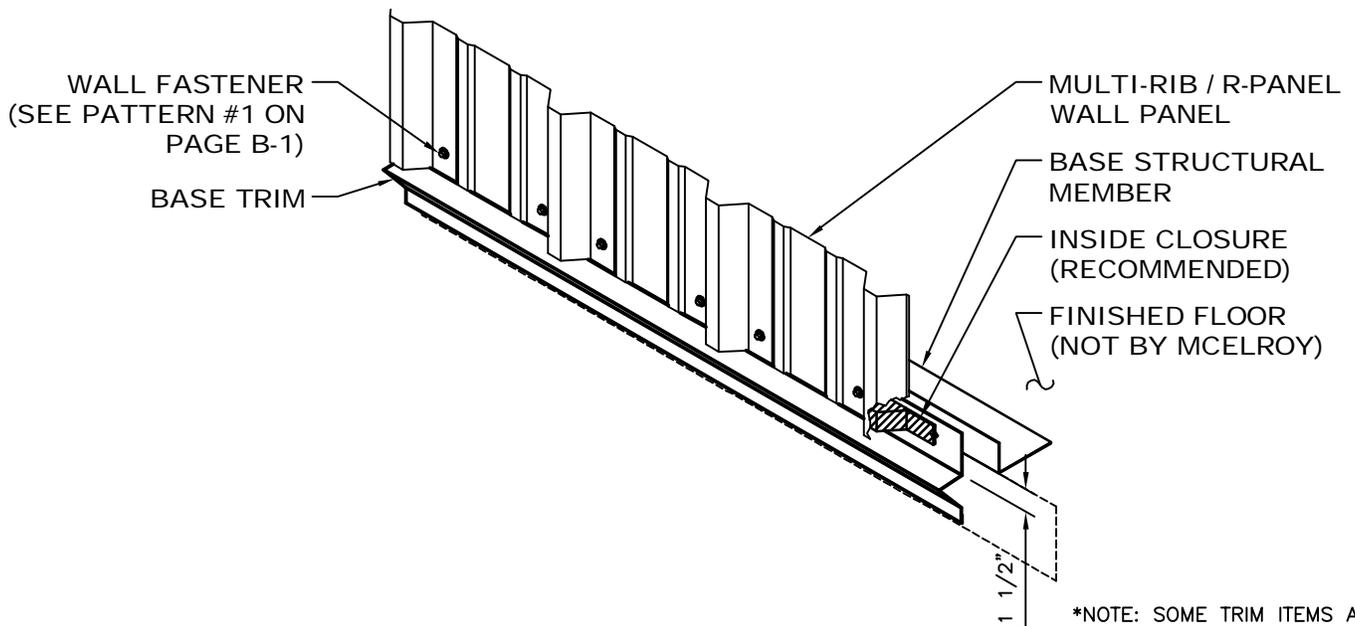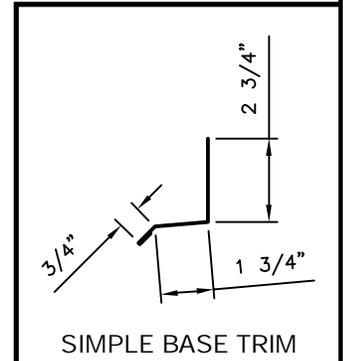
NOTES: 1. Base Structural Member set flush with edge of Finished Floor.
2. Set Base Trim 1 1/2" down face of finished floor.
3. Set Closure in position on Base Trim.
4. Set Multi-Rib / R-Panel Wall Panel into place. Make sure to leave a 1/8" gap between trim and panel.
5. Attach panel with Framing Fasteners per Fastening Pattern #1 shown on page B-1.

WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

BASE TRIM

MULTI-RIB / R-PANEL
WALL PANEL

BASE STRUCTURAL
MEMBER

INSIDE CLOSURE
(RECOMMENDED)

FINISHED FLOOR
(NOT BY MCELROY)

1 1/2"

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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MULTI-RIB / R-PANEL   SIMPLE BASE DETAIL

MULTI-RIB / R-PANEL
WALL PANEL

INSIDE CLOSURE
(RECOMMENDED)

BASE STRUCTURAL
MEMBER

WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

FINISHED FLOOR
(NOT BY MCELROY)

1/8"

1 1/2"
(MIN.)

SIMPLE BASE
TRIM

1 1/2"
CONCRETE NOTCH

2 3/4"

3/4"

1 3/4"
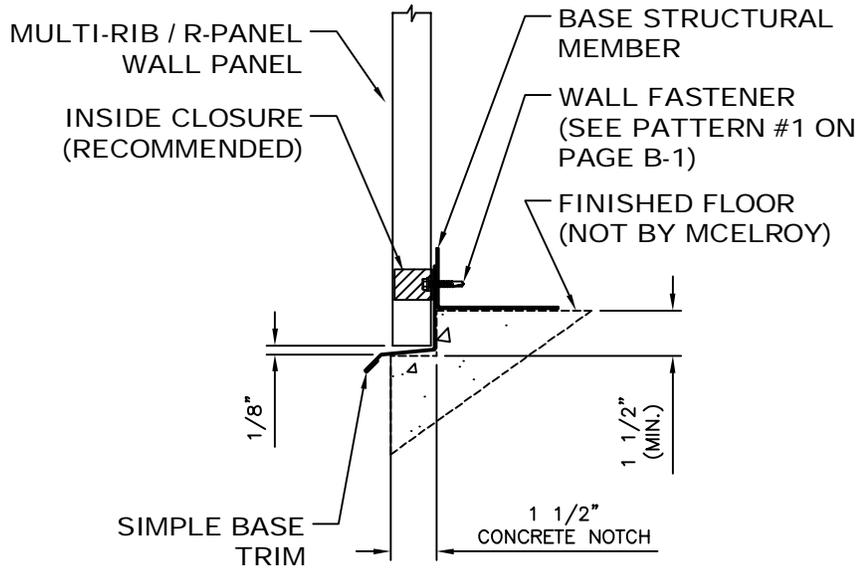
SIMPLE BASE TRIM

NOTES: 1. Base Structural Member set flush with edge of concrete notch.
2. Set Simple Base Trim in concrete notch.
3. Set Closure in position on Simple Base Trim.
4. Set Multi-Rib / R-Panel Wall Panel into place. Make sure to leave a 1/8" gap between trim and panel.
5. Attach panel with Framing Fasteners per Fastening Pattern #1 shown on page B-1.
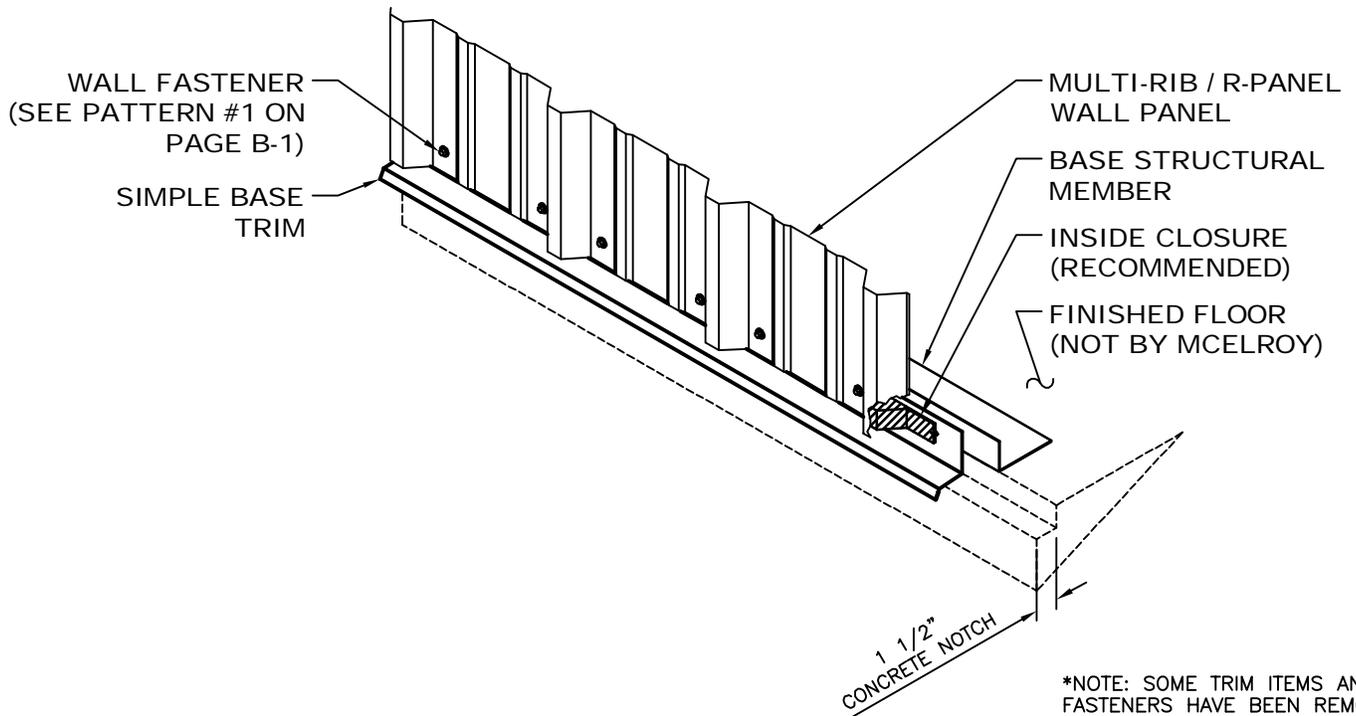
WALL FASTENER
(SEE PATTERN #1 ON
PAGE B-1)

SIMPLE BASE
TRIM

MULTI-RIB / R-PANEL
WALL PANEL

BASE STRUCTURAL
MEMBER

INSIDE CLOSURE
(RECOMMENDED)

FINISHED FLOOR
(NOT BY MCELROY)

1 1/2"
CONCRETE NOTCH

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

McELROY METAL

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MULTI-RIB / R-PANEL
WALL PANEL

WALL FASTENER
(SEE PATTERN #2 ON
PAGE B-1)

WALL STRUCTURAL
MEMBER

NOTES: 1. Attach Multi-Rib / R-Panel Wall panel to Wall Structural Member with Framing Fasteners using Fastener
Pattern #2 as shown on page B-1.

WALL FASTENER
(SEE PATTERN #2 ON
PAGE B-1)

MULTI-RIB / R-PANEL
WALL PANEL

WALL STRUCTURAL
MEMBER

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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OUTSIDE CORNER DETAIL

1/4-14 X 7/8" LAP TEK
FASTENER (@ 1'-8" O.C.)

WALL FASTENER
(SEE PATTERN #2 ON
PAGE B-1)

WALL STRUCTURAL
MEMBER

MULTI-RIB / R-PANEL
WALL PANEL

OUTSIDE CORNER
TRIM

℄ OF RIB

℄ OF RIB

℄

1"
1 3/4"
1 3/4"
4"
1"
4"

OUTSIDE CORNER TRIM

NOTES: 1. Attach Multi-Rib / R-Panel Wall panel to Wall Structural Member with Framing Fasteners using Fastener
Pattern #2 as shown on page B-1.

WALL STRUCTURAL
MEMBER

1/4-14 X 7/8" LAP TEK
FASTENER (@ 1'-8" O.C.)

MULTI-RIB / R-PANEL
WALL PANEL

OUTSIDE CORNER
TRIM
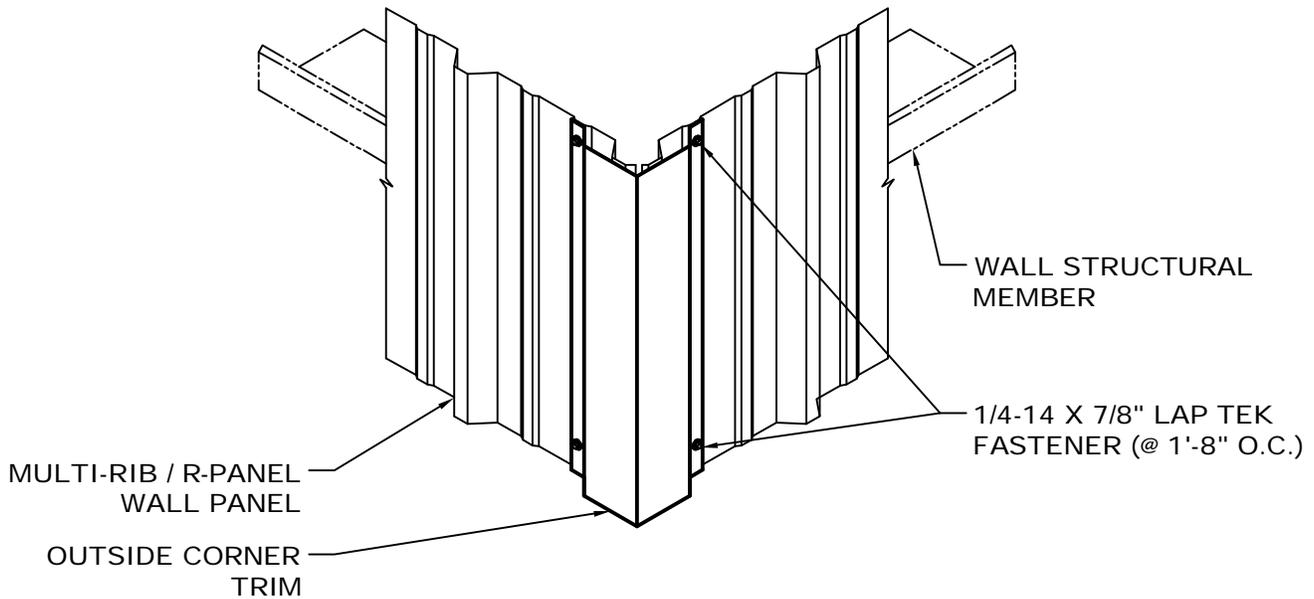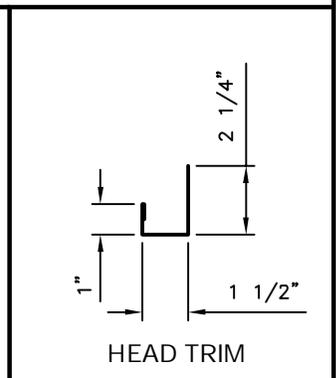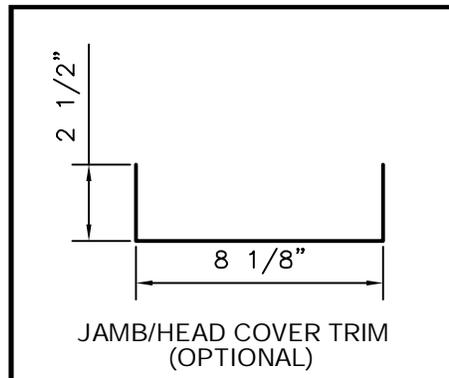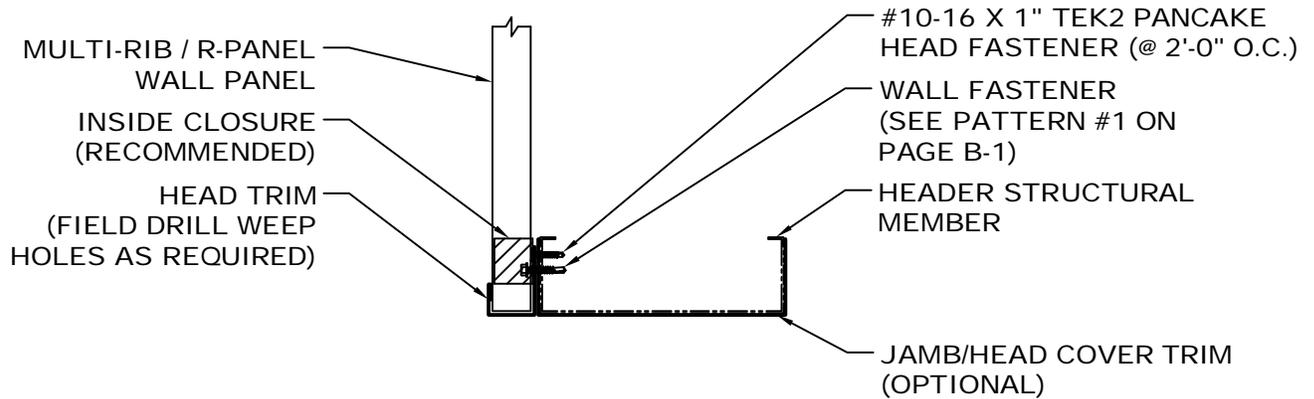
*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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MULTI-RIB / R-PANEL WALL PANEL

INSIDE CLOSURE (RECOMMENDED)

HEAD TRIM (FIELD DRILL WEEP HOLES AS REQUIRED)

#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ 2'-0" O.C.)

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

HEADER STRUCTURAL MEMBER

JAMB/HEAD COVER TRIM (OPTIONAL)

2 1/2"

8 1/8"

JAMB/HEAD COVER TRIM (OPTIONAL)

2 1/4"

1"

1 1/2"

HEAD TRIM

NOTES: 1. Attach Head Trim to Header using #10-16 x 1" TEK2 Pancake Head Fasteners every 2'-0" O.C.
2. Set Inside Closure in position on Head Trim.
3. Install Multi-Rib / R-Panel to Header Structural Member with framing fasteners using Fastener Pattern #1 on page B-1.

MULTI-RIB / R-PANEL WALL PANEL

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1

HEAD TRIM (FIELD DRILL WEEP HOLES AS REQUIRED)

INSIDE CLOSURE (RECOMMENDED)

JAMB/HEAD COVER TRIM (OPTIONAL)

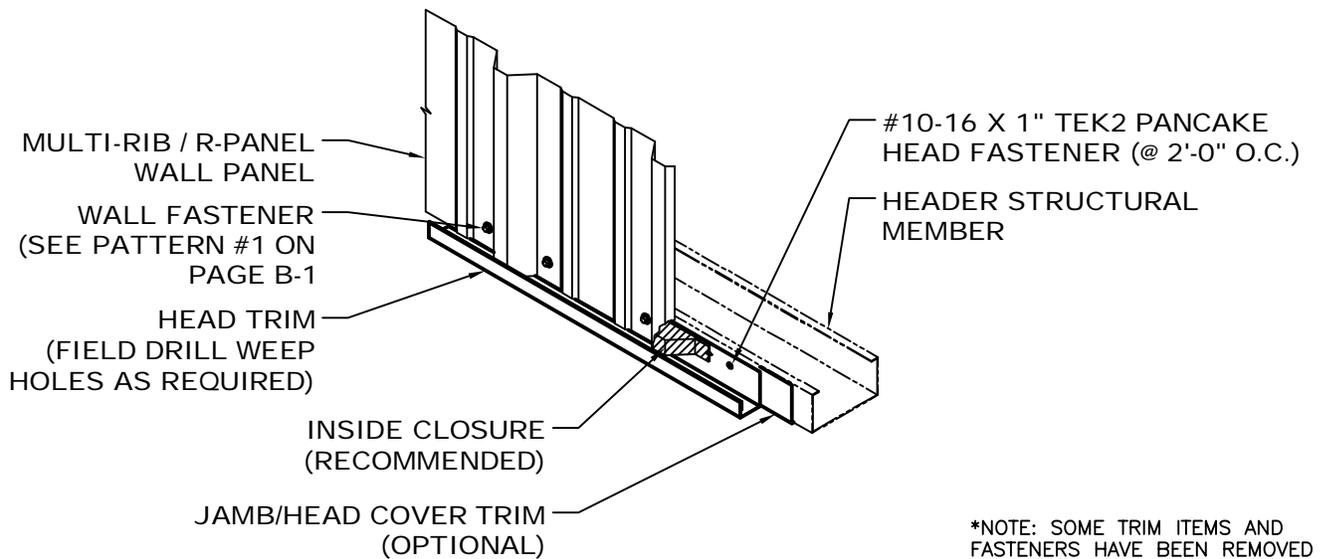#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ 2'-0" O.C.)

HEADER STRUCTURAL MEMBER

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

WALL FASTENER
(SEE PATTERN #2 ON
PAGE B-1)

JAMB STRUCTURAL
MEMBER

#10-16 X 1" TEK2 PANCAKE
HEAD FASTENER (@ 2'-0" O.C.)

JAMB/HEAD COVER TRIM
(OPTIONAL)

FIELD CUT PANEL
AS REQUIRED

JAMB TRIM

WALL STRUCTURAL
MEMBER

MULTI-RIB / R-PANEL
WALL PANEL

2 1/2"

CUST. TO SUPPLY

JAMB/HEAD COVER TRIM
(OPTIONAL)

2 1/2"

1"

1 1/4"
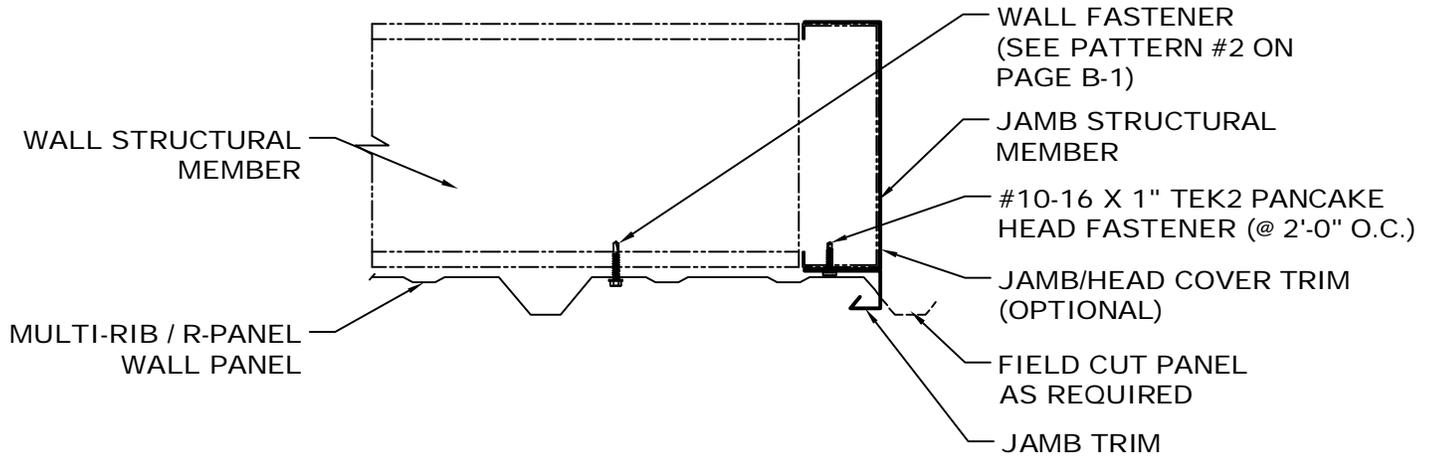
JAMB TRIM

NOTES: 1. Attach Jamb Trim to Jamb Structural Member using #10-16 x 1" TEK2 Pancake Head Fasteners
every 2'-0" O.C.
2. Install Multi-Rib / R-Panel to Wall Structural Member with framing fasteners using Fastener Pattern
2 on page B-1.

WALL STRUCTURAL
MEMEBER

JAMB STRUCTURAL
MEMBER

JAMB/HEAD COVER TRIM
(OPTIONAL)

JAMB TRIM

MULTI-RIB / R-PANEL
WALL PANEL

WALL FASTENER
(SEE PATTERN #2 ON
PAGE B-1)

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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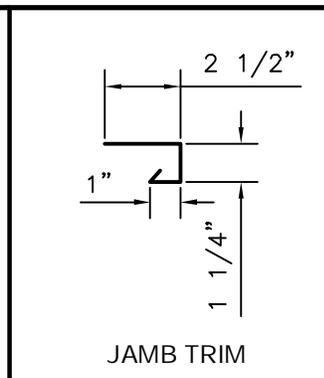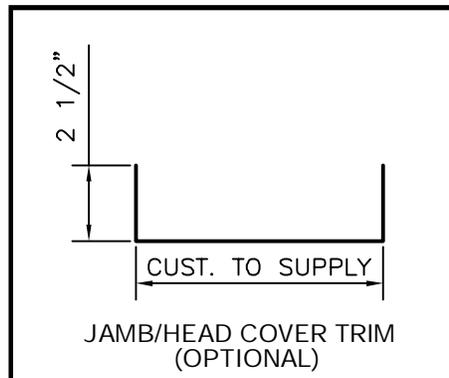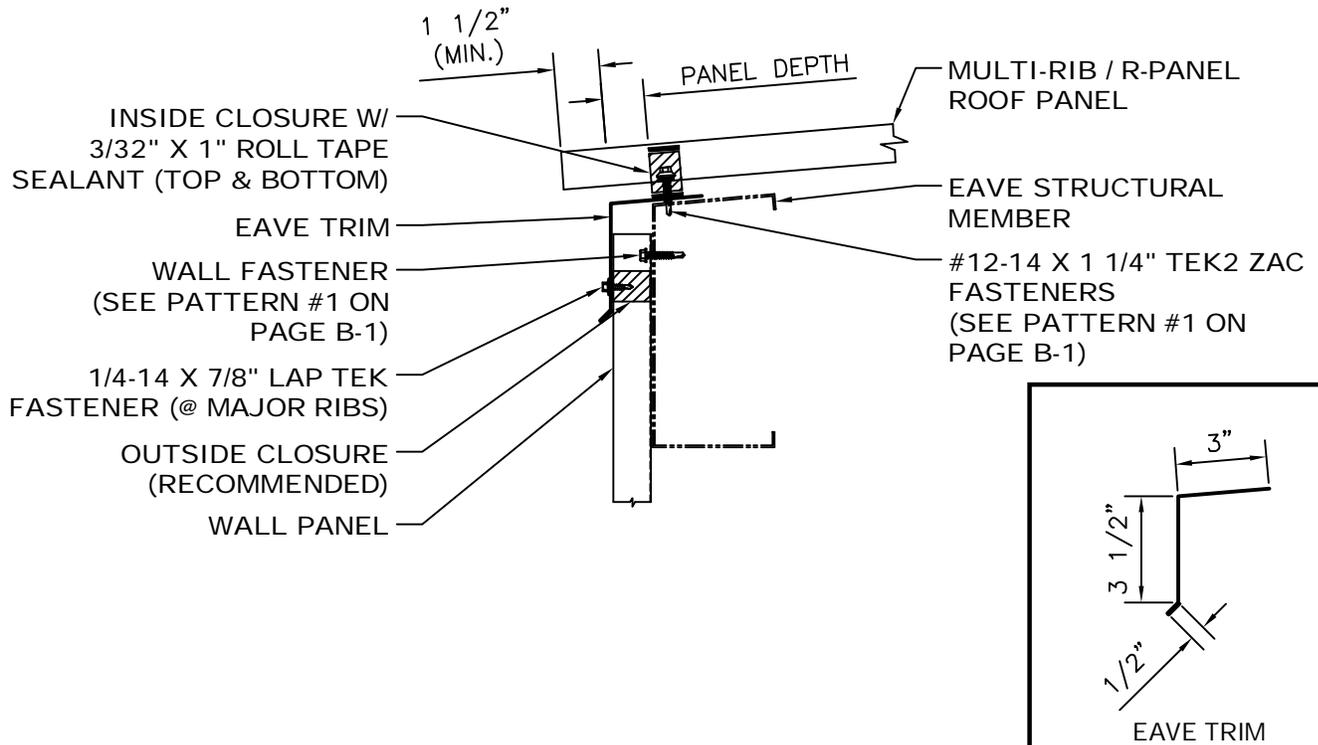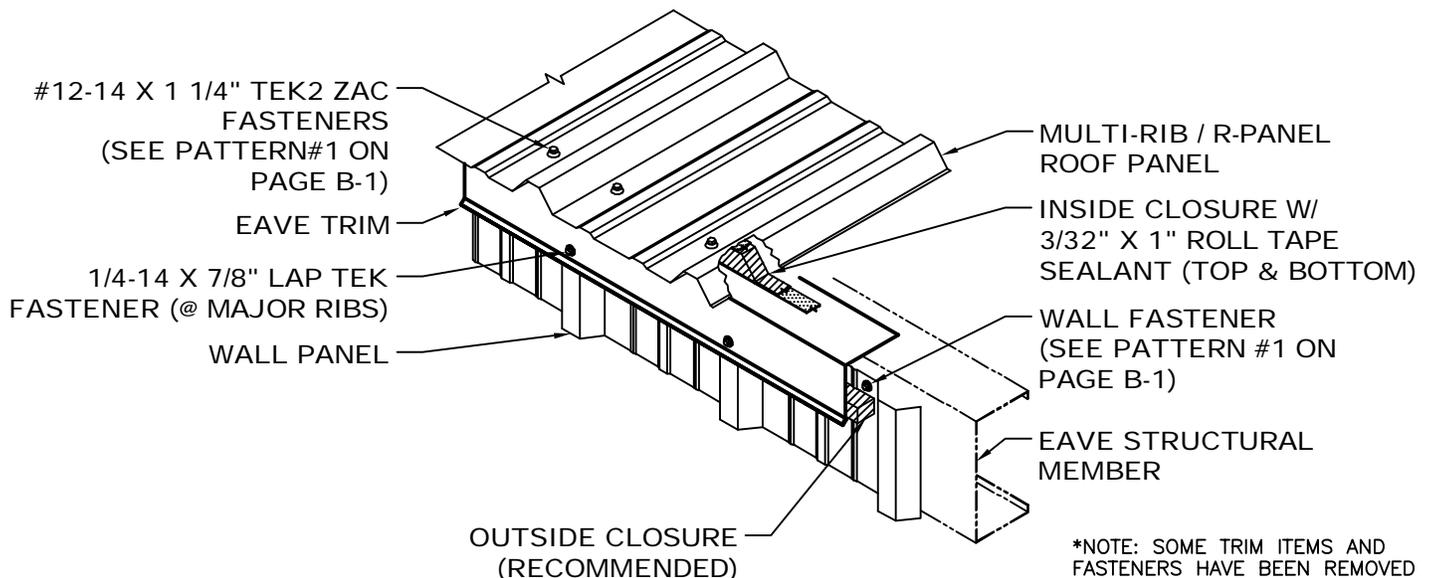TECHNICAL SERVICE
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MULTI-RIB / R-PANEL

EAVE DETAIL

1 1/2" (MIN.)

PANEL DEPTH

MULTI-RIB / R-PANEL ROOF PANEL

INSIDE CLOSURE W/ 3/32" X 1" ROLL TAPE SEALANT (TOP & BOTTOM)

EAVE TRIM

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS)

OUTSIDE CLOSURE (RECOMMENDED)

WALL PANEL

EAVE STRUCTURAL MEMBER

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #1 ON PAGE B-1)

3"

3 1/2"

1/2"
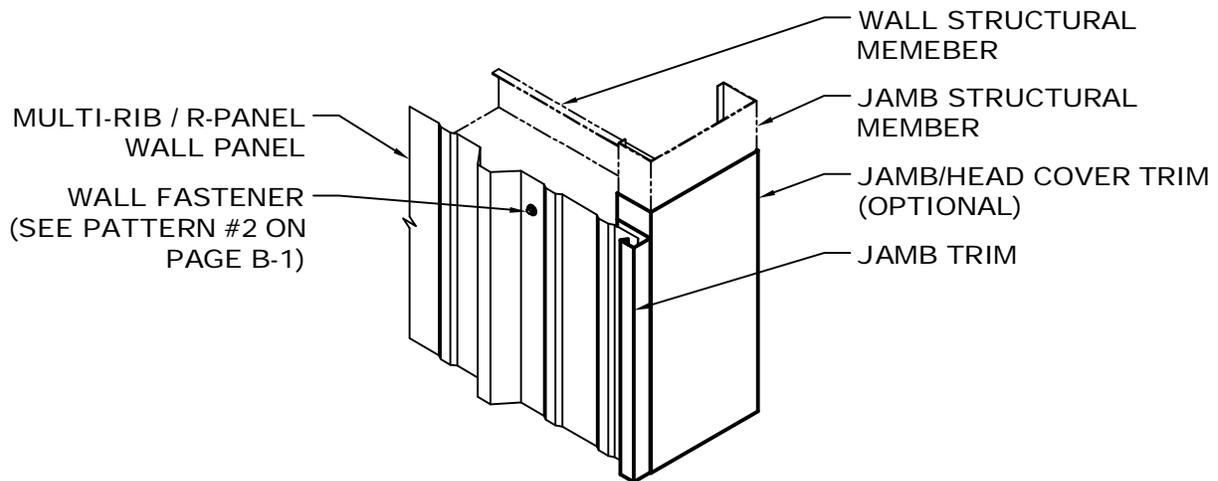
EAVE TRIM

NOTES: 1. Attach Wall Panel to Eave Structural Member with Framing Fasteners using Fastener Pattern #1 on page B-1.
2. Eave Trim to run from out of wall to out of wall.
3. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape Sealant in trim laps and Pop Rivet trims as shown on page C-18.
4. Attach Eave Trim to Wall Panel at major ribs with 1/4-14 x 7/8" Lap Tek Fasteners.
5. Apply continuous run of 1" Butyl Tape Sealant on top of Eave Trim.
6. Set Closures in tape and apply another continuous run of 1" Butyl Tape Sealant on top of closures.
7. Attach Multi-Rib / R-Panel Roof Panels in place with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See fastener pattern on page B-1.

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN#1 ON PAGE B-1)

EAVE TRIM

1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS)

WALL PANEL

MULTI-RIB / R-PANEL ROOF PANEL

INSIDE CLOSURE W/ 3/32" X 1" ROLL TAPE SEALANT (TOP & BOTTOM)

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

EAVE STRUCTURAL MEMBER

OUTSIDE CLOSURE (RECOMMENDED)

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

McELROY METAL

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EAVE w/ GUTTER DETAIL

1/4-14 X 7/8" LAP TEK ZAC FASTENER (3 PER PANEL)

1 1/2" (MIN.)

PANEL DEPTH

INSIDE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)

GUTTER STRAP (@ SIDE LAPS)

MULTI-RIB / R-PANEL ROOF PANEL

1/4-14 X 7/8" LAP TEK ZAC FASTENER (3 PER STRAP)

EAVE STRUCTURAL MEMBER

EAVE TRIM

#12-14 X 1 1/4" TEK2 ZAC FASTENER (SEE PATTERN #1 ON PAGE B-1)

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS)

DOWNSPOUT

WALL PANEL

OUTSIDE CLOSURE (RECOMMENDED)

1"

3 1/2"

3 1/2"

7/8"

5 3/8"
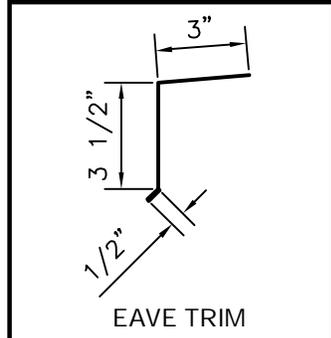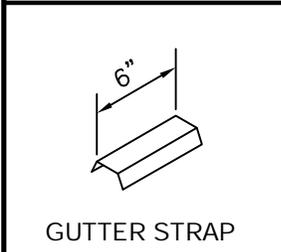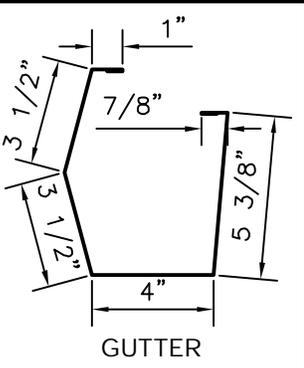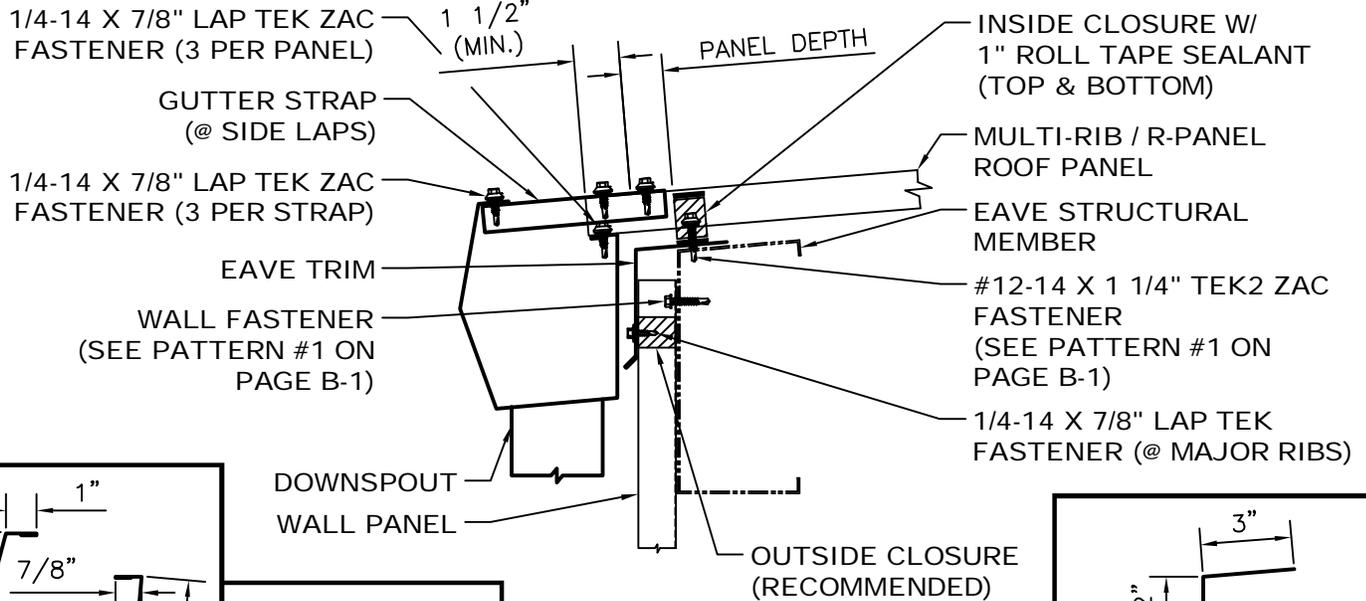
4"

GUTTER

6"

GUTTER STRAP

3"

3 1/2"

1/2"

EAVE TRIM

NOTES: 1. Attach Wall Panel to Eave Structural Member with Framing Fasteners using Fastener Pattern #1 shown on page B-1.
2. Eave Trim and Gutter to run from out of wall to out of wall.
3. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and Pop Rivet trims as shown on page C-18.
4. Attach Eave Trim to wall panels at major ribs with 1/4-14 x 7/8" Lap Tek fasteners.
5. Apply continuous run of 1" Roll Tape Sealant on top of Eave Trim.
6. Set Inside Closures in tape and apply another continuous run of 1" Roll Tape Sealant on top of closures.
7. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See Fastener Pattern on page B-1.
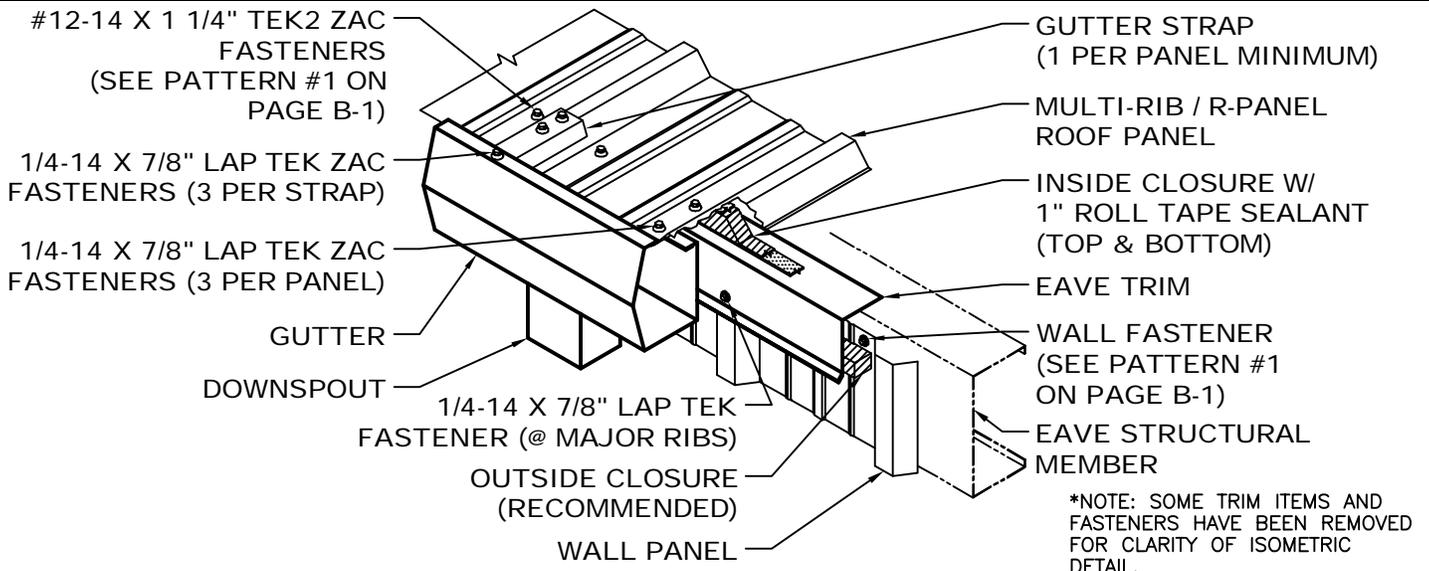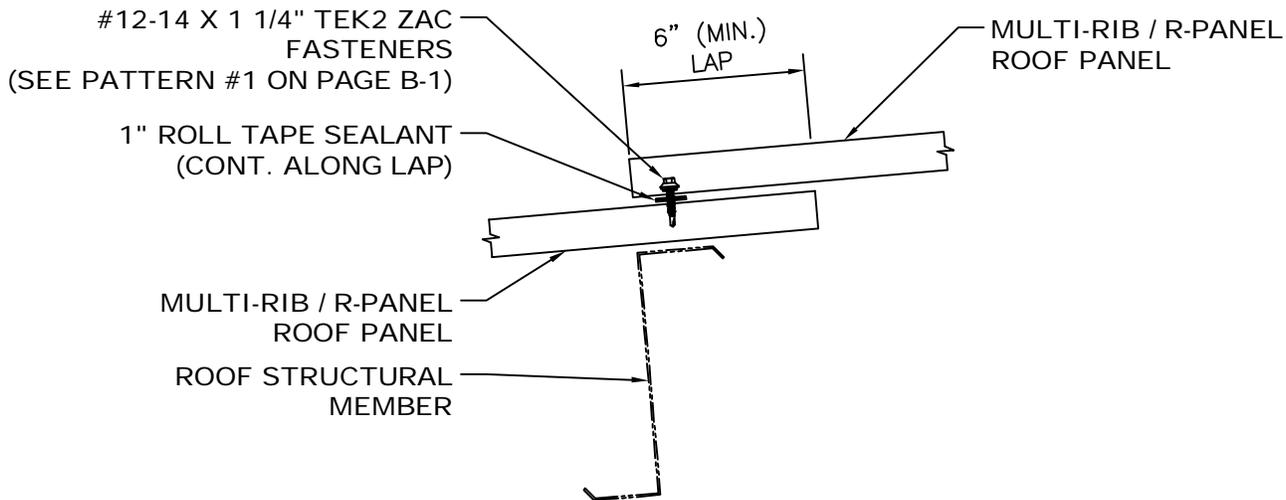8. Attach Gutter to roof panel with (1) 1/4-14 x 7/8" Lap Tek ZAC Fasteners. (3 per panel) Attach Gutter Straps to panel ribs with (2) 1/4-14 x 7/8" Lap Tek ZAC Fastener. Then attach Gutter to Gutter Strap with (1) 1/4-14 x 7/8" Lap Tek ZAC Fasteners.

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #1 ON PAGE B-1)

GUTTER STRAP (1 PER PANEL MINIMUM)

MULTI-RIB / R-PANEL ROOF PANEL

1/4-14 X 7/8" LAP TEK ZAC FASTENERS (3 PER STRAP)

1/4-14 X 7/8" LAP TEK ZAC FASTENERS (3 PER PANEL)

INSIDE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)

EAVE TRIM

GUTTER

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

DOWNSPOUT

1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS)

EAVE STRUCTURAL MEMBER

OUTSIDE CLOSURE (RECOMMENDED)

WALL PANEL

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

McELROY METAL

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MULTI-RIB / R-PANEL   ROOF PANEL LAP DETAIL

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1 ON PAGE B-1)

6" (MIN.)
LAP

MULTI-RIB / R-PANEL
ROOF PANEL

1" ROLL TAPE SEALANT
(CONT. ALONG LAP)

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER

NOTES: 1. Extend lower Multi-Rib / R-Panel Roof Panel 6" past web of Roof Structural Member.
2. Apply continuous run of 1" Roll Tape Sealant on top of lower Multi-Rib / R-Panel panel 5 3/4"
down from end of panel.
3. Install upper Multi-Rib / R-Panel panel and fasten with #12-14 x 1 1/4" Tek2 ZAC Fasteners.
See Fastener Pattern #1 on page B-1.
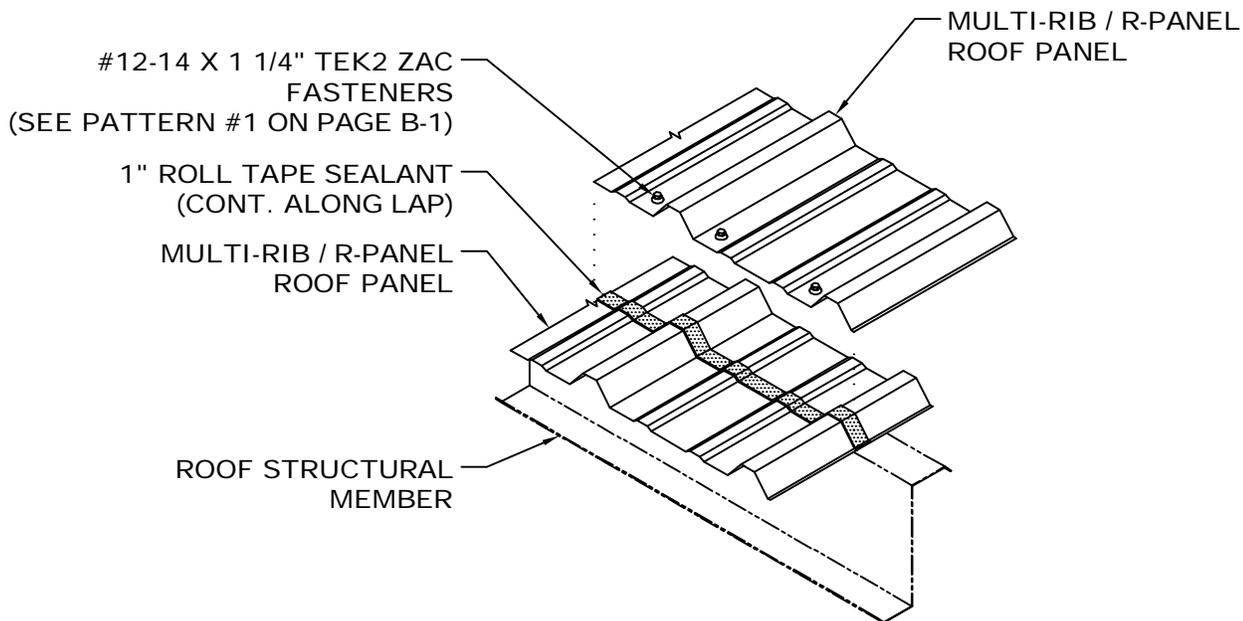
MULTI-RIB / R-PANEL
ROOF PANEL

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1 ON PAGE B-1)

1" ROLL TAPE SEALANT
(CONT. ALONG LAP)

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #2 ON PAGE B-1)

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER

NOTES: 1. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners.
See Fastener Pattern #2 on page B-1.

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #2 ON PAGE B-1)

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

McELROY METAL

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MULTI−RIB / R−PANEL

RIDGE DETAIL

OUTSIDE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #1 ON PAGE B-1)

MULTI-RIB / R-PANEL ROOF PANEL

ROOF STRUCTURAL MEMBER

1'−0" PEAK PURLIN

6" (MIN.)

℄ RIDGE

RIDGE TRIM

1/4-14 X 7/8" LAP TEK ZAC FASTENERS (@ MAJOR RIBS)

11 1/2"   11 1/2"

RIDGE TRIM
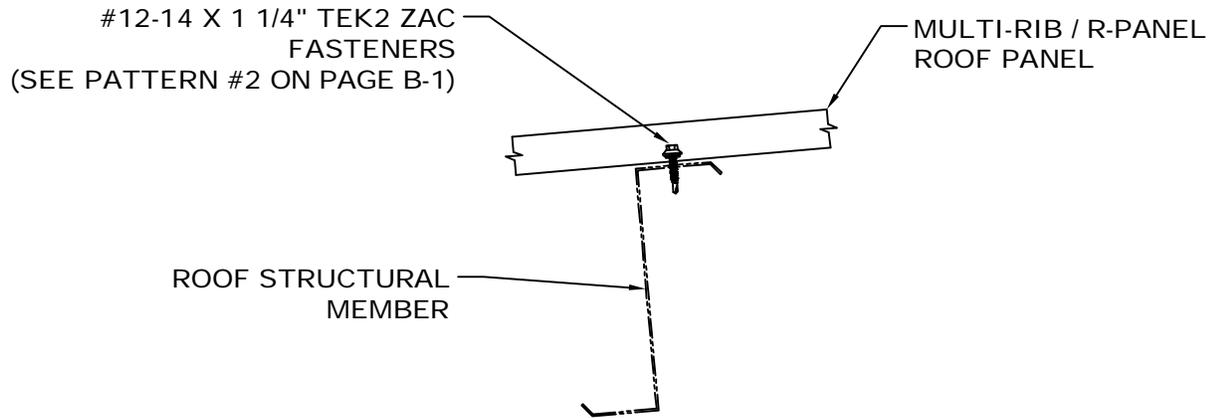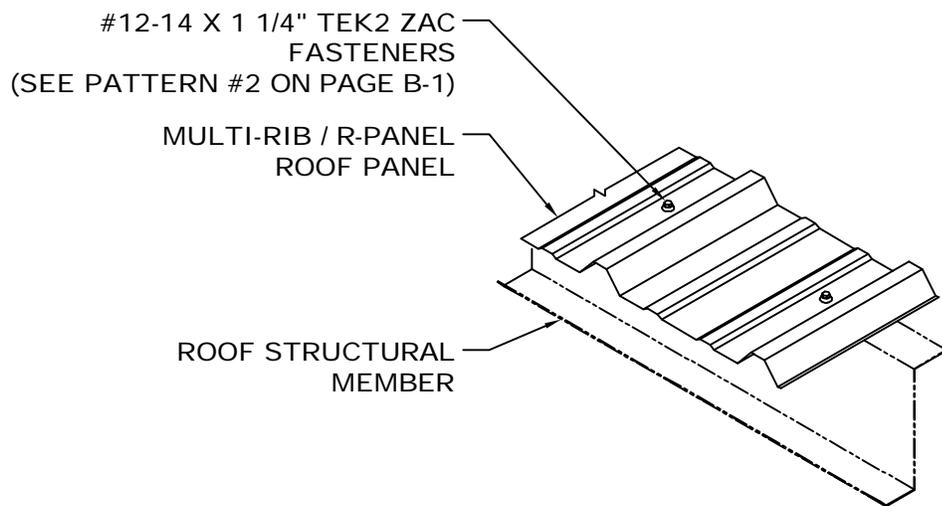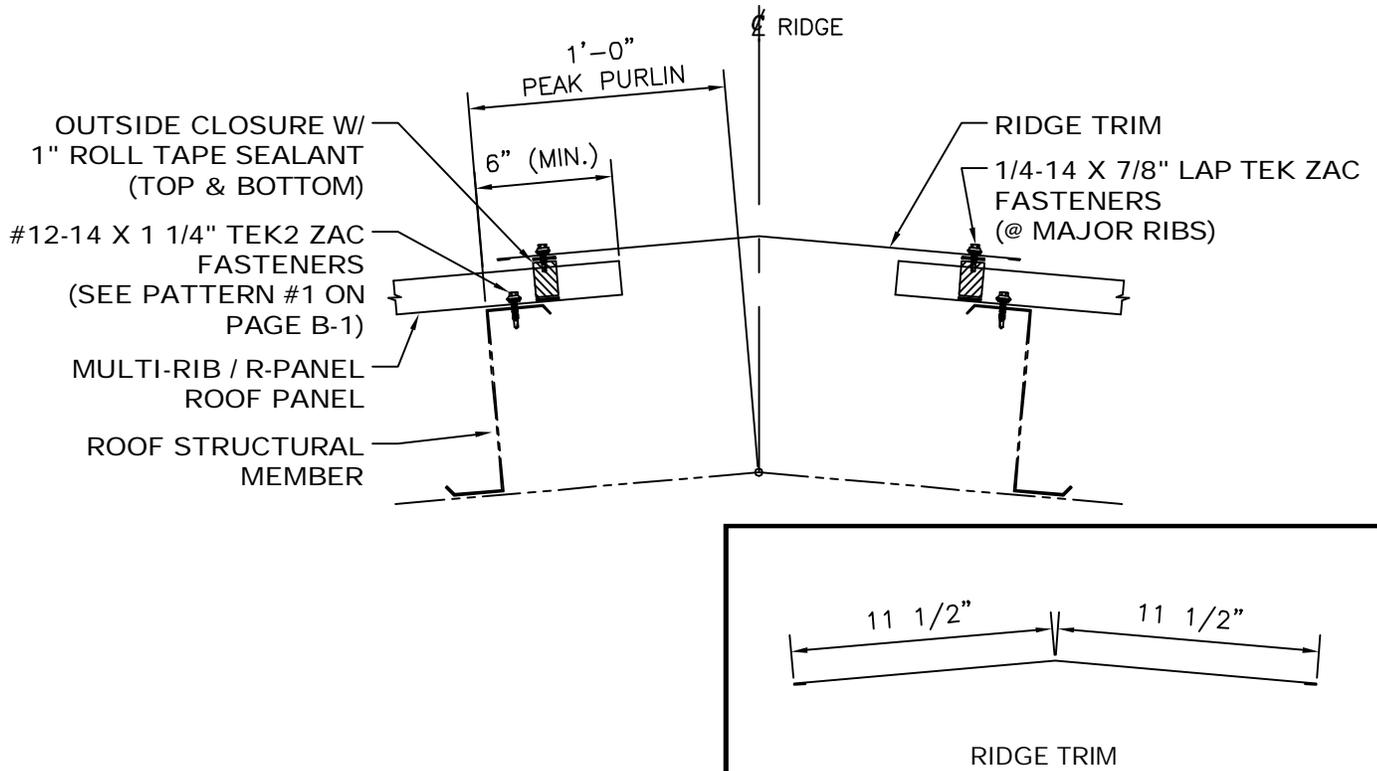
NOTES: 1. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See Fastener Pattern #1 on page B-1.
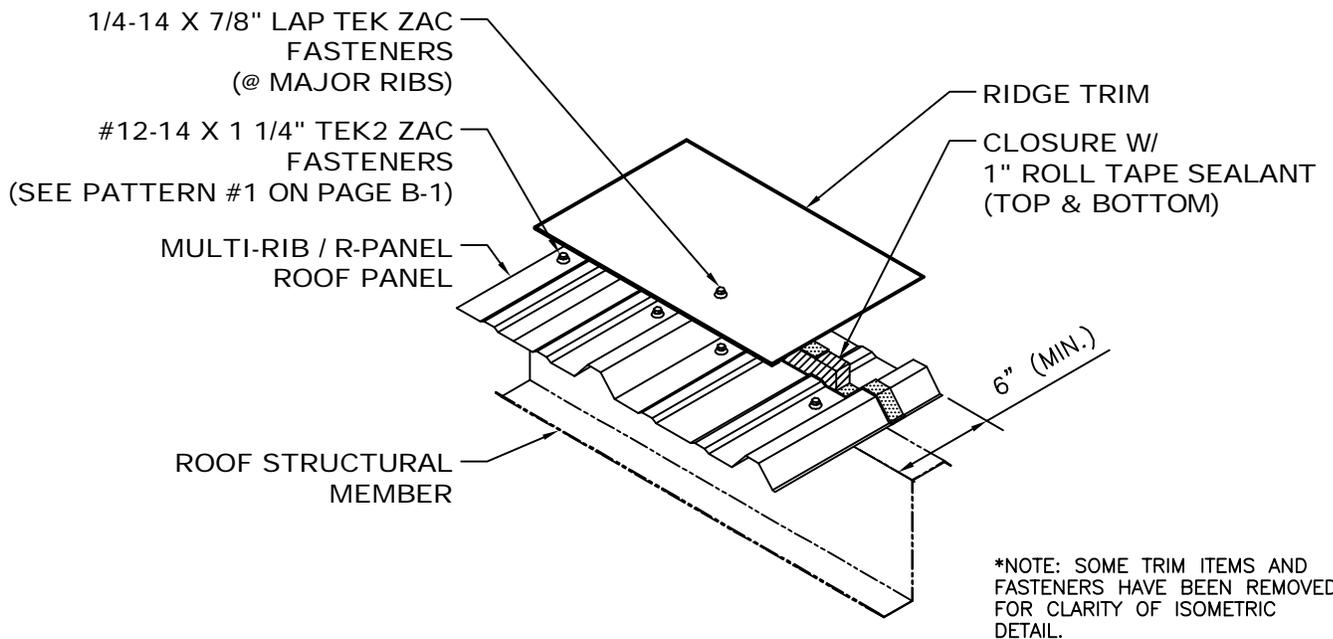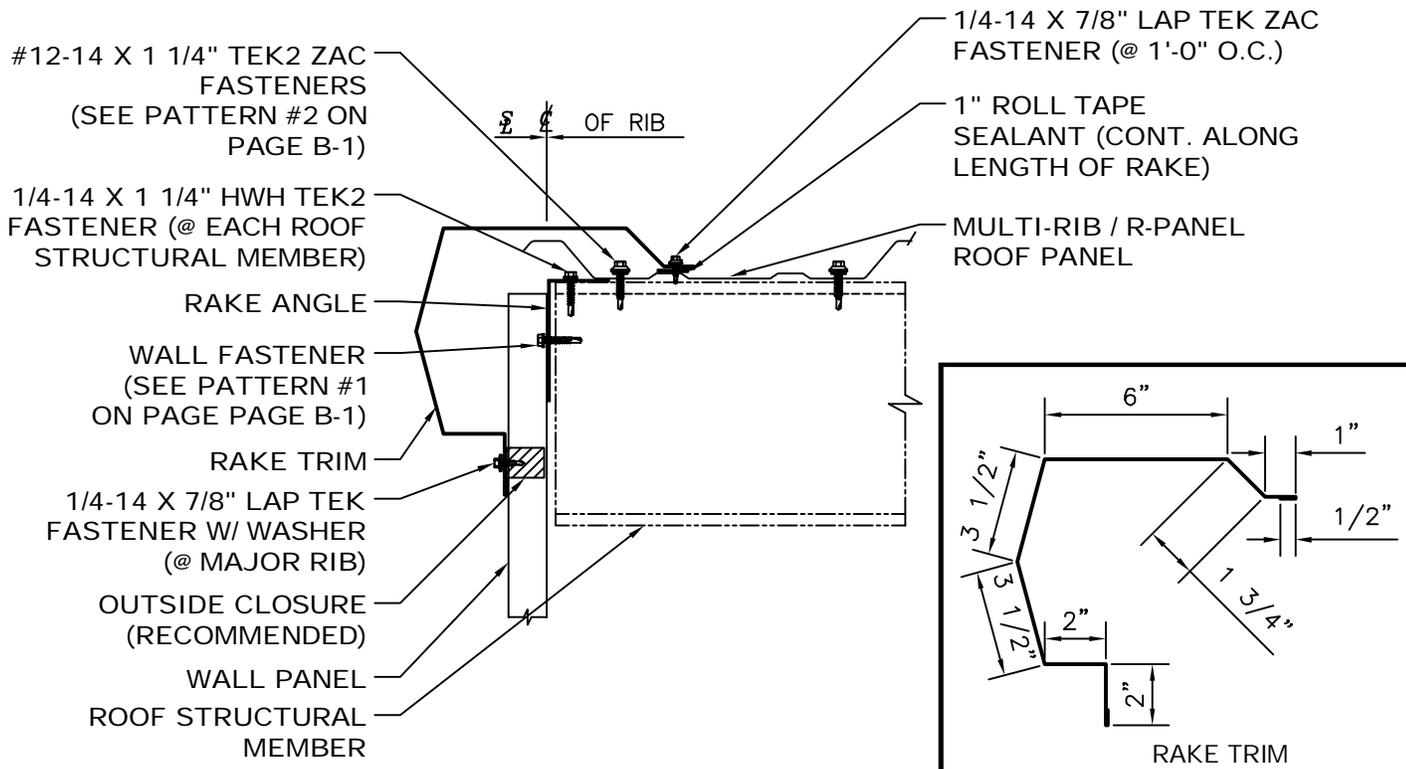2. Install a continuous line of 1" Butyl Tape Sealant above fasteners. Seat Outside Closures in tape sealant. Install another continuous line of 1" Tape Sealant on top of closures.
3. Attach Ridge Trim to roof panels with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at major ribs. Make sure fastener penetrates sealant.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 4" O.C.

1/4-14 X 7/8" LAP TEK ZAC FASTENERS (@ MAJOR RIBS)

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #1 ON PAGE B-1)

MULTI-RIB / R-PANEL ROOF PANEL

ROOF STRUCTURAL MEMBER

RIDGE TRIM

CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)

6" (MIN.)

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

MCELROY METAL

C-12

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#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #2 ON PAGE B-1)

1/4-14 X 1 1/4" HWH TEK2 FASTENER (@ EACH ROOF STRUCTURAL MEMBER)

RAKE ANGLE

WALL FASTENER (SEE PATTERN #1 ON PAGE PAGE B-1)

RAKE TRIM

1/4-14 X 7/8" LAP TEK FASTENER W/ WASHER (@ MAJOR RIB)

OUTSIDE CLOSURE (RECOMMENDED)

WALL PANEL

ROOF STRUCTURAL MEMBER

℄ OF RIB

1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 1'-0" O.C.)

1" ROLL TAPE SEALANT (CONT. ALONG LENGTH OF RAKE)

MULTI-RIB / R-PANEL ROOF PANEL

6"
3 1/2"
3 1/2"
2"
2"
1"
1/2"
1 3/4"

RAKE TRIM

NOTES:
1. Attach Wall Panel to Rake Angle with Framing Fasteners using Fastener Pattern #1 on page B-1.
2. Attach Multi-Rib / R-Panel Roof Panels in place with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See Fastern Pattern #2 on page B-1.
3. Install a continuous line of 1" Butyl Tape Sealant were Rake Trim rest on roof panel.
4. Attach Rake Trim to roof panels with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 1'-0" O.C. Make sure fastener penetrates sealant.
5. Attach Rake Trim to Wall Panels with 1/4-14 x 7/8" Lap Tek Fasteners with Washer at major ribs.
6. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 4" O.C.
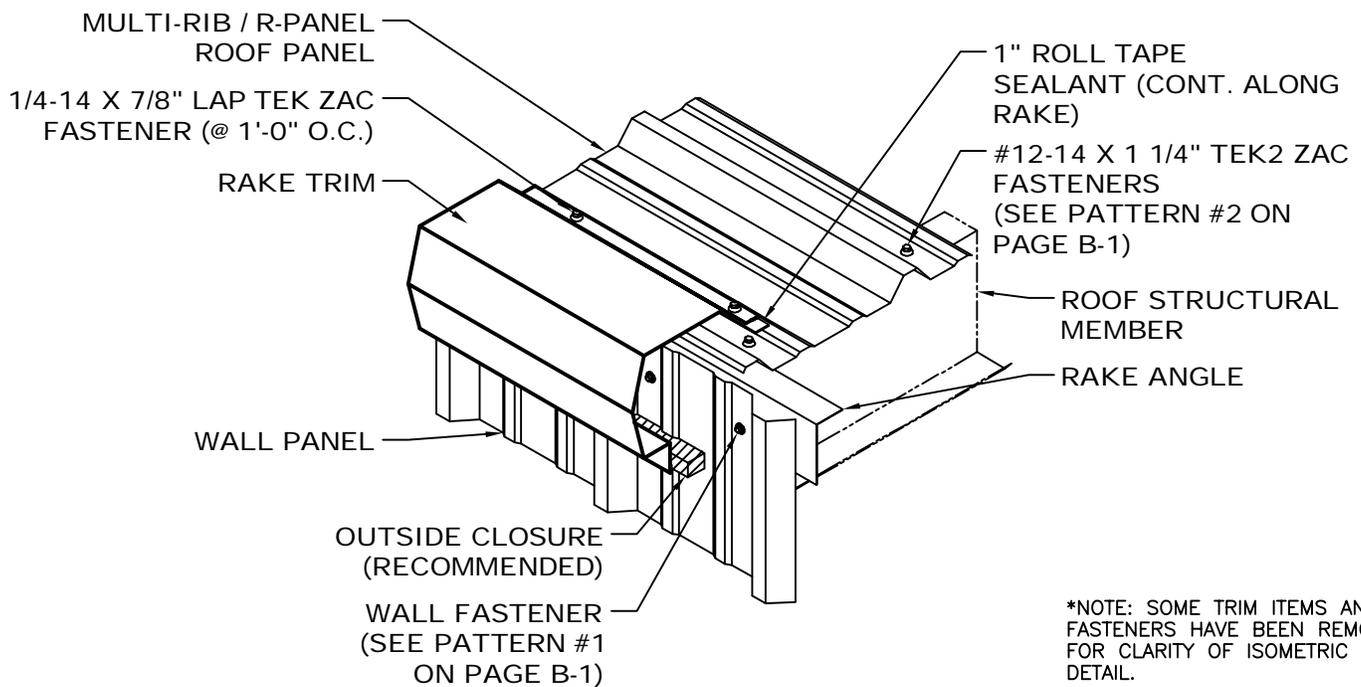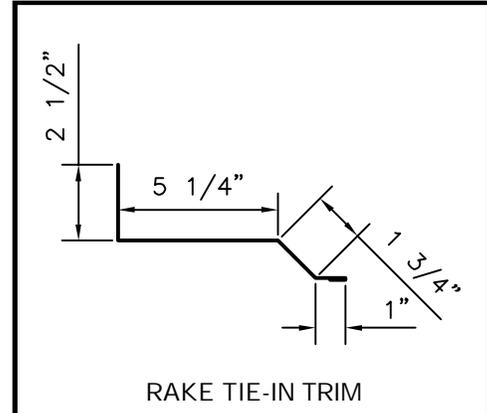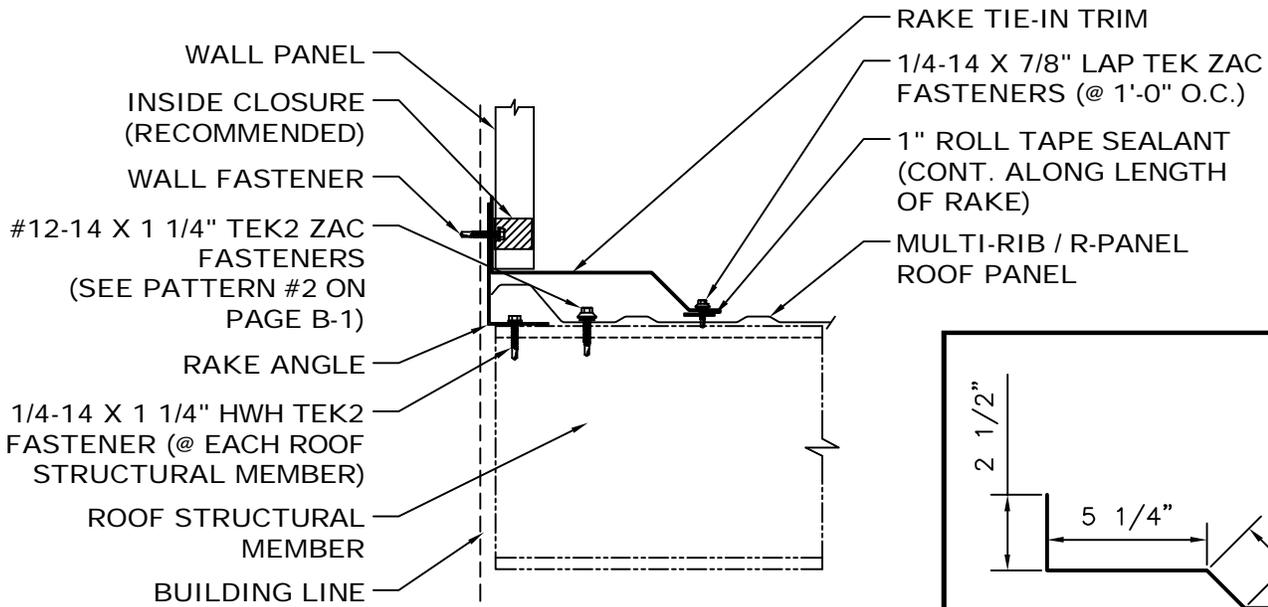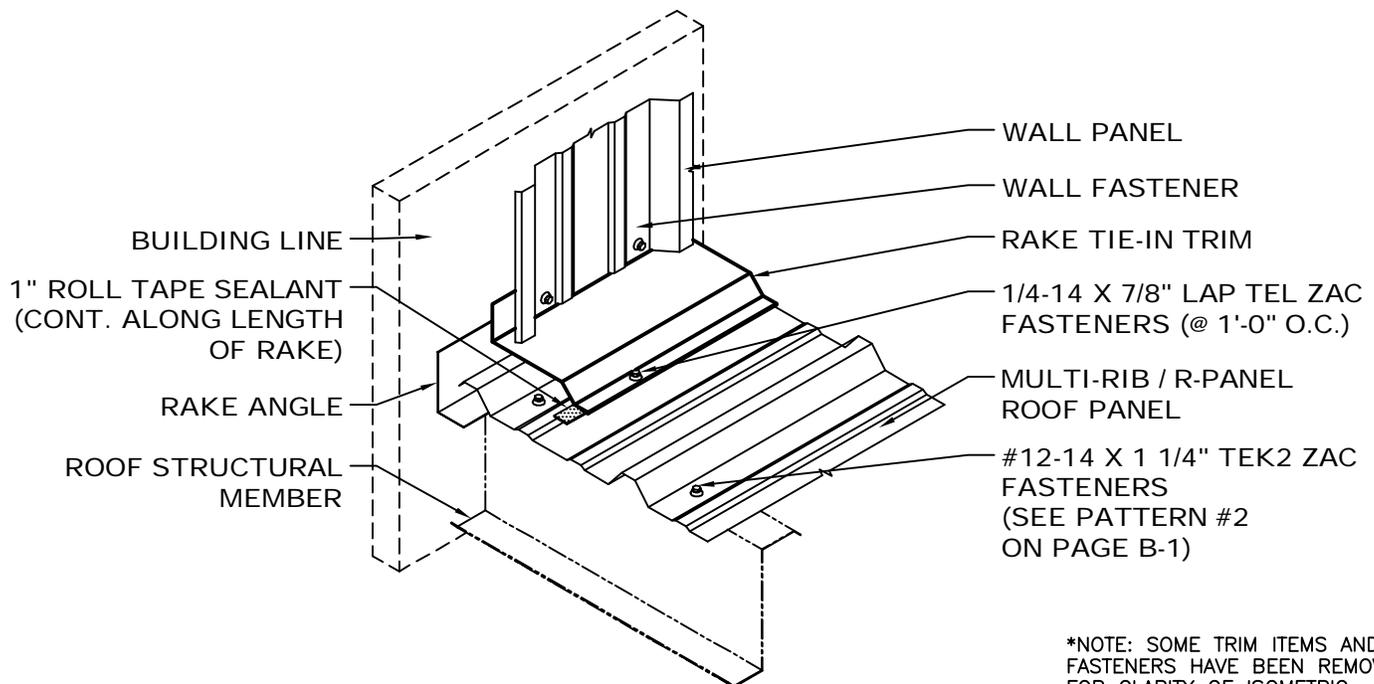
MULTI-RIB / R-PANEL ROOF PANEL

1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 1'-0" O.C.)

RAKE TRIM

WALL PANEL

OUTSIDE CLOSURE (RECOMMENDED)

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

1" ROLL TAPE SEALANT (CONT. ALONG RAKE)

#12-14 X 1 1/4" TEK2 ZAC FASTENERS (SEE PATTERN #2 ON PAGE B-1)

ROOF STRUCTURAL MEMBER

RAKE ANGLE

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

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MULTI-RIB / R-PANEL

RAKE TIE-IN DETAIL

WALL PANEL

INSIDE CLOSURE
(RECOMMENDED)

WALL FASTENER

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #2 ON
PAGE B-1)

RAKE ANGLE

1/4-14 X 1 1/4" HWH TEK2
FASTENER (@ EACH ROOF
STRUCTURAL MEMBER)

ROOF STRUCTURAL
MEMBER

BUILDING LINE

RAKE TIE-IN TRIM

1/4-14 X 7/8" LAP TEK ZAC
FASTENERS (@ 1'-0" O.C.)

1" ROLL TAPE SEALANT
(CONT. ALONG LENGTH
OF RAKE)

MULTI-RIB / R-PANEL
ROOF PANEL

2 1/2"

5 1/4"

1 3/4"

1"

RAKE TIE-IN TRIM

NOTES: 1. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners.
See Fastener Pattern #2 on page B-1.
2. Install a continuous line of 1" Butyl Tape Sealant were Rake Tie-In Trim rest on roof panel.
3. Attach Rake Trim to roof panels with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 1'-0" O.C.
Make sure fastener penetrates sealant.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim
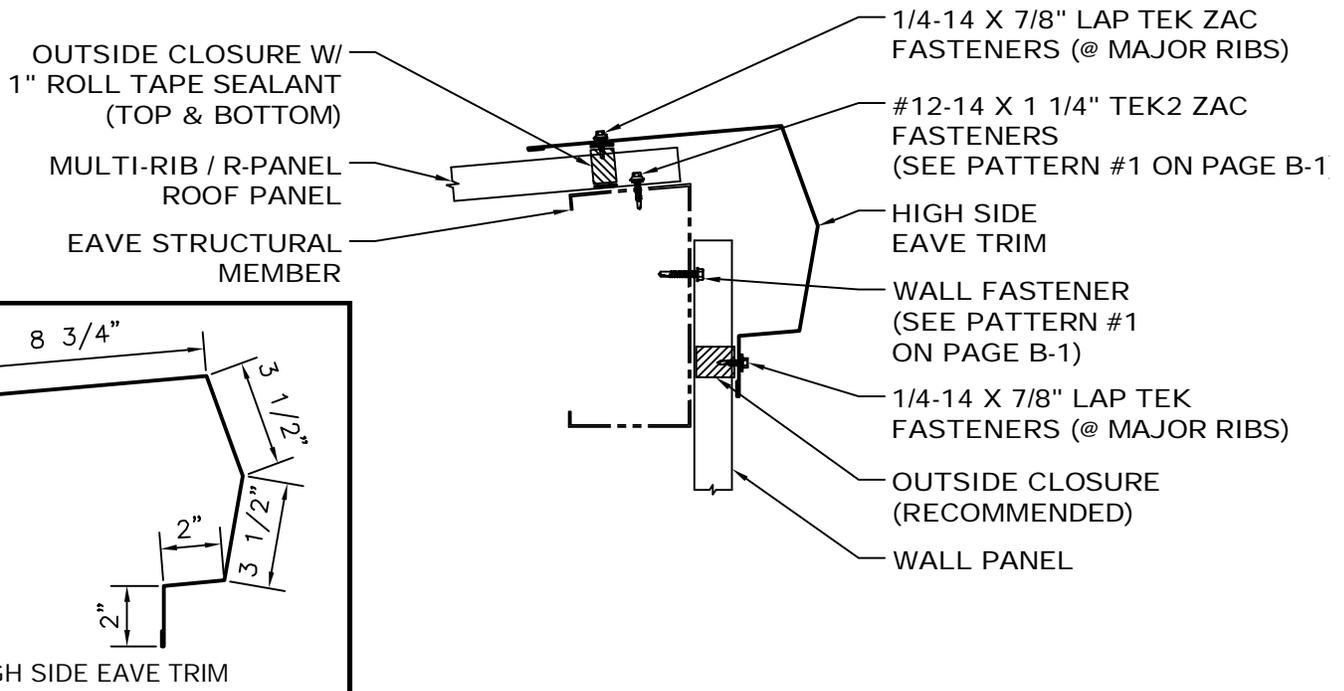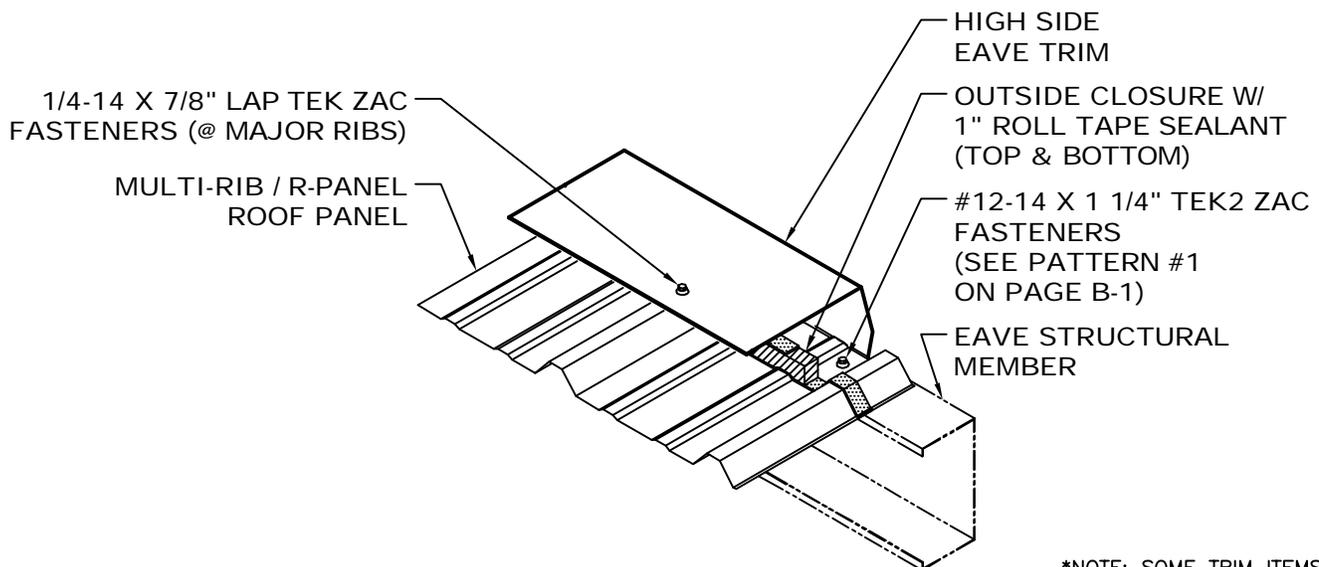joint with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 4" O.C.

BUILDING LINE

1" ROLL TAPE SEALANT
(CONT. ALONG LENGTH
OF RAKE)

RAKE ANGLE

ROOF STRUCTURAL
MEMBER

WALL PANEL

WALL FASTENER

RAKE TIE-IN TRIM

1/4-14 X 7/8" LAP TEL ZAC
FASTENERS (@ 1'-0" O.C.)

MULTI-RIB / R-PANEL
ROOF PANEL

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #2
ON PAGE B-1)

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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MULTI-RIB / R-PANEL

HIGH SIDE EAVE DETAIL

OUTSIDE CLOSURE W/
1" ROLL TAPE SEALANT
(TOP & BOTTOM)

MULTI-RIB / R-PANEL
ROOF PANEL

EAVE STRUCTURAL
MEMBER

1/4-14 X 7/8" LAP TEK ZAC
FASTENERS (@ MAJOR RIBS)

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1 ON PAGE B-1)

HIGH SIDE
EAVE TRIM

WALL FASTENER
(SEE PATTERN #1
ON PAGE B-1)

1/4-14 X 7/8" LAP TEK
FASTENERS (@ MAJOR RIBS)

OUTSIDE CLOSURE
(RECOMMENDED)

WALL PANEL

8 3/4"

3 1/2"

3 1/2"

2"

2"

HIGH SIDE EAVE TRIM

NOTES: 1. Attach Wall Panel to Eave Structural Member with Framing Fasteners using Fastener Pattern #1
on page B-1.
2. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See Fastener
Pattern #1 on page B-1.
3. Install a continuous line of 1" Butyl Tape Sealant below fasteners. Seat Outside Closures in
tape sealant. Install another continuous line of 1" Tape Sealant on top of closures.
4. Attach High Side Eave Trim to roof panels with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at
major ribs. Make sure fastener penetrates sealant.
5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim
joint with 1/4-14 x 7/8" Lap Tek ZAC Fasteners at 4" O.C.

HIGH SIDE
EAVE TRIM

OUTSIDE CLOSURE W/
1" ROLL TAPE SEALANT
(TOP & BOTTOM)

#12-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1
ON PAGE B-1)

1/4-14 X 7/8" LAP TEK ZAC
FASTENERS (@ MAJOR RIBS)

MULTI-RIB / R-PANEL
ROOF PANEL

EAVE STRUCTURAL
MEMBER

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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WALL PANEL

1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ MAJOR RIBS)

WALL FASTENER

HIGH SIDE TIE-IN TRIM

WALL STRUCTURAL MEMBER

OUTSIDE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)
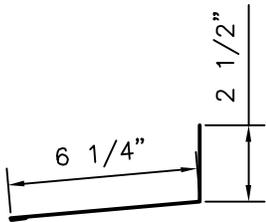
MULTI-RIB / R-PANEL ROOF PANEL

ROOF STRUCTURAL MEMBER

INSIDE CLOSURE (RECOMMENDED)

#12-14 X 1 1/4" TEK2 ZAC FASTENER (SEE PATTERN #1 ON PAGE B-1)

2 1/2"

6 1/4"

HIGH SIDE TIE-IN TRIM

NOTES: 1. Attach Multi-Rib / R-Panel Roof Panels with #12-14 x 1 1/4" Tek2 ZAC Fasteners. See Fastener Pattern #1 on page B-1.
2. Install a continuous line of 1" Butyl Tape Sealant. Seat Outside Closures in tape sealant. Install another continuous line of 1" Tape Sealant on top of closures.
3. Attach High Side Tie-In Trim to roof panels with 1/4-14 x 7/8" Lap Tek Fasteners at major ribs. Make sure fastener penetrates sealant.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap Tek Fasteners at 4" O.C.

WALL PANEL

WALL FASTENER

1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ MAJOR RIBS)
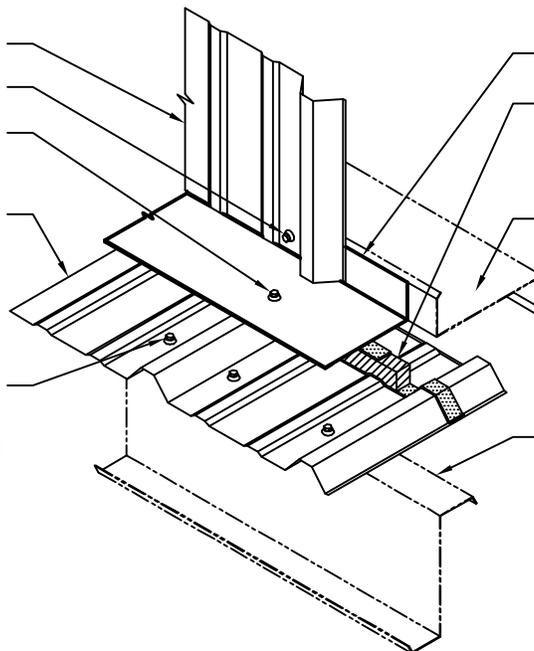
MULTI-RIB / R-PANEL ROOF PANEL

HIGH SIDE TIE-IN TRIM

OUTSIDE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP & BOTTOM)

WALL STRUCTURAL MEMBER

#12-14 X 1 1/4" TEK2 ZAC FASTENER W/ WASHER (SEE PATTERN #1 ON PAGE B-1)

EAVE STRUCTURAL MEMBER

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

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MULTI-RIB / R-PANEL WALL PANEL

INSIDE CLOSURE (RECOMMENDED)

MASONARY WAINSCOAT TRIM

BRICK WALL (NOT BY MCELROY)

BASE STRUCTURAL MEMBER

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

ANCHOR BOLT (NOT BY MCELROY)

BLOCK WALL (NOT BY MCELROY)

4 1/2"

3 1/2"

2"
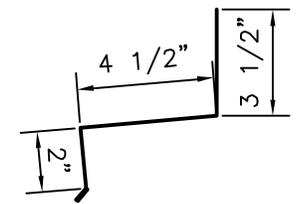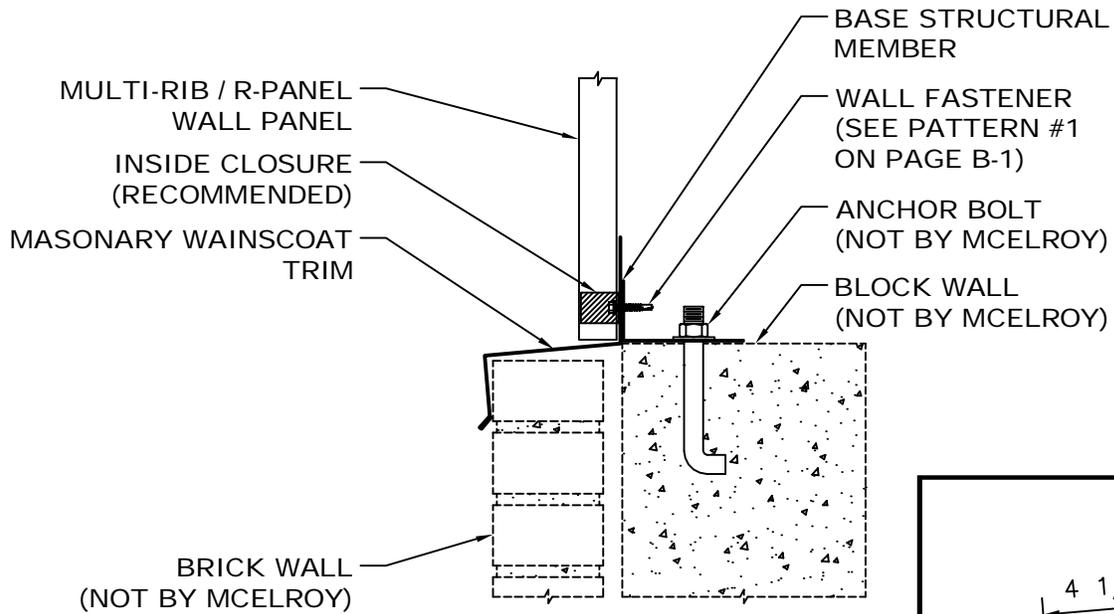
MASONARY WAINSCOAT TRIM

NOTES: 1. Attach Masonry Waincoat Trim to Base Structural Member with Temporary Framing Fasteners.
2. Set Inside Closure in place.
3. Attach Multi-Rib / R-Panel Wall Panels with Framing Fasteners. See Fastener Pattern #1 on page B-1.
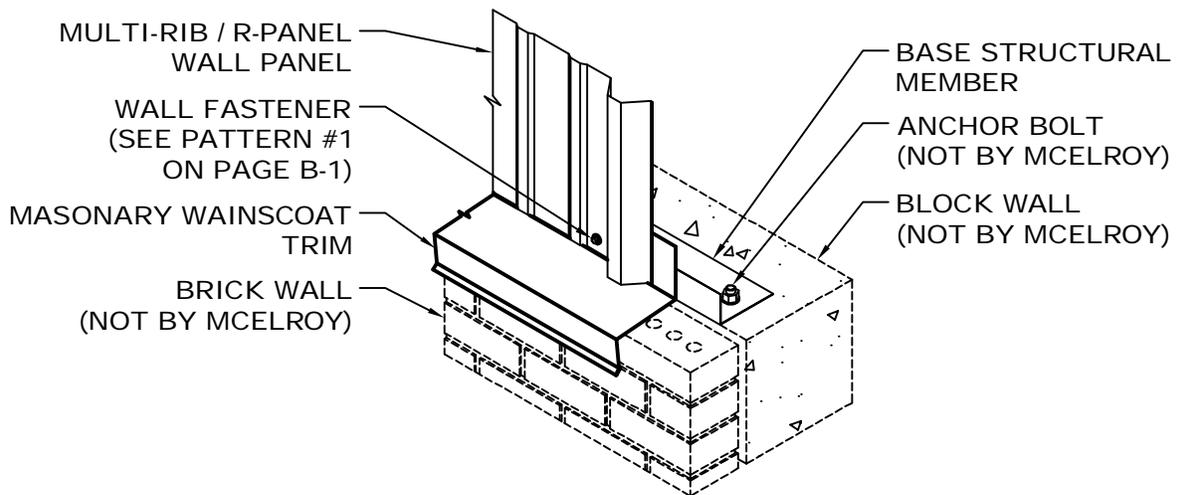
MULTI-RIB / R-PANEL WALL PANEL

WALL FASTENER (SEE PATTERN #1 ON PAGE B-1)

MASONARY WAINSCOAT TRIM

BRICK WALL (NOT BY MCELROY)

BASE STRUCTURAL MEMBER

ANCHOR BOLT (NOT BY MCELROY)

BLOCK WALL (NOT BY MCELROY)

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

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MULTI-RIB / R-PANEL
DIE-FORMED RIDGE CAP DETAIL

1'-0"
PEAK PURLIN

℄ RIDGE

MULTI-RIB / R-PANEL
DIE-FORMED RIDGE CAP

1/4-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1 ON
PAGE B-1)

6" (MIN.)

ROLL TAPE
SEALANT

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER
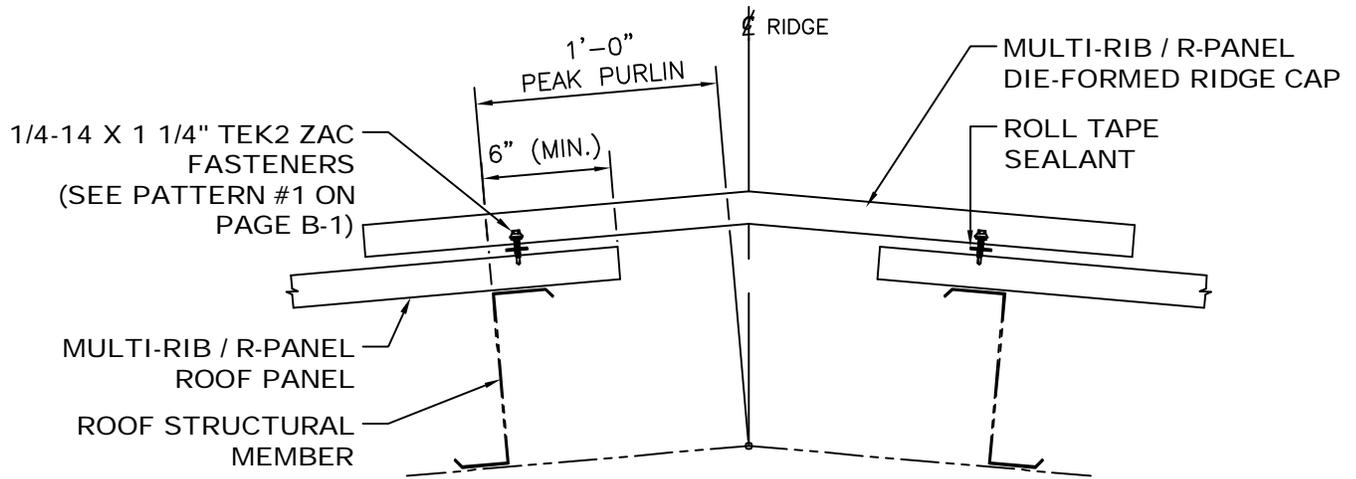
NOTES: 1. Install a continuous line of 1" Butyl Tape Sealant along Ridge.
2. Attach Multi-Rib / R-Panel Die-Formed Ridge Cap using 1/4-14 x 1 1/4" Tek2 ZAC Fasteners.
See Fastener Pattern #1 on page B-1. (Make sure fasteners penetrate Butyl Tape Sealant.)

1/4-14 X 1 1/4" TEK2 ZAC
FASTENERS
(SEE PATTERN #1 ON
PAGE B-1)

MULTI-RIB / R-PANEL
DIE-FORMED RIDGE CAP

1" ROLL TAPE SEALANT

MULTI-RIB / R-PANEL
ROOF PANEL

ROOF STRUCTURAL
MEMBER

*NOTE: SOME TRIM ITEMS AND
FASTENERS HAVE BEEN REMOVED
FOR CLARITY OF ISOMETRIC
DETAIL.

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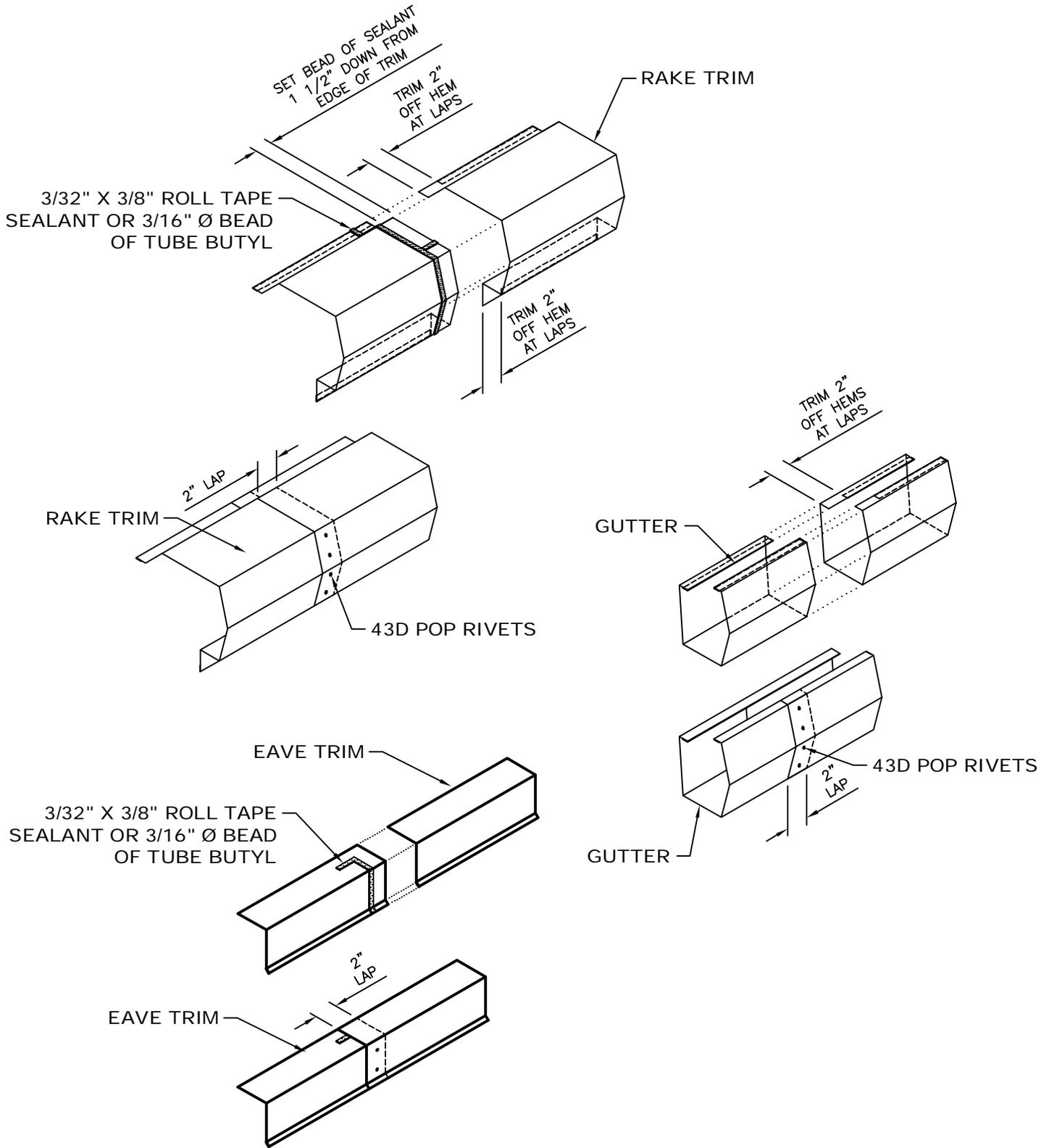1-800-950-9082

TYPICAL TRIM LAP DETAIL

SET BEAD OF SEALANT
1 1/2" DOWN FROM
EDGE OF TRIM

TRIM 2"
OFF HEM
AT LAPS

RAKE TRIM

3/32" X 3/8" ROLL TAPE
SEALANT OR 3/16" Ø BEAD
OF TUBE BUTYL

TRIM 2"
OFF HEM
AT LAPS

2" LAP

RAKE TRIM

43D POP RIVETS

TRIM 2"
OFF HEMS
AT LAPS

GUTTER

43D POP RIVETS

2" LAP

GUTTER

EAVE TRIM

3/32" X 3/8" ROLL TAPE
SEALANT OR 3/16" Ø BEAD
OF TUBE BUTYL

2" LAP

EAVE TRIM

NOTE: 1. Apply 3/32" x 3/8" Roll Tape Sealant or a 3/16" Ø bead of Tube Butyl 1 1/2" back from the edge of the
        trim. Also, apply a piece of tape sealant or bead of Tube Butyl as a Pigtail to completely seal joint.
        2. Notch the hems on the upper trim piece 2" so that the trim will fit flat in the lap joint.
        3. Secure trim laps with Pop Rivets as shown above.

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