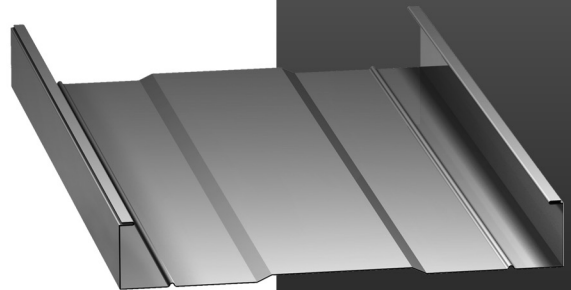


238T

INSTALLATION



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# GENERAL NOTES

The details shown on the following pages are suggestions or guidelines for installing the 238T 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. In addition, other details may be perfectly acceptable for use. Please contact McElroy Metal for assistance in determining if a detail is acceptable.

Installation procedures shall be in accordance with the manufacturer's printed instructions, details or approved shop drawings. Installers should thoroughly familiarize 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.

Awareness of and allowance for expansion/contraction of the roof panels.

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. Plank or Striated panels are recommended as to reduce the appearance of oil canning.

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](http://www.mcelroymetal.com).

Optional details can also be found on our website.

# GENERAL INFORMATION

## ATTENTION

READ THE SEAMER INFORMATION THOROUGHLY BEFORE STARTING THE SEAMING OPERATION. FAILURE TO ADHERE TO THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY AND DAMAGE TO THE SEAMER AND/OR PANELS. THE ERECTOR WILL BE HELD LIABLE FOR ANY COSTS INCURRED FOR REPLACEMENT OR REPAIR.

## PRE-SEAMING INFORMATION

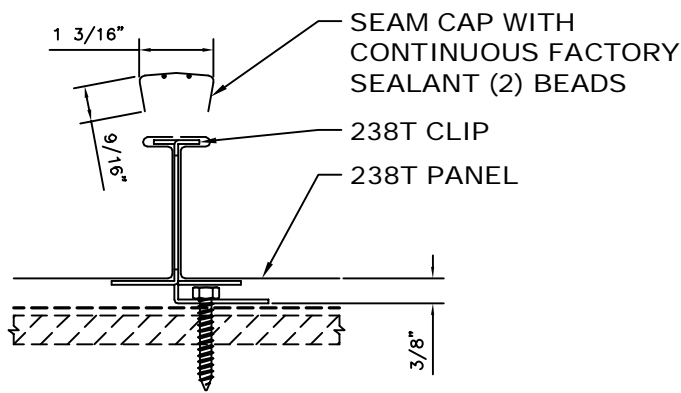
1. Locate seamer box. Check to make sure you received an electric seamer, parts box, return shipping label and an information booklet. If not, please call our Technical Services Department. (Hand Seamers must be rented.)
2. Locate power source and check against power requirements in the information booklet.
3. Check seams for proper engagement.
4. Clean dirt, debris and excess sealant from seams and panel surfaces to avoid interfering with the seaming operation.

## HAND SEAMING OPERATION

### !!!ATTENTION!!!

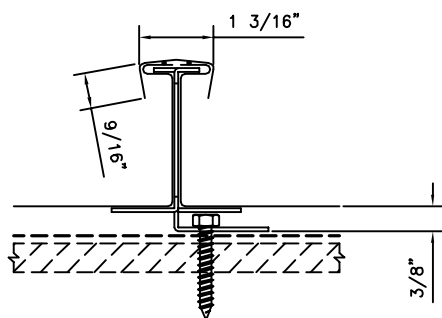
It is critical that the panel seams are crimped and folded before using the electric seamer. Failure to follow these guidelines will result in damaged seams.

To begin seaming, set the hand seamer on the seam. Align the edge of the hand seamer about one to two inches past the edge of the panel. Crimp the panel 3 to 4 times along the seam for a total of 12" at the eave and 5 or 6 times along the seam for a total of 18" at the ridge and then at every clip.



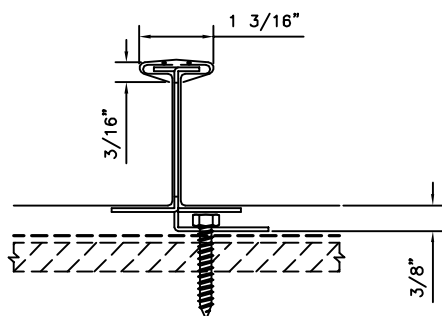
SEAM ENGAGEMENT

NOTE:  
ALL DIMENSIONS ARE APPROXIMATE.  
SLIGHT DIFFERENCES IN THE FIELD  
ARE ACCEPTABLE.



BEFORE SEAMING

NOTE:  
ALL DIMENSIONS ARE APPROXIMATE.  
SLIGHT DIFFERENCES IN THE FIELD  
ARE ACCEPTABLE.



AFTER SEAMING

NOTE:  
ALL DIMENSIONS ARE APPROXIMATE.  
SLIGHT DIFFERENCES IN THE FIELD  
ARE ACCEPTABLE.

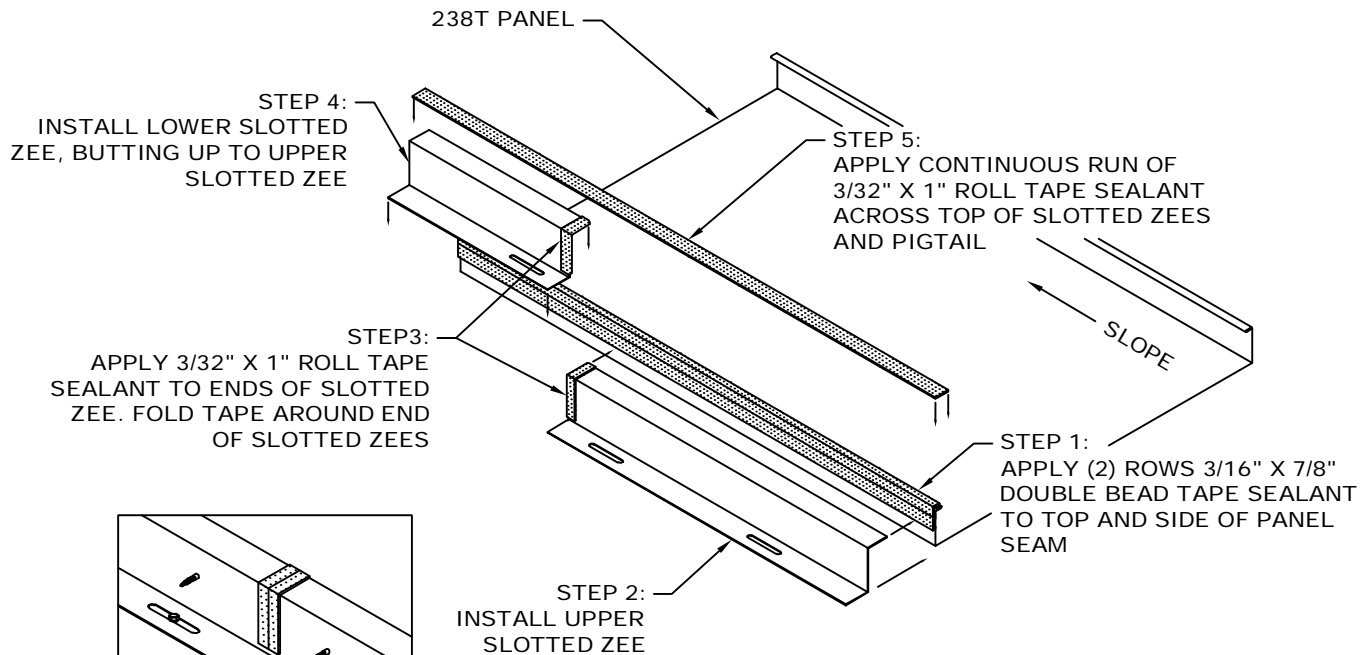
### NOTE:

Mechanical seamers and hand seamers are available for rental through McElroy's approved seamer supplier at the following website. Go to: <http://www.mcelroyseamers.com>

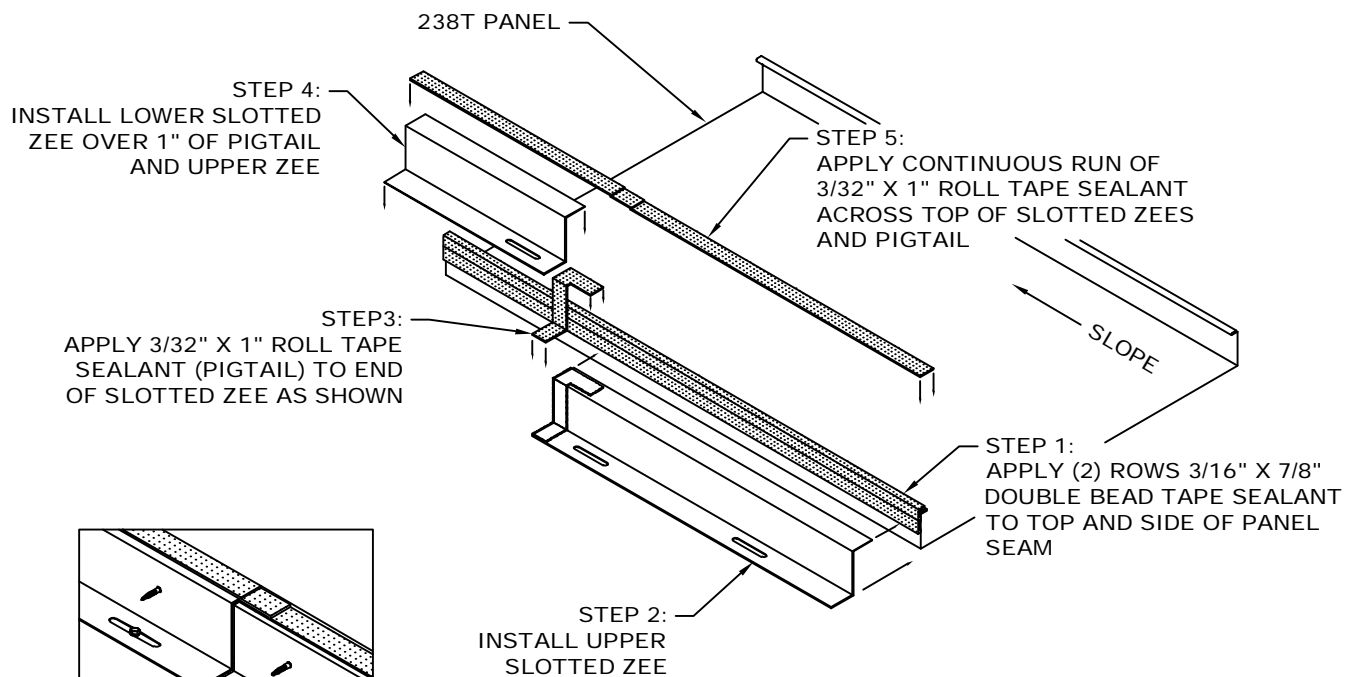
### !!!ATTENTION!!!

If a panel or seam becomes damaged, the installer can rent a "de-seamer" through the same website listed above.

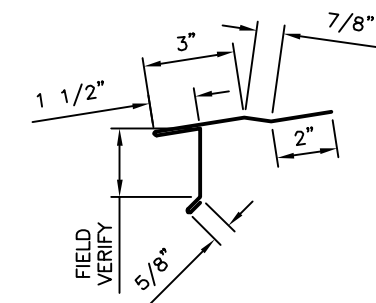
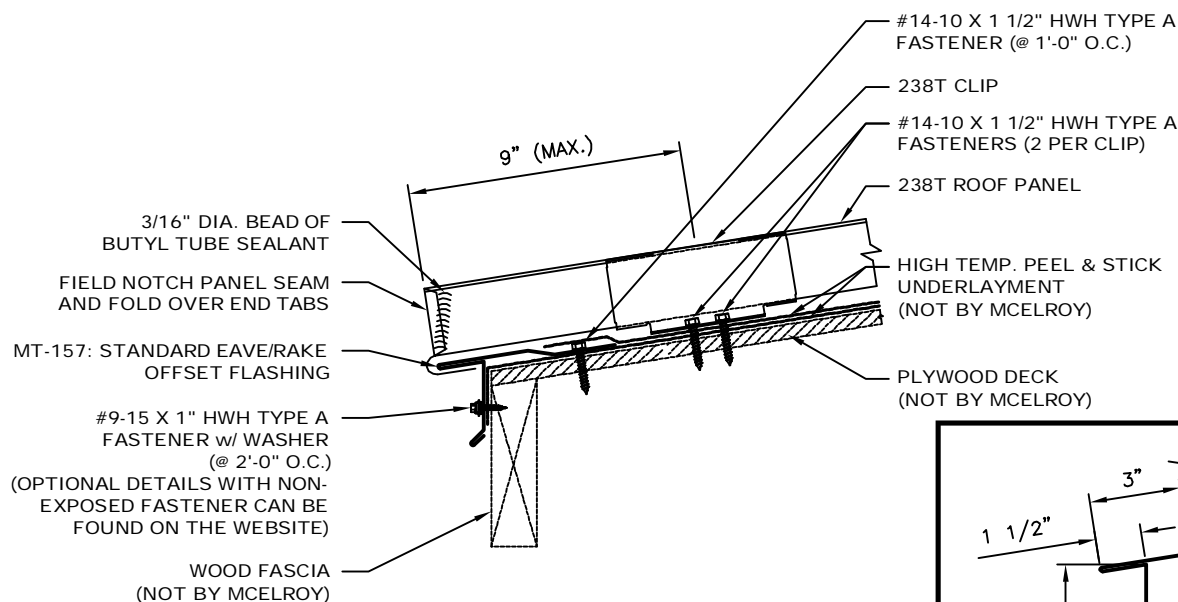
**CAUTION:** The use of any seaming machine or tools other than that recommended by the manufacturer, may damage the panels, void all warranties and will void all engineering data.



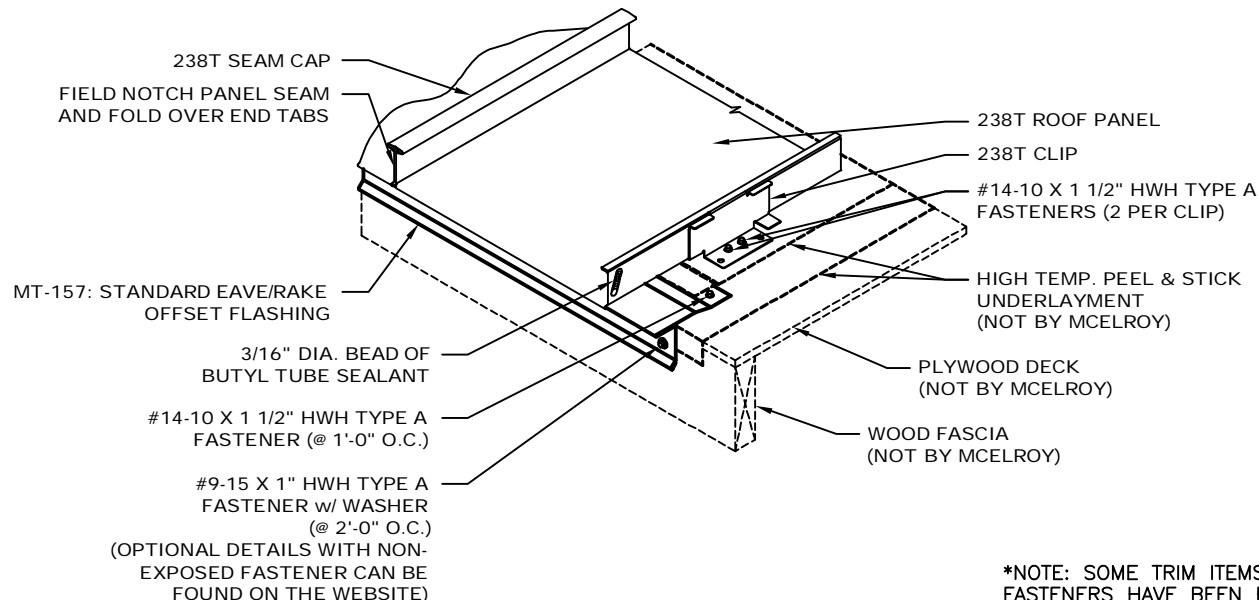
## BUTT JOINT METHOD



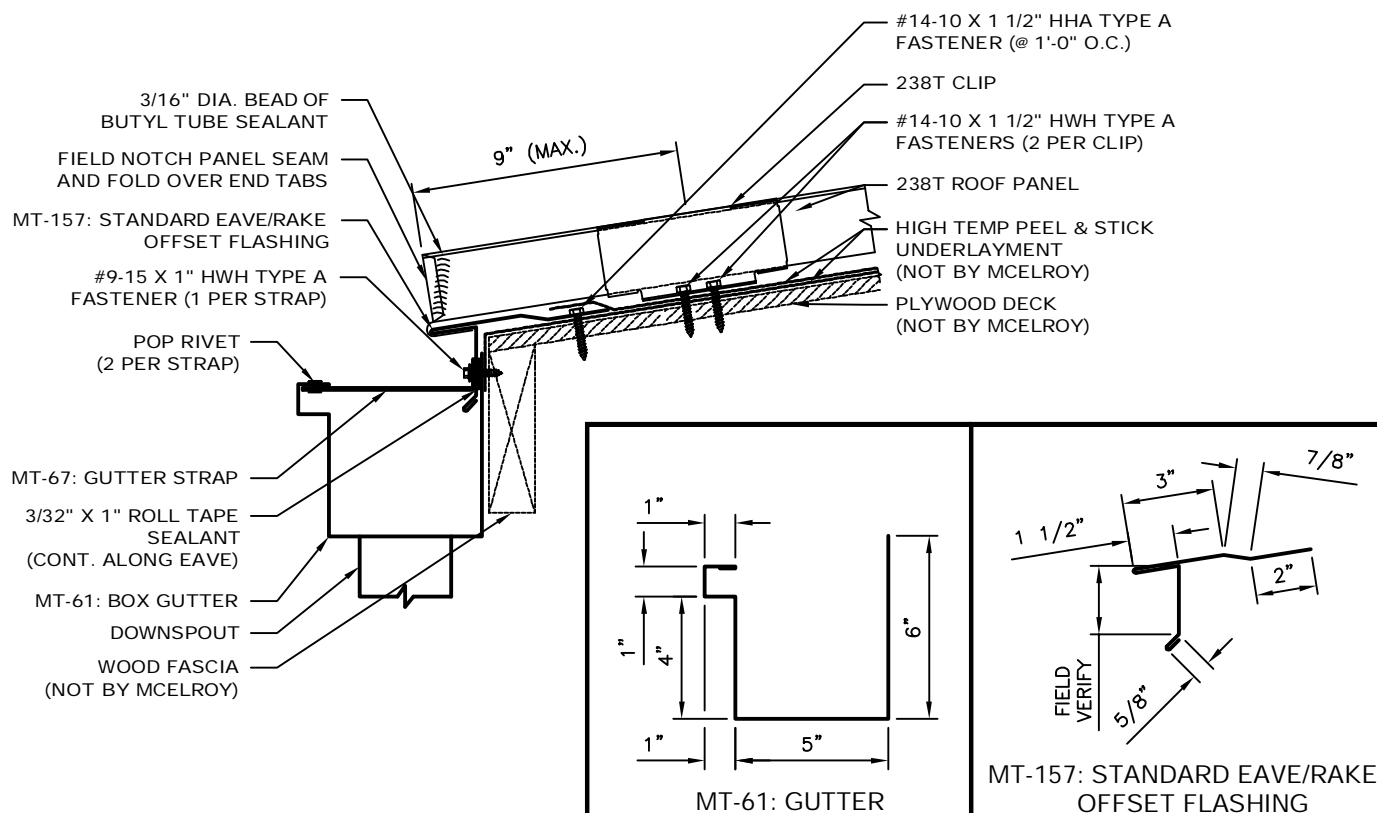
## LAPPING METHOD



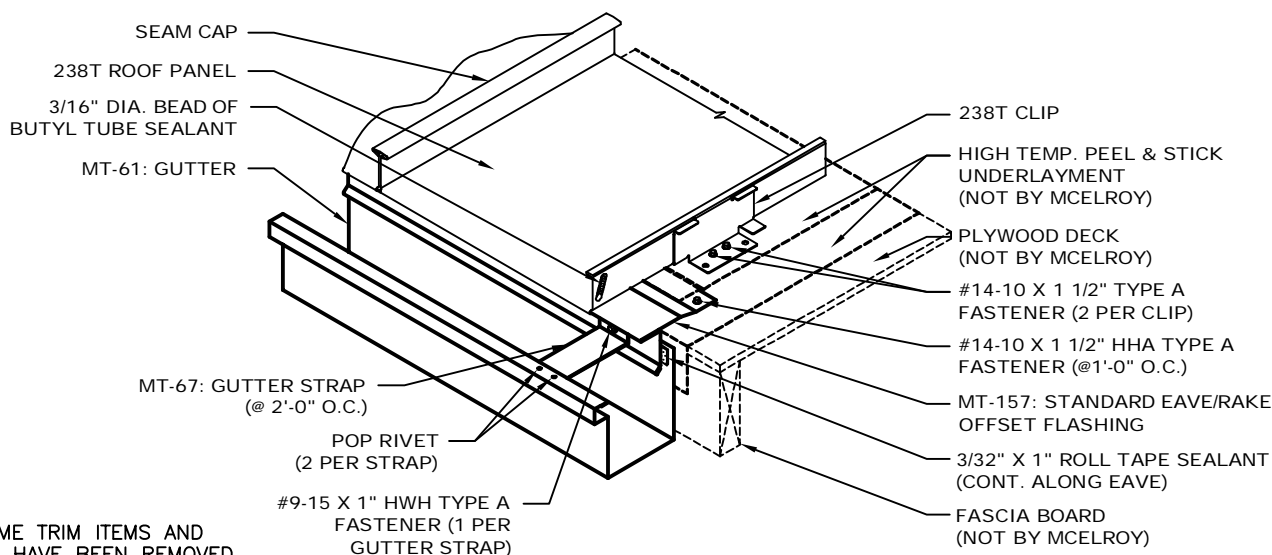
- NOTES:
1. MT-157 (Standard Eave/Rake Offset Flashing) to run from out of wall to out of wall.
  2. Attach MT-157 (Standard Eave/Rake Offset Flashing) to decking with #14-10 x 1 1/2" HWH Type A Fastener @ 1'-0" O.C.
  3. Attach MT-157 (Standard Eave/Rake Offset Flashing) to the Wood Fascia with #9-15 x 1" HWH Type A Fastener with Washer @ 2'-0" O.C.
  4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps.
  5. Place a 3/16" Dia. Bead of Butyl Tube Sealant to leading edge of 238T panel.
  6. Field Notch panel seam and fold over end tabs of panels.



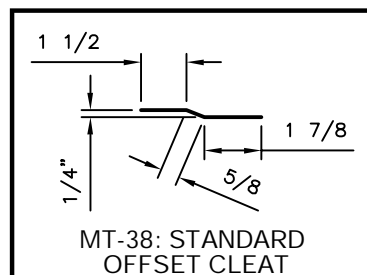
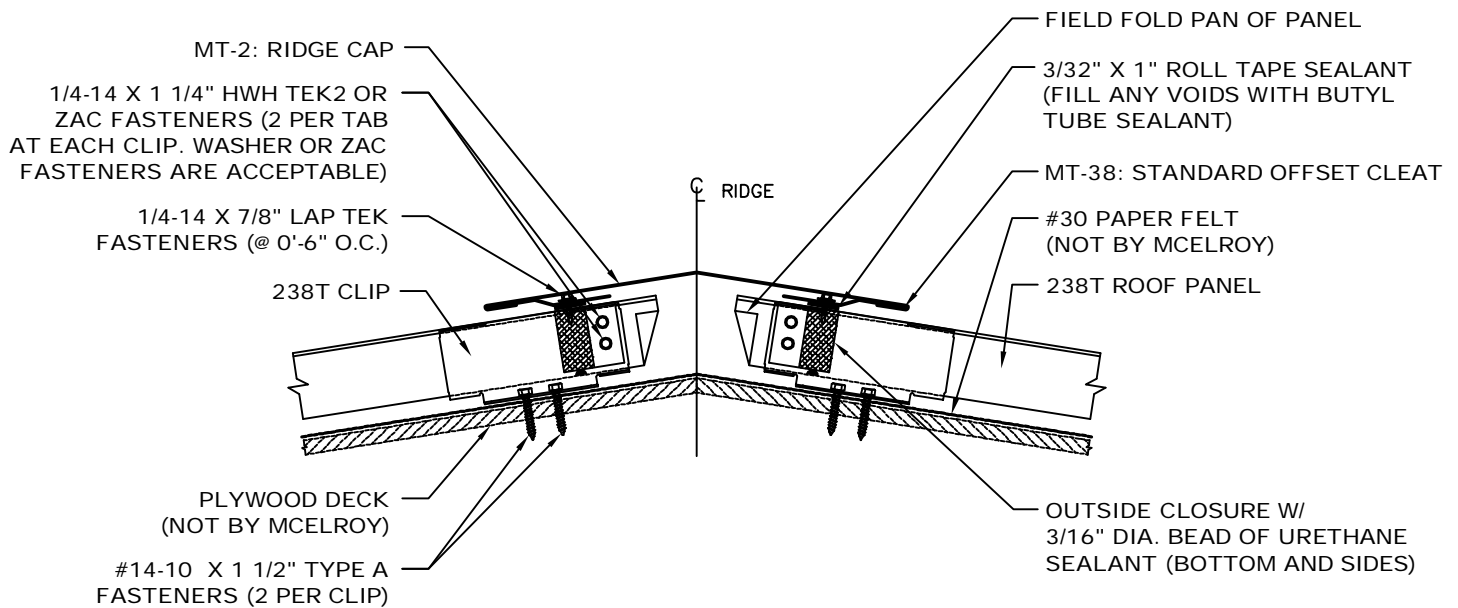
\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



- NOTES:
1. MT-157 (Standard Eave/Rake Offset Flashing) and MT-61 (Box Gutter) to run from out of wall to out of wall
  2. Apply a continuous bead of 3/32" x 1" Roll Tape Sealant to the inside vertical leg of the MT-61 (Gutter). Attach MT-67 (Gutter Straps) to Gutter with (2) Pop Rivets as shown in detail.
  3. Attach MT-157 (Standard Eave/Rake Offset Flashing) to decking with #14-10 x 1 1/2" HWH Type A Fastener @ 1'-0" O.C. Slide vertical leg of Gutter behind MT-157 (Standard Offset Eave Flashing) and fasten through MT-67 (Gutter Strap), MT-157 (Standard Eave/Rake Offset Flashing), Tape Sealant and Gutter with #9-15 x 1" HWH Type A Fastener into Fascia Board required Gutter Strap Spacing.
  4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps.
  5. Place a 3/16" Dia. Bead of Butyl Tube Sealant to leading edge of 238T panel.
  6. Field Notch panel seam and fold over end tabs of panels.

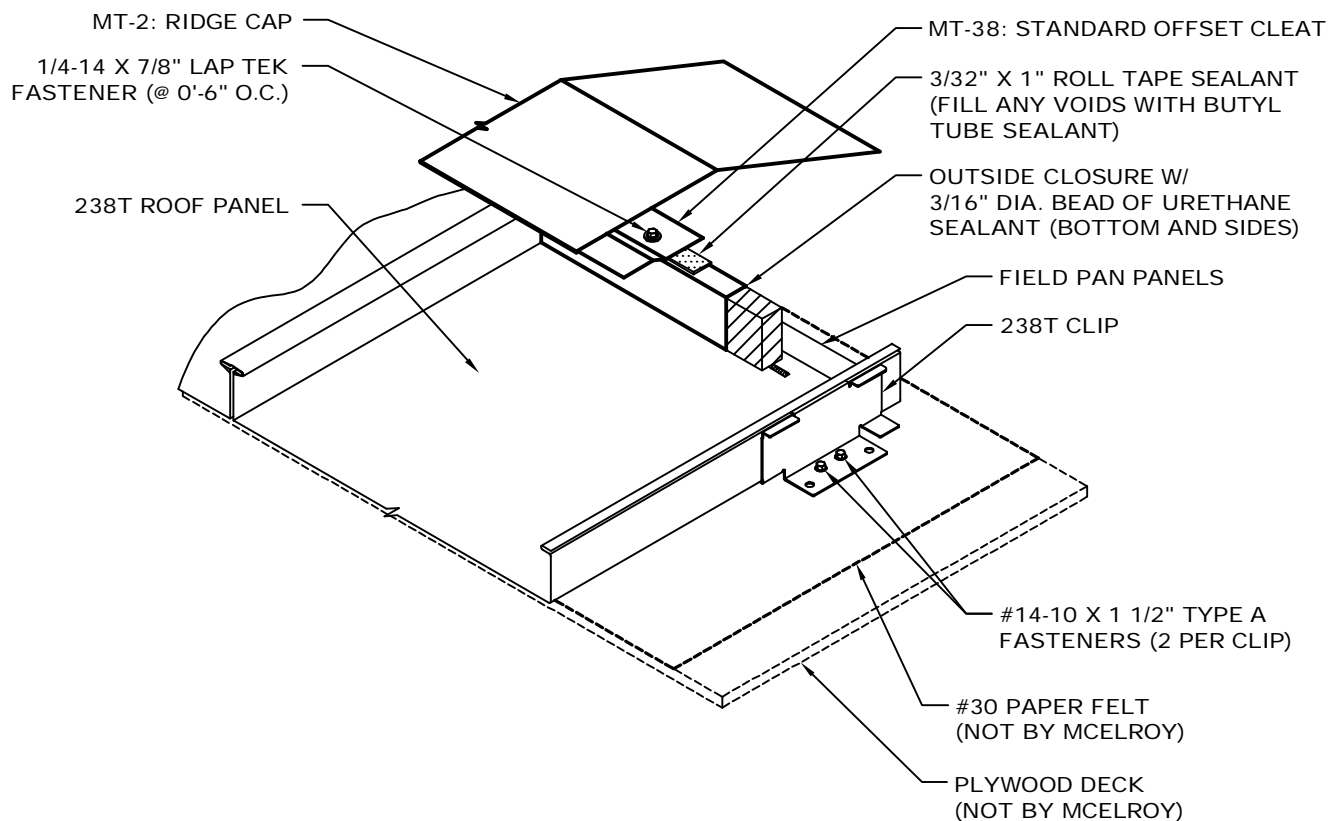


\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

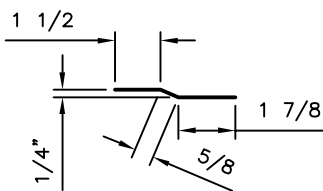


- NOTES: 1. MT-2 (Ridge Cap) and MT-38 (Standard Offset Cleat) to run from out of wall to out of wall.  
 2. Using a panning tool, fold up the pan of the panel at the ridge.  
 3. Install 238T panels and apply a 3/16" Dia. bead of Urethane Tube Sealant in the pan of the panel and up the the vertical legs where the foam closure will be placed.  
 4. Install Metal Closure Cover over the Foam Closure and secure to panel with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners, making sure to fasten through the clip to provide fixed point.  
 5. MT-2 (Ridge Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

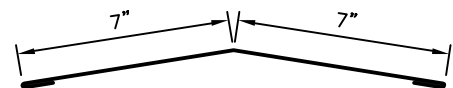




\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

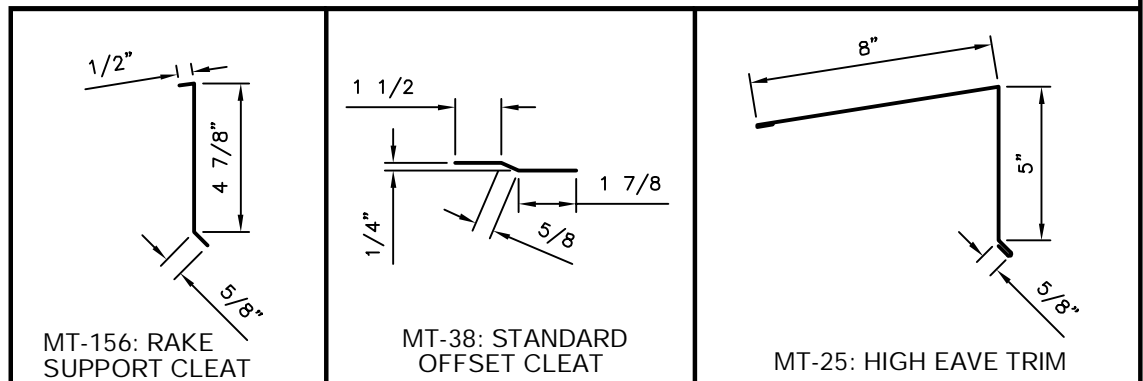


MT-38: STANDARD OFFSET CLEAT



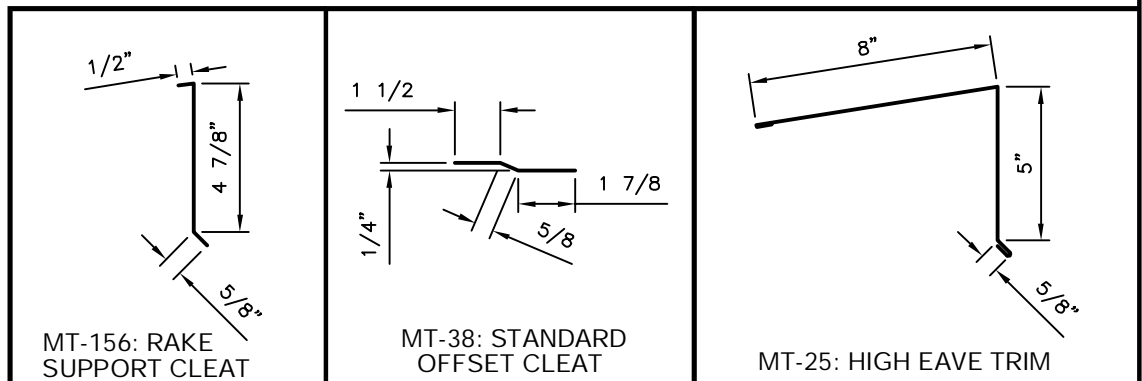
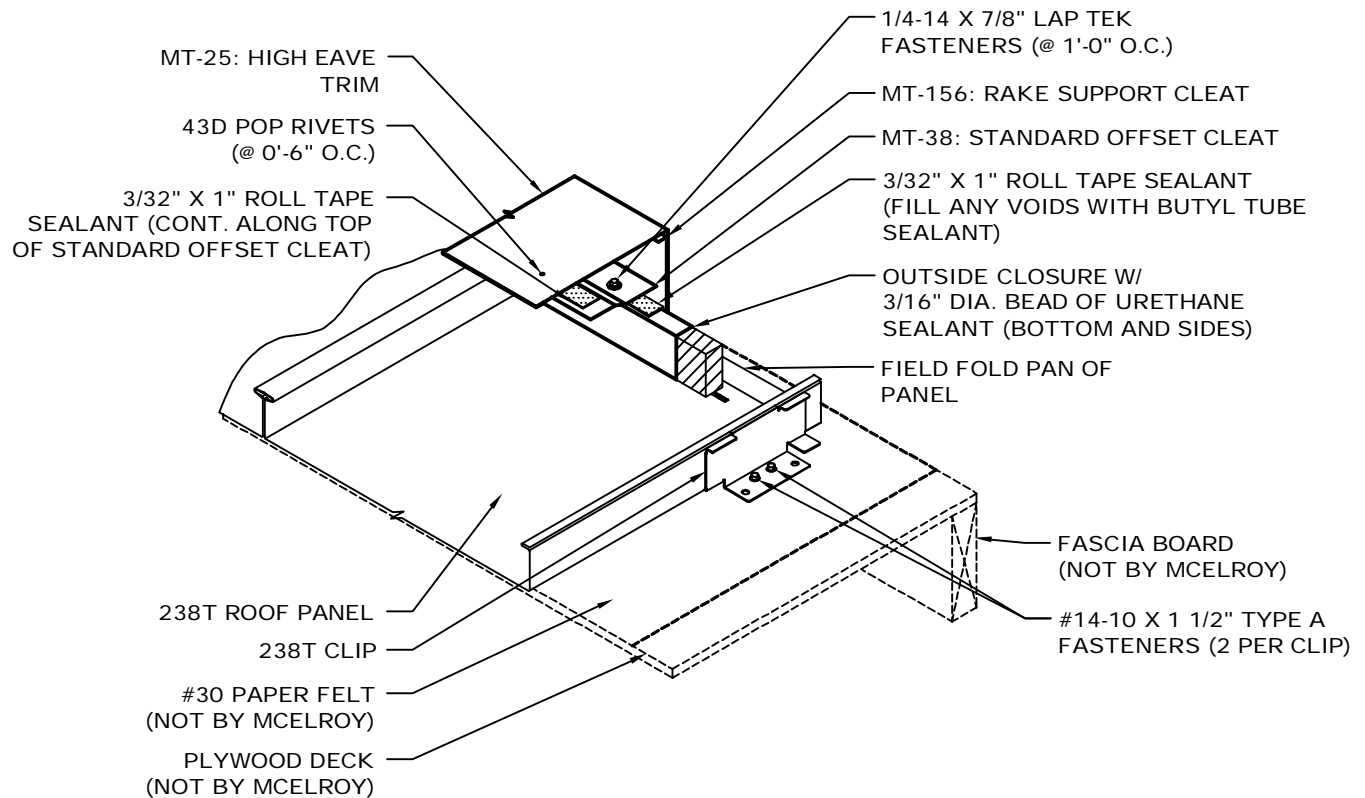
MT-2: RIDGE CAP

- NOTES:
1. MT-2 (Ridge Cap) and MT-38 (Standard Offset Cleat) to run from out of wall to out of wall.
  2. Using a panning tool, fold up the pan of the panel at the ridge.
  3. Install 238T panels and apply a 3/16" Dia. bead of Urethane Tube Sealant in the pan of the panel and up the the vertical legs where the foam closure will be placed.
  4. Install Metal Closure Cover over the Foam Closure and secure to panel with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners, making sure to fasten through the clip to provide fixed point.
  5. MT-2 (Ridge Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

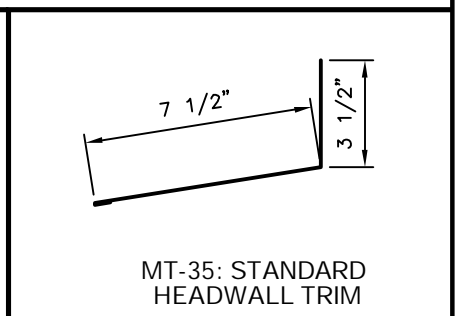
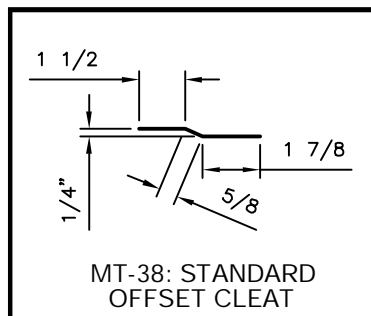
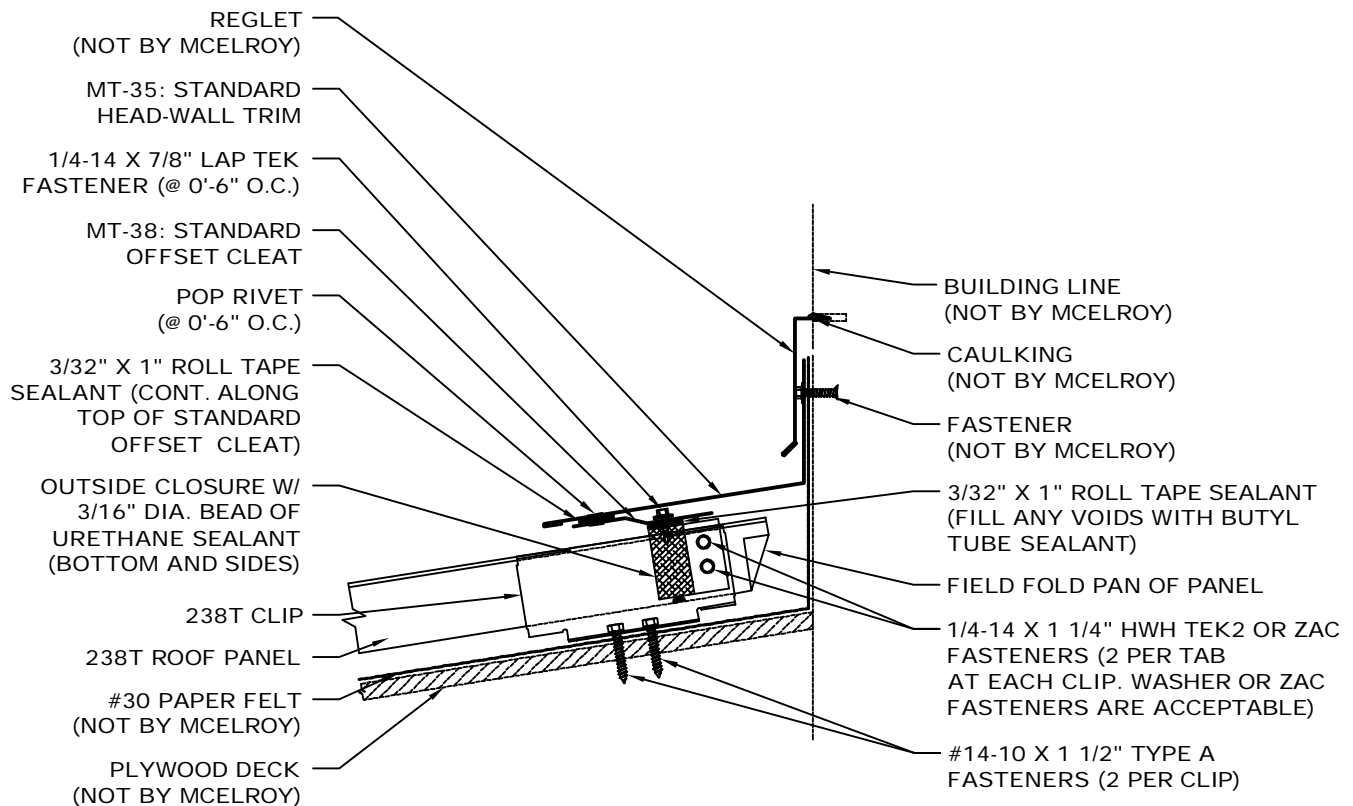


- 
- McELROY  
METAL**

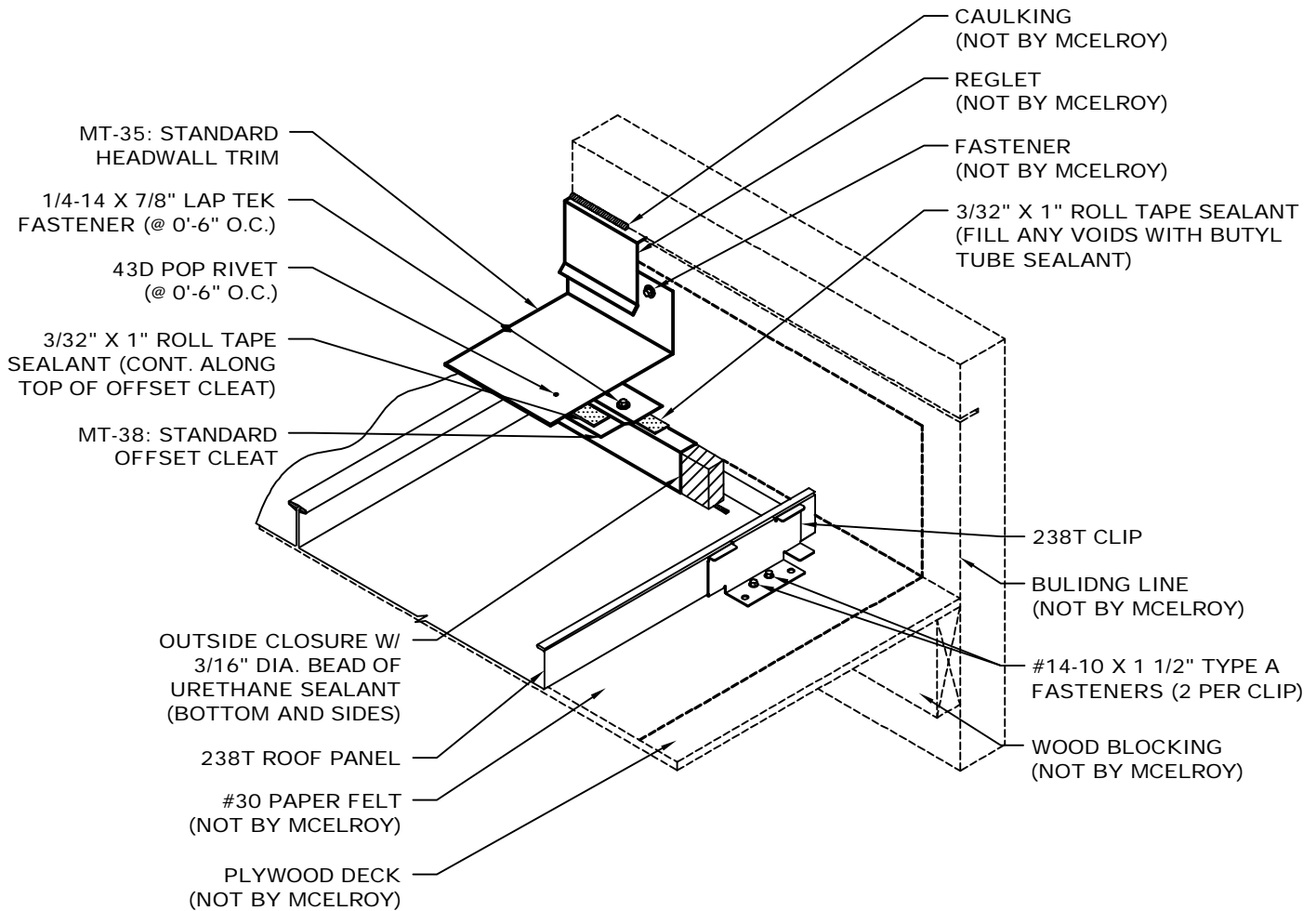
\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



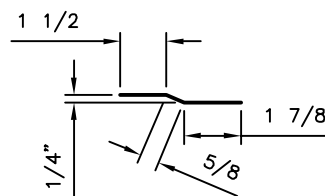
- NOTES: 1. MT-25 (High Eave Trim), MT-156 (Rake Support Cleat) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Attach MT-156 (Rake Support Cleat) to fascia board with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.
3. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point. Attach 1/4" Offset Cleat to Outside Closures with 1/4-14 x 7/8" Lap Tek fasteners at 1'-0" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the MT-38 (Standard Offset Cleat).
5. High Eave Flashing to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. Offset Cleat will butt joint.



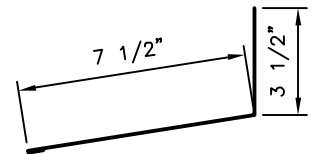
- NOTES: 1. MT-35 (Standard Headwall Trim) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Metal Outside Closure. Attach 1/4" Offset Cleat to Outside Closure with 1/4-14 x 7/8" Lap Tek Fasteners at 0'-6" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Offset Cleat.
5. MT-35 (Standard Headwall Trim) to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. MT-38 (Standard Offset Cleat) will butt joint.



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

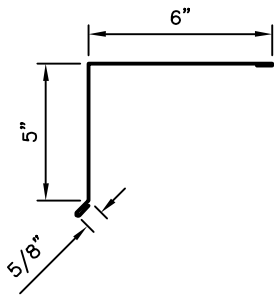
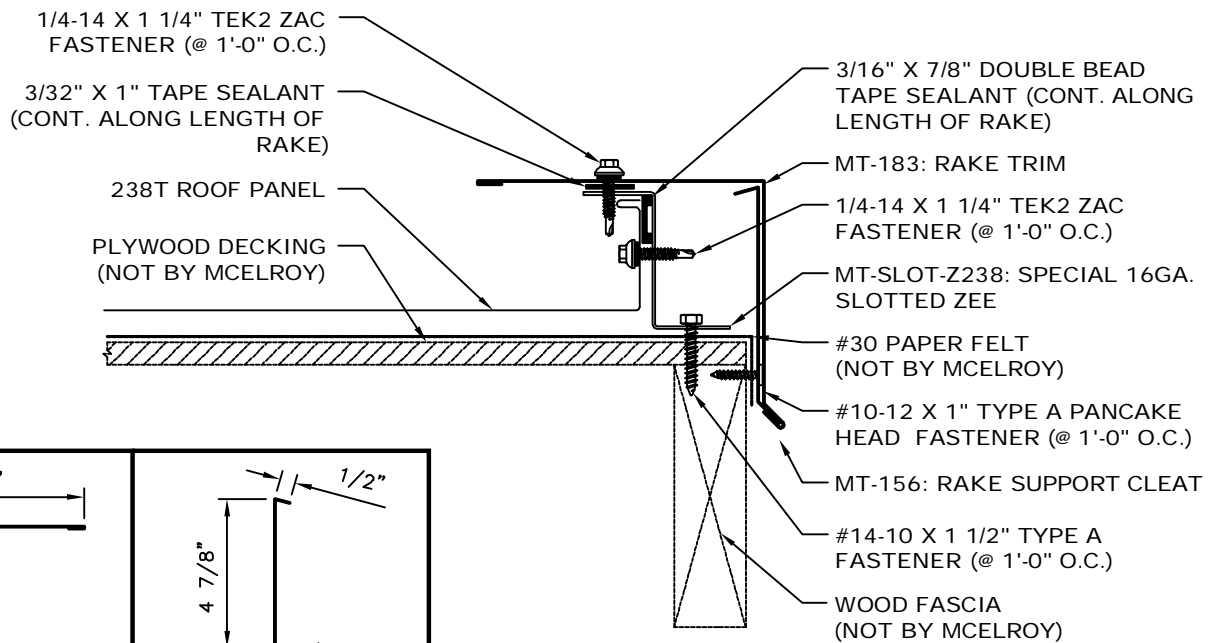


MT-38: STANDARD  
OFFSET CLEAT

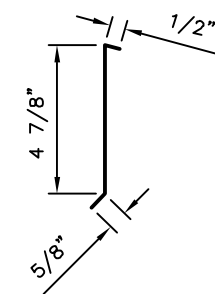


MT-35: STANDARD  
HEADWALL TRIM

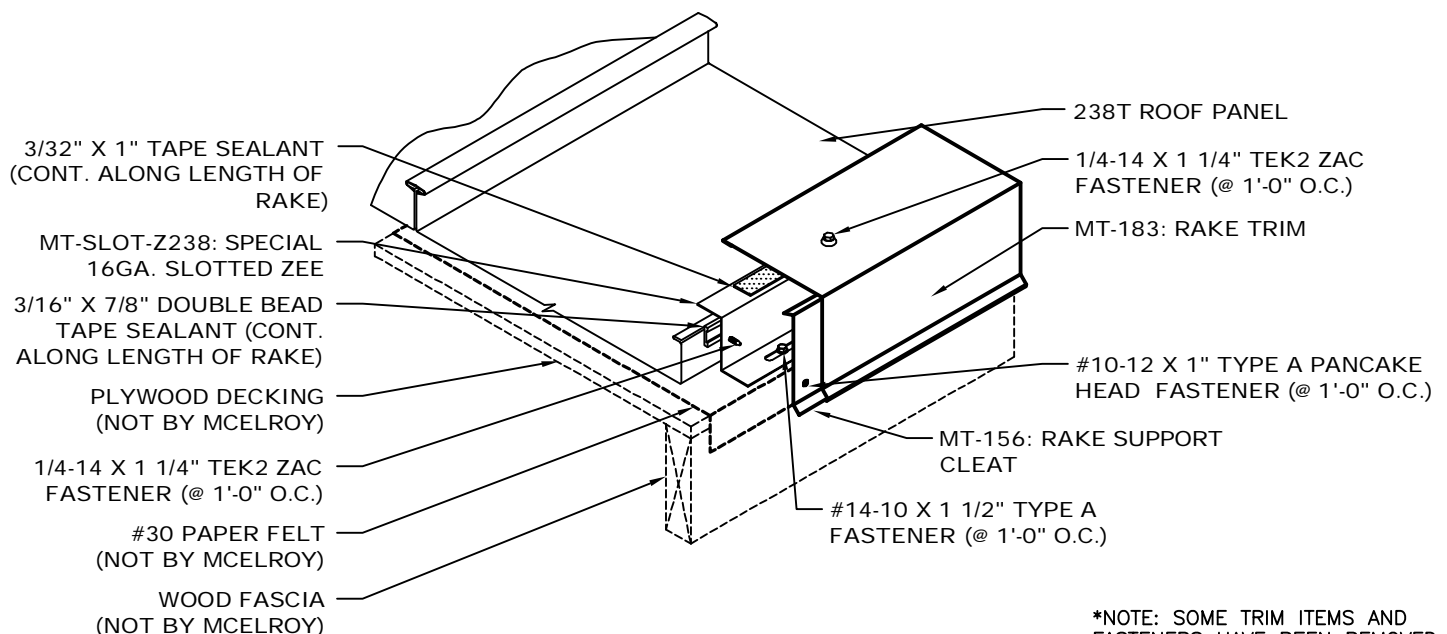
- NOTES: 1. MT-35 (Standard Headwall Trim) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Metal Outside Closure. Attach 1/4" Offset Cleat to Outside Closure with 1/4-14 x 7/8" Lap Tek Fasteners at 0'-6" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Offset Cleat.
5. MT-35 (Standard Headwall Trim) to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. MT-38 (Standard Offset Cleat) will butt joint.



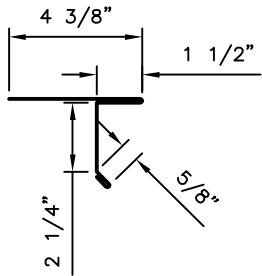
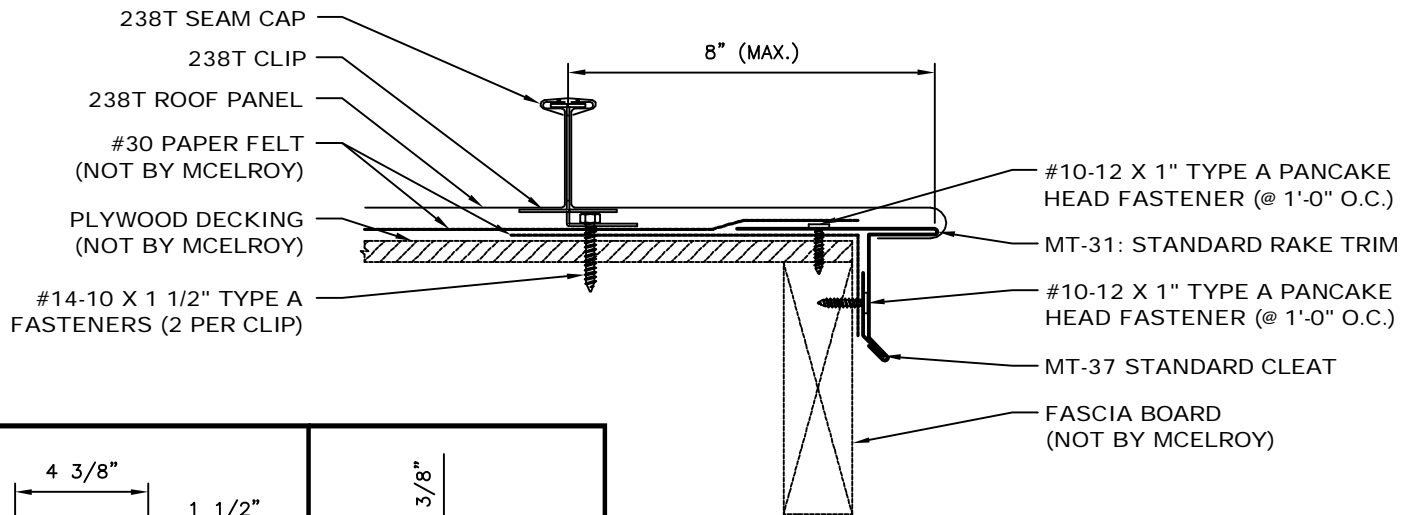
MT-183: RAKE TRIM

MT-156: RAKE  
SUPPORT CLEAT

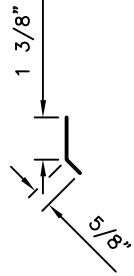
- NOTES: 1. MT-183 (Rake Trim), MT-156 (Rake Support Cleat) and MT-SLOT-Z238 (Special 16ga. Slotted Zee) to run from eave to ridge.
2. Attach MT-SLOT-Z238 (Special 16ga. Slotted Zee) to decking with #14-10 x 1 1/2" HWH Type A Fasteners at 1'-0" O.C.
3. Apply a continuous bead of 3/16" x 7/8" Double Bead Tape Sealant to the vertical leg of the 238T panel. Install 238T panel and hold in place on the Slotted Zee with clamps. Fasten panel to Slotted Zee with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
4. Apply a continuous bead of 3/32" x 1" Roll Tape Sealant to the top of the Slotted Zee and attach MT-183 (Rake Trim) with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Fasten to trims.



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

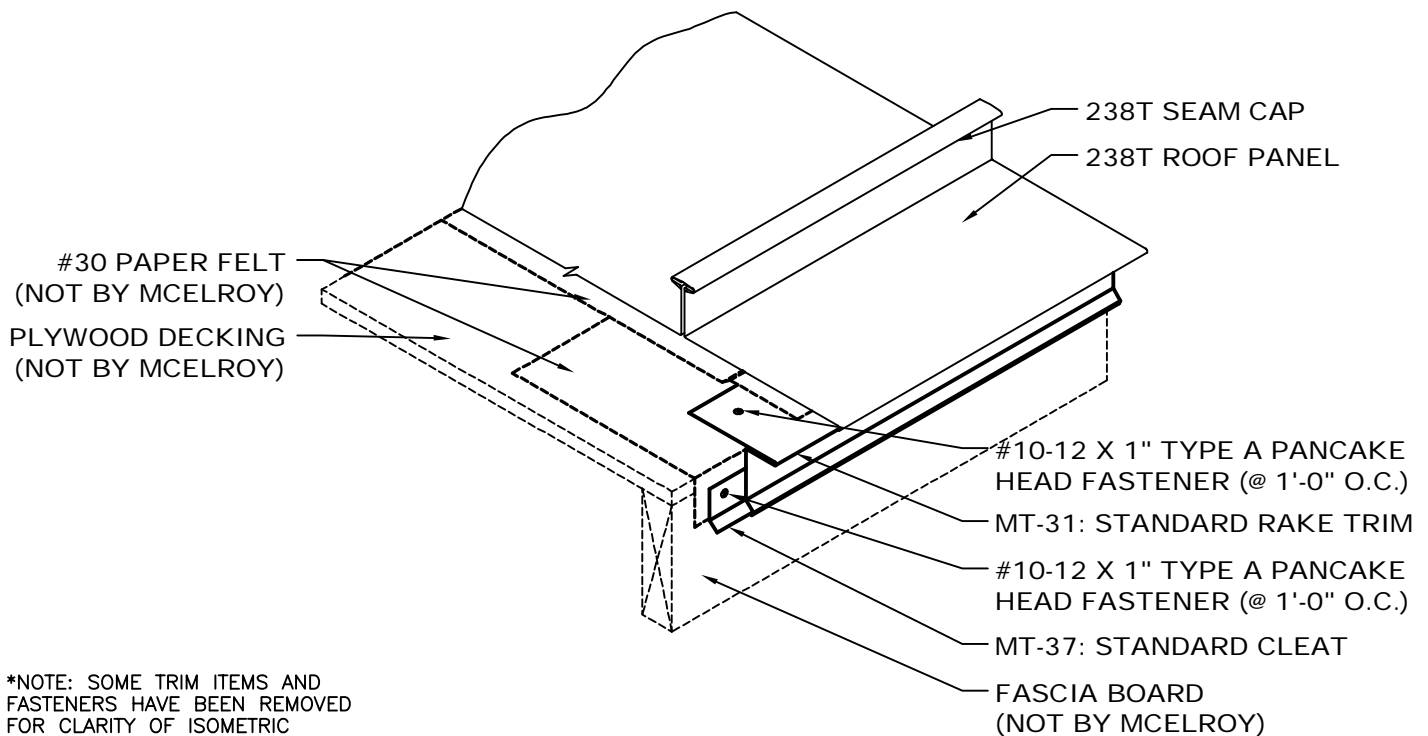


MT-31: STANDARD  
RAKE TRIM

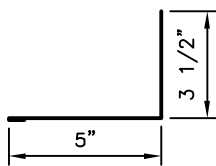
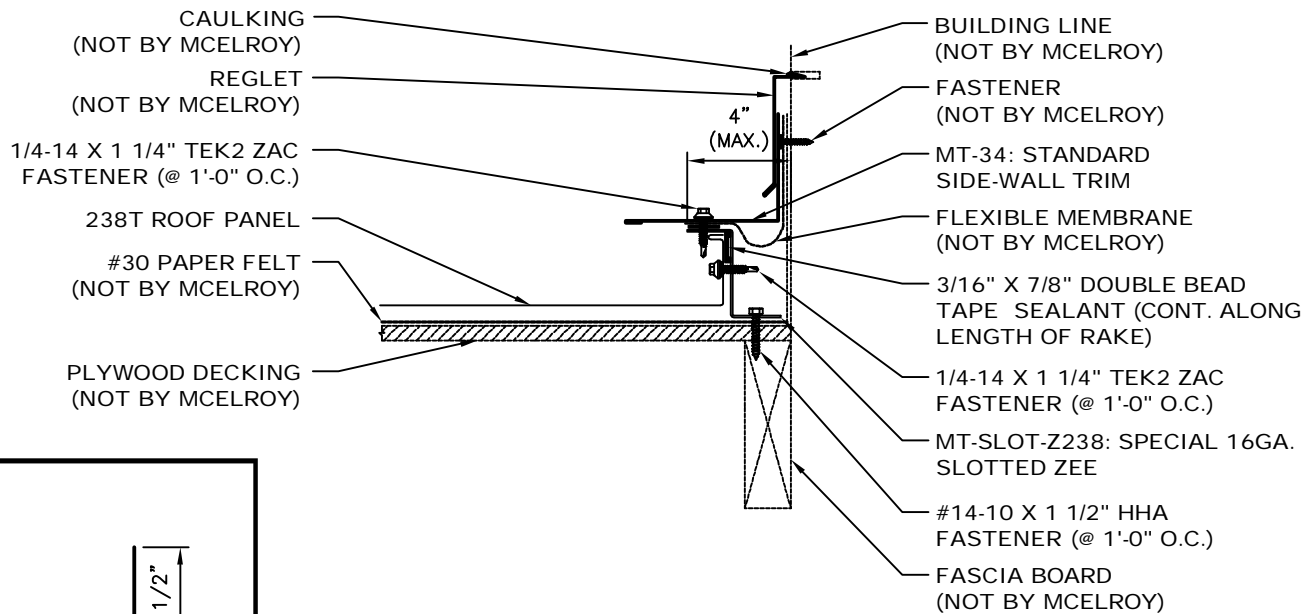


MT-37: STANDARD  
CLEAT

- NOTES: 1. MT-31 (Rake Trim) and MT-37 (Standard Cleat) to run from eave to ridge.  
 2. Attach MT-37 (Standard Cleat) to Fascia Board with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.  
 3. Attach MT-31 (Rake Trim) to MT-37 (Standard Cleat) and fasten to Plywood Decking with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.  
 4. Field cut leading edge of panel and fold panel down 180°.

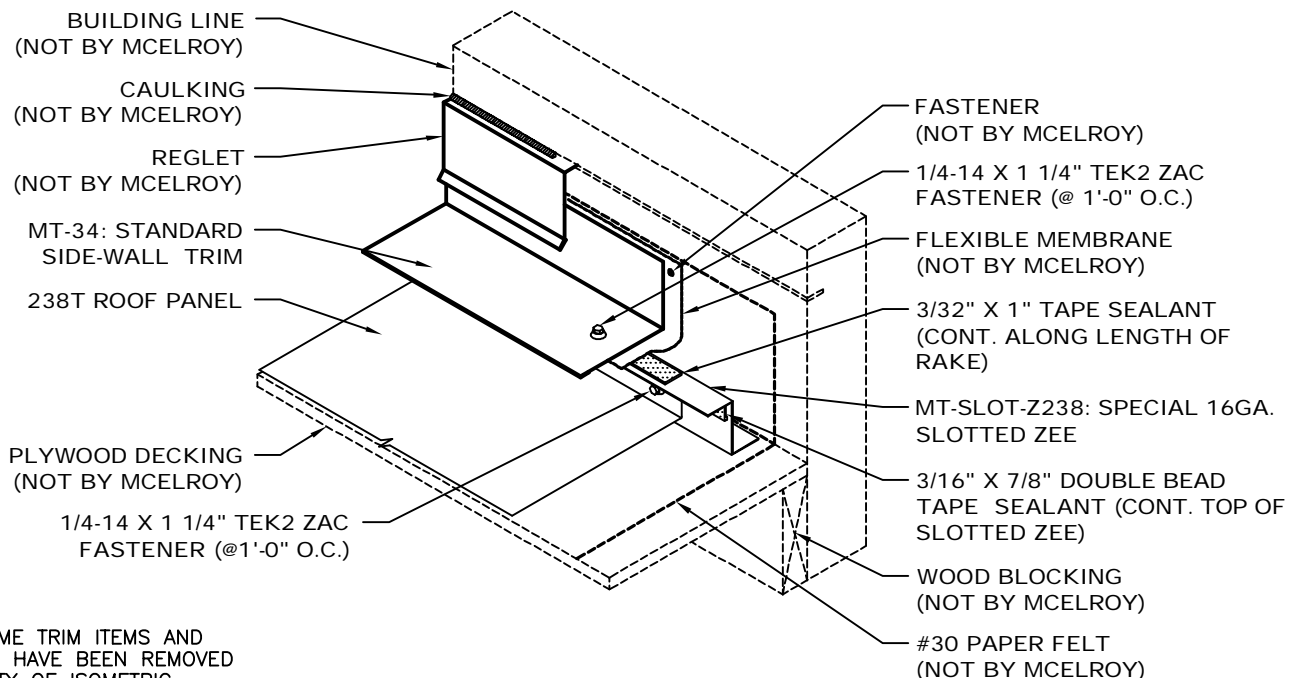


\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



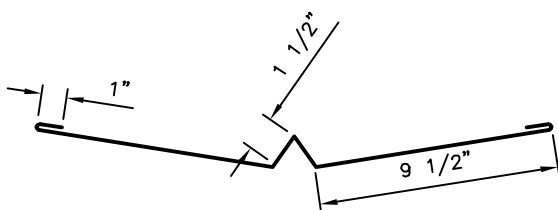
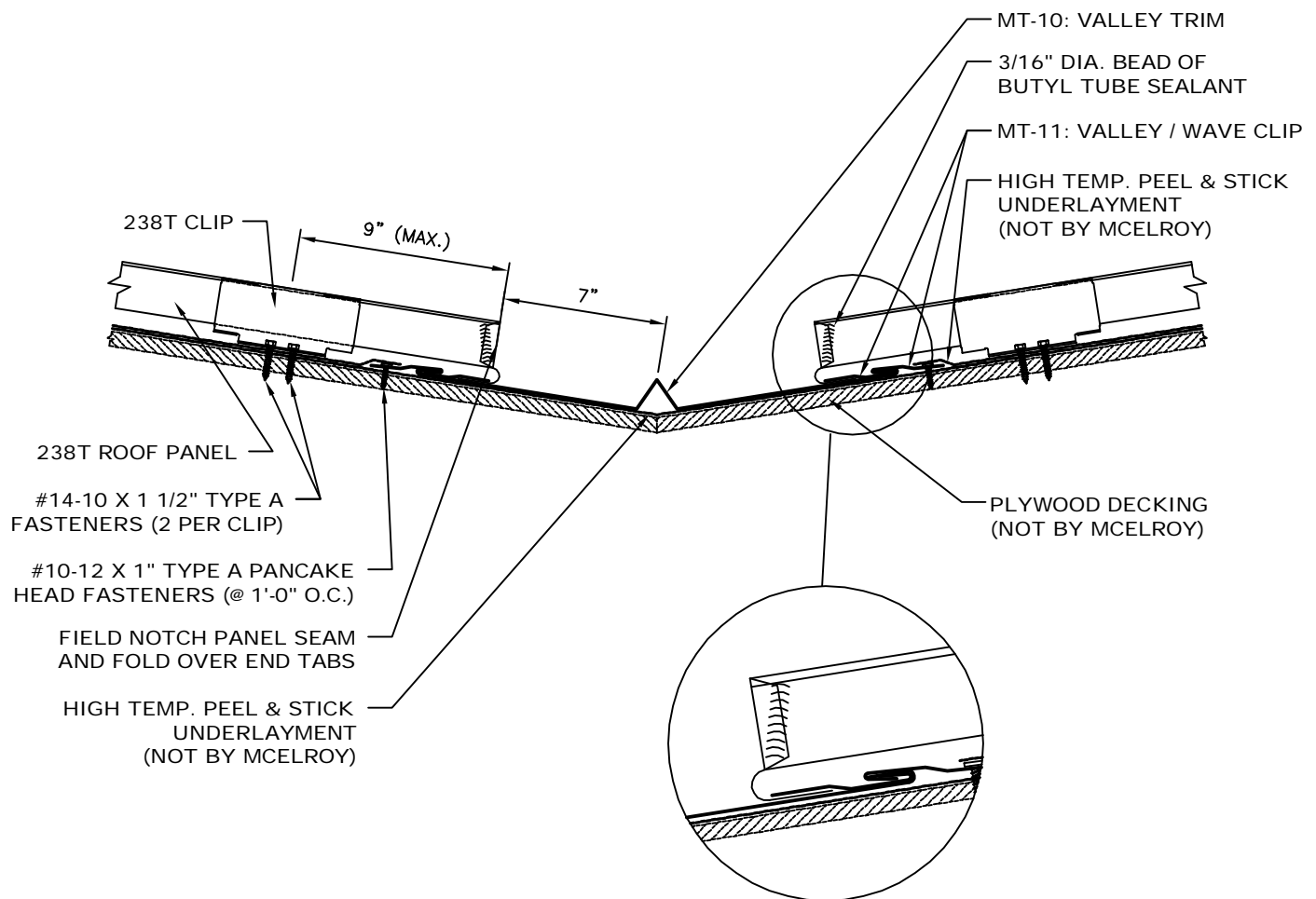
MT-34: STANDARD  
SIDE-WALL TRIM

- NOTES:
1. MT-34 (Standard Side-Wall Trim) to run from Eave to Ridge.
  2. Attach MT-SLOT-Z238 (Special 16ga. Slotted Zee) to decking with #14-10 x 1 1/2" HWH Type A Fasteners at 1'-0" O.C.
  3. Apply a continuous run of 3/16" x 7/8" Double Bead Tape Sealant to the vertical leg of the 238T panel. Install 238T panel and hold in place on the Slotted Zee with clamps. Fasten panel to Slotted Zee with 1/4-14 x 1 1/4" Tek2 Zac Fasteners at 1'-0" O.C.
  4. Apply a continuous run of 3/32" x 1" Roll Tape Sealant to the top of the Slotted Zee and attach MT-34 (Standard Side-Wall Trim) with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
  5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Fasten to trims.

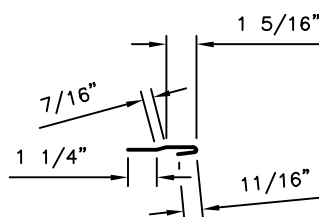


\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



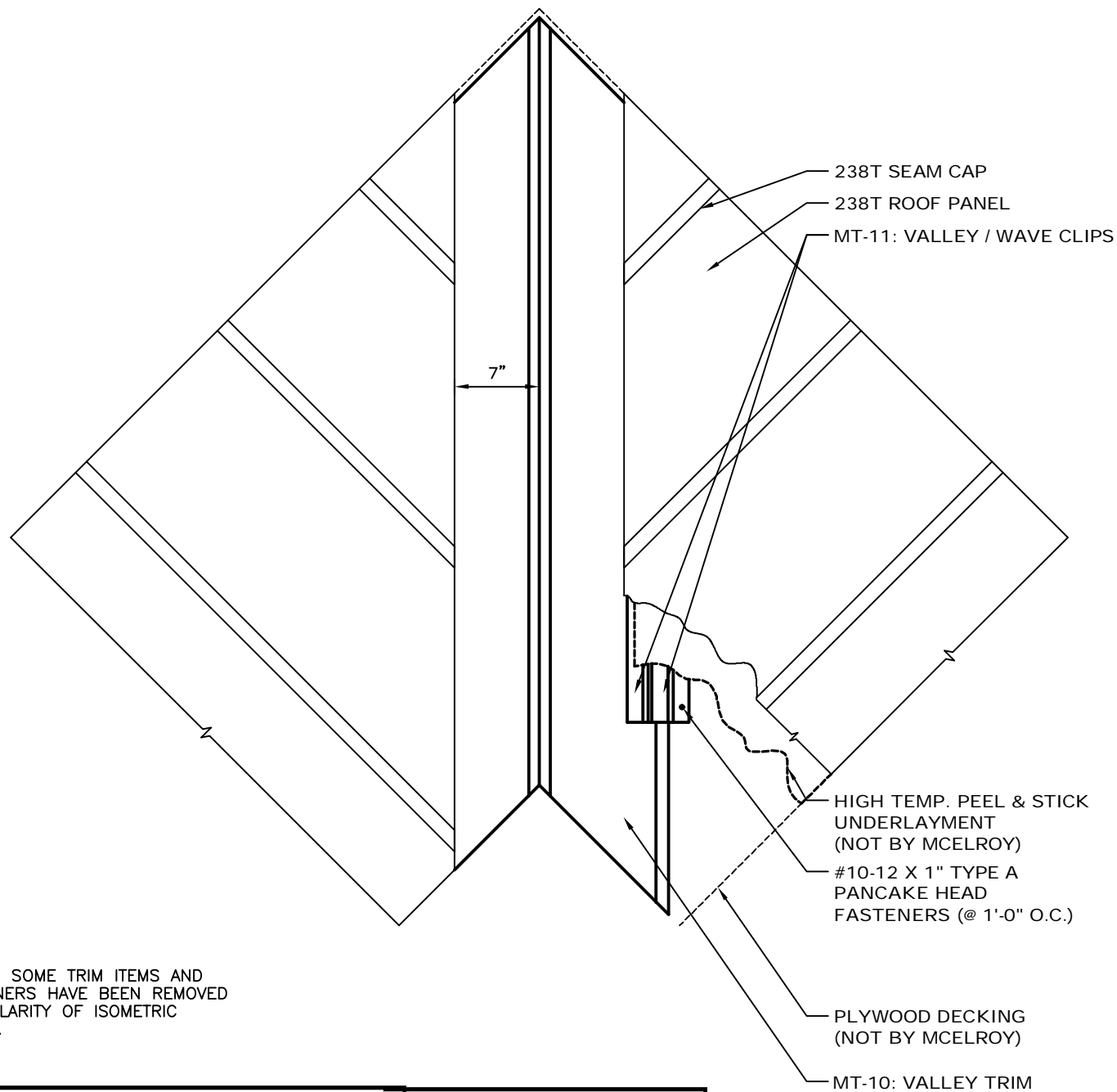


MT-10: VALLEY TRIM

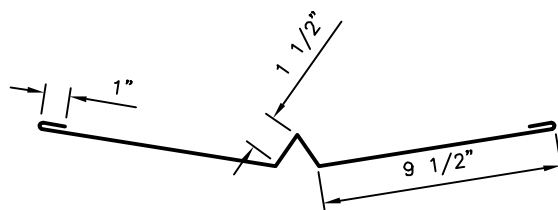


MT-11: VALLEY / WAVE CLIP

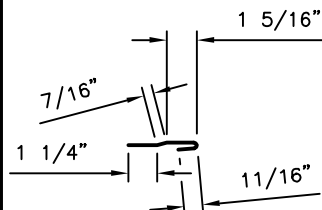
- NOTES:
1. Install MT-10 (Valley Trim) from eave to ridge. MT-10 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
  2. Cut panels at required bevel for valley condition.
  3. Attach MT-11 (Valley / Wave Clip) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.



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

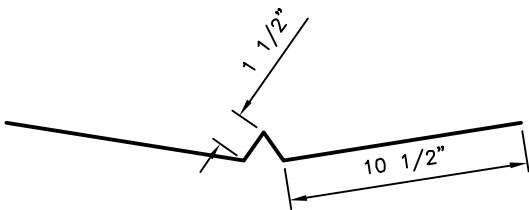
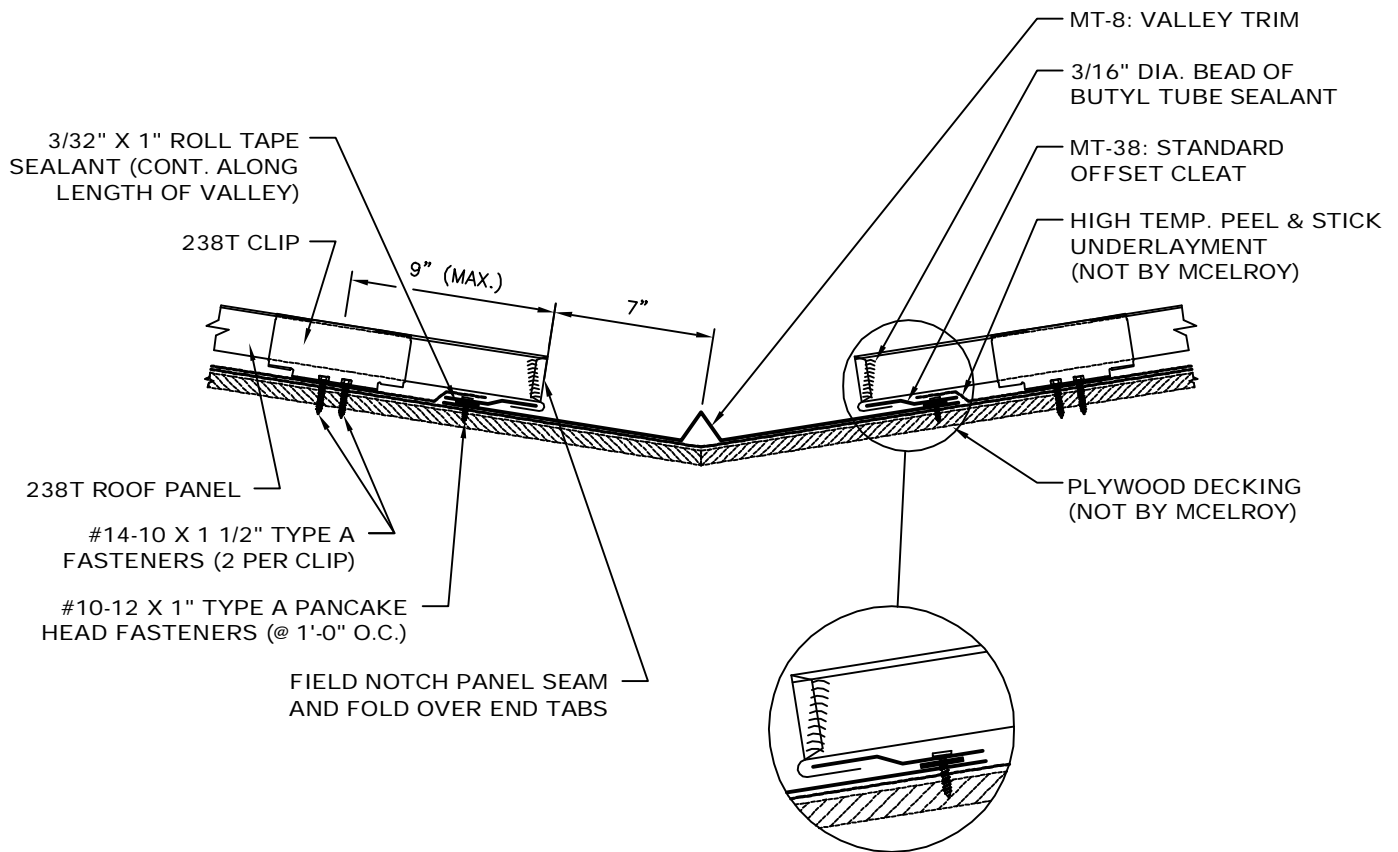


MT-10: VALLEY TRIM

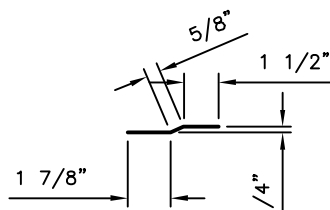


MT-11: VALLEY / WAVE CLIP

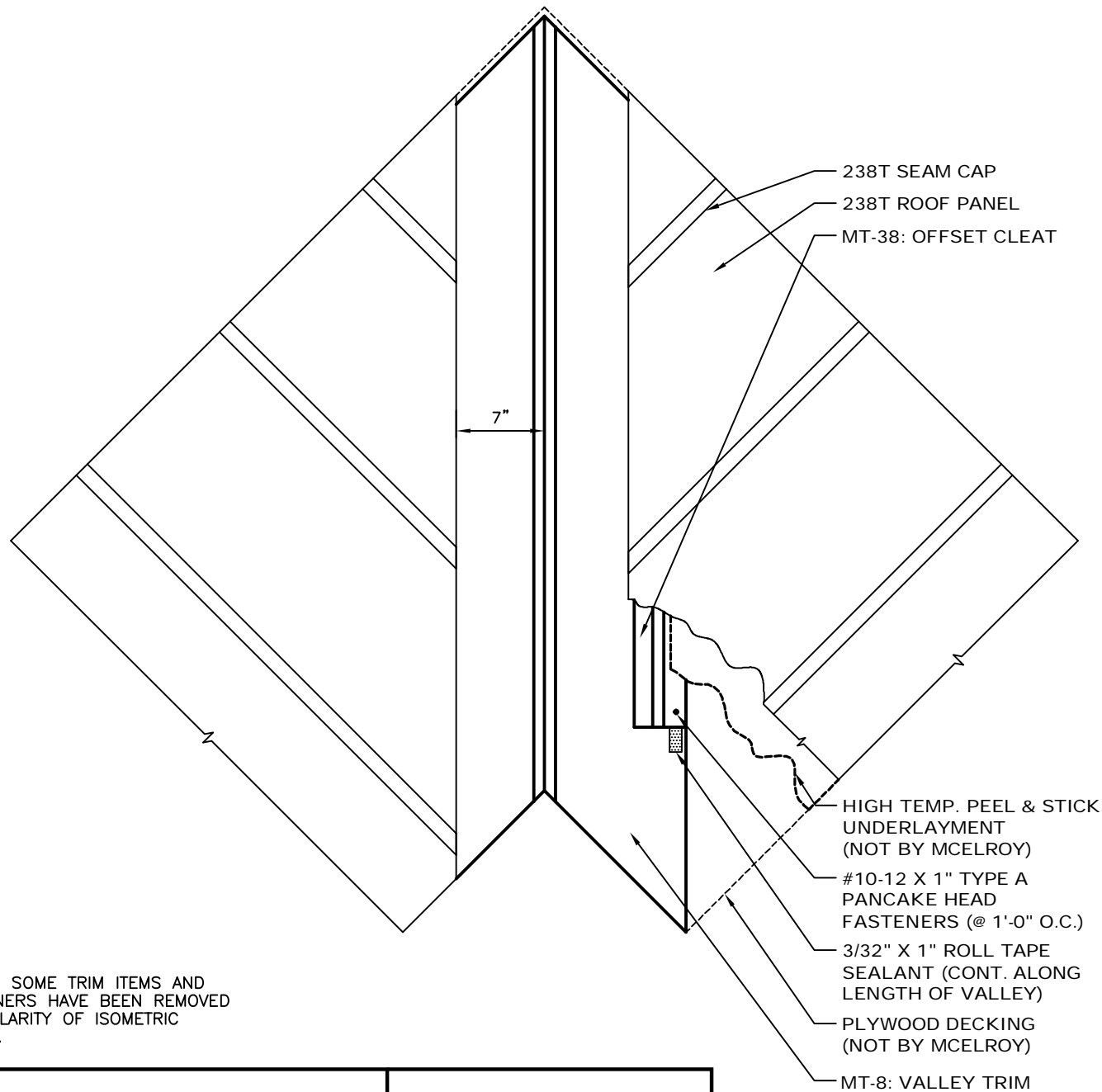
- NOTES: 1. Install MT-10 (Valley Trim) from eave to ridge. MT-10 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Attach MT-11 (Valley / Wave Clip) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.



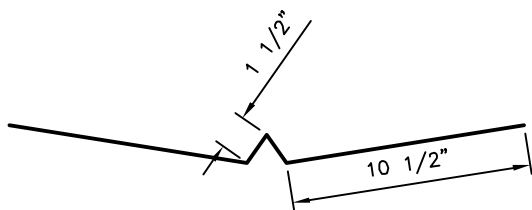
MT-8: VALLEY TRIM

MT-38: STANDARD  
OFFSET CLEAT

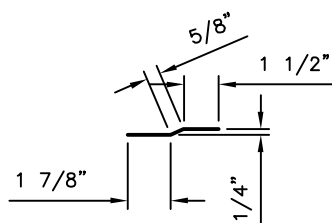
- NOTES: 1. Install MT-8 (Valley Trim) from eave to ridge. MT-8 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant up both sides of MT-8 (Valley Trim).
4. Install MT-38 (Standard Offset Cleat) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.



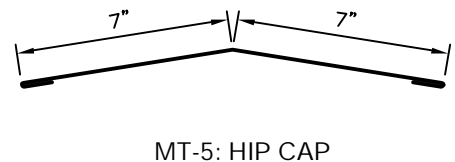
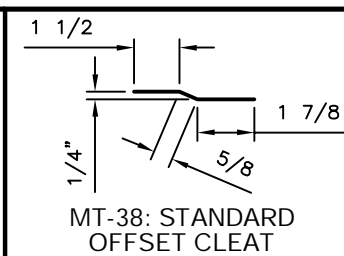
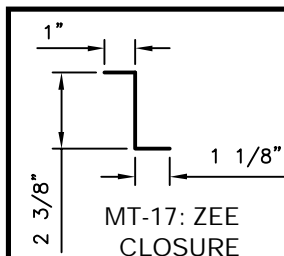
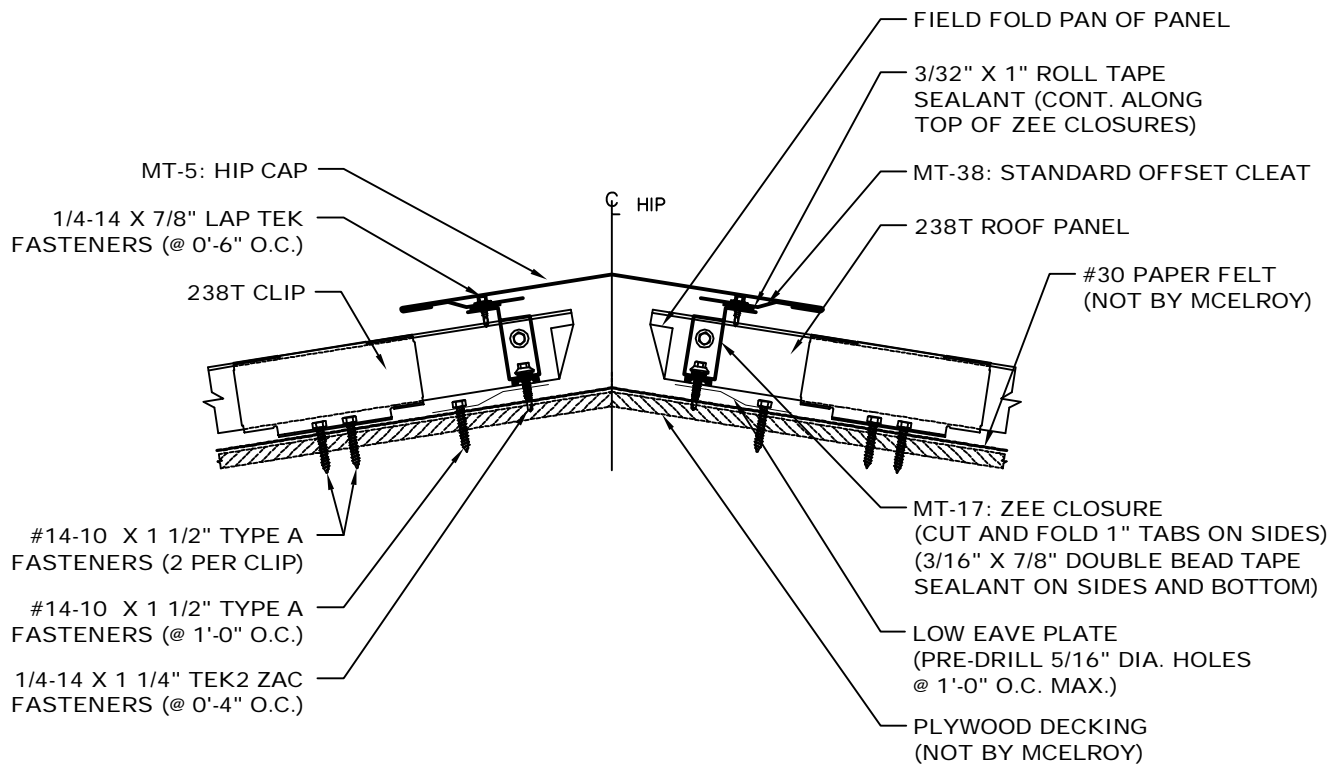
\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



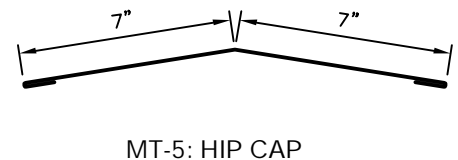
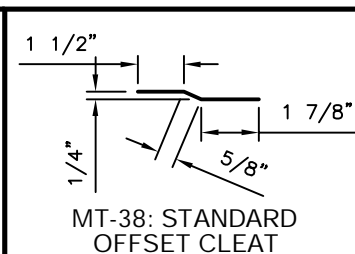
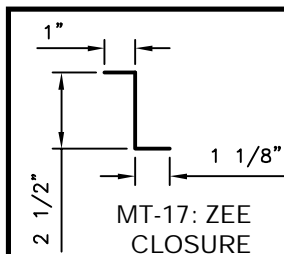
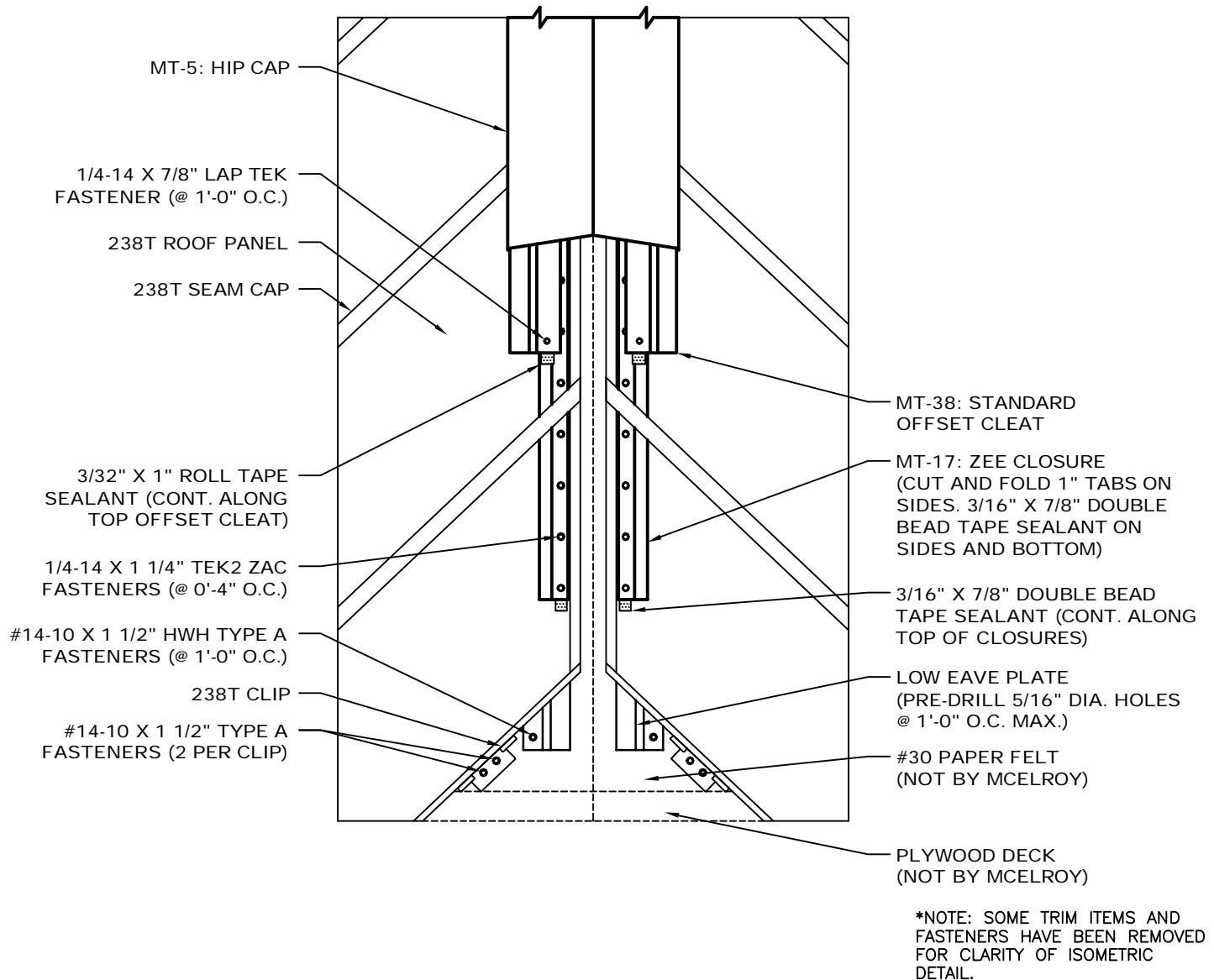
MT-8: VALLEY TRIM

MT-38: STANDARD  
OFFSET CLEAT

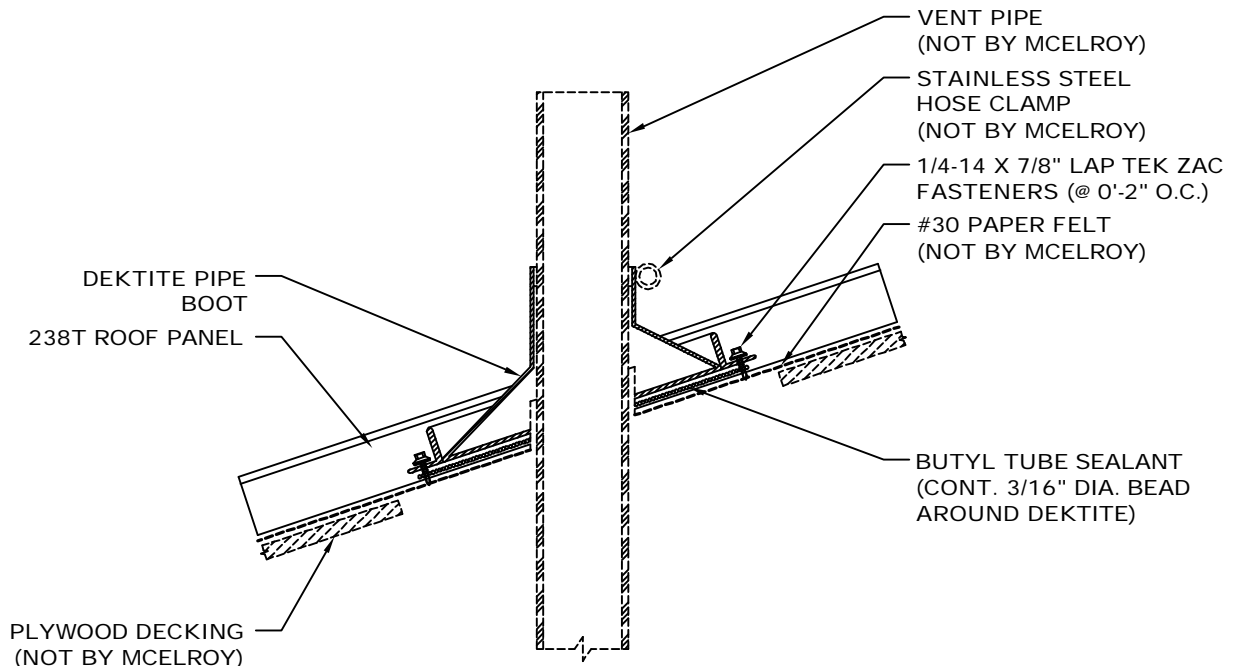
- NOTES: 1. Install MT-8 (Valley Trim) from eave to ridge. MT-8 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant up both sides of MT-8 (Valley Trim).
4. Attach MT-38 (Standard Offset Cleat) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.



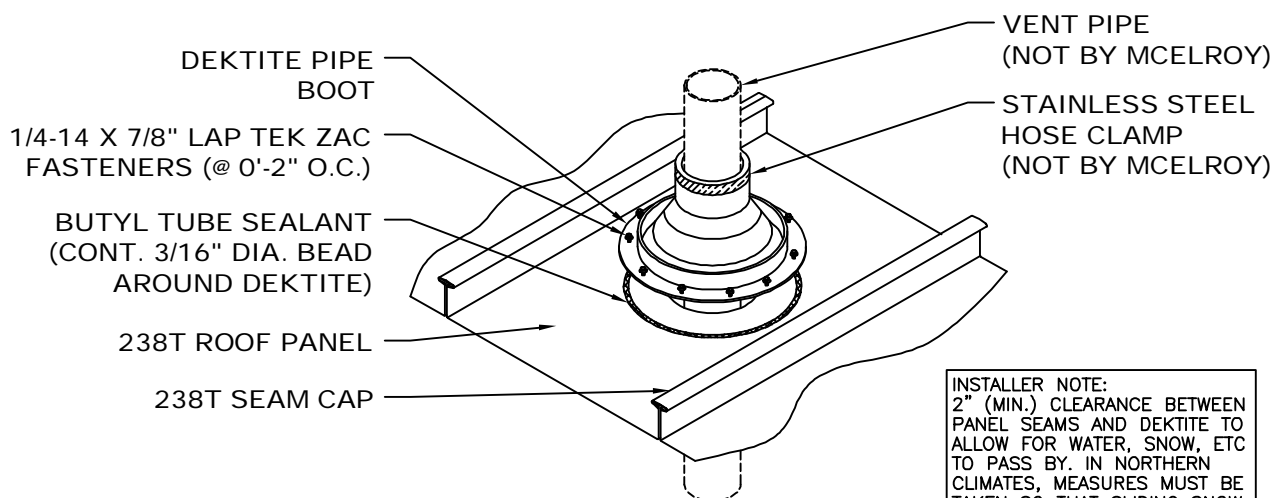
- NOTES: 1. MT-5 (Hip Cap) to run from Eave to Ridge. MT-38 (Standard Offset Cleat) to run from Ridge to Eave.  
 2. Using a panning tool, fold up the pan of the panel at the Hip.  
 3. Install 238T panels as directed in this manual.  
 4. Cut individual Zee Closures with 1" Side Tabs from the MT-17 (Zee Closure). Apply a 3/16" x 7/8" Double Bead Tape Sealant to the bottom and sides of Zee Closures and install 2" down from end of panel. Fasten with 1/4-14 x 1 1/4" Tek2 ZAC fasteners at 0'-4" (Max.).  
 5. MT-5 (Hip Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.



- NOTES: 1. MT-5 (Hip Cap) to run from Eave to Ridge. MT-38 (Standard Offset Cleat) to run from Ridge to Eave.
2. Using a panning tool, fold up the pan of the panel at the Hip.
3. Install 238T panels as directed in this manual.
4. Cut individual Zee Closures with 1" Side Tabs from the MT-17 (Zee Closure). Apply a 3/16" x 7/8" Double Bead Tape Sealant to the bottom and sides of Zee Closures and install 2" down from end of panel. Fasten with 1/4-14 x 1 1/4" Tek2 ZAC fasteners at 0'-4" (Max.).
5. MT-5 (Hip Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

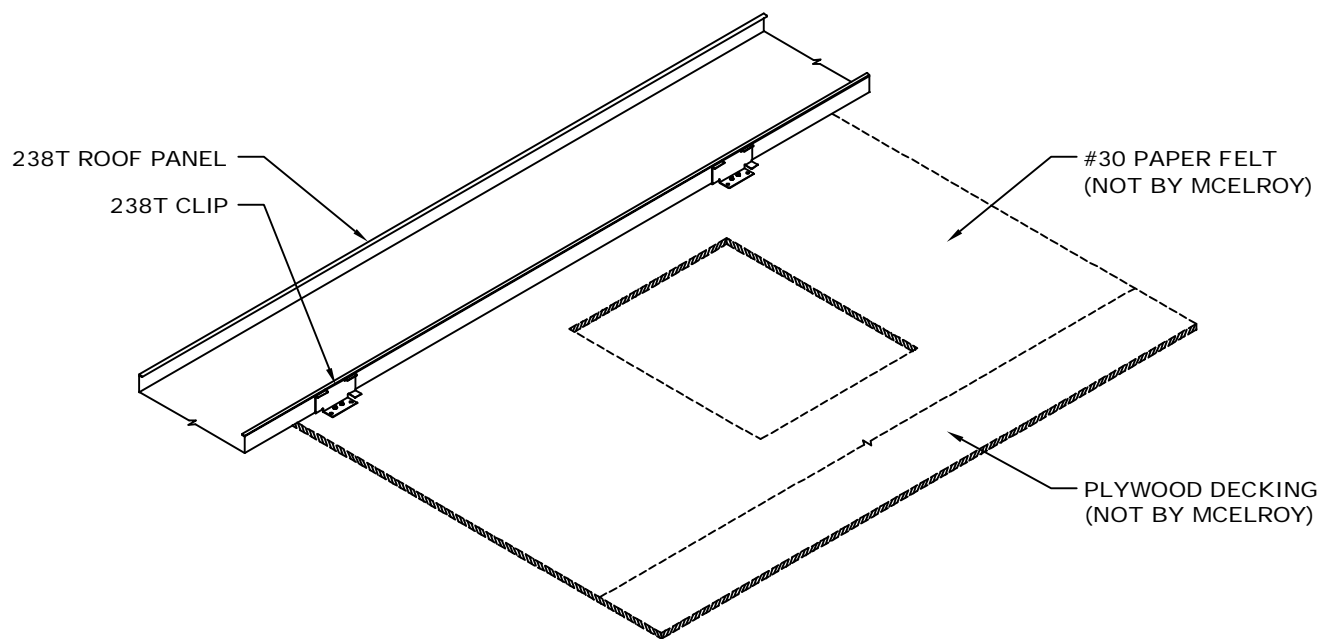


- NOTES:
1. Cut hole in panel 1" larger than pipe diameter. If installing over a solid substrate, over-cut hole in substrate so fastener do not pin system from thermal movement.
  2. Cut hole in top of Dektite Boot so that it fits snugly around pipe. Apply a 3/16" Dia. bead of Tube Butyl sealant around the base flange of boot. Secure to panel with 1/4-14 x 7/8" Lap Tek ZAC fasteners 2" O.C.
  3. Dektite boot MUST fit in pan of panel. Do not fasten to standing seams.



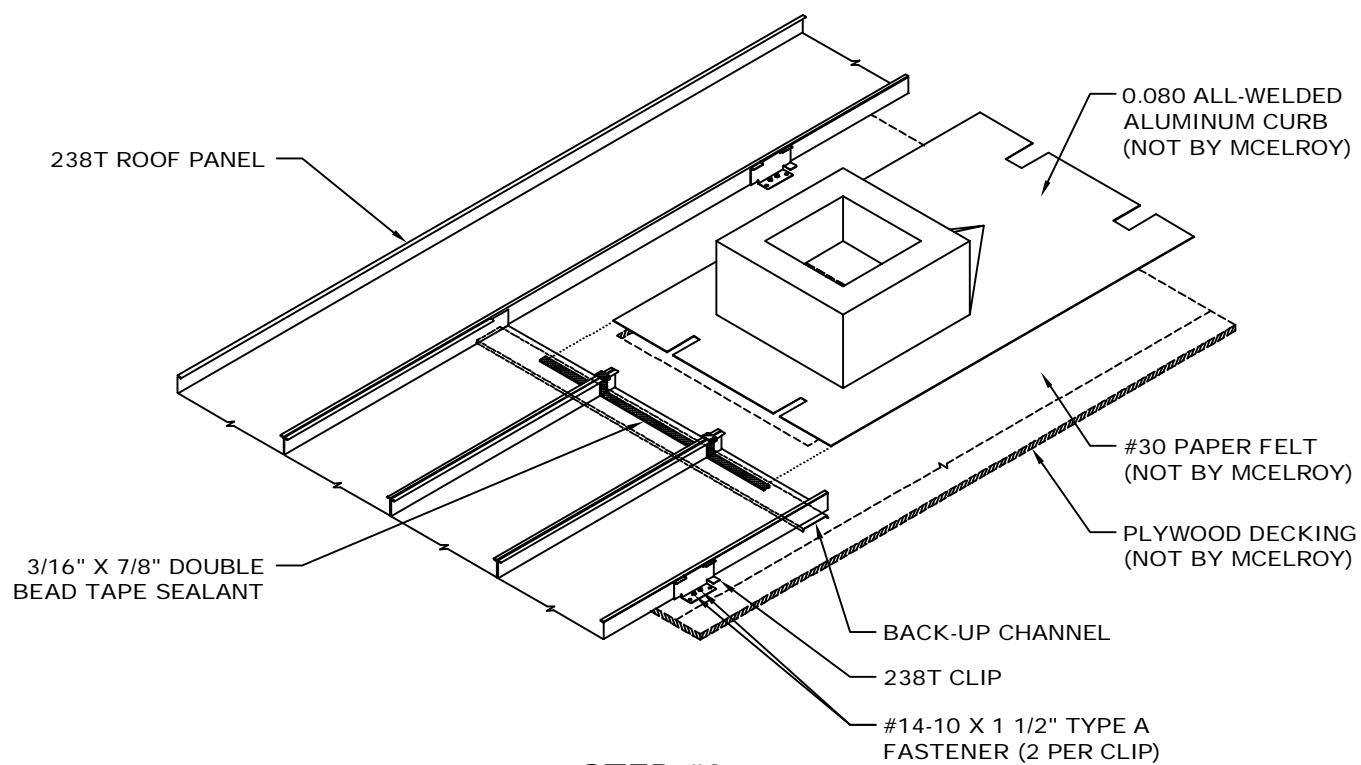
INSTALLER NOTE:  
2" (MIN.) CLEARANCE BETWEEN  
PANEL SEAMS AND DEKTITE TO  
ALLOW FOR WATER, SNOW, ETC  
TO PASS BY. IN NORTHERN  
CLIMATES, MEASURES MUST BE  
TAKEN SO THAT SLIDING SNOW  
WILL NOT DAMAGE THE DEKTITE.

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

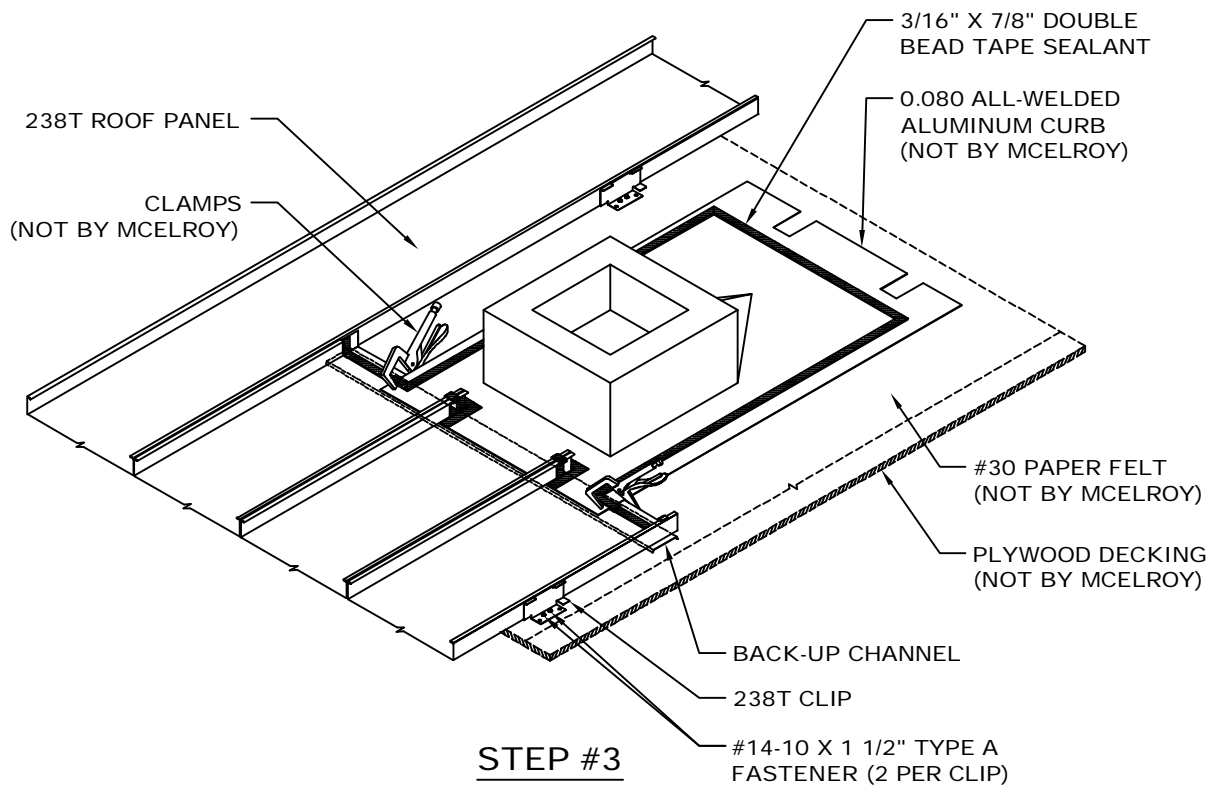
STEP #1

\*NOTE: SOME TRIM ITEMS AND  
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DETAIL.

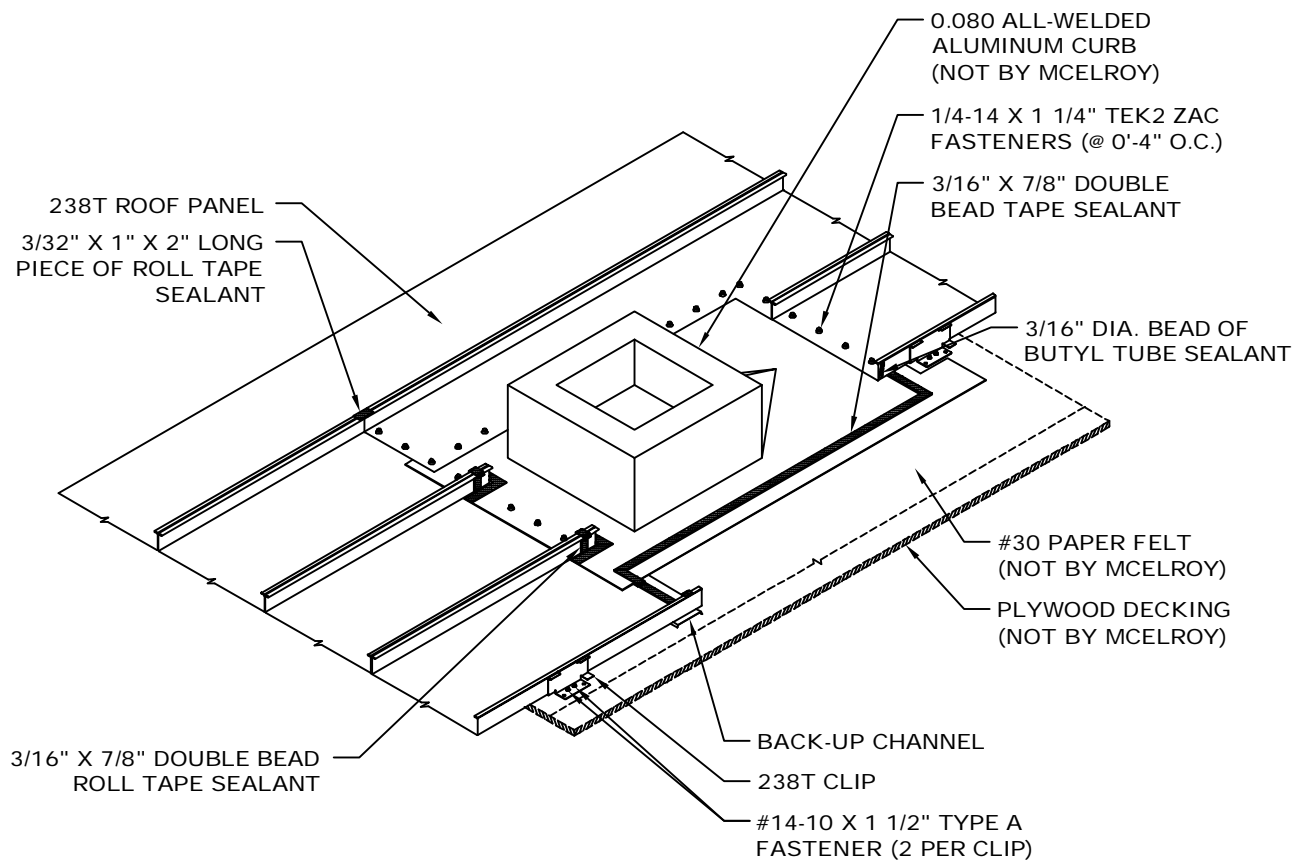




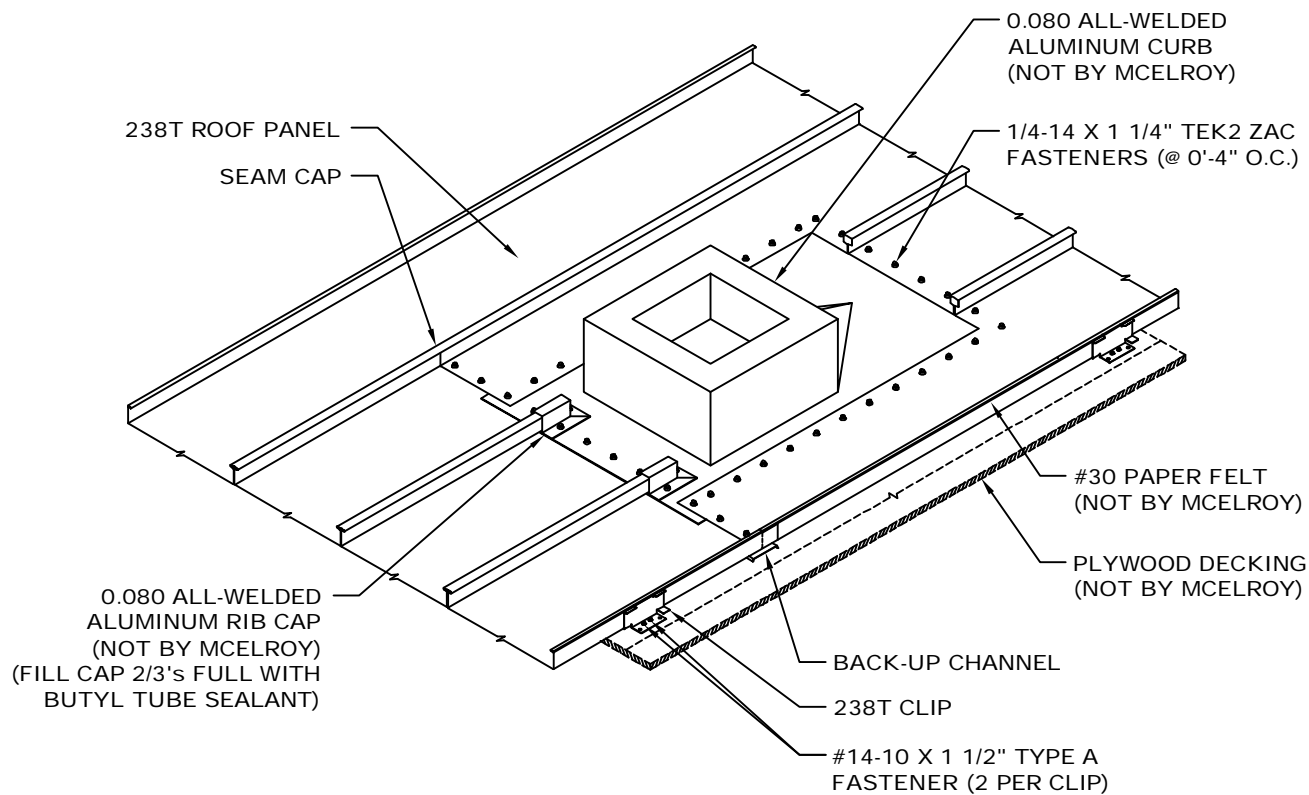
\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



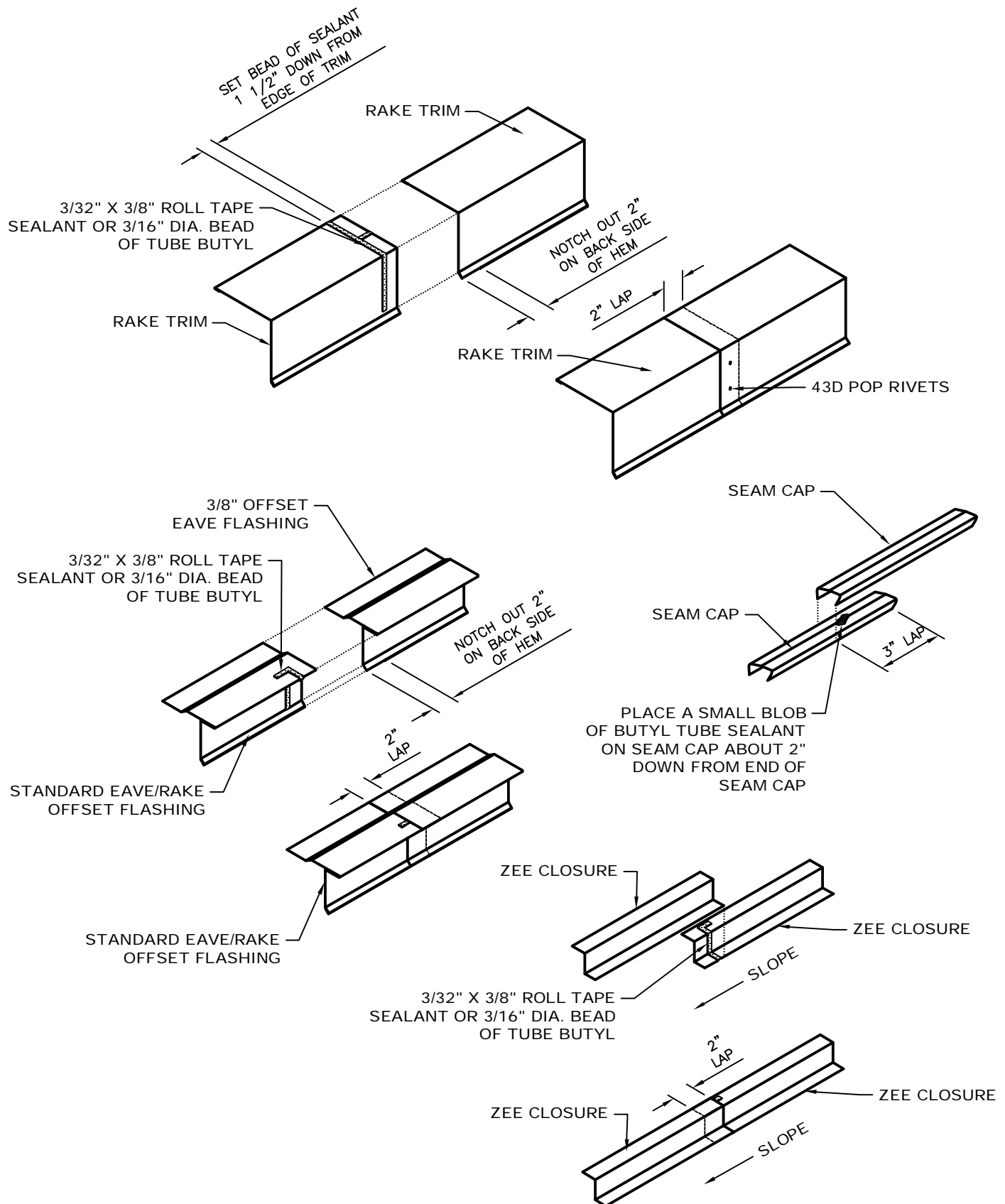
\*NOTE: SOME TRIM ITEMS AND  
FASTENERS HAVE BEEN REMOVED  
FOR CLARITY OF ISOMETRIC  
DETAIL.

STEP #4

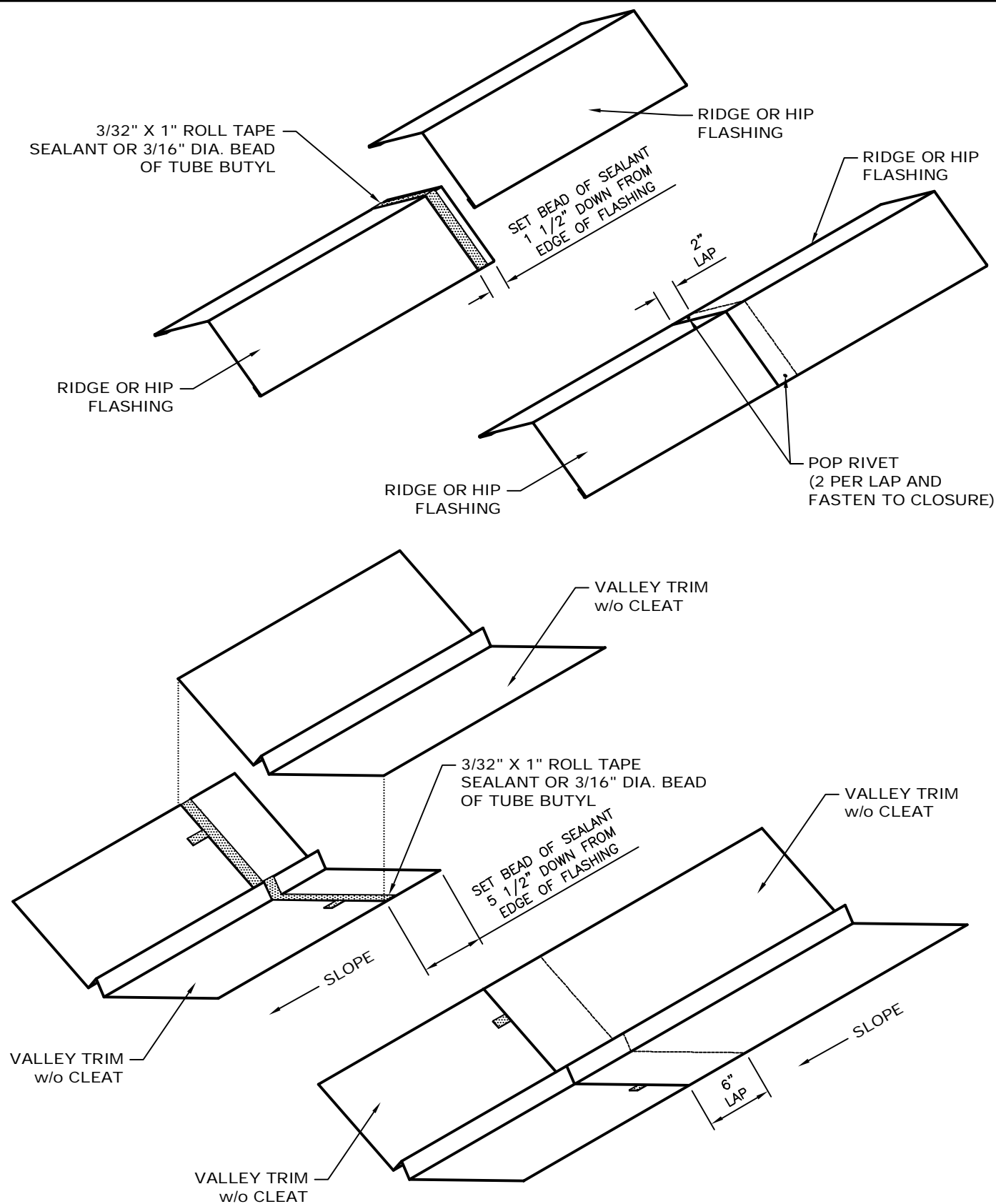
\*NOTE: SOME TRIM ITEMS AND  
FASTENERS HAVE BEEN REMOVED  
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DETAIL.

STEP #5

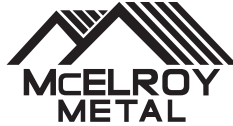
\*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



NOTE: 1. Apply 3/32" x 3/8" Roll Tape Sealant or a 3/16" Dia. 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.



- NOTE: 1. Apply 3/32" x 1" Roll Tape Sealant or a 3/16" Dia. bead of Tube Butyl 1 1/2" back from the edge of the trim.  
 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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| 409 Lovejoy Road<br>Ft. Walton Beach, FL 32548       | 3014 Lincoln Court<br>Garland, TX 75041        | 1440 Aldine Bender Road<br>Houston, TX 77032      | 10504 E. 59th Street<br>Indianapolis, IN 46236 |
| 32 Industrial Circle<br>Lancaster, PA 17601          | 9435 US Hwy. 60 W.<br>Lewisport, KY 42351      | 1020 Veterans Street<br>Mauston, WI 53948         | 5123 Terminal Dr.<br>McFarland, WI 53558       |
| 514 Cave Road<br>Nashville, TN 37210                 | 8304 Hwy. 70 E.<br>North Little Rock, AR 72117 | 613 North Bierdeman Rd.<br>Pearl, MS 39208        | 8511 Industrial Drive<br>Pearland, TX 77584    |
| 2755 Hwy 60<br>Pendergrass, GA 30567                 | 7450 Tower Street<br>Richland Hills, TX 76118  | 8200 Berry Ave. Suite 100<br>Sacramento, CA 95828 | 1365 Dean Forest Rd.<br>Savannah, GA 31405     |
| 7355 Oakley Industrial Blvd.<br>Union City, GA 30291 | 1144 Silstar Rd.<br>West Columbia, SC 29170    | 325 McGhee Rd.<br>Winchester, VA 22603            |  |

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