

"Multi-Rib" & Series
"R"
Panel Profiles

Installation &
Maintenance
Manual



CMP

Series "R"
&
"Multi-Rib"

CONSTRUCTION
METAL
PRODUCTS

2204 West Front Street
Statesville, NC 28677
(888) 750-9827



IMPORTANT NOTICE

In this manual are recommendations and instructions regarding the installation of Construction Metal Product's "Series "R" & Multi-Rib" structural metal roof systems. The information within includes material that was current at the time this manual was published. As building codes change and innovations evolve, CMP remains in step and therefore retains the right to make changes to the documentation herein, without notice and at any time without the incurrance of obligation. To insure you have the most up-to-date information, please visit our web site or contact CMP's Quality Assurance Department. The construction details within are meant to represent typical materials and conditions and may not suit your project's individual needs or aspects. Furthermore, CMP strongly recommends that all projects be engineered and installed to comply with all applicable building codes, including local regulations and within the standards set by the professional roofing industry.

CONTENTS

Roof Panel Profiles

Preparation

- Roof Deck
- Tear Off
- Repairs
- Underlayment
- Flashing & Trim

Tools

Handling

- Forklift Method
- Crane Method
- Storage
- Film Removal
- Cutting
- Cleaning

Parts & Accessories

Fastening

- "R" Panel
- Multi-Rib Panel

Typical Roof Plan

Standard Construction Details

SLOPE 4 / 12

Air Intake Roof Penetrations

Hot Stack Roof Penetrations



4

6

Prefabricated Roof Curb

Dashed Boxes Indicate Steel Plates @ Existing Deck Below

8

9

SLOPE 4 / 12

12

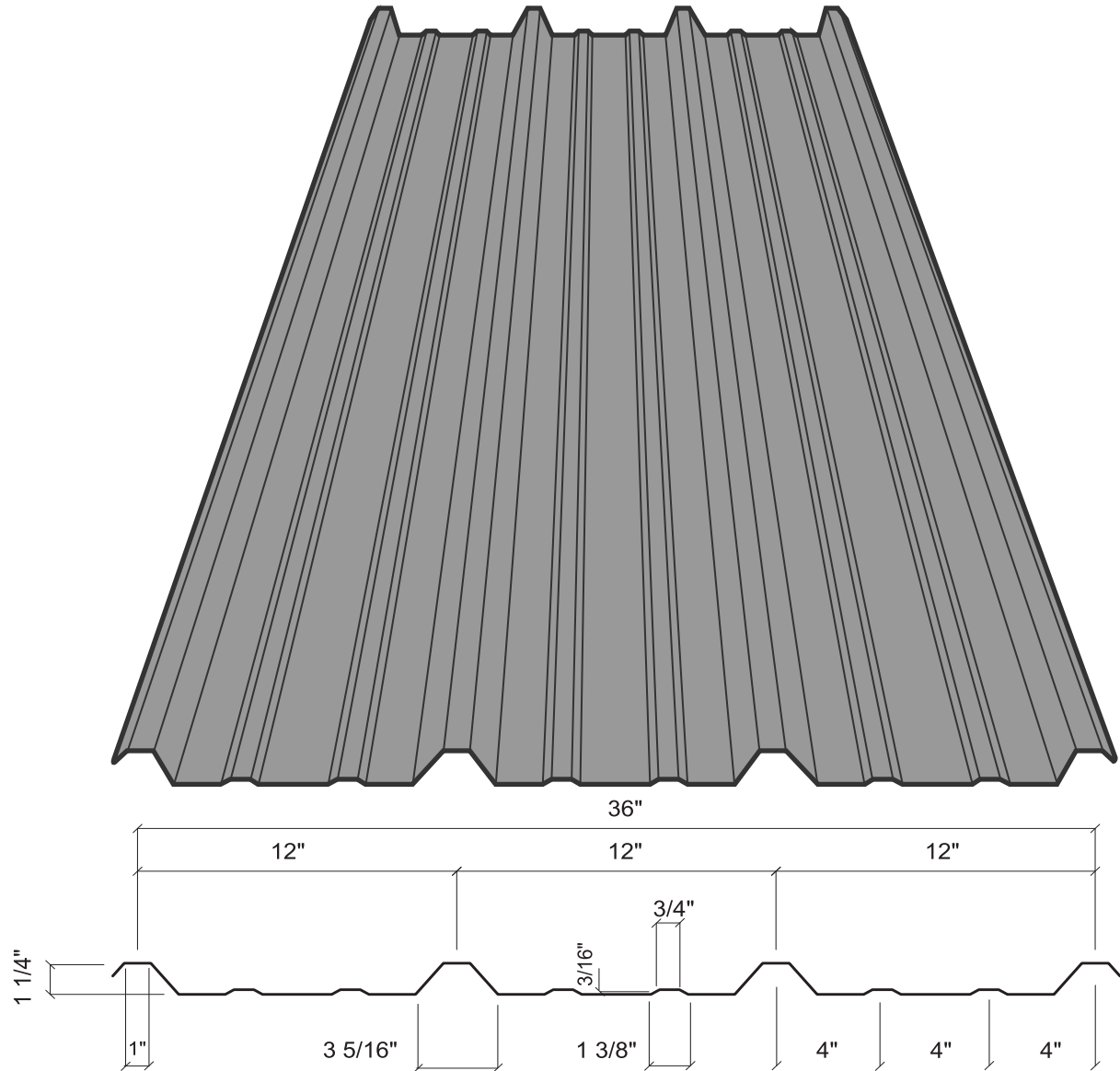
13

18

19

SLOPE 4 / 12

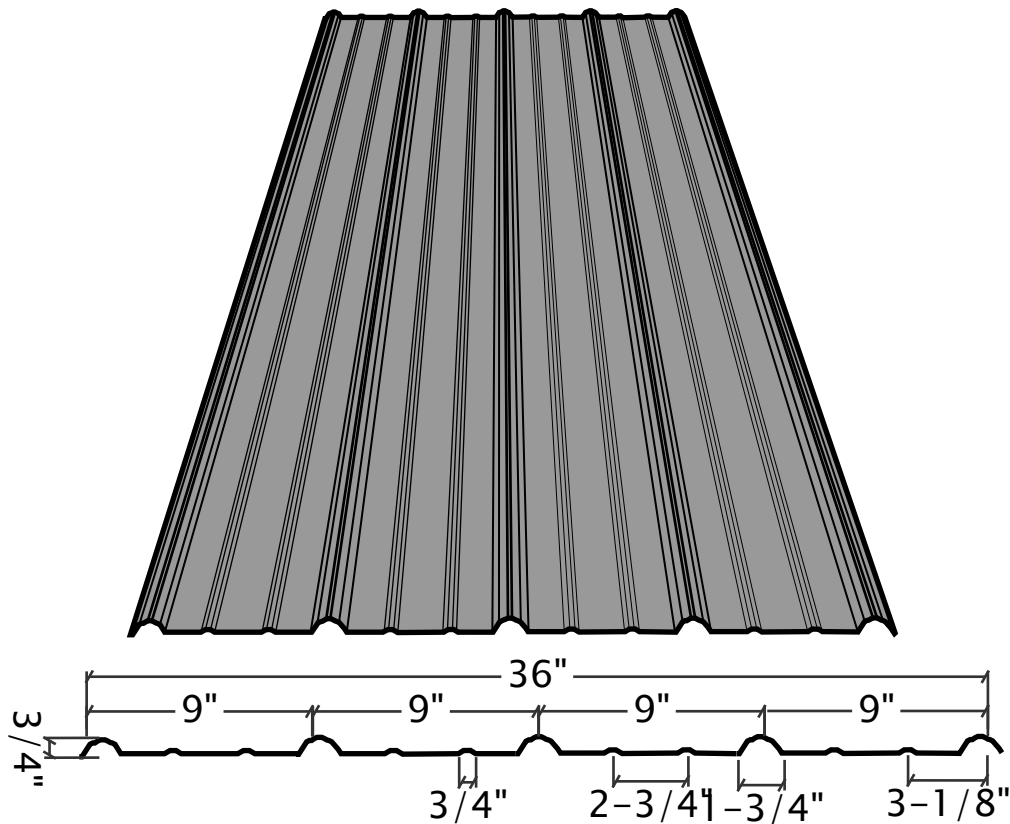
...Profile...



Series "R"

The CMP "R" Panel features 1-1/4" ribs on 12" centers providing a full 36" of coverage. Stiffening ribs are added for structural strength and aesthetics. The "R" panel can be used on walls or on roofs. Optional purlin bearing profile for post/frame type structures is available. The "R" Panel is available in 26 gauge material in a wide variety of colors.

...Profile...



"MULTI-RIB"

The CMP "Multi-Rib" panel features 3/4" ribs on 9" centers providing a full 36" of coverage. Stiffening ribs between the high ribs add structural strength and aesthetic beauty. The Multi-Rib panel is available in both 26 and 29 gauge thickness. A wide variety of color choice assures success on any residential, agricultural or pole building application.



Both the "Multi-Rib" and "R" Panel systems are fabricated from pre-painted steel and are available in a wide variety of colors and finishes. CMP's 40-year Silicon Polyester paint system, with cool roof technology, provides solar reflectance ratings to meet today's Energy Star requirements. The 40-year paint system and galvalume steel guarantees a winning combination of weather-tested paint performance and superior corrosion resistance.

PREPARATION REQUIREMENTS & RECOMMENDATIONS

This detail & installation manual has been provided to serve as a basic guideline for installing the CMP “R” & Multi-Rib Panel roof systems. This manual should be used in conjunction with the architectural renderings to help ensure proper installation of the roof system. In case of discrepancies, the architectural renderings will govern over this installation guide.

It is the customer’s responsibility to ensure that a competent and experienced installation team is selected to install this roof system. It is also the customer’s responsibility to ensure the installation team understands and follows this manual and the architectural renderings concurrently.

Construction Metal Products, Inc. is not responsible for any problems or defects caused by improper installation techniques. Any questions in regards to clarifying the intent of this manual or the architectural renderings should be directed to CMP’s account representative department at 888-750-9827

Warning!

Avoid installing these panels on roofs with a slope of 3” per 12” or less. Heavy rainfall on “low slope” exposed fastener type roofs may cause excess rainwater accumulation and cause leaking.

Important!

Properly prepare the roofing substrate prior to roof panel installation.

Substrate, Roof Deck

CMP, Inc. recommends our metal roofing systems be installed over CDX plywood or OSB wooden roof decking with a minimum thickness of 15/32” or equal. **Note:** If using treated lumber, special corrosive resistant screws are required. Ask your representative for more information.

Tear-Off

The removal of existing roofing and the associated fasteners is optional with these panels. This does not damage, and typically improves, the structural capacity of wood decks. During removal, many shingle fasteners may remain embedded in the deck. These fasteners must be removed out or hammered flush into the deck.

Repairs

Deteriorated areas should be removed and replaced with material(s) that closely match the existing thickness. The deck should be sound and smooth, with fasteners seated flush with the surface, prior to the installation of the metal roof. New wood decking, weather boards, planks, CDX plywood, OSB boards or equal should be the same thickness and have similar strength characteristics and span ratings to that of the area being replaced. Deck fasteners that have backed out must have a new fastener installed adjacent to it and the existing fastener should be removed. Loose or lifted boards, planks, plywood, and corners should have additional fasteners installed to secure the existing deck in place.

Holes in wood decks that are 8" wide or less can be covered with 22-gauge steel. This steel plate should be galvanized and must overlap the wood roof deck 4 inches minimum and be secured with fasteners 4 inches on center.

Fascia boards should be straight, level and in good condition. Any rotted or deteriorated boards should be replaced. All roof framing and decking deformities will be transferred to the new metal roof if not corrected before sheeting begins.

Underlayment

New underlayment must be immediately installed over prepared roof decking. CMP recommends 30# felt as the minimum underlayment. This underlayment should be installed with a minimum of a 2" side lap and a 6" end lap. Underlayment temporarily protects the roof decking against water penetration. It should be installed using galvanized tin caps (not plastic caps). The underlayment should be fastened to the deck with galvanized roofing nails with tin caps 12" on center in the field and 6" on center at the sidelap.

Flashing

Re-roofing projects incorporate metal flashing and metal counter-flashing. Some counterflashings are embedded, such as into a masonry wall, or are installed behind existing siding. This metal, if not deteriorated, may be reused. The existing metal can be cut, leaving approximately a minimum of 2" of flashing exposed, and new counter-flashing can be fastened to the back-side of the existing metal. Counter-flashing must be slightly higher than the top of the rib on the panels to be installed.

...SAFETY SAFETY SAFETY...

As with all construction projects, safety should be the primary concern. The installer or contractor should be sure that all OSHA safety rules are followed and that job safety is strictly adhered to.

The following safety equipment is strongly recommended when installing metal roofing:

1. Fall Protection, Safety Rope & Harness
2. Hand Protection, Gloves
3. Eye Protection, Safety Glasses
4. Hearing Protection
5. Rubber soled shoes

Metal roofing presents several specific safety issues:

1. Metal roofing is extremely slick and does not provide firm footing.

Extreme care should be taken when:

- A. Working on roofs with a steep slope.
 - B. Working on moist or wet roofs.
 - C. Working on roofs in high wind.
2. Working with long panels.
 3. Metal edges are very sharp and should be handled with care.

4. Care should be used when lifting panels due to their weight.
5. Always check for overhead electrical lines and exercise care not to have metal sheets come into close proximity. "Electrical Lines Can Arc Over 20 Feet"
6. All electrical tools should be inspected regularly for damaged cases or frayed electric cords. Extension cords should be inspected for damage daily.

Do Not Step or Walk on Unsecured Panels

Never step on a single unsecured roof panel, or a stack of roof panels on the roof. Secure each end of the panel with clamps or appropriate fasteners and place walkboards of adequate size and strength in the flat of any panels not fully secured to the roof and supported by panels on each side. Walkboards should run the full length of the panel and be fastened together by drilling a hole near the end of each board and tied with rope to the next board. Cut a groove in the bottom of each board so the board will lie flat and not tip back and forth because of the rope.

...TOOLS & EQUIPMENT...

1. Safety Equipment (First Aid Kit, Fire Extinguisher etc.)
2. Screw Gun (2500 RPM)
3. Tape Measure
4. Caulk Gun
5. Framing Square
6. Chalk Line
7. Vise Locking Grip Pliers
8. Hammer
9. Drill & Bits
10. Electric Shear
11. Extension Cords



CAUTION:

Whenever using any type of power equipment, it is important to follow the manufacturer's recommendation for use. Always be aware of the danger involved when using electric or air powered equipment.

...HANDLING...

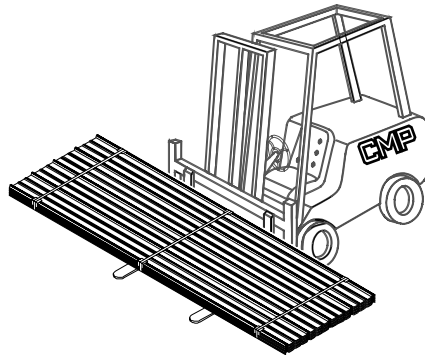
Forklift Method

Before attempting unloading and the subsequent transporting of the Roof & Wall Panels, carefully inspect and select all taxi-ways and staging areas that are reasonably level with firm compacted surfaces without ruts and excavations.

When loading/unloading bundles or crates of lengths up to 30' use a single forklift with wide spaced forks equally positioned under the center of the crate/bundle.

Crates/ bundles in excess 30' can be handled with two forklifts spaced at equal intervals in respect to the crate/bundle.

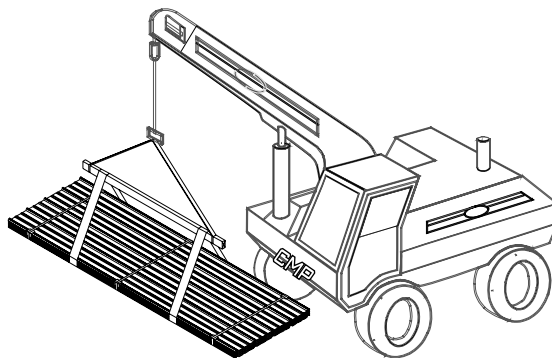
Handle the crate/bundles one at a time to avoid product damage and maintain safety.



Crane Method

When loading/unloading using crane or other overhead lift devices use nylon lift straps equally positioned under the center of the crate/bundle. Spreader bars suitable to maintain the strap positions are to be used and should be positioned on both the top and underside of the crate/bundles with care to protect the panel edges. Experienced crane operation is critical and care must be taken to avoid jerking and snatching the crate/bundles.

When lifting crate/bundles in excess of 30' with crane type lift devices, three-3 lift strap support points shall be required and include the use of spreaders as noted above.



CAUTION:

- Workers must wear appropriate protective gear at all times when handling panels. Failure to do so may cause injury.
- Carry individual panels in the on-edge position. Never move panels in a flat position as excessive flexing may result and may create permanent distortions.
- When moving a solitary panel, it must be turned on its edge first and equally supported to each end with a compliment of handlers to transport the panel safely.
- Lift panels when removing from crate/bundle. Do not drag panels out of the crate/bundle or across each other or any other surfaces.

...STORAGE...

On Site Storage

The job site shall have adequate storage space to receive and store the crate/bundles. All storage areas must be level, firm, and clean and maintain enough natural slope to remain free of ponding water. Always store panels in a dry condition, with one end slightly elevated to allow for incidental moisture drainage.

If panels are to be used immediately, consider pre-planned placement of the crate/bundles at strategic locations close as possible to the specific work areas.

Cover any opened crate/bundles with plastic sheeting or tarps at the end of the work day and securely fasten to avoid wind damage.

Do not use ropes, steel cables or chains to handle individual panels or crate/bundles.

Limit outdoor storage to no longer than 60 days and periodically inspect the panels for moisture build up. Corrosion or staining of any kind will not be considered as a cause for rejection.

If panels are not to be installed right away, store under a temporary shelter or cover with a protective tarp and adequately secure both tarp and panels to prevent wind damage.

Care should be taken during unloading and storage to prevent damage to small items, i.e. trims fasteners, clips, sealants, etc.

Cover all pallet crates or boxes to protect materials from weather but allow for ventilation to prevent condensation. Temperature sensitive items such as butyl tapes and sealants should be stored under controlled conditions.

Factory Applied Film Removal (if present)

If the panels or trim items have a protective film applied and if the panels will not be installed within 60 days, the crate/bundles should be separated and the protective film removed from each panel and/or trim piece. Carefully re-stack panels & trims to protect from the elements. Failure to remove the film within this time period may result in excessive film adhesion and breakdown of the plastic, making removal extremely difficult. In addition, failure to remove the film may result in a buildup of adhesive residue. Film removal and panel cleaning is the responsibility of the installation contractor.

Remove protective film (if present) as the panels and trim are installed if possible, and in no cases allow the film to remain on the installed materials beyond the end of the work day.

Remove by loosening the film along the products edge and peel off and down at approximately 45° angle.

If adhesive residue remains on painted surfaces after the protective film is removed, the items may be cleaned with a soft rag saturated with a general household cleaner (409, SFR etc.) or an equivalent and rinse thoroughly. For cleaner safety, follow all the manufacturer's instructions.

...CUTTING...

Panel Cutting

Personnel working with panel cutting equipment should wear eye protection at all times.

Avoid cutting panels after their installation if at all possible.

Use only appropriate cutting tools and maintain extreme care. Do not use a cutting disk, torch, and other hot or high heat producing methods. Hot filings may damage the painted surface of the panel. Preferably cut panels one at a time with aviation snips or sheet metal shears. To cut multiple panels at simultaneously, use a circular saw with a fine tooth carbide tip blade.

For openings and penetrations, cut panels individually with aviation snips. Also a high speed bit (Dremel type) router may be used.

Power snips, power shears, nibblers may also be used to cut panel, trims and flashings.

Note: Do not use electric grinders or reciprocating type saws.

Step 1: Mark the cut line on the panel.

Step 2: Re-check measurements and proceed with the cutting operation.

Step 3: File or sand off any burrs or rough spots at the cut line.

Step 4: Immediately remove all metal shavings etc.

...The panel is now ready for installation...

...CLEANING...

Roof Panel Cleaning

Proper installation and maintenance are extremely important to maintain the original appearance of pre-painted roof and wall panels.

All dirt, oil, grease, fingerprints, metal filings or other contaminants must be removed to assure proper service life of the paint system. The owner should consider a wipe-down of the panels upon the conclusion of all exterior construction activities.

Airborne dirt particles may stain and cause apparent discoloration of the paint after prolonged exposure. Slight chalking from strong sunlight exposure may also cause a change in appearance. A thorough cleaning will usually restore the original appearance of the panels.

In most cases a simple low pressure wash of the panels with plain water is adequate. Areas of heavy dirt deposits may require a solution of water and household laundry detergent (1/3 cup per gallon of water) be used. Use a soft rag, sponge, or soft bristle brush to clean. Follow with a clean water rinse.

Mildew may occur in areas subjected to high humidity. To remove mildew, use the following solution followed by a clear water rinse: 1/3 cup of household laundry detergent, 2/3 cup of tri-sodium phosphate, 1 quart sodium hypo chlorite 5% solution (Clorox), 3 quarts water.









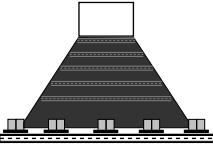

Caulking compounds, oil, grease, tars, wax and similar substances can be removed by wiping with a cloth soaked with WD-40 lubricant or mineral spirits. Test on an inconspicuous area first. Do not rub excessively or damage to the finish may result. Wipe only contaminated areas and follow with detergent cleaning and thorough rinsing.

To remove oxidation and tough stains, use a household cleaner recommended for use on porcelain skins and bathtubs. This should be followed with a thorough rinsing.

CAUTION:

Wire brushing, strong solvents and abrasive cleaners should not be used.

...PARTS & ACCESSORIES...

 <p><i>Roof Panel Fasteners</i> #12-14 x 1-1/4"</p>	 <p><i>Stitch/Lap Screws</i> #14 x 7/8"</p>	 <p><i>Trim Screws</i> #10 x 1-1/2"</p>	 <p><i>Pop Rivets</i> 1/8" Painted</p>	 <p><i>Foam Closure "Outside"</i></p>
 <p><i>Foam Closure "Inside"</i></p>	 <p><i>Foam Closure "Universal"</i> 25LF per Roll</p>	 <p><i>Butyl Tape, Double Bead</i> 3/16" x 7/8" 40LF per Roll</p>	 <p><i>Pipe Boot, #3</i> 1/4" to 4" (Gray Only)</p>	 <p><i>Colored Caulk</i></p>

GENERAL INSTALLATION INFORMATION

1. Insure that the structure is square and true before beginning panel installations. If the structure is not square, the panels will not properly seal at the side laps.
2. Green or damp lumber is not recommended. Moisture released from the damp lumber may damage the metal panels. Nails installed in green or damp lumber may back out.
3. Remove any loose metal shavings left on roof surface immediately to prevent corrosion. After installing roof, remove any debris such as leaves or dirt to prevent moisture from getting trapped on panels.

NOTE: It is the responsibility of the user to verify all applicable code requirements for the area, check all measurements, and determine suitability of product for job.

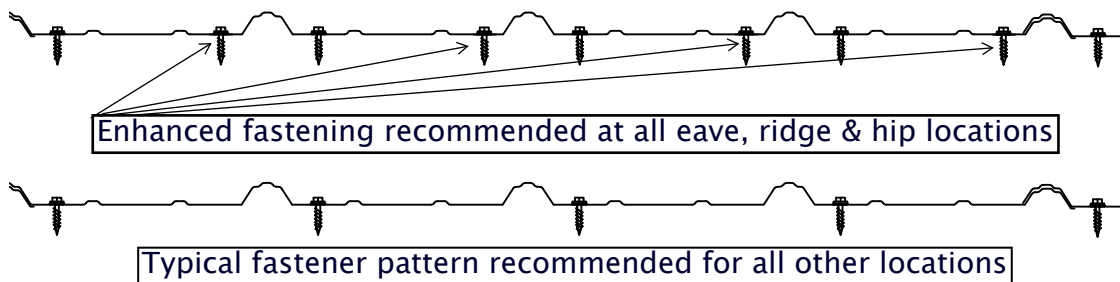
FASTENING

If you wish to pre-drill fastener holes, use a cover sheet to prevent hot shavings from sticking to panels.

Fasteners & Screws – For best results use a minimum 1-½” screw with grommet type washers, tipped to penetrate the substrate type. (i.e. self-tapping for steel). Install screws into the flat of the panel as shown below. Fasteners should be applied at every purlin. Drive the fastener so that the washer is compressed securely against the metal (See Fig. #1). Do not over drive the fastener as this will form a dimple that can collect water and cause leakage. Do not leave any loose fasteners that have missed the purlin. Use a #12 stitch screw or caulk to fill the hole.

NOTE: If rigid insulation is used directly under the panel, the fastener length needs to be increased to allow a minimum of 1” penetration into the wood.

◆◆◆ Multi-Rib Fastening Pattern ◆◆◆



◆◆◆ "R" Panel Fastening Pattern ◆◆◆

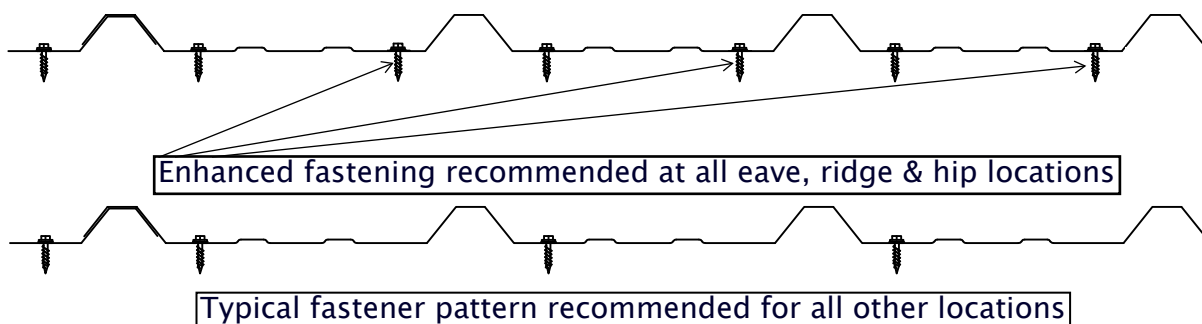
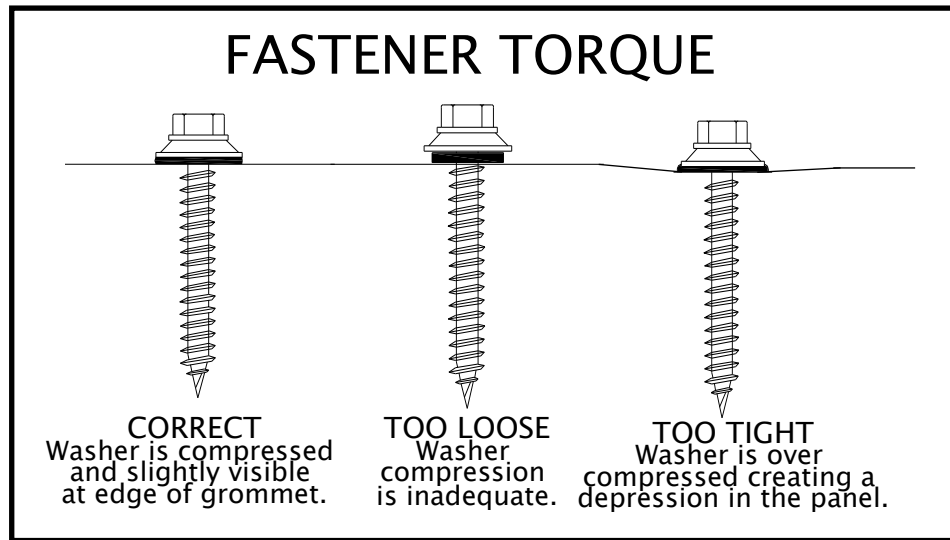


Fig. #1



RECOMMENDED ROOFING APPLICATIONS

1. Slopes of less than 3" in 12" are not recommended.
2. Side laps should face away from the prevailing wind (See Fig. #2).
3. Lay the first sheet along the eave at the down-wind side of the roof (farthest away from the direction of the prevailing winds).

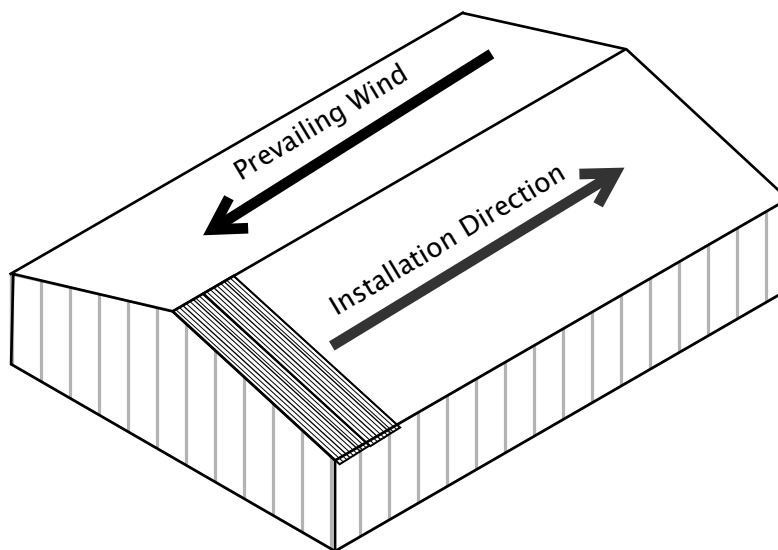
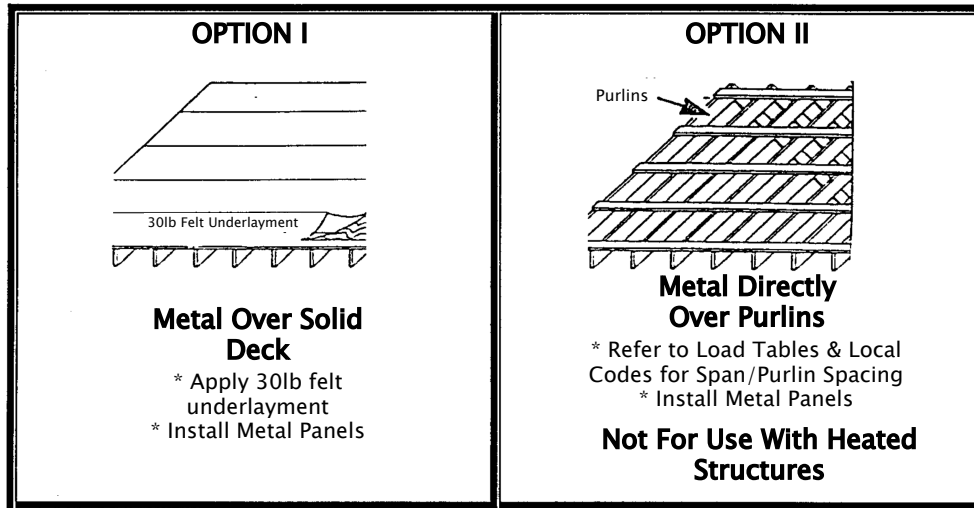


Fig. #2

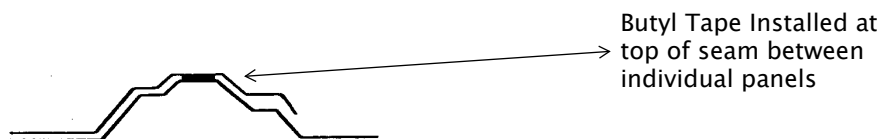
Installation Options



• **Proper ventilation and vapor barrier protection recommended for heated/ air conditioned spaces.**

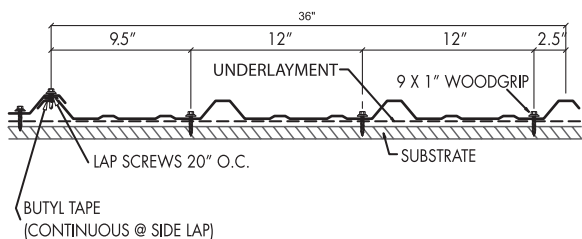
1. Allow an overhang of 2" at the eave to provide for a drip edge. Use inside closure at eave to prevent insect or bird infestation at openings. To protect against uplifting winds and to provide a finished appearance, apply rake trim or other standard gable trim. Install fasteners every 6-10" on-center.
2. A "High Profile" ridge cap is recommended to prevent leakage. Seal off ridge and panel using outside closure strip.
3. Use of 3/8" side lap butyl tape is recommended. Apply the tape as shown in Figure #4 along the top of all lap ribs. Do not block the siphon channel with the tape. For best results, apply a 7/8" stitch screw every 20" into the top of the rib to secure the side lap.

Side Lap Sealant Application Figure #4

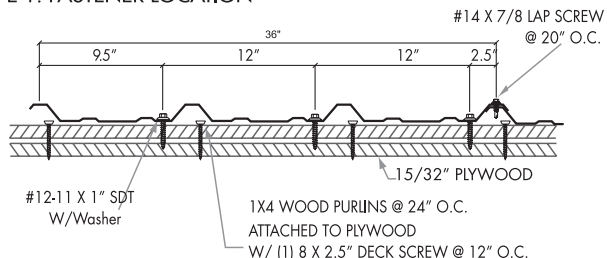


"R" PANEL FASTENER GUIDE

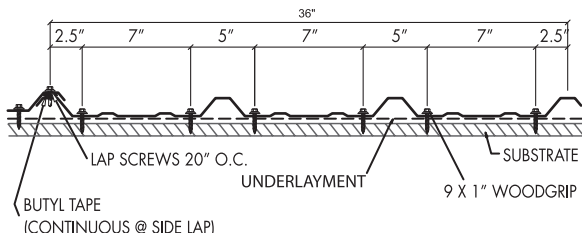
TYPE 1: FASTENER LOCATION AT PANEL INTERIOR



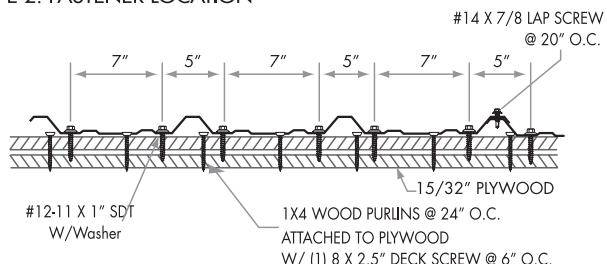
TYPE 1: FASTENER LOCATION



TYPE 2: FASTENER LOCATION AT LOW EAVE AND ENDLAP



TYPE 2: FASTENER LOCATION



"R" PANEL FASTENER PLACEMENT SCHEDULE

Based on structures with mean eave heights of 30' or less, roof slope within 3" to 6" per foot, for 90 - 140 mph wind speeds per ASCE 7

Zone	FASTENER	SUBSTRATE	90	100	110	120	130	140
			ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING
Zone 1	#12-11 X 1"	15/32" CDX	Type 1, 36"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		19/32" CDX	Type 1, 36"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		7/16" OSB	Type 1, 30"	Type 2, 30"	N/A	N/A	N/A	N/A
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	N/A
Zone 2	#12-11 X 1"	15/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 2, 24"	Type 2, 24"
		19/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 2, 24"	Type 2, 24"
		7/16" OSB	Type 2, 30"	Type 2, 30"	N/A	N/A	N/A	N/A
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	N/A
Zone 3	#12-11 X 1"	15/32" CDX	Type 1, 30"	Type 1, 30"	Type 2, 24"	Type 2, 24"	Type 2, 12"	Type 2, 12"
		19/32" CDX	Type 1, 30"	Type 1, 30"	Type 2, 24"	Type 2, 24"	Type 2, 12"	Type 2, 12"
		7/16" OSB	Type 2, 30"	Type 2, 30"	N/A	N/A	N/A	N/A
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 2, 24"	Type 2, 24"	Type 2, 24"	N/A

Exposed Fastener Panel Attachment Schedule



Release Date April 2013
Effective Immediately

Based on structures with mean eave heights of 30' or less, roof slope within 7" to 12" per foot, for 90 - 140 mph wind speeds per ASCE 7

Zone	FASTENER	SUBSTRATE	90	100	110	120	130	140
			ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING
Zone 1	#12-11 X 1"	15/32" CDX	Type 1, 36"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		19/32" CDX	Type 1, 36"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		7/16" OSB	Type 1, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"
Zone 2	#12-11 X 1"	15/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		19/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		7/16" OSB	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"
Zone 3	#12-11 X 1"	15/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		19/32" CDX	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"	Type 1, 30"
		7/16" OSB	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"	Type 2, 30"
		1x4 Wood Purlins	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"	Type 1, 24"

Note(s):

Corrosive resistant fasteners are required when installing into treated lumber.

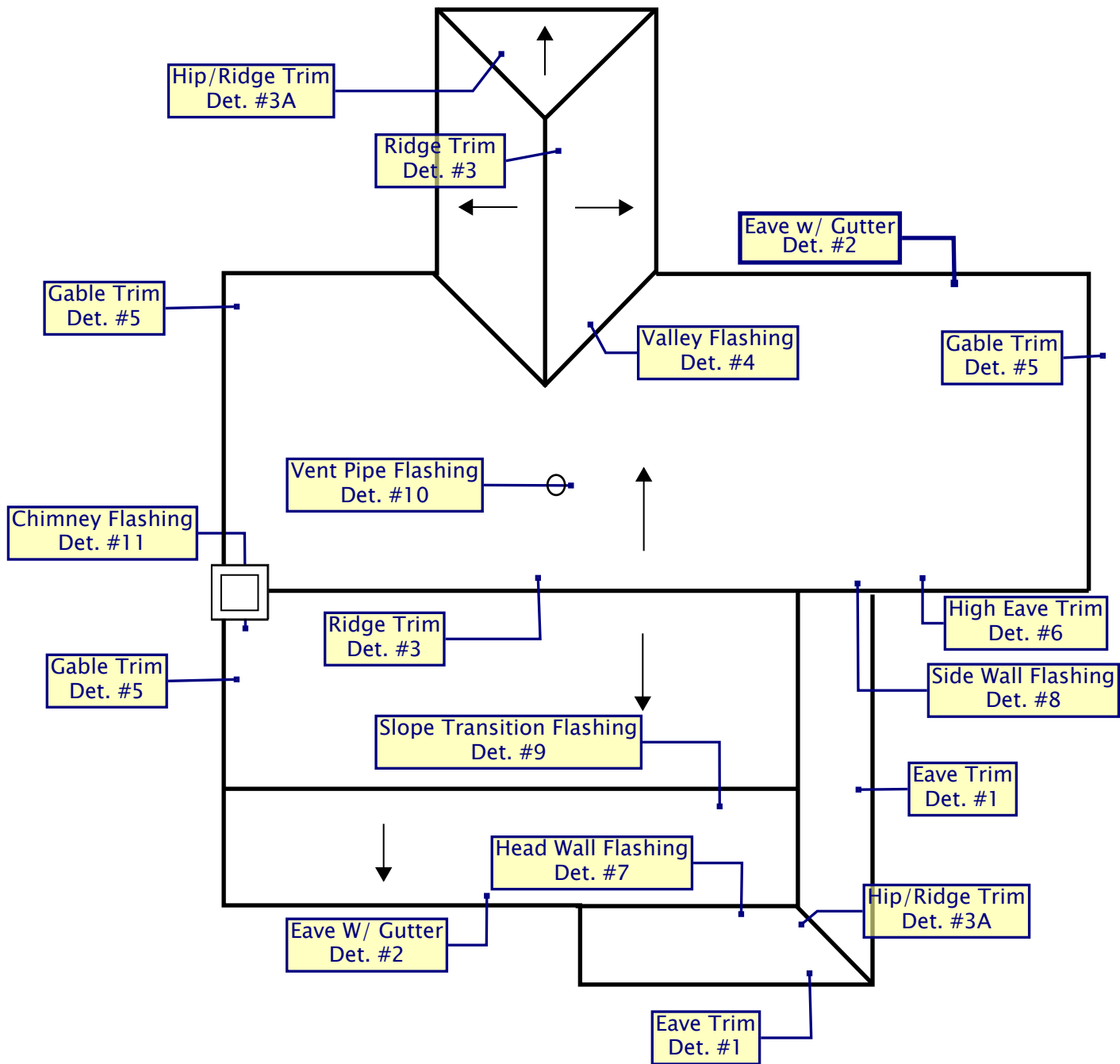
Texas Windstorm Certification Testing compliance, requires #12x11 SDT Type "A" Fasteners

In areas where the local building requirements exceed the table above, the local requirements will govern

Exposed Fastener Panel
Attachment Schedule




Release Date April 2013
Effective Immediately

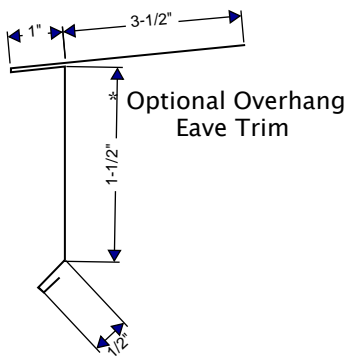
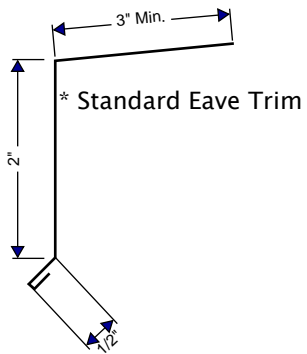
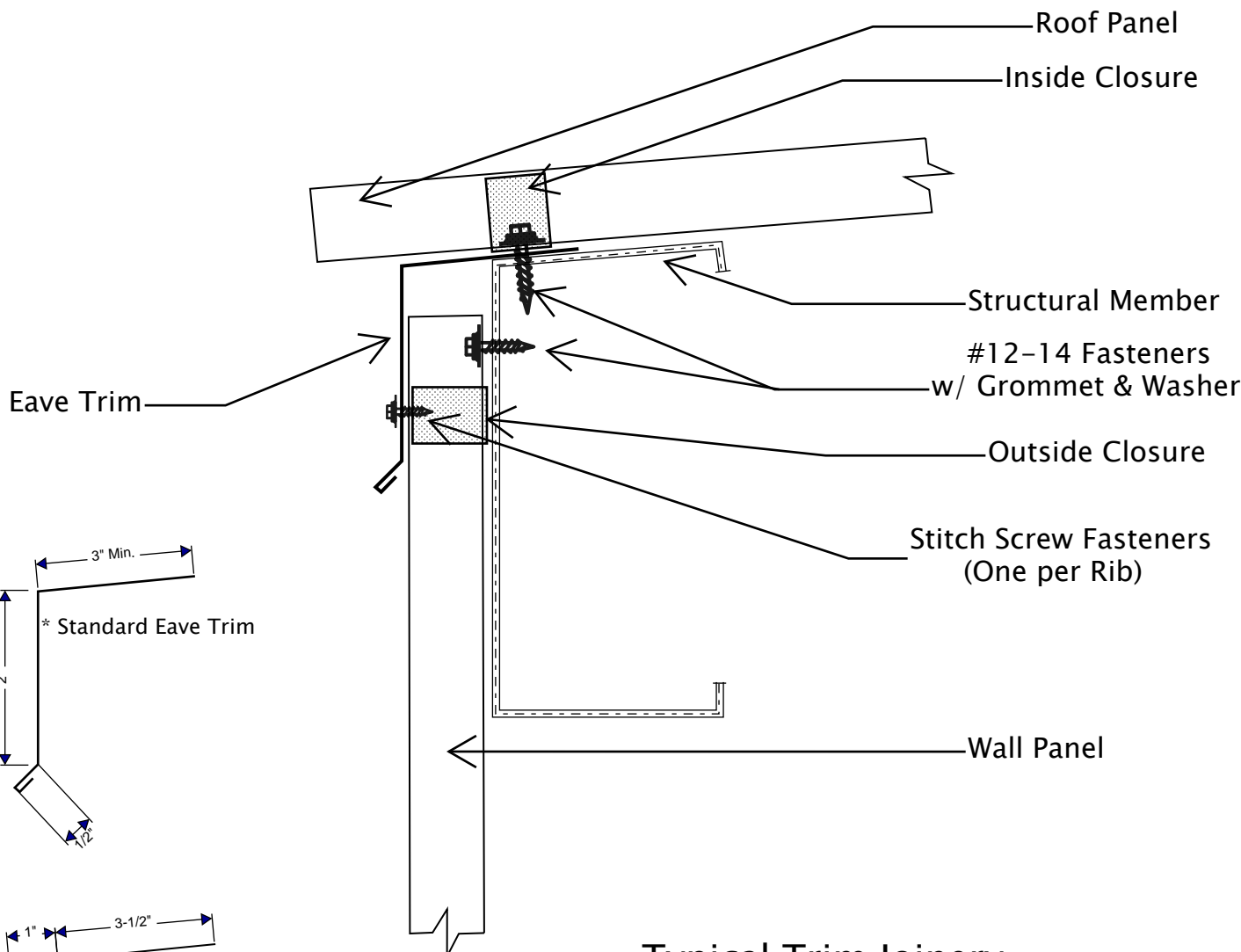


DETAIL:
**Typical Residential
 Roof Plan**

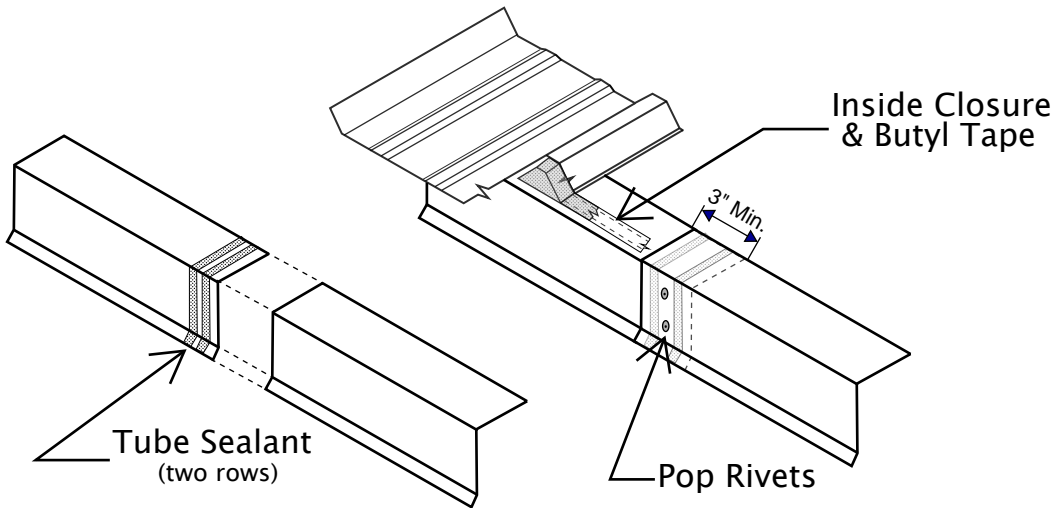
NOTES	



Page/File/Date
000/RRIB/01.2014



Typical Trim Joinery



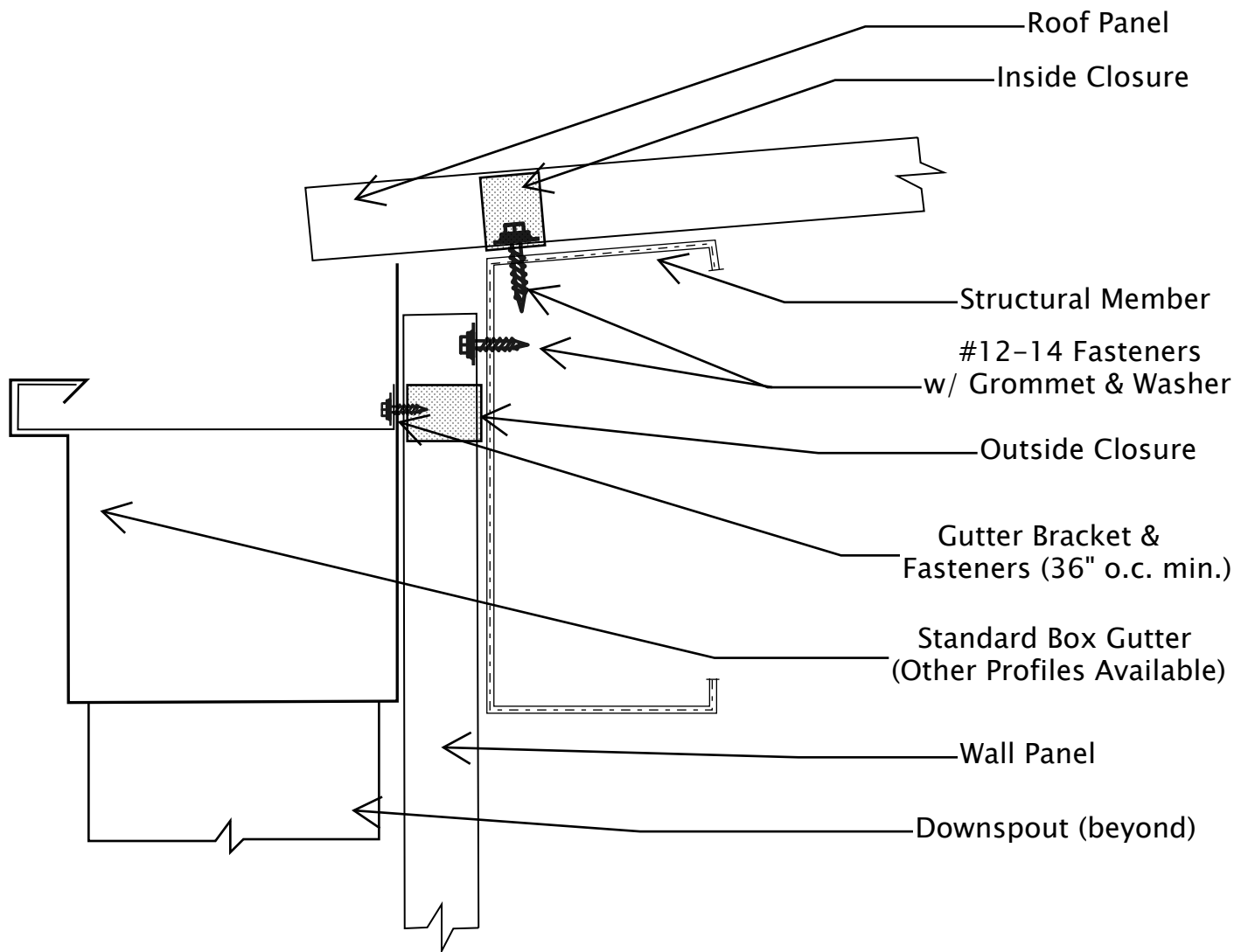
DETAIL: #1
Eave Trim

NOTES

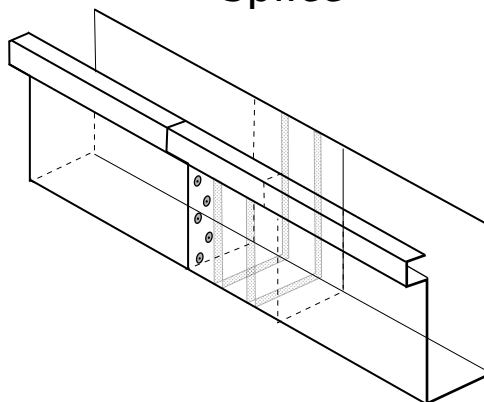
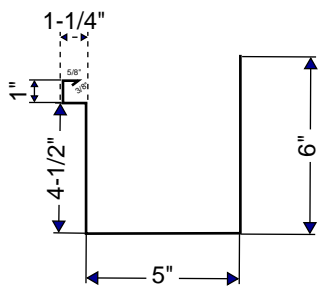


APPLICABLE SYSTEMS:
* Multi-Rib
* "R" Panel

001/RRIB/01.2014



Typical Gutter Splice



* Standard Size Shown
(Additional Gutter Sizes & Profiles Available)

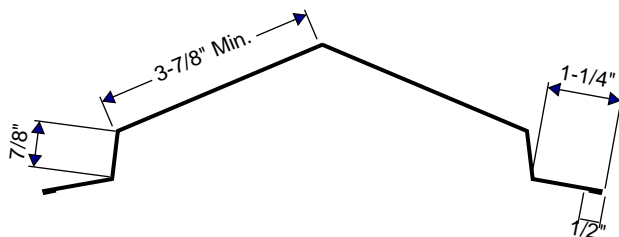
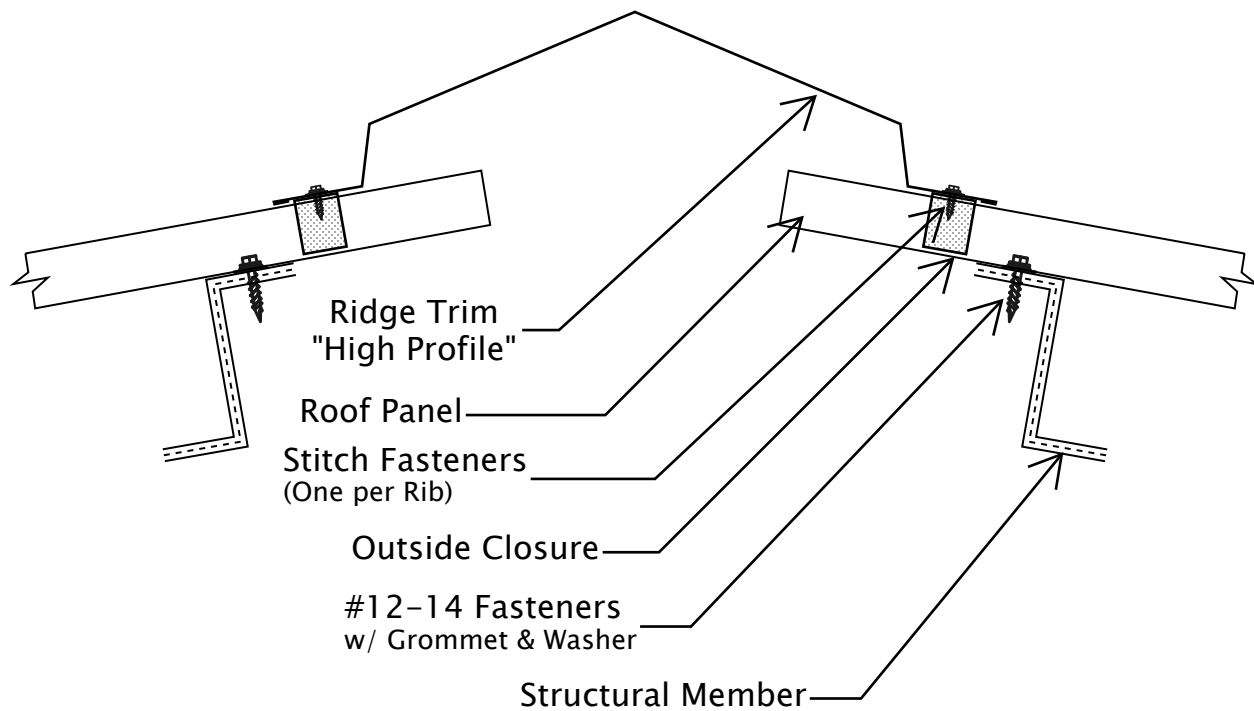
DETAIL: #2
**Eave Trim
w/ Gutter**


NOTES

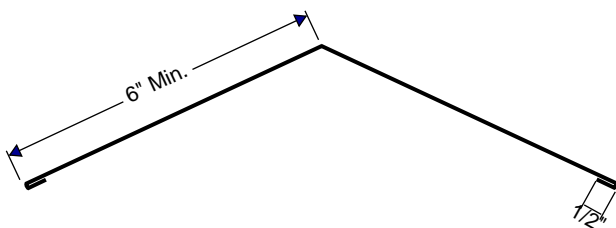
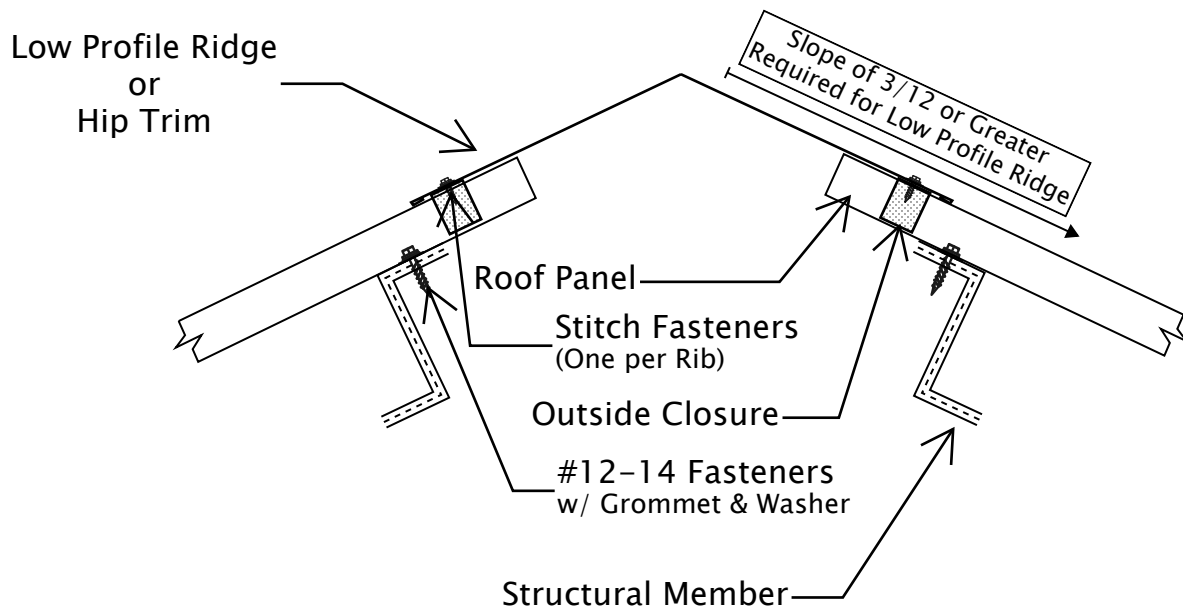


APPLICABLE SYSTEMS:
* Multi-Rib
* "R" Panel

002/RRIB/01.2014



<p>DETAIL: #3 Ridge Trim "High Profile"</p>	<p>NOTES</p> <hr/> <hr/> <hr/> <hr/> <hr/>	 <p>003/RRIB/01.2014</p>
<p>APPLICABLE SYSTEMS: * Multi-Rib * "R" Panel</p>		



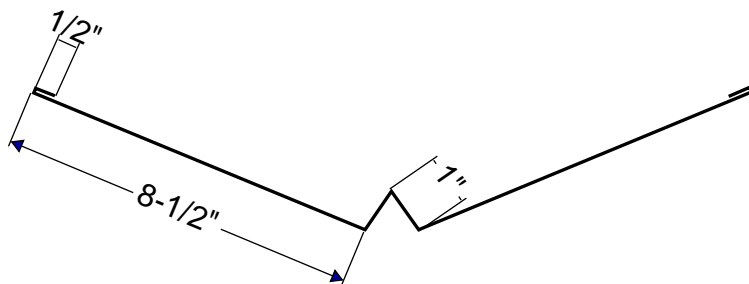
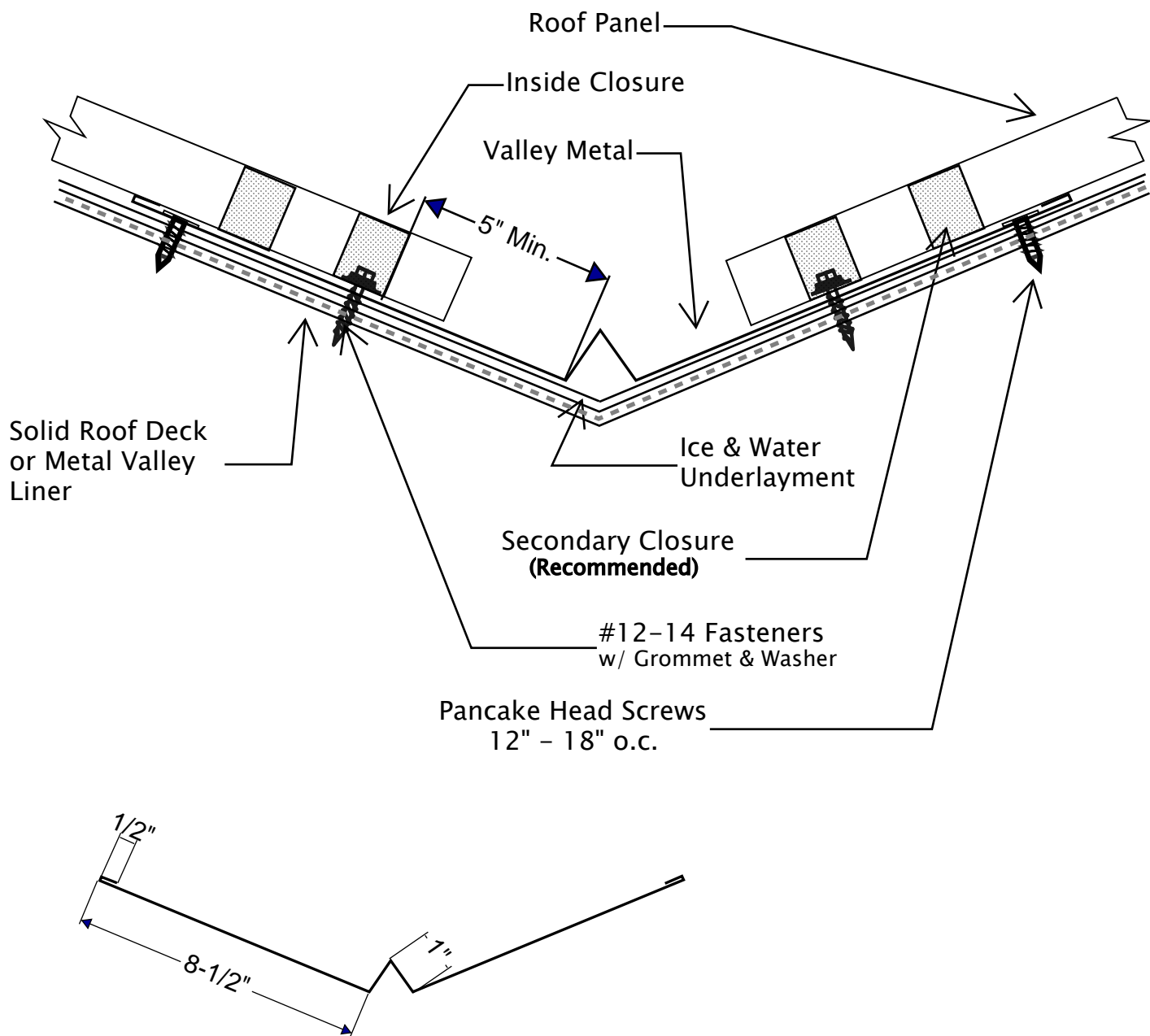
DETAIL: #3A
**Hip or "Low Profile"
 Ridge Trim**


NOTES

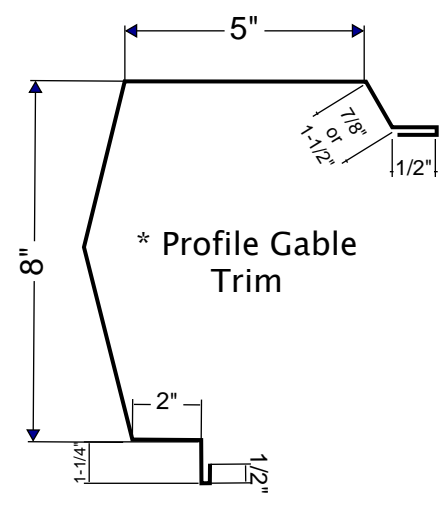
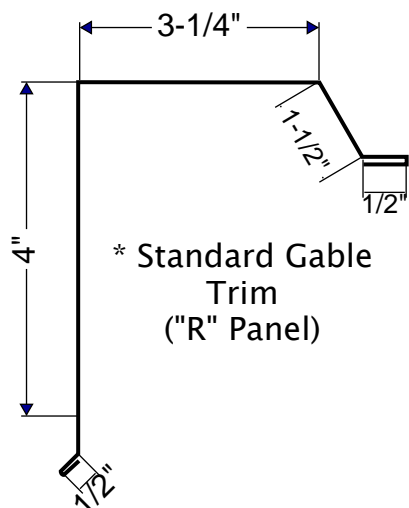
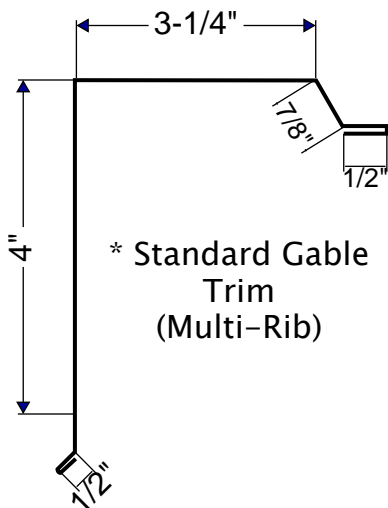
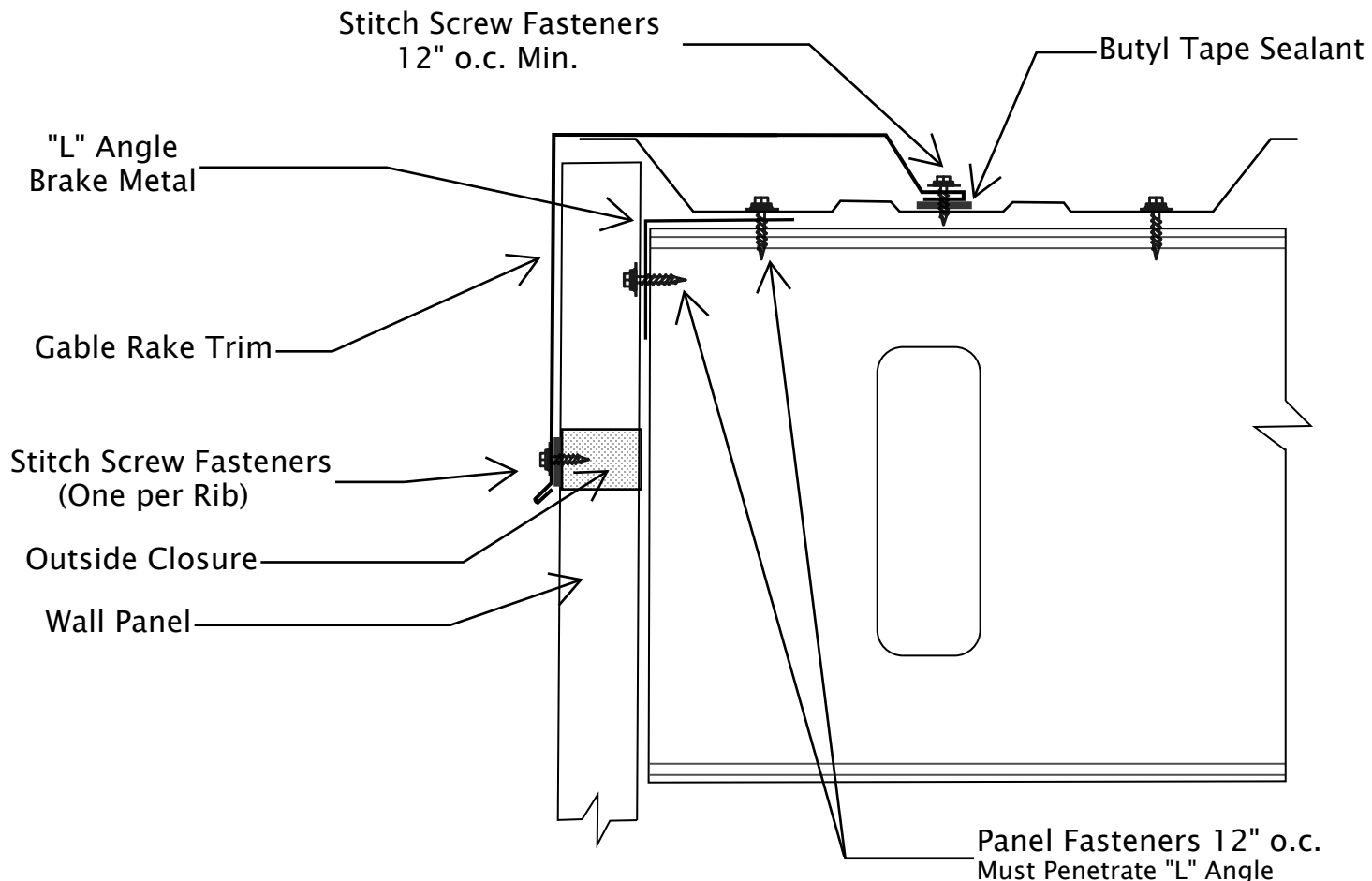


APPLICABLE SYSTEMS:
 * Multi-Rib
 * "R" Panel

003A/RRIB/01.2014



<p>DETAIL: #4</p> <p>Valley Flashing</p>	<p>NOTES</p> <hr/> <hr/> <hr/> <hr/> <hr/>	 <p>004/RRIB/01.2013</p>
<p>APPLICABLE SYSTEMS:</p> <ul style="list-style-type: none"> * Multi-Rib * "R" Panel 		



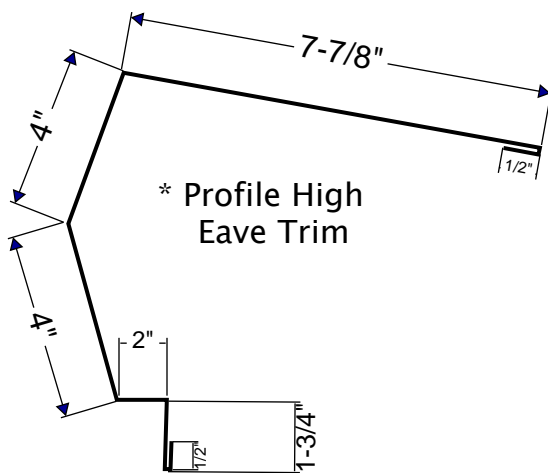
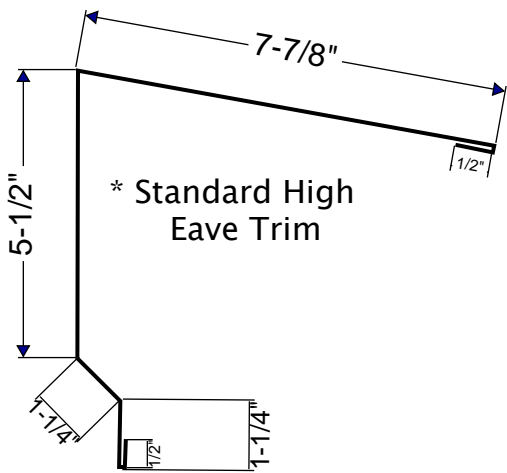
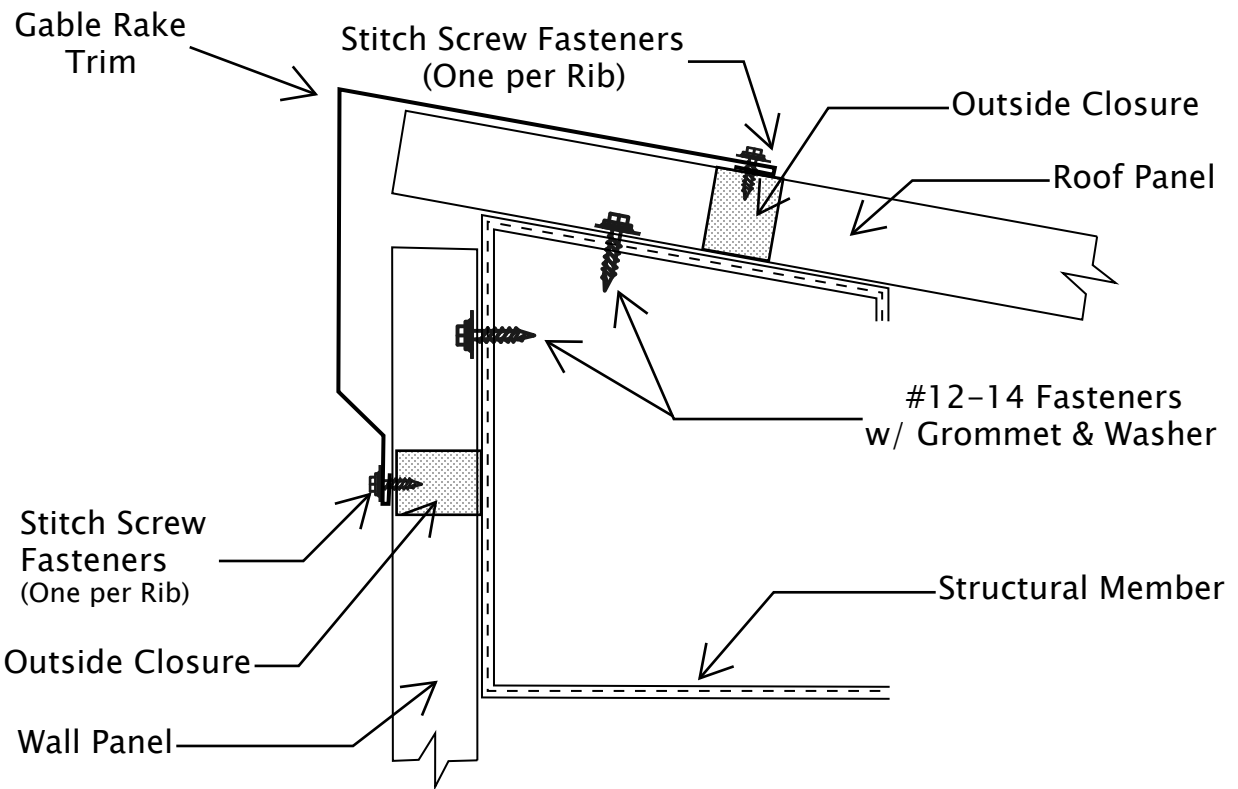
DETAIL: #5
Gable Trim

NOTES



APPLICABLE SYSTEMS:
* Multi-Rib
* "R" Panel

005/RRIB/01.2014
005A/RRIB/01.2014



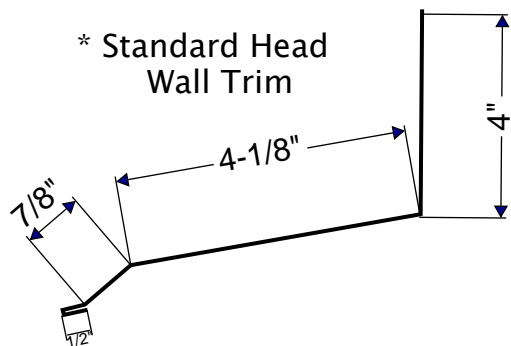
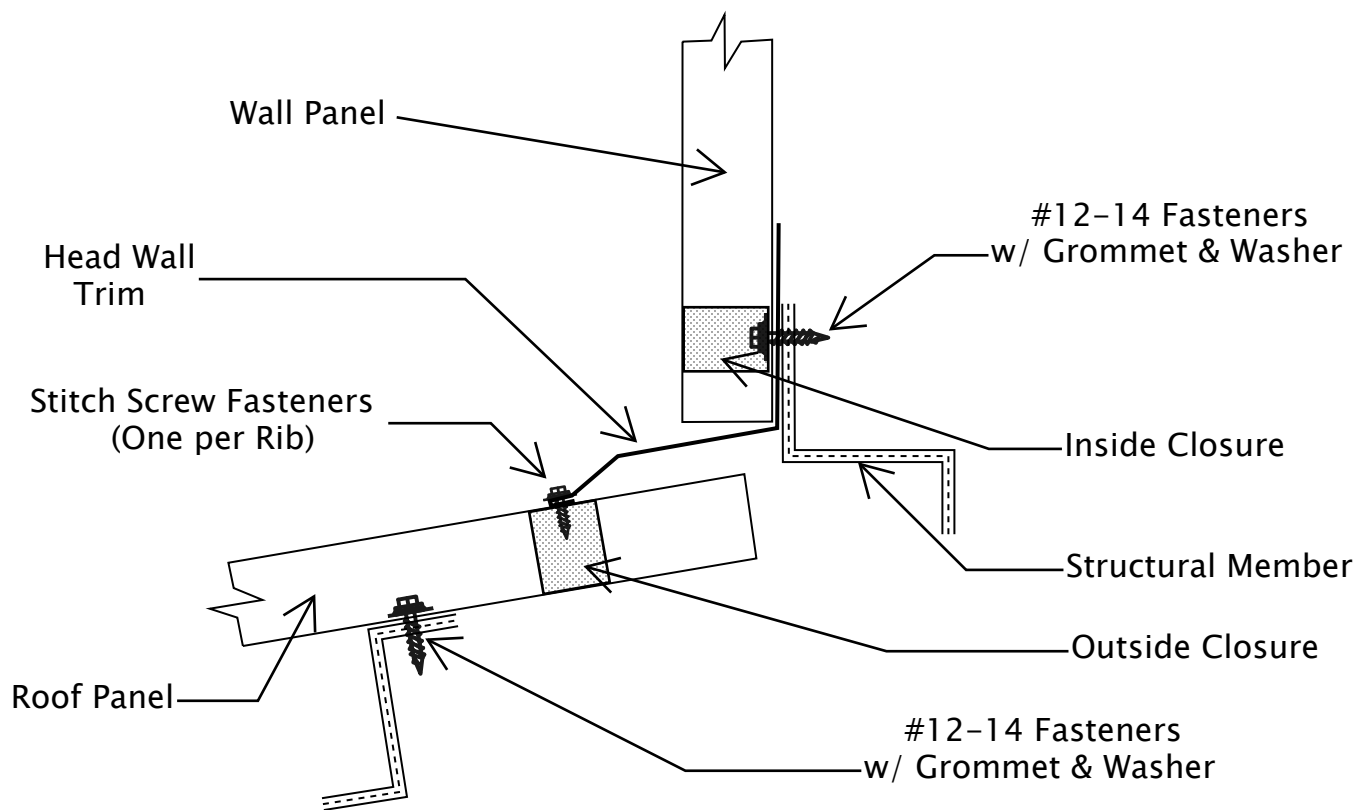
DETAIL: #6
High Eave Trim

NOTES



APPLICABLE SYSTEMS:
 * Multi-Rib
 * "R" Panel

006/RRIB/01.2013
 006A/RRIB/01.2013



DETAIL: #7

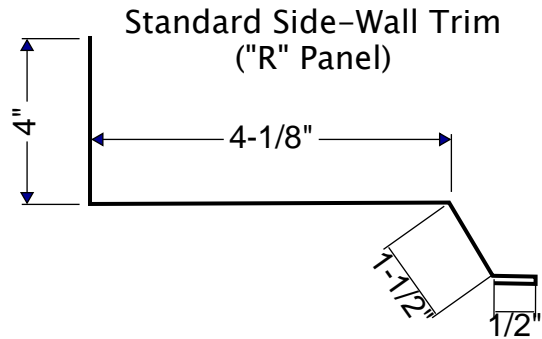
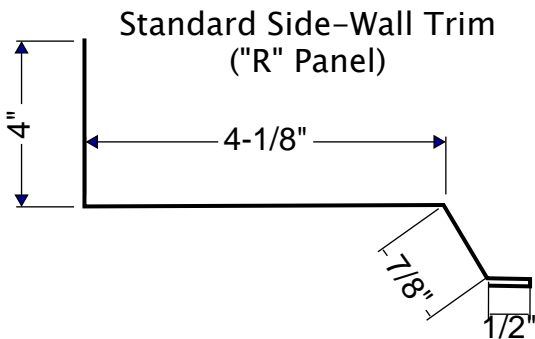
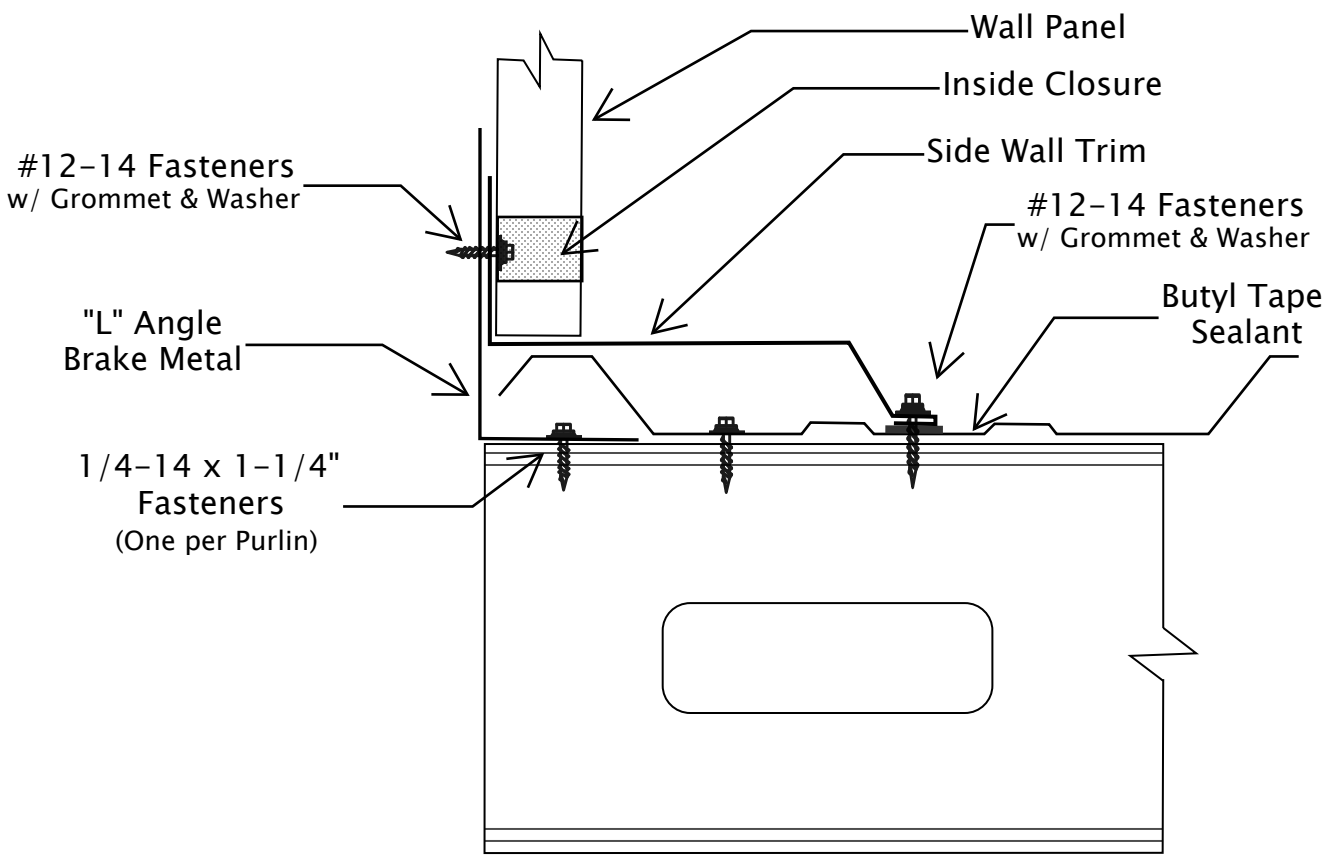
NOTES



APPLICABLE SYSTEMS:

- * Multi-Rib
- * "R" Panel

007/RRIB/01.2014



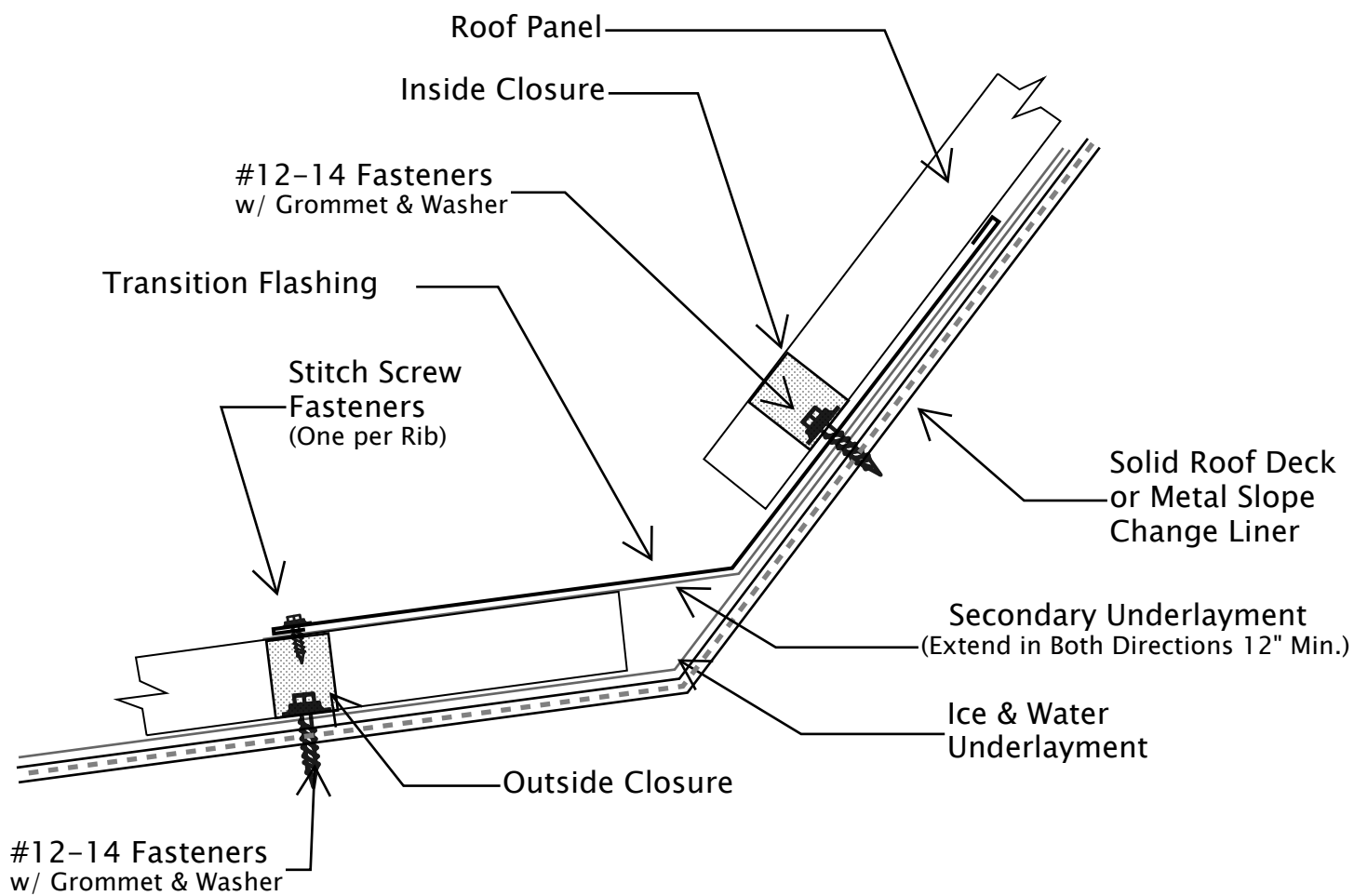
DETAIL: #8
Side Wall
Trim

NOTES

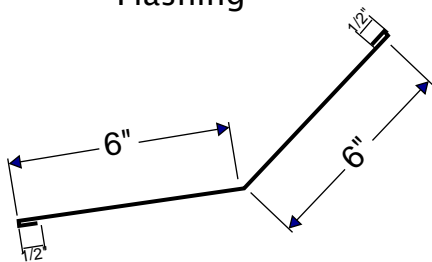



APPLICABLE SYSTEMS:
* Multi-Rib
* "R" Panel

008/RRIB/01.2014



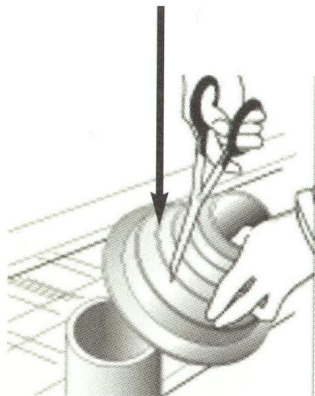
* Standard Transition Flashing



<p>DETAIL: #9 Slope Transition Flashing</p>	<p>NOTES</p> <hr/> <hr/> <hr/> <hr/> <hr/>	 <p>009/RRIB/01.2014</p>
<p>APPLICABLE SYSTEMS: * Multi-Rib * "R" Panel</p>		

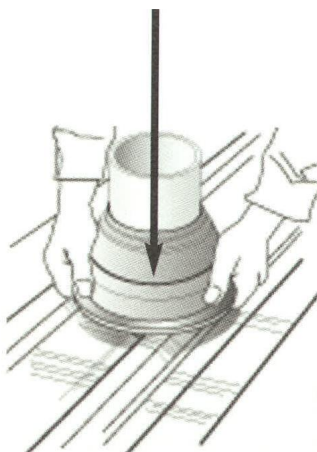
Step 1

Cut on the proper pipe diameter marking on the pipe boot



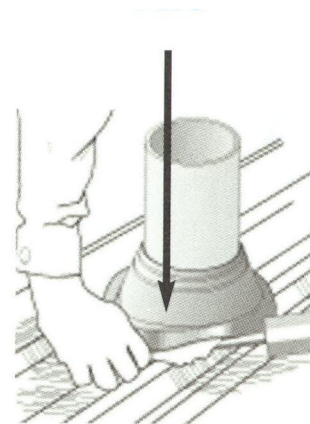
Step 2

Position the boot over the pipe and slide down



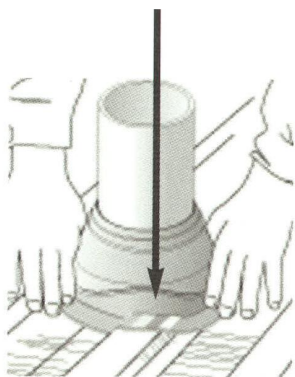
Step 3

Apply polyurethane sealant to the bottom of the base



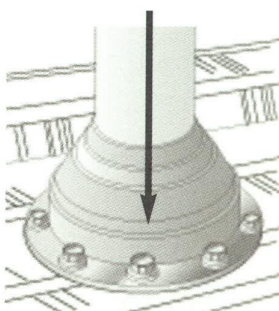
Step 4

Mold the flexible base to the contours of the roof panel

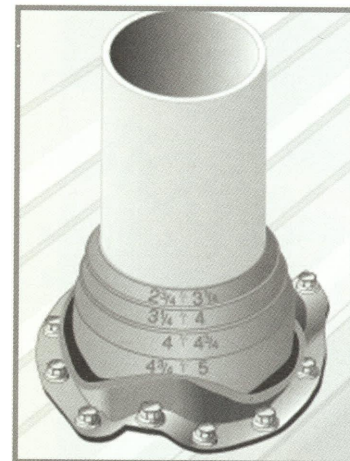


Step 5

Fasten with 1/4" x 1-1/8" self drilling fastener every 1-1/2" around the base



Complete



FASTENING RECOMMENDATION

Corrosion resistant fasteners should be used around the base one every 1-1/2 inches as per the United Plumbing Code (UPC) recommendations. Refer to size chart for the quantity to use.



DESCRIPTION

1/4-14 x 1-1/8" DP1 long pilot self-drilling fastener with long-life stainless steel or zinc die cast head.

SEALANT RECOMMENDATION

Polyurethane sealant should be used under the base to assure a proper seal. If you prefer, additional sealant can be applied around base after installation.

**DETAIL: #10
Vent Pipe
Flashing**

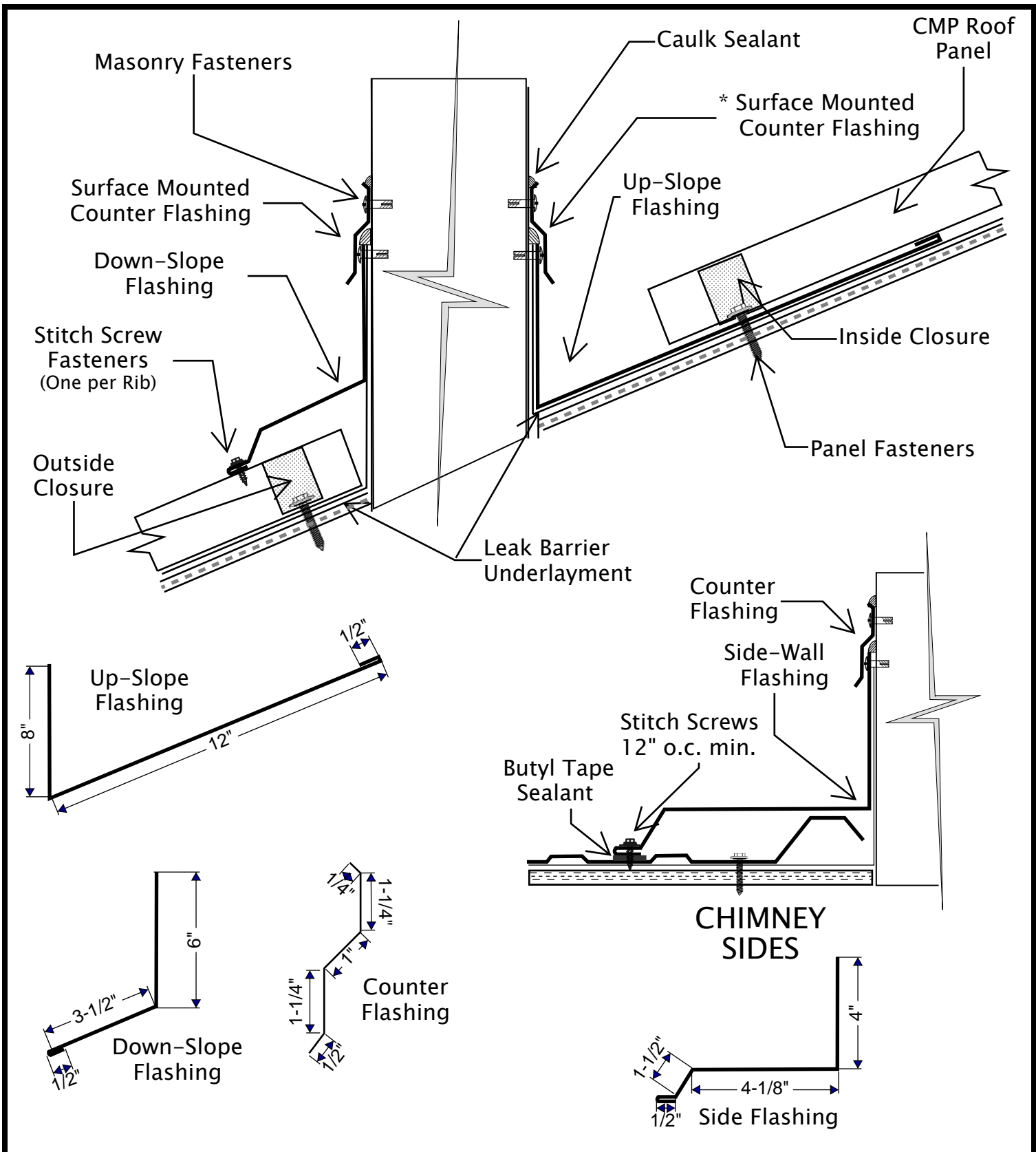
NOTES



APPLICABLE SYSTEMS:

- * Multi-Rib
- * "R" Panel

010/RRIB/01.2014

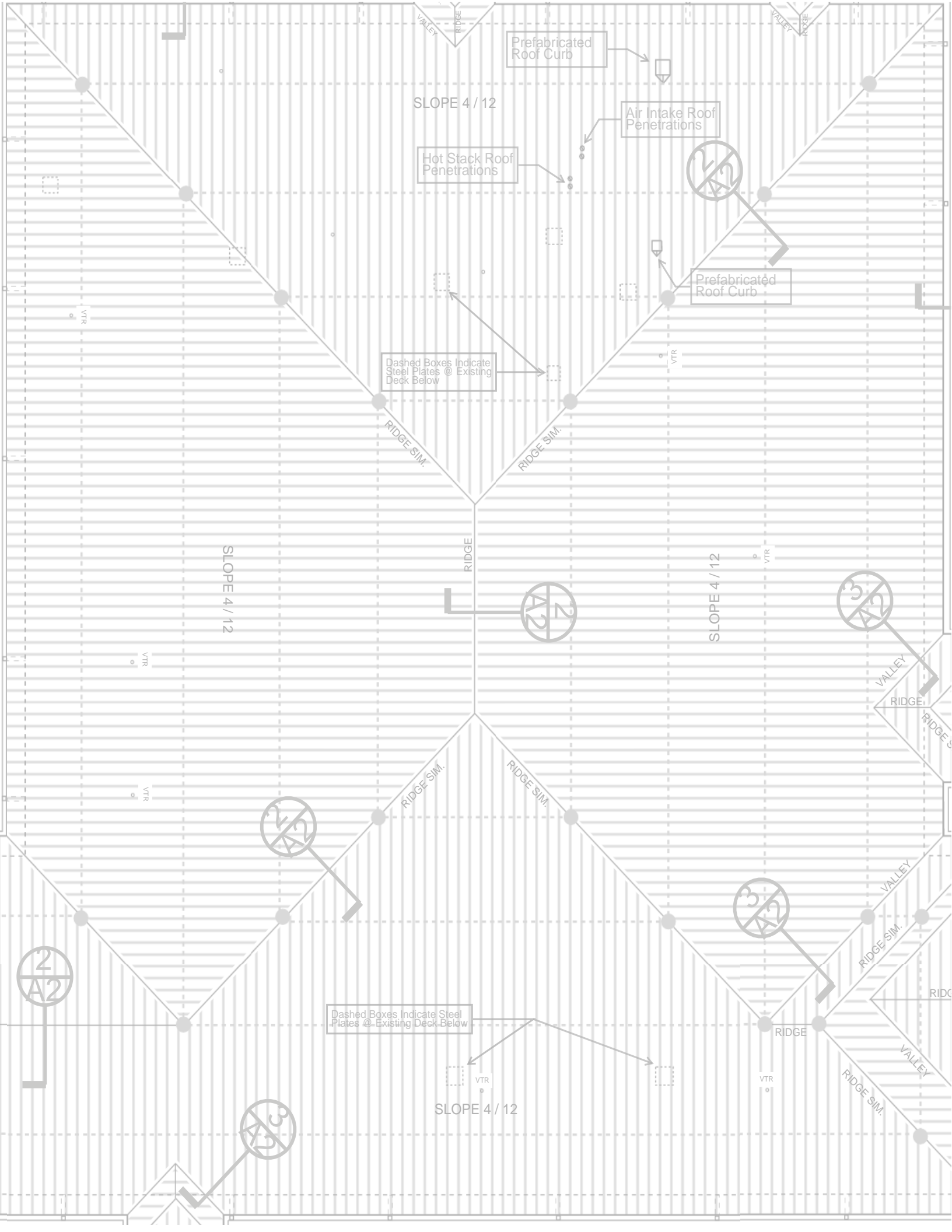


DETAIL: #11
Chimney Flashing

APPLICABLE SYSTEMS:
 * Multi-Rib
 * "R" Panel

NOTES

011/RRIB/01.2014



Prefabricated Roof Curb

SLOPE 4 / 12

Hot Stack Roof Penetrations

Air Intake Roof Penetrations

2/A2

Prefabricated Roof Curb

Dashed Boxes Indicate Steel Plates @ Existing Deck Below

RIDGE SIM.

RIDGE SIM.

SLOPE 4 / 12

RIDGE

SLOPE 21 / 4

2/A2

3/A2

VALLEY

RIDGE

RIDGE SIM.

RIDGE SIM.

2/A2

VALLEY

RIDGE SIM.

2/A2

3/A2

Dashed Boxes Indicate Steel Plates @ Existing Deck Below

SLOPE 4 / 12

VTR

VTR

3/A3

VALLEY

RIDGE SIM.

FIND OUT MORE ABOUT CMP

Call

Toll Free

888-750-9827

This toll-free number connects you

Click

www.cmpmetalsystems.com

Our interactive website offers photos, details and other information regarding our entire line of quality metal roof and wall products

Come by

2204 West Front Street

Statesville, NC 28677

Our facility is staffed with experts who are always happy to answer any questions you may have.

Click Some More

On Facebook, check out our latest news and events.



CONSTRUCTION
METAL
PRODUCTS,

2204 West Front Street
Statesville, NC 28677
(888) 750-9827