# **Basic Panels & Accessories**





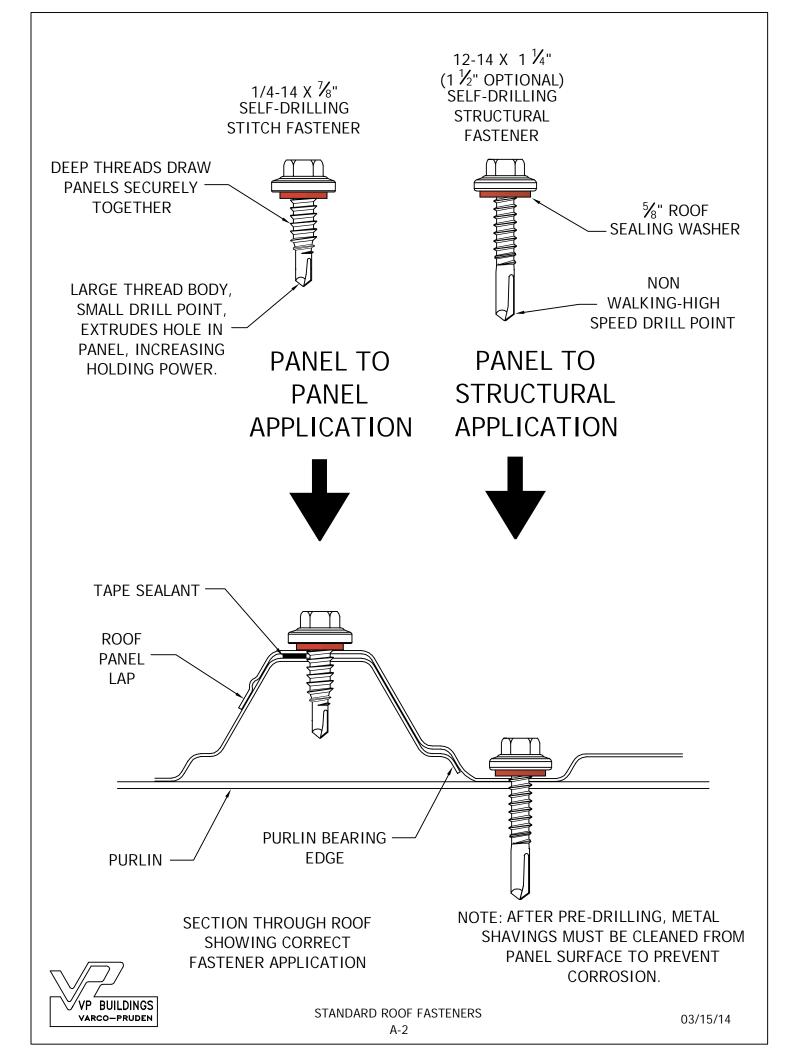
The field guide for correct installation of Varco Pruden's Wall and Roof Systems, Tuff-Lites, Wallites, Doors, Windows, Gutters and Trim. This page intentionally left blank.

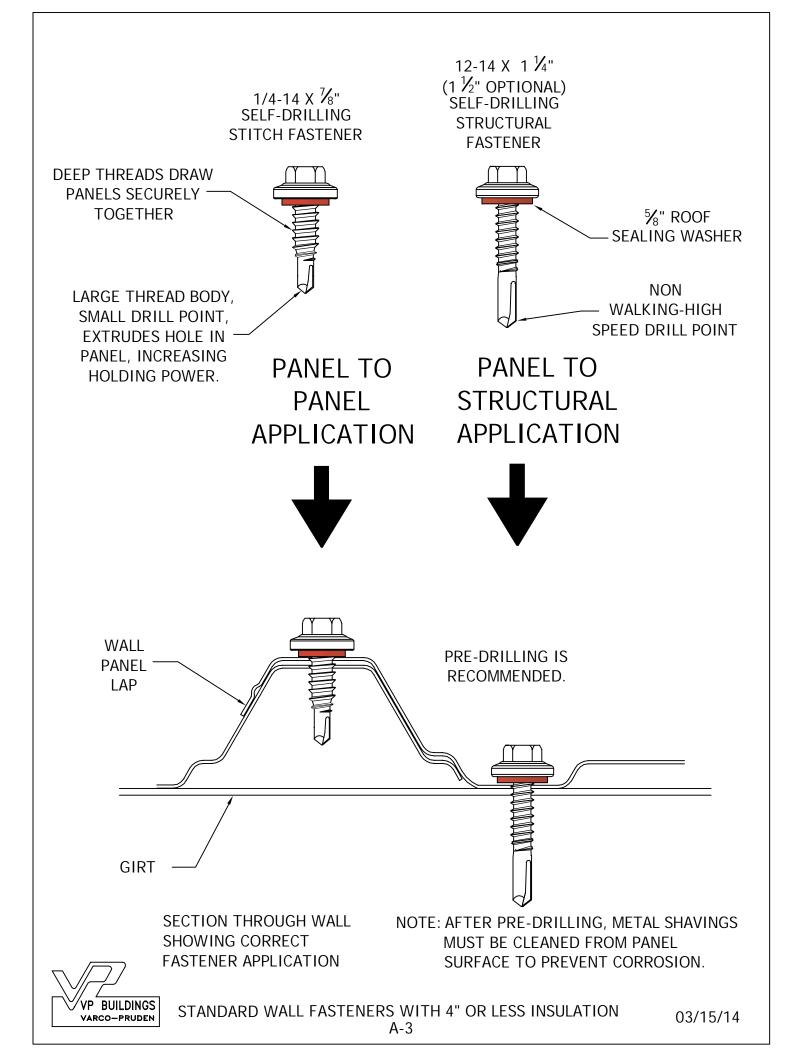
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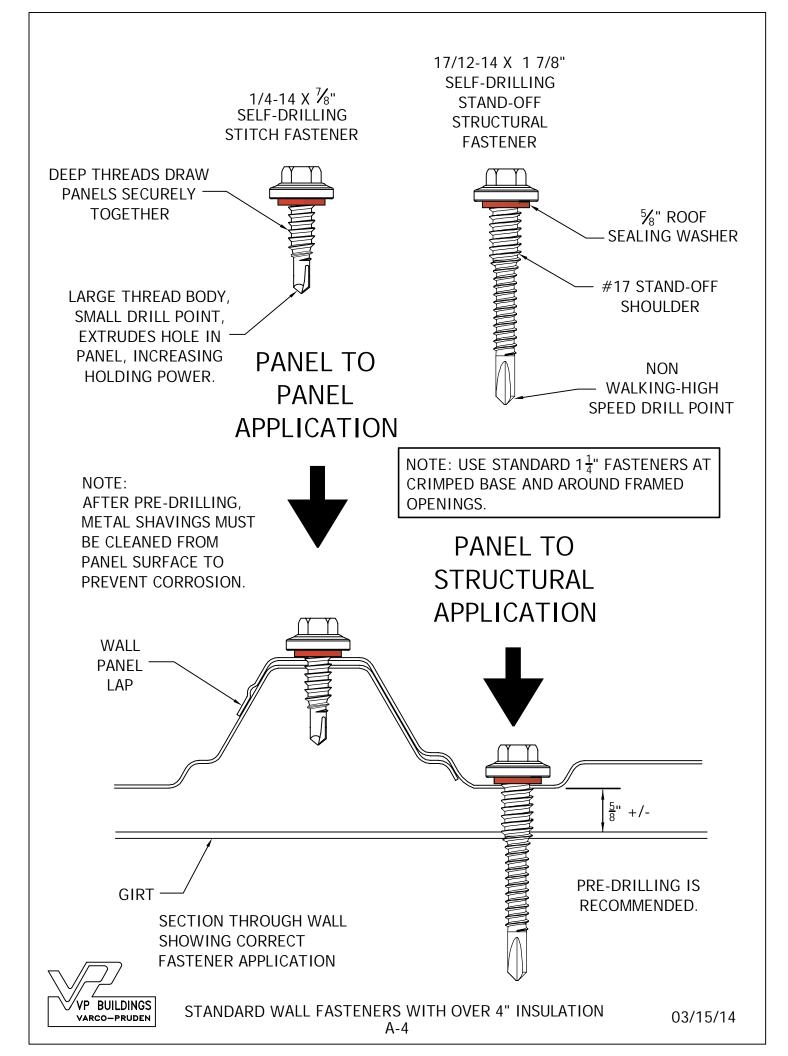
NOTE: BUILDING PLANS AND SED'S SUPERCEDE INSTALLATION GUIDE. SEE SED'S FOR SPECIFIC PART NUMBERS AND SEALANTS REQUIREMENTS.

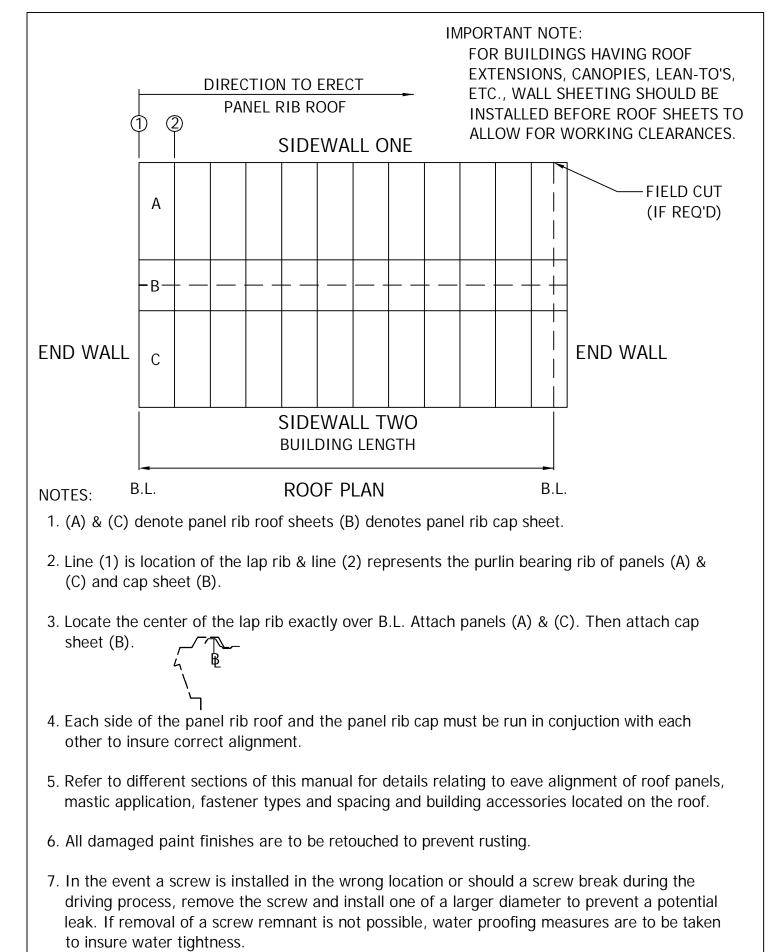


FASTENER		APPLICATION		
R O O F	#12-14 x 1 <sup>1</sup> ⁄ <sub>4</sub> " SELF - DRILL STRUCTURAL FASTENER W/ 5⁄8" O.D. SEALING WASHER (1 <sup>1</sup> ⁄ <sub>2</sub> " OPTIONAL)	<ul> <li>PANEL TO STRUCTURAL CONNECTIONS</li> <li>TUF-LITE INSTALLATION (UL-60)</li> </ul>		
R O O F	<sup>1</sup> ⁄ <sub>4</sub> -14 x <sup>7</sup> ⁄ <sub>8</sub> " SELF - DRILL STITCH FASTENER W/ <sup>5</sup> ⁄ <sub>8</sub> " O.D. SEALING WASHER	<ul> <li>PANEL TO PANEL CONNECTIONS</li> <li>TUF-LITE INSTALLATION (UL-60)</li> <li>GUTTER</li> </ul>		
R O F	#12-14 x 1 $\frac{1}{4}$ " SELF - DRILL STRUCTURAL FASTENER W/ $\frac{1}{8}$ " O.D. SEALING WASHER (1 $\frac{1}{2}$ " OPTIONAL)	<ul> <li>PANEL TO STRUCTURAL CONNECTIONS</li> <li>TUF-LITE INSTALLATION (UL-90)</li> </ul>		
R O O F	$\frac{1}{4}$ - 14 x 1 1/8" SELF - DRILL STITCH FASTENER W/ $\frac{7}{8}$ " O.D. SEALING WASHER	<ul> <li>PANEL TO PANEL CONNECTIONS</li> <li>TUF-LITE INSTALLATION (UL-90)</li> </ul>		
W A L ↓	#12-14 x 1 ¼" SELF - DRILL STRUCTURAL FASTENER W/ 5%" O.D. SEALING WASHER	<ul><li>PANEL TO STRUCTURAL CONNECTIONS</li><li>TRIM TO STRUCTURALS</li></ul>		
W A L L	#17/12-14 x 1 7/8" SELF - DRILL STRUCTURAL STAND-OFF FASTENER W/ <sup>5</sup> ⁄ <sub>8</sub> " O.D. SEALING WASHER	• PANEL TO STRUCTURAL CONNECTIONS WITH GREATER THAN 4" BLANKET INSULATION (EXCEPT AT CRIMPED BASE AND AT FRAMED OPENINGS)		
W A L J	¼-14 x <sup>7</sup> / <sub>8</sub> " SELF - DRILL STITCH FASTENER W/ <sup>5</sup> / <sub>8</sub> " O.D. SEALING WASHER	<ul><li>PANEL TO PANEL CONNECTIONS</li><li>TRIM TO PANELS</li></ul>		
M I S C.	VP-205 RIVET	<ul><li>LOUVERS</li><li>WALL LITES</li></ul>		
M I S C.	⅓" BLIND RIVET	• BUILDING TRIM, EAVE GUTTER LAPS & CLOSURES		
1. CHECK THE WAREHOUSE SHIPPING LIST FOR THE TYPE AND NUMBER OF FASTENERS SHIPPED. 2. THE ABOVE INFORMATION IS TO BE USED AS AN IDENTIFICATION GUIDE FOR THE PROPER APPLICATION OF EACH TYPE OF FASTENER. VP BUILDINGS VARCO-PRUDEN FASTENER IDENTIFICATION / APPLICATION GUIDE 03/15/14				









VP BUILDINGS VARCO-PRUDEN

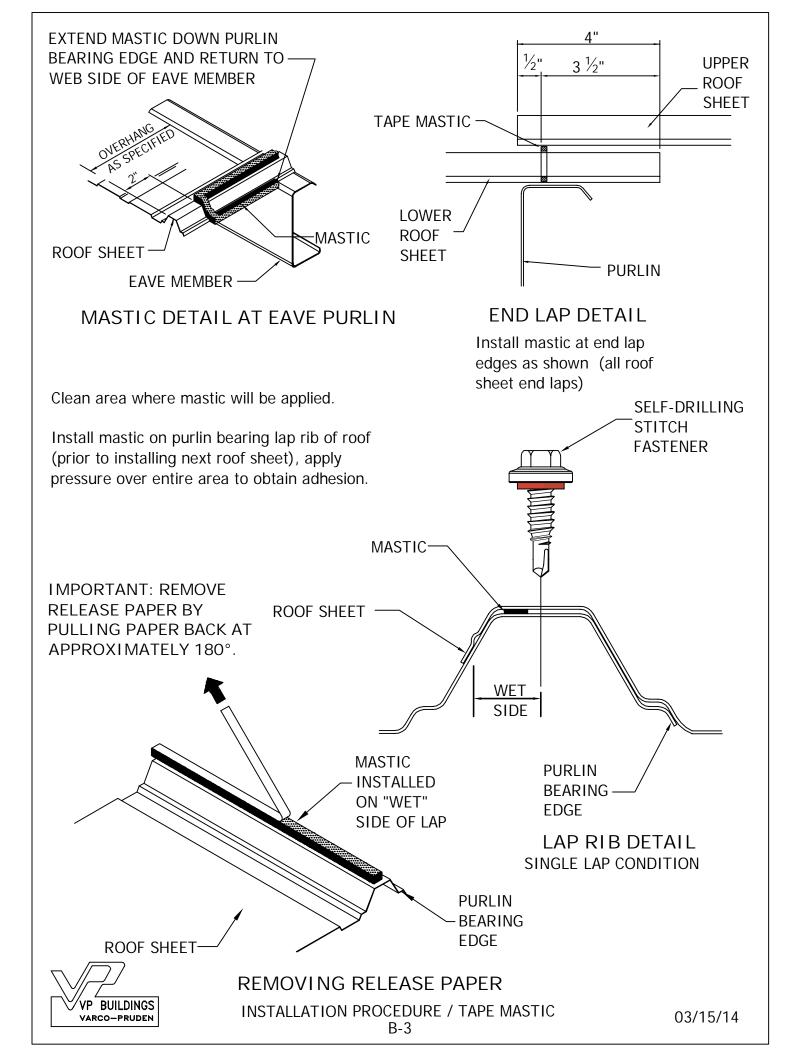
PANEL RIB INSTALLATION / ROOF PANELS B-1

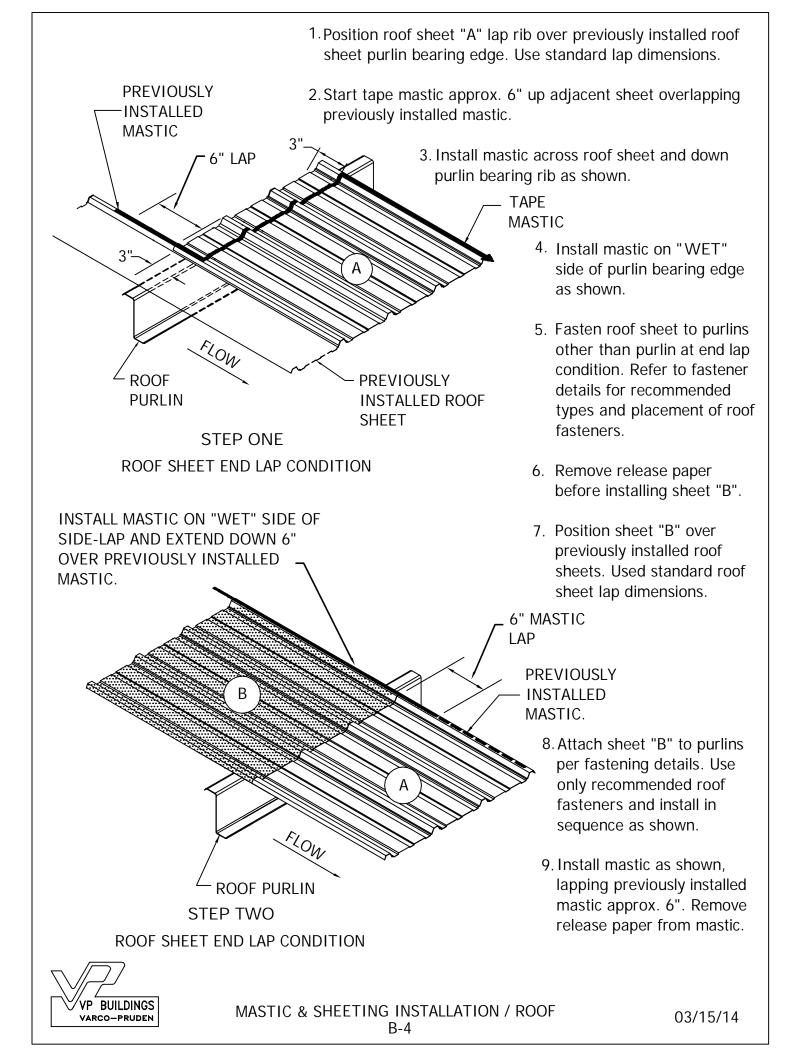
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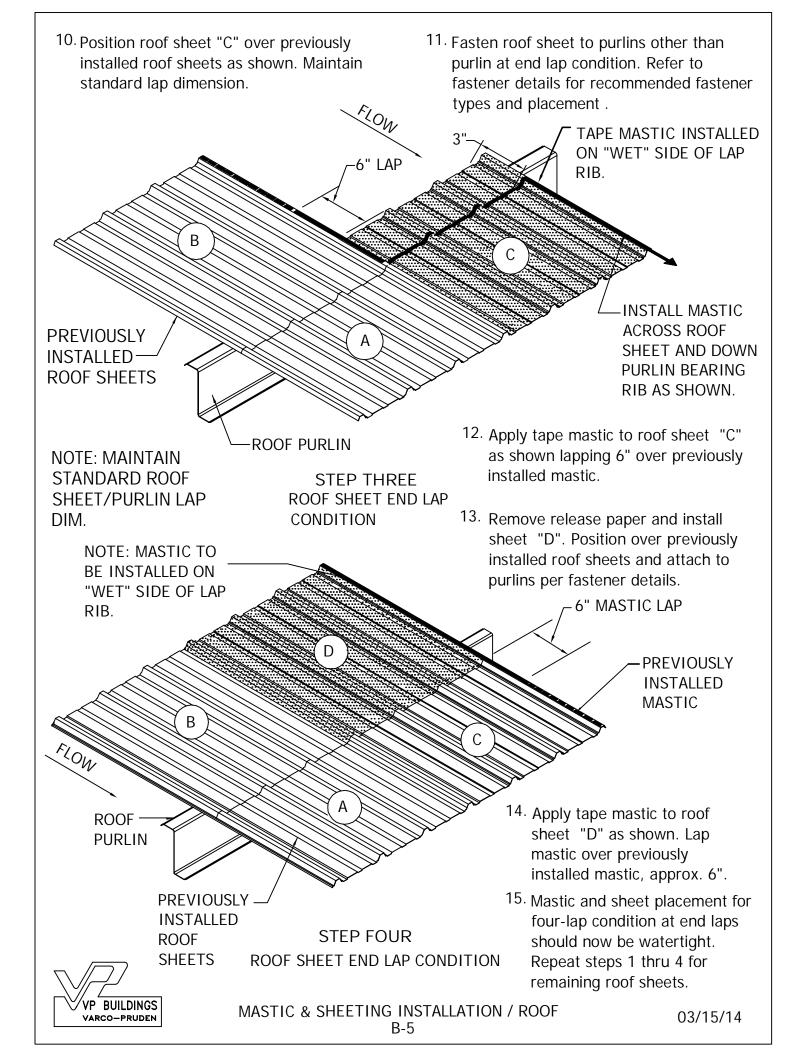
#### NOTES:

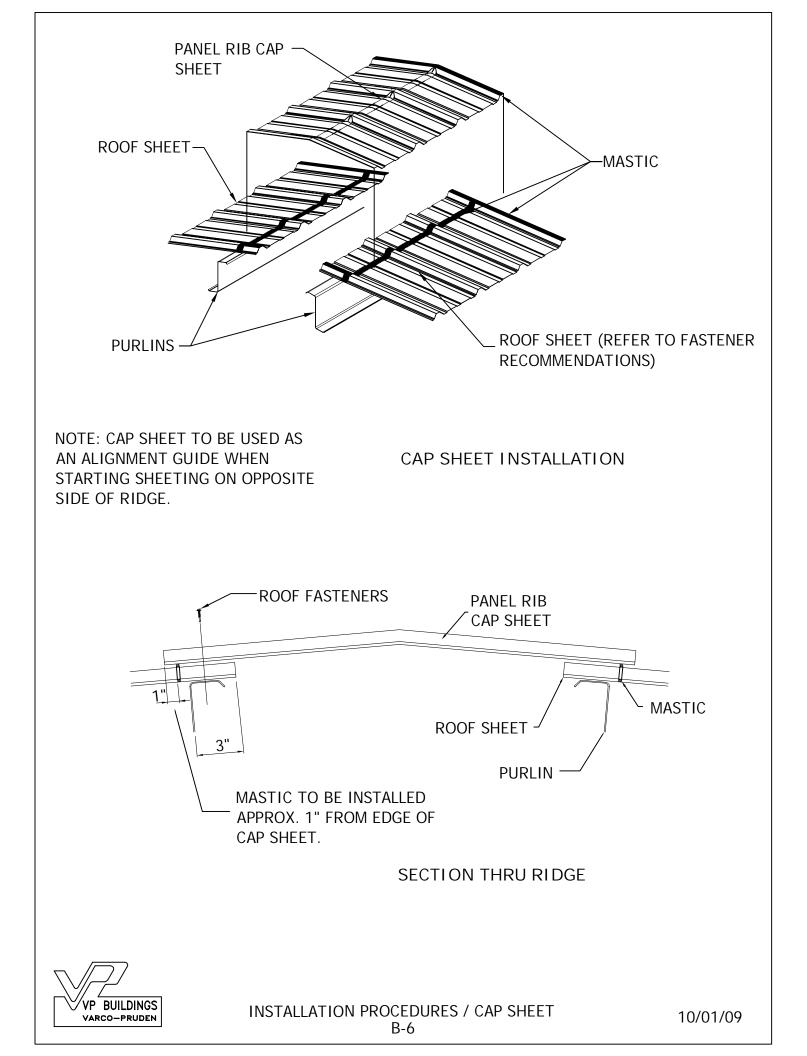
- 8.Concentrated heavy loads (personnel or materials) occurring on the roof during construction shall be distributed uniformly over a large area in such a manner as to prevent damage to building components.
- 9. All metal shavings occurring as a result of drilling operations on the roof are to be removed in such a manner as to prevent damage or staining of roof finish.

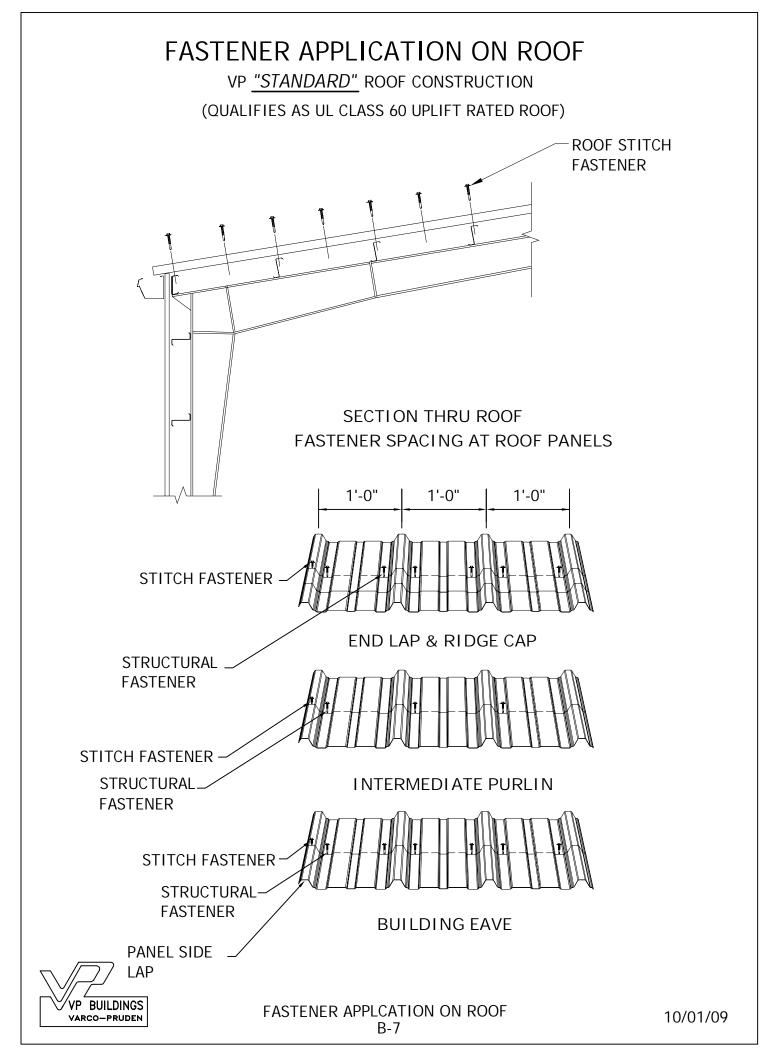


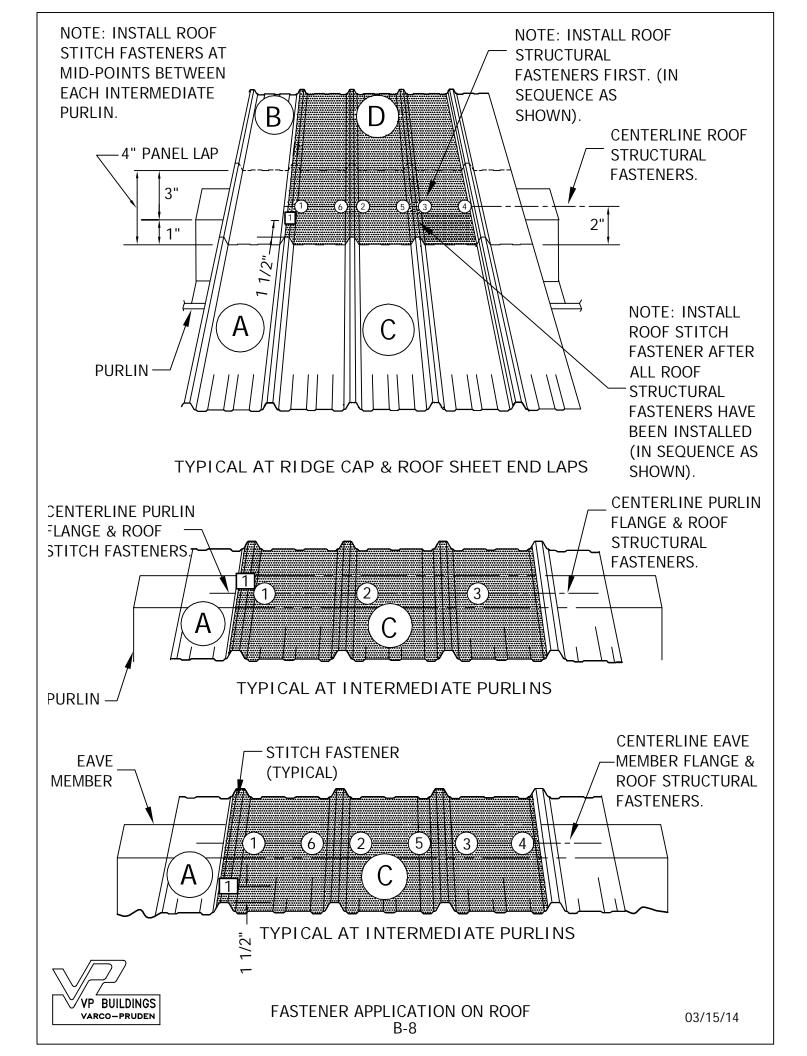


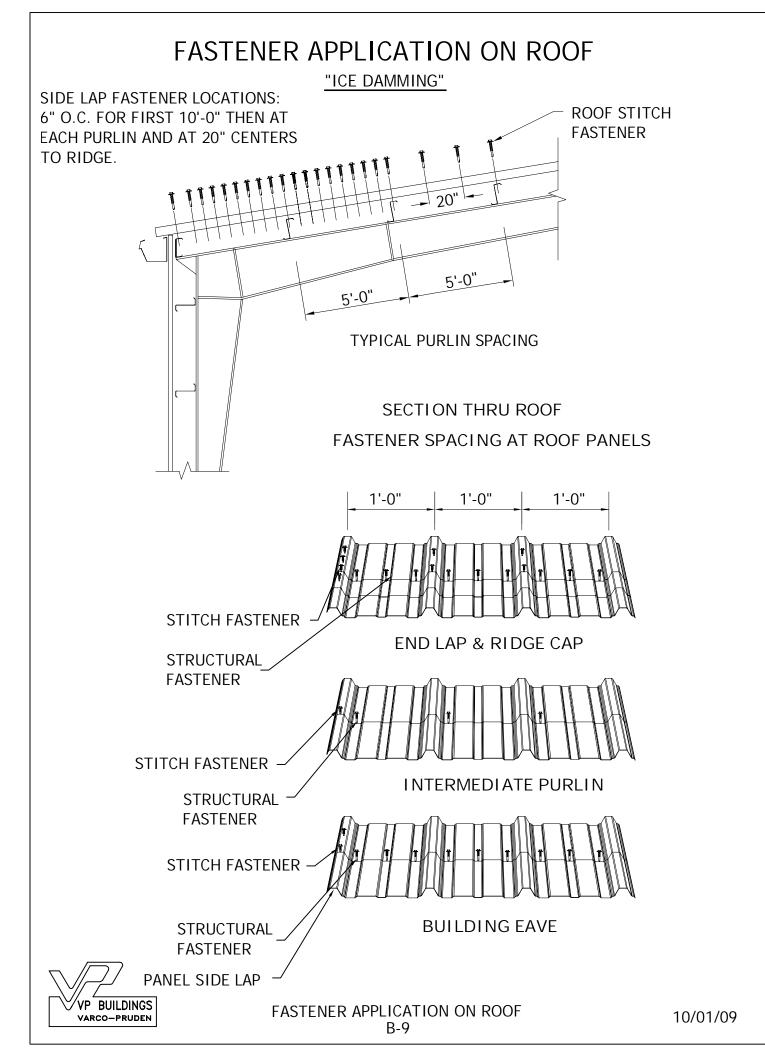


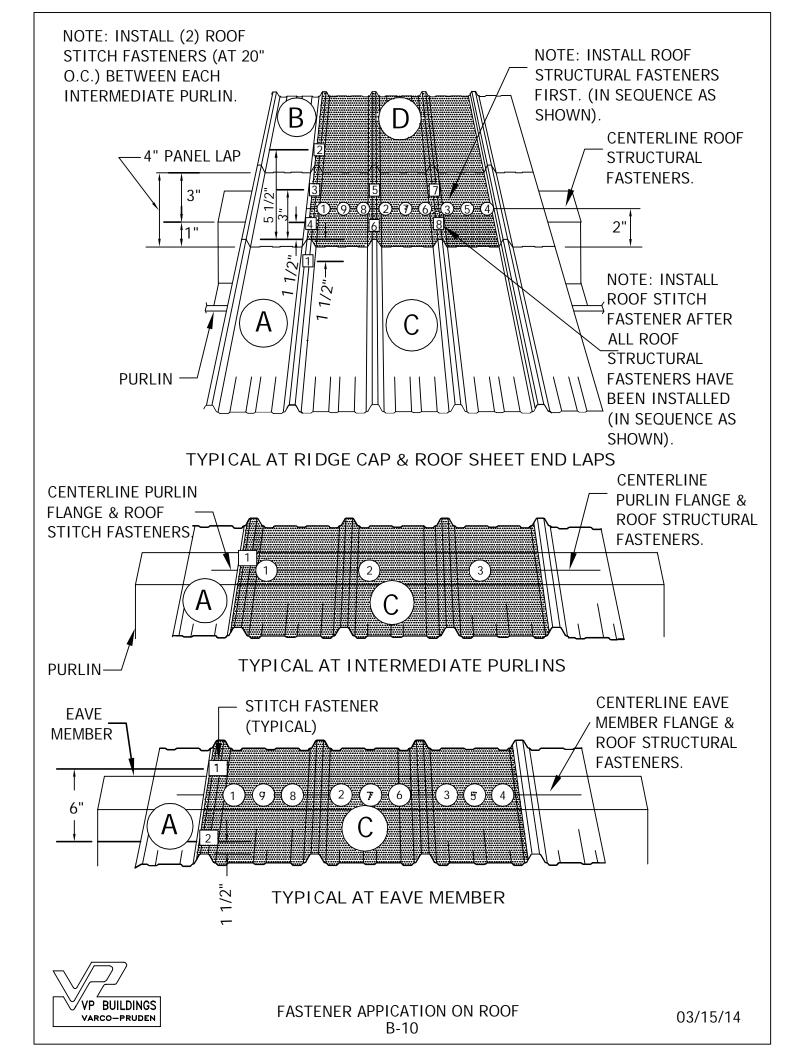


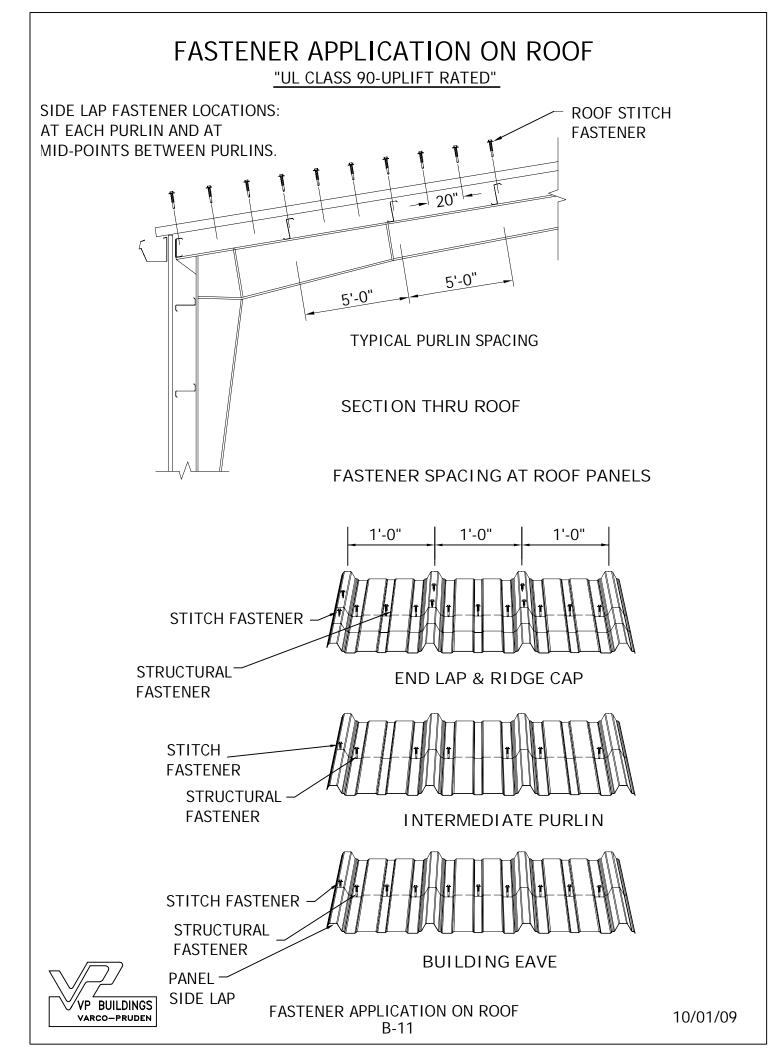


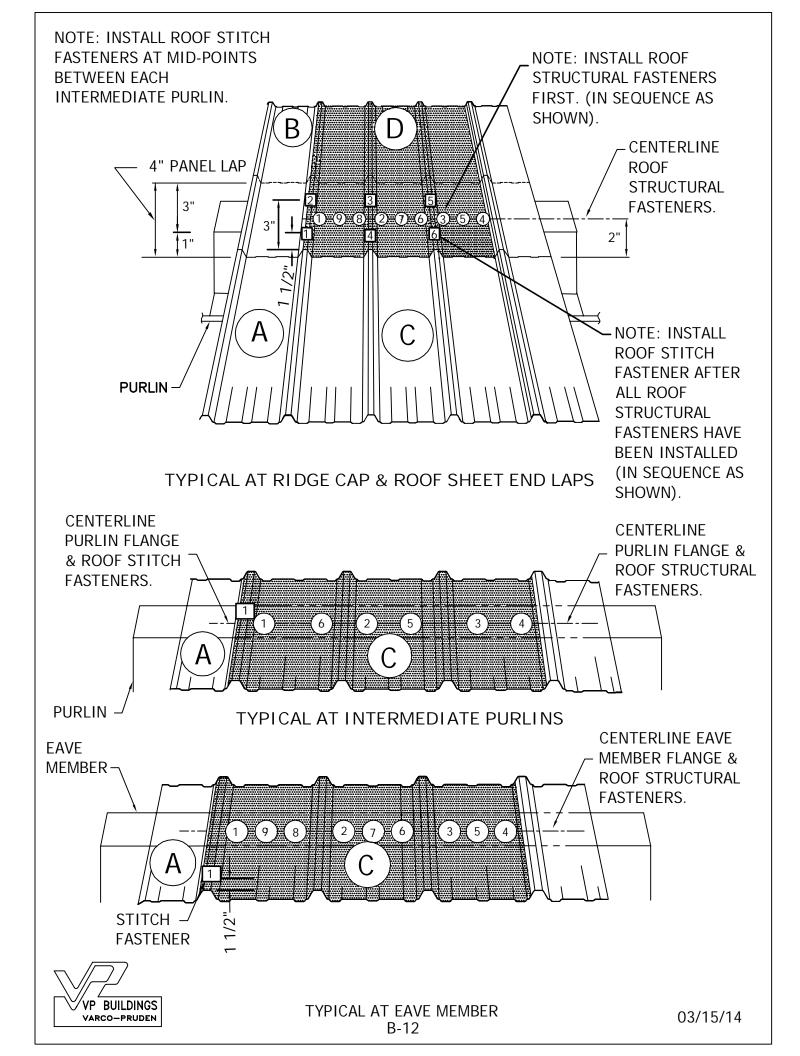


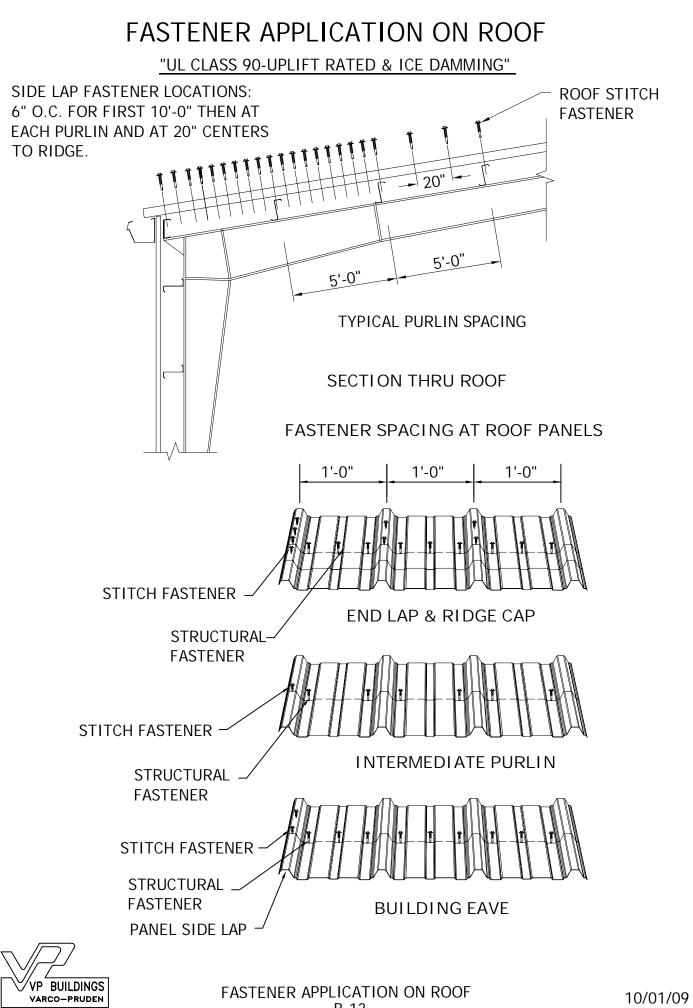




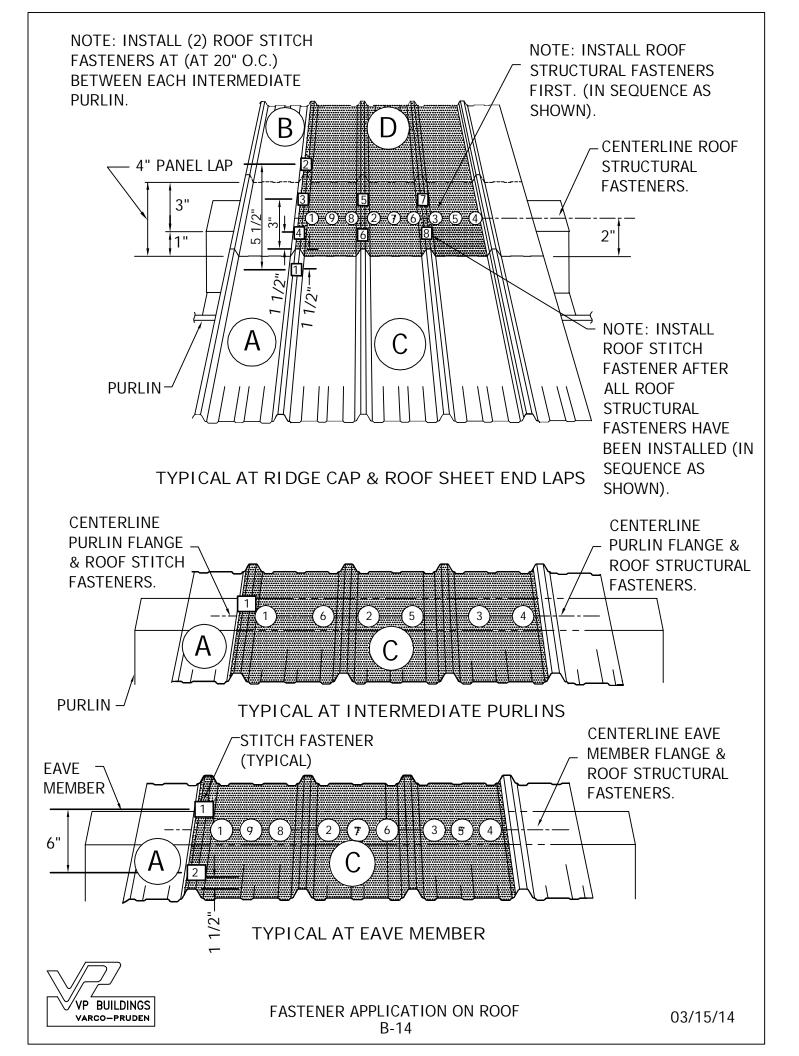


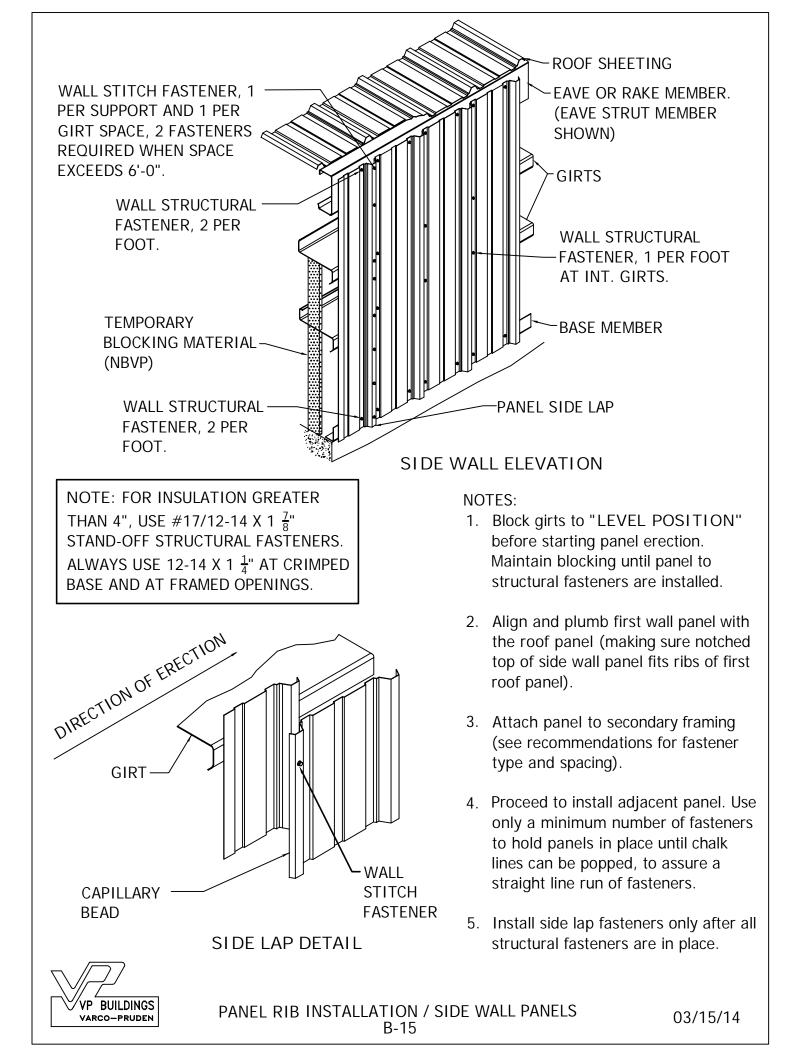


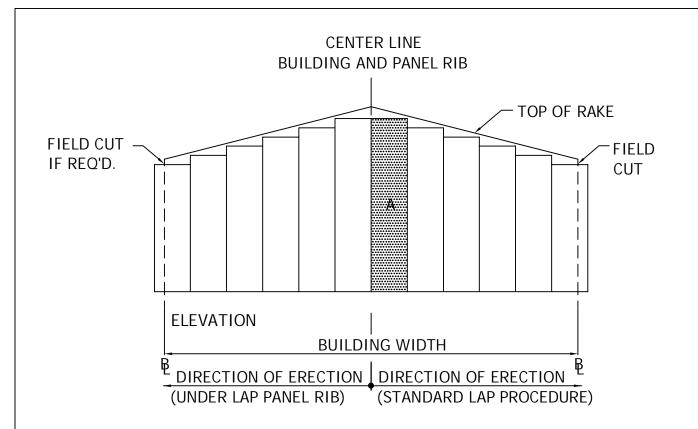




B-13







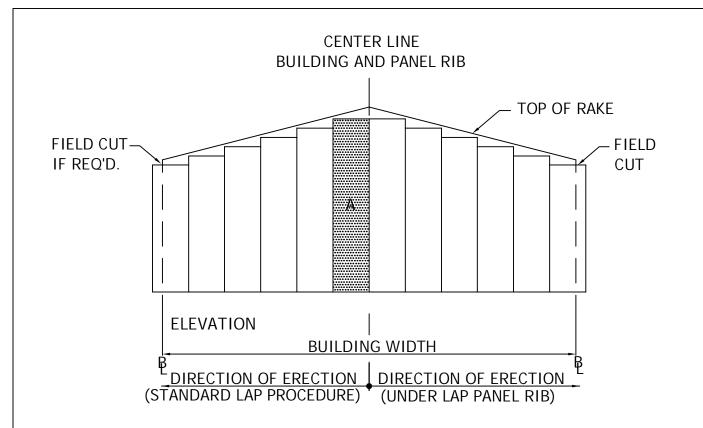
NOTE:

- 1. Endwall panel marked "A" will be installed first, make sure panel is plumb and that the center of the panel rib is located at the exact center of the building ridge .
- 2. Attach panel "A". Do not fasten along the left hand edge of panel. The rib of all remaining panels to the left of panel "A" must be underlapped.
- 3. Field cut panels at building line if required or back lap if acceptable.
- 4. As roof pitch increases, protective measures are to be taken to prevent personnel or materials from falling from building and resulting in bodily injury.



PANEL RIB "LEFT TO RIGHT" INSTALLATION / ENDWALLS B-16

03/15/14



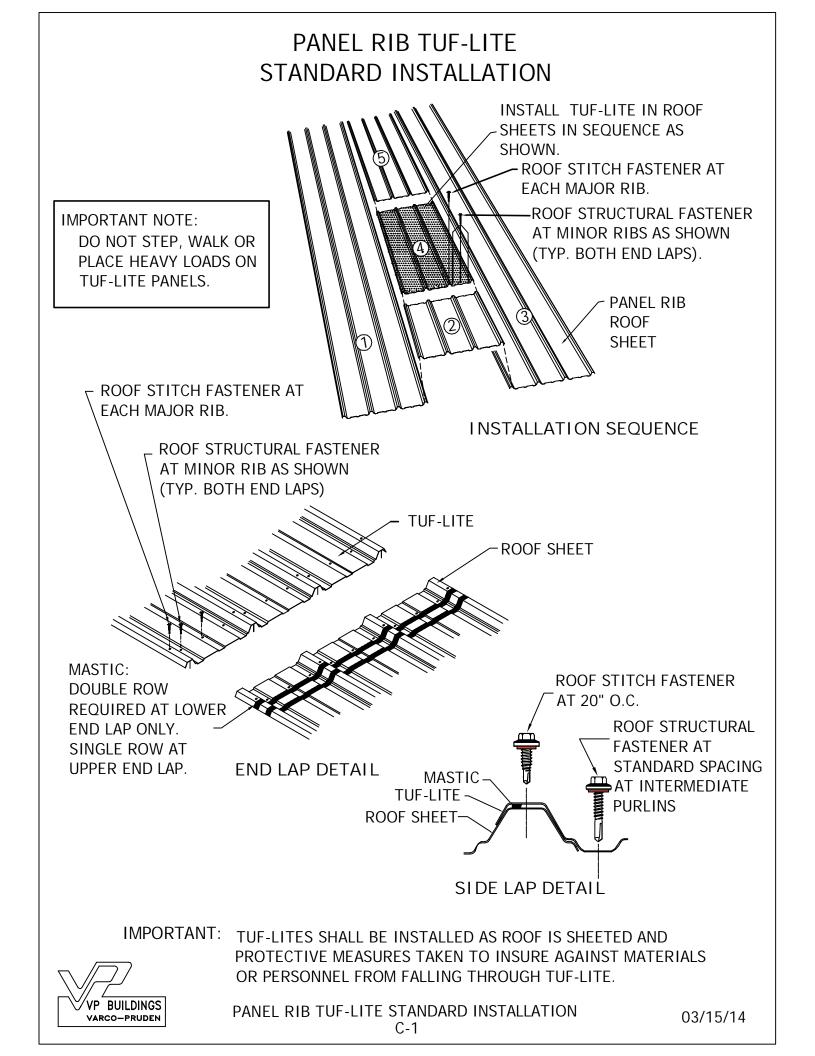
NOTE:

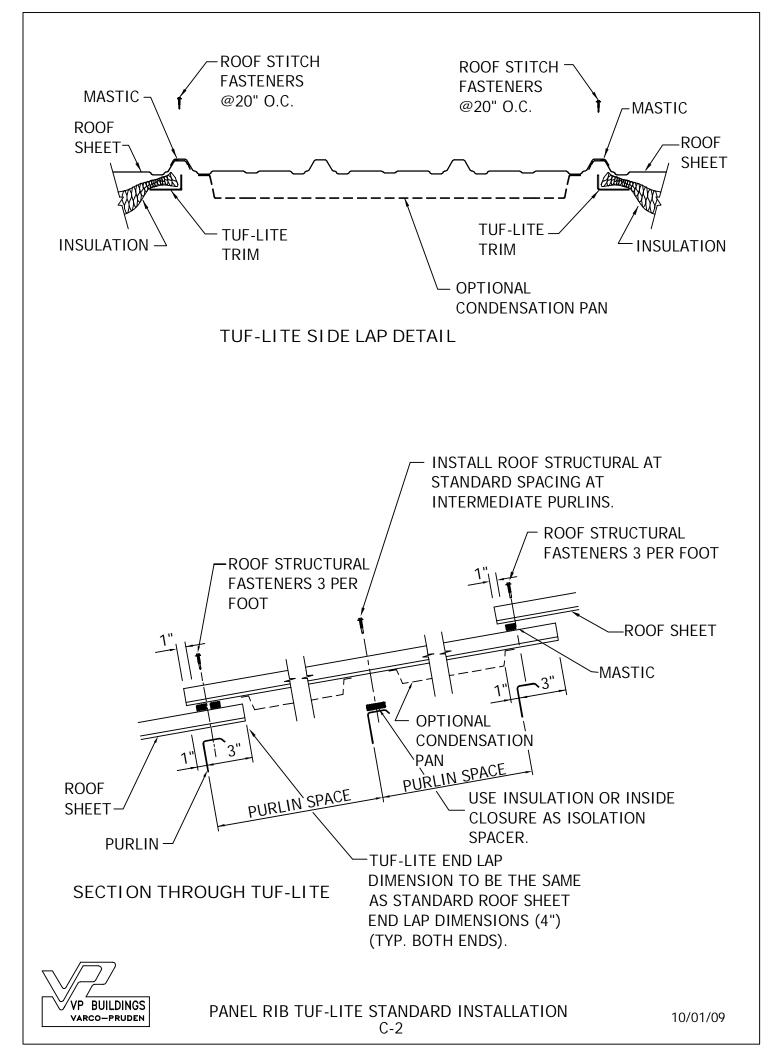
- 1. Endwall panel marked "A" will be installed first. Make sure panel is plumb and that the center of the panel rib is located at the exact center of the building ridge.
- Attach panel "A". Do not fasten along the right hand edge of panel. The panel rib of all remaining panels to the right of panel "A" MUST BE UNDERLAPPED.
- 3. Field cut panels at building line if required or back lap if acceptable.
- 4. As roof pitch increases, protective measures are to be taken to prevent personnel or materials from falling from building and resulting in body injury.

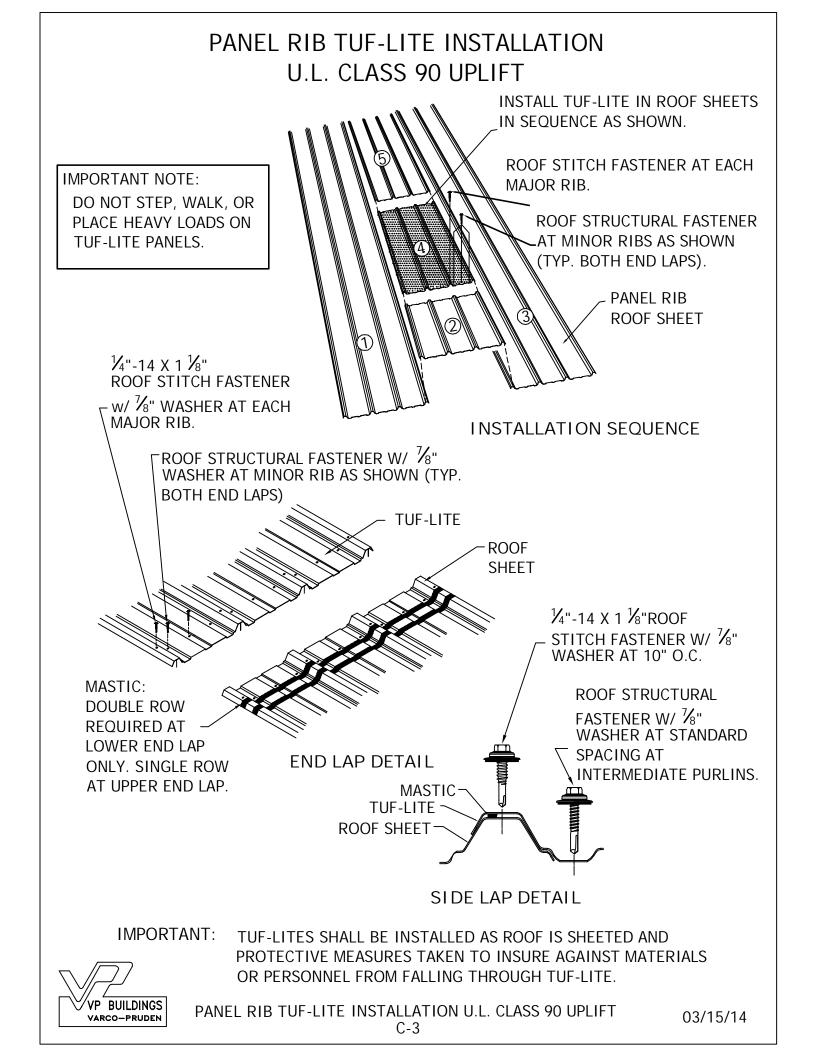


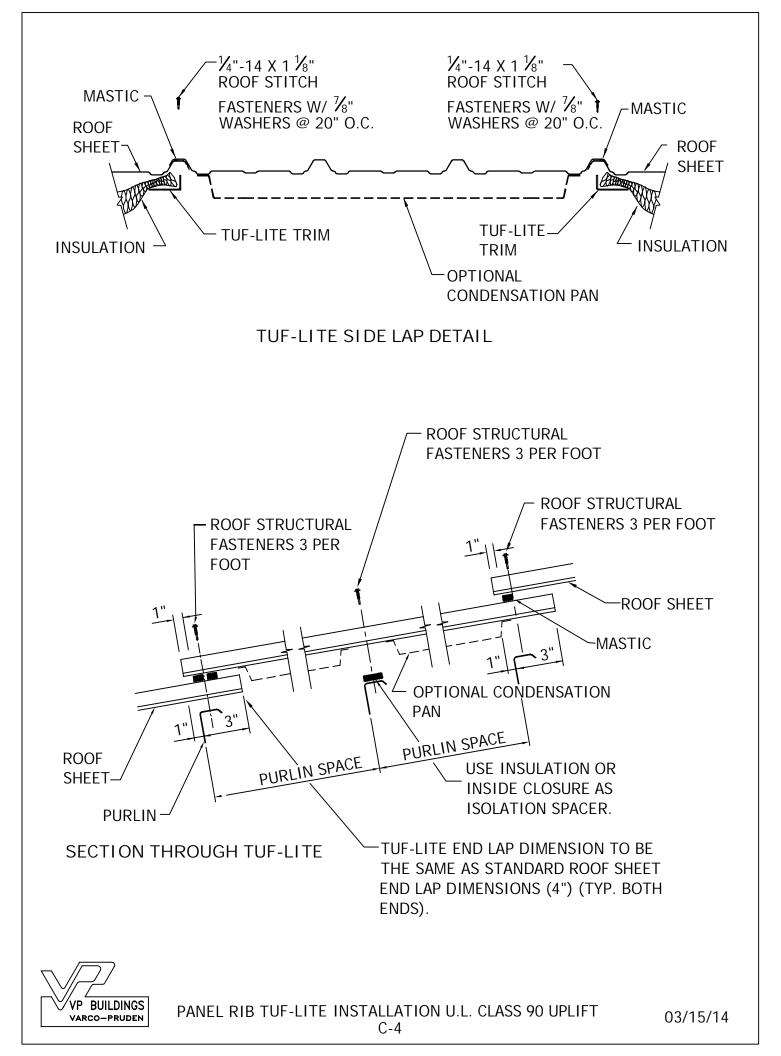
PANEL RIB "RIGHT TO LEFT" INSTALLATION / ENDWALLS

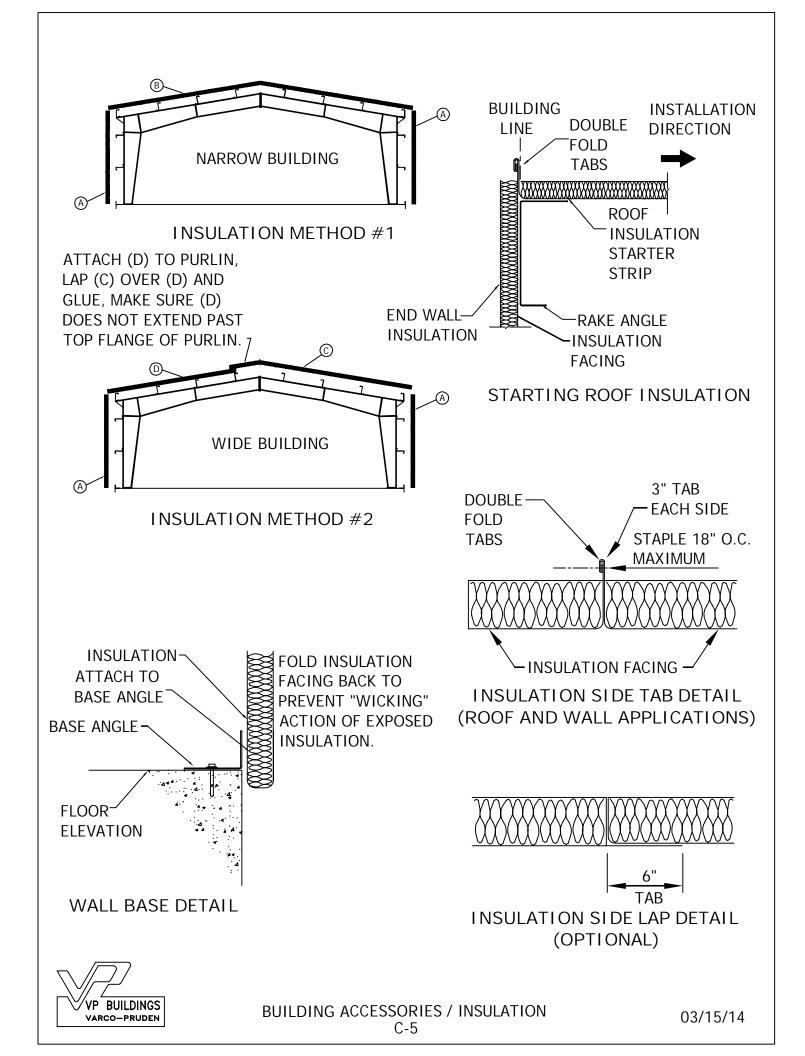
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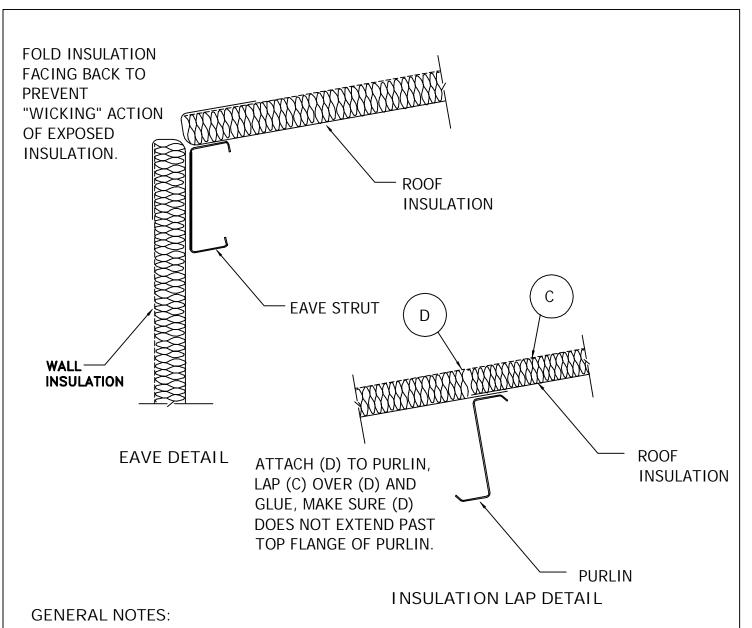








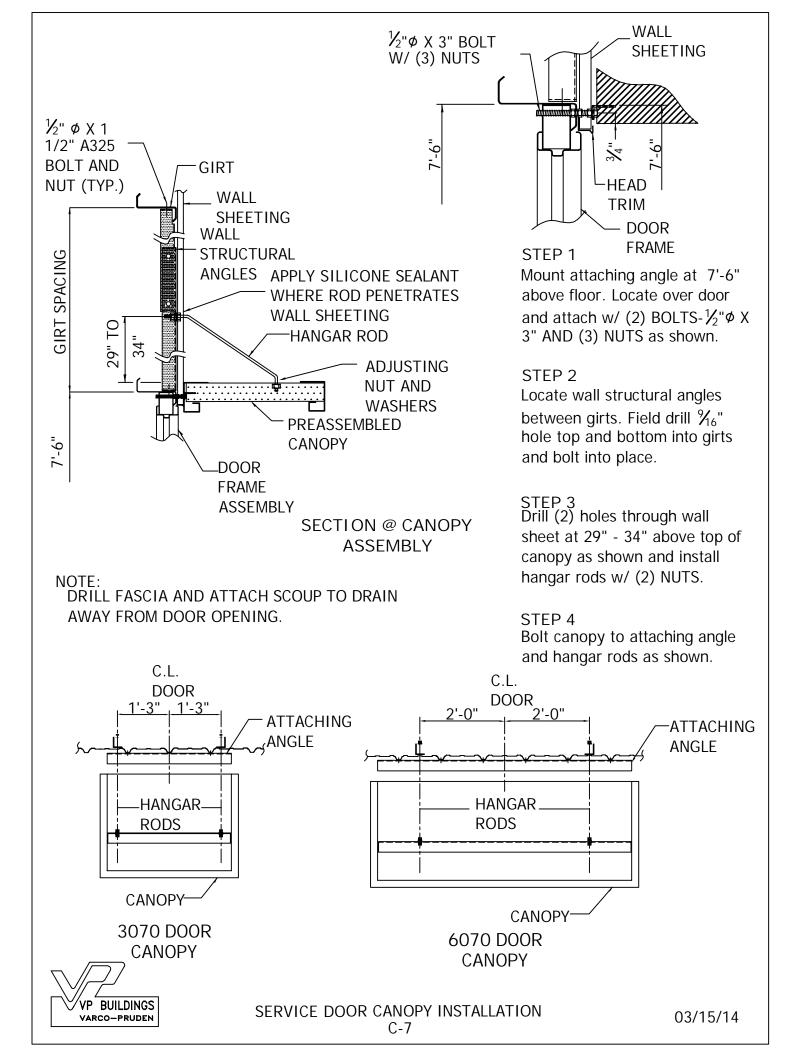


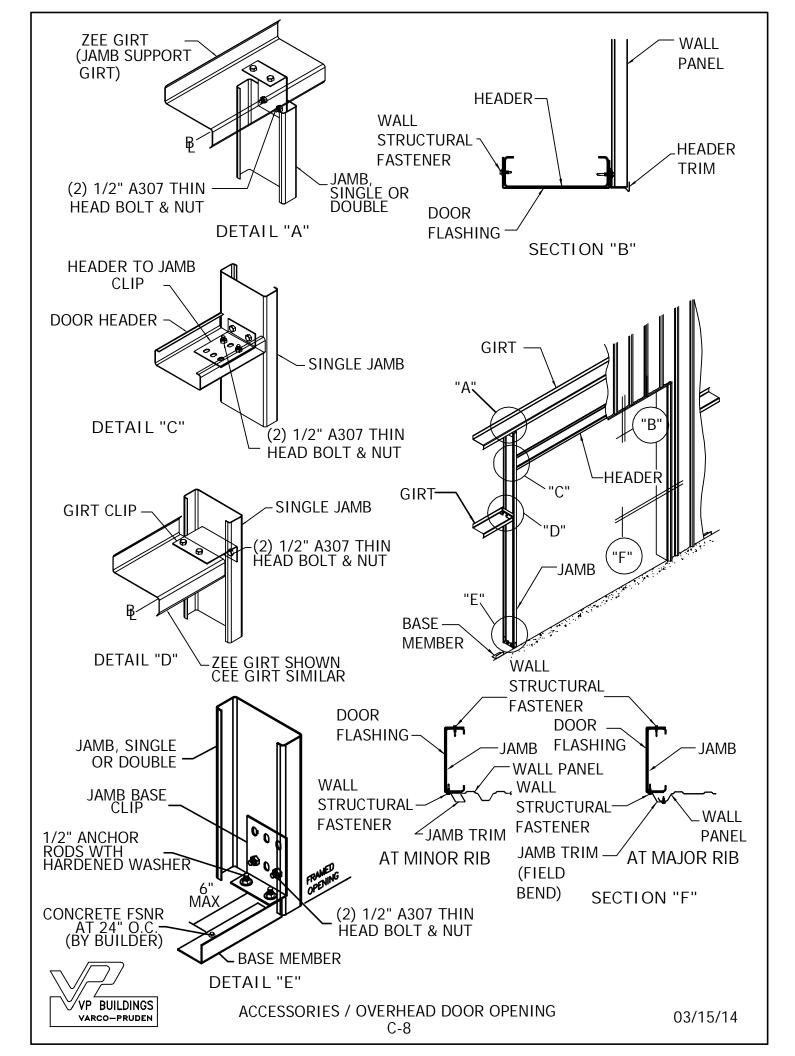


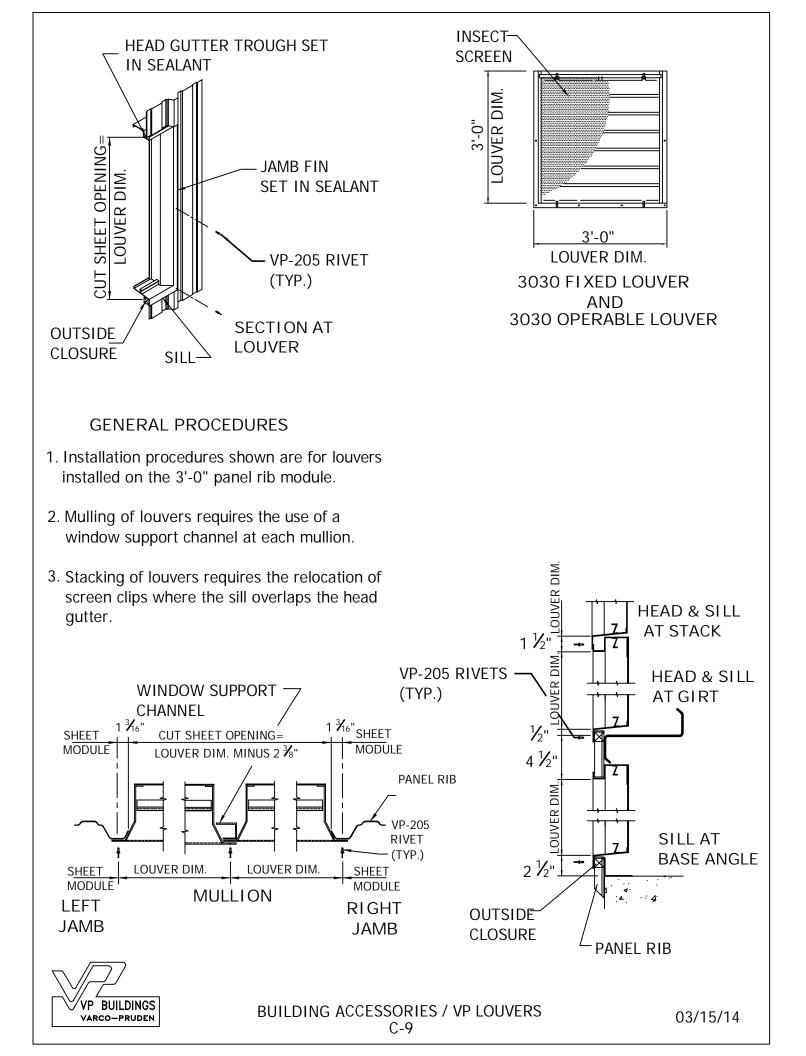
- 1. Wall insulation (A) is shipped in maximum roll lengths and is to be field cut to exact lengths before installing. Wall insulation should extend from top of eave member to 1" below floor elevation. Do not cut long and trim at bottom of wall panels. Glue at eave member and base angle, pull facing tight and hold in place until wall panel is attached (See Wall Base Detail).
- 2. Roof insulation (B) is shipped as one roll for each length or for two or more lengths to be field cut from a single roll, depending on building width. Pull insulation simultaneously from each side of the building until facing is snug. Allow insulation to expand to it's full thickness. Fold insulation facing back to prevent "WICKING" action of exposed insulation, similar to wall base detail. Glue to top of eave member and trim excess insulation.
- 3. Roof insulation (C) and (D) are shipped as one roll for each length. Install in a similar manner to insulation (B). Use same procedure for end walls as for side walls.

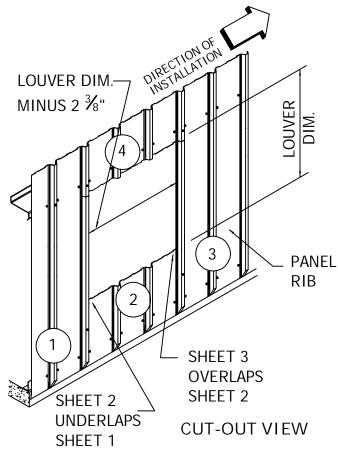


BUILDING ACCESSORIES / INSULATION C-6









#### STEP 7

Attach louver with (6) VP-205 Rivets. (2) Rivets each jamb and 2 Rivets at sill. Complete attachment of wall sheets to girts and side laps with standard wall fasteners.

#### STFP 8

Attach insect screen to outside of louver using clips provided. Locate dogging clip for operable louver as require and fasten with standard wall fasteners.

## STFP 1

Install wall sheet 1 in sequence shown. Install insulation as noted in general procedures if required.

#### STFP 2

Install sheet 2 by underlapping sheet 1.

#### STFP 3

Install sheet 3 in the normal manner.

#### STEP 4

Cut opening in insulation.

### STEP 5

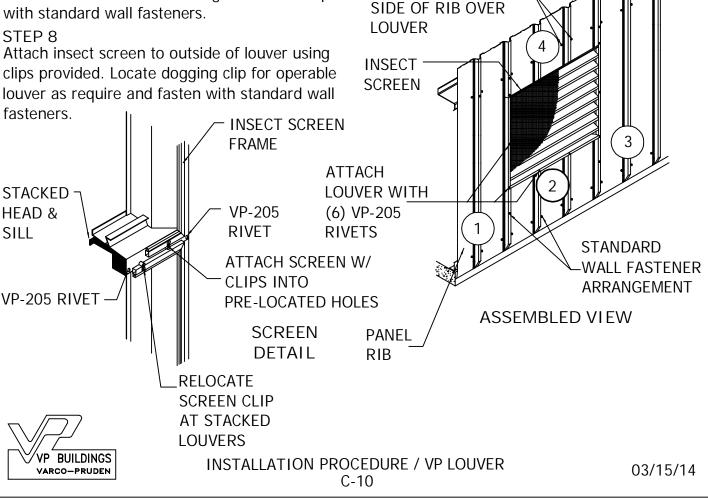
Install louver over sheet 3 with jamb fins placed to ovelap ribs of adjacent sheets 1 & 3. (DO NOT UNDERLAP LOUVER JAMBS.) Set Jambs in sealant.

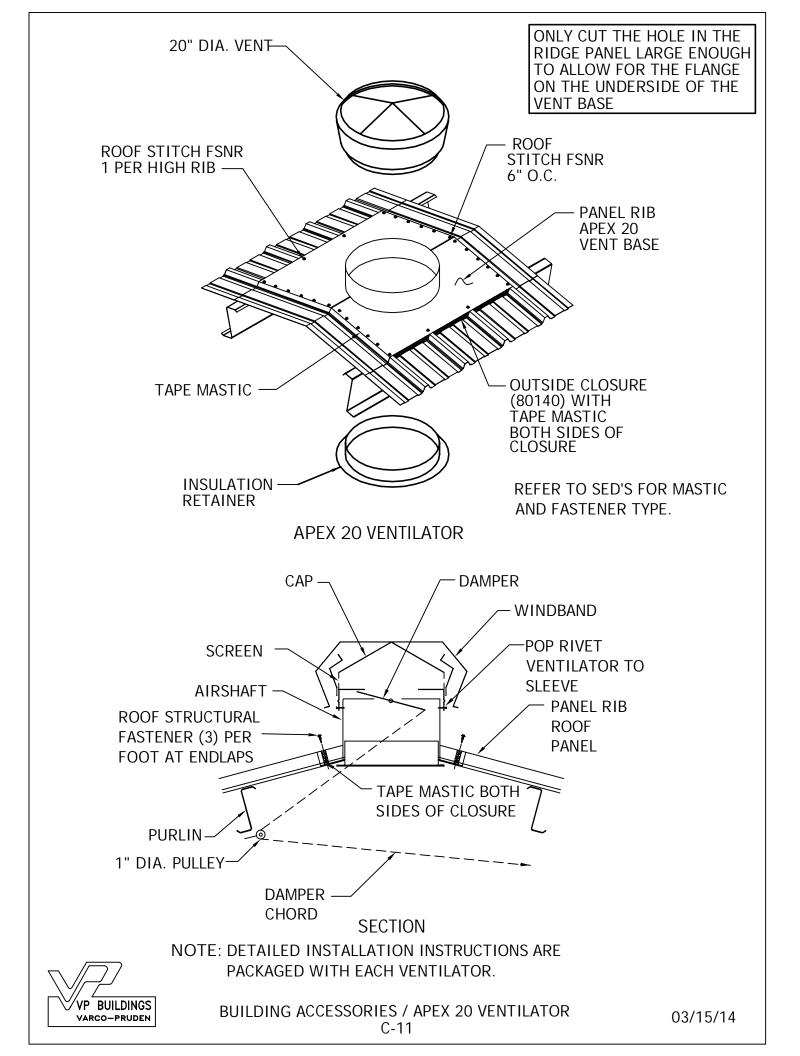
## STEP 6

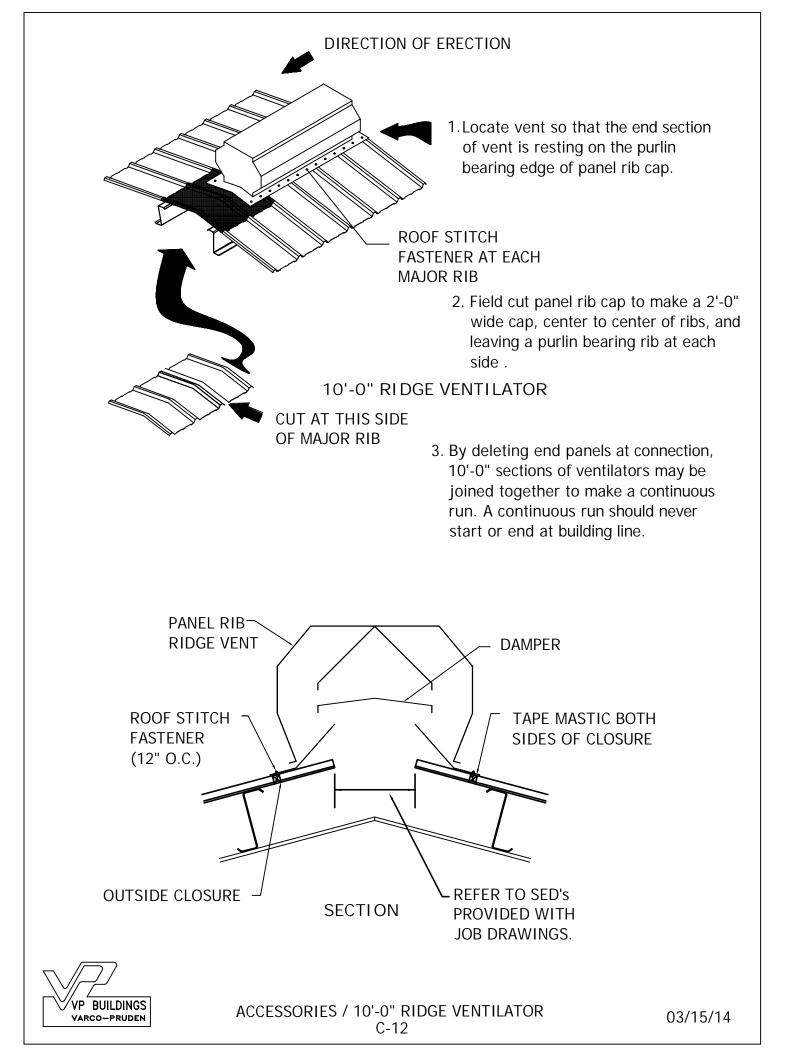
STANDARD WALL

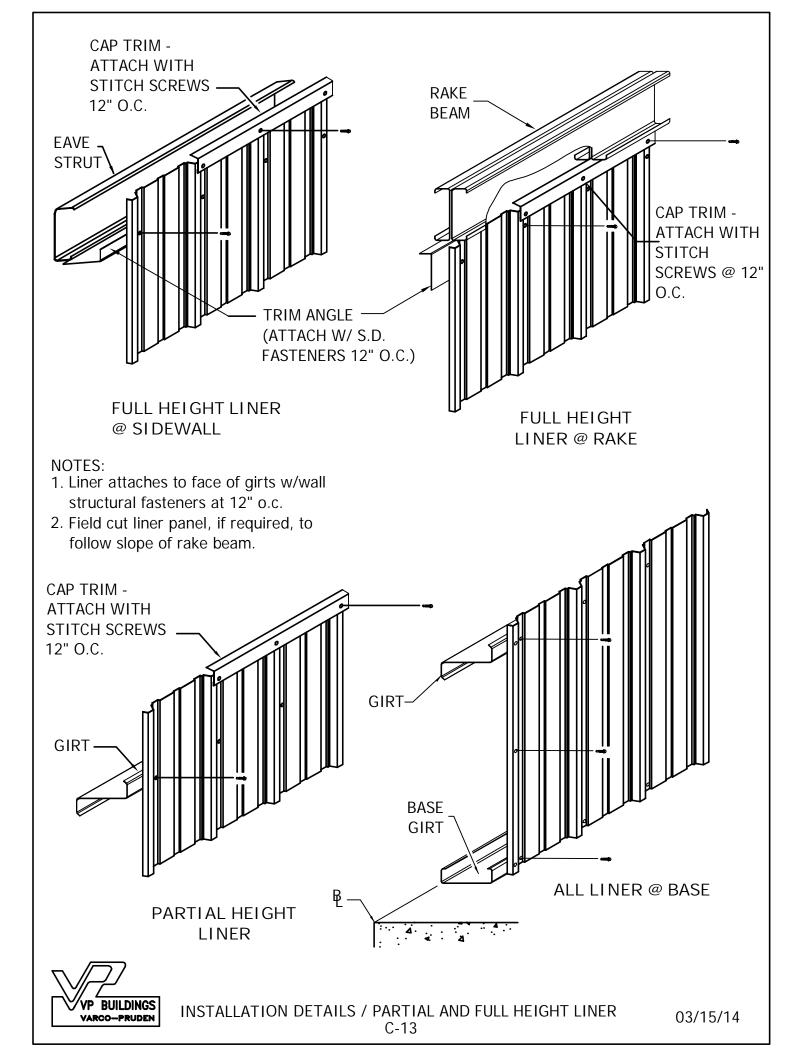
FASTENERS EACH

Install sheet 4 above louver. Lap sheet 4 over jamb fins at louver head and into bottom of head gutter trough. Sheet 4 to be installed with lap ribs overlapping the side ribs of sheets 1 and 3. Set head in sealant.









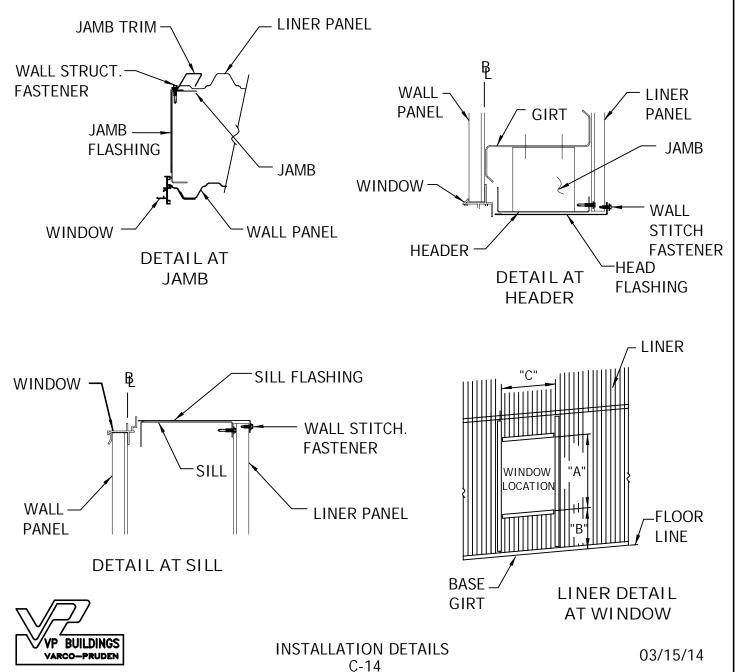
## NOTES:

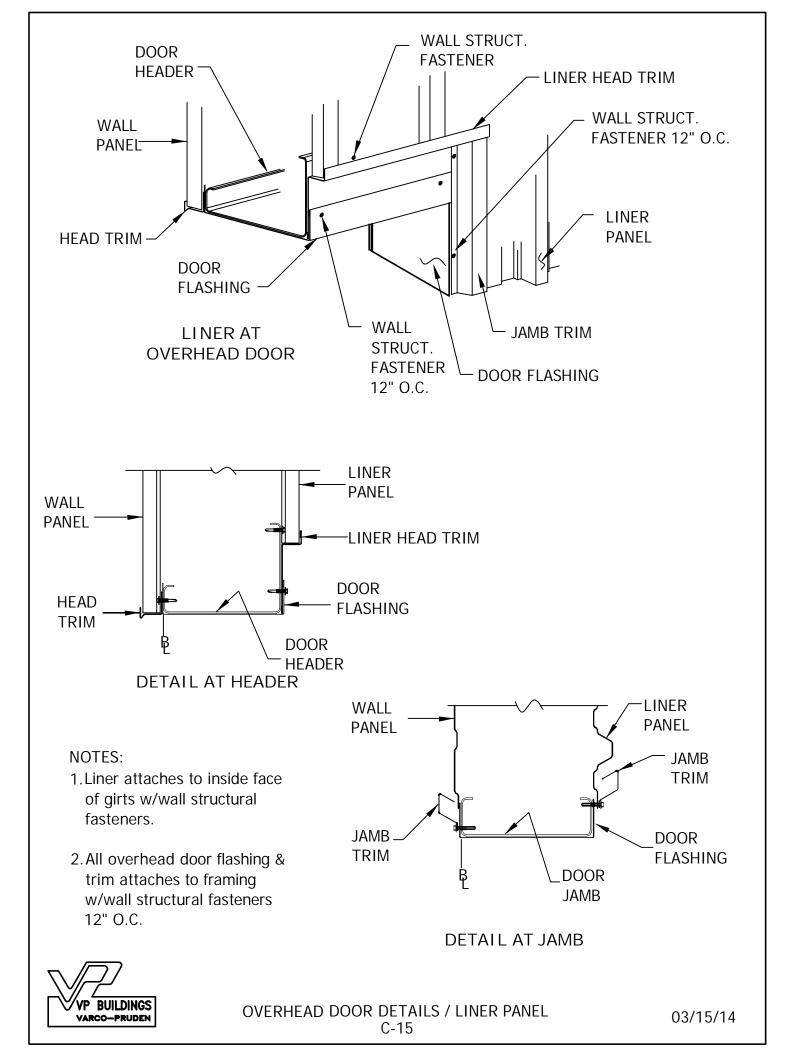
1. Liner attaches to face of girts w/wall structural fasteners @ 12" o.c.

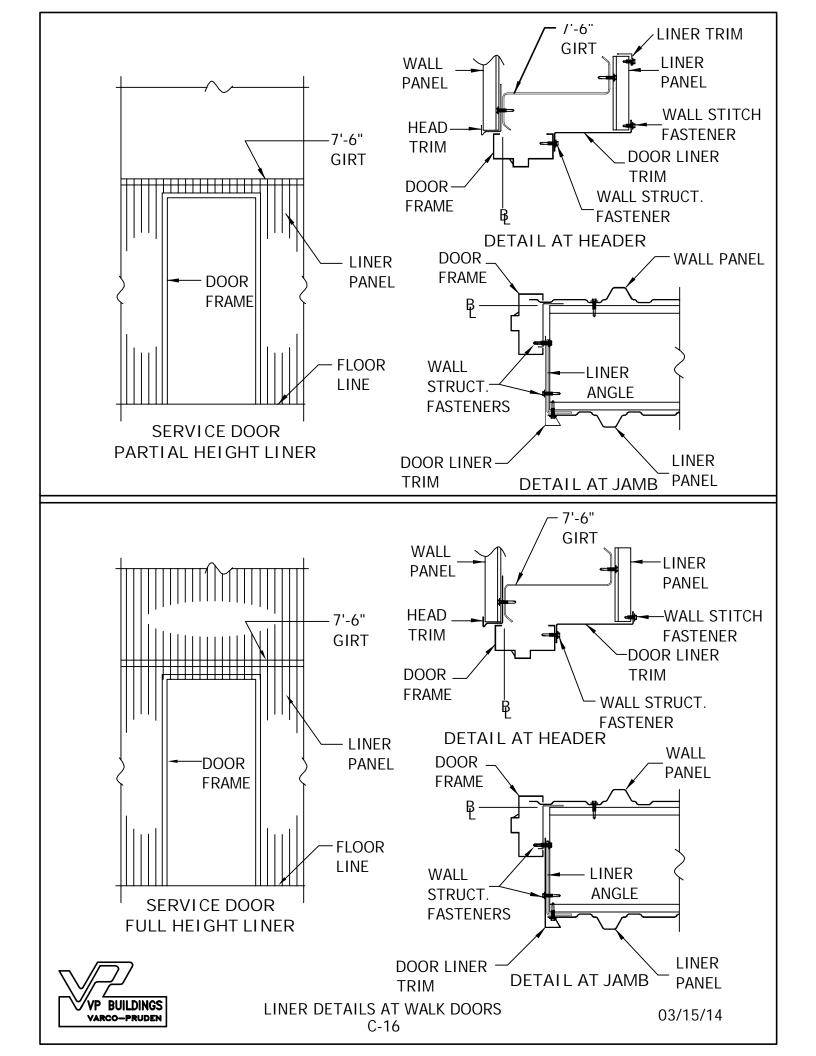
## WINDOW OPENING SIZES

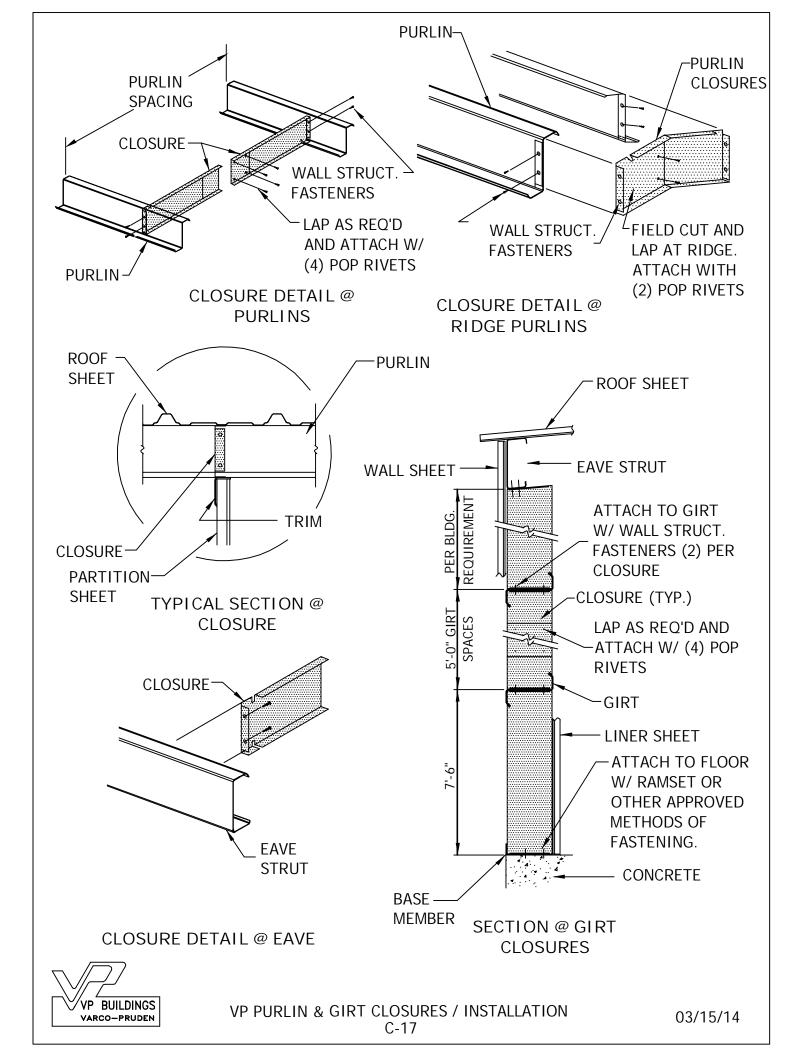
WINDOW SIZE	DIM. "A"	DIM. "B"	DIM. "C"
2060	72"	12"	21 1/4"
3030	36"	48"	33 1/4"
3040	48"	36"	33 1/4"
6030	36"	48"	69 1/4"
6040	48"	36"	69 1/4"

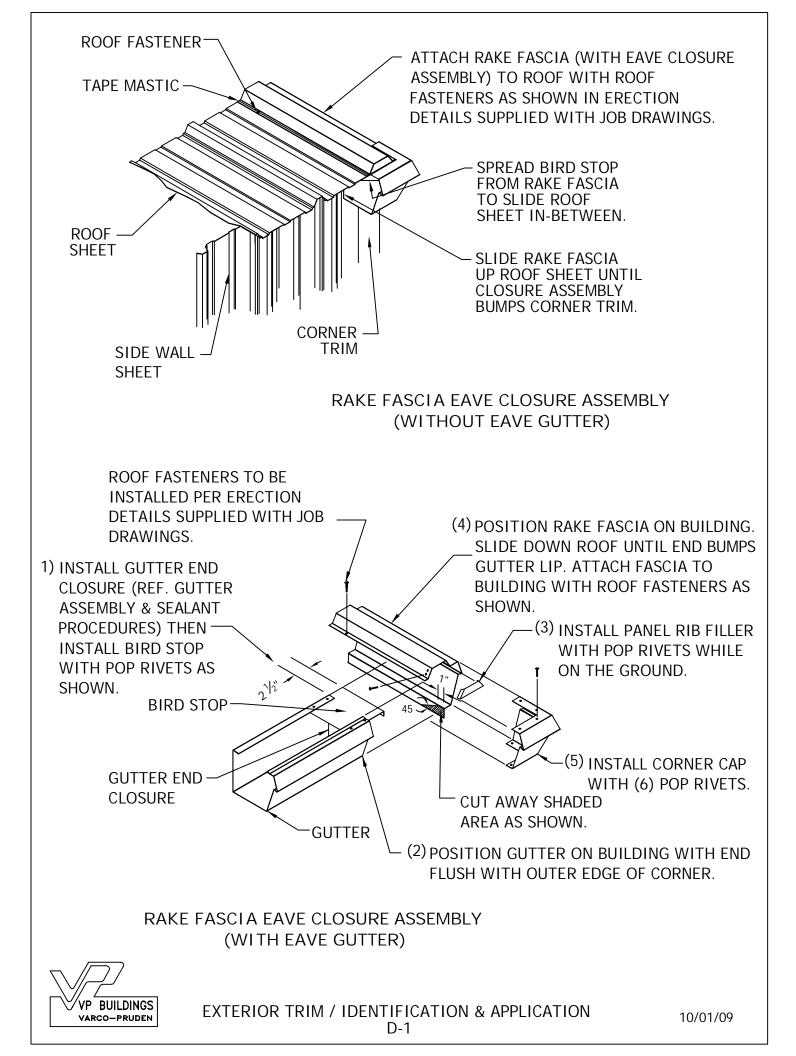
\* DIM. A & C ARE INSIDE CLEAR FRAMING DIMENSIONS. (DIM. B IS FROM FLOOR LINE TO TOP OF SILL).

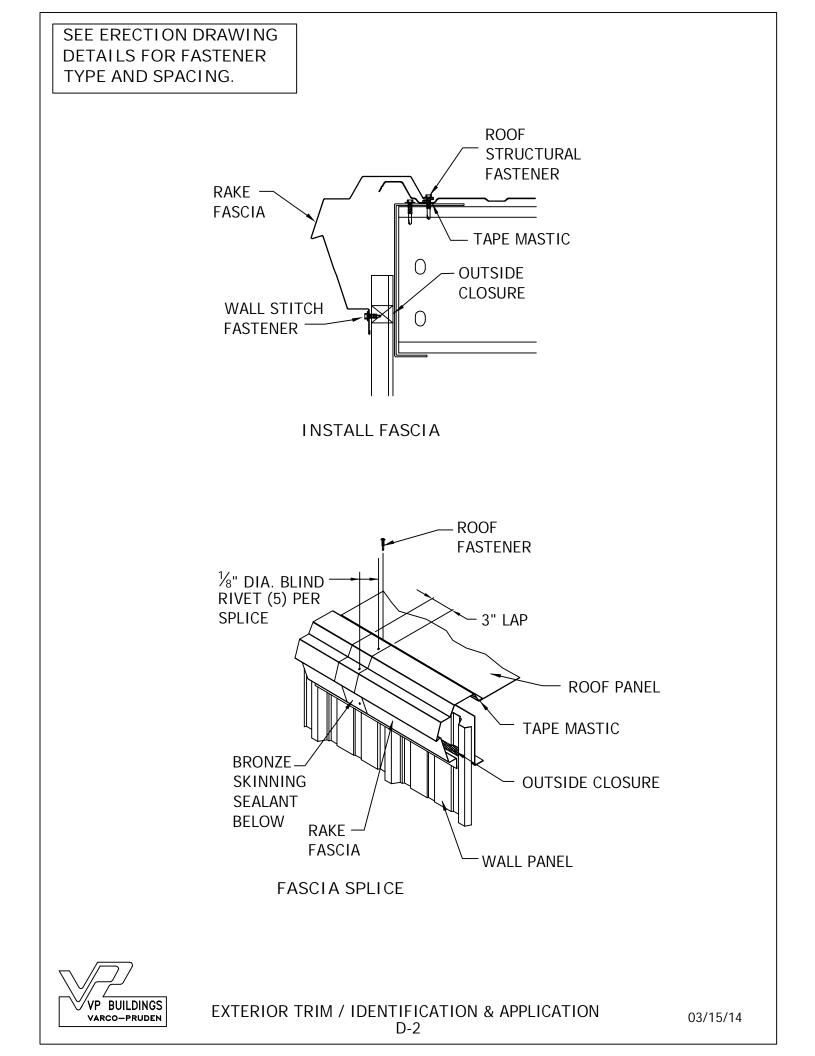


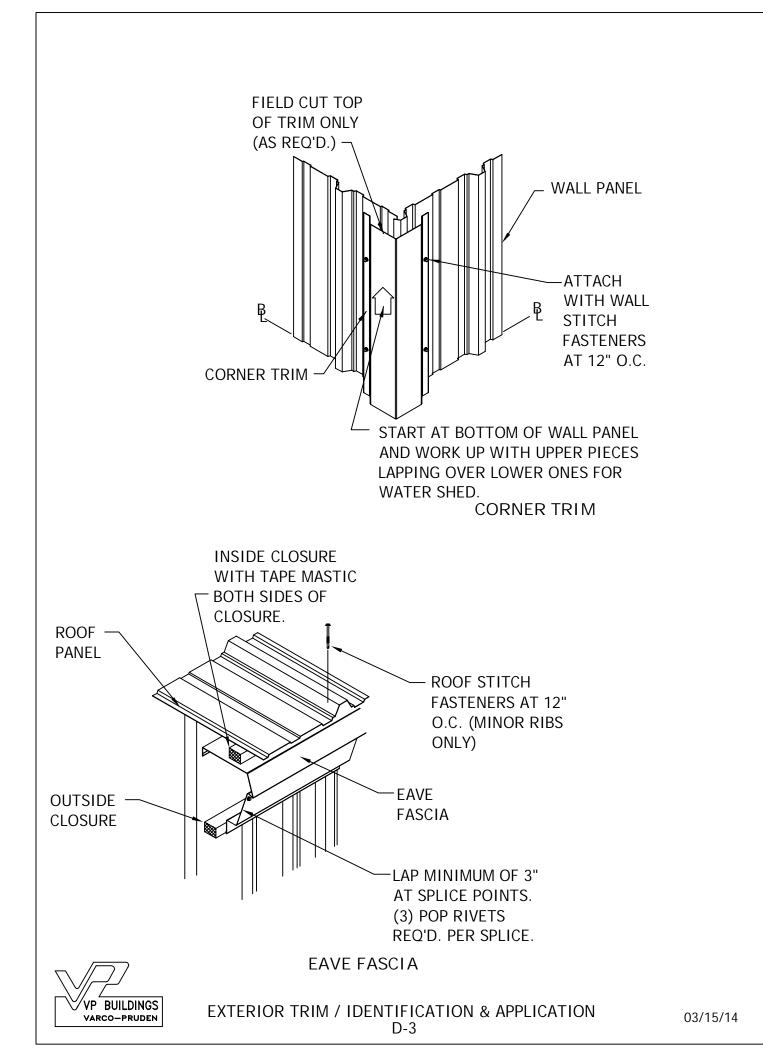


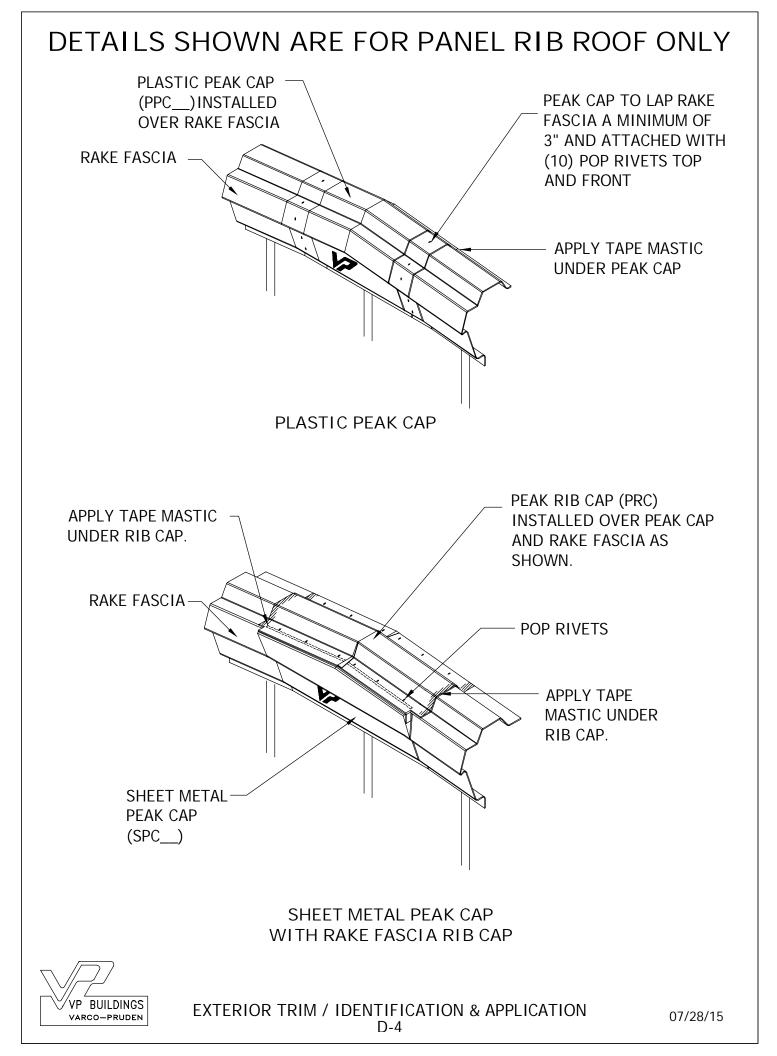


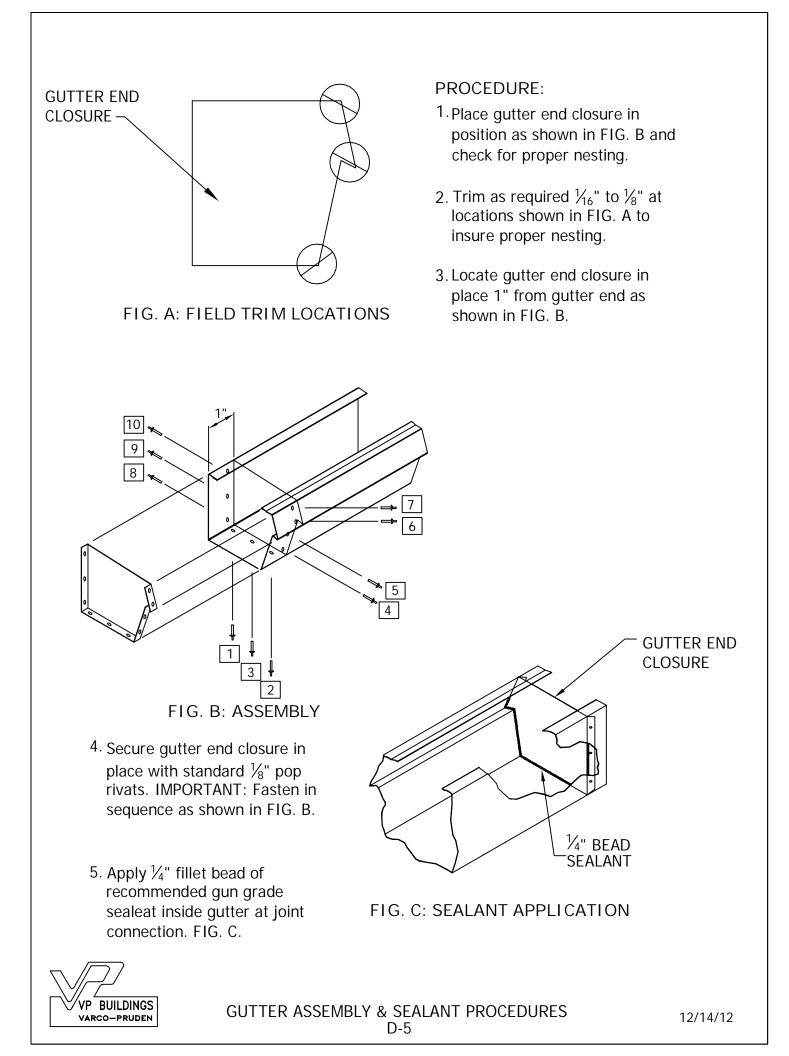


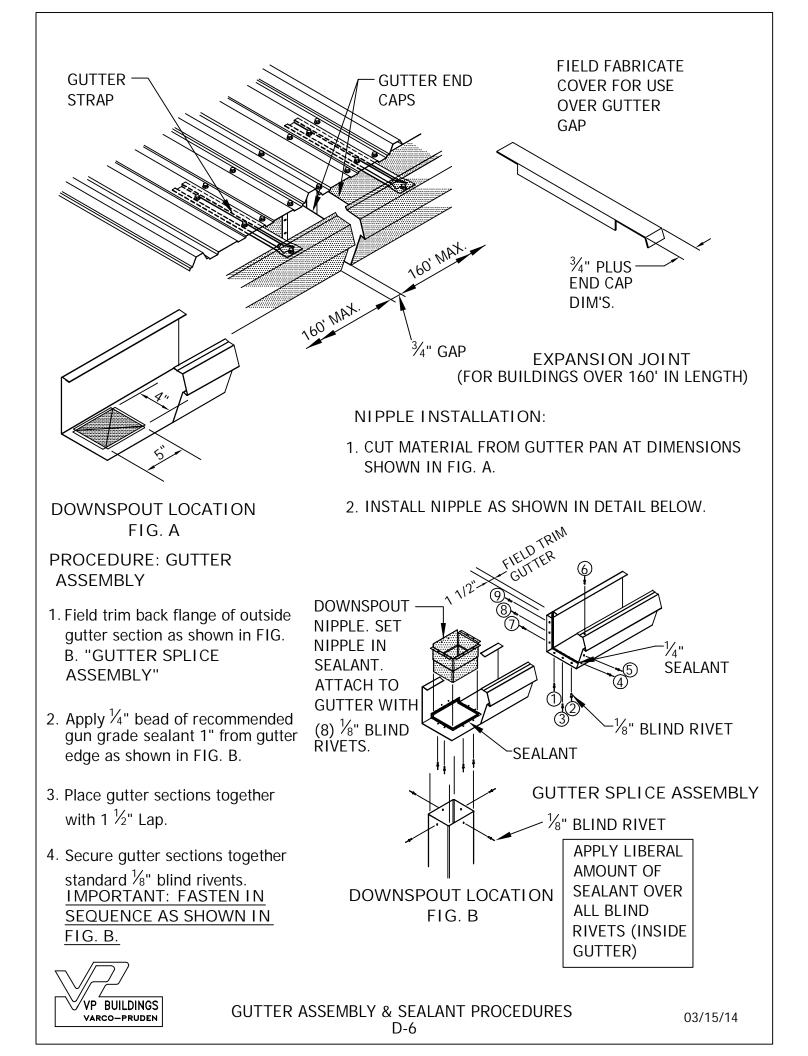


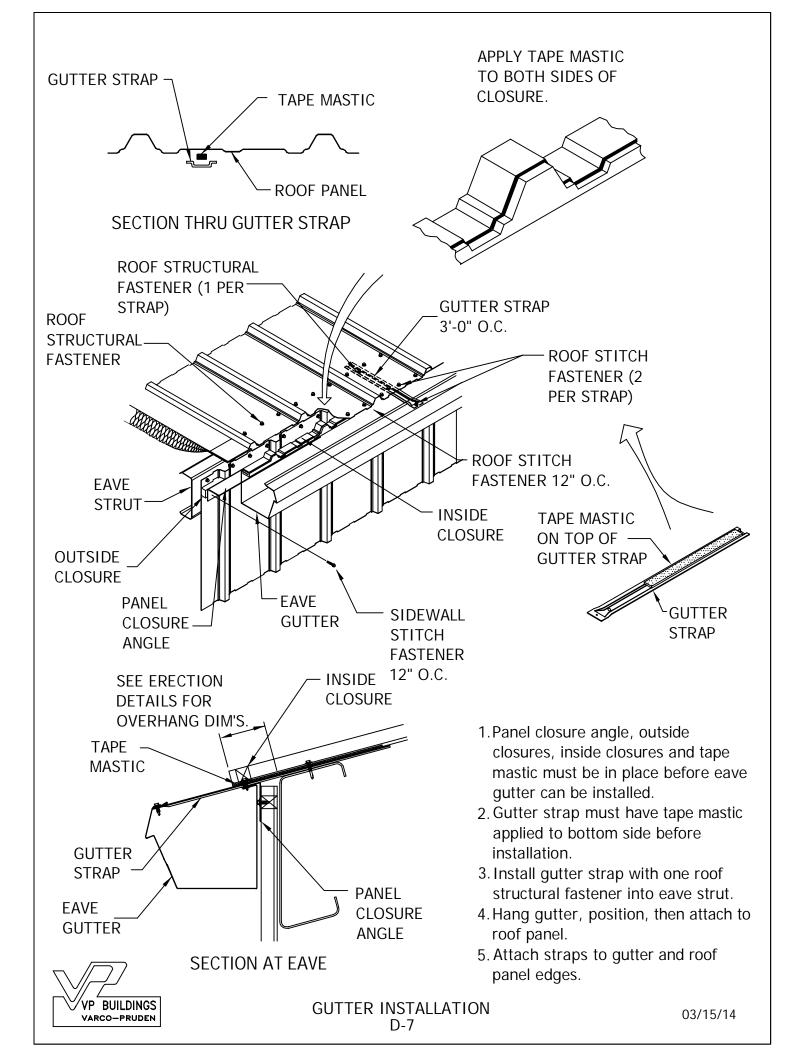


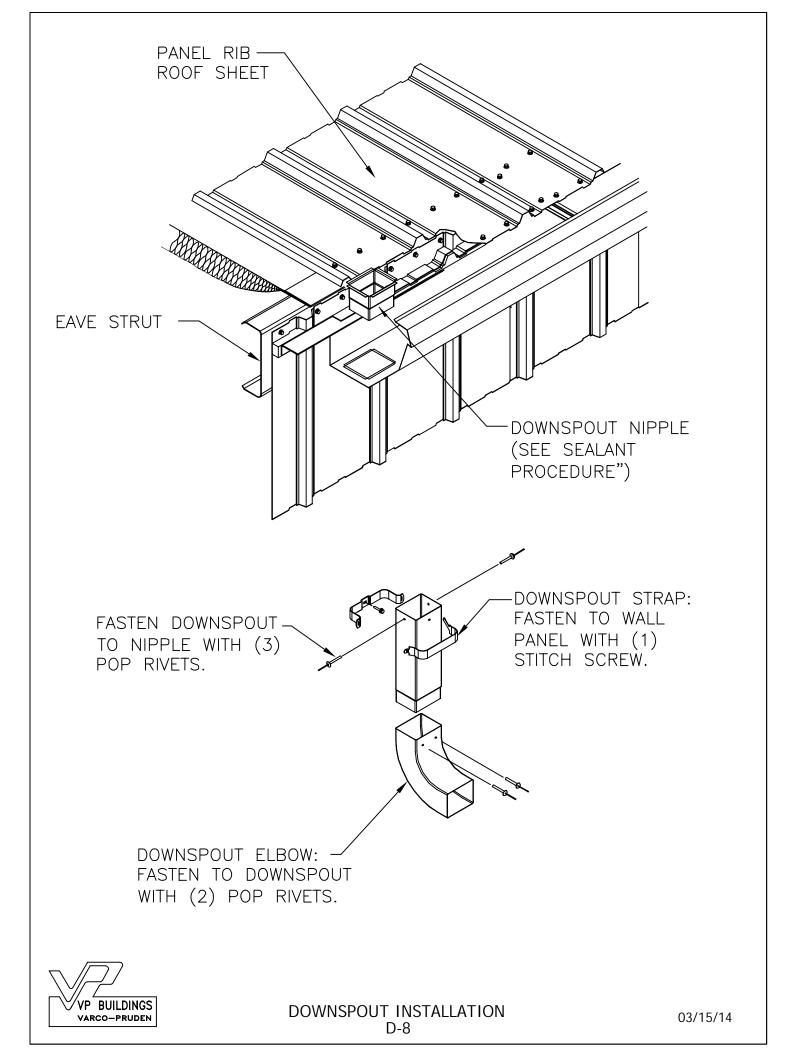


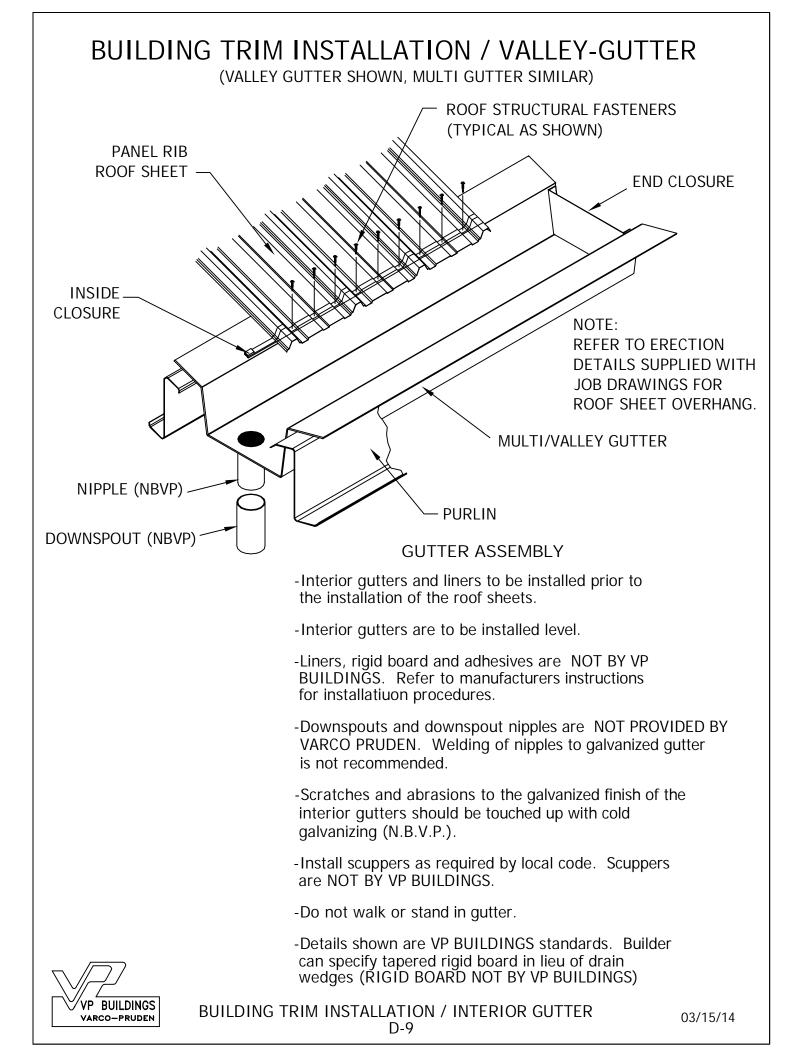


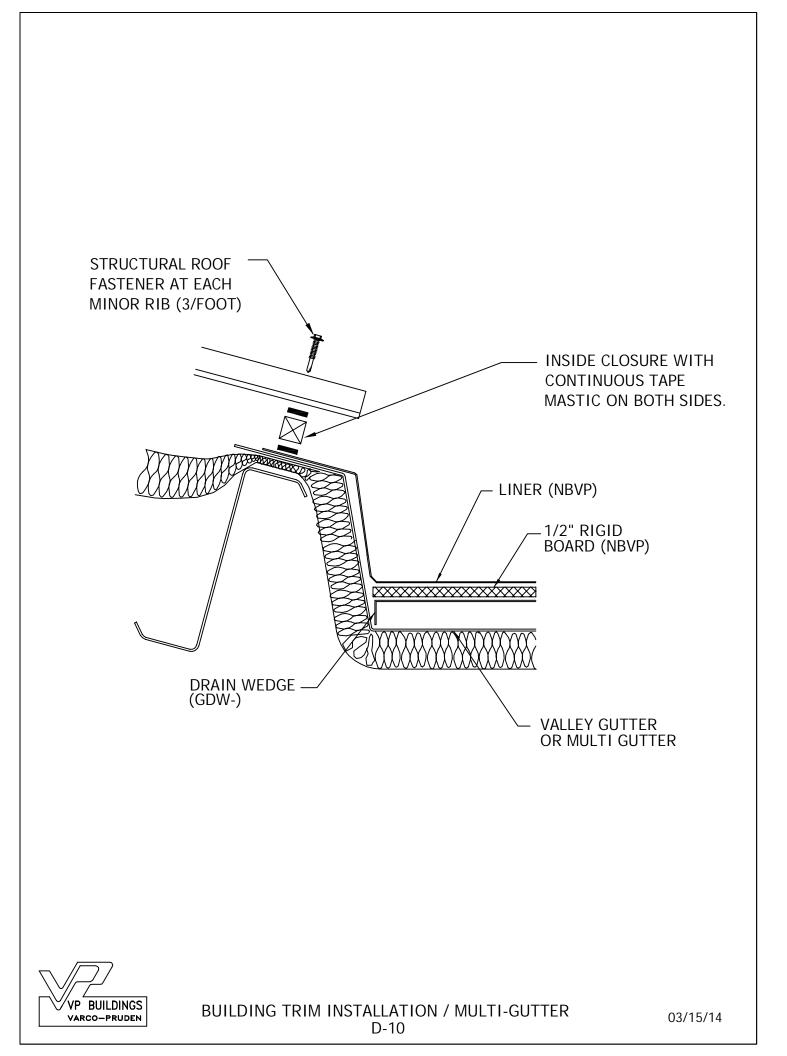


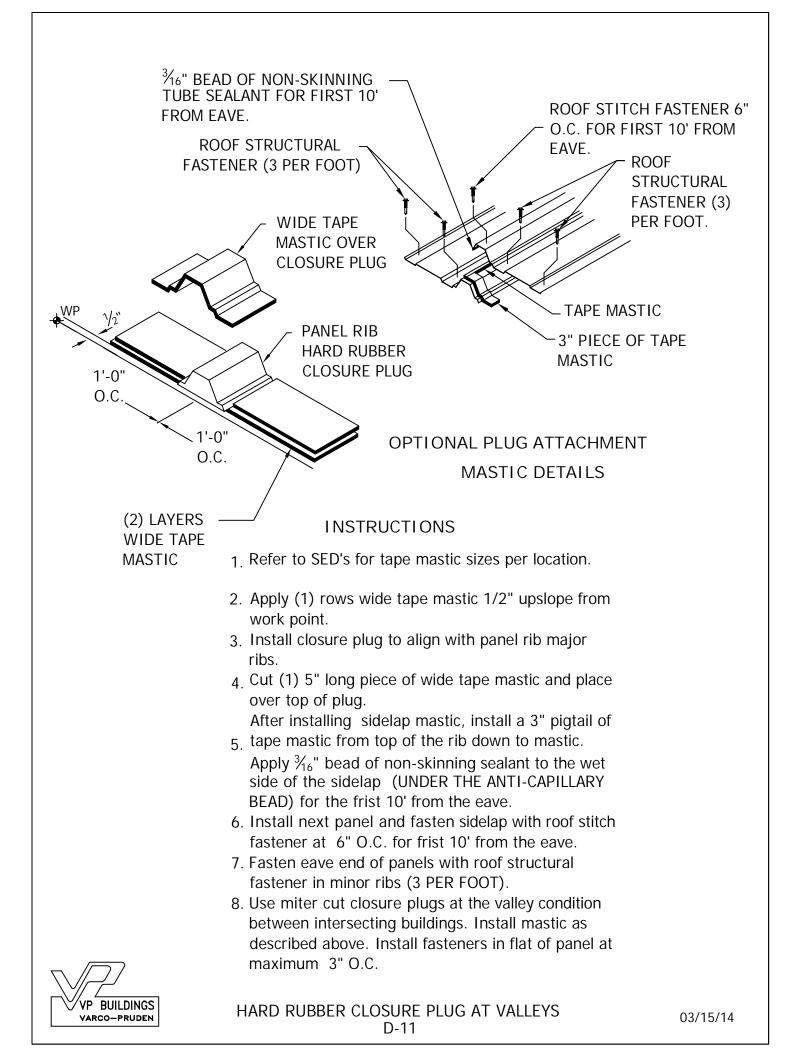


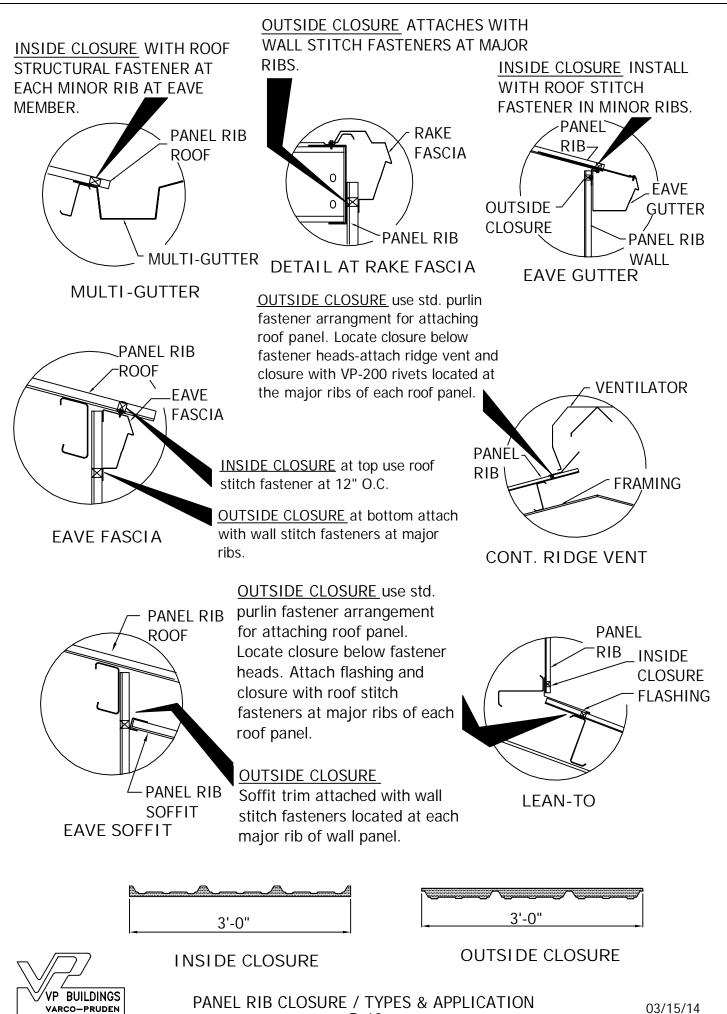












D-12

Design and recommended installation procedures are subject to change at any time, due to continued development work by Varco Pruden Buildings.

•••

All panels formed from light gauge metal may exhibit waviness, also known as "Oil-Canning," commonly occurring in, but not restricted to, flat portions of a panel. This inherent characteristic is not a defect of material or manufacturing and is not cause for rejection.

## • • •

California:	
Missouri:	
North Carolina:	
Wisconsin:	608-882-5000

