Introducing COR-A-VENT's Latest Soffit Vent Innovation –

NEW!

Raft-A-Vent™

COR-A-VENT RS-400 Soffit/Eave Vent

A 22½" Eave Vent Designed to Fit Between the Rafters

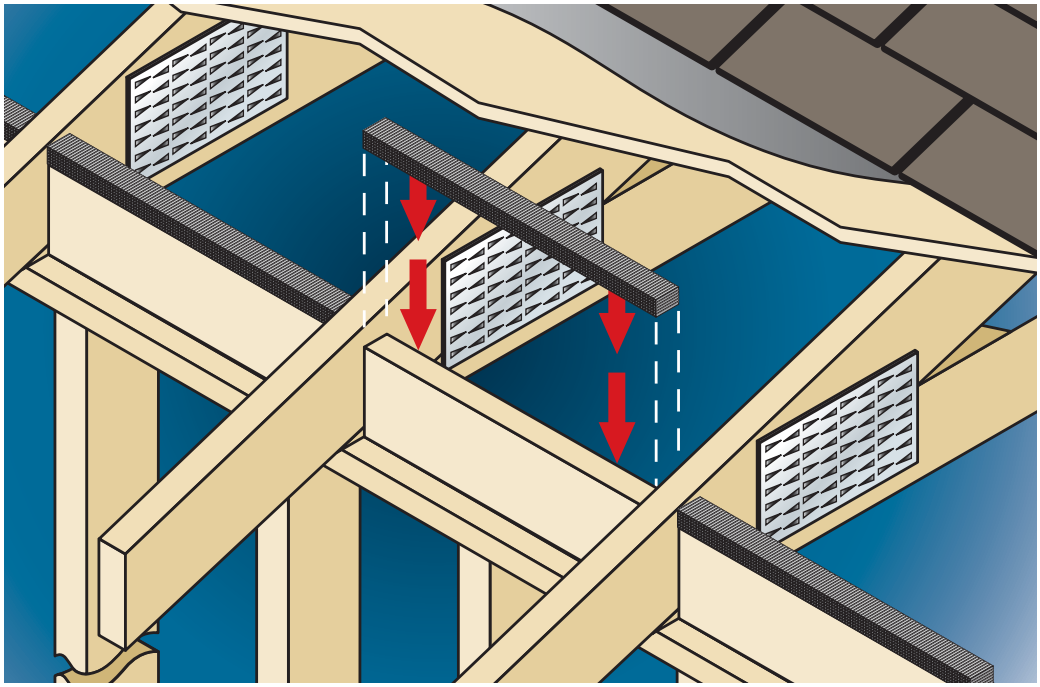
Providing soffit ventilation for open-rafter construction has long been a headache for many builders. The options have been few, consisting mainly of a couple of screened-over holes in the blocking or a few metal grates every two or three rafter bays that don't provide nearly enough ventilation and, quite honestly don't look very good.

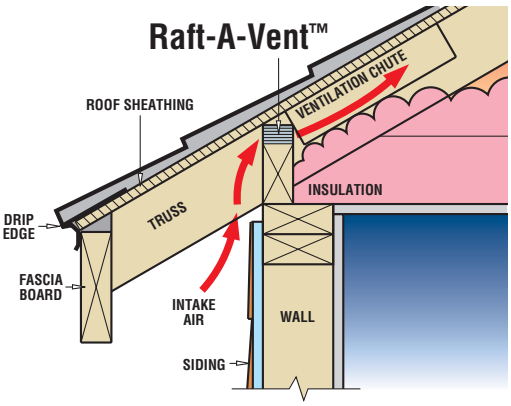
But **COR-A-VENT**® has the answer with its newest product, **Raft-A-Vent**™, a 22.5" long vent strip designed to fit between the rafters, on top of the blocking. **Raft-A-Vent** is the ideal product for this situation.

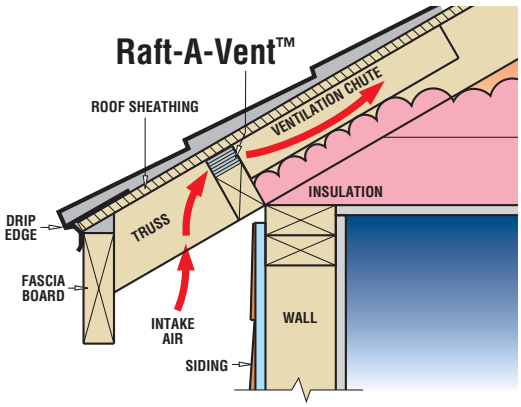
At only one inch thick, **Raft-A-Vent** will virtually disappear under the eave, but still provides 18.75" of Net Free Vent Area per piece and is designed to run continuously in every rafter bay to provide the superior intake ventilation you need for a balanced vent system.

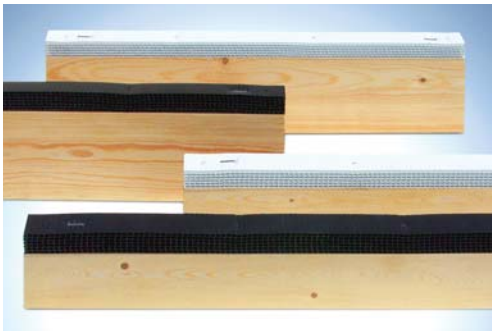
Good ventilation helps reduce moisture buildup and the possibility of mold growth. For an unmatched system, pair **Raft-A-Vent** up with any one of **COR-A-VENT**'s ridge vents, like **V-300CS** or **FAV-20** 8½", both UL® Class A fire rated products.

Check the back of this of this flyer for information on nailing requirements and specifications.









Raft-A-Vent™ is available in either white or black.

You can power-nail or screw down Raft-A-Vent and pre-attach to the blocking for fast installation!

CORAVENT®
A Trusted Name in Attic Ventilation Since 1976®

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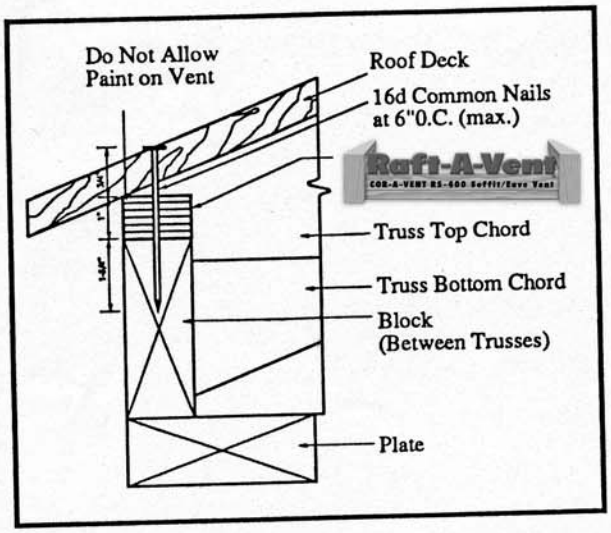

Detail A

Wall/Roof Junction (Refer to Detail A): Assume unblocked roof diaphragm. Refer to U.B.C. table 25-J-1. Case 1: For 8d @ 6" o.c. boundry nails in 2" framing members the allowable shear is 240 pounds per foot. Replace 8d common nails with 16d common nails. Refer to U.B.C. table 25-G (common nail section). 8d penetration equal to 1-1/2", lateral load eqauls 78#. 16d with COR-A-VENT between roof deck and diaphram boundary, penetration equal to 1-3/4". Lateral load equals 108# (per 16d nail), as compared to 78# for 8d nails without COR-A-VENT.

Summary:
Replacing 8d nails at the roof diaphragm boundary shown in Detail Awith 16d nails at same spacing, but driven through a one inch thick section of COR-A-VENT; Provides horizontal shear transfer at least as great as outlined in the U.B.C. code for the 8d nails. U.B.C. code must be adhered to for nail spacing and penetration. Alternate solution: If COR-A-VENT is located elsewhere then retain the one inch space above the block with 16d nails as shown on Detail A.

FROM U.B.C. TABLE NO. 25-G
(Latest Approved Revisions to Local Building Code):
Safe Lateral Stregnth And Required Penetration of Box And Common Wire Nails Driven Perpendicular to Grain of Wood.

COMMON NAILS					
				LOADS (pounds) 1 2 3	
SIZE OF NAIL	STANDARD LENGTH (inches)	WIRE GUAGE	PENATRATION REQUIRED (inches)	Douglas Flr Larch or Southern Pine	Other Species
6d	2	11-1/2	1-1/4	63	See U.B.C. Standard No. 25-17
8d	2-1/2	10-1/4	1-1/2	78	
10d	3	9	1-5/8	94	
12d	3-1/4	9	1-5/8	94	
16d	3-1/2	8	1-3/4	108	

The safe lateral strength values may be increased 25 percent where metal side plates are used. For wood diaphram calculations these values may be increased 30 percent. (See U.B.C. Standard No. 25-17.)
Tabulated values are on a normal load-duration basis and apply to joints made of seasoned lumber used in dry locations. (See U.B.C. Standard No.25-17 for other service conditions.

Registered Professional Engineer (Structural) CERTIFICATE NO. 8706 CHARLES T. ERICKSON Date Signed 10-13-

FROM UBC TABLE NO. 25-J-1 (Latest Approved Revisions to Local Building Code):
Allowable Shear in Pounds per Foot for Horizontal Plywood Diaphrams with Framing of Douglas Fir-Larch or Southern Pine.

PLYWOOD GRADE	COMMON NAIL SIZE	MINIMUM NOMINAL PENETRATION IN FRAMING (Inches)	MINIMUM NOMINAL PLYWOOD THICKNESS (Inches)	MINIMUM NOMINAL WIDTH OF FRAMING MEMBER (Inches)	BLOCKED DIAGRAPHS: Nail spacing at diaphragm boundaries (all cases), at continuous panel edges parallel to load (cases 3 and 4) and at all panel edges (cases 5 and 6)				UNBLOCKED DIAGRAPHS: Nails spaced 6" max. at supported end	
					6	4	2-1/2	2	LOAD PERPENDICULAR TO UNBLOCKED EDGES AND CONTINUOUS PANEL JOINTS (case one)	MINIMUM NOMINAL WIDTH OF FRAMING MEMBER (Inches)
					6	6	4	3		
STRUCTURAL I	6d	1-1/4	5/16	2 3	185 210	250 280	375 420	420 475	165 185	125 140
	8d	1-1/2	5/8	2 3	270 300	360 400	530 600	600 675	240 265	180 200
	10d	1-5/8	15/32	2 3	320 360	425 480	640 720	730 820	285 320	215 240