	VENTILATION		
	RCO Section R806 - ROOF VENTILATION  To minimize condensation within attic and enclosed rafter space free-flow ventilation of such space is required.	<b>9/28/2006</b> es,	
R806.1	Ventilation Required. When determined necessary by the building official due to climatic onditions, enclosed attics and enclosed rafter spaces formed where ceilings are applied lirectly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilating openings hall be provided with corrosion-resistant wire mesh, with the least dimension of 1/8 inch.		
R806.2	Minimum Area. The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located at least 3 feet above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross ventilation are may be reduced to 1 to 300 when a vapor barrier is installed on the warm side of the ceiling.		
R806.3	<b>Vent Clearance</b> . Where eave or cornice vents are installed, insulation shall not block the free air flow of air. A minimum of 1 inch space shall be provided between the insulation and the roof sheathing at the location of the vent.		
Example of attic ventilation calculations			
1	Calculate the flat area of the attic spaces. Attic sq. ft. =		
<b>2</b> a	Divide attic sq. ft. by 150 if only using ridge vents, hat vents or if only using soff	ing ridge vents, hat vents or if only using soffit vents.	
	Attic sq. ft. divided by 150 = (the required vent	openings).	
2b	Calculate the <i>net-tree clear</i> opening (Manuf. specs) of all vents =		
	I his number must be equal or exceed the calculated sq. tootage of 2a.		
3a	Divide attic sq. ft. by 300 if supplying upper and lower vents, such as ridge and	soffit vents.	
	Attic sq. ft. divided by 300 = (the required vent	openings).	
3b	Calculate the <i>net-tree clear</i> opening (Manuf. specs) of all vents =		
	This number must be <b>equal or exceed</b> the calculated sq. footage of <b>3a</b> .		
	Crawlspace Ventilation		
R408.1	The space between the bottom of the floor joists and the earth under any building provided with ventilation openings through the foundation walls. The total requirements openings shall be 1 to 1500 of the crawl area only when a vapor barrier is provided ground surface. Vents must be placed 3 ft. from each corner except that we omitted from one side only. Floor joists must be insulated when using exterior was a specific provided was a specific provided when a specific provided was a specific provided was a specific provided when a specific provided was a specific provided was a specific provided when a specific provided was a specific provided was a specific provided when a	red vent ded over ents may be	

Exception: Ventilation openings may be omitted when continuously operated mechanical ventilation is provided at a rate of 1 cfm for each 50 sq. ft. of crawlspace. The ground must be covered with a vapor barrier and the crawlspace walls must be insulated.