

		EXHAUST VENTILATION	GOOD	BAD
		Critical Details	✓	✗
		Items in bold are a requirement of the Northwest ENERGY STAR Homes Program		
PRE-CHECK	1	Exhaust fan housings have been installed so that the exhaust outlet points in the direction of the exhaust duct termination.		
	2	Work site is broom cleaned and all safety precautions are taken prior to beginning work		
		Installer's Name _____ Date _____ <small>print name signature</small>		
SELF-CHECK	1	Spot ventilation fans are Energy Star rated and ≤1 sone when continuously operated, or ≤2 sone when intermittently operated		
	2	All exhaust fans and exhaust fan ducts are measured and sized to meet the requirements of the tables in section M1507 of Oregon Residential Specialty Code (See reverse side of this sheet or Tech Tip)		
	3	All exhaust fan ductwork exhausts outside the building. Air is not exhausted into an attic, soffit, ridge vent, crawl space, or other interior space		
	4	Straight runs are used for exhaust ducts whenever possible. Exhaust ductwork is supported at least every 4 feet, has no bends greater than 90°, and has been stretched to its full length before installation		
	5	All exhaust penetrations to exterior/unconditioned space (e.g. chases, shafts, etc) are air sealed with foam, caulk, or mastic. NO fibrous insulation is used to fill holes		
	6	All exhaust ducts are mechanically fastened and sealed with mastic to an exhaust roof jack of the same diameter as the duct		
	7	Exhaust terminations are covered with a protective screen, louver, or grille.		
	8	All rooms containing bath or spa facilities shall be provided with a mechanical ventilation system controlled by a dehumidistat, timer or similar means of automatic control.		
	9	Work site is broom cleaned after work is complete		

Installer Name _____ Date _____
print name signature

Builder Name _____ Builder's Job #: _____

This Verification form should be signed and filled out by the Installer. Signing this form certifies that all Critical Details are correct and are as designated.

EXHAUST ONLY VENTILATION

Airflow and Duct Sizing Tables

Tables adapted from the 2008 Oregon Residential Specialty Code section M1507 Mechanical Ventilation

Location	Intermittent	Continuous
Range hoods/downdraft exhaust	150 CFM	25 CFM
Room with bathing/spa facility	80 CFM	20 CFM
Toilet room without bathing/spa facility and without operable windows	50 CFM	

Field Rated CFM (@ .10 in. W.G.)	Duct Diameter (in.)	Max. Flex Duct Length (ft)	Max. Smooth Duct Length (ft)	Max. # of Elbows
50	4"	25	70	3 (subtract 10' of max. length for each additional elbow)
	5"	90	100	
	6"	No Limit	No Limit	
80	4"	Not Permitted	20	
	5"	15	100	
	6"	90	No Limit	
100	5"	Not Permitted	50	
	6"	45	No Limit	
125	6"	15	No Limit	
	7"	70	No Limit	