

COMBUSTION AIR CALCULATIONS - FUEL BURNING APPLIANCES

This form is to be used when an alteration to the space containing appliances is being made *or* if a new appliance is being installed. All BTU ratings are the input ratings. Appliances that receive combustion directly from the exterior (Direct Vent) should not be included.

Name: _____ Phone #: _____

Address: _____

Project Location/Type: _____

Furnace BTU's _____ Hot Water Heater BTU's _____

Gas Dryer BTU's _____ Other Appliance BTU's _____

(A) Total BTU's of all appliances: _____

Total BTU's from (A) _____ ÷ 1,000 X 50 cubic feet = (B) _____

(B) From above = Total Cubic Feet Required _____

Space(s) available for Combustion Air

<u>Room</u>	<u>Length</u>		<u>Width</u>		<u>Height</u>	
<u>(C) Mechanical</u>	_____	X	_____	X	_____	= _____ cu.ft.
_____	_____	X	_____	X	_____	= _____ cu.ft.
_____	_____	X	_____	X	_____	= _____ cu.ft.
_____	_____	X	_____	X	_____	= _____ cu.ft.
_____	_____	X	_____	X	_____	= _____ cu.ft.

(D) Total Cubic Feet Available : _____

If total need required (B) is greater than (C) then additional combustion air is required. Please indicate on the other side how the additional air will be provided.

Note: When combining spaces each opening requires 1 sq.in. free area per 1,000 BTU's from (B), but not less than 100 sq. in. One opening shall be within 12 "of the top and one within 12" of the bottom of the enclosure. The minimum dimension shall be 3". Wood louvers have a net clear area of 25% and metal grills 75% net clear area. **See 2006 IRC for all options available.**