



# Township of East Brunswick

## Division of Construction Inspection

### REQUIRED COMBUSTION AIR WORK SHEET

**Step 1** Calculate the required combustion air for all fuel fired appliances. The result is the required amount of combustion air in cubic feet. Enter the aggregate BTU input ratings of all corresponding gas appliances. The BTU input ratings are on the listing label of each gas appliance.

FURNACE 1	FURNACE 2	H <sup>2</sup> O HEATERS	DRYER	FIREPLACE	AGGREGATE
					= _____
					x .50
<b>Total cubic feet of combustion air required</b>					= _____

**Step 2** Calculate the cubic volume of combustion / dilution air available from rooms or adjoining spaces using transfer air openings. If grills are utilized, one must be provided within the 12" of the ceiling and another within 12" of the floor. Note that metal louvers or grills provide 75% of the required opening and wood louvers or grills provide only 25% of the required opening.

ROOM NAME	LENGTH	WIDTH	HEIGHT	TOTAL
		x _____	x _____	= _____
		x _____	x _____	= _____
		x _____	x _____	= _____
		x _____	x _____	= _____
		x _____	x _____	= _____
		x _____	x _____	= _____
<b>Total transfer air available from adjoining spaces</b>				= _____

**Step 3** Calculate the unobstructed area of transfer air grills in square inches. Each opening must be a minimum of one square inch per 1,000 BTU's aggregate appliance input.

LENGTH	x	WIDTH	MULTIPLIER	= Unobstructed Area
	x		x .75	(metal louvers)
	x		x .25	(wood louvers)