



## COMBUSTION AIR SIZING WORKSHEET

- 1) Is this heating appliance to be fueled by gas, liquid, or solid fuel? \_\_\_\_\_
- 2) Is the room where the heating appliance is located within this building “Unusually Tight Construction” [see COMM 65.0201(1) for definition]? \_\_\_\_\_ (YES or NO)
- 3) Is the appliance location in a confined space? \_\_\_\_\_ (YES or NO)
- 4) Combustion air for this appliance is to be drawn from which of the following?  
\_\_\_\_\_ Outdoor air only.  
\_\_\_\_\_ Indoor air only.  
\_\_\_\_\_ Combination of indoor and outdoor air.
- 5) Rated input maximum capacity of this appliance is: \_\_\_\_\_ Btu/hour
- 6) Aggregate input of **all** appliances in the room or space is: \_\_\_\_\_ Btu/hour
- 7) Volume of the room in which this appliance is placed is: \_\_\_\_\_ cubic feet  
Length = \_\_\_\_\_ Width = \_\_\_\_\_ Height = \_\_\_\_\_
- 8) Do any exhaust systems present affect the combustion air supply? \_\_\_\_\_ (YES or NO)
- 9) Are ducts used to provide combustion air to appliances? \_\_\_\_\_ (YES or NO)  
If **YES**, are ducts horizontal or vertical? \_\_\_\_\_
- 10) List the distance down from the ceiling to top of the highest opening: \_\_\_\_\_ List the distance up from the floor to the bottom of the lowest opening: \_\_\_\_\_
- 11) The minimum free area of combustion air opening required by my design for this appliance is: (check applicable one)  
\_\_\_\_\_ 1 square inch per 1000 Btu/hour      \_\_\_\_\_ 1 square inch per 2000 Btu/hour  
\_\_\_\_\_ 1 square inch per 2400 Btu/hour      \_\_\_\_\_ 1 square inch per 3000 Btu/hour  
\_\_\_\_\_ 1 square inch per 4000 Btu/hour      \_\_\_\_\_ 1 square inch per 5000 Btu/hour
- 12) Do louvers or grills affect the free area of ducts or openings used to supply combustion air to the appliances? \_\_\_\_\_ (YES or NO)
- 13) Appliances, except by limited exceptions, are **not permitted to be located in or to obtain combustion air from** the following rooms or spaces: sleeping rooms, toilet rooms, bathrooms, storage closets, and surgical rooms. Does the proposed appliance location meet this IMC 303.3 & IFGC 303.3 prohibition? \_\_\_\_\_ (YES or NO)

If **NO**, are any exceptions of IMC or IFGC Section 303.3 met? \_\_\_\_\_ (YES or NO)

Submit all calculations of sizing of combustion air ducts or grills/louvered openings to be used.