

HD ENGINEERING & DESIGN, INC.

SOLUTIONS FOR ALL OF YOUR ENGINEERING & DESIGN NEEDS

FIRST CHOICE CUSTOM HOMES 1837 BLACKSTONE COURT, LEE'S SUMMIT, MO

Gombastion Air			
Companion			
Per IRC 2006 G2407.5.1 Fuel Burning Appliance #1 Fuel Burning Appliance #2 Fuel Burning Appliance #3	Furnace	100000 50000 NA	Btu/h Btu/h Btu/h
Total Btu/h		150000	Btu/h
Area of Usable Space Ceiling Heigh in Usuable Space (no sheetrock)		345 9	sq. ft ft
Required Volume of Air = Total Btu/h * (50 cu.ft./1000 Btu/h)			
,	· #	7500	cu.ft.
Required Area of Usable Space Standard Method Work?	3	833 BAD	sq.ft.
Combustion Air Transfer Grille			
Per IRC 2006 G2407.5.3.1 Required Opening Free Space = 1 sq.in./1000 Btu/h = 160 in.sq. Size of Grill(s) to be used = (2)14"X8" Note: If Fuel Burning Appliances are enclosed, (1) opening is required within 12" of floor and (1) opening is required within 12" of top of enclosure			

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