

Energy Savings Due to Wall/Window/Door Modifications

Modified Wall Element	Original U-Factor (From Tables)	Modified U-Factor (From Tables)	U-Factor Change	Wall or Element Area	Local Yearly Degree-Days (From Table 13)	Heat Savings Btu/yr
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WINDOWS 1.13 - 0.58 = 0.55 x 30 ft² x 8382 x 24 = 3.32 x 10⁶

WALL 0.55 - 0.09 = 0.46 x 250 ft² x 8382 x 24 = 2.31 x 10⁷

Total = 2.65 x 10⁷

2.65 x 10⁷ Btu/yr x .252 = 6.68 x 10⁶ kg-cal/yr