

WORKSHEET FOR FUEL SAVINGS DUE TO ACOUSTICAL MODIFICATIONS

Local Yearly
Degree Days
(Table 13)

8382

÷ 365 =

Temperature
Difference
 Δt

23



Infiltration
Constant, C
(Table 14)

0.57

Infiltration
Constant, C
(From Above)

0.57

Building
Volume

x 16,000 ft³

Hours Per Year

x 24 x 365

Heat
Savings

= 7.99 x 10⁷ Btu/Yr.

7.99 x 10⁷ Btu/Yr. x .252 = 2 x 10⁷ kg-cal/Yr.