

## WORKSHEET FOR FUEL SAVINGS DUE TO ACOUSTICAL MODIFICATIONS

Local Yearly  
Degree Days  
(Table 13)

8382

$\div 365 =$

Temperature  
Difference  
 $\Delta t$

23



Infiltration  
Constant, C  
(Table 14)

0.57

Infiltration  
Constant, C  
(From Above)

0.57

Building  
Volume

$16,000 \text{ ft}^3$

Hours Per Year

$24 \times 365$

Heat  
Savings

$7.99 \times 10^7 \text{ Btu/Yr.}$

$7.99 \times 10^7 \text{ Btu/Yr.}$   $\times .252 =$   $2 \times 10^7 \text{ kg-cal/Yr.}$