

Cambridge Case Study

Volunteer Fire Company

Baltimore, MD



BUILDING DETAILS

Size: 7,000 sq.ft. x 21 ft. High

Construction: R-15 Roof
R-10 Walls

OPERATING CONDITIONS

Operating Hours: 24 hrs/day 7 days/wk

Design Temperature: 65° @ 0°

Average Temperature: 60°

Heating System: Cambridge Space Heater
1 @ 400 MBH
Thru wall mounting

Notes & Observations:

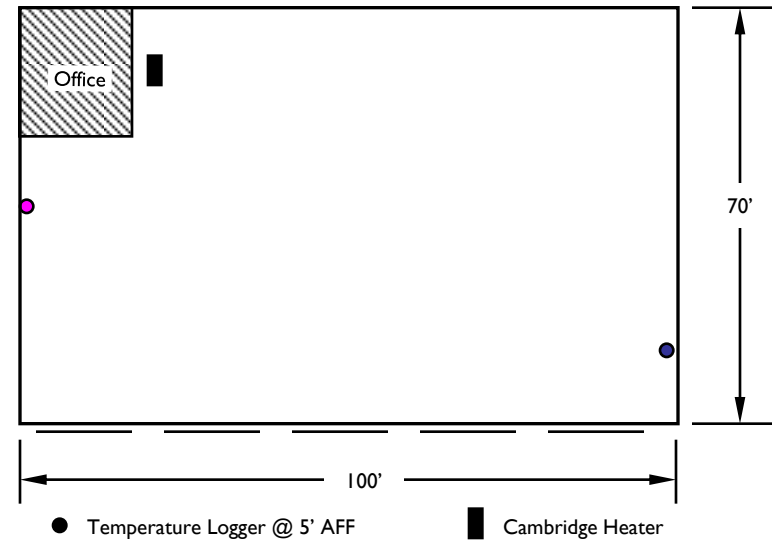
Thermostat settings changed on 12/15/99

CALCULATED OPERATING COSTS *

for 30 year (1971-2000) average heating seasons

Indoor Temp	HDDs	@ \$0.75 / therm	@ \$1.00 / therm	@ \$1.25 / therm
50°	0	#DIV/0!	#DIV/0!	#DIV/0!
55°	0	#DIV/0!	#DIV/0!	#DIV/0!
60°	0	#DIV/0!	#DIV/0!	#DIV/0!
65°	0	#DIV/0!	#DIV/0!	#DIV/0!

* based on actual consumption of 0 therms for 0 Heating Degree Days



DATALOGGER GRAPH

Logging period: 12/1/99 - 1/12/00

Logging interval: 30 minutes

