

Cambridge Case Study

Distribution Center

Philadelphia, PA



BUILDING DETAILS

Size: 64,000 sq.ft. x 22 ft. High
Construction: R-19 Roof
R-20 Walls

OPERATING CONDITIONS

Operating Hours: 8 hrs/day 5 days/wk
Design Temperature: 72° @ 0°
Thermostat Settings: 70° occupied / 65° setback
Average Temperature: 68°
Heating System: Cambridge Space Heater/Draw Thru Make-up Air
2 Space Heaters @ 400 MBH
1 Make-up Air Heater @ 1781 MBH / 21000 CFM
Under Roof mounting
Notes & Observations: 21,000 CFM Exhaust

ACTUAL FUEL USE

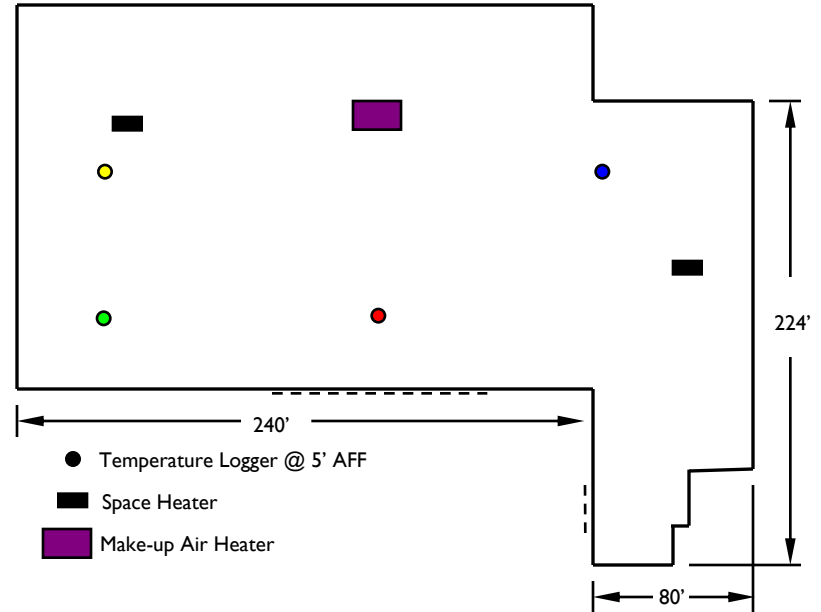
for the 1999-2000 heating season (5,956 Heating Degree Days @ 68°)

3.4 Btu / HDD / sq. ft.

CALCULATED OPERATING COST

for normal heating season (5,694 Heating Degree Days @ 65°)

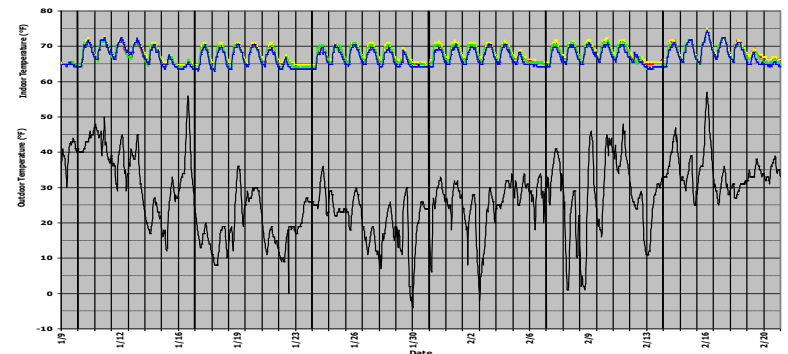
\$0.10 / sq.ft. (Gas only @ \$0.50/therm)



DATALOGGER GRAPH

Logging period: 1/9/00 - 2/20/00

Logging interval: 30 minutes



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