

Cambridge Case Study

Distribution Center

Minneapolis, MN



BUILDING DETAILS

Size: 333,200 sq.ft. x 30 ft. High

Construction: R-17 Roof
R-10 Walls

OPERATING CONDITIONS

Operating Hours: 12 hrs/day 5 days/wk

Design Temperature: 65° @ -16°

Thermostat Settings: 65° occupied / 55° setback (Space Heaters)
55° (Unit Heaters)

Average Temperature: 60°

Heating System: Cambridge Space Heaters
4 @ 2200 MBH
Roof Top mounting
8 Unit heaters @ 200 MBH located above doors

Notes & Observations:

Unit heaters did not operate

ACTUAL FUEL USE

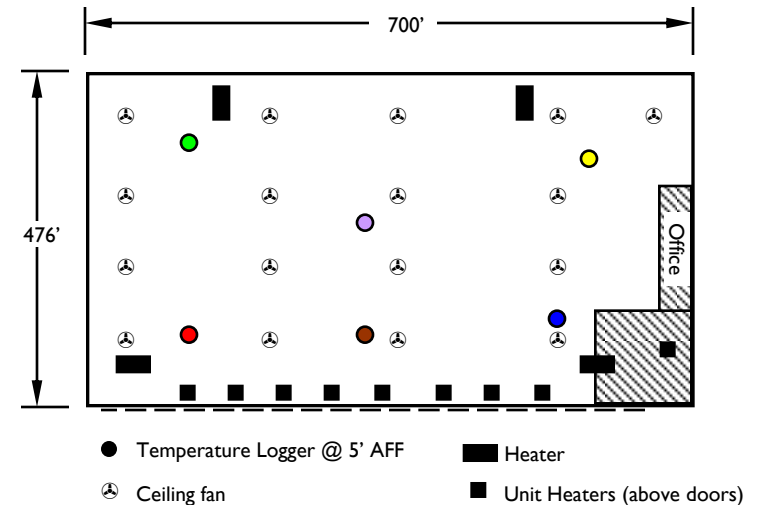
for 10/15/00 to 3/15/01 (4,622 Heating Degree Days @ 60°)

2.5 Btu / HDD / sq. ft.

CALCULATED OPERATING COST

for normal heating season (8,058 Heating Degree Days @ 65°)

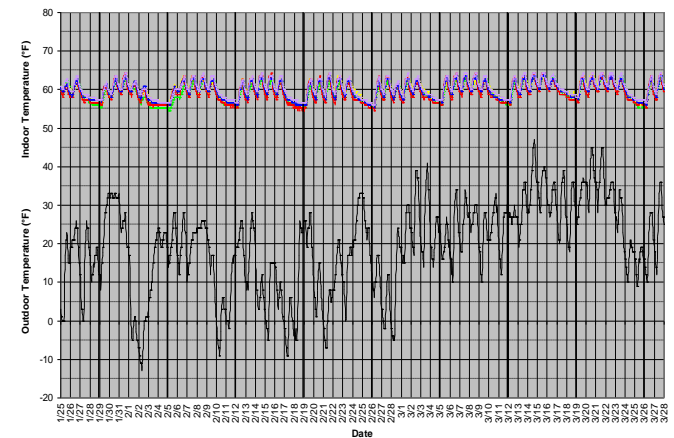
\$0.10 / sq.ft. (Gas only @ \$0.50/therm)



DATALOGGER GRAPH

Logging period: 1/25/00 - 3/28/01

Logging interval: 30 minutes



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