

# Cambridge Case Study

## Distribution Center

Tremont, PA (Central Pennsylvania)



### BUILDING DETAILS

**Size:** 1,200,000 sq.ft. x 45 ft. High  
**Construction :** R-13 Roof  
R-4 Walls

### OPERATING CONDITIONS

**Operating Hours:** 24 hrs/day 5 days/wk  
**Design Temperature:** 65° @ 9°  
**Thermostat Settings:** 70° occupied / 60° setback  
**Average Temperature:** 67°  
**Heating System:** Cambridge Space Heaters  
10 @ 2200 MBH  
Thru wall mounting

### ACTUAL FUEL USE

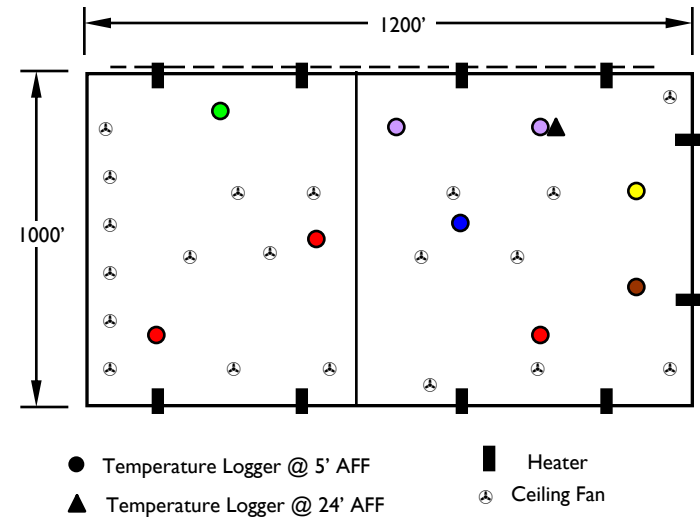
for the 2001-02 heating season (5,047 Heating Degree Days @ 67°)

**4.6 Btu / HDD / sq. ft.**

### CALCULATED OPERATING COST

for normal heating season (5,411 Heating Degree Days @ 65°)

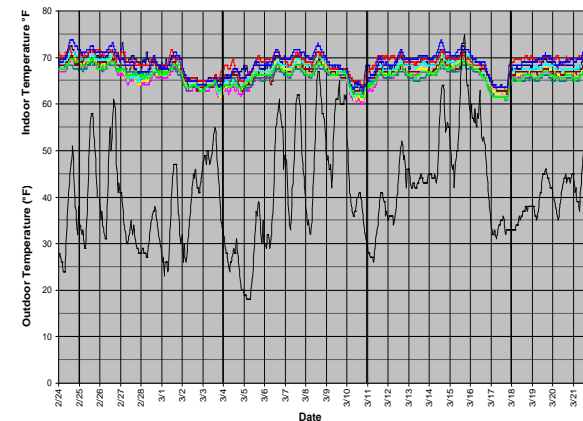
**\$0.13 / sq.ft.** (Gas only @ \$0.50/therm)



### DATALOGGER GRAPH

**Logging period:** 2/24/02 - 3/22/02

**Logging interval:** 30 minutes



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