

# CASE STUDY

Warehouse – Mechanicsburg, PA

## OPERATING CONDITIONS

**Operating Hours:** 16 hrs/day - 5 days/wk

**Design Temperature:** 60° @ 0°

**Average Temperature:** 65°

**Heating System:** Cambridge Space Heaters

2 @ 900 MBH

Roof top mounting

## ACTUAL FUEL USE

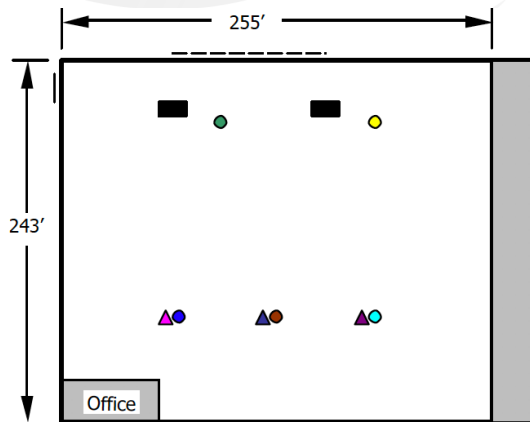
for the 1999-2000 heating season (4657 Heating Degree Days @ 65°)

**3.6 Btu/HDD/sq.ft.**

## CALCULATED OPERATING COST

for normal heating season (5441 Heating Degree Days @ 65°)

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

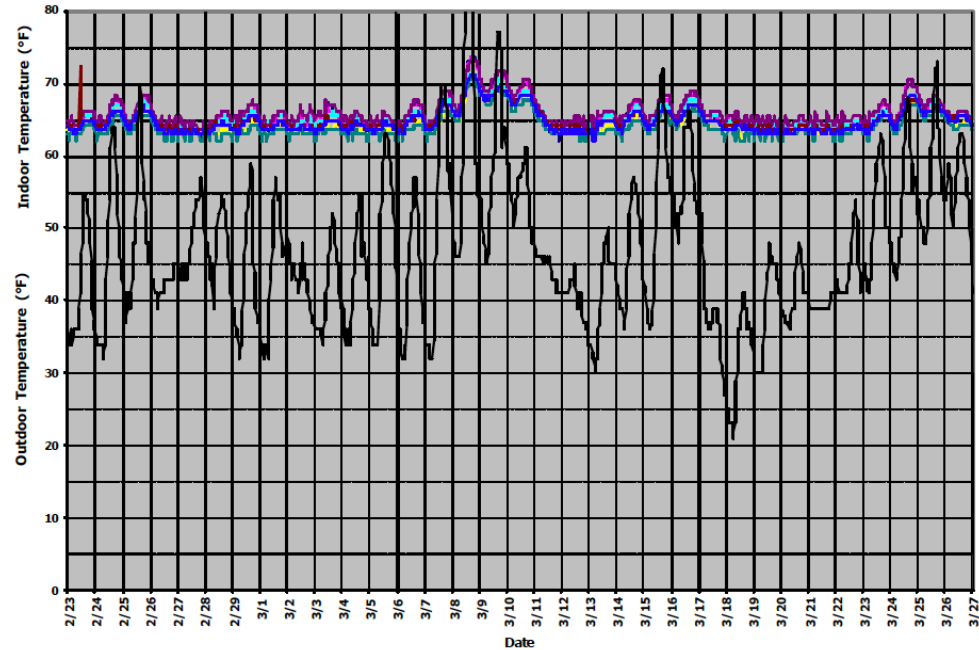


- Temperature Logger @ 5' AFF
- ▲ Temperature Logger @ 27' AFF
- Cambridge Heater

## DATALOGGER GRAPH

Logging period: 2/23 - 4/10

Logging interval: 30 minutes



## BUILDING DETAILS

**Size:** 62,000 sq.ft x 34 ft. High

**Construction:** R-19 Roof

R-3 Walls