

CASE STUDY

District Warehouse – Detroit, MI

OPERATING CONDITIONS

Operating Hours: 24 hrs/day - 5 days/wk

Design Temperature: 55° @ 0°

Thermostat Settings: 60°

Average Temperature: 60°

Heating System: Cambridge Space Heaters
2 @ 900 MBH
Rooftop mounting

ACTUAL FUEL USE

for the 1997-98 heating season (3,162 Heating Degree Days @ 60°)

3.8 Btu/HDD/sq.ft.

CALCULATED OPERATING COST

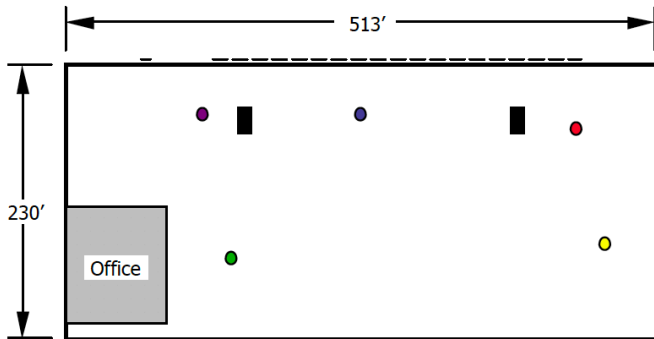
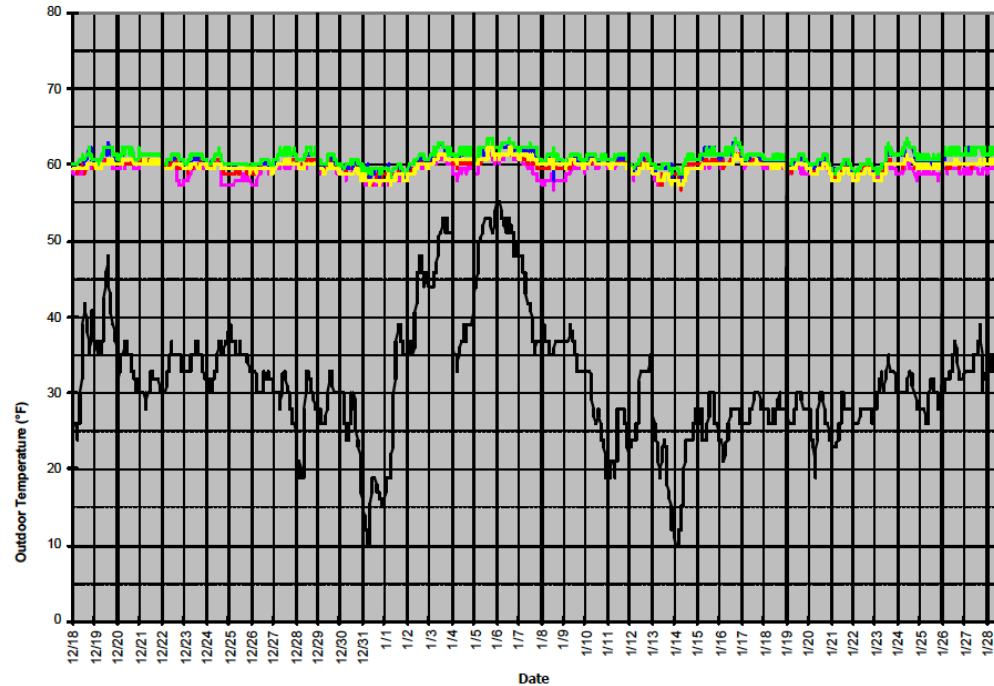
for normal heating season (5,023 Heating Degree Days @ 65°)

\$0.09 / sq.ft. (Gas only @ \$0.50/therm)

DATALOGGER GRAPH

Logging period: 12/18/97 - 1/28/98

Logging interval: 30 minutes



- Temperature Logger @ 5' AFF
- Cambridge Heater

BUILDING DETAILS

Size: 117,990 sq.ft x 35 ft. High

Construction: R-112 Roof

R-8 Walls above 10'

R-2 Walls below 10'