

Cambridge Case Study

Distribution Center

Long Island, NY



BUILDING DETAILS

Size: 192,000 sq.ft. x 33 ft. High

Construction: R-19 Roof
R-11 Walls

OPERATING CONDITIONS

Operating Hours: 21 hrs/day 5 days/wk

Design Temperature: 55° @ 0° (Warehouse)
45° @ 0° (Loading dock)

Average Temperature: 63°

Heating System: Cambridge Engineering
1 @ 400 MBH - Rooftop mounting
1 @ 900 MBH - Thru wall mounting
1 @ 1900 MBH - Rooftop mounting

ACTUAL FUEL USE

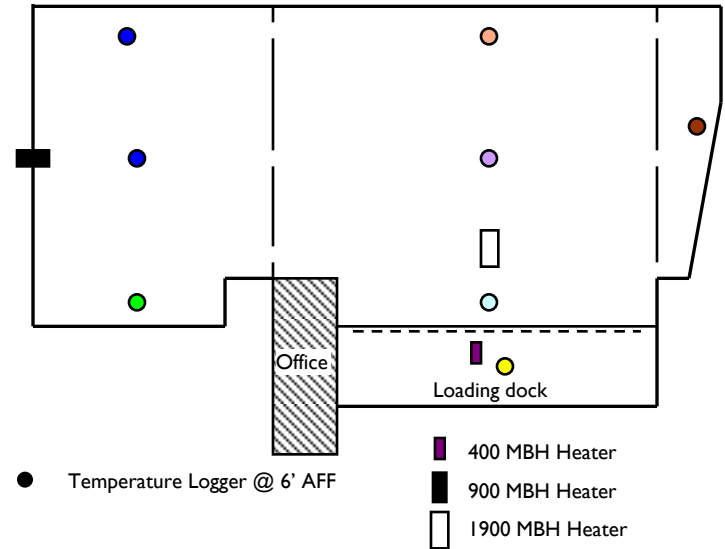
for the 1998-99 heating season (4,988 Heating Degree Days @ 65°)

4.2 Btu / HDD / sq.ft.

CALCULATED OPERATING COST

for normal heating season (5,476 Heating Degree Days @ 65°)

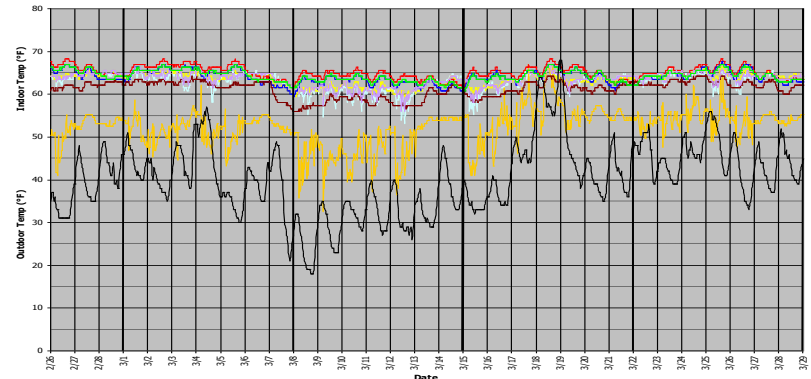
\$0.10 / sq.ft. (Gas only @ \$0.50/therm)



DATALOGGER GRAPH

Logging period: 2/26/99 - 3/30/99

Logging interval: 30 minutes



760 Long Road Crossing Dr. • Chesterfield MO 63005
800-899-1989 • www.cambridge-eng.com