

Cambridge Case Study

Distribution Center

Cleveland, OH



BUILDING DETAILS

Size: 121,400 sq.ft. x 27 ft. High

Construction: R-20 Roof

R-11 Walls

OPERATING CONDITIONS

Operating Hours: 24 hrs/day 5 days/wk

Design Temperature: 65° @ 0°

Thermostat Settings: 65° occupied / 60° setback

Average Temperature: 65°

Heating System: Cambridge Space Heaters

2 @ 1200 MBH

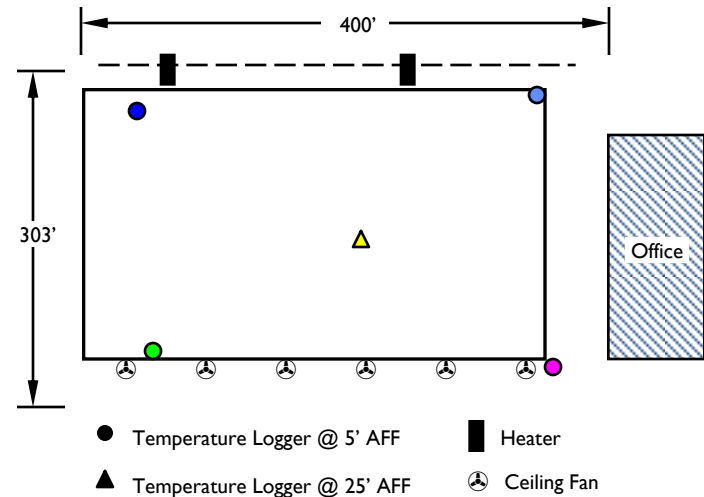
Thru wall mounting

CALCULATED OPERATING COSTS *

for 30 year (1971-2000) average heating seasons

Indoor Temp	HDDs	@ \$0.75 / therm	@ \$1.00 / therm	@ \$1.25 / therm
50°	2,831	\$0.05 / ft ²	\$0.05 / ft ²	\$0.07 / ft ²
55°	3,773	\$0.07 / ft ²	\$0.09 / ft ²	\$0.12 / ft ²
60°	4,857	\$0.09 / ft ²	\$0.12 / ft ²	\$0.15 / ft ²
65°	6,097	\$0.11 / ft ²	\$0.15 / ft ²	\$0.19 / ft ²

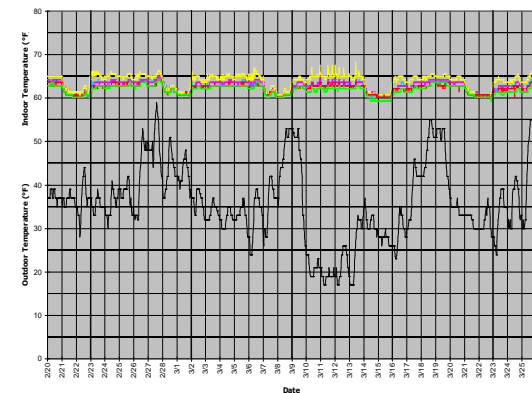
* based on actual 1996-97 consumption of 18,042 therms for 6,092 Heating Degree Days



DATALOGGER GRAPH

Logging period: 2/20/98 - 3/26/98

Logging interval: 30 minutes



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