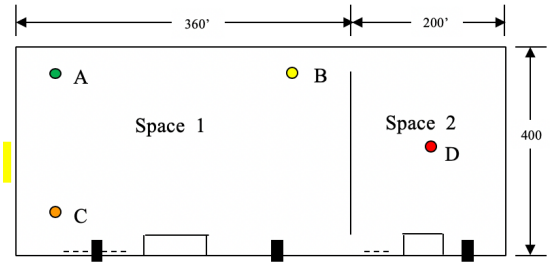
RETROFIT CASE STUDY

Cambridge Space Heaters vs. Unit Heaters
Food Distribution Warehouse - IN

Building Specifications

- 216,000 ft²
- Located in Indianapolis, IN

Construction: Roof: R-10 | Walls:16' Metal w/ 2" Insulation | 10' Uninsulated Tilt Concrete

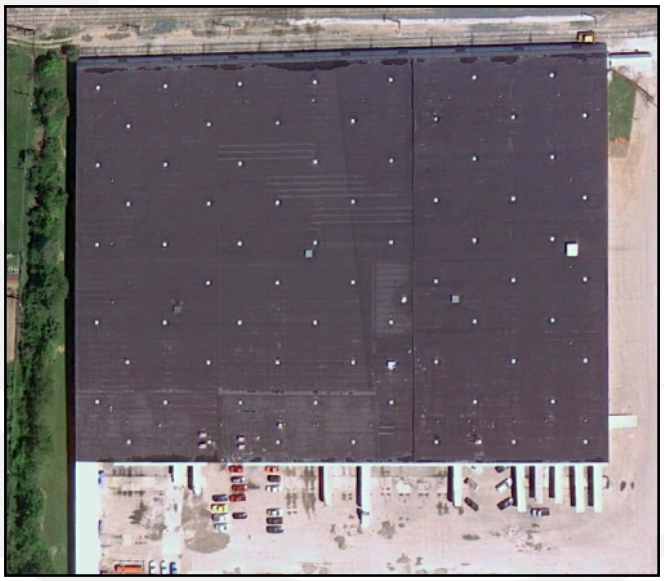


Space 1

Average Space Temp = 59°
Average Temp Logger A = 58°
Average Temp Logger B = 59°
Average Temp Logger C = 59°
Average Difference Loggers A & C = 1°

Space 2

Average Space Temp 61°



BEFORE

Unit Heaters

Performance

- Uneven temperatures
- Cold dock areas
- High gas costs
- Poor Indoor Air Quality
- No summer ventilation

Operating Costs

Based on:
46,959 therms for 2009 -10 heating season
Normalized to 30 year averages @ 50°

$0.22/ft² Total cost @ $1.00/therm

AFTER

Cambridge Space Heaters

Performance

- More even temperatures
- Better Indoor Air Quality
- Lower Energy Cost
- Provided summer ventilation

Operating Costs

Based on:
45,446 therms for 2011-12 heating season
Normalized to 30 year averages @ 60°

$0.21/ft² Total cost @ $1.00/therm

SUMMARY

The Cambridge system saved **5% in gas**, while maintaining a 10° high building temperature. If the customer would have maintained 50° they would have saved an additional **$22,000**.

Note: If the customer had operated the system at 50° as designed, they would have they would havereduced their fuel consumption by 47%.

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