



FUEL SAVINGS REPORT

for

DISTRIBUTION WAREHOUSE FACILITY

ELKHART, INDIANA

PROJECT HISTORY

Based on recommendations from the quality-oriented general contractor and local Thermo-Cycler Dealer, nine (9) THERMO-CYCLER® GTC480M gas fired heating units were selected as the preferred comfort heating system in a new distribution facility for this major distributor of recreational vehicle and manufactured housing products.

BUILDING DATA

TOTAL AREA: 357,000 SQ. FT. (602' X 500', APPROX. 292,500 SF WAREHOUSE & APPROX. 64,500 SF OFFICE)

AVERAGE HEIGHT: 26.6 FT. (24 FT. EAVE, 1/4:12 PITCH)

OVERHEAD DOORS: 36 OVERHEAD DOORS (30 - 8' X 9', 5 - 14' X 14', 1- 24 'x 14')

WALL CONSTRUCTION: PRE-ENGINEERED METAL (BUTLER® SHADOWRIB) WITH 4" INSULATION
LOWER 8' 8" - FILLED CORE MASONRY WAINSCOT

ROOF CONSTRUCTION: PRE-ENGINEERED METAL (BUTLER® MR-24) WITH 6" INSULATION

BUILDING USAGE: WAREHOUSE (RV/ MANUFACTURED HOUSING PRODUCTS)

DESIGN CONDITIONS: 65° F @ 0° F; ACTUAL SEASONAL DEGREE DAYS: 6,759

Seasonal Gas Usage & Cost		
Billing Period	Mcf Used	
October 4 -November 25 29	347.8	
November 25 - February 27	3134.5	
February 27 - March 27	613.4	
March 27- April 28	425.9	
April 28 - May 27	218.7	
Annual Total	4740.3 Mcf	\$26,356.00 (@ \$5.56 per Mcf)

**7.4¢
per
sq. ft.**

BOTTOM LINE

“We are extremely happy with how little energy was used during our winter season.”

During the first season of operation, energy efficient recovery of all internal sources of heat gain by the THERMO-CYCLER® System resulted in a seasonal heating cost of only 7.4 cents per square foot based on an average gas cost of \$ 5.⁵⁶ per Mcf. When contacted by Thermo-Cycler after the first heating season, the Associate Vice President of Operations responded “We are extremely happy with how little energy was used during our winter season”



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