

## INFORMATION FOR SAMPLE HEAT LOSS ESTIMATION

### A. BUILDING DATA

Building Location:	Lincoln, Nebraska
Building Usage:	Warehouse
Building Age:	5 Years
Building Type:	Metal
Building Length:	240'
Building Width:	100'
Building Overview:	10 Overhead Doors 10 Windows 10 Skylights 4 Entry Doors

### B. BUILDING CONSTRUCTION DATA

Walls:	Metal with 3" Fiberglass Insulation
Wall Height:	Eave = 20' Peak = 30' Average Roof Height = 25'
Foundation:	4' High 12" Concrete Block
Floor:	Concrete Slab, Insulated Slab Edge
Roof:	Flat Metal with 3" Fiberglass Insulation
Entry Doors:	7' x 3', Uninsulated Metal (Total of 4)
Overhead Doors:	12' x 12', Uninsulated Metal (Total of 10)
Skylights:	8' x 3', Double Wall Bubble (Total of 10)
Windows:	4' x 4', Insulating Glass, 1/2" Air Space (Total of 10)

### C. BUILDING VENTILATION DATA

Existing Power Ventilation:	2500 CFM
Existing Gravity Ventilation:	None
Internal Heat Loss/Gain:	None
Estimated Air Change for Infiltration Heat Loss:	0.35/Hour
Additional Air Changes Required for Building Ventilation:	None

### D. BUILDING OPERATING CONDITIONS

Inside Design Temperature:	65°F
Outside Design Temperature:	-5°F
Night Setback Inside Design Temperature:	50°F
Hours Per Day at Setback:	12
Days Per Week at Normal Building Operating Conditions:	5

### E. TYPE OF FUEL AVAILABLE

Type of Fuel:	Natural Gas
Fuel Cost:	\$0.60/Therm
Type of Infrared Heater:	Vented Tube Heater
Heater Mounting Height:	18'