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: 65ºF
Outside Design Temperature: –5ºF
Night Setback Inside Design Temperature: 50ºF
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'