This manufactured home has been thermally insulated to conform with the requirements of the federal manufactured home construction and safety standards for all locations within U value Zone _______. (See map at bottom).

Heating equipment manufacture and model (See list at left).
The listed heating equipment has the capacity to maintain an average 70° F temperature in this home at outdoor temperatures of ______ ° F. To maximize furnace operating economy, and to conserve energy, it is recommended that this home be installed where the outdoor winter design temperature (97 ½%) is not higher than ______ ° F.

The above information has been calculated assuming a maximum wind velocity of 15 MPH at standard atmospheric pressure.

COMFORT COOLING

□ AIR CONDITIONER PROVIDED BY FACTORY (Alternate I)
The air conditioner manufacturer and model (See list at left). Certified capacity ______ Btu/h in accordance with the appropriate Air Conditioning and Refrigerator Standards.
The central air conditioning system provided in this home has been sized assuring an orientation of the front (hitch end) of the home facing _______. On this basis the system is designed to maintain an indoor temperature of 75° F dry bulb and ______ ° F wet bulb.

The temperature to which this home can be cooled will change depending upon the amount of exposure of the windows of this home to the sun’s radiant heat. Therefore, the home’s heat gains will vary dependent upon its orientation to the sun and any permanent shading provided. Information concerning the calculation of cooling loads at various locations, window exposures and shadings are provided in Chapter 22 of the 1989 edition of the ASHRAE Handbook of Fundamentals. Information necessary to calculate cooling loads at various location and orientations is provided in the special comfort cooling information provided with this home.

□ AIR CONDITIONER NOT PROVIDED BY FACTORY (Alternate II)
The air distribution system of this home is suitable for the installation of central air conditioning. The supply air distribution system installed in this home is sized for a manufactured home central air conditioning system of up to ______ Btu/h rated capacity which are certified in accordance with the appropriate Air Conditioning and Refrigerator Institute standards, when the air circulators of such air conditioners are rated at 0.3-inch water column static pressure or greater for the cooling air delivered to the manufactured home supply air duct system.

To determine the required capacity of the equipment to cool a home efficiently and economically, cooling load (heat gain) calculation is required. The cooling load is dependent on the orientation location and the structure of the home. Central air conditioner operates most efficiently and provide the greatest comfort when their capacity closely approximates the calculated cooling load. Each home’s air conditioner should be sized in accordance with Chapter 22 of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Handbook of Fundamentals once the location and orientation are known.

INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

Walls (without windows or doors): ______ U
Ceiling and roofs of light color: ______ U
Ceilings and roofs of dark color: ______ U
Floors: ______ U
Air ducts in floors: ______ U
Air ducts in ceiling: ______ U
Air ducts installed outside the home: ______ U
Duct area in this house as follows:
Air ducts in the floor: ______ sq. ft.
Air ducts in the ceiling: ______ sq. ft.
Air ducts outside the home: ______ sq. ft.