OMAN HOMES, INC.
P. O. Box 6439
Americus, Ga. 31709
912-924-6494

Plant Number 148

Date of Manufacture	HUD No
10-16-86	GEO 449424

Manufacturer's Serial Number and Model Unit Designation

14801314 52F2KSGR 6838

Design Approval by (D.A.P.I.A.)

P.F.S. Corp.

This manufactured home is designed to comply with the federal manufactured home construction and safety standards in force at time of manufacture. (For additional information, consult owner's manual.)

The factory installed equipment includes:

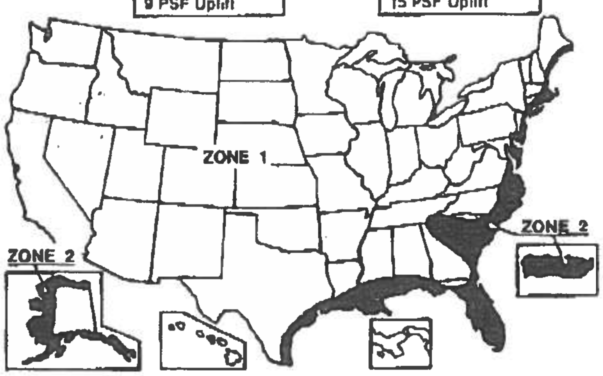
Equipment	Manufacturer	Model Designation
For heating	Intertherm	MGB-044A-B
For air cooling	Not provided	
For cooking	Magic Chef	U31FA-7
Refrigerator	Magic Chef	RB15DA,AA
Water heater	Intertherm	HSE-20F-120S
Washer		
Clothes Dryer		
Dishwasher		
Garbage Disposal		
Fireplace		

STRUCTURAL DESIGN BASIS CERTIFICATE

DESIGN WIND ZONE MAP

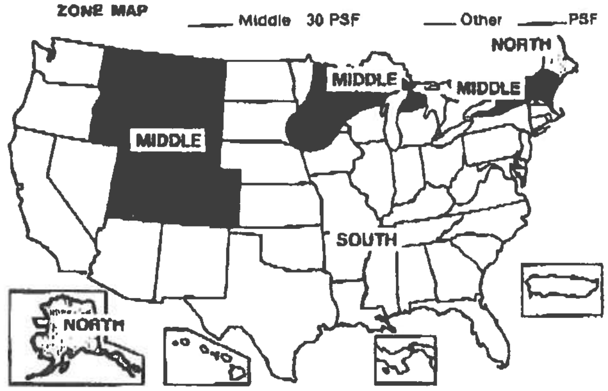
☐ Zone I
Standard Wind
15 PSF Horizontal
9 PSF Uplift

☒ Zone II
Hurricane Resistive
25 PSF Horizontal
15 PSF Uplift



DESIGN ROOF LOAD ZONE MAP

___ North 40 PSF
___ Middle 30 PSF
☒ South 20 PSF
___ Other ___ PSF



HEATING AND COOLING DESIGN BASIS CERTIFICATE

within climatic zone One.
Heating equipment manufacturer and model (see list at left).
The above heating equipment has the capacity to maintain an average 70° F temperature in this home at outdoor temperatures of -48° F.
To maximize furnace operating economy, and to conserve energy, it is recommended that this home be installed where the outdoor winter design temperature (97½%) is not higher than -13° degrees Fahrenheit.
The above information has been calculated assuming a maximum wind velocity of 15 mph at standard atmospheric pressure.

COMFORT COOLING

☐ **Air conditioner provided at factory (Alternate I)**

Air conditioner manufacturer and model (see list at left).

Certified capacity — ______ B.T.U./hour in accordance with the appropriate air conditioning and refrigeration institute 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 when outdoor temperatures are ______ 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 1972 edition of the ASHRAE Handbook of Fundamentals.

Information necessary to calculate cooling loads at various locations and orientations is provided in the special comfort cooling information provided with this home.

☒ **Air conditioner not provided at 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 36,163 B.T.U./hr. rated capacity which are certified in accordance with the appropriate air conditioning and refrigeration 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.
Information necessary to calculate cooling loads at various locations and orientations is provided in the special comfort cooling information provided with this manufactured home.

☐ **Air conditioning not recommended (Alternate III)**
The air distribution system of this home has not been designed in anticipation of its use with a central air conditioning system.

INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

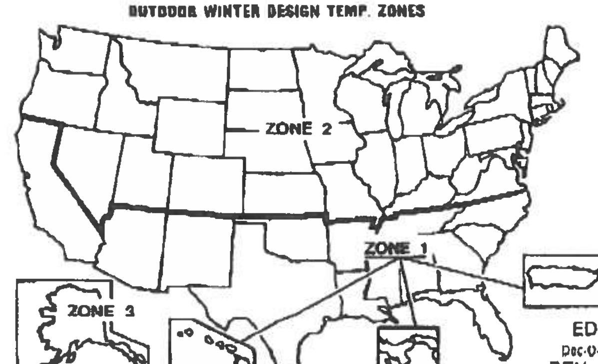
Walls (without windows and doors)	"U"	.097
Ceilings and roofs of light color	"U"	.073
Ceilings and roofs of dark color	"U"	.073
Floors	"U"	.177
Air ducts in floor	"U"	.121
Air ducts in ceiling	"U"	.121
Air ducts installed outside the home	"U"	.121

The following are the duct areas in this home.

Air ducts in floor	50.0 sq. ft.
Air ducts in ceiling	N/A sq. ft.
Air ducts outside the home	N/A sq. ft.

To determine the required capacity of equipment to cool a home efficiently and economically, a cooling load (heat gain) calculation is required. The cooling load is dependent on the orientation, location and the structure of the home. Central air conditioners operate 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.

OUTDOOR WINTER DESIGN TEMP. ZONES



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