46277

COMPLIANCE CERTIFICATE

Redman Homes, Inc.

Manufacturer Address:
1602 Industrial Park Drive
Plant City, Florida 33566

Date of Manufacture	Plant Number	HUD No.
10/29/85	146	FLA309695

Manufacturer's Serial Number and Model Unit Designation
14602188 70F2BD

Design Approval by (D.A.P.I.A.)
PSF Corp., 9550 Skillman, #111, Dallas, TX

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	MGH055AB
For air cooling		
For cooking	Magic Chef	U31EA7-02
Refrigerator	Magic Chef	RB15DA0AA
Water heater	Intertherm	HSE30F-240S
Washer		
Clothes Dryer		
Dishwasher		
Garbage Disposal		
Fireplace		
Smoke Detector	Probe	201
	(heating 45,650 BTU/H) min.	

STRUCTURAL DESIGN BASIS CERTIFICATE

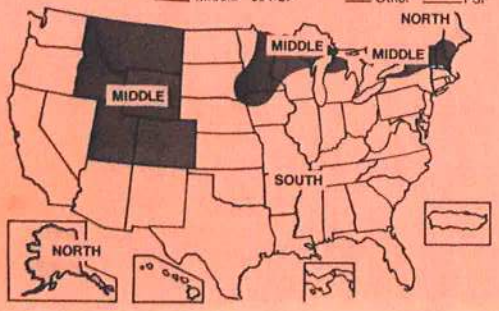
DESIGN WIND ZONE MAP

☐ Zone I — Standard Wind — 15 PSF Horizontal — 9 PSF Uplift

XX Zone II — Hurricane Resistive — 25 PSF Horizontal — 15 PSF Uplift

DESIGN ROOF LOAD ZONE MAP

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



1500-C
(Rev. 7-85)

HEATING AND COOLING DESIGN BASIS CERTIFICATE

This manufactured home has been thermally evaluated to comply with the requirements of the federal manufactured home construction and safety standards for all locations within climatic zone 1

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 -12 F.
To maximize furnace operating economy, and to conserve energy, it is recommended that this home be installed where the outdoor winter design temperature is 13 F or higher than +13 degrees Fahrenheit.
The above information has been calculated assuming a maximum wind velocity of 15 mph at standard atmospheric pressure.

OUTDOOR WINTER DESIGN TEMP. ZONES

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 assuming 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 very 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 manufactured home.

XX ☐ **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 manufactured home central air conditioning system of up to 29,300 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.

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.

INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

Walls (without windows and doors)	"U"	.1177
Ceilings and roofs of light color	"U"	.0884
Ceilings and roofs of dark color	"U"	N/A
Floors	"U"	.1380
Air ducts in floor	"U"	.1972
Air ducts in ceiling	"U"	N/A
Air ducts installed outside the home	"U"	N/A

The following are the duct areas in this home:

Air ducts in floor	61.2	sq. ft.
Air ducts in ceiling	N/A	sq. ft.
Air ducts outside the home	N/A	sq. ft.