Mobile Home Permit Worksheet

Application Number: _____ Date: _____

Installer : Dale Houston License # IH1025142

Address of home being installed: 909 SW Norris Ave, Lake City Fl 32024

Manufacturer: Redman Homes Length x width: _____

New Home ☐ Used Home ☒

Home installed to the Manufacturer's Installation Manual ☐
Home is installed in accordance with Rule 15-C ☑

Single wide ☐ Wind Zone II ☐ Wind Zone III ☐

Double wide ☒ Installation Decal # 85155

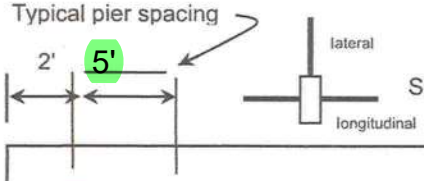
Triple/Quad ☐ Serial # FLA-146M10008 A/B

NOTE: ***if home is a single wide fill out one half of the blocking plan***
if home is a triple or quad wide sketch in remainder of home

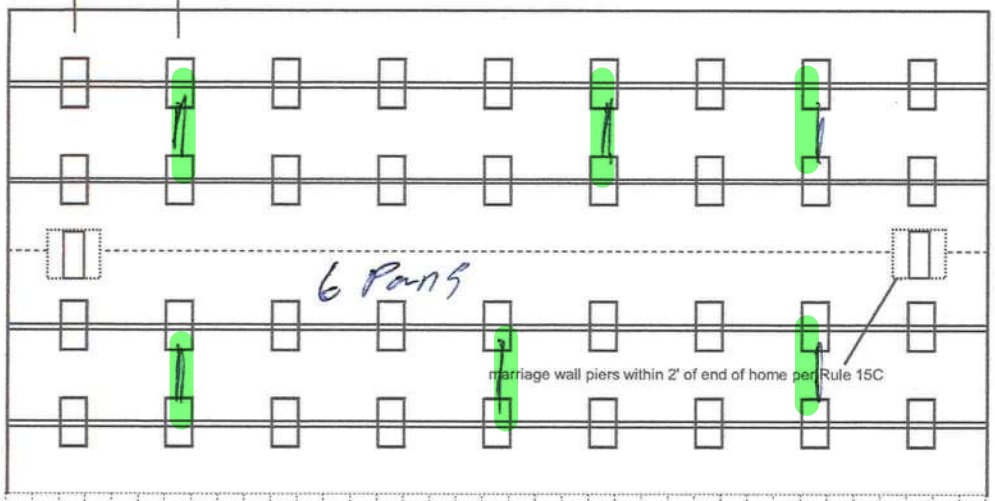
I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials: DH

Typical pier spacing



Show locations of Longitudinal and Lateral Systems (use dark lines to show these locations)



PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*	26" x 26" (676)
1000 psf		3'	4'	5'	6'	7'	8'
1500 psf		4' 6"	6'	7'	8'	8'	8'
2000 psf		6'	8'	8'	8'	8'	8'
2500 psf		7' 6"	8'	8'	8'	8'	8'
3000 psf		8'	8'	8'	8'	8'	8'
3500 psf		8'	8'	8'	8'	8'	8'

* interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

I-beam pier pad size: 17x25

Perimeter pier pad size: 17x22

Other pier pad sizes (required by the mfg.): _____

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening	Pier pad size
	17x25

POPULAR PAD SIZES

Pad Size	Sq In
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

4 ft ✓ 5 ft ✓

FRAME TIES

within 2' of end of home spaced at 5' 4" oc

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer
Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer

OTHER TIES

	Number
Sidewall	2
Longitudinal	6
Marriage wall	2
Shearwall	4

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

Anthony Nolan

01-04-2022

Mobile Home Permit Worksheet

Application Number: _____ Date: _____

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to _____ psf or check here to declare 1000 lb. soil ✓ without testing.

X 1000 X 1000 X 1000

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

Columbia County Building Department — Plans Reviewed for Code Compliance — State of Florida

X 1000 X 1000 X 1000

TORQUE PROBE TEST

The results of the torque probe test is 285 inch pounds or check here if you are declaring 5' anchors without testing _____. A test showing 275 inch pounds or less will require 5 foot anchors.

Note: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb holding capacity.

DH Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Dale Houston

Date Tested 12/27/21

Electrical ✓

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between mult-wide units. Pg. _____

Plumbing ✓

Connect all sewer drains to an existing sewer tap or septic tank. Pg. _____

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. _____

Site Preparation

Debris and organic material removed _____.
Water drainage: Natural _____ Swale _____ Pad _____ Other _____.

Fastening multi wide units

Floor:	Type Fastener: Lags	Length: 6"	Spacing: 18"
Walls:	Type Fastener: "	Length: "	Spacing: "
Roof:	Type Fastener: "	Length: "	Spacing: "

For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, meldew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials

Type gasket Foam
Pg. _____

Installed:
Between Floors Yes ✓
Between Walls Yes ✓
Bottom of ridgebeam Yes ✓

Weatherproofing

The bottomboard will be repaired and/or taped. Yes ✓ Pg. _____
Siding on units is installed to manufacturer's specifications. Yes ✓
Fireplace chimney installed so as not to allow intrusion of rain water. Yes ✓

Miscellaneous

Skirting to be installed. Yes ✓ No
Dryer vent installed outside of skirting. Yes ✓ N/A _____
Range downflow vent installed outside of skirting. Yes ✓ N/A _____
Drain lines supported at 4 foot intervals. Yes ✓
Electrical crossovers protected. Yes ✓
Other : _____

Installer verifies all information given with this permit worksheet is accurate and true based on the manufacturer's installation instructions and or Rule 15C-1 & 2

Installer Signature Dale Houston Date _____

Manufacturer Address:
REDMAN HOMES INC.
1602 INDUSTRIAL PARK DR.
PLANT CITY, FLA. 33567

Plant Number: 146

Date of Manufacture	HUD Label No.(s)
10/75	FLA-578157 FLA-578158

Manufacturer's Serial Number and Model Unit Designation

FLA-146M10008 A/B 643450 model 5144

Design Approval by (D & PCA)

FFS CORP 9550 SKILLMAN 3111 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:

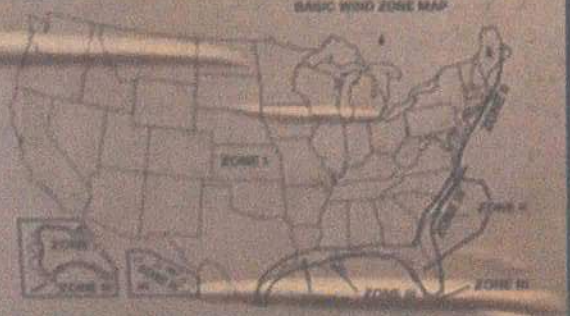
Equipment	Manufacturer	Model Designation
For heating	NOT SUPPLIED	BTU/H 38,046 min
For air cooling		
For cooking	FRIGIDAIRE	MEF303FCW
Refrigerator	FRIGIDAIRE	MRT21GRCW
Water Heater	RHEEM	71-405
Washer		
Clothes Dryer		
Dishwasher		
Garbage Disposal		
Fireplace	MARCO	752778

HOME CONSTRUCTED FOR ☐ Zone I ☐ Zone II ☐ Zone III

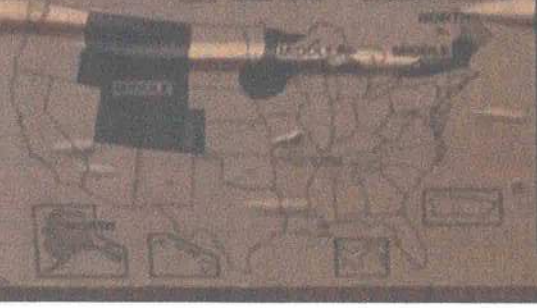
THE home has not been designed to the higher wind pressure and anchoring requirement required for mobile homes not sited or located within MILE of the coastline in Wind Zones II and III, unless the home and its anchoring and tiedown system have been designed for the increased requirements specified in Standard 7-85.

The home has ___ has not been equipped with storm shutters or other protective coverings for windows and exterior door openings. For homes designed to be located in Wind Zones II and III, which have not been provided with shutters or approved covering devices, it is strongly recommended that the home be made ready for installation with these devices in accordance with the method recommended in manufacturer's printed instructions.

BASIC WIND ZONE MAP



DESIGN WIND LOAD ZONE MAP



COMFORT HEATING

The manufactured home has been thermally evaluated to conform with the requirements of the federal manufactured home construction and safety standards for all locations within CONTINENTAL U.S.A. _____ Btu/hr at outdoor

Heating equipment manufacturer and model (See list of info)

The above heating equipment has the capacity to maintain an average 70° F temperature in the home at outdoor temperature of _____ °F.

To maintain furnace operating economy, and to conserve energy, it is recommended that the home be coupled where the outdoor winter design temperature (DT 1/2%) is not lower than _____ degrees Fahrenheit.

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

CONTINENTAL

☐ Air conditioner provided at factory (Alternate I)

Air conditioner manufacturer and model (see list of info)

Cooling capacity _____ BTU/hr in accordance with the manufacturer's air conditioning and refrigeration institute standards.

The central air conditioning system provided in this home has been calculated to maintain a temperature of the fresh fresh air of the home living _____ °F. On this basis the system is designed to maintain an indoor temperature of _____ °F when outdoor temperature is _____ °F dry bulb and _____ °F wet bulb.

The range from 30 mph gale force can be expected to cause a loss of cooling power the amount of exposure of the exterior of the home to the wind, the amount of shading and the home's total gains will vary depending upon its orientation to the sun and the amount of shading provided. Information concerning the influence of variety, height of shrubbery, location, window exposures and shadings are provided in Chapter 22 of the current 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 contained with this manual.

☒ 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 rated for a central air conditioning system of up to 38,046 BTU/hr. When capacity which has certified to comply with the manufacturer air conditioning and refrigeration institute standards, when in accordance of such air conditioners are sized in such a way which will provide a pressure or provide for the cooling air distributed for the manufactured home which is equal to or greater than the cooling air distributed for the manufactured home which is equipped with a central air conditioner which complies with the specified standards.

☐ Air conditioning not recommended (Alternate III)

The air distribution system of this home is not suitable for the installation of central air conditioning with a central air conditioning system.

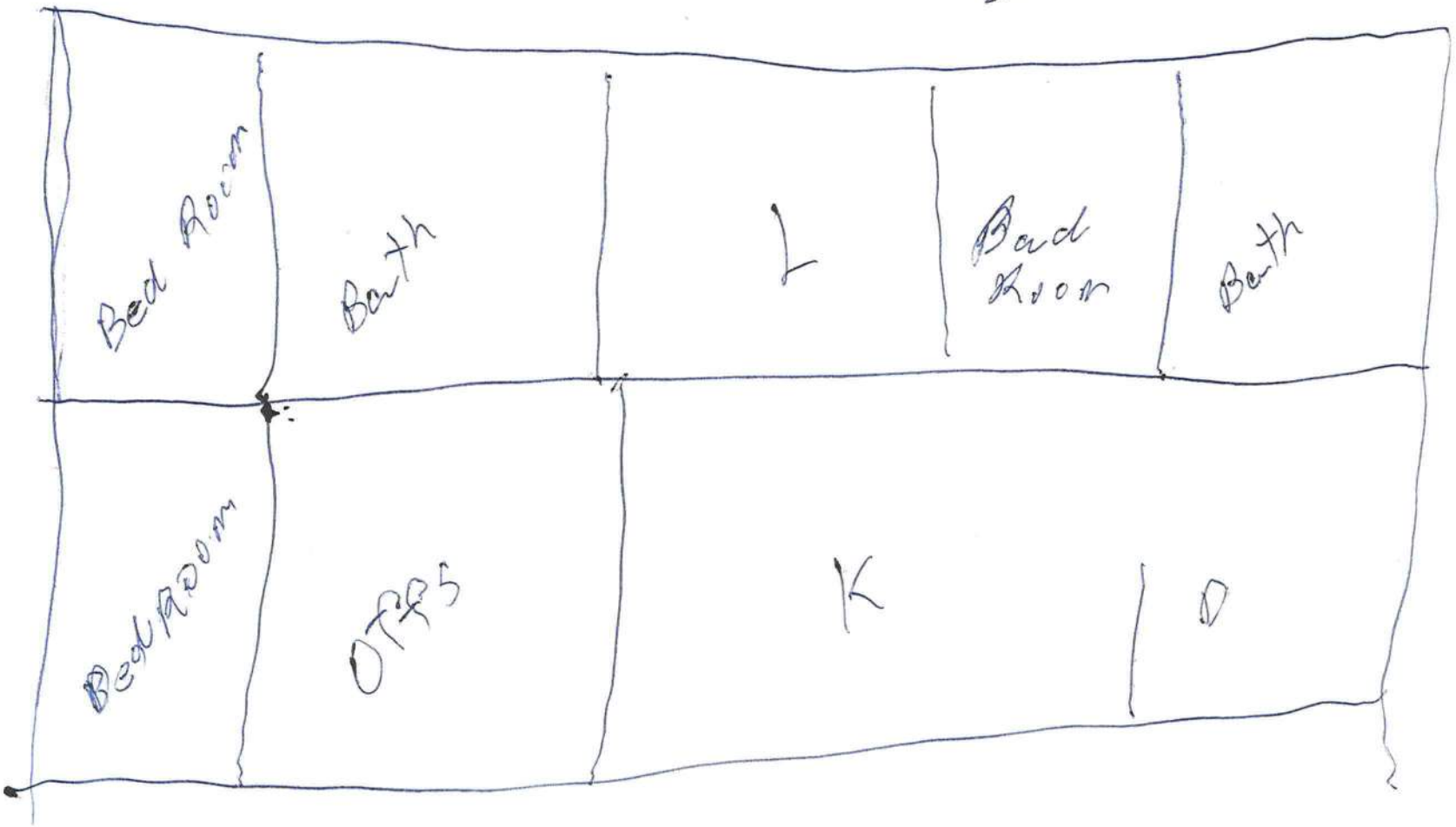
To determine the required capacity of equipment in any of the above alternatives, a cooling load (heat gain) calculation is required. The cooling load is dependent on the climate, sun exposure and the structure of the home. Central air conditioning cools the whole home and provides the greatest comfort when their capacity meets or exceeds 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. Third edition, date the number and revision are known.

INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

Wall (without windows and doors)	U = .078
Ceilings and roofs (light color)	U = .071
Ceilings and roofs (dark color)	U = .065
Floors	U = [illegible]
Air duct in floor	U = .121
Air duct in ceiling	U = .1152
Air duct installed outside the home	
The following are the duct sizes in the home:	
Air duct in floor	N/A
Air duct in ceiling	221.9
Air duct outside the home	N/A

UNITED WIND ZONE MAP

28x60



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