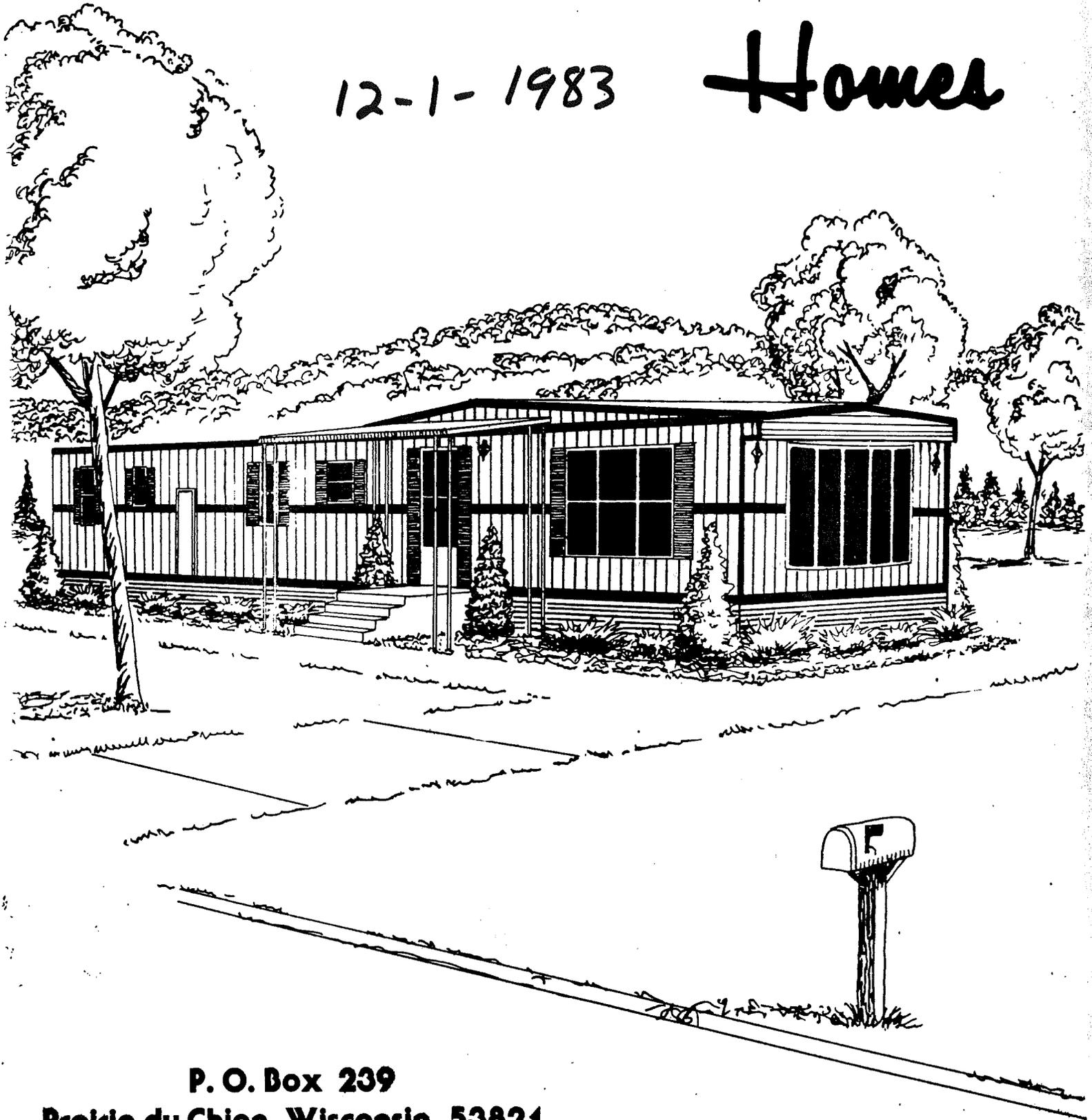


North American Homes

12-1-1983



**P. O. Box 239
Prairie du Chien, Wisconsin, 53821**

Set-up

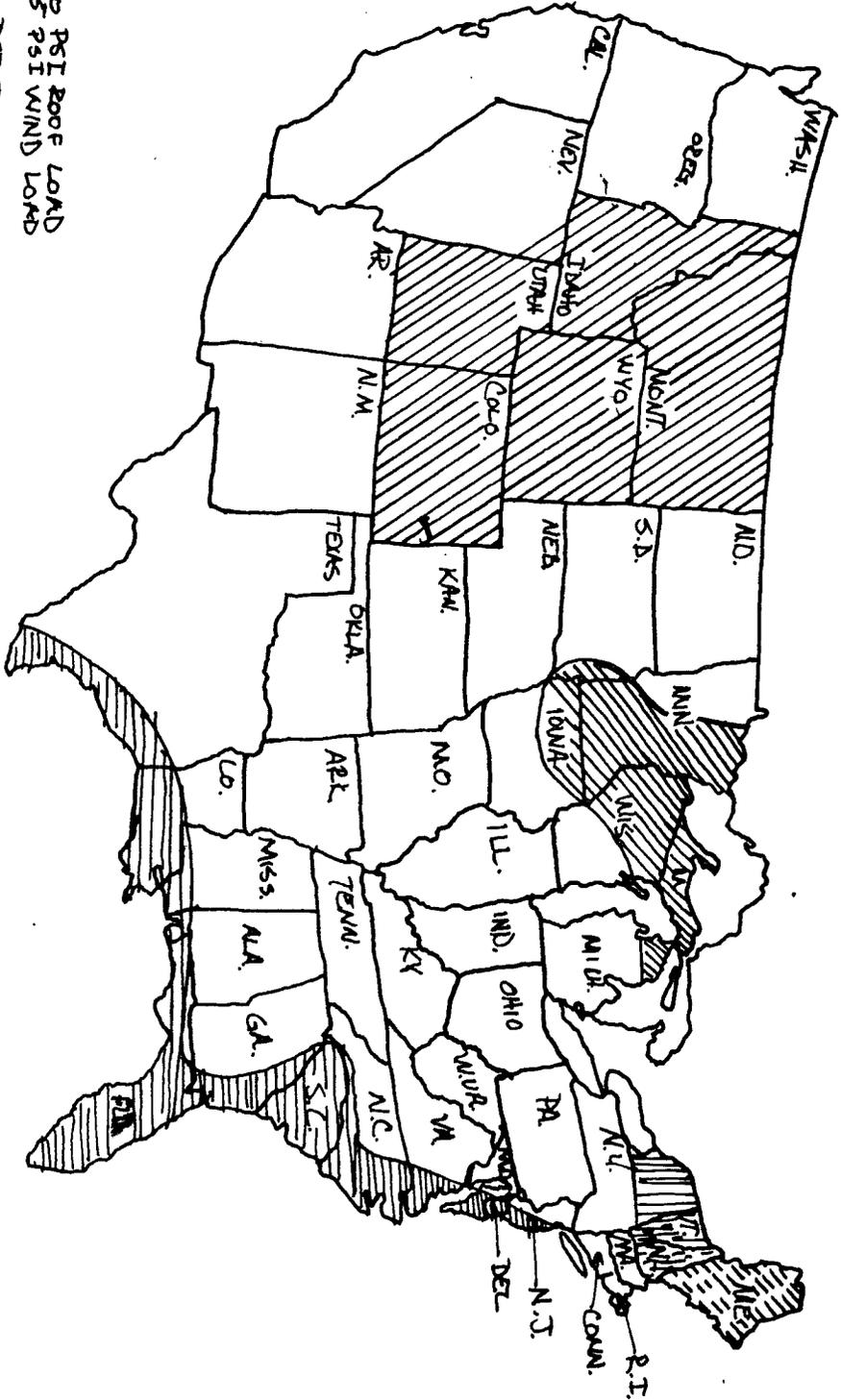
NORTH AMERICAN HOMES INSTALLATION MANUAL

Homes should be setup by qualified personnel. Please read carefully. Incorrect blocking and leveling can cause sagging with problems of leaking windows, roofs and walls, buckling of floors, walls, ceilings, binding of doors, windows and cabinets.

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- ▨ 30 PSI ROOF LOAD
- ▨ 15 PSI WIND LOAD
- ▨ 40 PSI ROOF LOAD
- ▨ 25 PSI WIND LOAD



ANYTHING UNMARKED IS 20 PSI ROOF LOAD
15 PSI WIND LOAD

It is preferable that support piers will be placed upon a solid concrete slab, or concrete ribbons, as found in many mobile home parks. A flat foundation is necessary when properly setting a mobile home. The lot must be graded and sloped to allow for storm drainage run-off with the area directly beneath the home graded to prevent water accumulation. The pier footing is to be placed on undisturbed soil (not loose fill).

Piers and blocking should be under each I-Beam of the home's frame. All piers are to be designed and constructed according to drawing #1. All wood used in the blocking should be hardwood, pressure treated. The shims should be at least as wide as the beam and 8 inches long for bearing purposes. The maximum recommended height of a single pier is 30 inches. All piers over 30 inches in height must be double tiered with all blocks interlocked and capped with a 2" X 8" x 16" solid concrete block. Piers should never exceed 48 inches in height.

Blocking/Piers should be located under each I- Beam of the homes frame not more than one (1) foot from each end. Intermediate blocking should be positioned not more than fifteen feet on center, directly in front of and behind the axles to both the front and rear of the home (see drawing 2).

All water supply and drainage systems and gas lines were tested for leaks prior to shipment from the factory. It is necessary that these systems be rechecked for leaks that may have been caused by vibration during transporting.

DRAINAGE SYSTEMS - Each home has one main drain outlet located within the rear half of the homes length. Connect securely, maintaining a slope of $\frac{1}{4}$ " per foot.

ELECTRICAL SYSTEMS - NOTE: All on-site electrical must be done by qualified personnel. The electrical connection to the home is to be made by a permanently installed feed line routed to the distribution panel through a factory installed feeder raceway which terminates beneath the home. A junction box of approved size must be used at the connection point of the home to the power supply.

SERVICE	100 AMP	200 AMP
Ground Conductor Size	#8	#6
Conduit Size	60 c 1½" min	60 c 2½" min
	75 c 1½" min	75 c 2" min
Size of Feeder Conductors AWG or MCM	60 c 1 cu (min)	250 cu (min)
	75 c 4 cu (min)	2/0 cu (min)
Junction Box Required For Hook-Up (Supplied By Elec. Service Installer)	9 x 9 x 3 min	12 x 12 x 4 min

After the service connection has been completed, the following tests should be made using approved test equipment.

- 1) Continuity test of circuit conductors.
- 2) Polarity test.
- 3) Continuity test of grounding system.

GAS PIPING SYSTEM (HOOK-UP/TESTING) - The gas piping system was designed for a range of 7 to 10½ inches of water column for natural gas and 11 to 14 inches of water column for LP gas. The mobile home gas supply pressure must be within this range for safe and efficient operation of the gas piping system.

The system was pressure tested for integrity prior to shipment from the factory. However, it will require rechecking by qualified personnel since transporting vibration may have created a leak (many utility companies require this on site test previous to hook-up).

Caution: Do Not Pressurize System Above Pressures Stated Below).

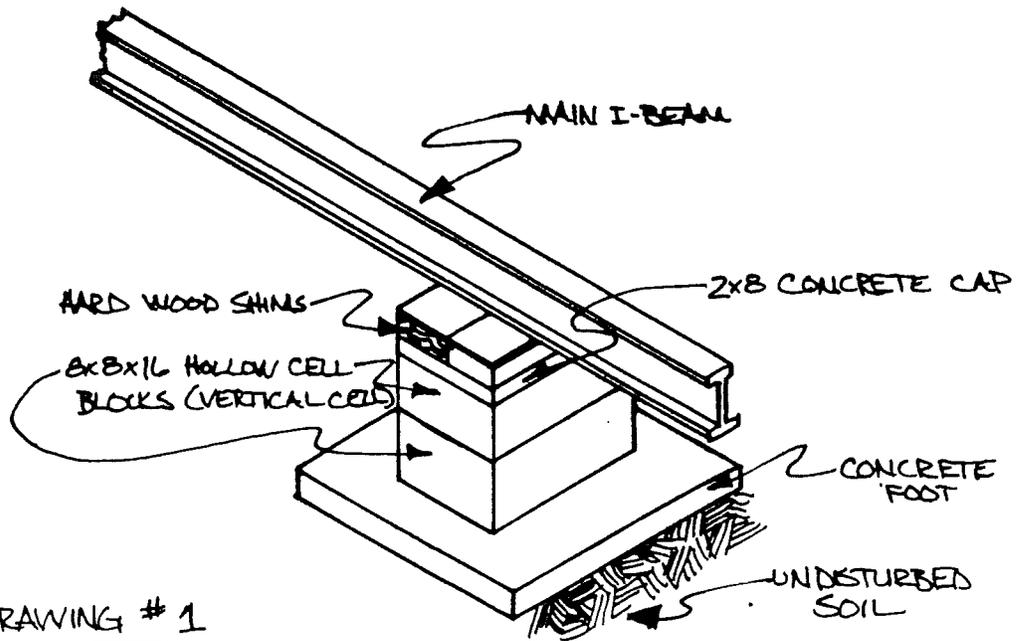
- 1) Shut off all appliance valves (to eliminate them from test circuit).
- 2) Pressurize the system to * 3PSI and isolate the source of pressure from the gas piping. *NOTE: pressure shall be measured with a precision gauge caubrated in increments of not greater than IPSI.
- 3) Check the gauge after 10 minutes; there should be no drop in pressure.

Leaks, if any, are located by wiping the system with a soapy water solution. Any defective pipe or fittings are to be replaced not repaired. Upon completion of the above test, gas appliance shut-off valves are opened and the entire system is pressurized to not less than 3PSI (10" water) nor more than 5PSI (14" water). All appliance connections are to be tested for leakage with a soapy water solution. NOTE: Before a test is begun, the temperature of the ambient air and of the piping should be approximately the same, conduct tests at such a time during the day when air temperatures will remain constant.

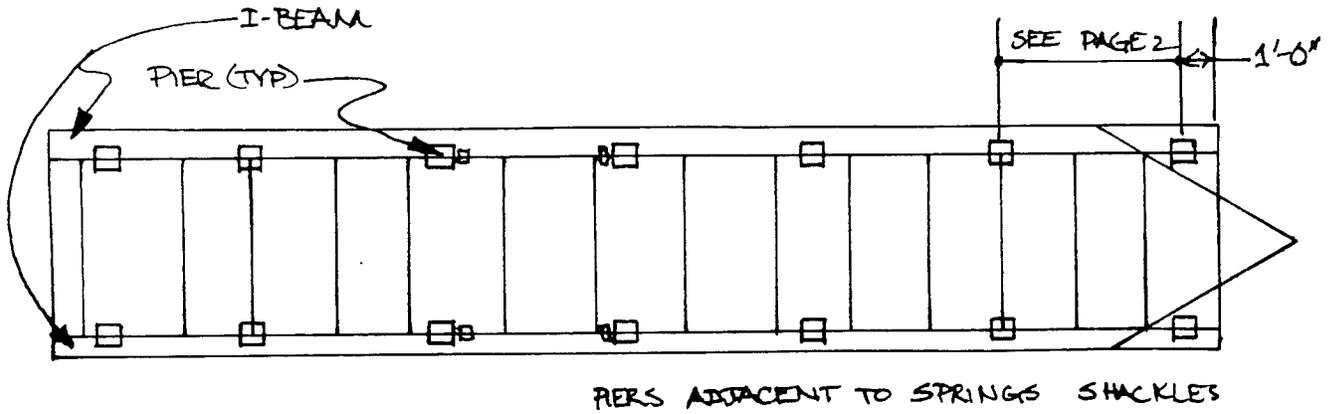
WATER SUPPLY SYSTEM - The water supply system may be connected to a safe, potable water source. The connection, located within the rear half of the homes length, is a single 3/4 inch threaded inlet. A master cold water shut-off valve is installed in the supply line adjacent to the home. The valve is of full flow type.

All exposed water pipe subject to freezing should be protected by insulation and electrical heat tape(s). An outdoor receptacle is located near the water supply inlet to facilitate such tape(s) installation. NOTE: It is recommended that only U.L. listed heat tapes for mobile home use be used and installed according to manufacturer's instructions. CAUTION: This water system is designed for maximum inlet water pressure of 80 P.S.I. If connected to a water supply source greater than 80 P.S.I., a pressure reducing valve must be installed to limit water line pressure.

We recommend the home be professionally inspected after it is setup, to assure that it has not been damaged in transit and it is properly setup.



DRAWING # 1



DRAWING # 2

PIER LOCATIONS NO SCALE
 NORTH AMERICAN HOMES 5/18/83
 DRAWN BY S. HALE DWG# 062

NA

North American Homes

A DIVISION OF DESIGN HOMES, INC.

BUILDERS OF QUALITY MANUFACTURED HOMES

P. O. BOX 239

PRAIRIE DU CHIEN, WISCONSIN 53821

PHONE: (608) 326-6338

WASHER AND DRYER INSTALLATION

This home has been wired and plumbed for the installation of a washer and dryer. North American recommends that you follow the instructions below for safe and trouble free usage.

The plumbing has been supplied with a separate water shut-off for your hot and cold water supply. You will connect the hoses from your washer to these shut-offs. We suggest that you keep the shut-offs in the closed position when you are not using them for water supply. The waste water drain is complete and ready for usage. The pipe cap must be removed from the end of the drain pipe. The waste water hose coming from your washer will fit directly into the waste pipe. We suggest the hose be secured tightly to the waste pipe.

~ 220 V. - 30 A. ?

The electrical outlet for the dryer is for a⁴ four prong type supply. If you are moving your dryer from a home to a mobile home you may need to have a new power supply cord installed on your dryer. Mobile homes are required to have a four prong outlet so in no instances should you change the outlet we have installed to a three prong type. We have pre drilled a 4¹/₈" opening in your home floor decking. This hole is covered with a square piece of metal and it is fastened at each corner. The metal can be removed with most house hold tools. This hole will allow you to install a 4" dryer vent hose. We suggest you use a aluminum type duct. The remaining part of the venting should be done according to the dryers manufacture installation instructions.)

We caution all home owners that a dryer should be vented to the outside of your home. Never should a vent terminate underneath your home. A dryer vent cap should allways terminate on the side of your home extending past any skirting to the outside.

If you should have any questions concerning the installation of your washer or dryer you may contact our manufacturing facility.

APPROVED
PFS Corporation
HUD Mobile Home Construction
And Safety Standard
Date FEB 1 1983

NA

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section 25.

BOTTEM BOARD PATCHING

All penetrations through the bottem board, by any object, which will allow access by rodents, to the mobile home floor cavity or beyond. Shall be patched and or repaired in accordance with the bottem board manufacturers patching and repair instructions.

These instructions can be found in the construction section, item number 25, of the North American construction manual.

Any further information on the bottem board can be obtained through our supplier.

LaSalle Deitch Co.
725 Industrial Parkway
Elkhart, Indiana 46514

NOTE. These repairs shall also be performed to protect against infiltration or penetration by air or moisture.

