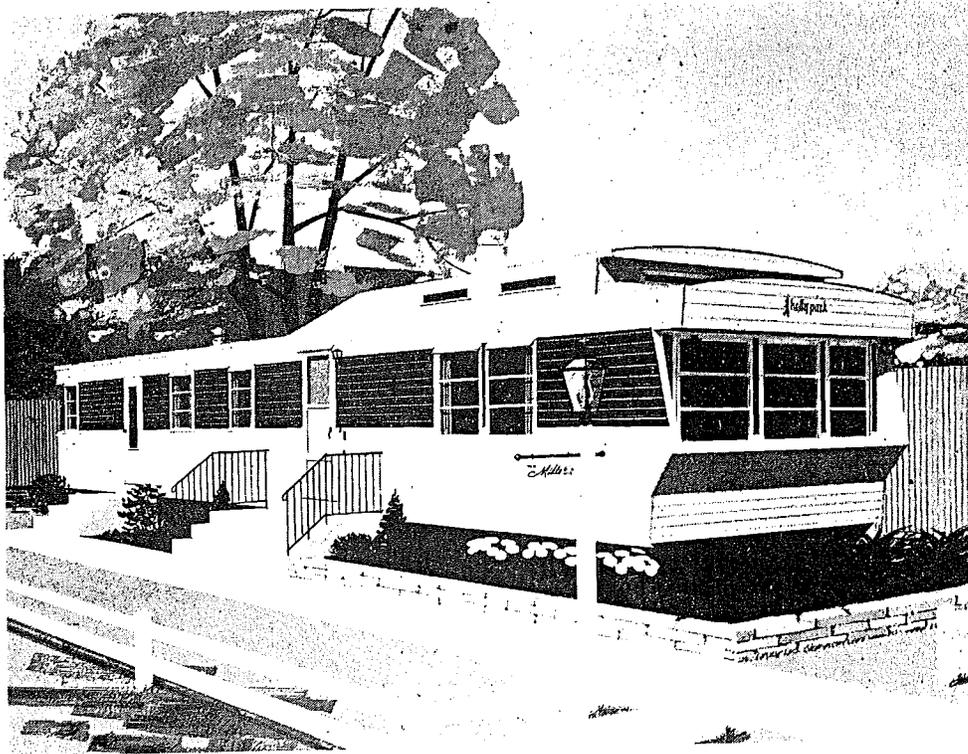


Rev 3-2-77

Holly park[®] HOMES

INSTALLATION INSTRUCTIONS



GERRING INDUSTRIES, INC.

SHIPSHEWANA, INDIANA 46565
BLUE EARTH, MINNESOTA 56013

**IMPORTANT: THESE INSTRUCTIONS SHOULD
BE KEPT WITH YOUR HOME FOR
FUTURE REFERENCE.**

USI

UNITED STATES COMPANY

SECTION 1

SUPPORT FOUNDATION SYSTEM REQUIREMENTS

GENERAL:

This section gives the information needed to properly select a support foundation which will provide the needed stability for your home. The first part of this section covers support foundation and footing requirements for vertical downward loads. The second part covers support foundation requirements for other loads (horizontal and up lift).

Your mobile home has been designed to meet the wind and roof load requirements for one of the zones listed below:

<u>Roof Load</u>	<u>Wind Load</u>
North Zone	
Middle Zone	1 - Standard Wind
South Zone	II - Hurrican Wind

The data plate located inside your home will indicate for which "Load Zone" your home was designed.

A. VERTICAL DOWNWARD LOADS

Individual support foundations (sometimes referred to as "piers" or "blocks") must be placed under each home to support the vertical downward loads.

Support System is illustrated in Figure 2a . uses individual support foundations spaced on 8' centers (maxium) under the chassis main beams.

The chart on the following page describes the method to be used to support your home. Consult this chart to select the proper method.

Table 1 gives the required vertical load-bearing capacity and footing area requirements for the particular support foundation system used. The support foundation footing must be set on firm soil. In northern climates where soil is subject to freezing and thawing it is recommended the footings extend below the frost line.

Individual footings support foundations must consist of one of the following! (Local regulations should be checked for other requirements.)

1. Pressure treated lumber not less than two inch nominal thickness.
2. Precast or poured in place concrete not less than 3½ in thickness.
3. Other material providing equivalent loadbearing capacity and resistance to decay.

Individual support foundations should not exceed 3' 0" in height unless lateral bracing is provided in two directions at right angles to each other. An individual support foundation base must have minimum dimension of not less than four-tenth of the height of the support foundation but in no case be less than 10 inch in least dimension. When more than one-fourth of the area of the mobile home is home is supported at a height of three feet or more above the ground the support structure must be of permanent type construction.

B. HORIZONTAL AND VERTICAL UPLIFT LOADS

Your Holly Park Mobile home is equipped with provisions to anchor it against horizontal and vertical uplift forces imposed by winds. You must provide an anchoring or "tiedown" system in order to properly install your home.

With this book, you will find the details of one anchoring system. While this system will do the job, it is not the only one available. Any system approved by the local authority having jurisdiction is acceptable provided that tie down, anchoring system and all components have a working strength of at least 3150 pounds and are capable of with standing a 50 percent overload without failure. The tie down which attaches the mobile home to the ground anchor must be installed at a minimum of 40° and a maximum of 50° to the vertical (see figure 3d).

SECTION 2

SET-UP PROCEDURE INSTRUCTION

PLEASE READ CAREFULLY

GENERAL

It is important that these instructions and precautions are adhered to closely if you are to enjoy the comfortable, safe and trouble free home that has been designed and built for you. The following three items apply to the set-up of all Holly Park homes (single wide homes-12' and 14' wide.) Each step should be checked off as it is completed. The mobile home set up crew should consist of a minimum of two experienced mobile home set-up men.

In following the below procedures for set-up it is recommended that your home be installed as close as possible to the ground as local codes permit, yet still providing a crawl-space of 18" recommended minimum for periodic inspecting. This may require that wheels and tires be removed and and that the ground in the axle hub and drum area be "dug-out" so the drums can be set lower.

- () 1. Select the proper support foundation and footing area from the information contained in Section 1 "Support Foundation System Requirement" by relating the information in Section 1 to the structural load zone for which your home was designed for and will be set up within.
- () 2. If the support foundation, footing, or tie down types selected cannot be installed when the mobile home is in its final position, these portions of the support foundation system must be installed before the mobile home is positioned in its final desired location. For example, ground anchors required for a tie down system normally must be installed before the mobile home is placed in its final position.
- () 3. Upon delivery of your new mobile home, and before placing in its final position, you should inspect both interior and exterior for any possible shipment damage. Any damage should immediately be reported to your Holly Park dealer.

12" and 14" SINGLE WIDE SET-UP PROCEDURES

- () 1. Position your home in its proper final location.
- () 2. Using the screw type jack at the hitch "rough" level the home. This is only a "rough" level and not the "final" level
- () 3. Placing the individual support foundations under the home in the correct sequence is very important and should be done as follows:

Place the first lifting jack under the chassis' main beam, just forward of the front spring shackle. Locate the lifting jack so that a support foundation can be placed next to the front spring shackle.

- () 4. Position a second lifting jack under the same chassis main beam just behind the rear spring shackle.
- () 5. Using both jacks uniformly, lift one side of the home and place a support foundation (using appropriate footing as referenced in Section 1) next to the front spring shackle.
- () 6. Place a second support foundation within 8 feet of the first or, if necessary, immediately behind the rear spring shackle. On three or four axles units where these two support foundations could be further than 8 feet apart, place a third support foundation between axles spaced evenly as possible between the first two support foundations.
- () 7. Place one additional support foundation towards each end of the chassis' main beam within 2' of the extreme end of the home.
- () 8. Lift the opposite sidemain beam as outlined above and "rough" level by placing support foundations directly opposite those placed on the first side.
- () 9. Complete the "rough" leveling from front to rear and side to side by adjusting the support foundations as required.
- () 10. Evenly space intermediate support foundation under the main beams so that the home is supported as required in Method "A" or "B" as applicable (See Section 1, "Vertical Downward Loads").
- () 11. Additional support foundations are desirable under chassis' main beams or floor joists where extra heavy furniture or appliances are located.

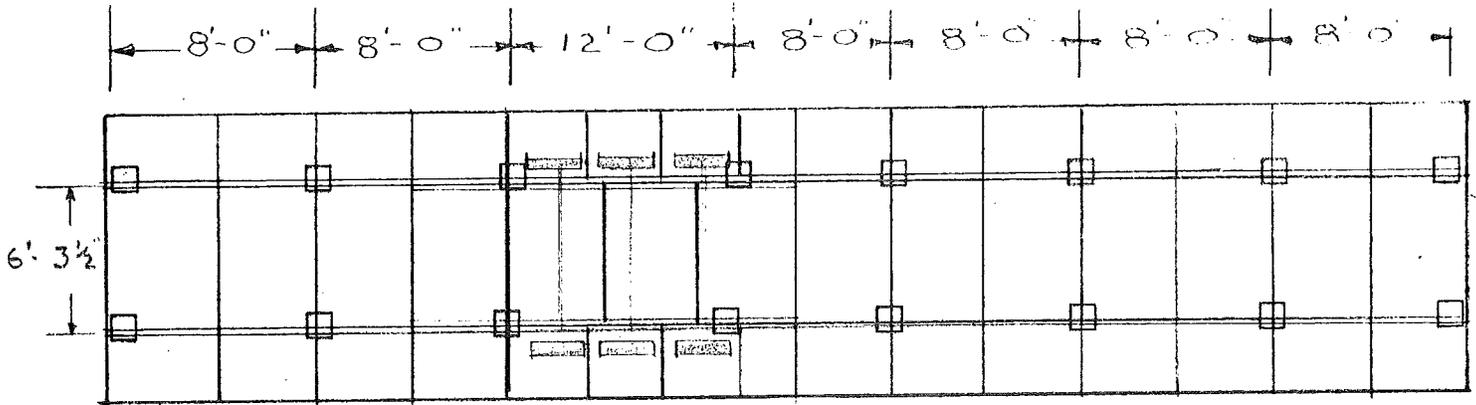
REQUIRED SUPPORT FOUNDATION VERTICAL LOAD BEARING CAPACITY AND FOOTING AREA

	SOUTH ZONE		MIDDLE ZONE		NORTH ZONE		
	12'	14'	12'	14'	12'	14'	
MOBILE HOME WIDTH	12'	14'	12'	14'	12'	14'	
REQUIRED VERTICAL LOAD BEARING CAPACITY OF INDIVIDUAL SUPPORT FOUNDATION (POUNDS)	STD 8'-0" O.C.	3872	4464	4352	5024 #	4832	5584
	AXLE AREA 12'-0" MAX	5808	6696	6528	7536 #	7248	8376
REQUIRED FOOTING FOR INDIVIDUAL SUPPORT FOUNDATION (SQUARE INCHES)	STD 8'-0" O.C.	279	321	313	362 #	348	402
	AXLE AREA 12'-0" MAX	418	482	470	542 #	522	603
SOLAR RM 6'-0" MAX (sq. in)	A&B 254 #	254 #	A&B 254 #	254 #	A&B 254 #	254 #	254 #
SPACE MATE 7'-0" MAX	A PIER	2206 #	159 #	2451 #	177 #	2696 #	194 #
	B-PIERS	2206 #	159 #	2451 #	177 #	2696 #	194 #
SPACE MATE 7'-0" MAX	B-PIERS	5248 #	378 #	6388 #	460 #	7528 #	542 #
	B-PIERS	5248 #	378 #	6388 #	460 #	7528 #	542 #

NOTES: 1 USE THESE VALUES FOR 12' & 14' SPACE MATES
 2 USE THESE VALUES FOR 24' SPACE MATES

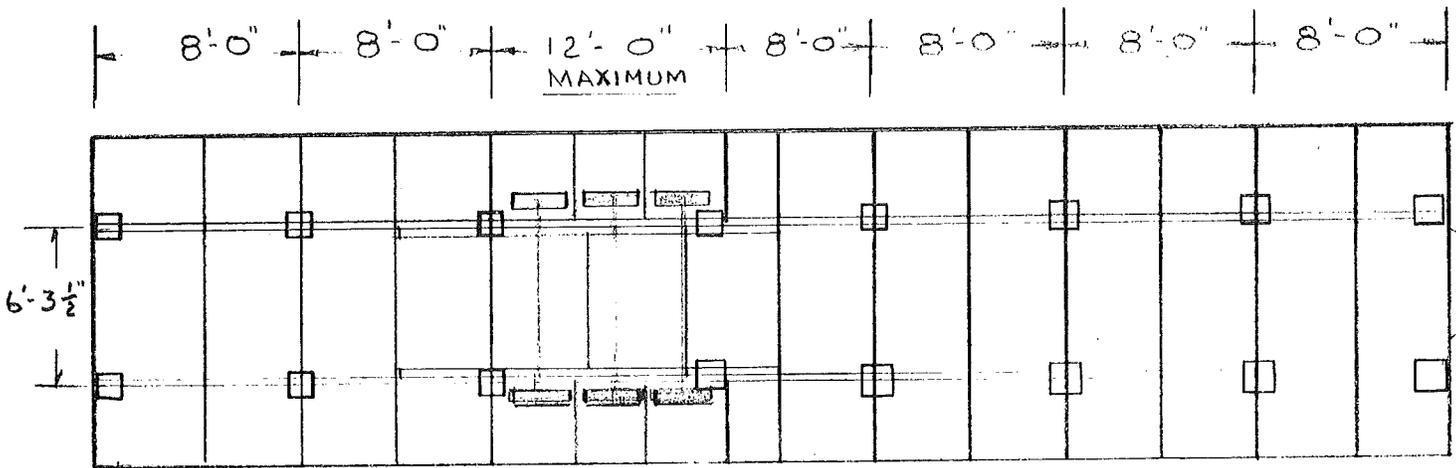
THE AREAS SHOWN HERE ARE BASED ON A SOIL BEARING CAPACITY OF 2000 P.S.F.

- () 12. Make a "final" level adjustment of the home using a standard bubble level or a monometer type level working from front to rear and side to side to obtain "final" level conditions throughout the home. Each individual support foundation should be "snug" in contact with the home.
- () 13. The tie down systems must be connected as discussed in Section 1, Part B, of these instructions and in accordance with the instructions of the tie down and anchor manufacturer.
- () 14. If individual support foundations and footings are installed as required by these instructions, no settlement should be experienced. In the event of a slight settlement any time after initial installation, releveling can be accomplished by following the procedures detailed above for "final leveling".
- () 15. Install all light shades and light fixtures as needed.
- () 16. Connect and test utility systems (electrical, water, drain lines and gas lines as applicable) as detailed in Section 3 "Utility Systems, Connections and Testing".
- () 17. Check the entire home for the following:
 - a. Passage Doors (should close easily with proper alignment).
 - b. Cabinet Doors (proper alignment).
 - c. Drawers (should open and close easily).
 - d. Closet Doors (proper alignment and square with walls.)
 - e. Exterior Doors (should close easily and square with frame. Should lock and unlock easily).
 - f. All windows (should open and shut easily).
 - g. Drapes (should operate easily and completely close.)
- () 18. Conduct final clean up operation in the home. Your home is now ready for occupancy.



PIER SPACING: 8' OC
 AT AXLE AREA 12 O.C.

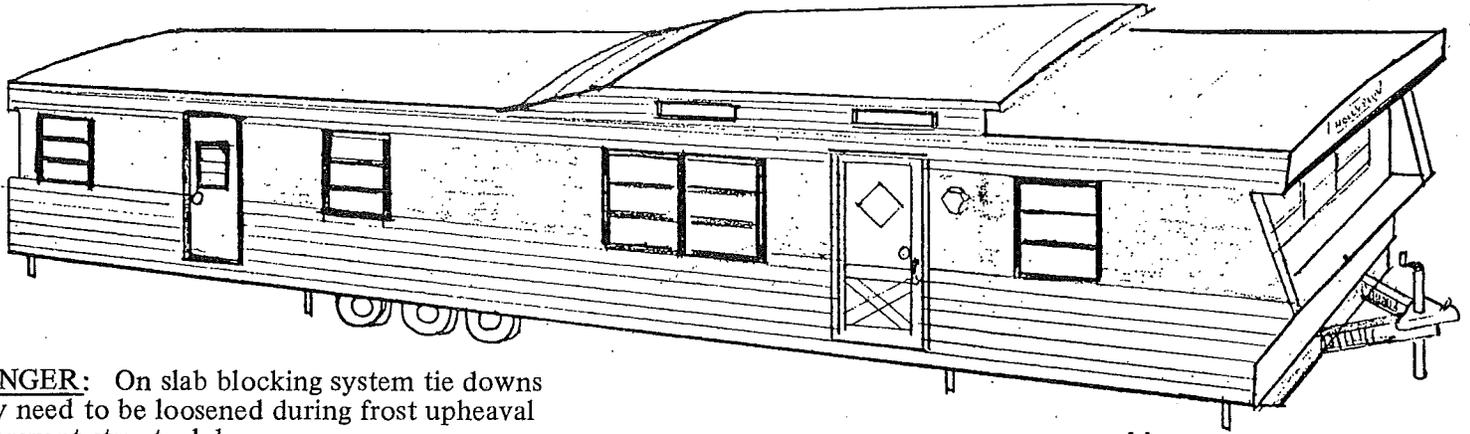
TYPICAL SUPPORT FOUNDATION
 12 WIDE UNIT



PIER SPACING 8' O.C.
 AT AXLE AREA 12' MAXIMUM

TYPICAL SUPPORT FOUNDATION
 14 WIDE UNIT

MOBILE ANCHORING



DANGER: On slab blocking system tie downs may need to be loosened during frost upheaval to prevent structural damage.

STANDARD UNIT DIMENSIONS

75' unit	Actual Length of Floor	71' - 6"
72' unit	Actual Length of Floor	68' - 6"
70' unit	Actual Length of Floor	66' - 6"
68' unit	Actual Length of Floor	64' - 6"
65' unit	Actual Length of Floor	61' - 6"
62' unit	Actual Length of Floor	58' - 6"
60' unit	Actual Length of Floor	56' - 6"

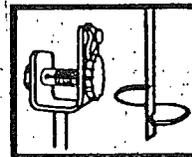
Actual Width

- 12 Wide 11' - 9"
- 14 Wide 13' - 9"

2 - 3/4 x 10" or 12" Junior I-Beam Spaced 75 - 1/2 Center to Center.

Standard Blocking

8' Centers under each I-Beam not more than 2' from ends.



Ratchet head anchor, easy winding, self-locking, 8" dia. auger on 48" solid steel shaft.

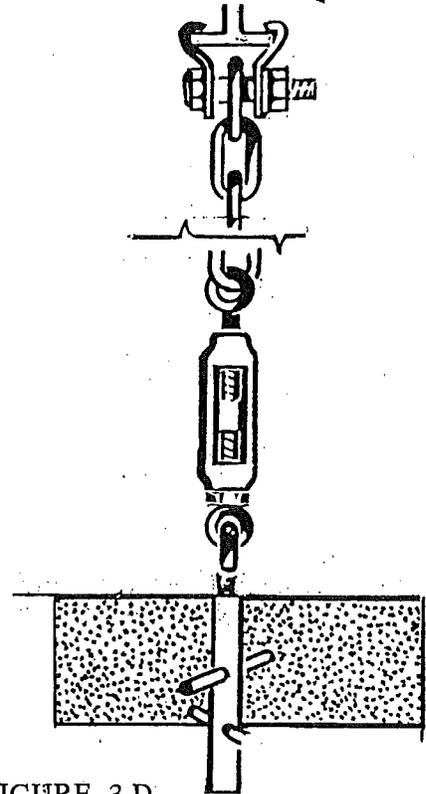
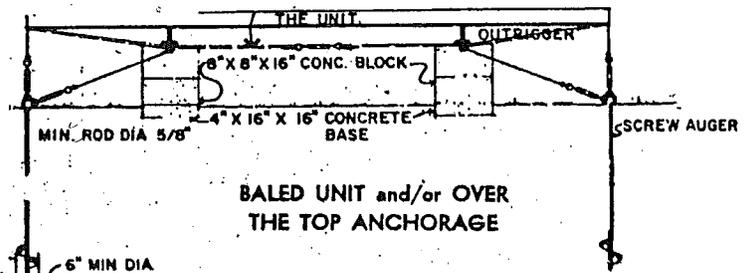


FIGURE 3-D

TIE DOWNS ON ALL 12 AND 14 WIDE HOMES

- over the roof tie downs 60' - 70' units
- over the roof tie downs 72' - 75' units
- FIRST STRAP PLACED AT 8" FROM FRONT
- REAR STRAP PLACED AT 10" FROM REAR

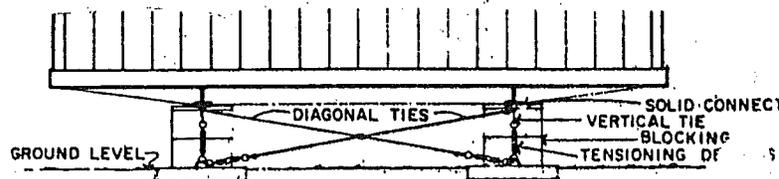
THE REMAINING STRAPS WILL VARY DEPENDING ON MODEL AND WINDOW LOCATION
 STEEL STRAPS ARE CORROSION RESISTANT: 035 x 1-1/4"
 ANCHORING EQUIPMENT MUST EXCEED 3150 lb. WORKING LOAD.



HURRICANE ZONE

Six additional tie downs are required to frame between over the roof ties.

As codes and insurance regulations are being revised in many areas we recommend that you check with local authorities and your insurance representative for on site anchoring equipment on your unit.



SEE FOLLOWING PAGES FOR CERTIFIED SYSTEM



Minute Man anchors®

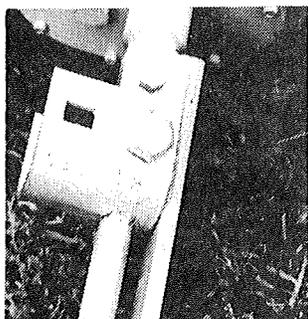


INSTALLATION

There are two basic methods of installing anchors, each equally effective in properly securing mobile homes to the ground.

Machine Installation

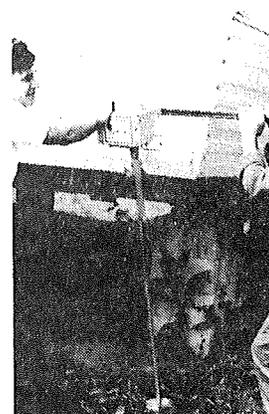
In this method, the anchor is turned the **full depth** of four feet into the ground by an anchor drive machine.



1. With double head anchors, use bolt hole in line with anchor shaft.



2. Auger is placed in proper position in line with strap, and machine started.



3. Anchor should be installed at a slight angle as shown to assure head being positioned behind future skirting.

Installation with Manual or Mechanical Post Hole Digger

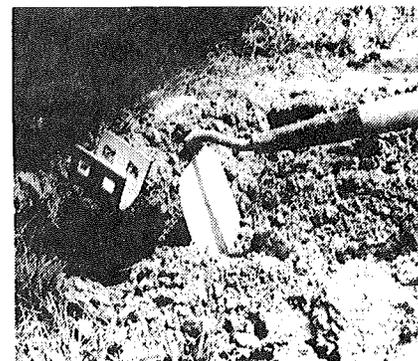
In this method, anchors can be installed with equipment available to the average home owner.



1. A hole is dug to a depth of approximately two feet in the proper position as explained under machine installation.



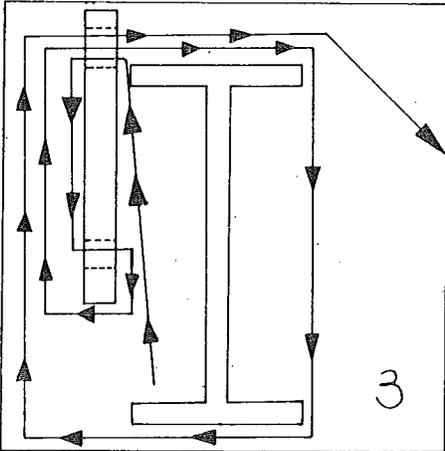
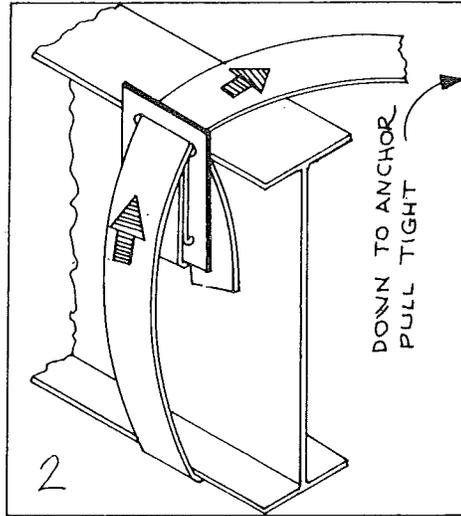
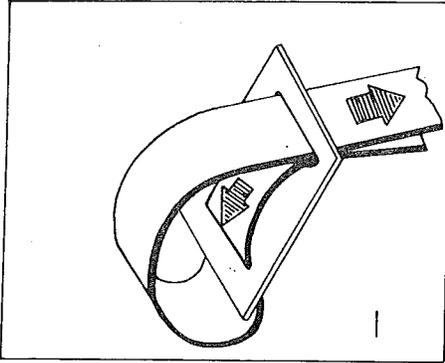
2. After the hole is dug to 24" depth, the anchor is turned into the ground by hand, using a rod or length of pipe for leverage.



3. After anchor is installed to **full depth**, earth is repacked, six inches at a time.

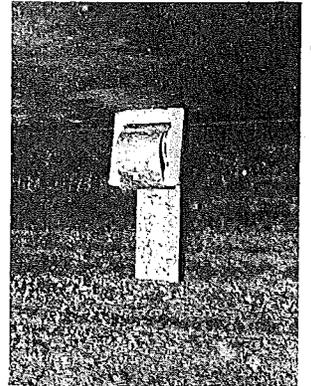
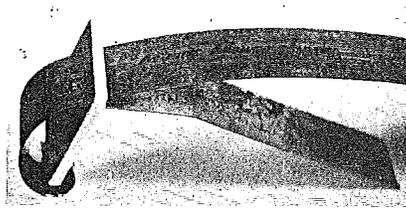
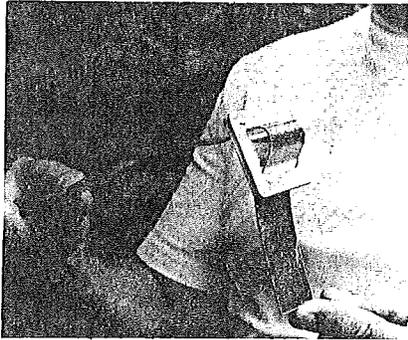
POSITIONING FRAME TIE

FRAME TIE INSTALLATION INSTRUCTIONS



1. Thread 7' length of frame tie strap through buckle as shown.
2. Next, thread long end of strap between frame and floor of home. Bring strap through buckle as shown in diagram and fasten to anchor head.
3. Diagram showing strap in position around frame and through buckle. It is important to remove all slack from system.

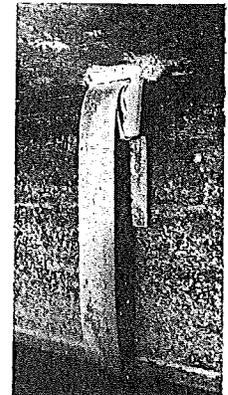
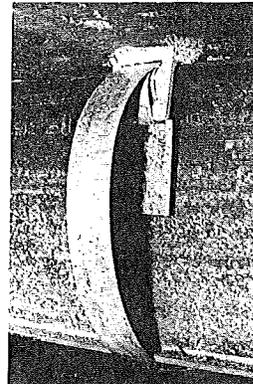
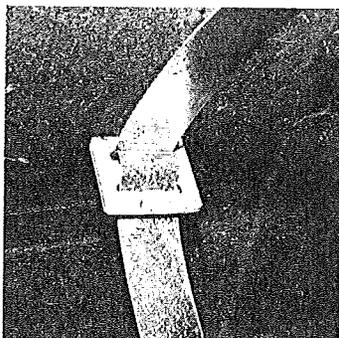
1. See step one in installation instructions.



2. Insert strap in position through buckle.

3. Strap should be through buckle in this configuration before installation on frame.

4. Strap should be passed over frame from inside, and buckle pulled into position as shown.



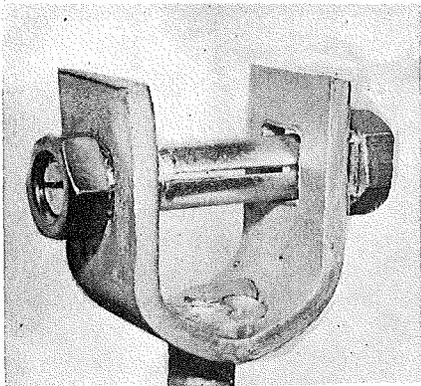
5. Strap should encircle frame and pass through buckle for the second time and over the frame.

6. Strap is pulled tight from outside, or anchor side, of frame.

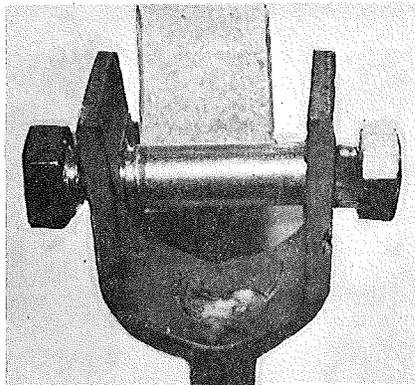
7. Inside of frame tie, properly installed.

PROPER TENSIONING OF STRAP TO ANCHOR HEAD 13.

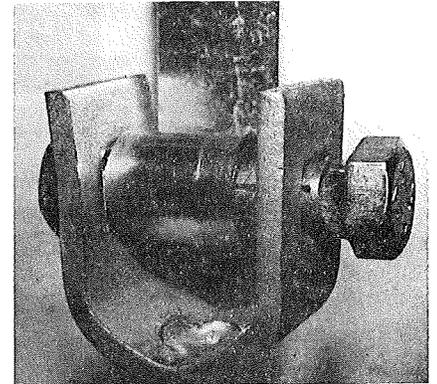
Note: The tensioning bolt can be inserted in the head from either side.



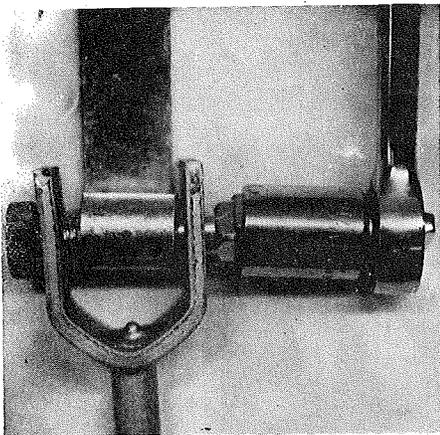
1. Insert bolt into head; attach nut loosely.



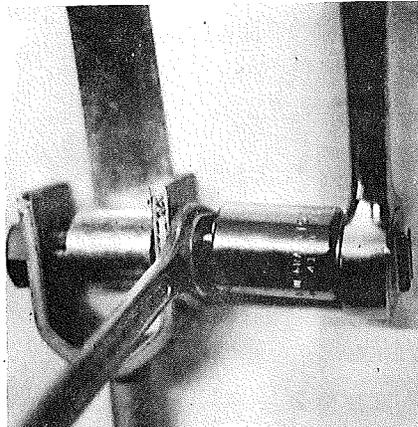
2. Insert strap in slot of bolt 5/8", or until strap is flush with far side of bolt.



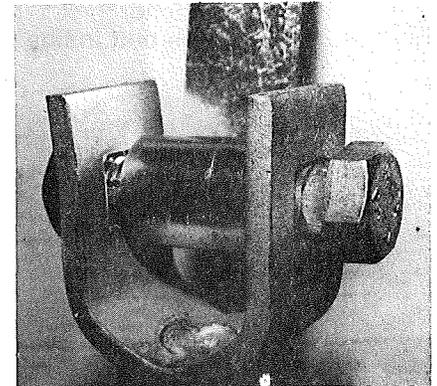
3. Bend strap 90° and take at least four complete turns on bolt until strap is taut.



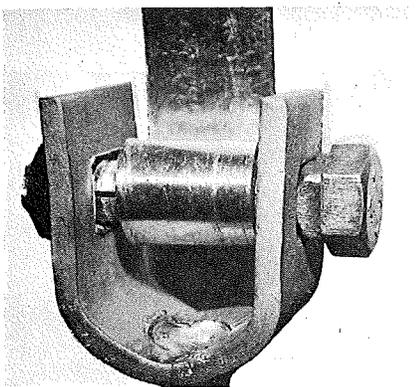
4. Bolt is turned with 15/16" socket wrench, or adjustable wrench, on hex head.



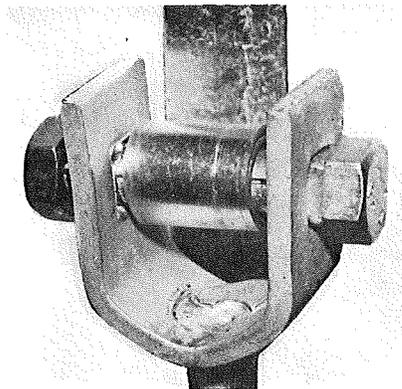
5. To hold bolt under tension while re-positioning wrench, an open-end wrench is placed on 5/8" square shoulders of bolt.



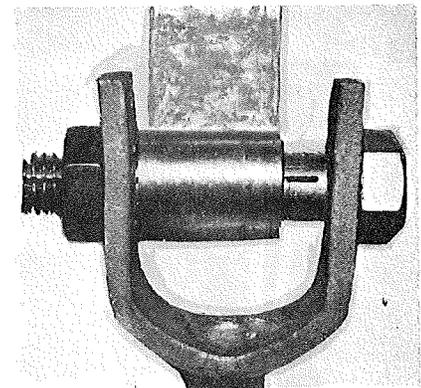
6. Align square shoulders of bolt with square hole in anchor head.



7. Holding hex head of bolt in position, tighten nut to draw square shoulders into square hole.



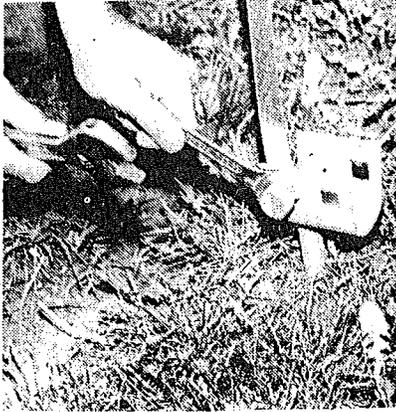
8. Shoulders are now in locking position; continue to tighten nut.



9. Tensioning device is now in locked, secure position.

For clarity, tools not shown on most photos above.

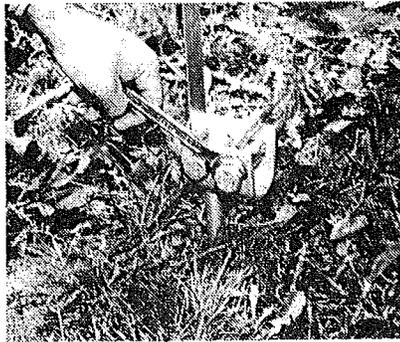
ATTACHMENT OF STRAP TO ANCHOR



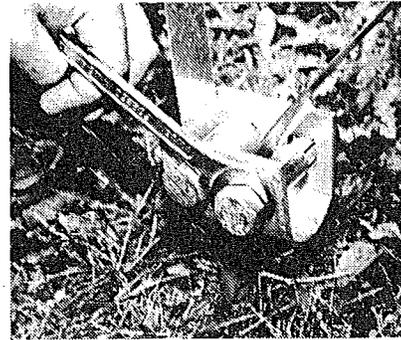
1. When using a double head anchor, always attach the vertical or over-the-roof strap to the anchor first. This must be in the bolt in line with the shaft.



2. Tension strap as shown on next page.



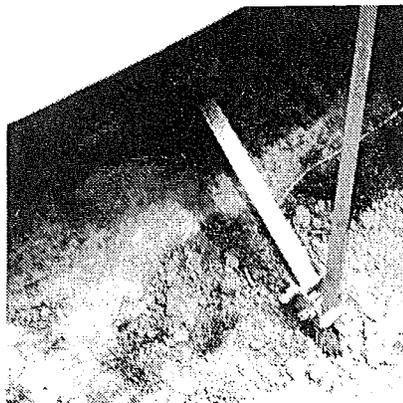
3. Attach frame tie to second bolt.



4. Tension as with vertical tie.



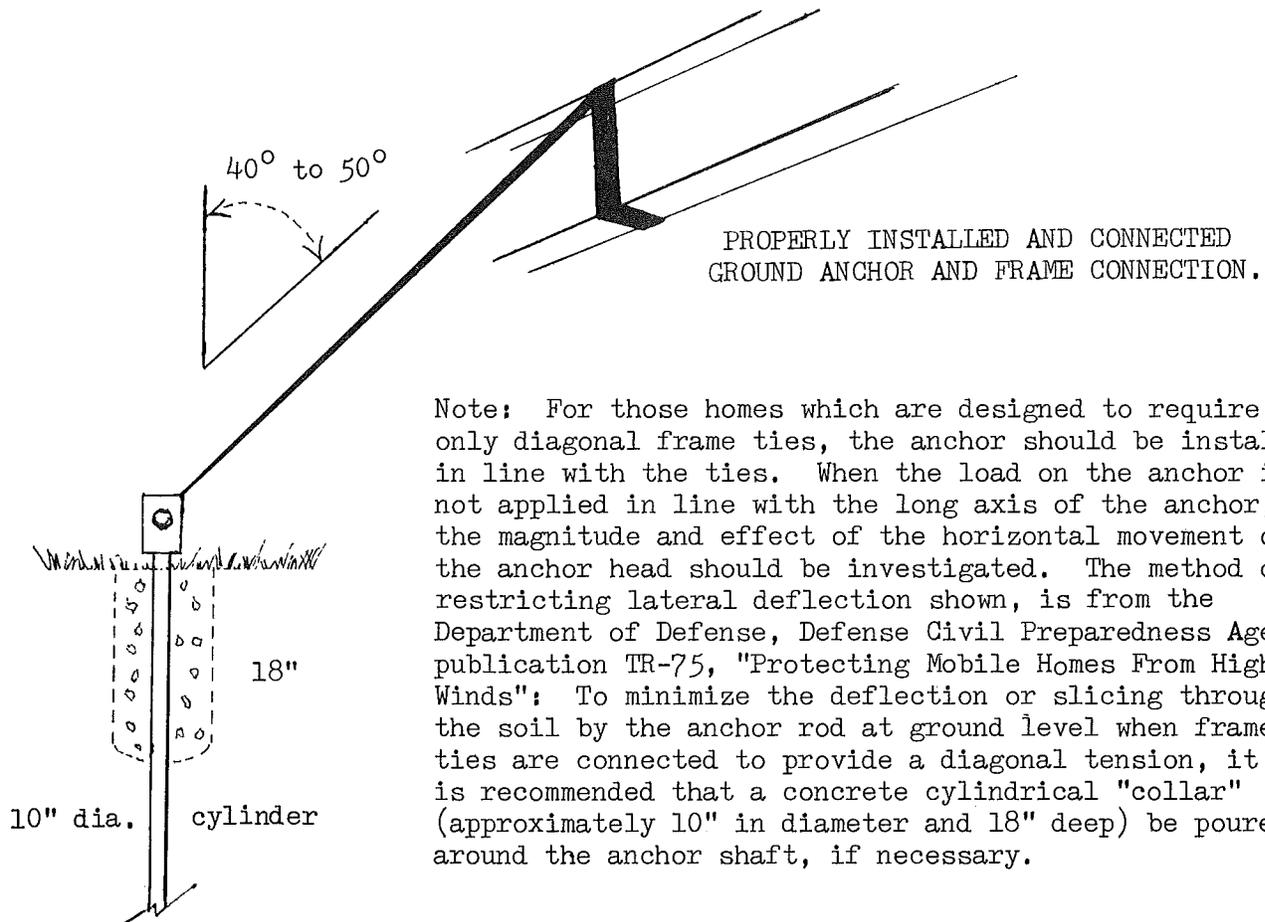
5. Properly installed vertical and diagonal tie.



6. Another view of double head anchor.



7. Anchors with frame ties may deflect laterally without weakening system.



TYPES OF SOIL

Many anchors are designed for particular soil conditions and are unacceptable for use in other type soils. We have therefore, listed the soils for which each anchor is designed and approved. Soil classifications are taken from the "STANDARD FOR THE INSTALLATION OF MOBILE HOMES" NFPA 501A 1975/ANSI A119.3 1976.

1. Sound hard rock.
2. Very-dense and/or cemented sands, coarse gravel and cobbles, preloaded silts, clays, and corals.
3. Medium-dense coarse sands, sandy gravels, very-stiff silts and clays.
4. Loose to medium dense sands, firm to stiff clays and silts, aluvian fill.

NOTE: All Minute Man Anchors tensioning devices are certified and tested to 7,100 pounds (3,220kg).

MATHESON, HINTZ & ASSOCIATES, INC.

CONSULTING ENGINEERS AND LAND SURVEYORS

ASHEVILLE AIRPORT ROAD

FLETCHER, N. C. 28732

JOE K. MATHESON, JR., P. E.
WILLARD A. HINTZ, R. L. S.
HARRY E. BYAS, JR., P. E., R. L. S.
H. C. ABERNETHY, P. E.

PHONES: CODE 704
ASHEVILLE 253-8692
ARDEN 684-7417

April 23, 1976

Mr. C. Denson Hutchinson
Minute Man Anchors, Inc.
305 W. Walker Street
East Flat Rock, North Carolina 28726

Dear Mr. Hutchinson:

I have analysed design drawings and physical testing reports for those Minute Man Anchors listed in the tabulation attached. My analysis and the physical test reports define the breaking strength of each of these anchors and their components to be in excess of 5,000 pounds. The strapping meets Federal Specification QQ-S-781H for Type I, Class B, Grade 1 strapping. The strapping is 1 1/4 x .035 hot dip galvanized steel

On file are testing reports of the direct withdrawal strength of these anchors. These tests evaluate the anchorage strength of Minute Man Anchors installed resisting an axially applied withdrawal load. For the anchors listed on the attached sheet the ultimate holding power is not less than 4,725 pounds when installed in accordance with manufacturer instructions in the soil types indicated in the 'table'. If these anchors are to be installed vertically to resist other than direct withdrawal loads the magnitude and effect of horizontal movement of the anchor head should be investigated.

Very truly yours,

MATHESON, HINTZ & ASSOCIATES, INC.

H. C. Abernethy
H. C. Abernethy, P. E.

Attachment

HCA:ps

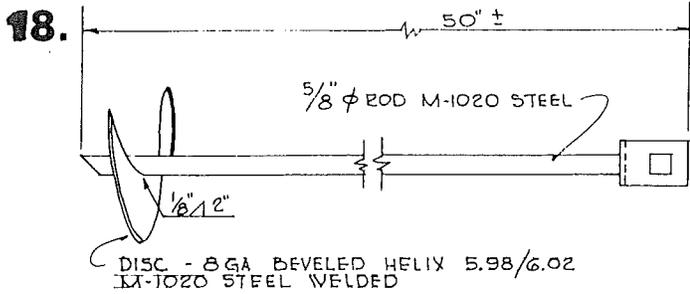


LIST OF CERTIFIED MINUTE MAN ANCHORS WITH A MINIMUM HOLDING POWER OF 4,725 POUNDS (2143 kg).

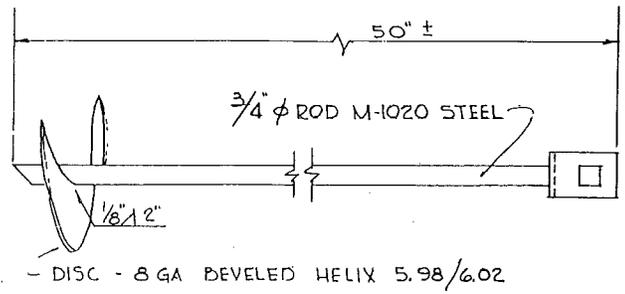
1. Sound hard rock.
2. Very-dense and/or cemented sands, coarse gravel and cobbles, pre-loaded silts, clays, and corals. (Probe torque value range - greater than 550 inch pounds)
3. Medium-dense coarse sands, sandy gravels, very-stiff silts and clays. (Probe torque value range - 350 - 550 inch pounds)
4. Loose to medium dense sands, firm to stiff clays add silts, aluvian fill. (Probe torque value range - 200 - 349 inch pounds)

<u>MARK</u>	<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USE IN SOIL TYPE *</u>
MMA-1	650-S	Single Head, Earth Auger Anchor 5/8" shaft.	2,3,4
MMA-2	650-DH-S	Double Head, Earth Auger Anchor 5/8" shaft.	2,3,4
MMA-3	650-H-S	Single Head, Earth Auger Anchor 3/4" shaft.	2,3,4
MMA-4	650-H-DH-S	Double Head, Earth Auger Anchor 3/4" shaft.	2,3,4
MMA-5	4436-S	Single Head, Double Disk, Earth Auger Anchor 5/8" shaft.	2
MMA-6	4436-DH-S	Double Head, Double Disk, Earth Auger Anchor 5/8" shaft	2
MMA-7	48-X-S	Single Head Drive Anchor	2
MMA-8	48-X-DH-S	Double Head Drive Anchor	2
MMA-9	36-S	Single Head Coral Anchor	CORAL
MMA-10	36-DH-S	Double Head Coral Anchor	CORAL
MMA-11	210-S	Single Head Tension Device for Slab	SLAB
MMA-12	210-DH-S	Double Head Tension Device for Slab	SLAB
MMA-13	210-P-S	Single Head Tension Device for Concrete	SLAB
MMA-14	210-P-DH-S	Double Head Tension Device for Concrete	SLAB
MMA-15	30-ER-S	Single Head Expand Rock Anchor	1
MMA-16	30-ER-DH-S	Double Head Expand Rock Anchor	1
MMA-17	TH-S	Single Tension Head	SLAB
MMA-18	TH-DH-S	Double Tension Head	SLAB
MMA-21	100-S	Single Head Tension Device Adapter	CONNECT
MMA-22	100-DH-S	Double Head Tension Device Adapter	CONNECT

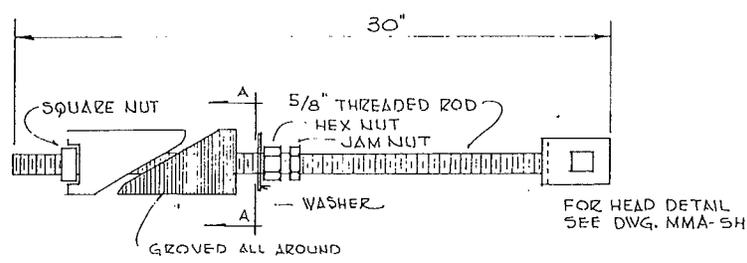
* NOTE: Many anchors are designed for particular soil conditions and are unacceptable for use in other type soils. We have therefore, listed the soils for which each anchor is designed and approved.



650-S

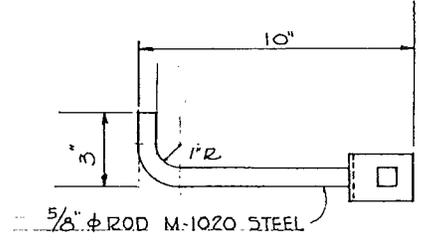


650H-S

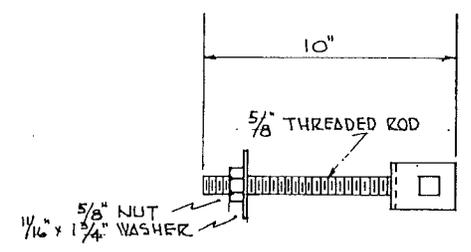
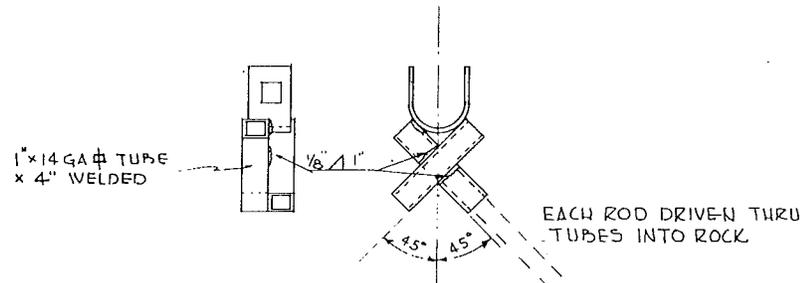
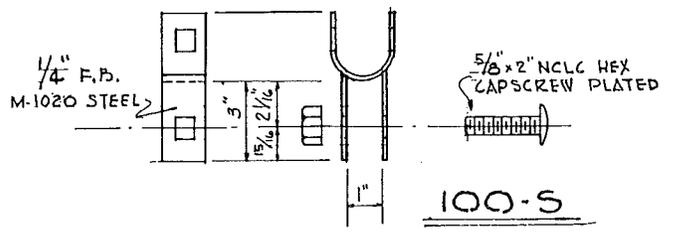
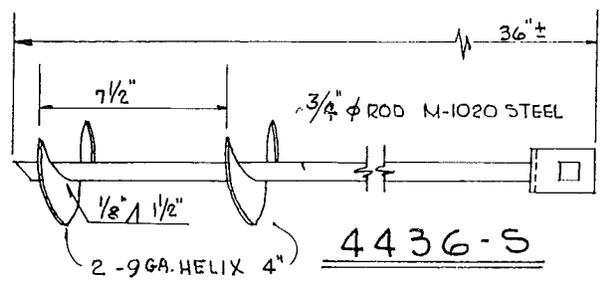
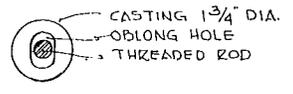


CASTINGS 25,000 PSI
SEMI-STEEL 1 3/4" x 5"
ALL STEEL USED IN ANCHOR ASSEMBLY
CONFORMS TO ASTM A-36

30-ER-S

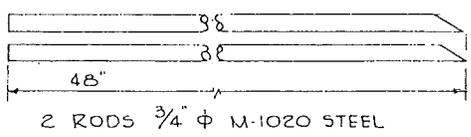


210-P-S



210-S

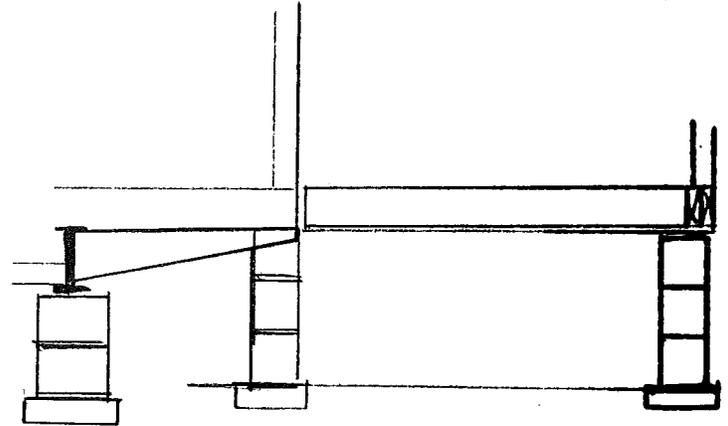
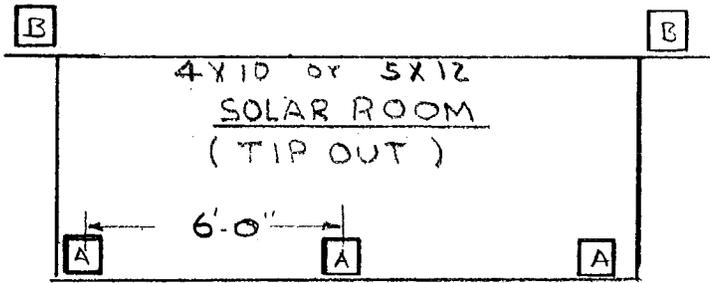
ALL STEEL USED IN ANCHOR ASSEMBLY
CONFORMS TO A.S.T.M. A-36



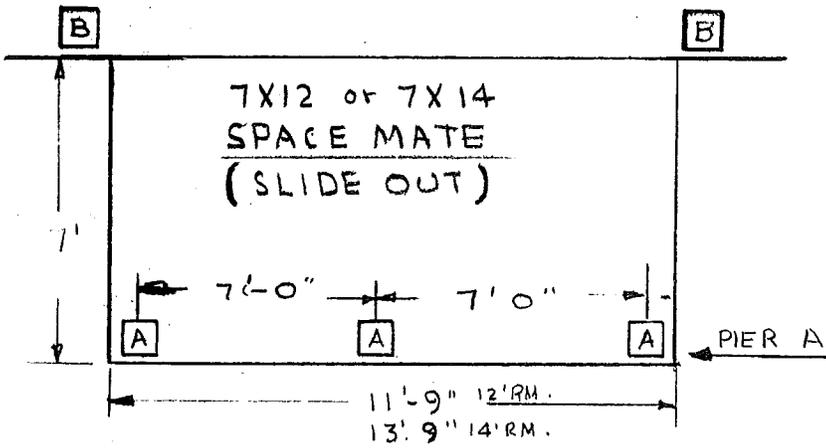
48X-S

ALL ANCHORS & ADAPTERS ALSO
AVAILABLE WITH DOUBLE HEADS

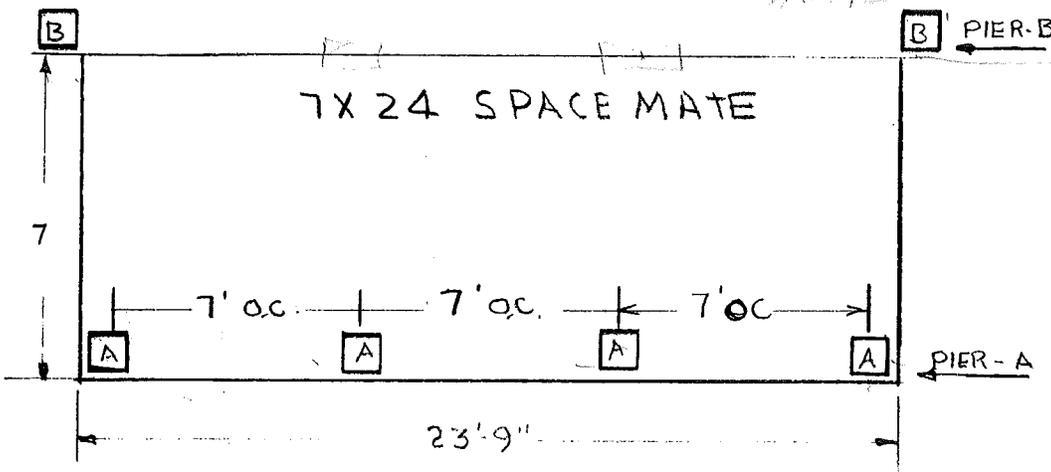
BLOCKING SPACE MATES, SOLAR ROOMS



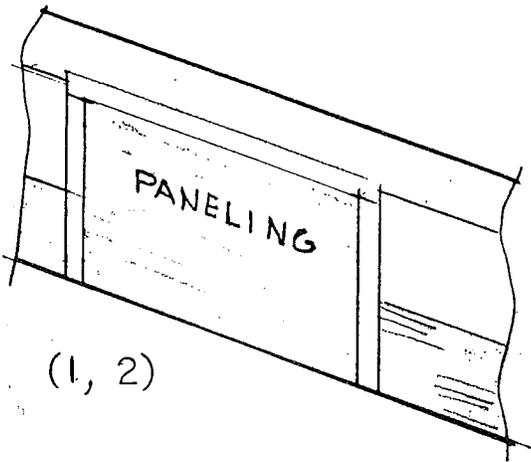
TYPICAL BLOCKING



HOME



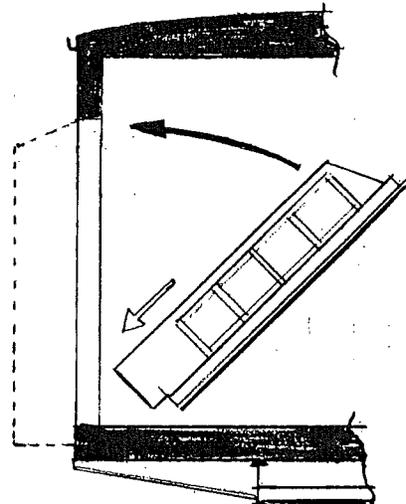
INSTALLATION BAY WINDOW



(1, 2)

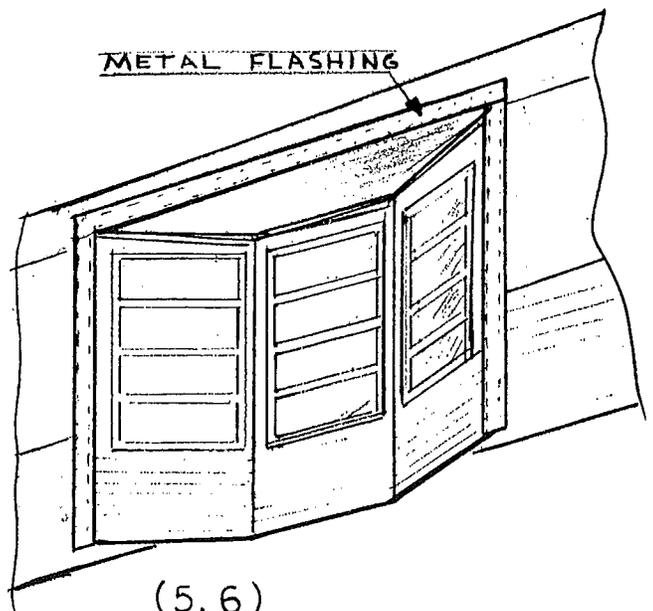
- (1) Home to be Blocked Level.
- (2) Paneling And Tape Removed Which Protected Opening in Transit.

- (3) Bay Window Unit is Shipped on Floor, is Lifted by Several Men to Opening. Floor is to be Dropped in Opening First While Bay Unit is At an Angle, Then Upper End is Tipped in Opening.
- (4) Bay Window Unit is Fastened With 3" - #8 Screws Around Face Trim Top & Sides and Outside Under Floor 2 X 2 to Coach 2 X 6.



(3, 4)

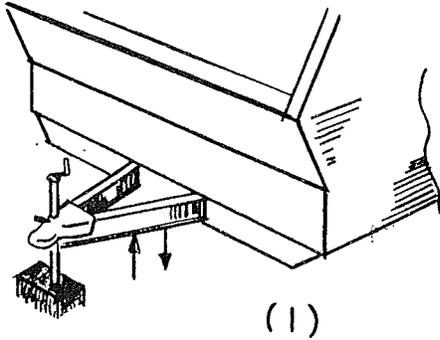
- (5) Carpet Installed and Base and Corner Trim.
- (6) Install Caulked Metal Flashing With 3/4" Screws at Close Intervals to Protect Against Environment.



(5, 6)

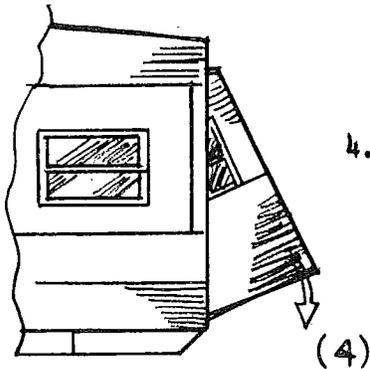
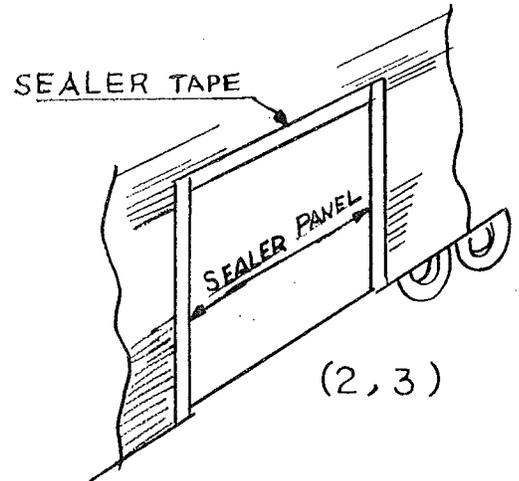
DIRECTIONS

STEPS FOR ERECTION OF SOLAROOM



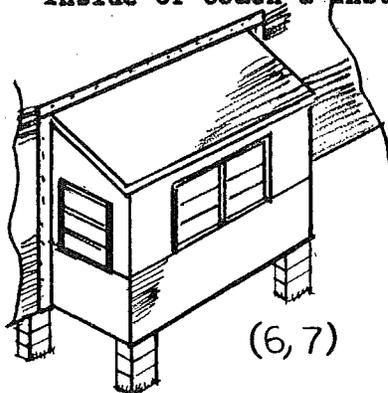
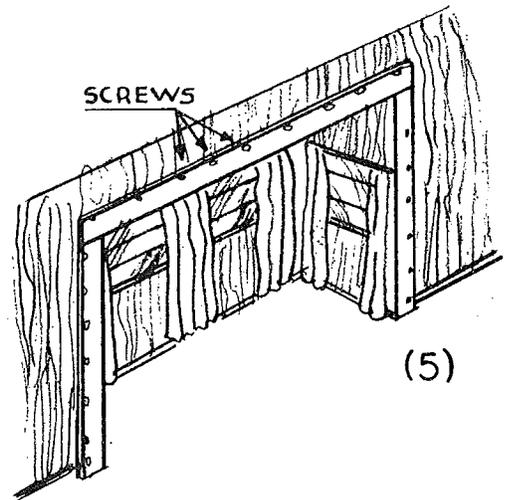
1. Level Coach With A-Frame Jack And Block Entire Unit

2. Remove Sealer Tape From Exterior Of Room
3. Remove Sealer Panel From Room Opening



4. Tip Room Out (Preferably With Two Men Inside Of Coach And Two Men Outside)

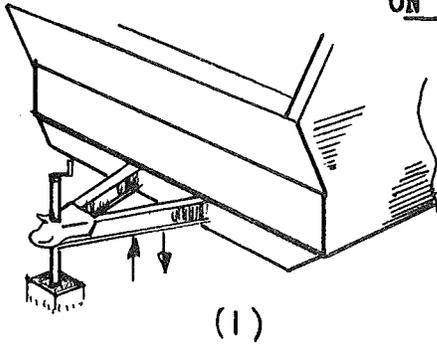
5. Run Screws Every 6" In Trim Board On Inside Of Coach & Install Corner Trim Over Screws.



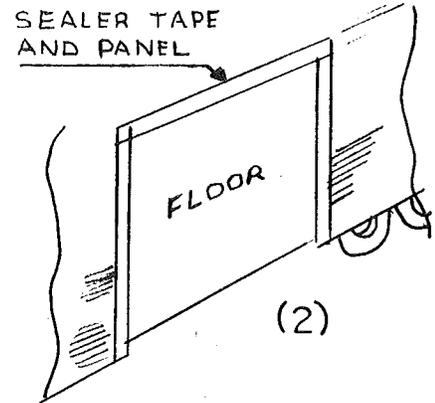
6. Install Exterior Metal Sealer Strips
7. We Demand Solaroom Be Blocked Adequately

DIRECTIONS

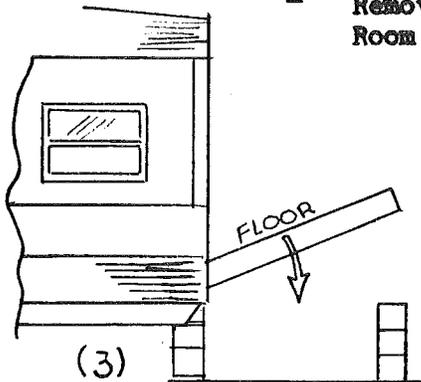
ON ERECTION OF SPACEMATE 7 X 12 or 7 X 14



1. Level Coach with A-Frame Jack at Front of Coach and Block Entire Home.



2. Remove TAPE & Plywood from Room Opening.

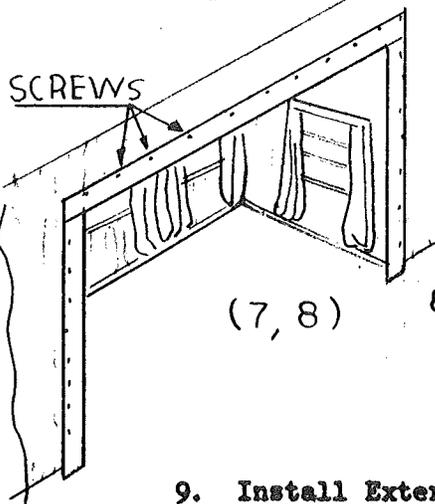
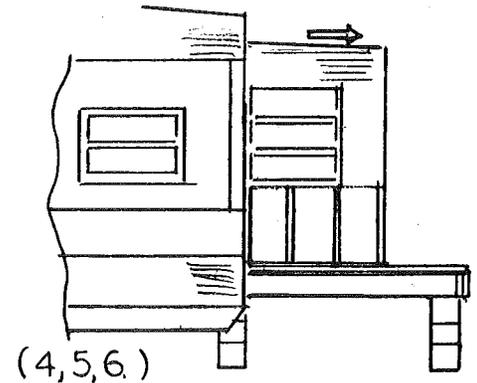


3. Tip Floor Out on Blocks and Level.

4. Slide Room Out on V Groove Rail on Floor until even with floor.

5. 3/8" x 9" Carriage Bolts to secure Wall to Floor in Pre-Drilled Holes

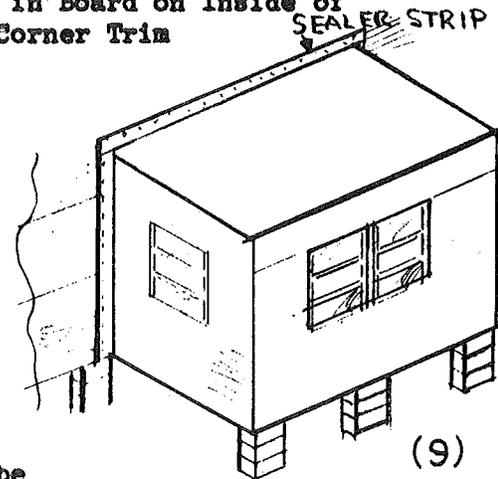
6. Electrical Wire From Spacemate Protected in Greenfield to Connect to Recept Through Pre-Drilled Hole in Unit.



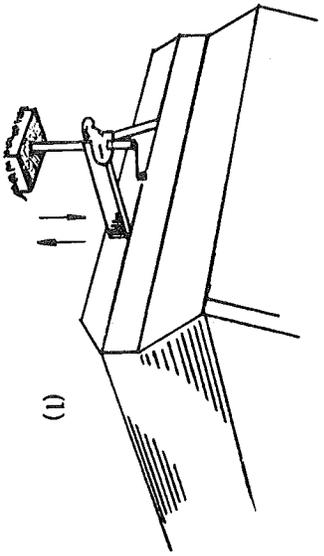
7. Run Screws Every 6" in Board on Inside of Coach, and Install Corner Trim Over Screws.

8. Install Interior Trim, Corner Trim, and Base Board.

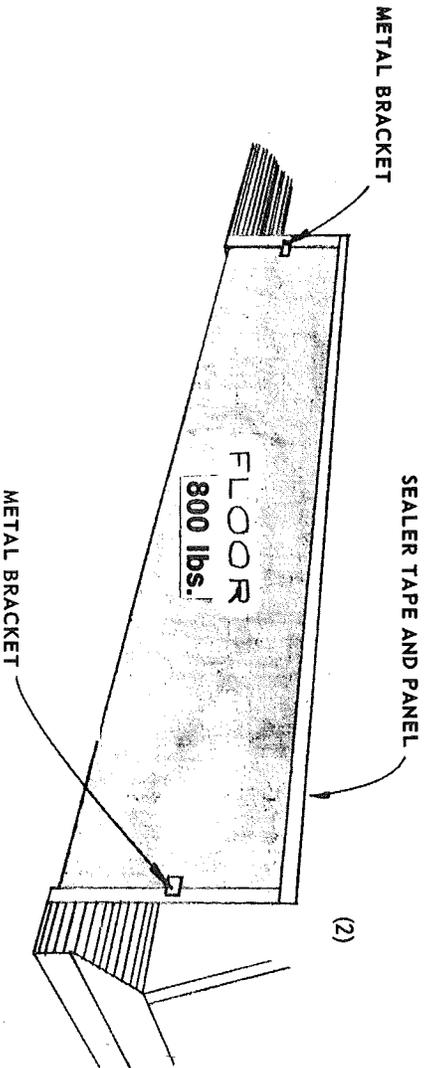
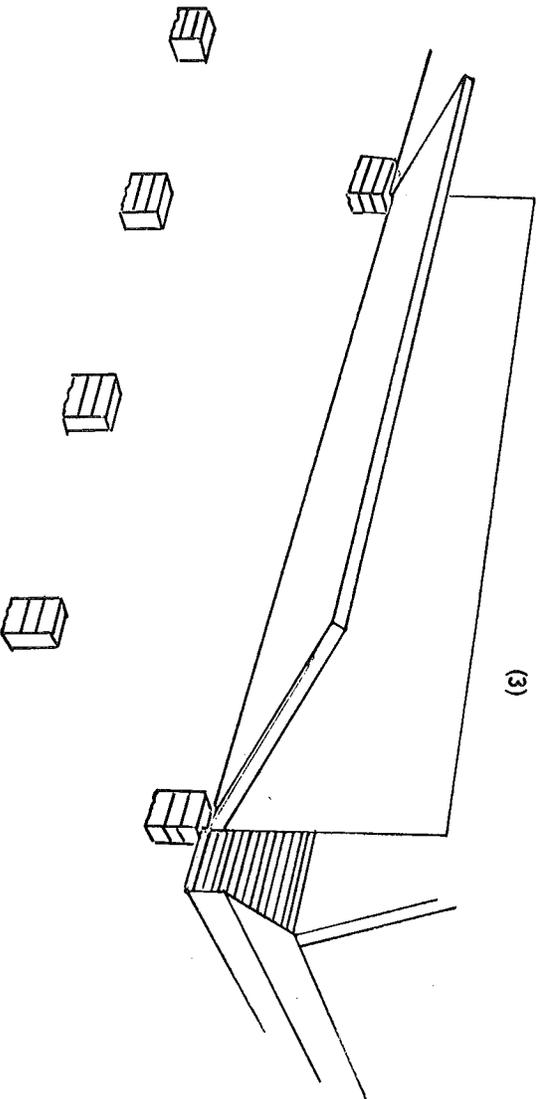
9. Install Exterior Lower Metal and Caulked Metal Flashing With 3/4" Screws at Each Edge at Close Intervals and Tie Down Straps at Each Corner to be Secured to Anchor.



24' SPACEMATE SET-UP INSTRUCTIONS



(1). Level coach with A-frame jack at front of coach. (use leveling instructions)



(2). Remove TAPE, PLYWOOD, and METAL BRACKETS from room opening.

(3). Before setting floor down, check to see that rubber sealer-strip is fastened along bottom of floor. (to prevent heat loss). Then tip floor out on pre-placed blocks and level.

Extreme caution shall be taken, on lowering floor as it weighs approximately 800 lbs. It is recommended a hoist or cable jack be used in lowering floor.

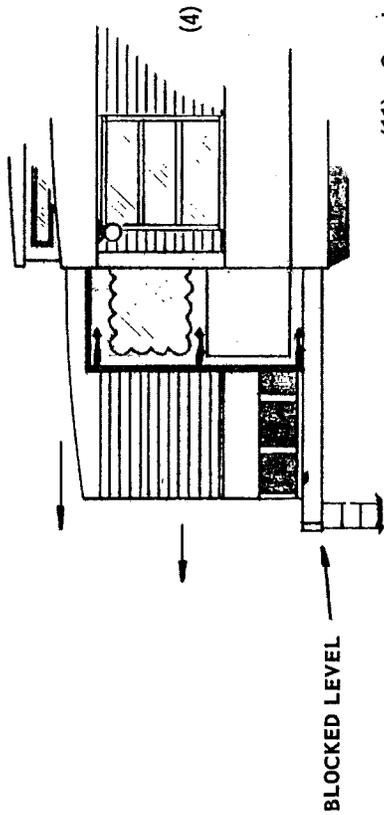
(SEE REVERSE SIDE FOR FURTHER INSTRUCTIONS)

GERRING Industries Inc.

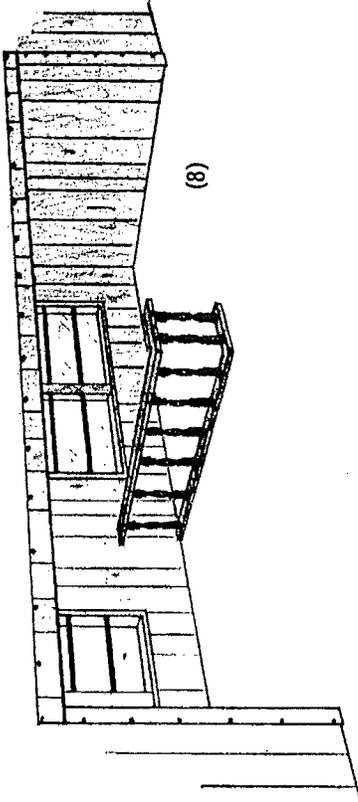
Shipshewana, Indiana

ISI
A US INDUSTRIES COMPANY
AND SHIP HEAVEN & WHEELS OF DIFFERENCE

(4). Slide room out on V-groove rail on floor until even with floor. (of SPACE MATE)



(8). Run 3" clutch-head screws along sides and top of trim board on inside of coach. Screws are then covered up with outside-corner trim. (screws and trim are supplied)



(11). Guest closet is assembled at factory, and shipped loose. After Space-Mate is set-up, install closet with 1 1/2" clutch-head screws. Then trim closet with finished molding. (screws and trim supplied)

(14). Install exterior metal and sealer strips with 3/4" clutch-head screws. (screws and sealer tape for sealer strips are supplied)

SEALER STRIPS (TOP OVER-LAPS SIDES)

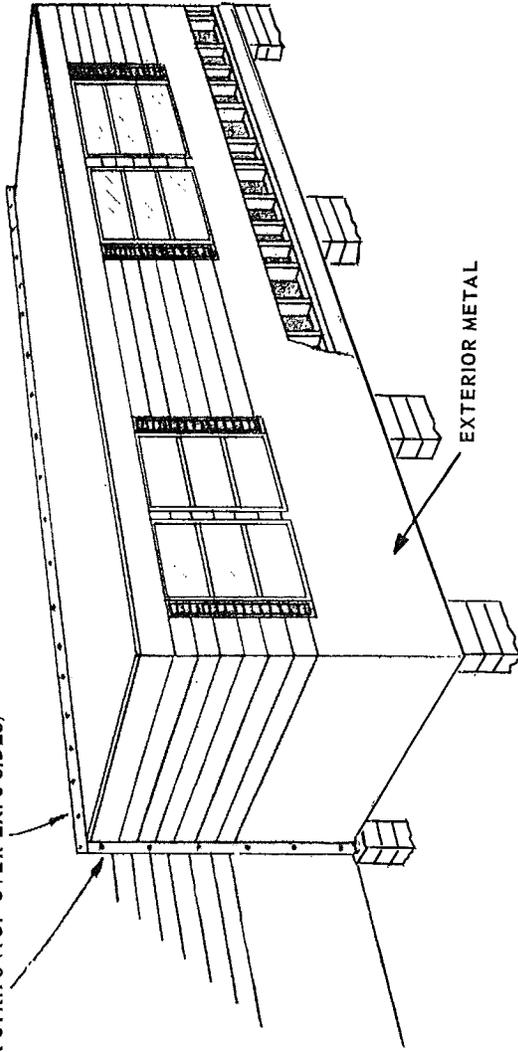
(5). 3" clutch-head screws are applied around outside sill into floor, same size screws are used to fasten interior face board around sides and top of opening.

(6). Connect DINING ROOM LIGHTING CIRCUIT by bringing the 14-2 wire (U.F. Cable) under Space Mate floor, up through pre-drilled hole to receptacle box next to front door. Securely fasten wire under floor. Then take the 14-2 wire in light box and the wire from light-switch and splice whites together, and connect blacks to terminals on light.

(7). Connect DINING ROOM APPLIANCE CIRCUIT by bringing the 12-2 wire (U.F. Cable) under Space Mate floor, up through pre-drilled hole to receptacle box. This wire should be securely fastened under floor. (this wire enters at rear of space mate)

(9). Carpeting for Space Mate should be laid on floor, stretched tight, and tacked down. Excess carpet may then be trimmed off.

(10). Overhead cabinet for bar is assembled at factory, hung in coach, trimmed, and then taken down and shipped loose. (to allow clearance for 24' SPACE-MATE) To connect light over the sink, run 14-2 wire from sidewall into light box on bottom of Sink Overhead. (be sure to securely fasten 14-2 wire to bottom of second shelf in Sink Overhead.)



(12). Space-Mate divider-rail is installed with 1 1/2" clutch-head screws after space mate is set-up (screws are supplied)

(15). Using 1 1/2" clutch-head screws, fasten lower portion of HOUSE-TYPE DOOR, and fasten outside corner metal molding on outside of Space-Mate. (screws and metal molding are supplied.)

(13). Install interior trim. (trim, 1" light and dark trim nails are supplied)

**Manufacturer recommends a minimum of 8 men be used in the set up of the 24' SPACE-MATE

MANUFACTURER WILL NOT ASSUME RESPONSIBILITY ON INJURIES OR IMPROPER SETUP.

DRAINAGE SYSTEM TEST

Connect the drainage piping system to the lot or site inlet and test by allowing water to flow into all fixtures including the clothes washer standpipe (if applicable) for a period of three minutes. Check for any evidence of leakage in the drainage piping system.

GAS PIPING SYSTEM TEST

CAUTION: THE GAS PIPING SYSTEM IN YOUR HOLLY PARK MOBILE HOME IS DESIGNED FOR A PRESSURE NOT TO EXCEED 14 INCHES WATER COLUMN (1/2 PSI). IF GAS FROM SUPPLY SOURCE EXCEEDS, OR MAY EXCEED THIS PRESSURE, A PRESSURE REDUCING VALVE MUST BE INSTALLED.

Before connecting the gas piping system to the gas supply, a pressure test must be conducted on the gas piping system. Check that all appliance shut off valves are open and all appliance burner and pilot valves closed. Pressurize the gas piping system at not less than 10 inches nor more than 14 inches water column, (not less than 6 ounces nor more than 8 ounces per square inch). Hold this pressure for a period of not less than 10 minutes. Once pressurized the source of pressure shall be isolated from the gas piping system. There should be no loss of pressure during the test. Pressure can be measured with a monometer calibrated to read in inches of water column or an equivalent device calibrated in increments of not greater than 1/10 pound.

CAUTION: DO NOT OVER PRESSURE GAS PIPING SYSTEM AS DAMAGE MAY RESULT.

Upon completion of this test connect a properly sized gas supply connector from the gas supply line to the mobile home gas piping system inlet. Test the connection with soapy water for any leaks.

Visually check gas appliance vents to insure that they have not been dislodged in transit and are securely connected to the appliance.

Electrical System Test:

CAUTION: ELECTRICAL SYSTEM CONNECTION AND TESTING MUST BE PREFORMED ONLY BY QUALIFIED ELECTRICAL SERVICE MAN USING APPROVED ELECTRICAL TEST EQUIPMENT.

The following test should be conducted before connection to the power source.

SECTION 3

UTILITY SYSTEM CONNECTIONS AND TESTING

GENERAL

Before leaving the factory, the gas, water and drain line systems of your home have been tested for leaks. In addition, the electrical system has been thoroughly tested. However, prior to connecting these systems to their supply, another test is recommended to insure that these systems are functioning properly after your home has been set up. Following are the procedures to follow in conducting these tests. On home with spacemate all utility connections between units should be made as detailed in the spacemate wide set up procedure, and visually inspected before performing the following tests.

All utility connections must be made by authorized service personnel who are familiar with the requirements in your local area.

WATER DISTRIBUTION SYSTEM CONNECTION AND TEST

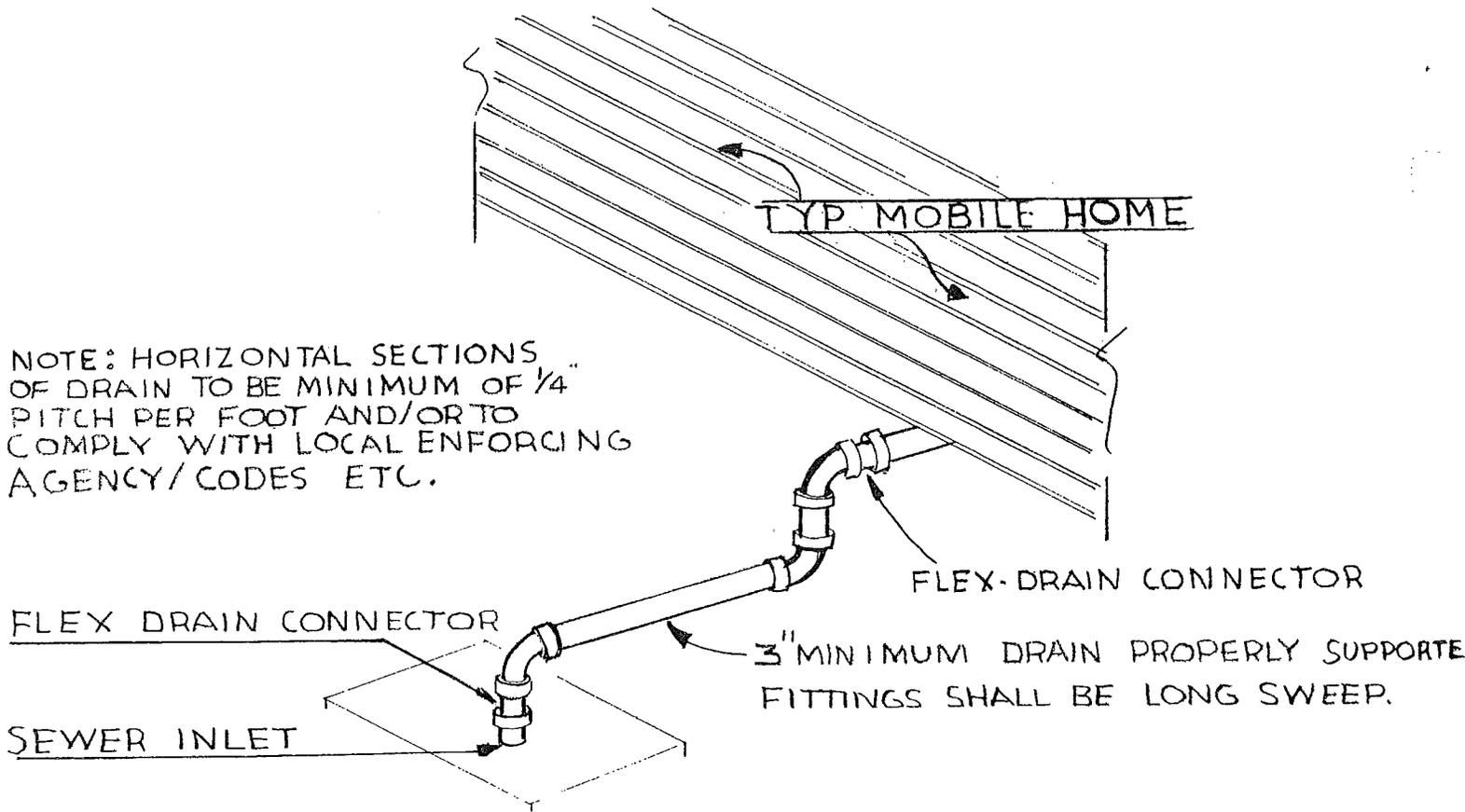
CAUTION: THE WATER SYSTEM IN YOUR MOBILE HOME IS DESIGNED FOR WATER PRESSURE NOT TO EXCEED 80 PSI. IF THE WATER PRESSURE FROM THE SUPPLY SOURCE EXCEEDS, OR MAY EXCEED 80 PSI, A PRESSURE REDUCING VALVE MUST BE INSTALLED.

Connect the water supply to the Holly Park mobile home water inlet. Check the water distribution system and the supply connections for evidence of leakage. If your home is not equipped with a master water shut off valve, one must be installed between the home and the supply source.

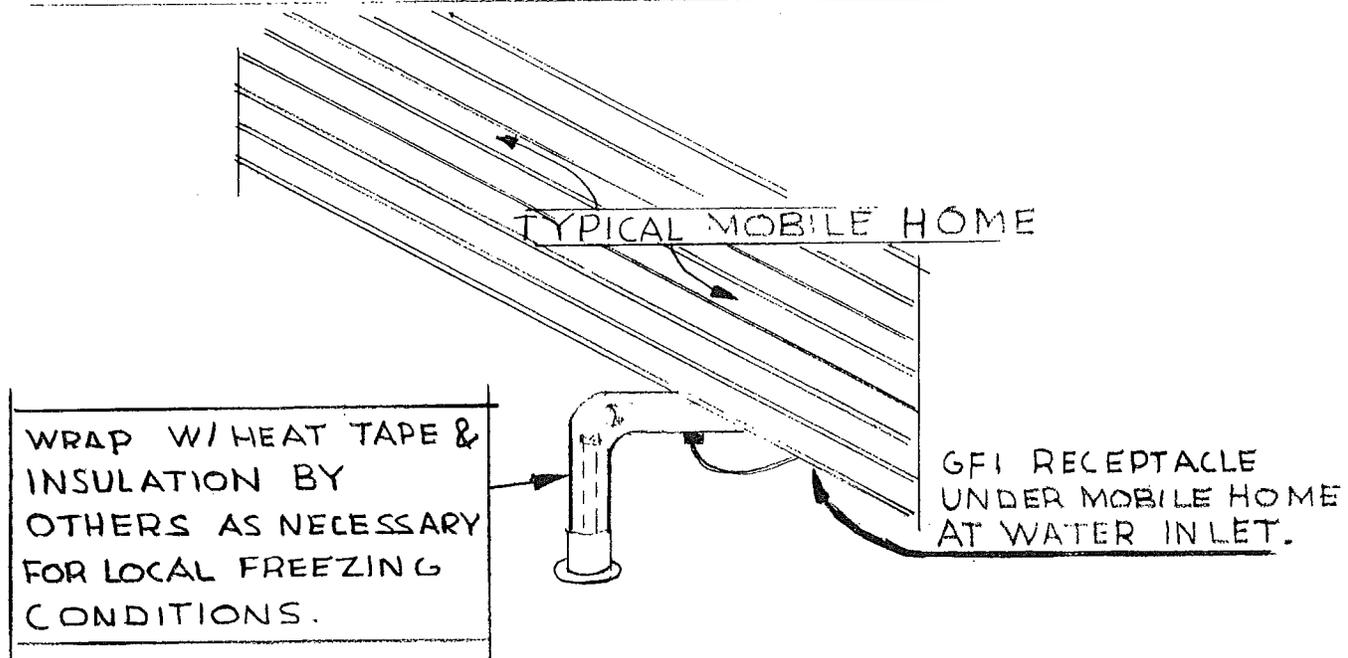
NOTE: IN AREAS SUBJECT TO FREEZING, THE EXPOSED WATER PIPE MUST BE PROTECTED. AN ELECTRICAL RECEPTACLE IS PROVIDED CONVENIENT TO THE POINT OF CONNECTION. TO PREVENT FREEZING, WRAP THE EXPOSED PIPE WITH HEAT TAPE APPROVED FOR USE WITH A MOBILE HOME. AS AN ADDED PRECAUTION, THE PIPE MAY BE WRAPPED WITH INSULATION.

IF YOUR HOME IS NOT EQUIPPED WITH AN INSULATED WATER HEATER DOOR, THE DOOR SHOULD BE INSULATED WITH R-4 INSULATION, OR THE PIPES IN THE WATER HEATER COMPARTMENT SHOULD BE INSULATED.

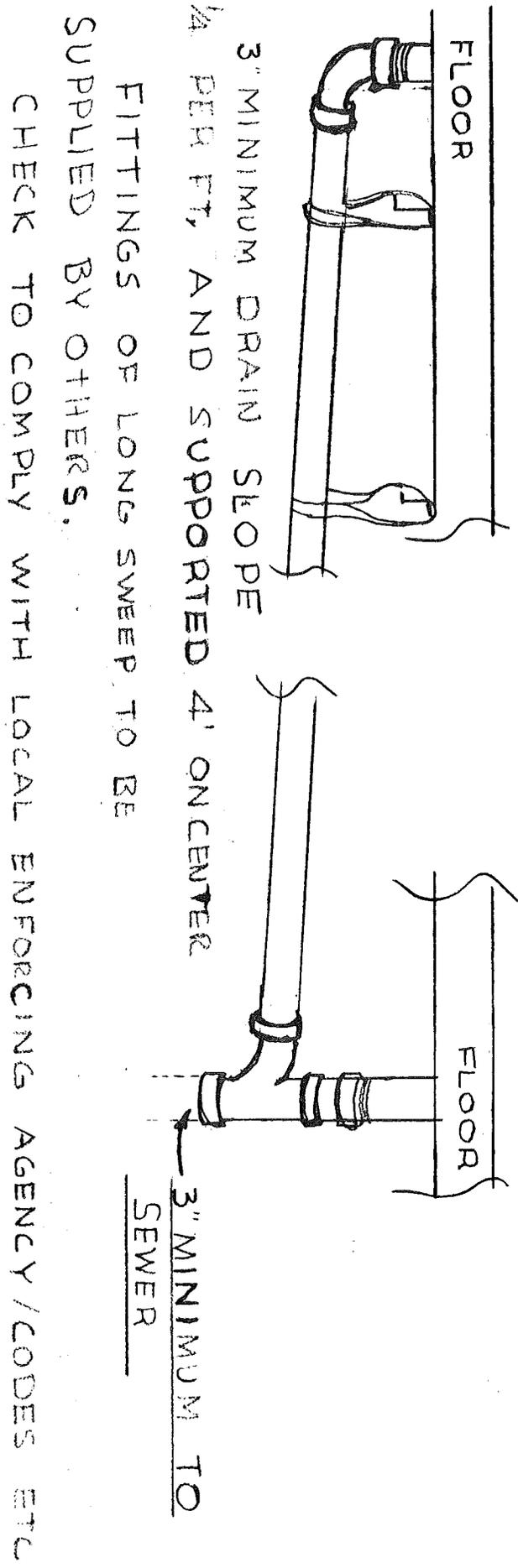
A continuity test with all branch circuit breakers and switches controlling individual outlets in the on position. There should be no evidence of connection between any of the supply conductors (including neutral) and the grounding circuit. In addition, all non-current carrying metal parts of the electrical system including fixture, appliances, and the chassis of the mobile home should be tested for continuity with the grounding circuit.



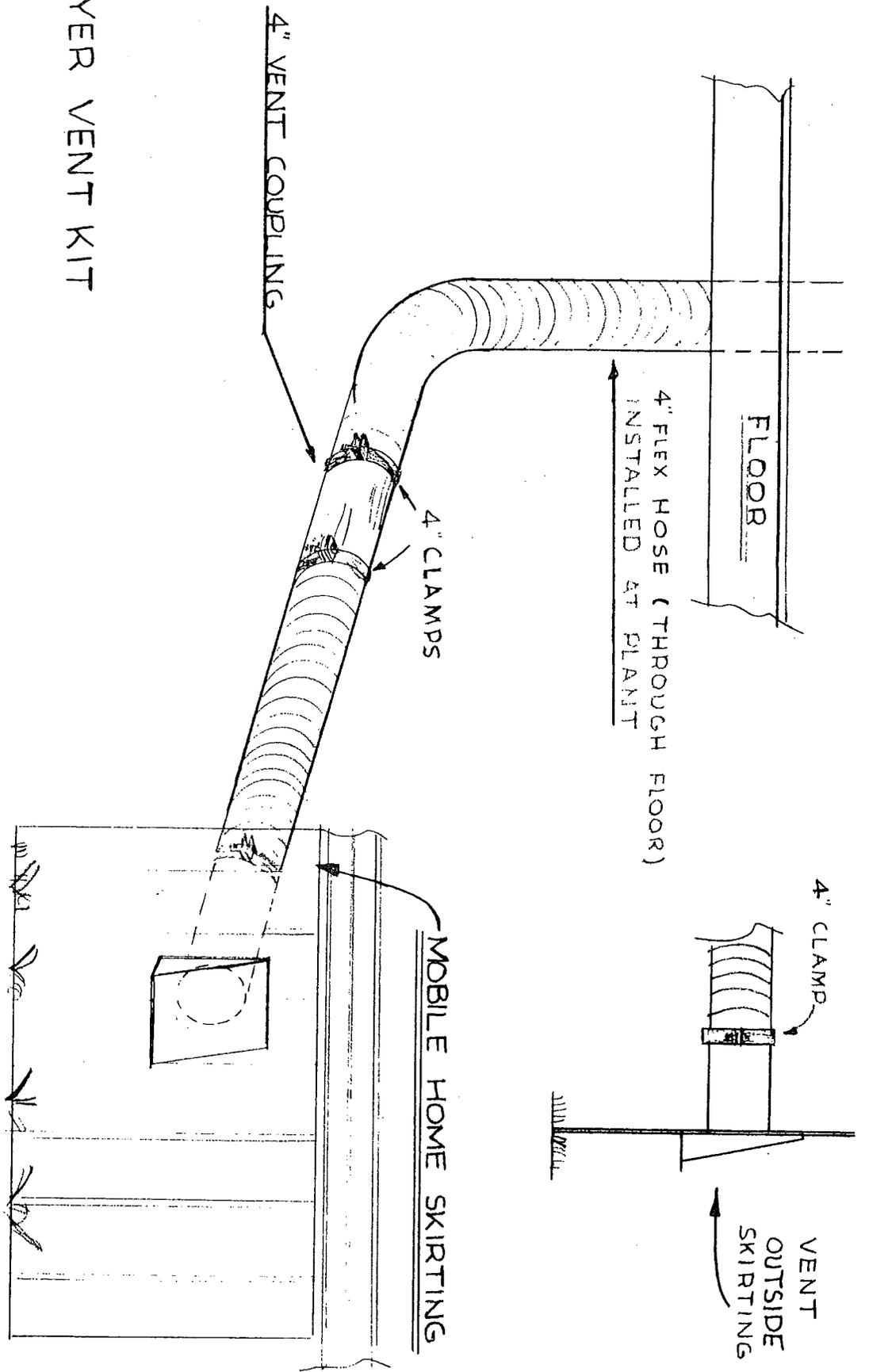
TYPICAL METHOD OF MAIN DRAIN & SEWER



TYPICAL WATER CONNECTION



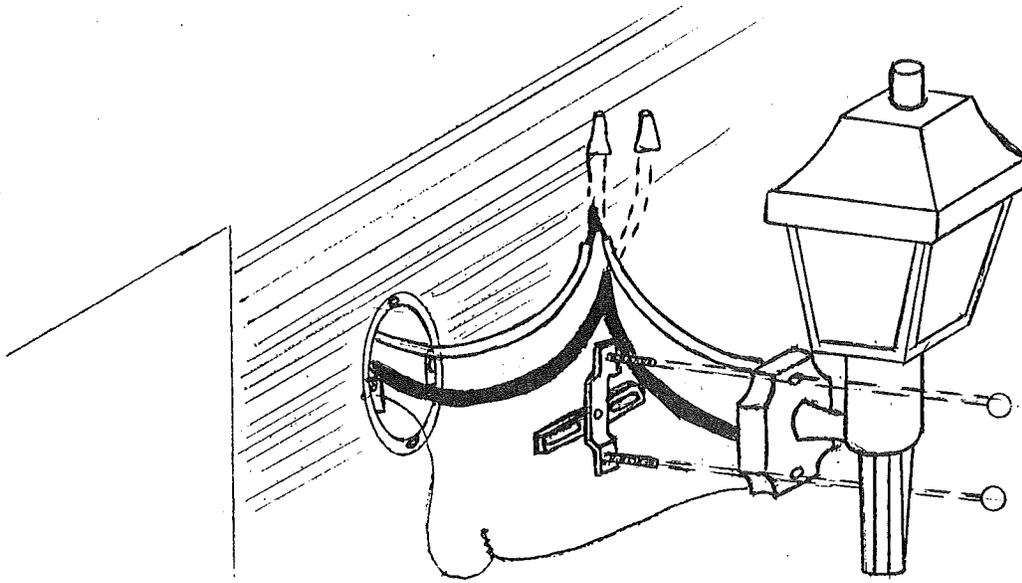
TYPICAL DRAIN CONNECTION
FROM FRONT BATH TO MAIN BATH



DRYER VENT KIT

- 3 - 4" (5-64) CLAMPS
- 1 - 4" VENT COUPLING
- 1 - FLEX HOSE SECTION
- 1 - OUTSIDE DRYER VENT

OUTSIDE LIGHT INSTALLATION



1. Remove cover from box.
2. Unpack light and fasten screws in swivel mounting bracket.
3. Connect all wires - black to black, white to white, and bare ground to ground, securing with twist locks.
4. Install swivel mounting bracket to box through slotted holes with screws which were in cover.
5. With caulking left around box install light on screws securing with acorn type nuts, tighten until light is firm. Excess caulking to be removed.