

# Mobile Home Permit Worksheet

Installer : Brandy Hall License # IH1126663

Address of home being installed TBD Parcel 14-7S-16-04215-000

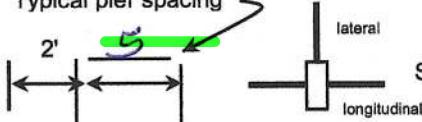
Manufacturer Live Oak Homes Length x width 16X76

**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

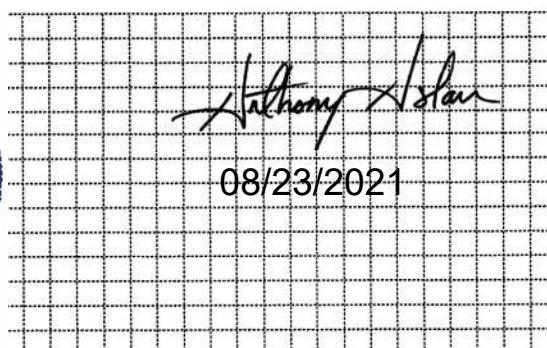
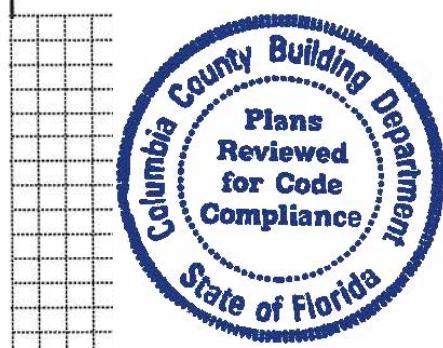
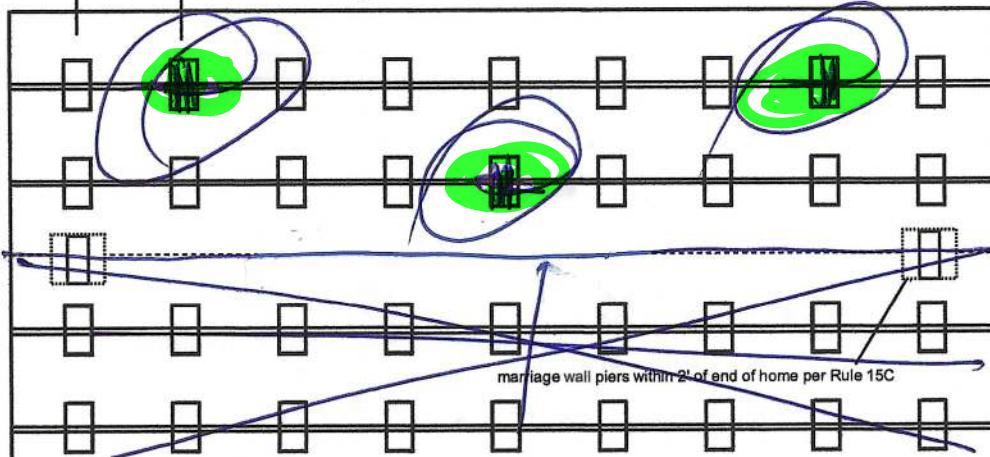
I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials BHA

Typical pier spacing



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



Application Number: \_\_\_\_\_ Date: \_\_\_\_\_

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 # \_\_\_\_\_

Triple/Quad  Serial # LOHGA20036633

## 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 11

Other pier pad sizes (required by the mfg.) 11

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 N/A Pier pad size SEE BIKING

## 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

## OTHER TIES

Number

Sidewall   
Longitudinal   
Marriage wall   
Shearwall

## TIEDOWN COMPONENTS

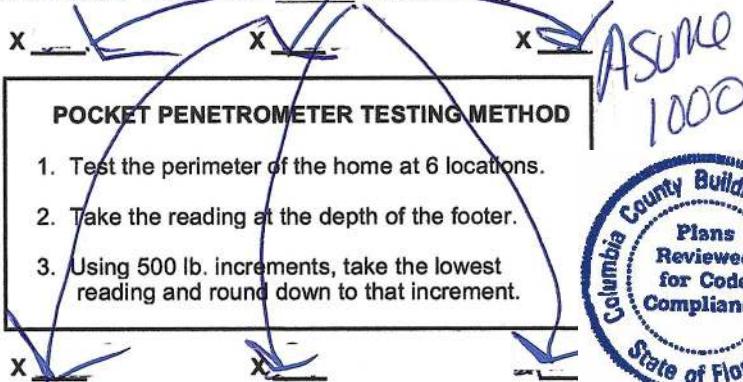
Longitudinal Stabilizing Device (LSD)  
Manufacturer  FSYS  
Longitudinal Stabilizing Device w/ Lateral Arms  
Manufacturer  FSYS

# 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.



## TORQUE PROBE TEST

The results of the torque probe test is \_\_\_\_\_ 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.

Installer's initials BH

## ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Bruce Hall

Date Tested 8-23-21

## Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg. 104-108

## Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. 107-109

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. 107-109

## Site Preparation

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

## Fastening multi wide units

Floor: Type Fastener: NIN Length: 1' Spacing: 1'  
 Walls: Type Fastener: NIN Length: 1' Spacing: 1'  
 Roof: Type Fastener: NIN Length: 1' Spacing: 1'  
 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, mildew 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 BH

Type gasket N/A  
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

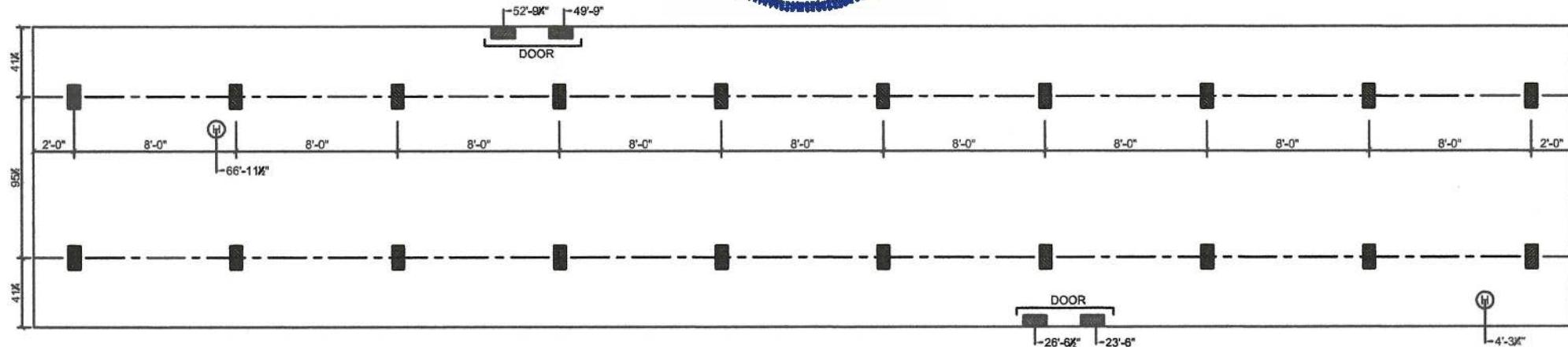
## Miscellaneous

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 Bruce Hall

Date 8-23-21



**SUPPORT PIER/TYP**

**FOUNDATION NOTES:**

- THIS DRAWING IS DESIGNED FOR THE STANDARD WIND ZONE AND IS TO BE USED IN CONJUNCTION WITH THE INSTALLATION MANUAL AND IT'S SUPPLEMENTS.
- FOOTINGS ARE SHOWN FOR EXAMPLE ONLY QUANTITY AND SPACING MAY VARY BASED ON PAD TYPE, SOIL CONDITION, ETC.
- FOOTINGS ARE REQUIRED AT SUPPORT POSTS, SEE INSTALLATION MANUAL FOR REQUIREMENTS.

11-25-2013

**Live Oak Homes**  
**MODEL: L-5763I - 16 X 80**  
**3-BEDROOM / 2-BATH**

(A) MAIN ELECTRICAL	(G) DUCT CROSSOVER
(B) ELECTRICAL CROSSOVER	(H) SEWER DROPS
(C) WATER INLET	(I) RETURN AIR (W/OPT. HEAT PUMP OH DUCT)
(D) WATER CROSSOVER (IF ANY)	(J) SUPPLY AIR (W/OPT. HEAT PUMP OH DUCT)
(E) GAS INLET (IF ANY)	
(F) GAS CROSSOVER (IF ANY)	

5' o/c Txs  
 5'4" Anchor Spacing  
 15% angle  
 X-System

**L-5763I**

# **Xi-Steel Pier System Installation Instructions By Tie Down Engineering**

Effective: August, 2007

**FLORIDA ONLY**

Installation instructions for longitudinal and lateral stabilization of manufactured homes set to specifications of the State of Florida.

- Easy installation
- 3 square foot pad and Xi-system replace standard support pier and base pad
- Screw type pier adjusters... no need to use installation jacks to adjust home to system

## Steel Pier Systems P/N's

#59321 Xi, 12" Pier  
#59314 Xi, 25.5" Pier  
#59317 Xi, 36" Pier  
#59315 Xi, 5' Lateral Strut  
#59318 Xi, 5' Lateral Strut

## Block Pier Systems P/N's

#59319 Xi, Lateral w/5' Strut  
#59320 Xi, Lateral w/6' Strut



## REQUIREMENTS

- Installation can be made in any type of soil, 4B or better
- Florida requires 5' 4" anchor spacing for vertical ties
- 4' ground anchors are used with the Xi-system in 4A and 4B soils, except at shear wall or marriage wall locations where loads exceed 3150 pounds. Florida requires that 5' anchors be used at these locations.
- Center line or shear wall anchors, that may be required by specific manufacturers, are to be sized according to soil type conditions. Follow all manufacturers instructions for anchor type and placement in addition to Florida regulations.
- Maximum sidewall height is a 96" projection. Higher walls may be used, when the design loads are adjusted accordingly.
- Maximum roof eave is 16"
- Main rail spacing must be 99.5" or less
- Maximum pier height of the Xi-system is 48"
- Instructions are not for use on "Exposure D" homes within 1500 feet of the coastline
- Installation instructions are based on 4200# per pad longitudinal load and 6000# per pad lateral load with one diagonal tie/stabilizer.
- Additional vertical anchor ties that are unique to a home's design may be required by the home manufacturer. These locations include shear walls, marriage line ridge beam support posts, and rim plates.

P/N 15386

**TIE DOWN ENGINEERING • 5901 Wheaton Drive • Atlanta GA, 30336**  
**www.tiedown.com • (404) 344-0000 • FAX (404) 349-0401**

## Longitudinal Stabilization for Florida

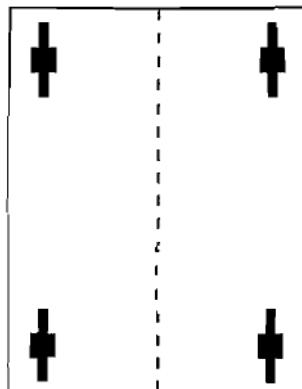
When using longitudinal stabilization only, sidewall perimeter anchors with diagonal ties and stabilizer plates every 5'-4" must be used on the home. Vertical ties are also required on homes supplied with vertical tie connection points (per Florida regulations).



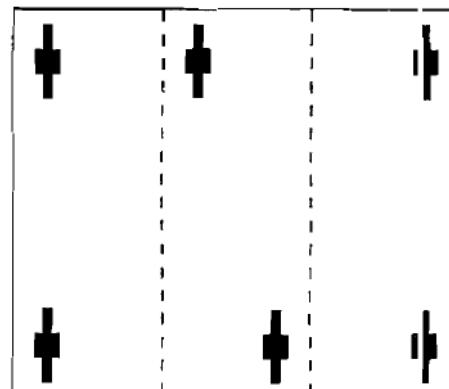
### Typical Placement



Single Section  
Up to 16' Nominal



Double Section  
Up to 32' Nominal



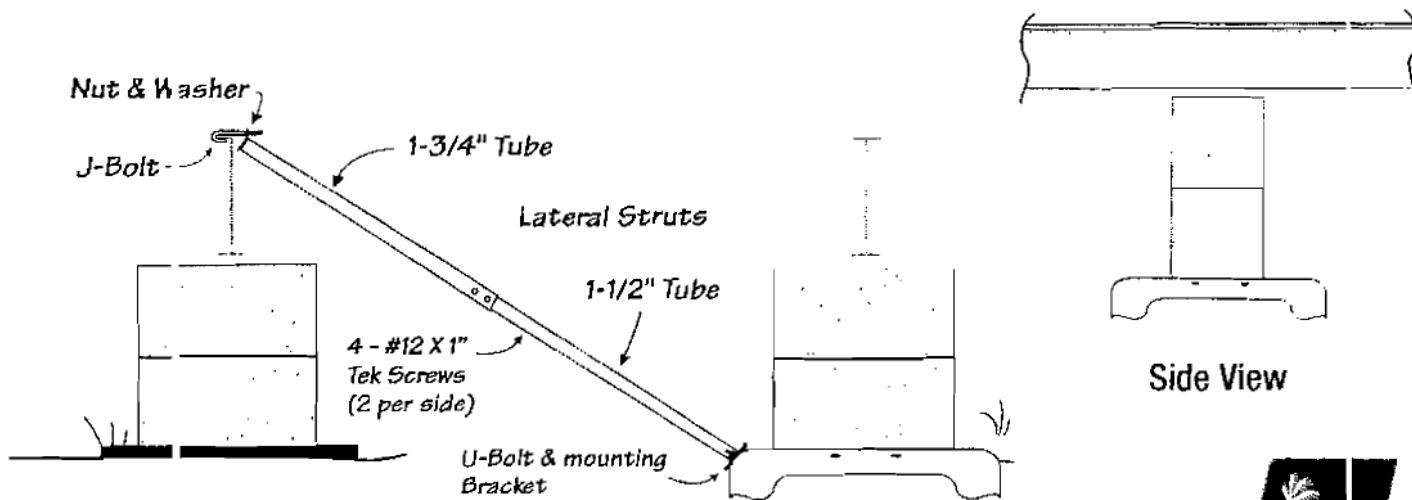
Triple Section  
or Double w/tag up to 48' Nominal

When the Xi-System is used only as longitudinal stabilization, systems must be as evenly spaced as possible, no more than 1ft from the end of the home. Maximum roof slope for single units & double section is 5/12, for triple sections is 3.5/12, for the above number of systems.

## Combining Longitudinal and Lateral Stabilization for Florida

- Sidewall anchors with vertical ties every 5' 4" per Florida requirements
- Roof slope of 20 degrees or less (See chart for 5/12 roof installations).
- Single and double section homes require the same number of systems
- Triple section homes and double section homes with tag units require two additional longitudinal systems
- Diagram represents single section up to 16' width, double section up to 32' width, and triple section homes up to 48' width.
- NOTE: Older homes without vertical tie attachments, require diagonal frame ties/anchors/plates every 5'-4" per Florida regulations

### Xi Block System Assembly



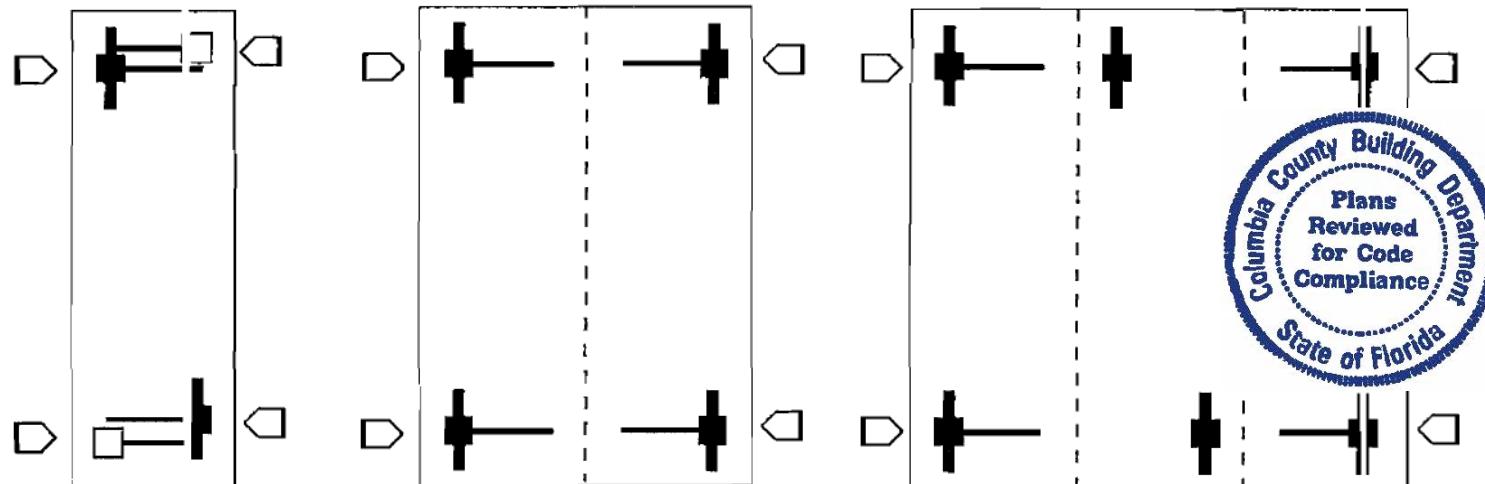
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# Longitudinal and Lateral Stabilization for Florida

- Xi Lateral "Only" System
- Xi Longitudinal "Only" System
- Xi Longitudinal System with Lateral Strut Combo
- Stabilizer Plate & Diagonal Frame Tie

## Homes Up To 52'



### Single

Up to 16' Width  
2 Combo Systems  
2 Lateral only

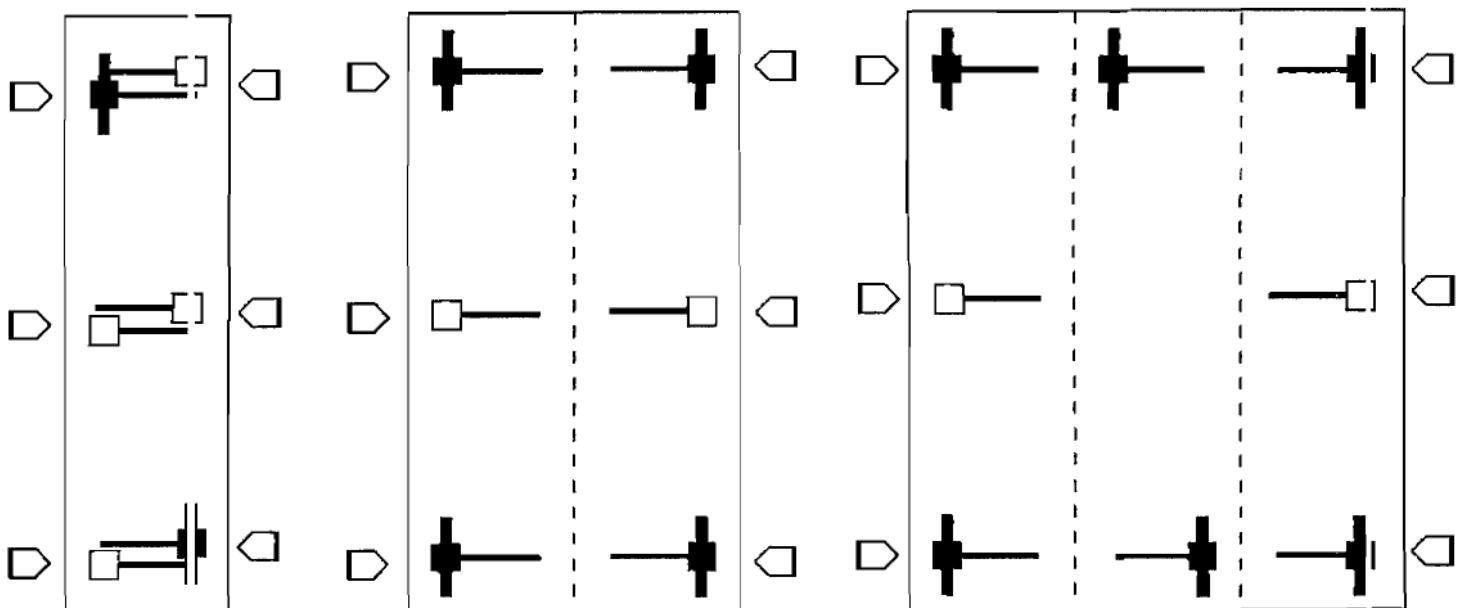
### Double Section

Up to 32' Width  
4 Combo Systems

### Triple Section or "Tag"

Up to 48' Width  
4 Combo Systems  
2 Additional Longitudinal Xi P ers

## Homes Over 52', up to 80'



### Single

Up to 16' Width  
2 Combo Systems  
4 Lateral Only

### Double Section

Up to 32' Width  
4 Combo Systems/2 Lateral Only

### Triple Section or "Tag"

Up to 48' Width  
6 Combo Systems/2 Lateral Only

**Note:** 5/12 roof pitch home requires 2 additional systems.  
6 lateral systems up to 52', 8 lateral systems up to 80'

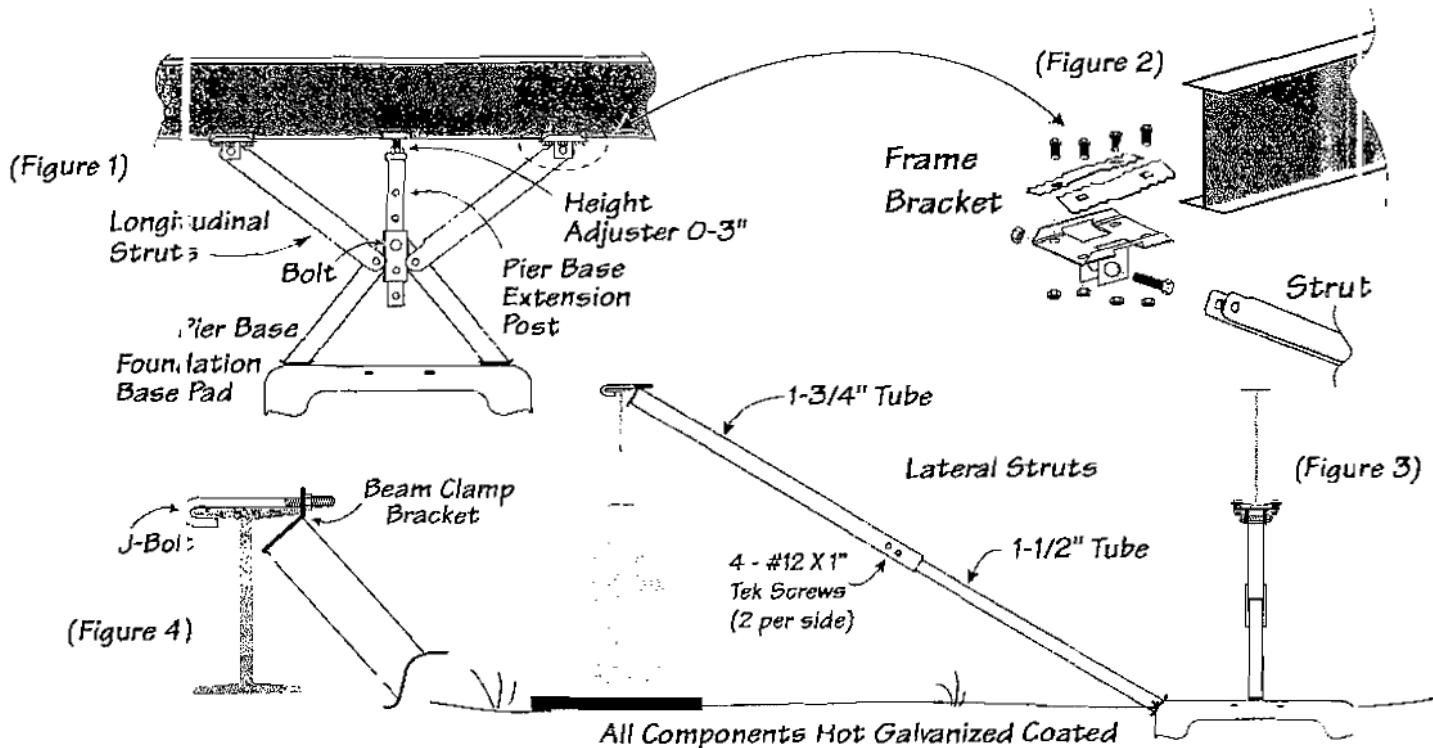
## Installation of Longitudinal System (Figure 1)

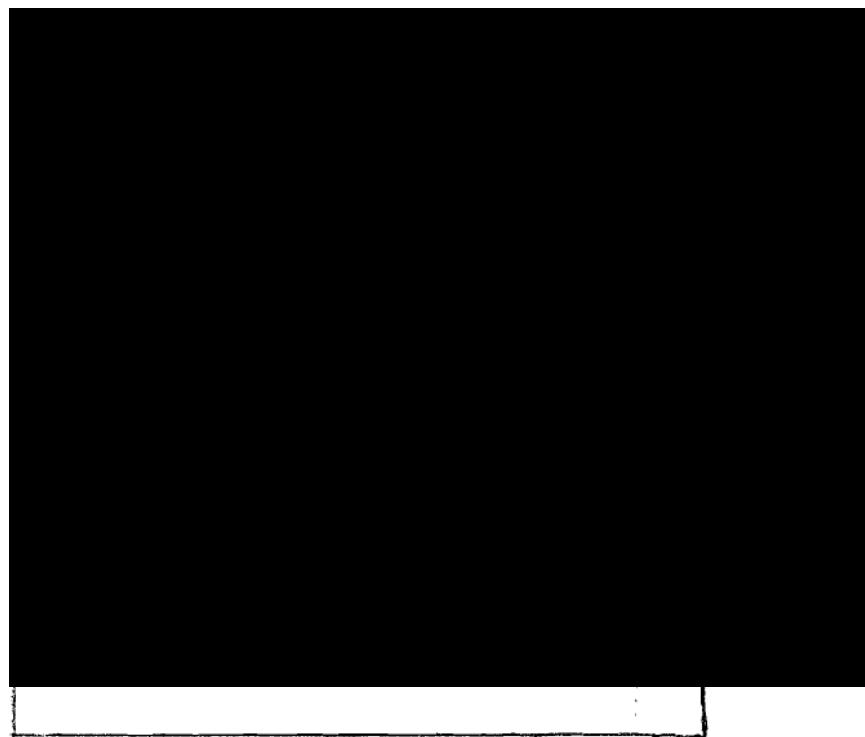
1. Identify the number of systems to be used on the home using the chart provided.
2. Identify on the location where the longitudinal systems will be installed.
3. Clear all organic matter and debris from the pad site.
4. Place pad centered under beam using the centering mark imprinted on the pad.
5. Press or drive pan into ground until level and flush with prepared surface.
6. Slide Xi-System pier feet into slots in pad so that the Xi-system pier is centered under the I-beam.
7. Raise the escoping extension post to contact the bottom of I-beam, secure with bolt provided, tighten bolt nut. (Figure 1)
8. Turn hex nut on pier height adjuster until Xi-System pier is rigid between pad and I-beam.
9. Install Eator Beam clamps to I-beam on each side of the Xi-System pier. Do not tighten nuts at this time. (Figure 2)
10. Connect struts (open side down) to each side of the Xi-System pier using the U-bolt provided. Struts are attached to the upper hole in each pier leg and to the flanges on the beam clamps. (Figure 1)
11. Tighten all nuts and bolts on the struts and beam clamps.



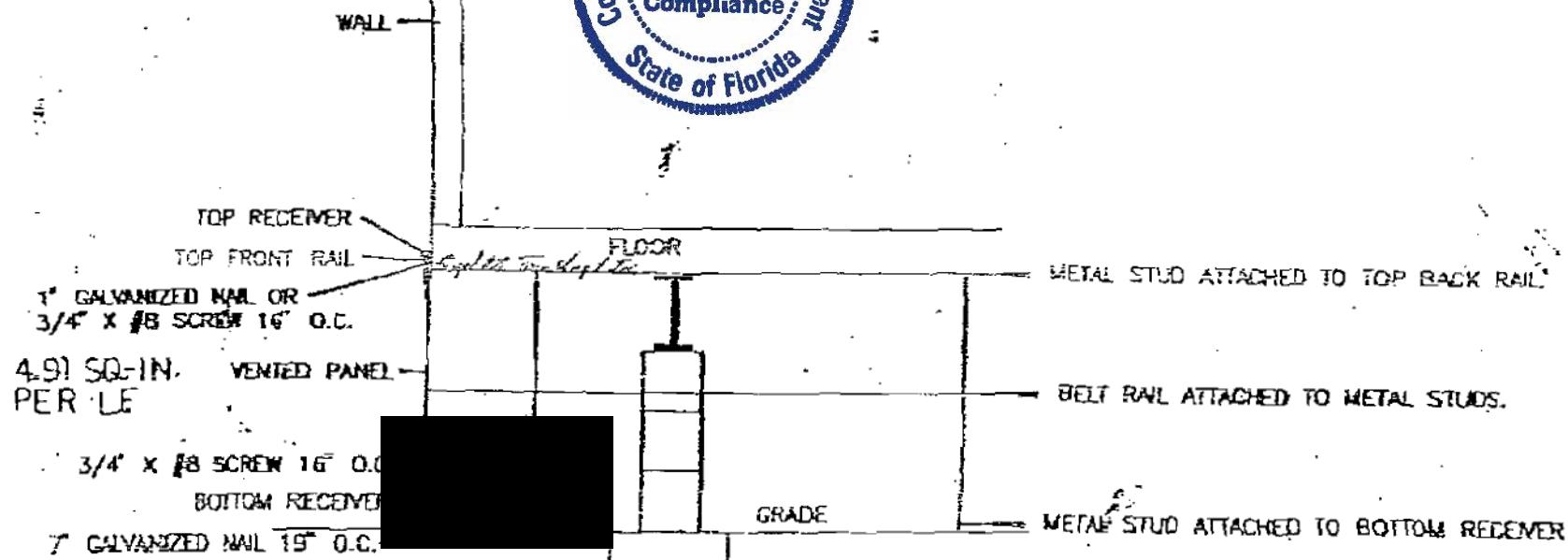
## Installation of Lateral System (Figure 3)

1. Assemble lateral strut by sliding smaller (1-1/2") tube into the larger (1-3/4") tube. Holes should be on the sides of the larger tube and the "flag" up on the larger tube.
2. Attach the end of the smaller tube to the inside of the pan using u-bolts and nuts provided.
3. Attach the flag end of the larger tube to the opposite I-beam using the "J" bolt over the top of the I-beam with the nut & washer provided. (Figure 4)
4. Install a minimum of four(1/4"x3/4") self-tapping screws into the holes provided in the lateral strut so that the two tubes are connected together. (Figure 1)





Platform [REDACTED]  
Spindels 4" on center  
treads 11"  
risers 7 1/2"



## TYPICAL CRAWL SPACE WALL SECTION

1/2" = 1"

SIZE AND LOCATION OF ACCESS DOOR TO BE PLACED TO COORDINATE WITH WATER CUT-OFFS. ACCESS TO BE 18" X 24" MINIMUM.

PER MARION COUNTY REQUEST, SCREWS TO BE INSTALLED AT TOP AND BOTTOM OF EACH PANEL

ANY HOME HAVING IN EXCESS OF 36" HEIGHT MUST HAVE VERTICAL STUDS EVERY 48" WITH BELT RAIL INSTALLED FOR BELOW GUT PROJECTION.