

Mobile Home Permit Worksheet

Installer: Brandy Hall	Address of home being installed	License # IH1126663	
TBD Parcel 14-7S-16-04215-000			
Manufacturer	Length x width	16X76	
Live Oak Homes			
<p>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</p> <p>I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.</p> <p>Installer's initials <u>BH</u></p>			

PIER SPACING TABLE FOR USED HOMES						
Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*
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	<u>1' x 2'</u>
Perimeter pier pad size	<u>1' x 1'</u>
Other pier pad sizes (required by the mfg.)	<u>1' x 1'</u>

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

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

ANCHORS

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer X - T-SysTems

Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer X - T-SysTems

Sidewall Longitudinal Marriage wall Shearwall
Number

Mobile Home Permit Worksheet

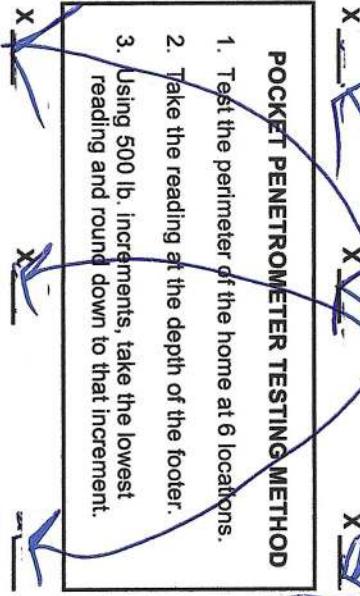
Application Number: _____ Date: _____

POCKET PENETROMETER TEST

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

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.



TORQUE PROBE TEST

The results of the torque probe test is _____ in-lb/nails 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 BAA

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Darlene 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: N/A Length: _____ Spacing: _____
 Walls: Type Fastener: N/A Length: _____ Spacing: _____
 Roof: Type Fastener: N/A 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, 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

Type gasket N/A Pg. _____

Installed:
 Between Floors Yes _____
 Between Walls Yes N/A
 Bottom of ridgebeam Yes N/A

Weatherproofing

The bottomboard will be repaired and/or tapered. 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

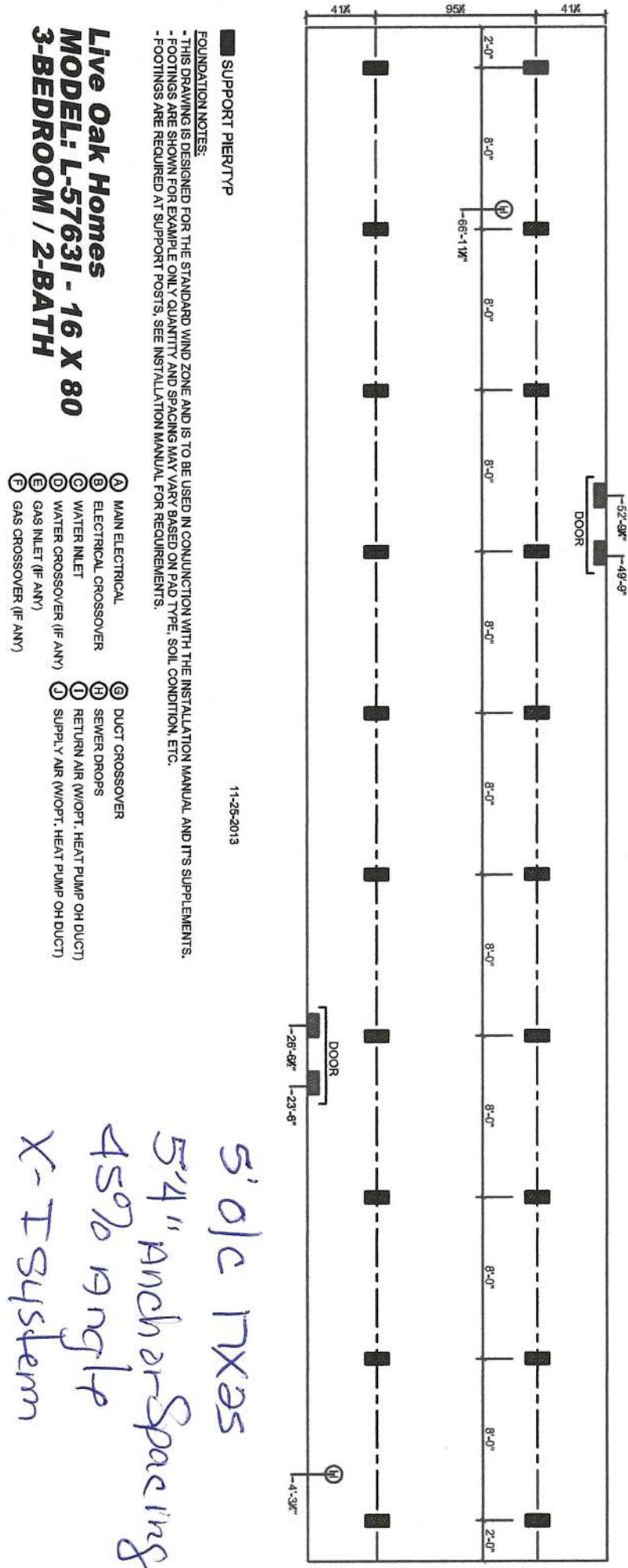
Miscellaneous

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 Darlene Hall Date 8-23-21

L-5763I





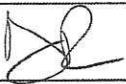
COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave, Suite B-21, Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

MOBILE HOME INSTALLERS LETTER OF AUTHORIZATION

I, Brandy Hall, give this authority for the job address show below
Installer License Holder Name

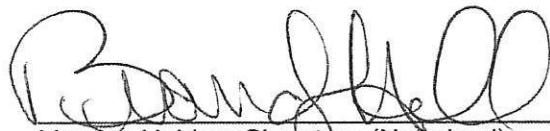
only, TBD Parcel 14-7S-16-04215-000, and I do certify that
Job Address

the below referenced person(s) listed on this form is/are under my direct supervision and control
and is/are authorized to purchase permits, call for inspections and sign on my behalf.

Printed Name of Authorized Person	Signature of Authorized Person	Authorized Person is... (Check one)
Brody Pack		<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Officer <input type="checkbox"/> Property Owner
		<input type="checkbox"/> Agent <input type="checkbox"/> Officer <input type="checkbox"/> Property Owner
		<input type="checkbox"/> Agent <input type="checkbox"/> Officer <input type="checkbox"/> Property Owner

I, the license holder, realize that I am responsible for all permits purchased, and all work done
under my license and I am fully responsible for compliance with all Florida Statutes, Codes, and
Local Ordinances.

I understand that the State Licensing Board has the power and authority to discipline a license
holder for violations committed by him/her or by his/her authorized person(s) through this
document and that I have full responsibility for compliance granted by issuance of such permits.



License Holders Signature (Notarized)

IH1126663

License Number

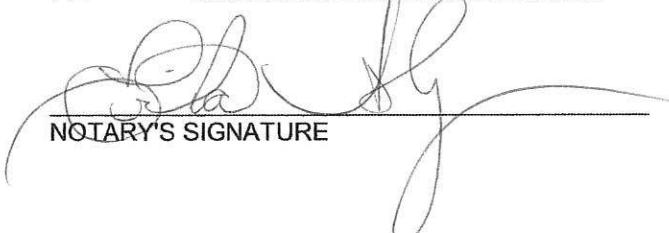
8-23-21

Date

NOTARY INFORMATION:

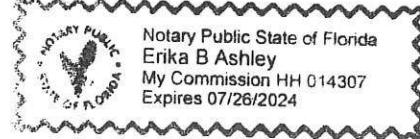
STATE OF: Florida COUNTY OF: Alachua

The above license holder, whose name is Brandy Hall,
personally appeared before me and is known by me or has produced identification
(type of I.D.) on this 23rd day of August, 2021.



NOTARY'S SIGNATURE

(Seal/Stamp)



MOBILE HOME INSTALLATION SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL A/C _____	Print Name <u>Glenn Whittington</u> License #: <u>EC 13002957</u>	Qualifier Form Attached <input type="checkbox"/>	Signature  Phone #: _____
MECHANICAL/ A/C _____	Print Name <u>Michael Boland</u> License #: <u>CAC 1817716</u>	Qualifier Form Attached <input type="checkbox"/>	Signature  Phone #: _____

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

LIMITED POWER OF ATTORNEY

License Holder: Michael A Boland

License #: CAC1817716

I hereby name & appoint Broderick Pack as an agent of Ace A/C of Ocala, LLC, to be my lawful attorney-in-fact to act for me to apply for, receipt for, sign for and do all things necessary to this appointment for Florida applying to:

All permits and applications submitted by this contractor
 The permit and application for work located at: _____

Michael Boland

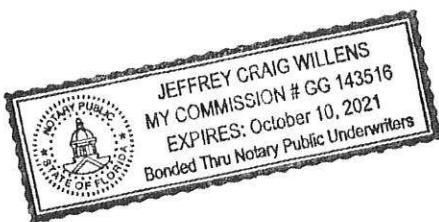
License Holder Signature

State of Florida

County of Marion

The foregoing instrument was acknowledged before me this 18 day of
Jan, 2021,

By Michael Boland as identification and who did (did not) take an oath.



Jeffrey C. Willens
Signature of Notary

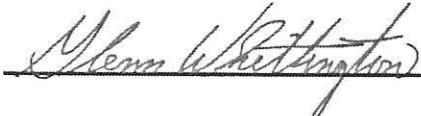
Jeffrey C. Willens
Print or type Notary name

WHITTINGTON ELECTRIC INC

164 QUEENS COUNTRY RD, INTERLACHEN FLORIDA 32148
PHONE: 386-684-4601 CELL: 386-972-1700 OR 1701 Ec-13002957
EMAIL:-whitt1954@gmail.com

This letter is to state that I Glenn Whittington, State certified electrical contractor #EC 13002957 authorize Brody Pack to act on my behalf obtaining permits in the State of Florida.

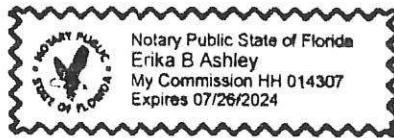
This authorization is to remain in effect indefinitely, unless cancelled by me in writing

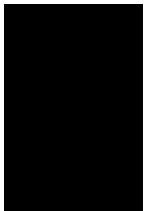


Sworn to and subscribed to before me this 7th day January 2021 by Glenn Whittington who is personally known to me.

Notary public

My commission expires _____





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

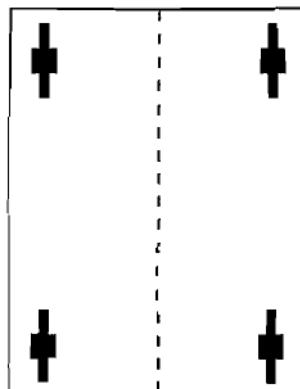
Longitudinal Stabilization for Florida

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).

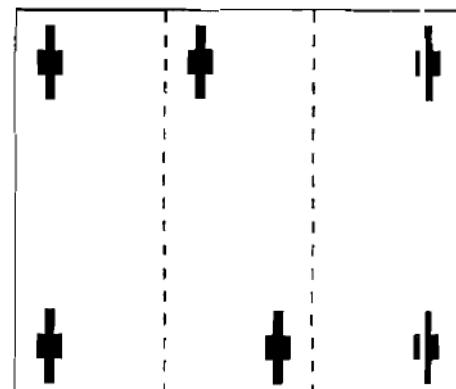
Typical Placement



Single Section
Up to 16' Nominal



Double Section
Up to 32' Nominal



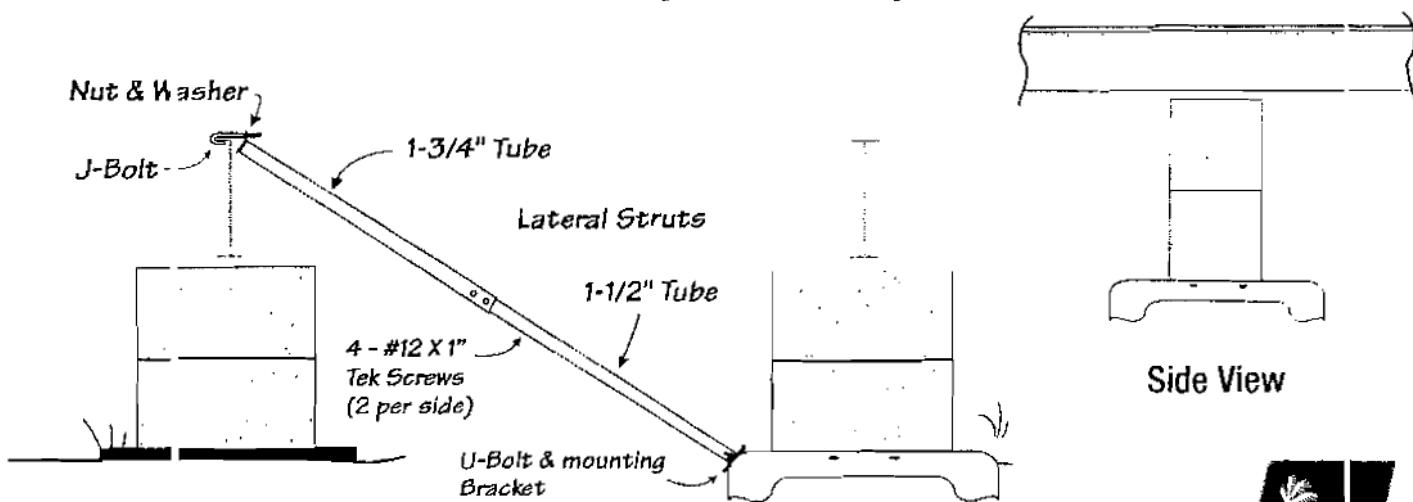
Triple Section
or Double w/tag up to 48' Nominal

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



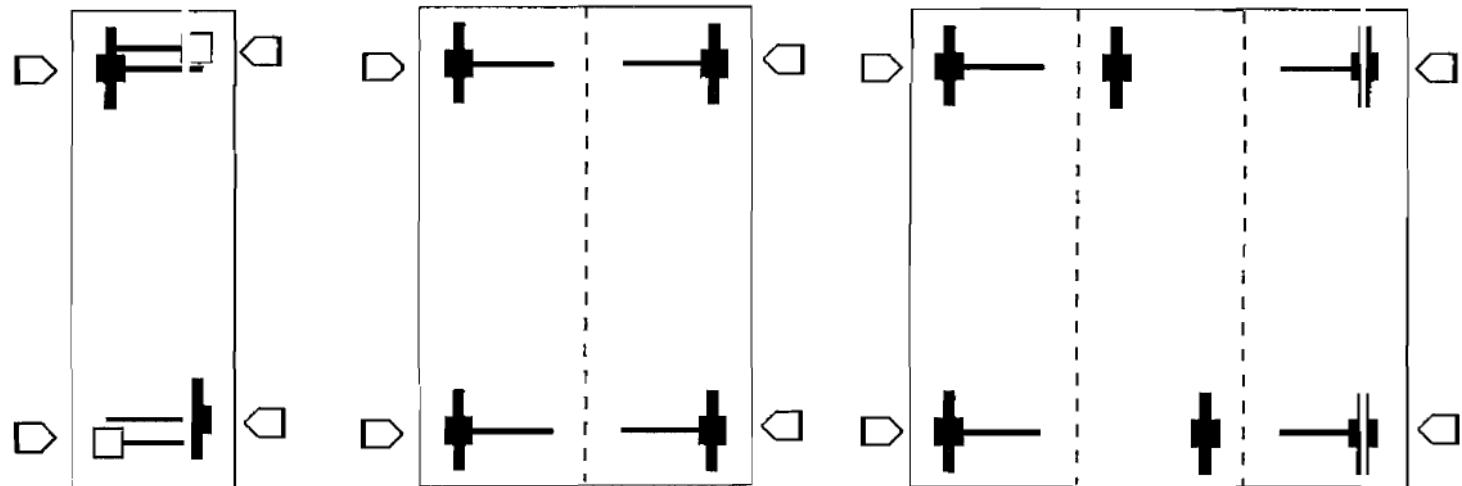
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www.tiedown.com • (404) 344-0000 • FAX (404) 349-0401



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

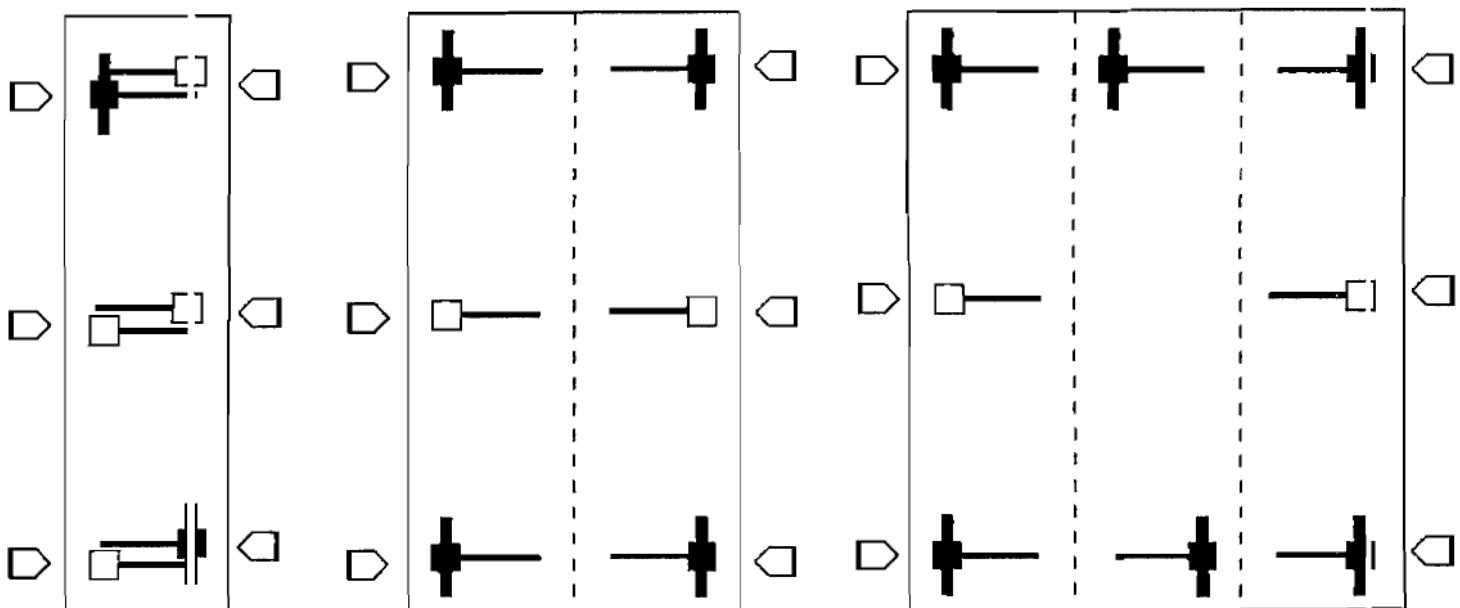
Double Section

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

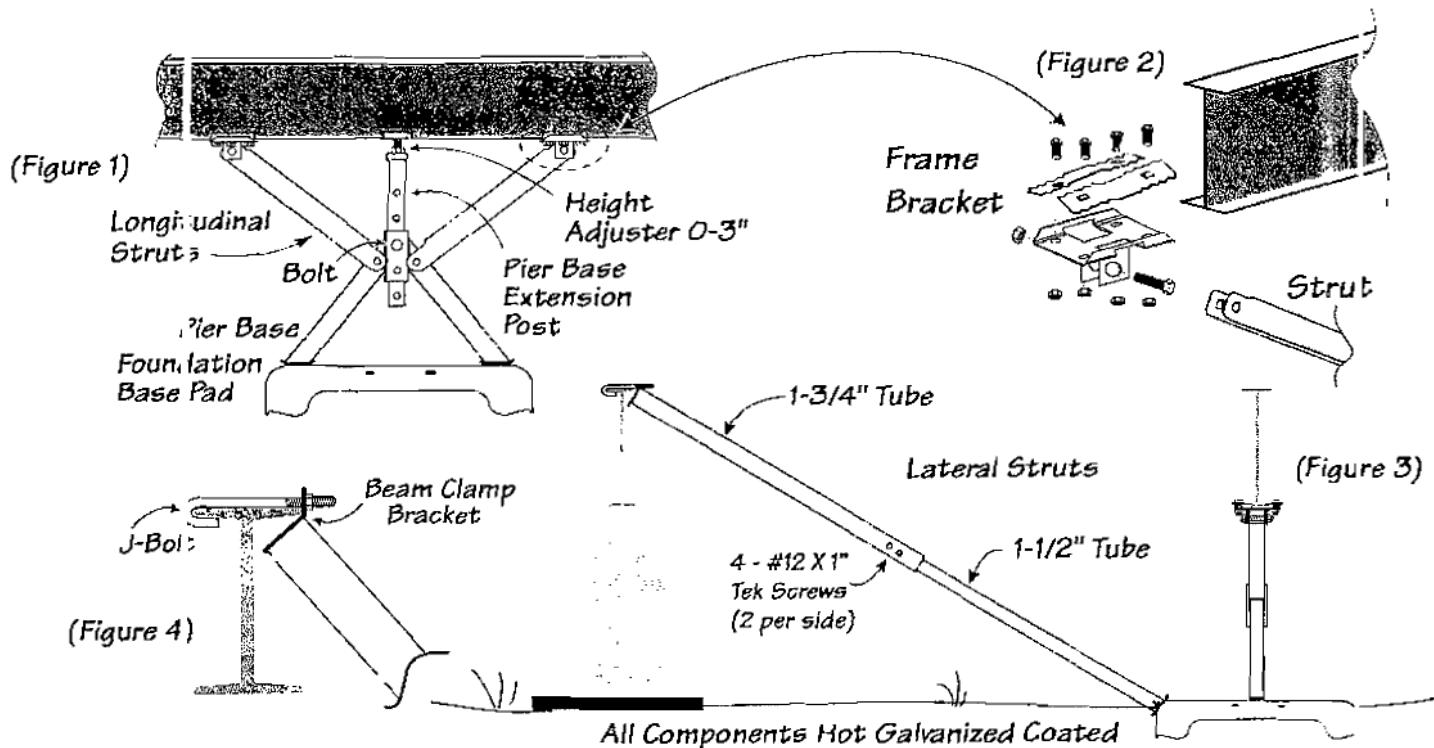
Note: 5/12 roof pitch home requires 2 additional systems.
6 lateral systems up to 52', 8 lateral systems up to 80'

Installation of Longitudinal System (Figure 1)

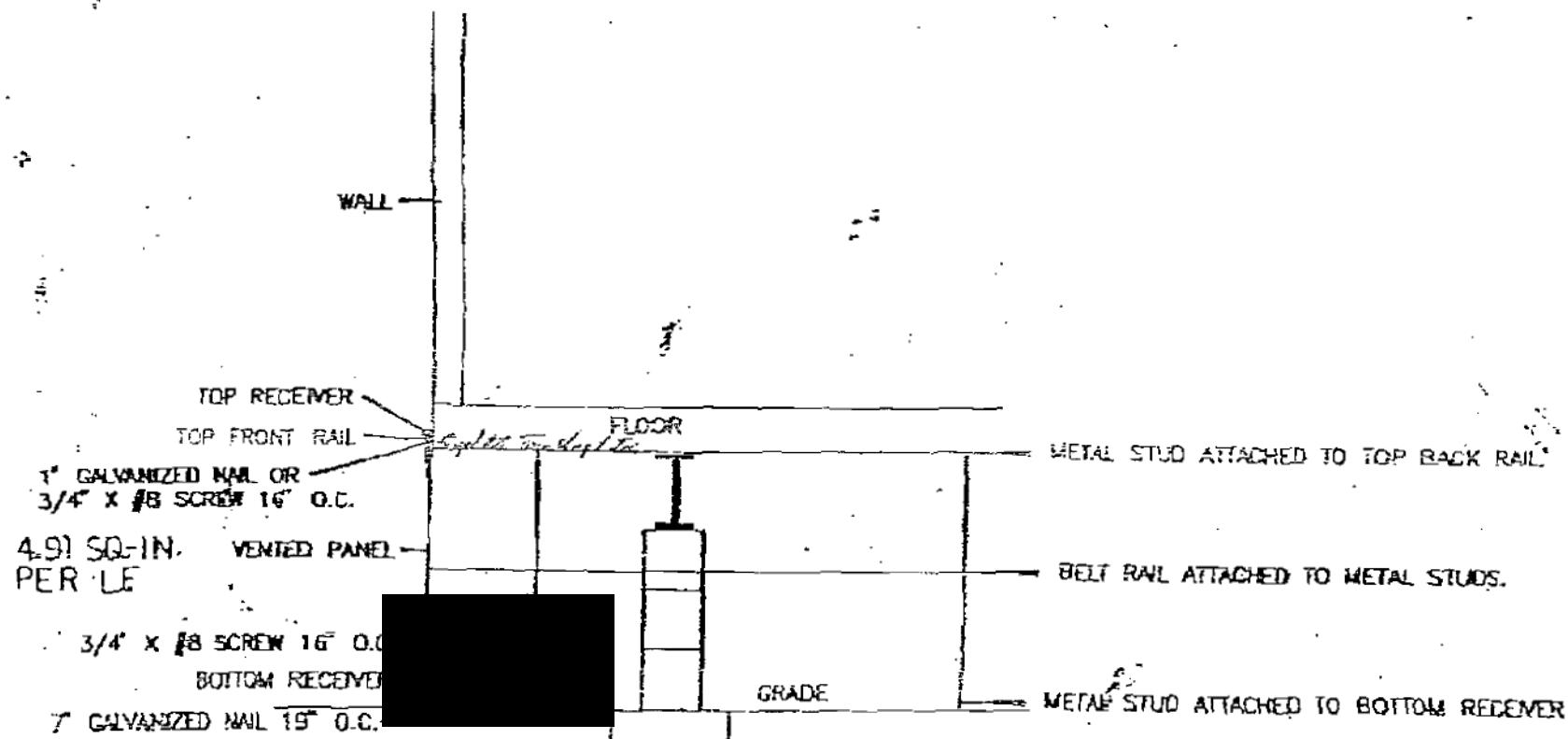
1. Identify the number of systems to be used on the home using the chart provided.
2. Identify on the location where the longitudinal systems will be installed.
3. Clear all organic matter and debris from the pad site.
4. Place pad centered under beam using the centering mark imprinted on the pad.
5. 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.