

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 7-1-15) Zoning Official MS Building Official MS
 AP# 44241 Date Received 12/26 By MG Permit # 39084
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments See Computer Notes

FEMA Map# _____ Elevation _____ Finished Floor _____ River _____ In Floodway _____
~~Recorded Deed or~~ ☒ Property Appraiser PO ☒ Site Plan ☒ EH # 19-0911 ~~Well letter OR~~
~~Existing well~~ ☐ Land Owner Affidavit ☒ Installer Authorization FW Comp. letter ☒ App Fee Paid
 DOT Approval _____ Parent Parcel # _____ STUP-MH _____ ☒ 911 App dy
 Ellisville Water Sys ☒ Assessment paid Out County _____ In County ☒ Sub VF Form _____

Property ID # 31-4S-18-10519-003 Subdivision _____ Lot# _____

- New Mobile Home ☒ Used Mobile Home _____ MH Size 28 X 60 Year 2020
- Applicant Robert Minnella, agent Phone # 352-472-6010
- Address 25743 SW 22 Place, Newberry, FL 32669
- Name of Property Owner Fraser, Mott & Patricia Phone# 386-628-1511
- 911 Address 1887 SE High Falls Rd, Lake City, FL 32025
- Circle the correct power company - FL Power & Light - Clay Electric
 (Circle One) - Suwannee Valley Electric - Duke Energy
- Name of Owner of Mobile Home Same Phone # _____
 Address _____
- Relationship to Property Owner Same
- Current Number of Dwellings on Property 1
- Lot Size 652 X 670 Total Acreage 10.04
- Do you : Have Existing Drive or Private Drive or need Culvert Permit or Culvert Waiver (Circle one)
 (Currently using) (Blue Road Sign) (Parting in a Culvert) (Not existing but do not need a permit)
- Is this Mobile Home Replacing an Existing Mobile Home Yes
- Driving Directions to the Property Hwy 100 East to CR 245, right. Go to SE Ebenezer Rd. Left
Go to SE High Falls Rd. left. Go to the first driveway on right. Orange flag.
- Name of Licensed Dealer/Installer Ernest S Johnson Phone # 352-494-8099
- Installers Address 22204 SE US Hwy 301, Hawthorne, FL 32640
- License Number IH 1025249 Installation Decal # 66298

COLUMBIA COUNTY PERMIT WORKSHEET

page 1 of 2

These worksheets must be completed and signed by the installer.
Submit the originals with the packet.

Installer Ernest S. Johnson License # IH-1025249

911 Address where home is being installed 187 SE High Falls Road

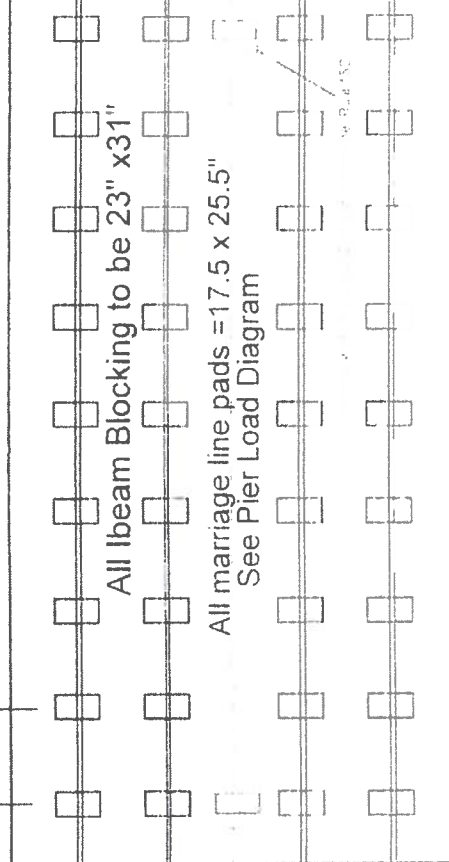
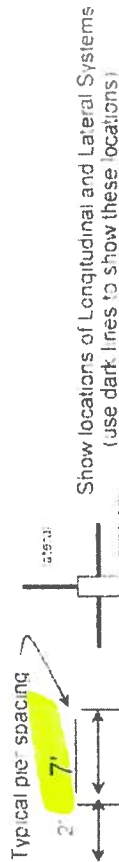
Lake City, FL 32025

Manufacturer Live Oak L2603G Length x width 28' x 60'

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 EJ



(6) Oliver 1101V Systems

All perimeter piers are replaced by

Oliver 1055-11. Includes doors.

windows (w/App'l)

Please see Literature

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 # 66298
Triple Quad ☐ Serial # 21833867 A-B

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	8
1500 psf	4	5	6	7	8	9	9
2000 psf	5	6	7	8	9	10	10
2500 psf	6	7	8	9	10	11	11
3000 psf	7	8	9	10	11	12	12
3500 psf	8	9	10	11	12	13	13

* interpolated from Rule 15C-1 pier spacing table

PIER PAD SIZES

I-beam pier pad size 23" x 31"
Perimeter pier pad size N/A
Other pier pad sizes 17 1/2 x 25 1/2
required by the manufacturer's literature. Use this symbol to show the piers.

Draw the approximate locations of marriage line openings & footer pads. Use this symbol to show the piers.

List all marriage wall openings greater than 4 feet and the pier pad sizes below

Opening Pier pad size

Please see Pier Load Diagram

ANCHORS

✓ ✓ ✓ ✓ ✓

FRAME TIES

within 2' of end of home spaced at 5' 4" o.c.

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)

Manufacturer

Longitudinal Stabilizing Device at Lateral Arms Manufacturer Oliver Technologies

OTHER TIES

Number

24

10-12

2

COLUMBIA COUNTY PERMIT WORKSHEET

page 2 of 2

POCKET PENETROMETER TEST

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

X _____ X _____ X _____

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

Assume 1000lb.

X _____ X _____ X _____

TORQUE PROBE TEST

The results of the torque probe test is 276 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 require anchors with 4000 lb holding capacity.

Assume 1000lb.

Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name _____

Date Tested _____

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 45-47

Plumbing

Connect a sewer line to the sewer lateral or distribution Pg 42

Install a portable water storage tank and an existing water main water tap or water meter under water supply systems Pg 4

Site Preparation

Debris and organic material removed Yes
Water drainage Natural X Swale Pad X Other

Fastening multi wide units

Floor	Type Fastener	Lag	Length	5"	Spacing
Walls	Type Fastener	Lag	Length	5"	Spacing
Roof	Type Fastener	Lag	Length	5"	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: Factory Foam

Installed
Between Floors Yes X
Between Walls Yes X
Bottom of ridgebeam Yes X

Weatherproofing

The bottom board will be repaired and/or taped Yes X Pg 41
Shingling on vents, chimneys, etc. were specified Yes X
Replace chimney installed so as not to allow intrusion of rain water Yes X

Miscellaneous

Skirting to be installed Yes X No
Dryer vent installed outside of skirting Yes X N/A
Range downflow vent installed outside of skirting Yes N/A X
Drain lines supported at 4 foot intervals Yes X
Electrical cross-over's protected Yes X
Other Oliver System 1055-11 to be used at doors and windows where applicable.

Installer verifies all information given with this permit worksheet is accurate and true based on the

Installer Signature

Date 12-20-20

Oliver 1055-11>>xx xx

Oliver 1055-11>>xx xx

xx

WITH OUT HATCH DOORS

Triple

Triple +1

Single Pier

on 17 1/2" x 25 1/2" pad

All Ibeam Pads to be 23" x 31"

Oliver 1055-11> xx xx

Oliver 1101V (6)

Oliver 1055-11 at Doors,

Windows and Sheer Walls

Using 4' & 5' Anchors

Live Oak Homes
MODEL: L-2603G - 28 X 60
3-BEDROOM / 2-BATH

L-2603G

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated 11/27/2019

Parcel: << 31-4S-18-10519-003 >>

Aerial Viewer Pictometry Google Maps

2019 2016 2013 2010 2007 2005 Sales

Owner & Property Info

Result: 1 of 1

Owner	FRASER MOTT H & PATRICIA M 1887 SE HIGHFALLS ROAD LAKE CITY, FL 32025		
Site	1887 HIGH FALLS RD, LAKE CITY		
Description*	COMM NE COR OF SE 1/4, RUN W 2690.05 FT, S 1201.49 FT TO N R/W EBENEZER RD, W ALONG R/W 670 FT FOR POB, CONT W 670.29 FT TO E R/W HIGH FALLS RD, N ALONG R/W 652.80 FT, E 670.05 FT, S 652.80 FT TO N R/W OF EBENEZER RD TO POB. ORB 682-526.		
Area	10.04 AC	S/T/R	31-4S-18
Use Code**	MOBILE HOM (000200)	Tax District	3

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

**The Use Code is a FL Dept of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (2)	\$38,787	Mkt Land (2)	\$38,787
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$10,514	Building (1)	\$10,508
XFOB (3)	\$400	XFOB (3)	\$400
Just	\$49,701	Just	\$49,695
Class	\$0	Class	\$0
Appraised	\$49,701	Appraised	\$49,695
SOH Cap [?]	\$2,677	SOH Cap [?]	\$1,260
Assessed	\$47,024	Assessed	\$48,435
Exempt	HX H3 \$25,000	Exempt	HX H3 \$25,000
Total Taxable	county:\$22,024 city:\$22,024 other:\$22,024 school:\$22,024	Total Taxable	county:\$23,435 city:\$23,435 other:\$23,435 school:\$23,435



Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
4/21/1989	\$15,000	682/0525	WD	V	Q	
4/21/1989	\$15,000	682/0526	WD	V	Q	
11/1/1979	\$3,000	440/0006	03	V	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	MOBILE HME (000800)	1993	1152	1152	\$10,508

*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	0	\$250.00	1.000	12 x 12 x 0	AP (050 00)
0261	PRCH, UOP	2013	\$100.00	1.000	0 x 0 x 0	(000.00)
0252	LEAN-TO W/	2015	\$50.00	1.000	0 x 0 x 0	(000.00)

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000102	SFR/MH (MKT)	10.040 AC	1.00/1.00 1.00/0.85	\$3,540	\$35,537
009945	WELL/SEPT (MKT)	1.000 UT - (0.000 AC)	1.00/1.00 1.00/1.00	\$3,250	\$3,250

Search Result: 1 of 1

© Columbia County Property Appraiser | Jeff Hampton | Lake City, Florida | 386-758-1083

by Google Earth



STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 119-0911

****NOT drawn to scale**

----- PART II - SITEPLAN -----



Notes: 1887 SE High Falls Road
Lake City, Florida 32025

Site Plan submitted by: RC - Ronald Ford
Plan Approved [Signature] Not Approved _____ Date 12/15/19
By [Signature] _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SSOCOF #: 346906247 done by Ford's Septic on: 12-12-2019



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-0911
DATE PAID: 12-13-19
FEE PAID: 1500.00
RECEIPT #: 1-4571251

APPLICATION FOR:

☐ New System ☐ Existing System ☐ Holding Tank ☐ Abandonment
☒ Repair ☐ Temporary

APPLICANT: Mott and Patricia Fraser

AGENT: Ronald Ford - Ford's Septic

TELEPHONE: 386-755-6288

MAILING ADDRESS: 116 NW Lawtey Way Lake City, Florida 32055

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(n) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: n/a BLOCK: n/a SUBDIVISION: Meets + Bounds PLATTED ☒

PROPERTY ID #: 31-45-18-10519-003 ZONING: M1H I/M OR EQUIVALENT: ☒ (1)

PROPERTY SIZE: 10.04 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ <=2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☒ Y ☐ N

DISTANCE TO SEWER: 418 FT

PROPERTY ADDRESS: 1887 SE High Falls Road Lake City, FL 32025

DIRECTIONS TO PROPERTY: HWY 100 East. (R) on CR 245.

Turn (L) on SE Ebenezer Road. Turn (L) on SE High Falls Road. Home # 1887 on right.

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
---------	-----------------------	-----------------	--------------------	--

1	mobile Home	3	1152	heated and cooled (1152 total square feet)
2				
3				
4				

old permit: 85-143

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: Ronald Ford

DATE: 12-12-2019

Legend

Addresses

Parcels

2018Aerials

Contours

default(Contours.shp)

DEFAULT

Roads

Roads

others

Dirt

Interstate

Main

Other

Paved

Private

LidarElevations



Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Dec 27 2019 13:20:03 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 31-4S-18-10519-003

Owner: FRASER MOTT H & PATRICIA M

Subdivision:

Lot:

Acres: 9.602599

Deed Acres: 10.04 Ac

District: District 4 Toby Witt

Future Land Uses: Agriculture - 3

Flood Zones: A,

Official Zoning Atlas: A-3

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Legend

Parcels

Roads

- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private
- Addresses

2018Aerials



Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Dec 27 2019 13:21:50 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 31-4S-18-10519-003

Owner: FRASER MOTT H & PATRICIA M

Subdivision:

Lot:

Acres: 9.602599

Deed Acres: 10.04 Ac

District: District 4 Toby Witt

Future Land Uses: Agriculture - 3

Flood Zones: A,

Official Zoning Atlas: A-3

1887
ok house for
911 Address
JAD

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MOBILE HOME INSTALLATION SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 44241 CONTRACTOR Ernest S. Johnson PHONE (352)494-8099

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 ✓ 1074	Print Name <u>Glenn Whittington</u>	Signature <u>Robert Mammella</u>
	License #: <u>EC13002957</u>	Phone #: <u>(386)972-1700</u>
	Qualifier Form Attached ☒	
MECHANICAL/ A/C B ✓ 950	Print Name <u>Michael A. Boland</u>	Signature <u>Michael A Boland</u>
	License #: <u>CAC1817716</u>	Phone #: <u>(352)205-6722</u>
	Qualifier Form Attached ☐	

Qualifier Forms cannot be submitted for any Specialty License.

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			

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.

Revised 10/30/2015



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

LICENSED QUALIFIER AUTHORIZATION

I, Glenn Whittington (license holder name), licensed qualifier for Whittington Electric Inc. (company name), do certify that the below referenced person(s) listed on this form is/are contracted/hired by me, the license holder, or is/are employed by me directly or through an employee leasing arrangement; or, is an officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said person(s) is/are under my direct supervision and control and is/are authorized to purchase and sign permits; call for inspections and sign subcontractor verification forms on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. <u>Robert Minnella</u>	1. <u>[Signature]</u>
2. <u>Nancy S Phelps</u>	2. <u>[Signature]</u>
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done under my license and fully responsible for compliance with all Florida Statutes, Codes, and Local Ordinances. I understand that the State and County Licensing Boards have the power and authority to discipline a license holder for violations committed by him/her, his/her agents, officers, or employees and that I have full responsibility for compliance with all statutes, codes and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or officer(s), you must notify this department in writing of the changes and submit a new letter of authorization form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to use your name and/or license number to obtain permits.

[Signature]
Licensed Qualifiers Signature (Notarized)

EC13002957
License Number

11-2-15
Date

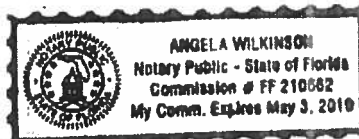
NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: Putnam

The above license holder, whose name is Glenn Whittington personally appeared before me and is known by me or has produced identification (type of I.D.) 2nd on this 2nd day of November, 2015

[Signature]
NOTARY'S SIGNATURE

(Seal/Stamp)



26X

156" WIDE FLOOR WITH 10" EAVE OVERHANG						
STEEL BEAM PIER LOADS AND FOOTING AREAS (ROOF ZONE-SOUTH)						
PIER SPACING	PIER LOAD	MIN FOOTING AREA (SQ. IN.) FOR SOIL PRESSURE LISTED				
		1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
4 FT.	2408 Lbs.	434	279	206	163	135
5 FT.	3089 Lbs.	530	341	251	199	165
6 FT.	3811 Lbs.	626	402	297	235	195
7 FT.	4213 Lbs.	723	464	343	271	225
8 FT.	4815 Lbs.	819	527	388	308	255
9 FT.	5417 Lbs.	915	589	434	343	284
10 FT.	6019 Lbs.	1012	651	479	380	314

156" WIDE FLOOR WITH 10" EAVE OVERHANG						
SIDEWALL OPENING PIER LOADS AND FOOTING AREAS (ROOF ZONE-SOUTH)						
CLEAR SPAN	PIER LOAD	MIN FOOTING AREA (SQ. IN.) FOR SOIL PRESSURE LISTED				
		1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
4 FT.	440 Lbs.	119	77	56	45	38
6 FT.	660 Lbs.	154	99	73	58	48
8 FT.	880 Lbs.	189	122	90	71	59
10 FT.	1099 Lbs.	225	144	107	85	70
12 FT.	1319 Lbs.	269	167	124	97	81
14 FT.	1539 Lbs.	295	190	139	111	92
16 FT.	1759 Lbs.	330	213	156	124	103

NOTE: CHECK LOCAL BUILDING CODES FOR THE FOOTING THICKNESS REQUIRED IN YOUR AREA.

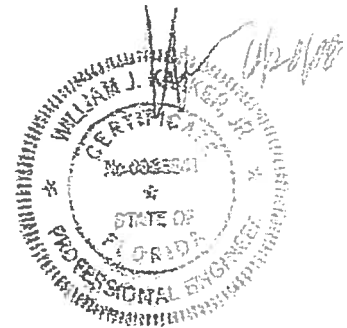
NOTE: TABLES APPLY TO SOUTH (20 PSF) ROOF LIVE LOAD

APPROVED BY

NIA INC.

Feb 16, 2009

FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS



REF. CALC #2-JUNE 25 2008

REF. CALC #1-7/26/07

SUDW-10.1

LINE, A. B.

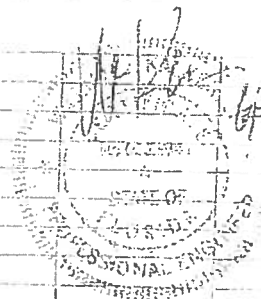
MARRIAGE WALL PIER AND FOOTING LOADS

SUPPORTING OPENING STUDS IN SOUTH (20 PSF) ROOF LIVE LOAD

NOTE: PIER LOADS SPECIFIED ABOVE ARE FOR COLUMNS WITH A CLEAR SPAN ON ONE SIDE OF THE COLUMN ONLY. WHEN CLEAR SPANS EXIST ON BOTH SIDES OF THE COLUMN, ADD THE COLUMN LOADS FOR EACH SPAN TOGETHER BEFORE SELECTING THE PROPER FOOTING.

NOTE: CHECK LOCAL BUILDING CODES FOR THE FOOT 'G THICKNESS' REQUIRED IN YOUR AREA.

NOTE: TABLE APPLIES TO SOUTH (20 PSF) ROOF LIVE LOAD

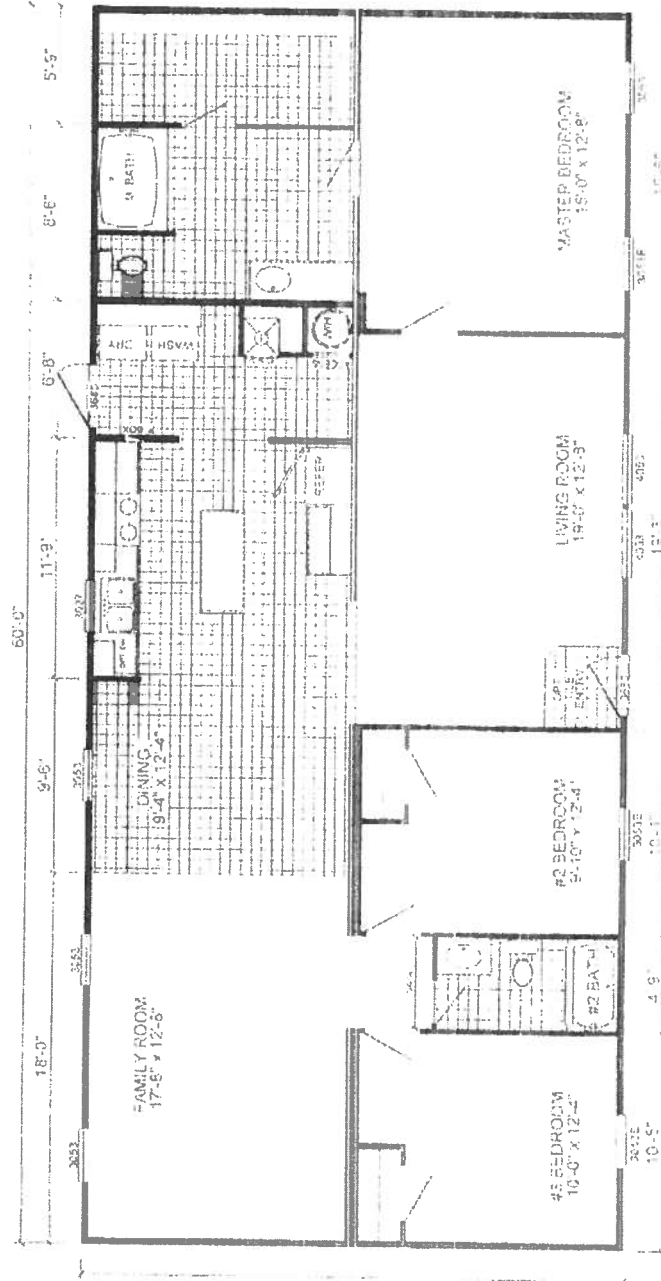
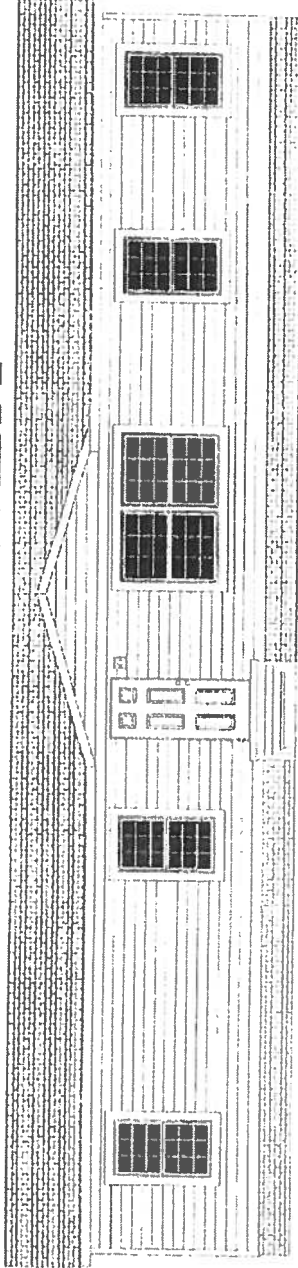


FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

REF. CALC#1-7/26/07

SUDW-11.1

GUNNER



L-2603G-RUNNER
3-BEDROOM / 2-BATH
28' x 64' - Approx. 1560 Sq. Ft.

28' x 64' - Approx. 1560 Sq. Ft.
 28' x 64' - Approx. 1560 Sq. Ft.



State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES
TALLAHASSEE, FLORIDA 32399-0500

FRED A. DICKINSON, III
Executive Director

October 27, 1999

Mr. Lon Larson, General Manager
Manufactured Housing Foundation Systems
A Division of Oliver Technologies
562 Glenheather Drive
San Marcos, California 92069

Dear Mr. Larson:

We wish to acknowledge receipt of your print specifications and test results certifying your Adjustable Outrigger listed below complies with the Federal Manufactured Construction and Safety Standards, § 3280.305 and § 3280.401 and with the rules and regulations set forth by the Department of Highway Safety and Motor Vehicles, Florida Administrative Rule Code 15C-1.01105.

Based on the information submitted to the bureau, the following product is listed for use in Florida when the installation instructions showing the way the outrigger was tested, are provided.

MODEL #	IDENTIFICATION	DESCRIPTION
1055-11	Adjustable Outrigger	Bracket, Pipe, & Screw Adjustment

NOTE: The outrigger was tested on September 19, 1999, for an allowable load of 1700 pounds

If you have any questions, please advise at (850) 413-7600.

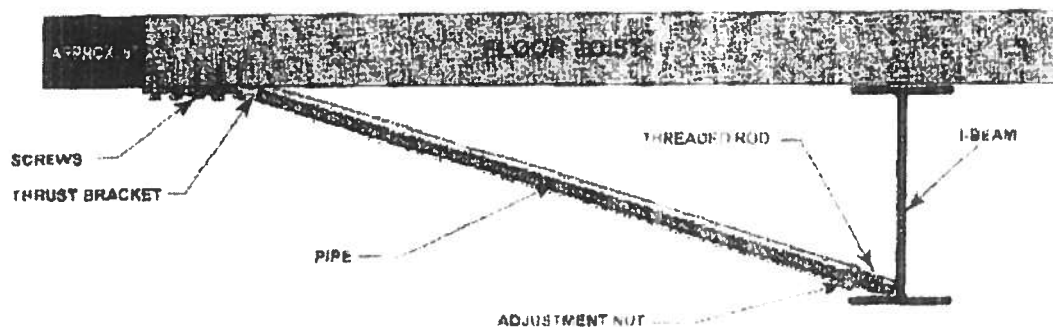
Sincerely,

Phil Bergelt, Program Manager
Bureau of Mobile Home and
Recreational Vehicle Construction
Division of Motor Vehicles

PB:bcc

OLIVER TECHNOLOGIES, INC.
Adjustable Outrigger Installation Instructions
MODEL # 1055-11

1. Locate the floor joist that requires support
2. Mark the I-Beam directly under the floor joist to align the outrigger
3. Adjust the nut on the threaded rod so it clears the frame flange for easy adjustment
4. Set the threaded rod in the pipe and against the frame
5. Set the notched end of the thrust bracket into the end of the pipe and secure it with 5 # 12 x 2" screws to the floor joist. The thrust bracket should be approximately 6" from the outside rim joist
6. Bottom board and insulation should be between the bracket and the joist
7. For minor adjustments align the door and window openings by tightening or loosening the adjustment nut. For all other adjustments use a hydraulic jack to raise the floor joist before installation of the outrigger.



NOTES:

- *REMOVE OUTRIGGER WHEN HOME IS BEING TRANSPORTED
- *SPECIFY WIDTH OF HOME WHEN ORDERING OUTRIGGER. PIPE MAY BE CUT TO FIT
- *THE ADJUSTABLE OUTRIGGERS SHALL ONLY BE USED ON HOMES FOR OPENINGS UP TO
 - 5' ON 20 LB ROOF LOAD
 - 4' ON 30 LB ROOF LOAD
 - 3' ON 40 LB ROOF LOAD
- *WHEN ADJUSTABLE OUTRIGGERS ARE USED FOR DOOR AND WINDOW SUPPORTS, THEY MUST BE INSTALLED ON THE CLOSEST FLOOR JOIST UP TO 16" FROM THE OUTSIDE EDGE OF THE OPENING
- *DO NOT INSTALL ADJUSTABLE OUTRIGGER AT LOCATIONS WHERE THE HOME MANUFACTURER INDICATES A LOAD IN EXCESS OF 1,750 LBS
- *THE ADJUSTABLE OUTRIGGER MUST BE USED ON A MINIMUM 10" I-BEAM AND BE PLACED WITHIN 4" OF A MAIN FRAME SUPPORT PIER OR FRAME CROSSMEMBER

Listing # 1055-11
 Patent # 6,334,279

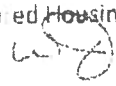
Revised 1/1/11

Terry L. Rhodin
Executive Director

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MEMORANDUM

TO: All Steel Telescoping Lateral Arm Manufacturers
FROM: Wayne Jordan, Operations Services Manager, Manufactured Housing Section
Florida Department of High Safety and Motor Vehicles 
DATE: August 6, 2018
SUBJECT: Elimination of Requirement for Supplemental Frame Ties and Stabilizer Plates at All Steel Telescoping Lateral Arm Locations

The Department has reviewed some concerns expressed by several of the steel telescoping lateral arm manufacturers regarding the Department's requirement to install supplemental frame ties and stabilizer plates on the steel telescoping lateral arm systems.

In an abundance of caution, the Department required supplemental frame ties/stabilizer plates at each lateral arm location in June of 2002. After researching data from storm reports, the Department has found no evidence of the need for these supplemental frame ties/stabilizer plates. With this information in mind, the Department will discontinue the requirement for the supplemental frame ties/stabilizer plates at each lateral arm location.

Manufacturers who wish to change their installation instructions to remove this requirement, must resubmit their last engineering report showing the whole house test without the use of supplemental frame ties/stabilizer plates. Upon receipt and review of the engineering report, the Department will remove the requirement for supplemental frame ties/stabilizer plates. Each manufacturer will be notified within two weeks of receipt of the engineering report. These reports must be sent to my attention at 5701 East Hillsborough Ave, Suite 2228, Tampa, Florida 33610.

If the need arises in the future, the Department may impose additional requirements to the steel telescoping lateral arm systems with a change to Florida Administrative Code Rule 15C-1.



OLIVER TECHNOLOGIES, INC.
FLORIDA INSTALLATION INSTRUCTIONS FOR THE
MODEL 1101 "V" SERIES ALL STEEL FOUNDATION SYSTEM

MODEL 1101 "V" (Steps 1-14)
LONGITUDINAL ONLY: Follow Steps 1-9
LATERAL ONLY: Follow Steps 1-3 and Steps 10-14
FOR CONCRETE APPLICATIONS: Follow Steps 15-18

ENGINEERS STAMP

ENGINEERS STAMP

SPECIAL CIRCUMSTANCES: If the following conditions occur - **STOP! Contact Oliver Technologies at 1-800-284-7437:**

- a) Pier height exceeds 48"
- b) length of home exceeds 76'
- c) Roof eaves exceed 16"
- d) Sidewall height exceed 96"
- e) Location is within 1500 feet of coast

INSTALLATION OF GROUND PAN

2. Remove weeds and debris in an approximate two foot square to expose firm soil for each ground pan (C).
 3. Place ground pan (C) directly below chassis I-beam. Press or drive pan firmly into soil until flush or below soil then install pier per manufacturer's instructions or per Florida Regs.
- SPECIAL NOTE:** The longitudinal "V" brace system may also serve as a pier under the home and should be loaded as any other pier. It is recommended that after leveling piers, and one-third inch (1/3") before home is lowered completely on to piers, complete steps 4 through 9 below then remove jacks.

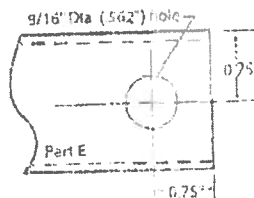
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101-L "V")

NOTE: WHEN INSTALLING THE LONGITUDINAL SYSTEM ONLY, A MINIMUM OF 2 SYSTEMS PER FLOOR SECTION IS REQUIRED. SOIL TEST PROBE SHOULD BE USED TO DETERMINE CORRECT TYPE OF ANCHOR PER SOIL CLASSIFICATION. IF PROBE TEST READINGS ARE BETWEEN 175 & 275 A 5 FOOT ANCHOR MUST BE USED, IF PROBE TEST READINGS ARE BETWEEN 276 & 350 A 4 FOOT ANCHOR MAY BE USED. USE GROUND ANCHORS WITH DIAGONAL TIES AND STABILIZER PLATES EVERY 5'4". VERTICAL TIES ARE ALSO REQUIRED ON HOMES SUPPLIED WITH VERTICAL TIE CONNECTION POINTS (PER FLORIDA REG.).

4. Choose one of the approved longitudinal tube installations; either Diagram A or B. Then select the correct square tube (E) length from the diagram for appropriate pier height at support location or cut and drill 1.5" square tube to achieve appropriate length.

PIER HEIGHT (40° Min. - 45° Max.)	1.25" Tube Length	1.50" Tube Length
7 3/4" to 25"	22"	18"
24 3/4" to 32 1/4"	32"	18"
33" to 41"	44"	18"
40" to 48"	54"	18"

Diagram A



PIER HEIGHT (40° Min. - 60° Max.)	50" Tube Length
14" to 18"	16"
18" to 25"	18"
24" to 35"	19"
30" to 40"	14"
36" to 48"	54"

Diagram B

5. Install (2) of the 1.50" square tubes (E) into the "U" bracket (J), insert carriage bolt and leave nut loose for final adjustment.
6. Place I-beam connector (F) loosely on the bottom flange of the I-beam.
7. (For Diagram A installation) Slide the selected 1.25" tube (E) into a 1.50" tube (E) and attach to I-beam connectors (F) and fasten loosely with bolt and nut. (For Diagram B installation) Attach the selected 1.5" tubes (E) to the I-beam connectors (F) and fasten loosely with bolts and nuts.
8. Repeat steps 6 through 7 to create the "V" pattern of the square tubes loosely in place.
9. Using standard hand tools tighten all nuts and bolts. (For Diagram A installation only, secure 1.25" and 1.50" tubes using four (4) 1/4"-14 x 3/4" self-tapping screws in pre-drilled holes.)

INSTALLATION OF LATERAL TELESCOPING TRANSVERSE ARM SYSTEM (Model 1101-T "V")

THE MODEL 1101 "V" (LONGITUDINAL & LATERAL PROTECTION) ELIMINATES THE NEED FOR STABILIZER PLATES & FRAME TIES.

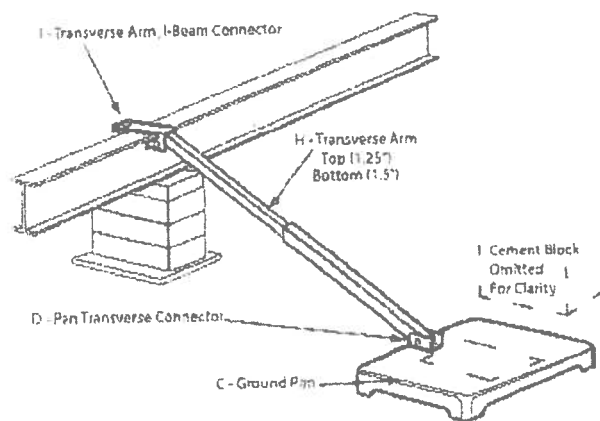
NOTE: THE USE OF THIS SYSTEM REQUIRES VERTICAL TIES SPACED AT 5'4"

FOUR FOOT (4') GROUND ANCHOR MAY BE USED EXCEPT WHERE THE HOME MANUFACTURER SPECIFIES DIFFERENT

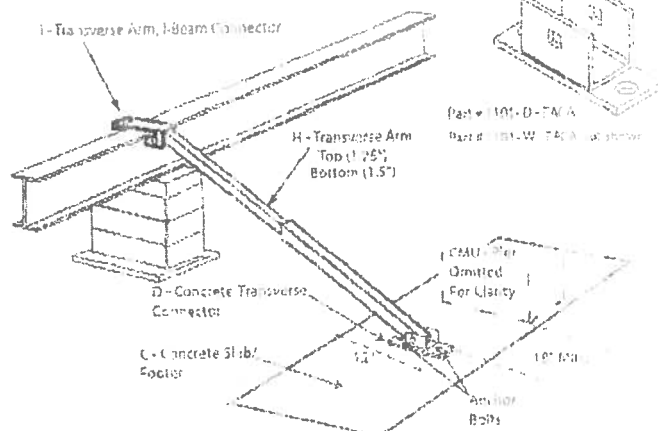
10. Install remaining vertical tie-down straps and 4' ground anchors per home manufacturer's instructions. NOTE: Centerline anchors to be sized according to soil torque condition. Any manufacturer's specifications for sidewall anchor loads in excess of 4,000 lbs. require a 5' anchor per Florida Code.
11. Select the correct square tube brace (H) length for set-up lateral transverse at support location. The lengths come in either 60" or 72" lengths. (With the 1.50" tube as the bottom tube, and the 1.25" tube as the inserted tube.)
12. Install the 1.50" transverse brace (H) to the ground pan connector (D) with bolt and nut.
13. Slide 1.25" transverse brace into the 1.50" brace and attach to adjacent I-beam connector (I) with bolt and nut.
14. Secure 1.50" transverse arm to 1.25" transverse arm using four (4) 1/4"-14 x 3/4" self-tapping screws in pre-drilled holes.

PATENT# 6634150 & OTHER PATENT PENDING

Page 1
 Revision 08/22/18



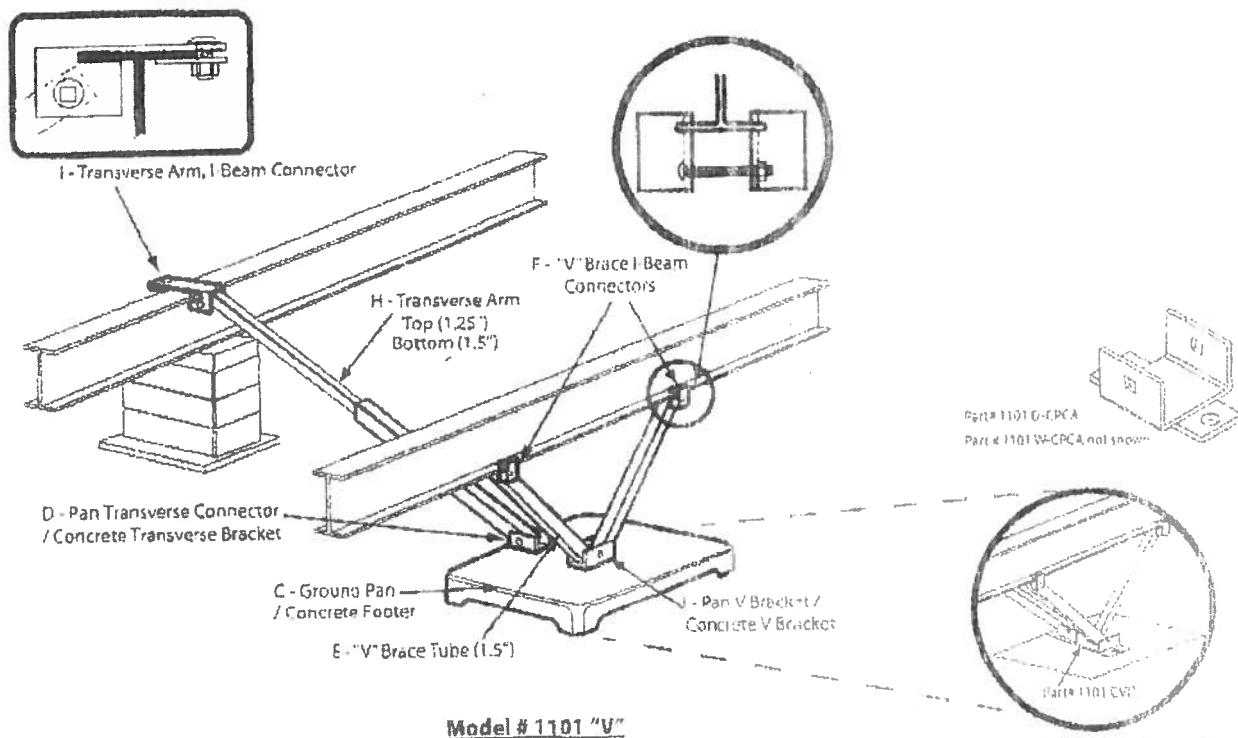
Model # 1101 T "V"



Model # 1101 TC "V"

Florida approved 4' ground anchors may be used in all locations except where home manufacturers specifications for sidewall straps are in excess of 4,000 lbs. These locations require a 5' anchor. Per Florida code

- C = GROUND PAN / CONCRETE FOOTER OR RUNNER
- D = GROUND PAN / CONCRETE U BRACKETS TRANSVERSE CONNECTOR (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)
- E = TELESOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE
- F = "V" BRACE I-BEAM CONNECTOR ASSEMBLY
- H = TELESOPING TRANSVERSE ARM ASSEMBLY
- I = TRANSVERSE ARM I-BEAM CONNECTOR (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)
- J = V PAN BRACKET (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)



Model # 1101 "V"

Model # 1101 C "V"



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INSTALLATION USING CONCRETE RUNNER/FOOTER

A concrete runner, footer or slab may be used in place of the steel ground post.

a. The concrete shall be minimum 2500 psi mix.

b. A concrete runner may be either longitudinal or transverse, and must be a minimum of 4" deep with a minimum width of 9" if longitudinal or 18 inches transverse to allow proper distance between the concrete bolt and the edge of the concrete (per local code). Footers must have minimum surface area of 441 sq. in. (16.21" square), and must be a minimum of 8" deep.

c. If a full slab is used, the depth must be a 4" minimum. Special inspection of the system bracket installation is not required. A 4" gap must allow for at least 4" from the concrete bolt to the edge of the concrete.

d. The bottom of all footings, pads, slabs and runners must be per local jurisdiction.

LONGITUDINAL: (Model 1101 LCW)

When using Part# 1101-W CPCA (wetset) simply install the bracket in runner/footer. OR When installing in concrete use Part# 1101-D CPCA (dryset). The 1101 (dryset) CA bracket is attached to the concrete using (2) 5/8" diam. wedge bolts (Simpson part #162300H 5/8" X 3" or Powers equivalent). Place the CA bracket in desired location. Mark bolt hole locations, then using a 5/8" diam. masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the holes. Place wedge bolts in to pre-drilled holes, then place 1101 (dry set) CA bracket onto wedge bolts and start wedge bolts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt). The slave of concrete wedge bolt needs to be at or below the top of concrete. Complete by tightening nuts.

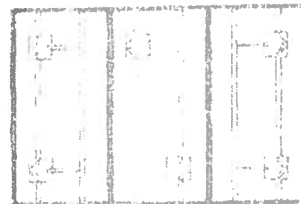
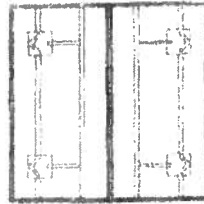
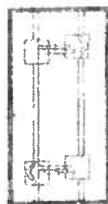
LATERAL: (Model 1101 LCV)

- For wet set (part # 1101 W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation in part # 1101 LCV, mark bolt hole locations, then using a 5/8" diam. masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the hole. Place wedge bolts (Simpson part #5162300H 5/8" X 3" or Powers equivalent) into (D) concrete dry transverse connector and into drilled hole. If needed, take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt), then remove the nut. The slave of concrete wedge bolt needs to be at or below the top of concrete.
- When using part# 1101 CVW (wetset) or 1101 CVD (dryset), install per steps 17 & 18.

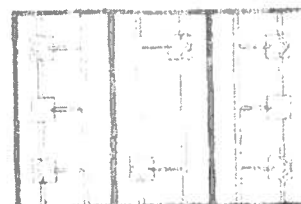
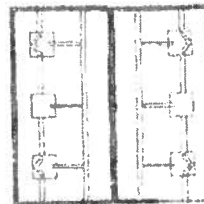
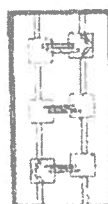
Notes:

1. LENGTH OF HOUSE IS THE ACTUAL BOX SIZE
2. [] = LOCATION OF TRANSVERSE BRACING ONLY
3. [] = LOCATION OF LONGITUDINAL BRACING ONLY
4. [] = TRANSVERSE AND LONGITUDINAL LOCATIONS

ALL WIDTHS AND LENGTHS UP TO 52'



ALL WIDTHS AND LENGTHS OVER 52' TO 80'



HOUSES WITH 5/12 ROOF PITCH REQUIRE PER FLORIDA REGULATIONS
6 systems for home lengths up to 52' and 8 systems for home over 52' and up to 80'

PATENT # 6634150 & OTHER PATENT PENDING

Page 3 of 4