

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only

(Revised 7-1-15)

Zoning Official _____ Building Official _____

AP# _____ Date Received _____ By _____ Permit # _____

Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____

Comments _____

FEMA Map# _____ Elevation _____ Finished Floor _____ River _____ In Floodway _____

☐ Recorded Deed or ☐ Property Appraiser PO ☐ Site Plan ☐ EH # _____ ☐ Well letter OR

☐ Existing well ☐ Land Owner Affidavit ☐ Installer Authorization ☐ FW Comp. letter ☐ App Fee Paid

☐ DOT Approval ☐ Parent Parcel # _____ ☐ STUP-MH _____ ☐ 911 App

☐ Ellisville Water Sys ☐ Assessment _____ ☐ Out County ☐ In County ☐ Sub VF Form

Property ID # 06-7S-17-09925-127 Subdivision _____ Lot# _____

▪ New Mobile Home X Used Mobile Home _____ MH Size 16x58 Year 2021

▪ Applicant LINDA ROGERS Phone # 813-334-7628

▪ Address 787 SW HERON DR FORT WHITE FL 32038

▪ Name of Property Owner GERALD AND JODIE ROGERS Phone# 813-731-9541

▪ 911 Address 787 SW HERON DR FORT WHITE FL 32038

▪ Circle the correct power company - FL Power & Light - Clay Electric
(Circle One) - Suwannee Valley Electric - Duke Energy

▪ Name of Owner of Mobile Home LINDA ROGERS Phone # 813-334-7628

Address 787 SW HERON DR FORT WHITE FL 32038

▪ Relationship to Property Owner SELF

▪ Current Number of Dwellings on Property NONE

▪ Lot Size ACRES Total Acreage 10.57

▪ Do you : Have Existing Drive or Private Drive or need Culvert Permit or Culvert Waiver (Circle one)
(Currently using) (Blue Road Sign) (Putting in a Culvert) (Not existing but do not need a Culvert)

▪ Is this Mobile Home Replacing an Existing Mobile Home NO

▪ Driving Directions to the Property Head west on NE Franklin St toward NE Calhoun Ave

Turn left onto US-441 S/N Marion Ave

Continue to follow US-441 S Turn left onto US-41 S/US-441 S

Turn right onto SW Tustenuggee Ave Turn right onto SW Fellowship St Turn left onto SW Old Niblack Ave Continue straight onto SW Heron Dr

▪ Name of Licensed Dealer/Installer ROBERT PUCKETT Phone # 352-351-8153

▪ Installers Address 1748 NW 58TH LN OCALA FL 34475

▪ License Number IH1025336 Installation Decal # TBD

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Tax Parcel Identification Number:

06-7S-17-09925-127

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property (legal description):
a) Street (job) Address: 787 SW HICKSON DR FORT WHITE FL 32008
2. General description of improvements: INSTALL MOBILE HOME
3. Owner Information or Lessee Information if the Lessee contracted for the improvements:
a) Name and address: GERALD ROGERS 787 SW HICKSON DR FORT WHITE FL 32008
b) Name and address of fee simple titleholder (if other than owner): N/A
c) Interest in property: OWNER
4. Contractor Information
a) Name and address: ROBERT PUCKETT 1748 NW 58TH LN OCALA FL 34475
b) Telephone No.: 852-951-8153
5. Surety Information (if applicable, a copy of the payment bond is attached):
a) Name and address: N/A
b) Amount of Bond:
c) Telephone No.:
6. Lender
a) Name and address: N/A
b) Phone No.:
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
a) Name and address: N/A
b) Telephone No.:
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name: N/A OF
b) Telephone No.:
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified): N/A

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Gerald Rogers
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager

Gerald Rogers / owner
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 8th day of July, 2021, by
Gerald Rogers as owner of property for SELF
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known _____ OR Produced Identification X Type FLS

Notary Signature

Hannah Murry

Notary Stamp or Seal:



Columbia County Property Appraiser

Jeff Hampton

2021 Working Values

updated: 6/3/2021

Retrieve Tax Record

2020 TRIM (pdf)

Property Card

Parcel List Generator

Show on GIS Map

Print

Parcel: << 06-7S-17-09925-127 (36731) >>

Aerial Viewer

Pictometry

Google Maps

Owner & Property Info

Result: 1 of 1

Owner	ROGERS GERALD L ROGERS JODIE L 787 SW HERON DR FORT WHITE, FL 32038		
Site	787 HERON DR, FORT WHITE		
Description*	SW1/4 & SW1/4 OF NW1/4 & SE1/4 OF NW1/4, EX 10 AC DESC ORB 973-50, EX 10 AC DESC IN ORB 983-2681 & EX 10.13 AC DESC IN ORB 992-2577 & EX 10 AC DESC ORB 997-966 & EX 10 AC DESC IN ORB 996-2849 & EX 10 AC DESC ORB 998-530 & EX 10.08 AC DESC ORB 1003-1616 & E ...more>>>		
Area	10.57 AC	S/T/R	06-7S-17
Use Code**	MOBILE HOME (0200)	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

2020 Certified Values		2021 Working Values	
Mkt Land	\$40,977	Mkt Land	\$41,302
Ag Land	\$0	Ag Land	\$0
Building	\$50,063	Building	\$52,593
XFOB	\$3,100	XFOB	\$3,100
Just	\$94,140	Just	\$96,995
Class	\$0	Class	\$0
Appraised	\$94,140	Appraised	\$96,995
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$94,140	Assessed	\$96,995
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$94,140 city:\$94,140 other:\$94,140 school:\$94,140	Total Taxable	county:\$96,995 city:\$0 other:\$0 school:\$96,995



Sales History

Show Similar Sales within 1/2 mile

Fill out Sales Questionnaire

Sale Date	Sale Price	Book/Page	Deed	V/I	Qualification (Codes)	RCode
2/12/2021	\$139,000	1430/1386	WD	I	Q	01

Building Characteristics

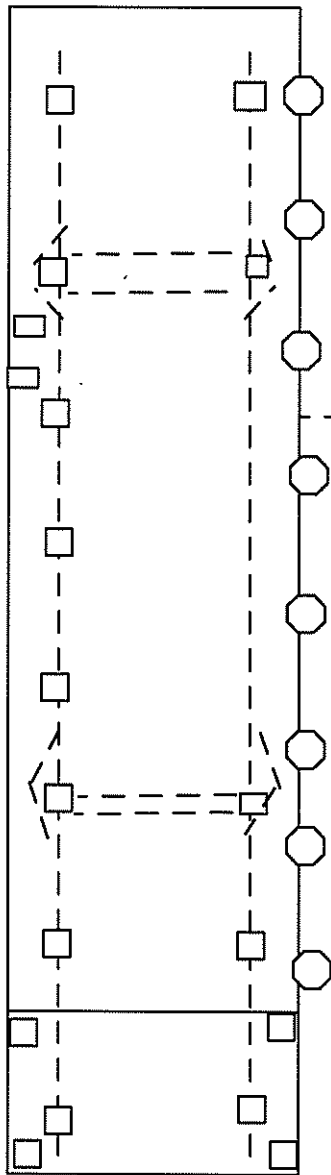
Bldg Sketch	Description*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	MANUF 1 (0200)	2000	2052	2052	\$52,593

*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
0294	SHED WOOD/VINYL	2013	\$1,200.00	1.00	0 x 0
0040	BARN,POLE	2013	\$700.00	1.00	0 x 0
0190	FPLC PF	2017	\$1,200.00	1.00	0 x 0

15'6"x 56' 1/8"=1' 5616-1CK-1B



skyline Homes

□ 17"x25" abs pad on 6'6"

○ 4' anchors on 5'4" oc

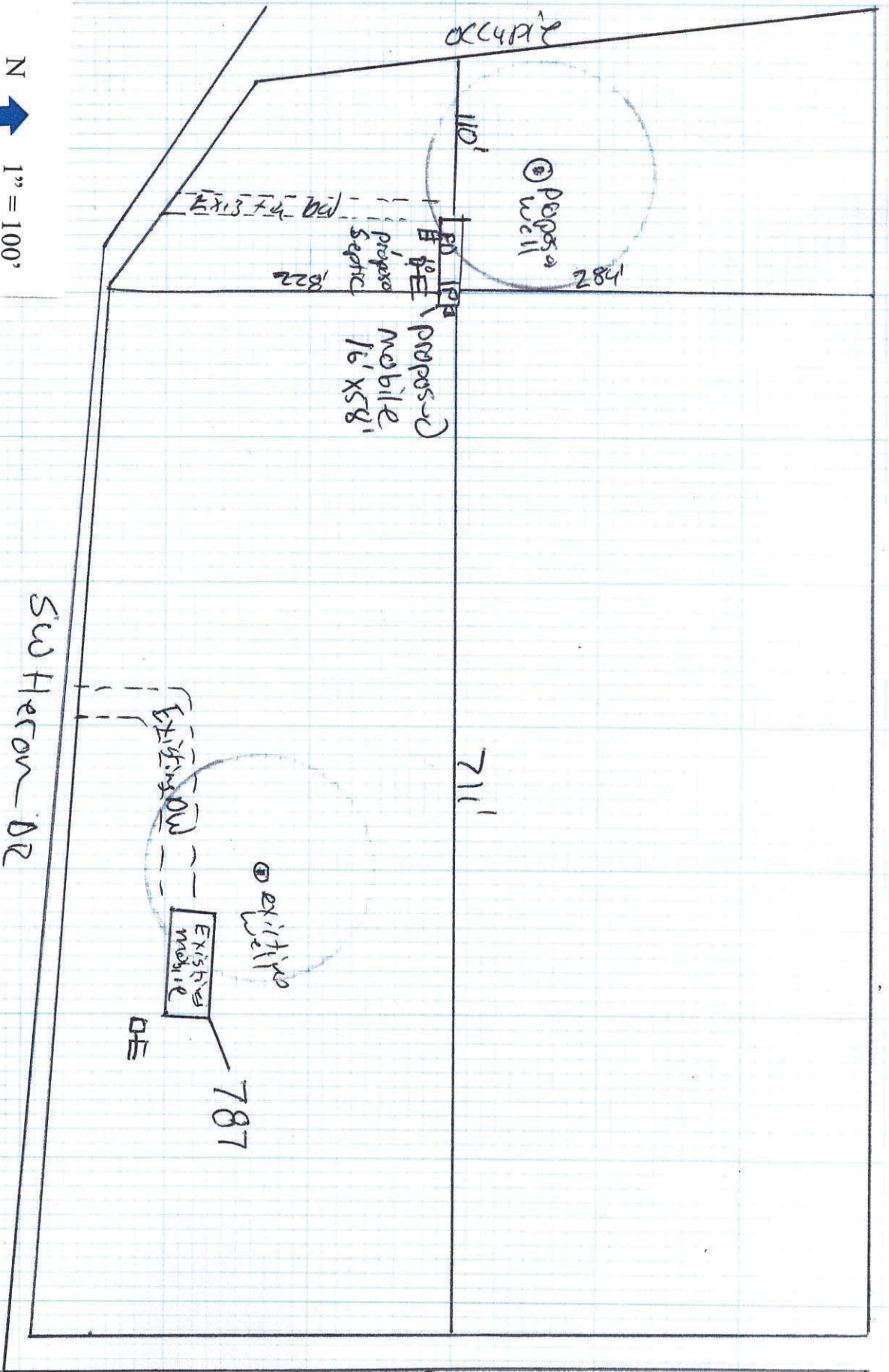
Oliver Technologies
longitudinal system

1500# soil

176 anchor torque

□ doors on 16 x 16 abs
830# load

52' 05' 00" for



N
1" = 100'
TBD SW HERON DR
FORT WHITE, FL 32038

HOME SIZE 16' X 48'
924' SQFT
804' SQFT A/C
120' SQFT NON A/C

FZ: X
HOME SET IN ZONE X
SETBACKS:
FR: 25'
R: 25'
S: 25'

LOT SIZE
10.57 ACRES
ZONED: MH0200

PARCEL ID:
06-7S-17-09925-127

ROGERS - PROJECT/FE
DRAWN BY: JUSTIN WINSLOW

7/20/2021



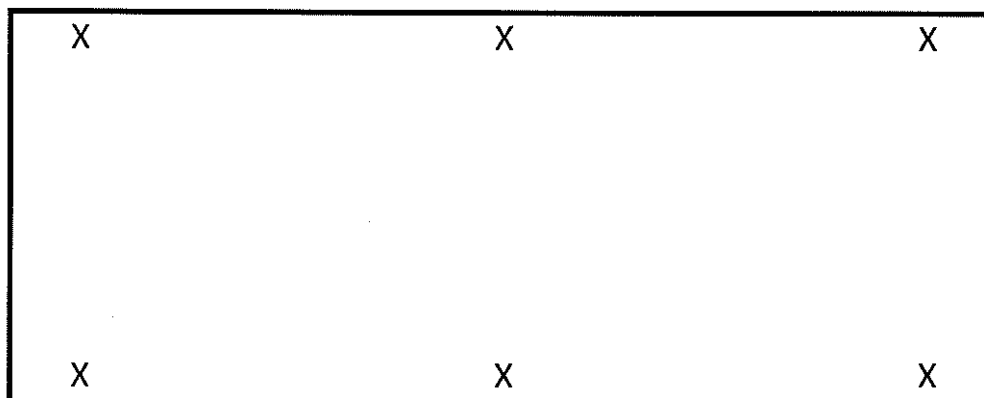
J&H Homes

PENETROMETER & TORQUE TEST

1500LBS
X 176 IN LBS

1500LBS
X 176 IN LBS

1500LBS
X 176 IN LBS



1500LBS
X 176 IN LBS

1500LBS
X 176 IN LBS

1500LBS
X 176 IN LBS

ALL SIDEWALL ANCHORS WILL BE 4' UNLESS MANUFACTURER'S SPECIFICATIONS STATE OTHERWISE
ALL MATELINE AND SHEARWALL ANCHORS WILL BE 5' UNLESS MANUFACTURER'S SPECIFICATIONS STATE OTHERWISE

TEST THE PERIMETER OF THE HOME AT SIX (6) LOCATIONS

TAKE THE READING AT THE DEPTH OF THE FOOTER

USING 500LBS INCREMENT, TAKE THE LOWEST READING AND
ROUND DOWN TO THAT INCREMENT

ROBERT PUCKETT
ROBERT PUCKETT
OWNER
IH/1025336



J&H Homes

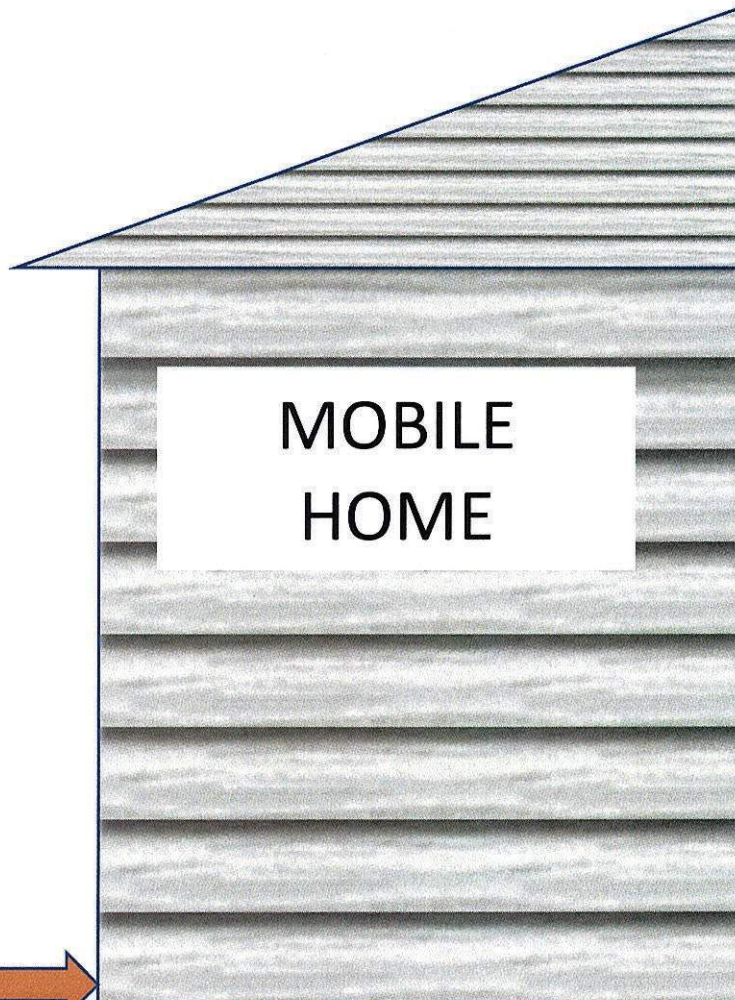
LAP TO GROUND INSTALLATION

FASTEN TOP FRONT RAIL W/ 1"
GALV. NAILS OR 3/4" #8 SCREWS
16" OC

GEORGIA-PACIFIC COMPASS 8" X
150" VINYL PANEL

2"X4"(METAL) BRACE SPACED 3'OC

FASTEN BOTTOM RAIL W/ 3/4 "
#8 SCREWS 16" OC
7' GAL. NAILS. 16 OC



CRAWL SPACE

GRADE



NOTE:

AN ACCESS PANEL 18"X24" MIN WILL BE PROVIDED TO ACCESS CRAWL SPACE. THE ACCESS PANEL WILL BE FASTENED W/ 1" LONG PHILLIPS HEAD SCREWS. ANY HOME WICH IS MORE THAN 36" ABOVE FINISH GRADE WILL HAVE VERTICAL 48" OC WIND STAYS

TYPICAL SECTION

1/2= 1'0

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.



State of Florida
**DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES**

TALLAHASSEE, FLORIDA 32399-0500

FRED O. DICKINSON, III
Executive Director

March 20, 2002

Mr. Bert A. Moore, Financial Manager
Manufactured Housing Foundation Systems
Oliver Technologies, Inc.
Post Office Box 9 (467 Swan Avenue)
Hohenwald, Tennessee 38462

Dear Mr. Moore:

We wish to acknowledge receipt of your specifications and test results certifying that your Longitudinal Stabilizing and Lateral Bracing System, 1101 V, listed below complies with the specifications and regulations set by the Department of Highway Safety and Motor Vehicles, Rules 15C-1.0105, 15C-1.0107 and 15C-1.0108, Florida Administrative Code.

Installation instructions must be available at the installation site.

MODEL #

DESCRIPTION

1101 V

Longitudinal Stabilizing and Lateral Bracing System

NOTE: This system is for replacement of longitudinal anchors. This system can only be used with sidewall anchor spacing of 5'4". Maximum strut angle 45°.

If you have any questions, please advise at (407) 623-1340.

Sincerely,

A handwritten signature in black ink, appearing to read "Phil Bergelt".

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

PRB:srb



State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES

April 26, 2007

ELECTRA THEODORIDES-BUSTLE
Executive Director

Mr. John Lower
Oliver Technologies, Inc.
P. O. Box 9
Hohenwald, Tennessee 38462

Dear Mr. Lower:

We wish to acknowledge receipt of your specifications and test results, certifying your mobile home Transverse and Longitudinal System – Wet Set and Dry Set Concrete Brackets, listed below, complies with the specifications and regulations set by the Department of Highway Safety and Motor Vehicles, Rules 15C-1.0105 and 15C-1.0107, Florida Administrative Code.

Based on the information submitted to this bureau, the following products are listed for sale and use in Florida when instructions are provided at the jobsite.

<u>MODEL #</u>	<u>DESCRIPTION</u>
1101CVW	Concrete full system wet bracket
1101CVD	Concrete full system dry set bracket
1101-W-CPCA	Concrete longitudinal system wet set bracket
1101-D-CPCA	Concrete longitudinal system dry set bracket
1101-W-TACA	Concrete transverse system wet set bracket
1101-D-TACA	Concrete transverse system dry set bracket

If you have any questions, please advise at (407) 445-7408

Sincerely


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

PB/cb

OLIVER

Technologies, Inc.



467 Swan Ave • Hohenwald, TN 38462 • (800) 284-7437 • www.olivertechnologies.com • Fax (931) 796-8811

OLIVER TECHNOLOGIES, INC.

INSTALLATION INSTRUCTIONS FOR FLORIDA

MODEL 1101 "V" SERIES ALL STEEL FOUNDATION SYSTEM PAN & CONCRETE (revision 5/18)

PATENT# 6634150 & OTHER PATENT PENDING



**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

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

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

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.

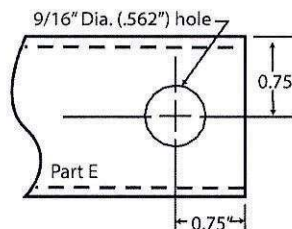
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101 L "V")

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.)	1.50" Tube Length
14" to 18"	20"
18" to 25"	28"
24" to 35"	39"
30" to 40"	44"
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.

Page 1

PATENT# 6634150 & OTHER PATENT PENDING

Revision 08/23/18



INSTALLATION USING CONCRETE RUNNER/ FOOTER

15. A concrete runner, footer or slab may be used in place of the steel ground pan.
 - 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 8" deep with a minimum width of 16 inches longitudinally or 18 inches transverse to allow proper distance between the concrete bolt and the edge of the concrete (see below).
 - c) Footers must have minimum surface area of 441 sq. in. (i.e. 21" square), and must be a minimum of 8" deep.
 - d) If a full slab is used, the depth must be a 4" minimum. Special inspection of the system bracket installation is not required. Footers must allow for at least 4" from the concrete bolt to the edge of the concrete.

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

LONGITUDINAL: (Model 1101 LC "V")

16. When using Part# 1101-W-CPCA (wetset) simply install the bracket in runner/footer **OR** When installing in cured concrete use Part# 101-D-CPCA (dryset). The 1101 (dryset) CA bracket is attached to the concrete using (2) 5/8"x3" concrete wedge bolts (Simpson part # S162300H 5/8" X 3" or Powers equivalent). Place the CA bracket in desired location. Mark bolt hole locations, then using a 5/8" diameter 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 into drilled holes, then place 1101 (dry set) CA bracket onto wedge bolts and start wedge bolt nuts. 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 sleeve of concrete wedge bolt needs to be at or below the top of concrete. Complete by tightening nuts.

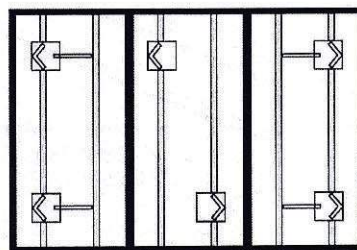
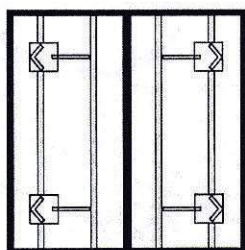
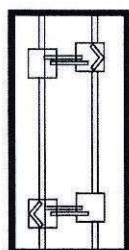
LATERAL: (Model 1101 TC "V")

17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TACA) 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 #S162300H 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 sleeve of concrete wedge bolt needs to be at or below the top of concrete.
18. When using part# 1101 CVW (wetset) or 1101 CVD (dryset), install per steps 17 & 18.

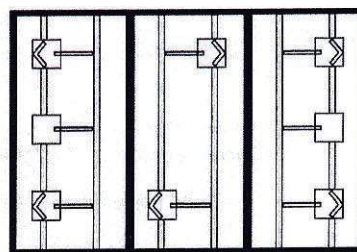
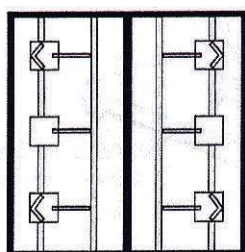
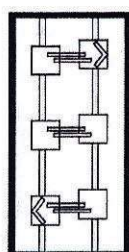
Notes:

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'

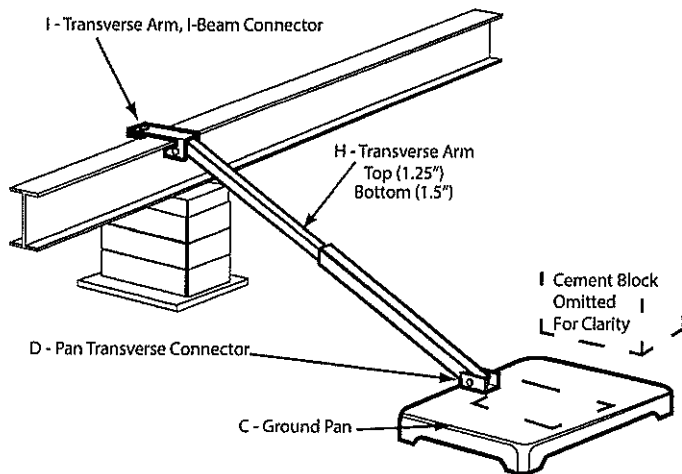


ALL WIDTHS AND LENGTHS OVER 52' TO 80"

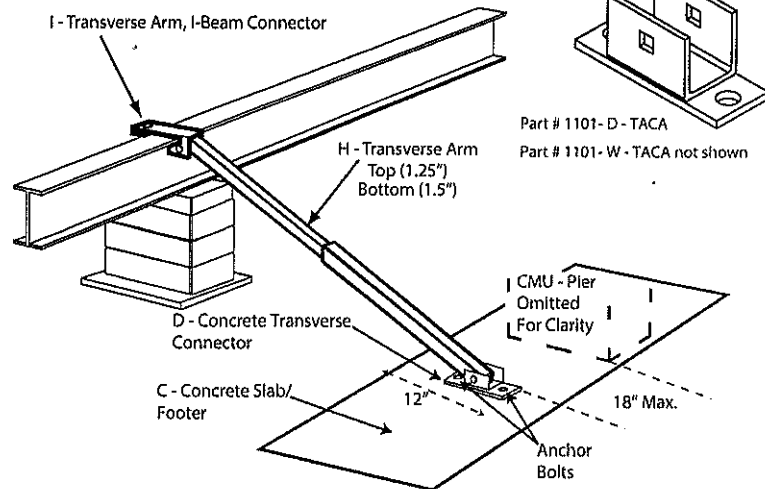


HOMES WITH 5/12 ROOF PITCH REQUIRE: PER FLORIDA REGULATIONS
6 systems for home lengths up to 52' and 8 systems for homes over 52' and up 80'.

PATENT# 6634150 & OTHER PATENT PENDING



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)

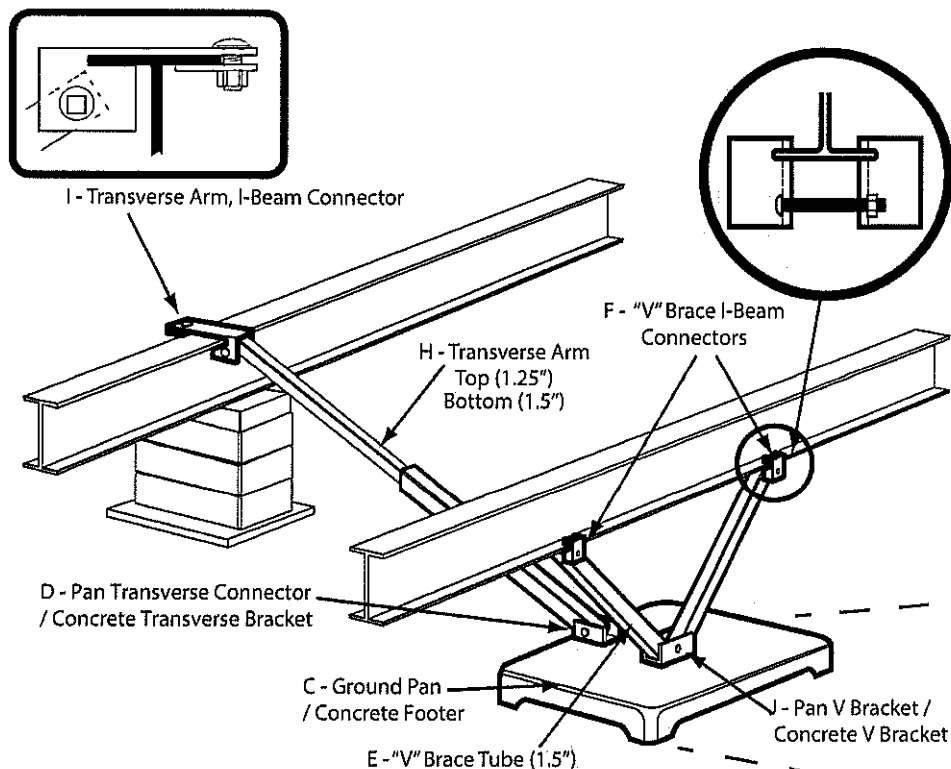
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

F = "V" BRACE I-BEAM CONNECTOR ASSEMBLY

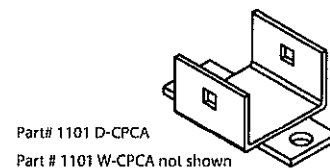
H = TELESCOPING TRANSVERSE ARM ASSEMBLY

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"



Installation Instructions for 1100 "V" Series All Steel Foundation System

SPECIAL CIRCUMSTANCES: If following conditions occur - STOP! Contact Oliver Technologies at 1-800-284-7437 for further instructions:

- a) Pier (system) height exceeds 48" b) Roof eaves exceed 16" c) Roof pitch greater than 7/12 d) Location is within 1500 feet of coastline
- e) Soil conditions less than 4B f) Thick and wide I Beam attachments are available.

INSTALLATION OF GROUND PAN FOR DIRT SET (IV)

- 1) Remove weeds and debris in an approximate three foot square to expose firm, level undisturbed soil or controlled fill for each ground pan. The 1100 V Pan is equivalent to a 21 x 21 footing. Top of ground pan (C) must be installed at ground level or per local jurisdiction.
- 2) Place center ground pan (C) directly below chassis I-beam. Press or drive pan completely into soil until flush with or below soil.

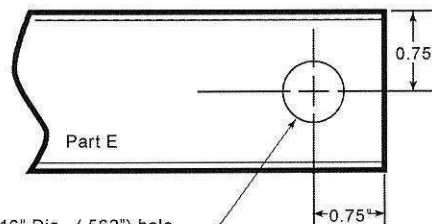
SPECIAL NOTE: The longitudinal "V" brace system serves as a pier under the home and should be loaded as any other pier. It is recommended that after leveling piers, and one-half inch (1/2") before home is lowered completely onto piers, complete items 3 through 7 below.

INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM

- 3) Select the correct square tube brace (E) length for set-up (pier) height at support location.

PIER HEIGHT (Approx. 40-60 degrees Max.)	1.5" Tube Length
14" to 18"	20"
18" to 25"	28"
24" to 35"	39"
30" to 40"	44"
36" to 48"	54"

PIER HEIGHT = the dimension from the top of the pan to the bottom of the I-Beam



- 4) Install both of the 1.5" square tubes (E) into the "V" bracket (J), insert carriage bolt and leave nut loose for final adjustment.
- 5) Place I-beam connector (F) loosely on the bottom flange of the I-beam.
- 6) Attach the selected 1.5" tubes (E) to the I-beam connectors (F) and fasten loosely with bolts and nuts. NOTE: The ground pan must be level in both directions to ensure the angle markings on the center point connector are correct from the horizontal plane of the pan. The angle is not to exceed 60 degrees and not less than 40 degrees. The "V" bracket (J) is stamped with the angles to verify correct degree. Use proper length tube or cut and drill tube to achieve proper length. (The tube may be cut using any appropriate steel cutting method such as steel saw, cutting torch, etc. New holes must be drilled to the dimension and at the location as shown for part (E).
- 7) Using standard hand tools, tighten all nuts and bolts. When connecting the brace tube to the model 1100-10-P I-beam connector bracket, tighten at least one and a half to two full turns past hand tight.

INSTALLATION OF (LATERAL) TELESCOPING TRANSVERSE ARM SYSTEM (1100 ITV)

- 8) Select the correct transverse arm (H). The 60" sections are standard. The 72" sections are used on frame widths greater than 99.5".
- 9) Install the 1.5" transverse brace (H) to the ground pan connector (D) with the bolt and nut.
- 10) Slide 1.25" transverse brace into the 1.5" brace and attach to adjacent I-beam connector (I) with bolt and nut.
- 11) Secure 1.5" transverse arm to 1.25" transverse arm using four (4) 1/4" - 14 x 3/4" self-tapping screws in pre-drilled pilot holes.

INSTALLATION USING CONCRETE (ICV)

The concrete footer, runner or slab may be of any shape, that has a minimum of 2900 cu. in., with a minimum depth of 3.5" (dry set) or 6" (wet set), at each system location. The surface of the footing shall be large enough to support the pier load and allow at least 4" from the concrete bolt to the edge of the concrete (ie. 22"x22"x6" footer). The concrete shall be a minimum of 2500 psi mix (pre-blended sacked concrete mix is acceptable). Special inspection of footing is not required. If the 1100 ITC transverse system, (D (W or D) bracket only) is to be installed without the use of the 1100 ILC (V) longitudinal system (J (W or D) bracket), it MUST be installed within 18" of pier.

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

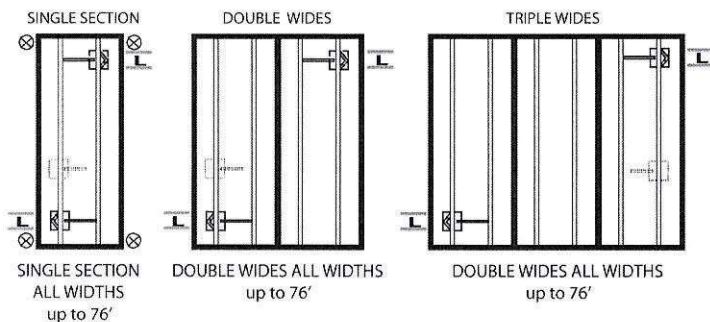
LONGITUDINAL (V)

When using the 1100 wet set J(W) bracket, simply install the bracket in runner/footer OR when installing in cured concrete, use the 1100 dry set J(D) bracket. The 1100 dry set J(D) bracket is attached to the concrete using (2) 1/2" X 3" concrete wedge bolts. Place the bracket in desired location. Mark bolt hole locations, then using a 1/2" masonry bit, drill a hole to a minimum depth of 3". Be sure all dust is blown out of the holes. Place wedge bolts into drilled holes, then place 1100 J(D) bracket onto wedge bolts and start wedge bolt nuts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (Do not hit the top of threads on bolt). Complete by tightening the nuts.

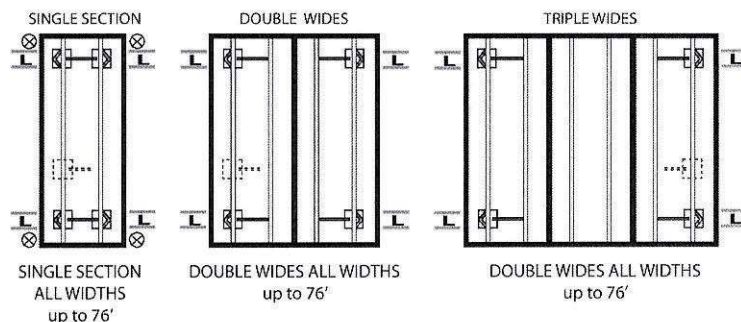
LATERAL (Transverse Arm)

For wet set installation set the transverse connector bracket D(W) into runner/footer at desired location. For dry set installations, the transverse connector bracket D(D) is attached to the concrete using (2) 1/2" X 3" concrete wedge bolts. Mark bolt hole locations, then using a 1/2" masonry bit, drill a hole to a minimum depth of 3". Be sure all dust is blown out of the holes. Place wedge bolts into drilled holes, then place transverse connector bracket J(D) bracket onto wedge bolts and start wedge bolt nuts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (Do not hit the top of threads on bolt.) Complete by tightening the nuts.

REQUIRED NUMBER AND LOCATION OF MODEL 1100 "V" SERIES BRACES FOR 4/12 & 5/12



REQUIRED NUMBER AND LOCATION OF MODEL 1100 "V" SERIES BRACES FOR 6/12 & 7/12



(Length of house is actual box size)

LEGEND:

1. - - Approximate location of the system (See note H)
2. - - Location of ASF Model 1100 "V" (Lateral and Longitudinal Bracing) or 1100 T (Lateral only)
3. - - Location of additional ASF Model 1100 T "V" System (Lateral only) for homes exceeding 76' in length or with roof pitch between 4.37/12 (20 degrees) and 5/12, the additional system is to be installed at approximately the midpoint of the house and may be installed at either exterior beam.
4. - - Installation of single wide homes require two (2) anchors per side located not more than ten (10) feet from each end (with a minimum of 3150 load rating)
5. - - Location of additional ASF Model 1100 T "V" System (Lateral only) for homes exceeding 76' in length, sidewall height exceeding 96' or with roof pitch between 6/12 & 7/12 the additional system is to be installed at approximately the midpoint of the house and may be installed at either exterior beam.

NOTE:

- a) Installation of the longitudinal system eliminates the need for the longitudinal anchors.
- b) Installation of the transverse system eliminates the need for all anchors, diagonal frame ties and stabilization plates except when noted. (Legend #5 & note C)
- c) All other home manufacturer's instructions for installation of stabilizing devices must be followed, including installation of vertical tie-down anchors, and mating line column, shear wall or center-line tie-down anchors. NOTE WIND ZONE II: ALL VERTICAL ANCHORS (NOT TO EXCEED 8' SPACING) MUST BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS!
- d) If the home manufacturer's installation instructions are not available, the home must be installed in accordance with any state promulgated rules or as required by the authority having jurisdiction.
- e) If bolts, nuts and tech screws are lost, they may be replaced as long as they meet or exceed the specs for OTI ASFS hardware.
- f) When the length of home exceeds 76', sidewall height exceeds 96' or the roof pitch is between 4.37/12 (20 degrees) and 5/12, add 1 transverse system (see location diagrams above) 6/12: a total of 4 Transverse & 3 Longitudinal systems are needed & 7/12: a total of 5 Transverse & 3 Longitudinal systems are needed. (Longitudinal portion only required when longitudinal bracing is required by home manufacturer).
- g) An alternative method using the 1100 CVD anchors (dry set) or 1100 CVW (wet set) may be used on a footing size of 16" diameter X 24" depth. These brackets are designed for lateral and longitudinal protection.
- h) It is recommended that the systems be installed at the 2nd pier in from each end of the house. However, they may be installed at any location at least 2 feet, but not more than 1/4 the house length, in from the ends of the home.

STATE OF MICHIGAN ONLY: As required by Section 1805.2 of the 200 Michigan Building Code, the depth of the footer shall be a minimum depth of 42 inches below grade, except that the authority having jurisdiction may approve a lesser depth based on known prevailing soil and weather conditions, or as provided by the exception under Section 1805.2.1 of the Code.

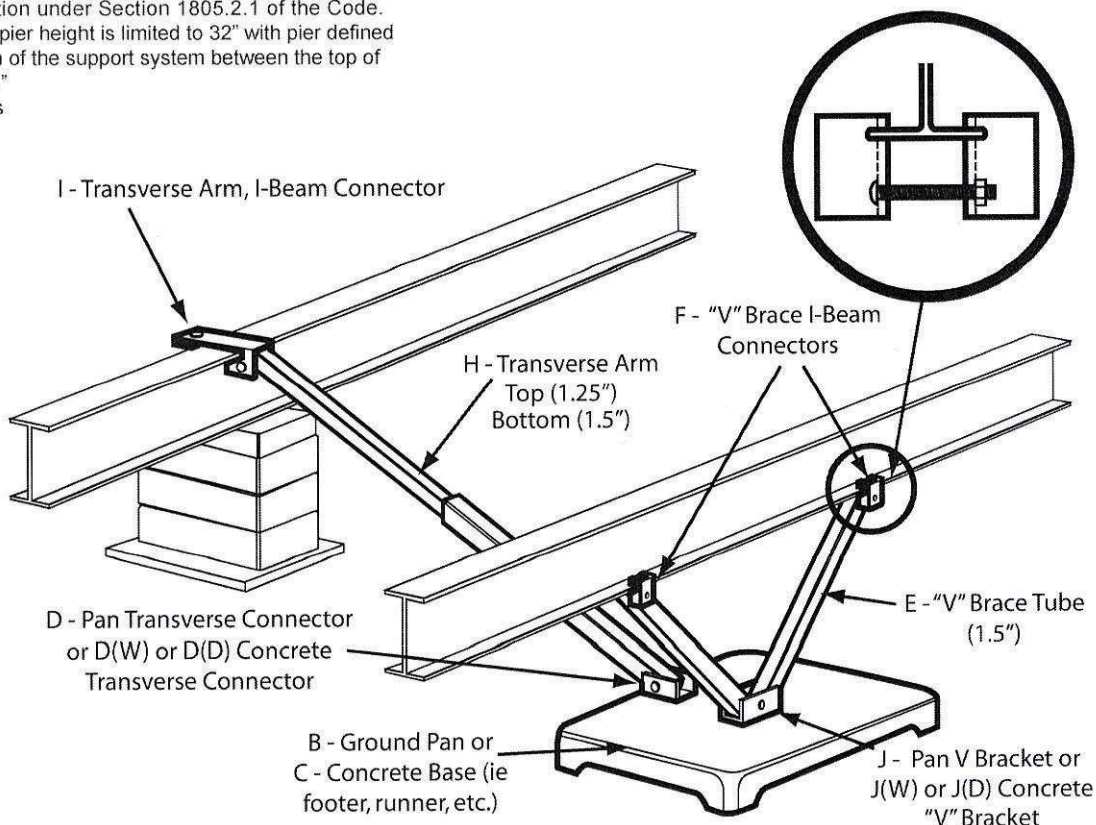
STATE OF ALABAMA ONLY: Maximum pier height is limited to 32" with pier defined in the Alabama Regulation as "that portion of the support system between the top of the footing and the bottom of the pier cap."
The State of Alabama limits the use of this system to H.U.D labeled homes.

STATE OF NORTH CAROLINA ONLY:

Tubing must be galvanized and, when the manufacturer's installation instructions are not available, vertical wall tie-downs must be installed not to exceed 8-feet on center. (Wind Zone II)

STATE OF IDAHO ONLY:

Concrete must be a minimum of 8" in depth.



OLIVER

467 Swan Ave
Hohenwald, TN 38462
(800) 284-7437
www.olivertechnologies.com

**For use on all Mobile and Manufactured Homes, including
HUD approved Homes and Modular Building
Patent #5503500 and other patents pending**

GENERAL INSTRUCTIONS:

1. All pads are to be installed flat side down, ribbed side up.
2. The ground under the pads should be leveled as smooth as possible with all vegetation and debris removed. Pads to be placed on evenly compacted soil, at or below the frost-line or otherwise protected from the effects of frost. Refer to NCSBCS/ANSI A225.1
3. Pier & pad spacing will be determined by the manufactured homes' written set-up instructions or any local or state codes.
4. Center blocks on ABS pad and complete pier.
5. The open cells between the ribbing on the upper side of the pads may be filled with soil or sand after installation to prevent any accumulation of stagnant water in the pads.
6. A pocket penetrometer may be used to determine the unconfined compressive strength of the soil. If no soil testing equipment is available – use an assumed soil value of 1000 lbs. / square foot.

NOTES:

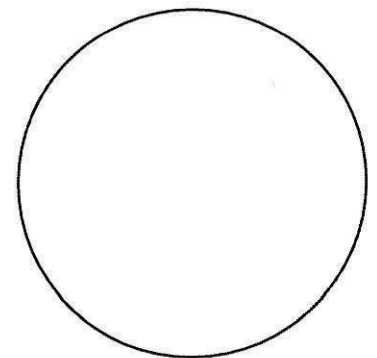
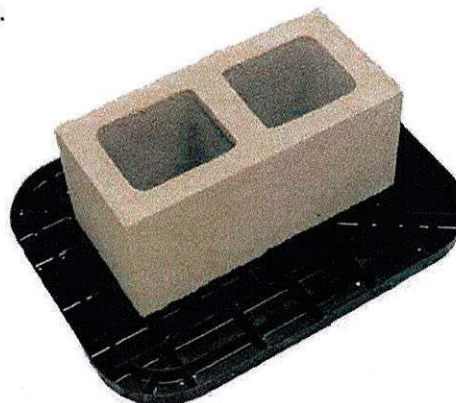
1. All pad sizes shown are nominal dimensions and may vary up to 1/8".
2. The maximum deflection in a single pad is 5/8" measured from the highest point to the lowest point of the top face.
(NOTE: Actual test results were less than 5/8")
3. Pad loads are the same when using single stack or double stack blocks.
4. The maximum load at any intermediate soil value may be interpolated between the next lower and next higher soil values given in the table below.
5. Any ABS pad configuration may be used to replace a home manufacturer's recommended concrete or wood base pad.
6. Steel Piers: All pads are tested with steel piers on 1000 PSF soil density unless otherwise noted. If required, attach with 2" #12 x 1/2" hex tech screws. Minimum Pier Base 7 1/4". Multi-Pad configurations require a minimum 9 1/4" pier base.
7. Available pads tested on 2000 PSF soil capacity using steel piers are: ID #1055-14, 1055-9, 1055-7 and 1055-13.
8. If soil capacities exceed 3000 psf, use the 3000 psf soil values from the table.
9. Any pad may be stacked directly on top of an identical pad. The second pad should also be installed flat side down. Such a configuration provides the same allowable load capacity as the single pad.

PAD SIZE	ID NO.	PAD AREA	1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
Oval 16" x 18.5"	1055-23	288 sq. in.	2000 lbs.	3000 lbs.	4000 lbs.	5000 lbs.	6000 lbs.
Oval 17" x 22"	1055-16	360 sq. in.	2500 lbs.	3750 lbs.	5000 lbs.	6250 lbs.	7500 lbs.
Oval 17.5" x 22.5"	1055-21	384 sq. in.	2667 lbs.	4000 lbs.	5334 lbs.	6667 lbs.	8000 lbs. *
Oval 17.5" x 25.5"	1055-17	432 sq. in.	3000 lbs.	4500 lbs.	6000 lbs.	7500 lbs.	9000 lbs. *
Oval 21" x 29"	1055-22	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *
Oval 23.25" x 31.25"	1055-20	675 sq. in.	4688 lbs.	7032 lbs.	9376 lbs. *	11720 lbs. *	14064 lbs. *

PAD SIZE	ID NO.	PAD AREA	1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
Square 16" x 16"	1055-14	256 sq. in.	1778 lbs.	2664 lbs.	3556 lbs.	4445 lbs.	5333 lbs.
Square 18.5" x 18.5"	1055-9	342 sq. in.	2375 lbs.	3550 lbs.	4750 lbs.	5935 lbs.	7100 lbs.
Square 20" x 20"	1055-7	400 sq. in.	2750 lbs.	4125 lbs.	5500 lbs.	6875 lbs.	8250 lbs. *
Square 24" x 24"	1055-13	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	8000 lbs. *	8000 lbs. *
Square 24" x 24"	1055-26	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *

* Indicates that Piers are required to be double blocked.
EXAMPLE: 16' x 80' section (Alabama only)

PAD SIZE	1000 PSF	2000 PSF
Oval 16" x 18.5"	3'0"	6'0"
Oval 17" x 22"	3'9"	7'6"
Oval 17.5" x 22.5"	4'0"	8'0"
Oval 17.5" x 25.5"	4'5"	8'0"
Oval 21" x 29"	6'0"	8'0"



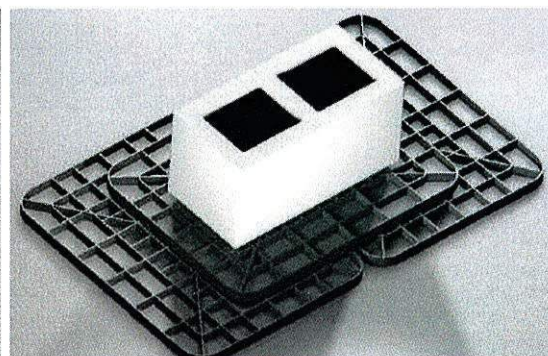
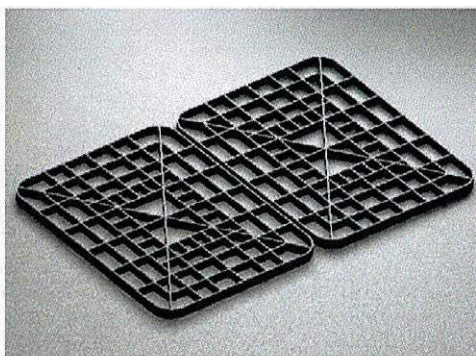
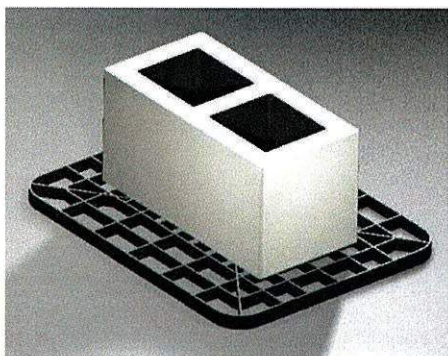
ENGINEER APPROVAL

Multi-Pad Configurations

ABS Pad Types			8" Cell Block		Soil Bearing Value	Maximum Load
Oval 16" x 18.5" Pad	2.00 Square Feet	ID # 1055-23	32" x 18.5" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	4000 lbs.
Oval 32" x 18.5" Pad Configuration (03)	4.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	8000 lbs. *
Oval 17" x 22" Pad	2.50 Square Feet	ID # 1055-16	34" x 22" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	5000 lbs.
Oval 34" x 22" Pad Configuration (03)	5.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	10000 lbs. *
Oval 17.5" x 25.5" Pad	3.00 Square Feet	ID # 1055-17	35" x 25.5" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	6000 lbs.
Oval 35" x 25.5" Pad Configuration (03)	6.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	12000 lbs. *

*Concrete blocks are only rated at 8000 pounds, 8001 pounds and higher must be double stacked.

PAD ASSEMBLY



STEP 1 - 17" x 22" ABS Pad

**STEP 2 - (2) 17" x 22" ABS PADS
(34" x 22" Configuration)**

**STEP 3 - Complete Assembly
34" x 22" Multi-pad Configuration**

NOTES:

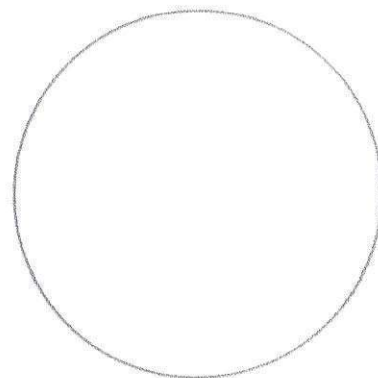
- General instructions (on reverse) apply to all multi – pad configurations.
- The 32" x 18.5" pad configuration is formed by using (3) 16" x 18.5" ABS Pads. Place (2) 16" x 18.5" side by side, and place (1) 16" x 18.5" on top, laid in the opposite direction to the bottom pads.
- The 34" x 22" pad configuration is formed by using (3) 17" x 22" ABS Pads. Place (2) 17" x 22" pads side by side, and (1) 17" x 22" pad on top. The top pad is laid in the opposite direction as the bottom pads.
- The 35" x 25.5" pad configuration is formed by using (3) 17.5" x 25.5" ABS Pads. Place (2) 17.5" x 25.5" pads side by side, and (1) 17.5" x 25.5" pad on top. The top pad is laid in the opposite direction to the bottom pads.

STATE SPECIFIC NOTES:

TEXAS: 17.5" x 22.5" ID #1055-21 and 23.25" x 31.25" ID #1055-20 may not be installed in the State of Texas. ID#1055-26 may not be used in conjunction with metal piers.

CALIFORNIA: Use an assumed value of 1000 lb/sq. ft. unless engineering and calculations are provided.

ALABAMA : For the State of Alabama all ABS pads shall not have more than 3/8" deflection. See chart on page one for details on correct installation in Alabama. The 23.25" x 31.25" ID#1055-20 may not be installed in the State of Alabama.



ENGINEER APPROVAL

2017

Florida Building Code

Residential Section

R311 and R312

STAIR DETAIL

R311.7.2 Headroom

R311.7.5.1 Riser Height

R311.7.5.2 Tread Depth

R311.7.8 Handrails

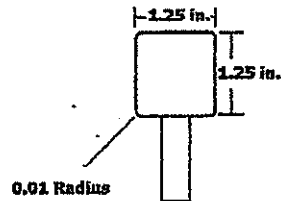
R311.7.8.2 Continuity

R311.7.8.3 Handrail Grip Size

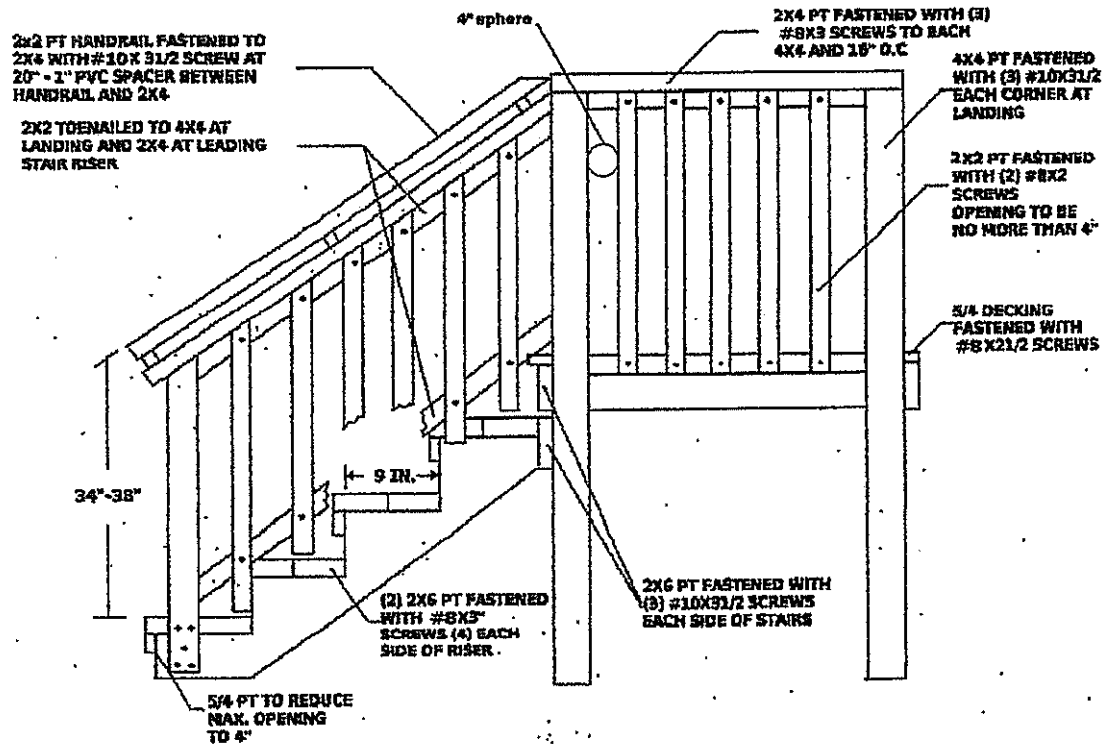
R312.1.2 Guards

R312.1.3 Guard Opening Limits

Noncircular Handrail



Handrail that is not circular must have a perimeter of 4 IN. Min. and 6.25 IN. Max. with a cross section dimension of 2.25 inches



STEP HAS A LANDING MEASUREMENT OF 40" X 40"

RISER HEIGHT IS 7 3/4" max.