

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 # 32-5S-17-09477-201 Subdivision PLEASEANT ACRES Lot# 1

▪ New Mobile Home X _____ Used Mobile Home _____ MH Size 28X76 Year 2022

▪ Applicant Brody Pack Phone # 503-689-6563

▪ Address 5683 153rd Road Live Oak, FL 32060

▪ Name of Property Owner Thomas John Locastro Phone# 954-683-0738

▪ 911 Address _____

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

▪ Name of Owner of Mobile Home Thomas John Locastro Phone # 954-683-0738

Address _____

▪ Relationship to Property Owner Same

▪ Current Number of Dwellings on Property 0

▪ Lot Size _____ Total Acreage 5.07

▪ 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 US-441 S towards Ellisville, Right on SW Howell Street right on SW Tustenuggee, Right on SW Grant Glen

▪ Name of Licensed Dealer/Installer Glenn Williams Phone # 386-344-3669

▪ Installers Address _____

▪ License Number IH1054858 Installation Decal # _____



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 AGENT AUTHORIZATION

I, Glenn Williams Jr., give this authority and I do certify that the below
Installers Name

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	Agents Company Name
Broderrick Pack		BKP Permitting

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)

111054858 2-19-21
License Number Date

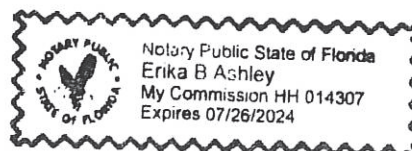
NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: Alachua

The above license holder, whose name is Glenn Williams Jr.
personally appeared before me and is known by me or has produced identification
(type of I.D.) _____ on this 19th day of February, 2021.

NOTARY'S SIGNATURE

(Seal/Stamp)



MOBILE HOME INSTALLATION SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Glenn Williams 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	<div>Print Name <u>Glenn Whittington</u> Signature <u>[Signature]</u></div> <div>License #: <u>EC13002957</u> Phone #: <u>503 689 6563</u></div> <div>Qualifier Form Attached <input checked="" type="checkbox"/></div>
MECHANICAL/ A/C _____	<div>Print Name <u>Ronald Bonds</u> Signature <u>[Signature]</u></div> <div>License #: <u>CAC1817658</u> Phone #: <u>503 689 6563</u></div> <div>Qualifier Form Attached <input checked="" type="checkbox"/></div>

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.

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.

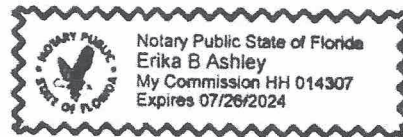
This authorization is to remain in effect indefinitely, unless cancelled by me in writing

Glenn Whittington

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

Erika Ashley
Notary public

My commission expires _____





March 16, 2022

STATE OF FLORIDA

PERMIT AUTHORIZATION LETTER

I, RONALD E BONDS, SR, Mechanical License number CAC1817658, Electrical License number EC13007246, hereby authorize the following to obtain a mechanical HVAC permit and corresponding HVAC wiring permit (if necessary) for ANY install in the STATE OF FLORIDA, on behalf of Style Crest, Inc.

Brody Pack

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

Contractor's Signature

Sworn to and subscribed before me this 16th day of March, 20 22

By RONALD E BONDS, SR who is personally known to me or has produced _____ as identification and who did/did not take an oath.

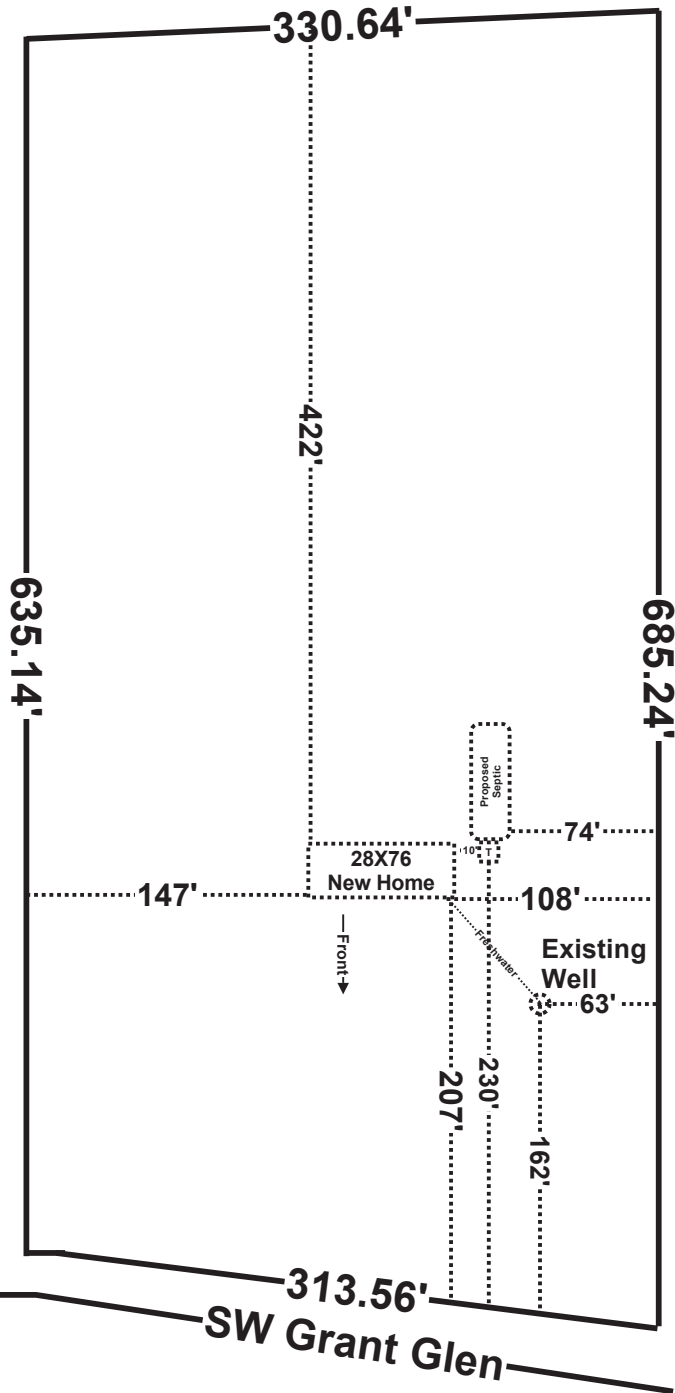
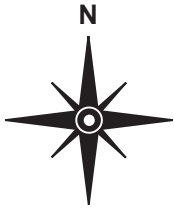
Notary Public

My commission expires: 2-7-26



Denise Reinbolt
Notary Public, State of Ohio
My Commission Expires:

2-7-26



Brody Pack
3/31/22

Thomas John Locastro
Parcel: 32-5S-17-09477-201
Lot 1 Pleasant Acres

5.07 Acres
Columbia County
Scale 1" = 100'

Columbia County Property Appraiser

Jeff Hampton

2022 Working Values

updated: 4/14/2022

Parcel: << 32-5S-17-09477-201 (34825) >>

Owner & Property Info

Result: 1 of 1

Owner	GUINTA ANN C LOCASTRO THOMAS JOHN 381 SW LAKE FOREST WAY PORT ST. LUCIE, FL 34986-2071		
Site			
Description*	LOT 1 PLEASANT ACRES S/D. 924-925, 963-2410, WD 1317-305, WD 1366-1792, WD 1366-1793, QC 1387-1985,		
Area	5.007 AC	S/T/R	32-5S-17
Use Code**	VACANT (0000)	Tax District	3

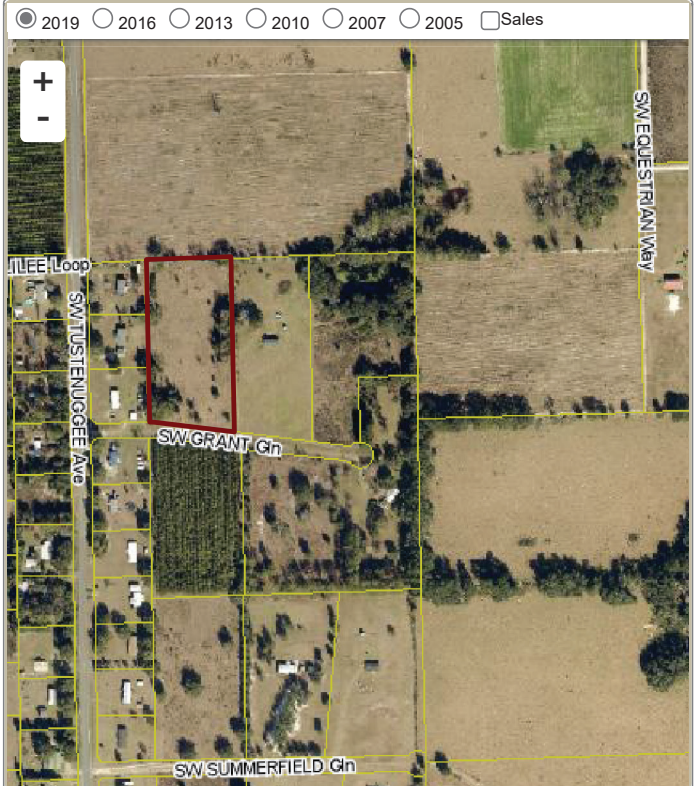
*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

**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

2021 Certified Values		2022 Working Values	
Mkt Land	\$30,042	Mkt Land	\$32,546
Ag Land	\$0	Ag Land	\$0
Building	\$0	Building	\$0
XFOB	\$0	XFOB	\$0
Just	\$30,042	Just	\$32,546
Class	\$0	Class	\$0
Appraised	\$30,042	Appraised	\$32,546
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$30,042	Assessed	\$32,546
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$30,042 city:\$0 other:\$0 school:\$30,042	Total Taxable	county:\$32,546 city:\$0 other:\$0 school:\$32,546

Aerial Viewer Pictometry Google Maps



Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Qualification (Codes)	RCode
6/24/2019	\$100	1387/1985	QC	V	U	11
8/9/2018	\$29,500	1366/1793	WD	V	Q	01
3/1/2011	\$22,500	1317/0305	WD	V	Q	01

Building Characteristics

Bldg Sketch	Description*	Year Blt	Base SF	Actual SF	Bldg Value
NONE					

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims
NONE					

Land Breakdown

Code	Desc	Units	Adjustments	Eff Rate	Land Value
0000	VAC RES (MKT)	5.007 AC	1.0000/1.0000 1.0000/ /	\$6,500 /AC	\$32,546

Search Result: 1 of 1



Address Assignment and Maintenance Document

To maintain the county wide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for addressing and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Services Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County

Date/Time Issued: **3/1/2022 9:56:19 PM**

Address: **185 SW GRANT GLN**

City: **LAKE CITY**

State: **FL**

Zip Code **32024**

Parcel ID **32-5S-17-09477-201**

REMARKS: **This address is a verified address in the county's addressing system.**

Verification ID: de474a11-307c-4d70-be2b-48bafab26d61

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION AND ACCESS INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION AND/OR ACCESS INFORMATION BE FOUND TO BE IN ERROR OR CHANGED, THIS ADDRESS IS SUBJECT TO CHANGE.

Address Issued By: **GIS Specialist**

Columbia County GIS/911 Addressing Coordinator

Columbia County
Department of Information Technology
135 NE Hernando Ave. Lake City, FL 32055
Telephone 386-719-1456



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

FW

PERMIT NO. 22-0208
DATE PAID: 311422
FEE PAID: 310.00
RECEIPT #: 1810374

APPLICATION FOR:

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

APPLICANT: Thomas Locastro

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: 546 SW Dortch Street, FT. WHITE, FL, 32038

=====

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) 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: 1 BLOCK: NA SUB: Pleasant Acres PLATTED: _____

PROPERTY ID #: 32-5S-17-09477-201 ZONING: _____ I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 5.007 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ <2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: 185 SW Grant Glen, Lake City, Fl

DIRECTIONS TO PROPERTY: TL onto US-41S, TR onto SW
Tustenugge Ave, TL onto SW Grant Glen

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
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1	SF Residential	4	1973	
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2

3

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: William D. Bishop II

DATE: 3/8/2022

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

Permit Application Number

23-0203

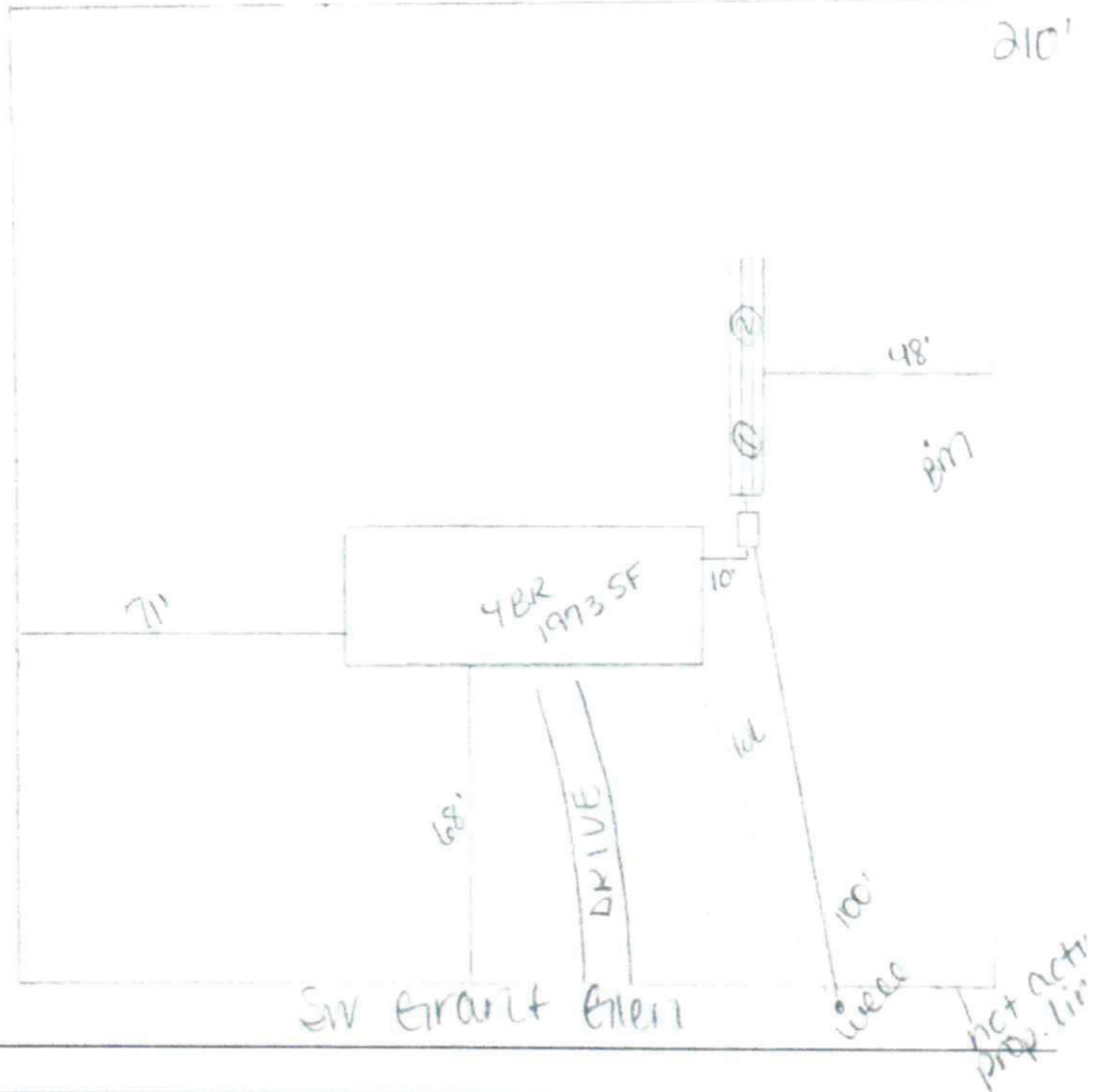
Locastro

PART II - SITEPLAN

Scale: 1 inch = 40 feet.

↑N

1 acre of 5.007



Notes:

1 acre of 5.007

Site Plan submitted by: William D. Bishop II

MASTER CONTRACTOR

Plan Approved ☒ Not Approved ☐

Date 3-8-22

By [Signature] ES2 Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Mobile Home Permit Worksheet

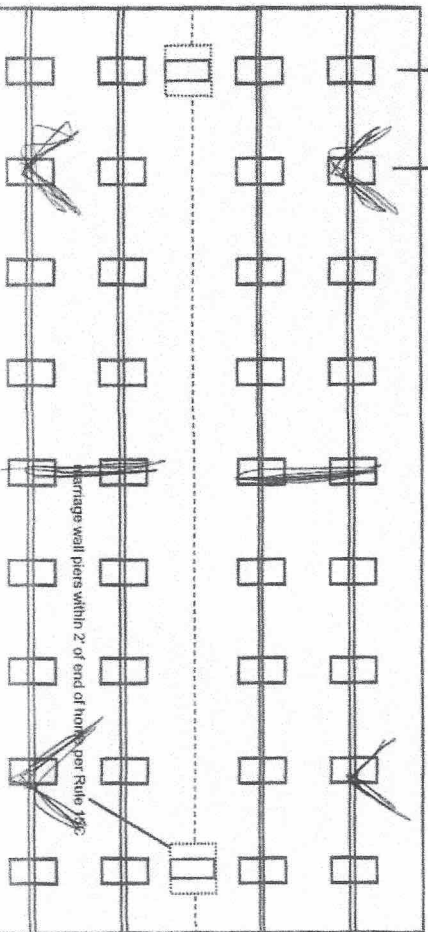
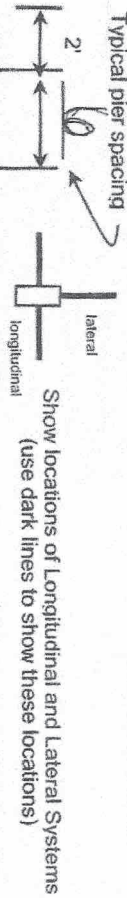
Installer : Glenn Williams License #JH1054858

Address of home being installed

Manufacturer Live Oak Length x width 76X28

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 GW



Application Number: Date:

New Home ☒ Used Home ☐

Home is 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 # 89019

Triple/Quad ☐ Serial # L0HGA10021903 AB

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	18 1/2" x 18 (342)	20" x 20" (400)	22" x 22" (484)	24" x 24" (576)	26" x 26" (676)
1000 psf	3'	4'	5'	6'	7'	8'
1500 psf	4' 6"	6'	7'	8'	8'	8'
2000 psf	6'	8'	8'	8'	8'	8'
2500 psf	7' 6"	8'	8'	8'	8'	8'
3000 psf	8'	8'	8'	8'	8'	8'
3500 psf	8'	8'	8'	8'	8'	8'

* interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

I-beam pier pad size 84X24

Perimeter pier pad size

Other pier pad sizes (required by the mfg.)

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

POPULAR PAD SIZES

Pad Size	Sq In
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

4 ft 5 ft

FRAME TIES

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

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)

Manufacturer Longitudinal Stabilizing Device w/ Lateral Arms Manufacturer

OTHER TIES

Sidewall Longitudinal Marriage wall Shearwall

Number

Mobile Home Permit Worksheet

Application Number: _____

Date: _____

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to 1500 psf or check here to declare 1000 lb. soil without testing.

x 1500 x 1500 x 1500

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.

x 1500 x 1500 x 1500

TORQUE PROBE TEST

The results of the torque probe test is 250 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.

Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Glenn Williams

Date Tested 3-29-22

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. _____

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. _____

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

Site Preparation

Debris and organic material removed _____
Water drainage: Natural _____ Swale _____ Pad _____ Other ☒

Fastening multi wide units

Floor: Type Fastener: W3 Length: 6 Spacing: 20"
Walls: Type Fastener: W3 Length: 6 Spacing: 20"
Roof: Type Fastener: W3 Length: 6 Spacing: 20"
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 GW

Type gasket Perm
Pg. 103

Installed: _____
Between Floors Yes _____
Between Walls Yes _____
Bottom of ridgebeam Yes _____

Weatherproofing

The bottomboard will be repaired and/or taped. Yes _____, Pg. _____
Siding on units is installed to manufacturer's specifications. Yes _____
Fireplace chimney installed so as not to allow intrusion of rain water. Yes _____

Miscellaneous

Skirting to be installed. Yes _____ No _____
Dryer vent installed outside of skirting. Yes _____ N/A _____
Range downflow vent installed outside of skirting. Yes _____ N/A _____
Drain lines supported at 4 foot intervals. Yes _____
Electrical crossovers protected. Yes _____
Other: _____

Installer verifies all information given with this permit worksheet is accurate and true based on the manufacturer's installation instructions and or Rule 15C-1 & 2

Installer Signature

Date

3-31-22



State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES

TALLAHASSEE, FLORIDA 32399-0500

FRED O. 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,

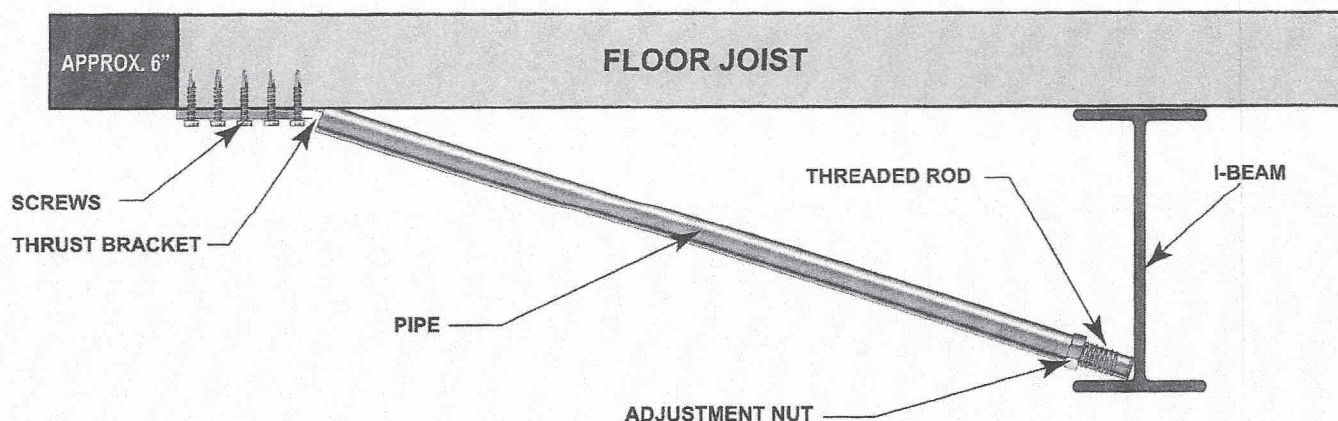
Phil Bergelt, Program Manager
Bureau of Mobile Home and
Recreational Vehicle Construction
Division of Motor Vehicles

PB:bsc



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:

6' 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 1,700 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

OLIVER

Technologies, Inc.

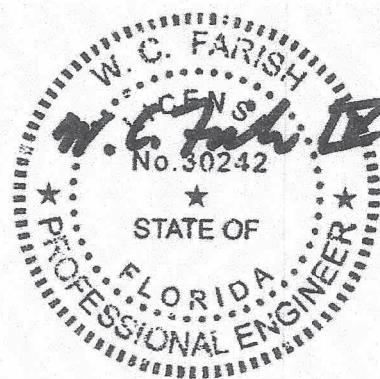


467 Swan Ave • Hohenwald, TN 38462 • (800) 284-7437 • www.olivertechnologies.com • Fax (931) 796-8811

**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



Aug 24, 2018



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")

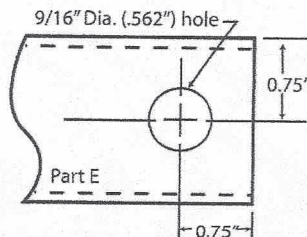
NOTE: WHEN INSTALLING THE LONGITUDINAL SYSTEM ONLY, A MINIMUM OF 2 SYSTEMS PER FLOOR SECTION IS REQUIRED. SOIL TEST PROBE SHOULD BE USED TO DETERMINE CORRECT TYPE OF ANCHOR PER SOIL CLASSIFICATION. IF PROBE TEST READINGS ARE BETWEEN 175 & 275 A 5 FOOT ANCHOR MUST BE USED. IF PROBE TEST READINGS ARE BETWEEN 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 1.25" 1.50"
 (40° Min. - 45° Max.) Tube Length 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 1.50"
 (40° Min. - 60° Max.) 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")

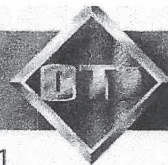
THE MODEL 1101 "V" (LONGITUDINAL & LATERAL PROTECTION) ELIMINATES THE NEED FOR STABILIZER PLATES & FRAME TIES.

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



INSTALLATION USING CONCRETE RUNNER/ FOOTER

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

- The concrete shall be minimum 2500 psi mix
- 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).
- Footers must have minimum surface area of 441 sq. in. (i.e. 21" square), and must be a minimum of 8" deep.
- 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 bolt 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")

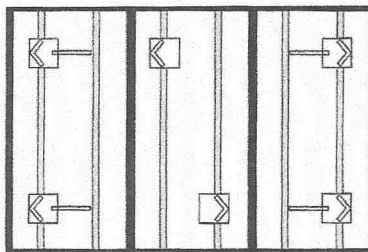
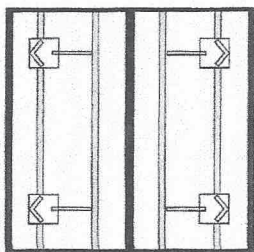
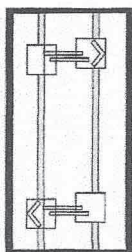
17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TACA) mark bolt hole locations, then using a 5/8" diam. masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the 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.

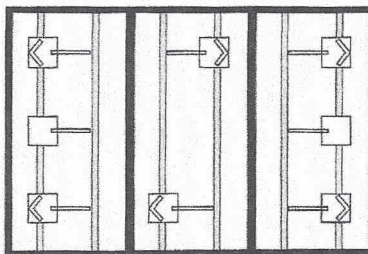
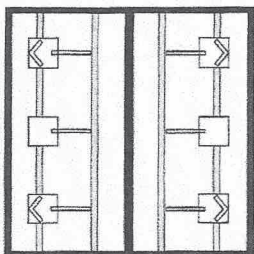
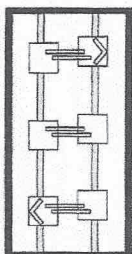
Notes:

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'

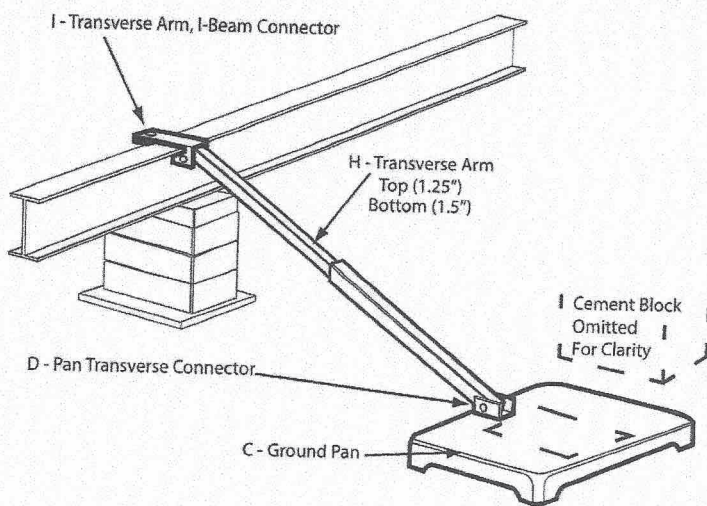


ALL WIDTHS AND LENGTHS OVER 52' TO 80"

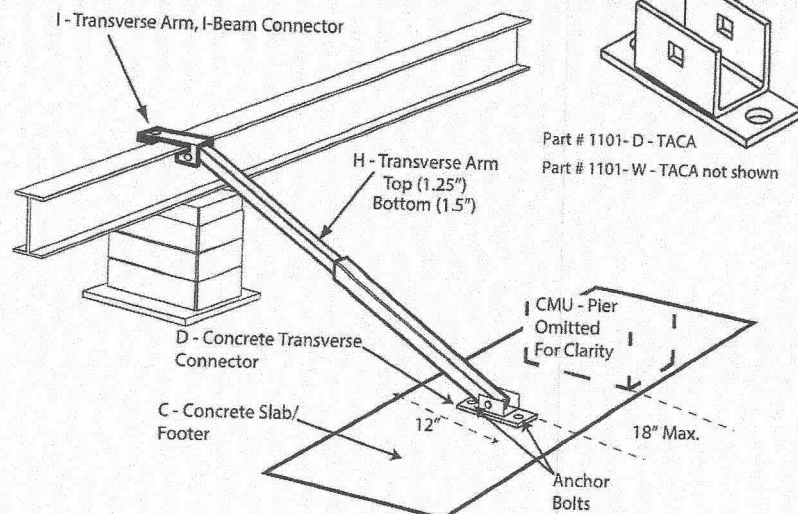


HOMES WITH 5/12 ROOF PITCH REQUIRE: PER FLORIDA REGULATIONS
6 systems for home lengths up to 52' and 8 systems for homes over 52' and up 80'.

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)

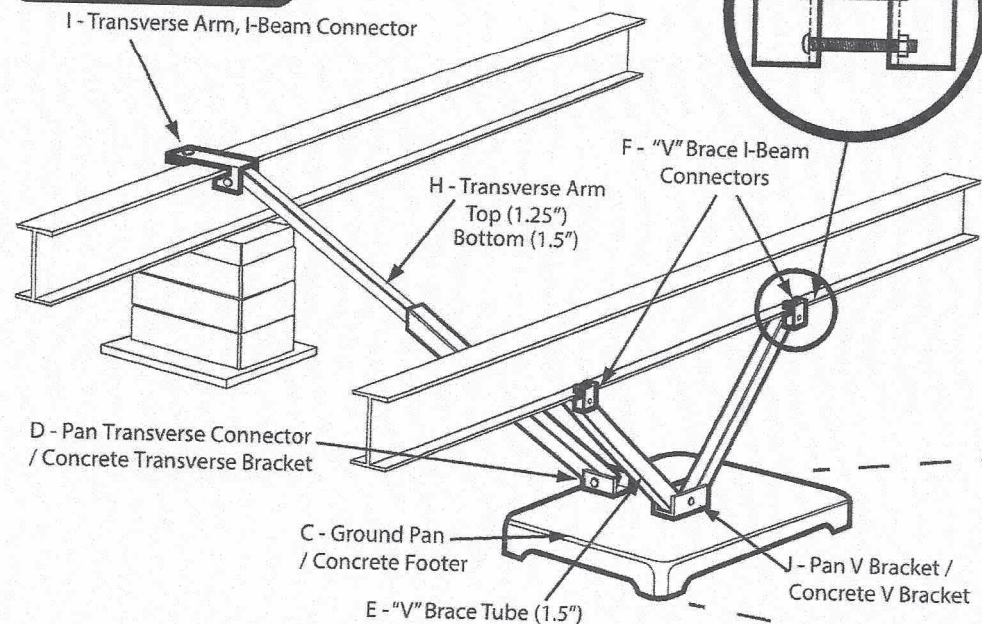
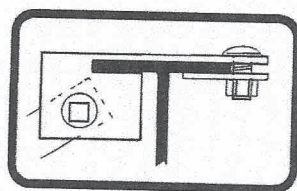
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

F = "V" BRACE I-BEAM CONNECTOR ASSEMBLY

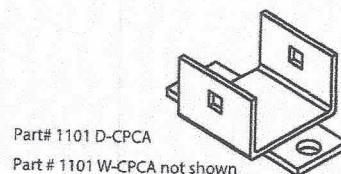
H = TELESCOPING TRANSVERSE ARM ASSEMBLY

I = TRANSVERSE ARM I-BEAM CONNECTOR (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)

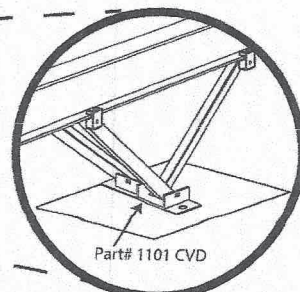
J = V PAN BRACKET (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)



Model # 1101 "V"



Part # 1101 D-CPCA
Part # 1101 W-CPCA not shown



Model # 1101 C "V"