Mobile Home Permit Worksheet

Application Number: _____ Date: 04/03/2023

Installer: James Hall License # IH1025175

Address of home being installed: 220 NE craig AVE, Lot 220 Lake city FL 32055

Manufacturer _____ Length x width 14x65

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 # 91864

Triple/Quad ☐ Serial # 68610959L

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.

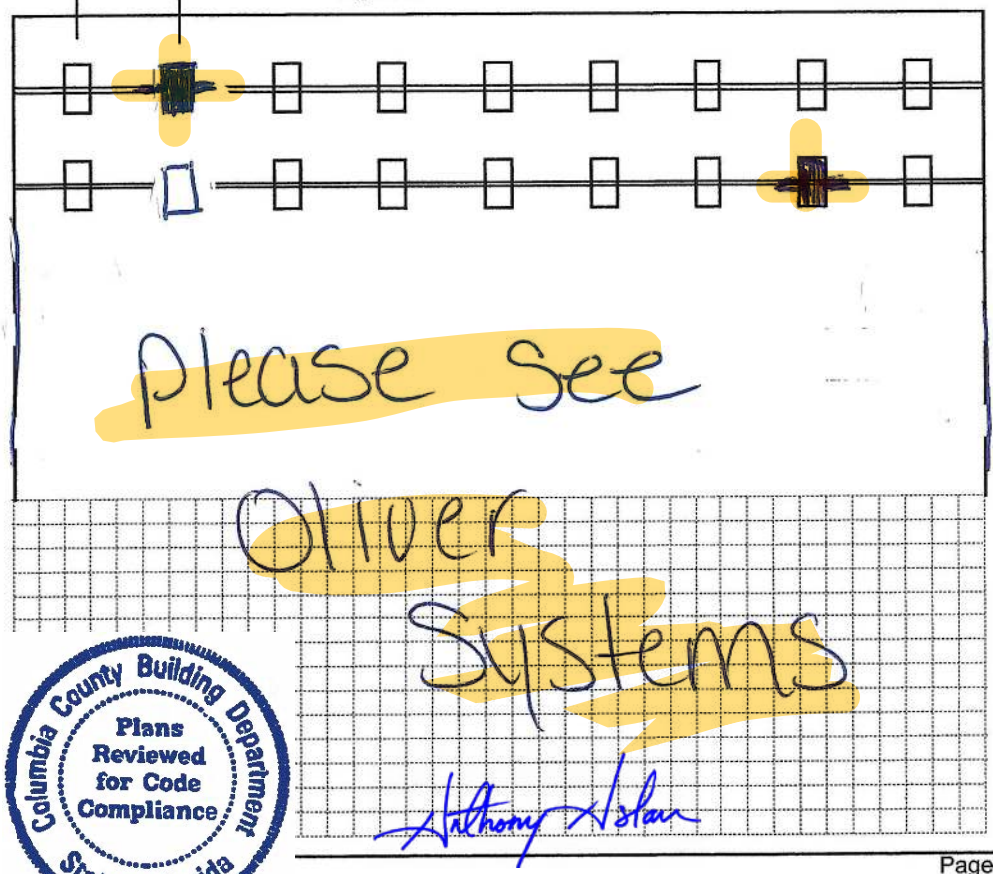
Installer's initials _____

Typical pier spacing 2' 7

lateral

longitudinal

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



Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

05-01-2023

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*	26" x 26" (676)
1000 psf		3'	4'	5'	6'	7'	8'
1500 psf		4' 6"	6'	7'	8'	8'	8'
2000 psf		6'	8'	8'	8'	8'	8'
2500 psf		7' 6"	8'	8'	8'	8'	8'
3000 psf		8'	8'	8'	8'	8'	8'
3500 psf		8'	8'	8'	8'	8'	8'

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

PIER PAD SIZES

I-beam pier pad size 24x24

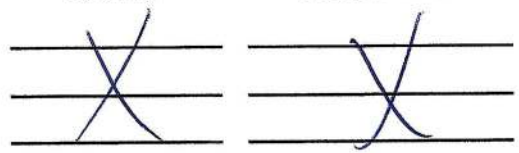
Perimeter pier pad size 11

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

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening | 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

	Number
Sidewall	
Longitudinal	✓
Marriage wall	
Shearwall	

Mobile Home Permit Worksheet

Application Number: _____ **Date:** 04/03/2023

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to Assume psf 1,000
or check here to declare 1000 lb. soil ✓ without testing.

x 1,000 x 1,000 x 1,000

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 1,000 x 1,000 x 1,000

Columbia County Building Department — Plans Reviewed for Code Compliance — State of Florida

TORQUE PROBE TEST

The results of the torque probe test is _____ inch pounds or check here if you are declaring 5' anchors without testing ✓. A test showing 275 inch pounds or less will require 5 foot anchors.

5Ft Anchors

Note: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb holding capacity.

_____ Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name James Hall

Date Tested 04/03/2023

Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between mult-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 N/A.
Water drainage: Natural _____ Swale _____ Pad ✓ Other _____.

Fastening multi wide units

Floor: Type Fastener: _____ Length: _____ Spacing: _____
Walls: Type Fastener: _____ Length: _____ Spacing: _____
Roof: Type Fastener: _____ Length: _____ Spacing: _____
For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, meldew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials

Type gasket N/A
Pg. _____

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

Single wide

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 N/A

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 : I am not installing skirting

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

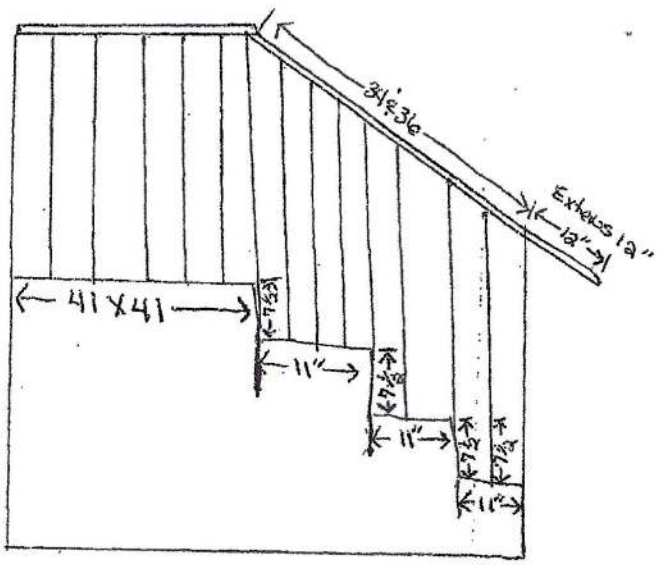
Installer Signature James Hall Date 04/03/2023

Floor Plan

East Lake city LLC
parcel # 33-35-17-06500-001

James Hall
04/03/2023

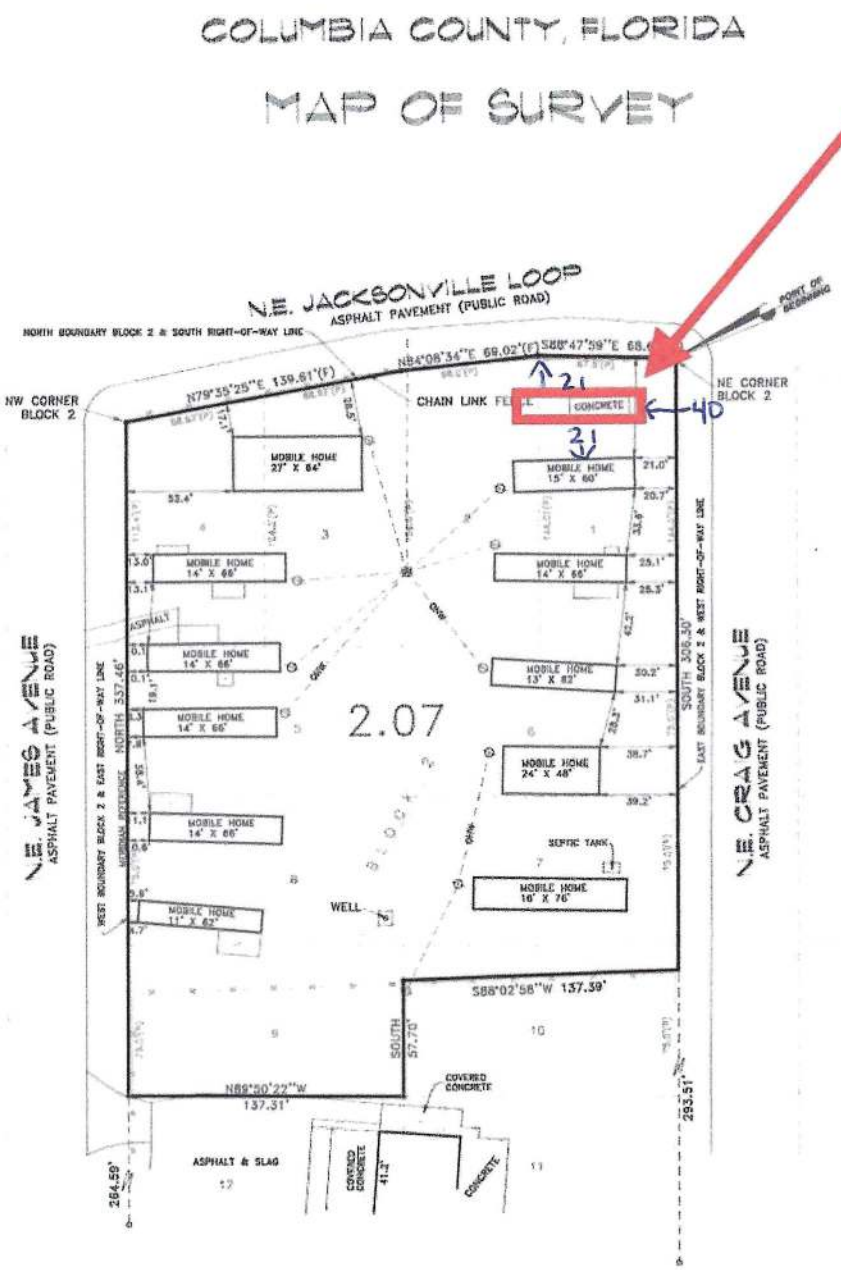
Standard Steps to code



Platform	41X41
Spindels	4" on center
treads	11"
risers	7½"

COLUMBIA COUNTY, FLORIDA

MAP OF SURVEY



GRAPHIC SCALE

(IN FEET)
1 INCH = 40'

LEGEND

W/C =	Witness Corner
F. =	Found
S. =	Set
I.P. =	Iron Pipe
I.R. =	Iron Rod
C.M. =	Concrete Monument
C. =	Capped
N.& D. =	Nail & Disk
P.K.N. =	P.K. Nail
R.R.S. =	Railroad Spike
(P) =	Plat
(F) =	Field
(D) =	Deed
(C) =	Calculated
P.P. =	Power Pole
C.L.F. =	Chain Link Fence
W.F. =	Wood Fence
OHW =	Overhead Wires

DESCRIPTION:

Lots 1, 2, 3, 4, 5, 6, 7, 8, 9 and a portion of Lot 10, Block 2, HIGHLAND ESTATES, as recorded in Plat Book 2, Page 114 of the Public Records of Columbia County, Florida, explicitly described as follows:

Commence at the NE corner of said Block 2 for the POINT OF BEGINNING; thence on the east boundary thereof, the same being the west right-of-way line of N.E. Craig Avenue, South, a distance of 306.30 feet; thence S88°02'58"W, a distance of 137.39 feet to the east boundary of said Lot 9; thence on said east boundary, South, a distance of 57.70 feet to the SE corner of said Lot 9; thence on the south boundary thereof, N89°50'22"W, a distance of 137.31 feet to the east boundary of said Block 2 and the west right-of-way line of N.E. James Avenue; thence on said boundary and said right-of-way line North, a distance of 337.46 feet to the NW corner of said Block 2; thence on the north boundary thereof and the south right-of-way line of N.E. Jacksonville Loop, the following three (3) courses, (1)N79°35'25"E, a distance of 139.81 feet; (2)thence N84°08'34"E, a distance of 69.02 feet; (3)thence S88°47'59"E, a distance of 68.67 feet to the POINT OF BEGINNING. Containing 1.90 acres, more or less.

Containing 2.07 acres, more or less.

NOTES:

1) Underground utilities and/or underground encroachments if any not located.

2) This survey was performed without the benefit of a "Title Search".

3) MERIDIAN BASED ON THE EAST R/W LINE OF JAMES AVE. BEARING NORTH ASSUMED.

4) There may be additional easements and/or restrictions not shown on this survey that can be found in the Public Records of Columbia County, Florida.

5) This survey was prepared expressly for the persons and or entities named and only for the original purpose, no other person or entity is entitled to use this survey for any purpose whatsoever without the express written consent of Darrell Copeland.

6) This survey is intended for sale, mortgage or refinance purposes only. Exclusively for this use by those to whom it is certified. This survey is not to be used for construction, permitting, design or any other use without the written consent of Darrell Copeland.

DARRELL COPELAND AS THE CERTIFYING LAND SURVEYOR, ACCEPTS NO RESPONSIBILITY FOR RIGHTS OF WAY, EASEMENTS, RESTRICTIONS, OR OTHER MATTERS AFFECTING TITLE TO LANDS SURVEYED, OTHER THAN THOSE RECITED IN CURRENT DEED AND/OR OTHER INSTRUMENTS OF RECORD FURNISHED BY CLIENT.

NOTE:
ALL CORNERS ARE
S.C.I.R.1/2"#4529

9-21-22 REVISED BOUNDARY TO EQUAL 2.07 ACRES.

PER THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAP COMMUNITY NO. 12023C PANEL NO. 03050 DATED 11-2-18 THE PROPERTY SHOWN AND DESCRIBED HEREON APPEARS TO BE IN ZONE X, WITH A BASE ELEVATION OF N/A MEAN SEA LEVEL N.A.V.D. 1988.

BOUNDARY & LOCATION SURVEY 7 20 22

I hereby certify that this plat accurately represents a survey of the lands shown and described hereon, and meets or exceeds the Minimum Standard Requirements of Chapter 5J-17 Florida Administrative Code pursuant to Chapter 472.

7-20-22
Darrell Copeland — Date
Professional Land Surveyor
Florida Certificate #4529

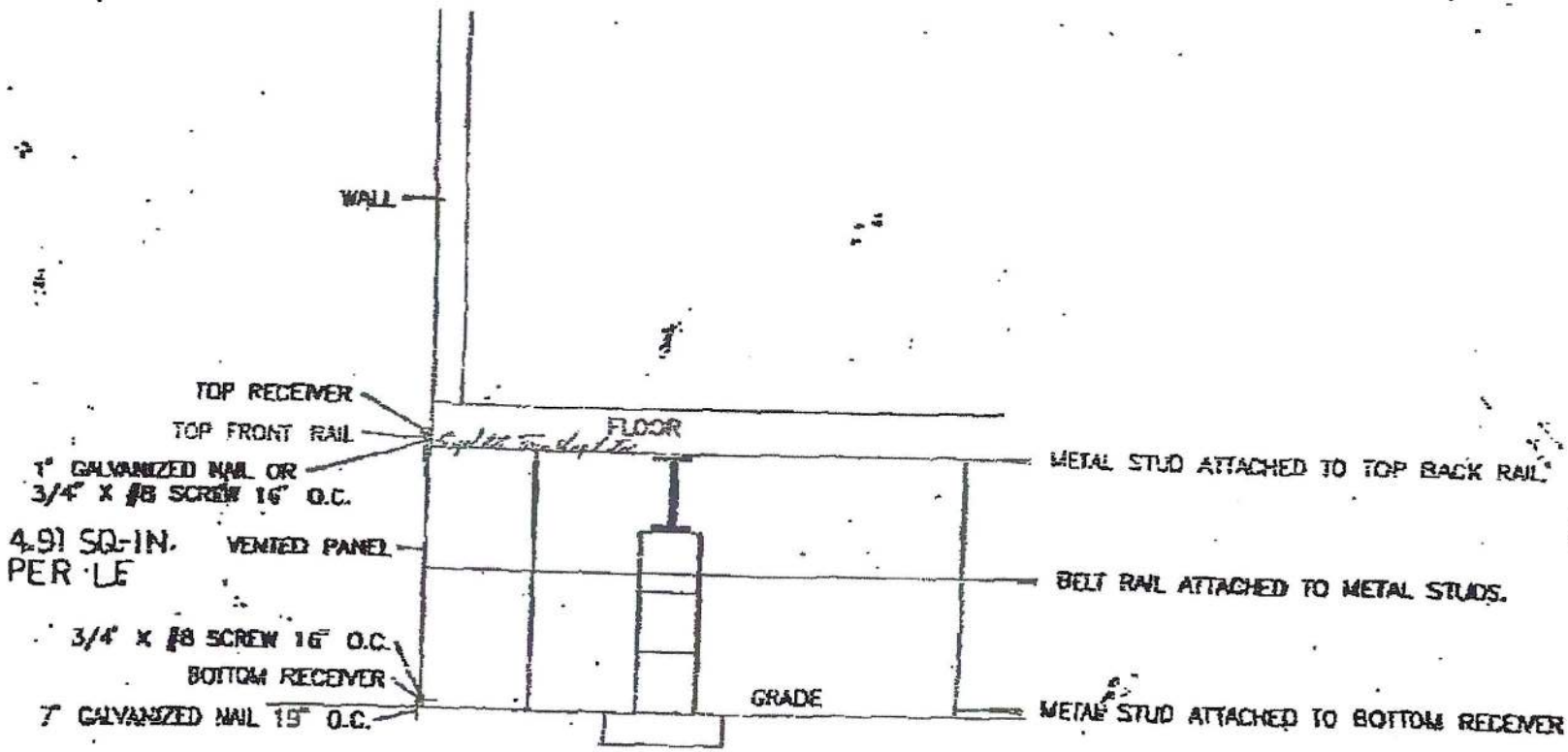
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

CERTIFIED TO:
OLISA PROPERTIES, LLC
INTEGRITY TITLE SERVICES, LLC
FIRST AMERICAN TITLE INSURANCE CO.

JOB NO. 22-001A

DARRELL COPELAND SURVEYING, INC.
LB#6141
7910 180TH STREET
McALPIN, FLORIDA 32062
(386) 209-4343 dsurvey1@aol.com

DRAWN	DATE	CHECKED	DATE
DWC	1-18-22	DARRELL	1-18-22
PARTY CHIEF	FIELD BOOK / FILE	PAGE	FILE NO.
DC			



TYPICAL CRAWL SPACE WALL SECTION

1/2" = 1'

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

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

ANY HOME HAVING IN EXCESS OF 36" HEIGHT MUST HAVE VERTICAL STUDS EVERY 48" WITH BELT RAIL INSTALLED FOR BLOW OUT PROTECTION.

OLIVER TECHNOLOGIES, INC.
467 Swan Avenue, Hohenwald, TN 38462
Phone : (800) 284-7437
Fax : (931) 796-8811
olivertechnologies.com

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.

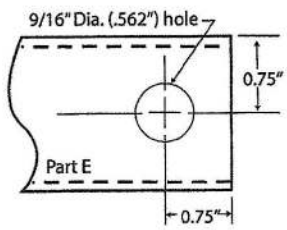
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101 L "V")

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.

PATENT# 6634150 & OTHER PATENT PENDING

OLIVER TECHNOLOGIES, INC.
467 Swan Avenue, Hohenwald, TN 38462
Phone : (800) 284-7437
Fax : (931) 796-8811
olivertechnologies.com

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")

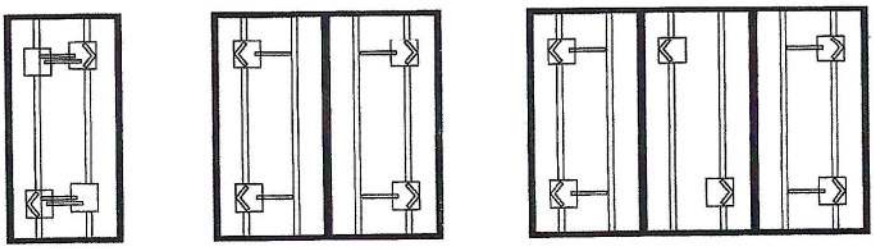
16. When using Part# 1101-W-CPCA (wetset) simply install the bracket in runner/footer **OR** When installing in cured concrete use Part# 101-D-CPCA (dryset). The 1101 (dryset) CA bracket is attached to the concrete using (2) 5/8"x3" concrete wedge bolts (Simpson part # S162300H 5/8" X 3" or Powers equivalent). 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")

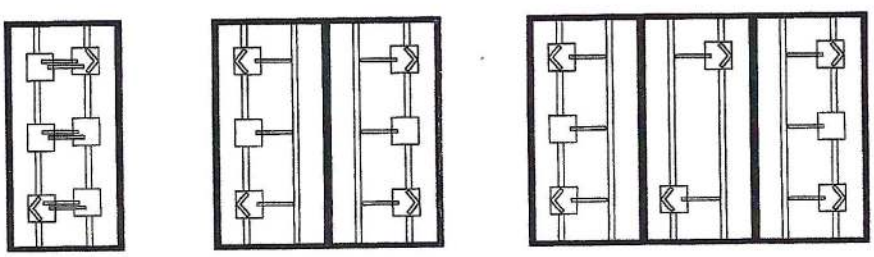
17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TACA) mark bolt hole locations, then using a 5/8" diam. masonry bit. drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the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

OLIVER TECHNOLOGIES, INC.
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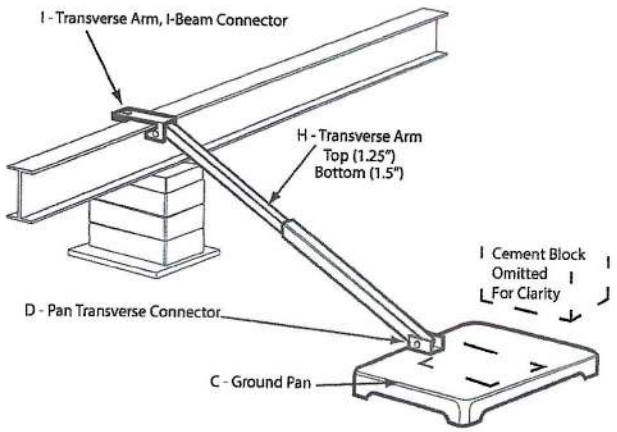
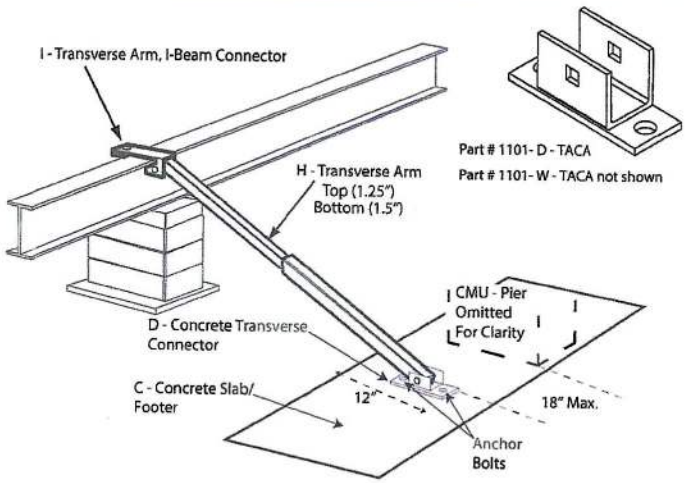


Model # 1101 T "V"



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)

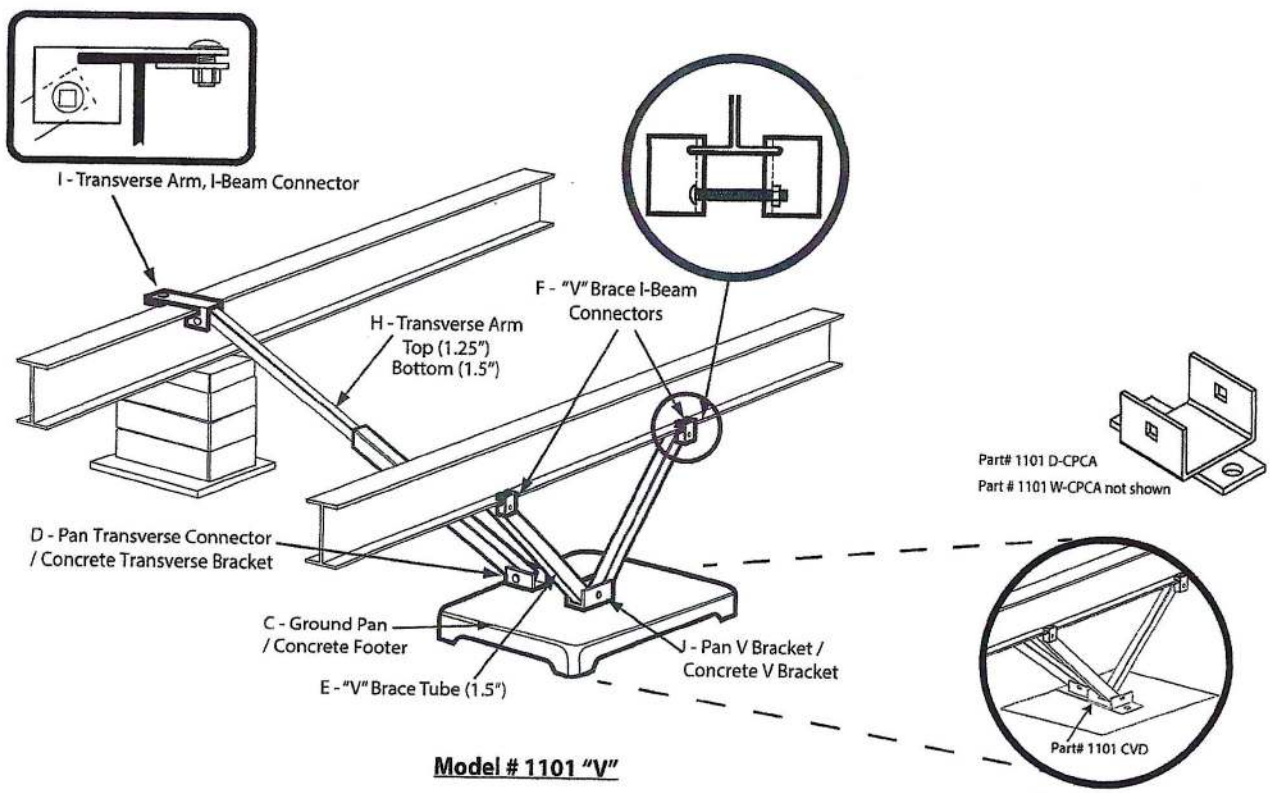
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

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"