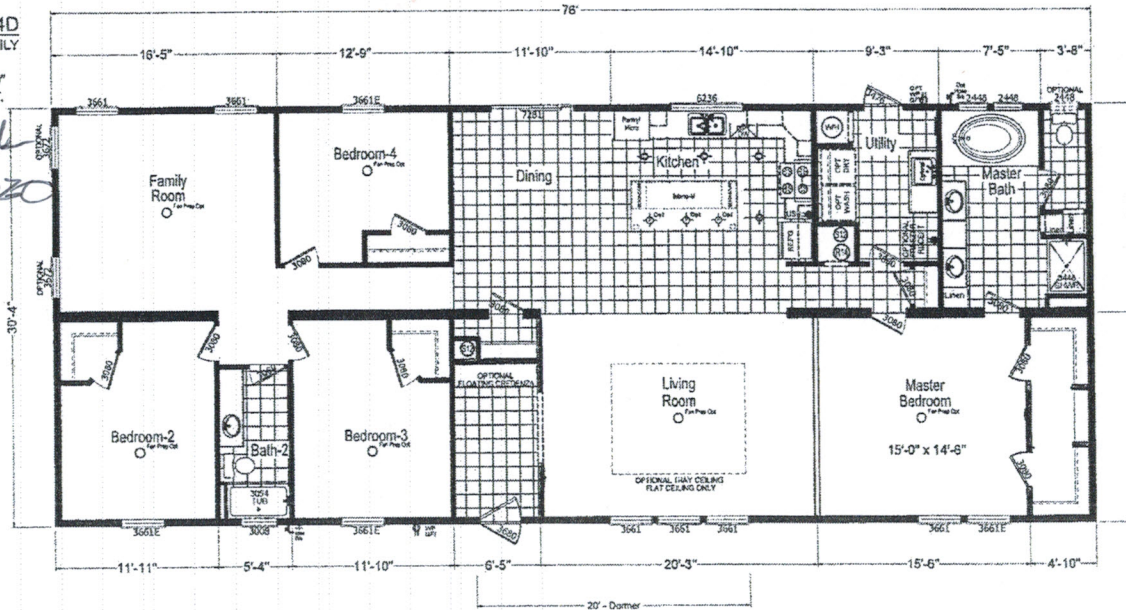


MODEL 261-C0764D
4 BEDROOM, 2 BATH, FAMILY
ROOM
ACTUAL SIZE: 30'-4" x 78'-0"
TOTAL AREA: 2,305 SQ. FT.

Robert Hymnall
66-02-2020



NOTE: ALL ELECTRICAL
SAME AS STANDARD

OPTIONAL TUB WITH PLATFORM
NOTE: ALL ELECTRICAL
SAME AS STANDARD

OPTIONAL RADIANT TUB
NOTE: ALL ELECTRICAL
SAME AS STANDARD

OPTIONAL 4760 SHOWER

OPTIONAL 67 SHOWER

OPTIONAL DOUBLE DOORS

OPTIONAL 52" TUB

OPTIONAL 52" TUB

OPTIONAL RECESSED ENTRY



OPTIONAL 52" TUB
OPTIONAL 52" TUB
OPTIONAL 52" TUB
OPTIONAL 52" TUB

CHAMPION

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P.O. BOX 2097 HWY 100 EAST LAKE CITY, FL 32266

DIAPY SEAL

1. UPDATED WINDOWS IN BATHROOMS

MODIFICATIONS
2/21/19 JOHN

PROJECT: 261-C0764D

TITLE: BLACKLINE

SHEET: L-101

DRAWN BY: STAFF
DATE: 03-09-18
SCALE: 1/2" = 1'-0"

FILENAME: C0764D

PROPRIETARY AND CONFIDENTIAL
THESE DRAWINGS AND SPECIFICATIONS ARE ORIGINAL
PROPERTY AND CONFIDENTIAL MATERIALS OF CHAMPION
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PERMIT WORKSHEET

page 1 of 2

PERMIT NUMBER

Installer Ernest S. Johnson License # IH-1025249

Address of home being installed 678 SW Barney St.
High Springs, FL 32643

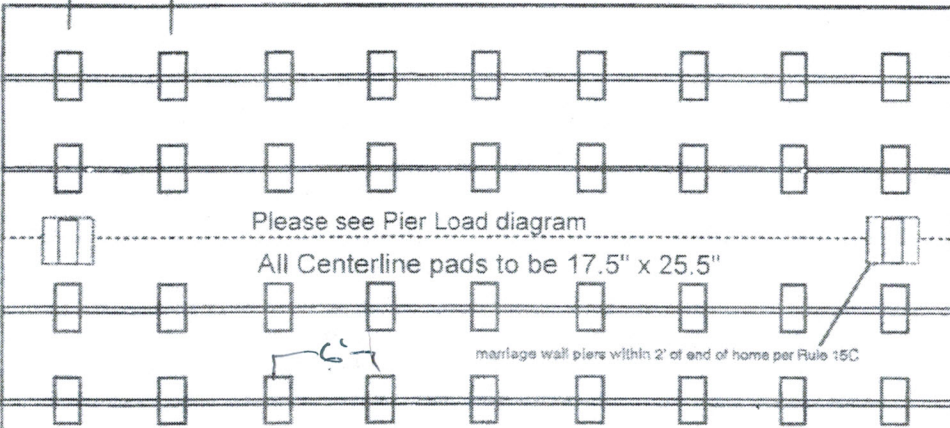
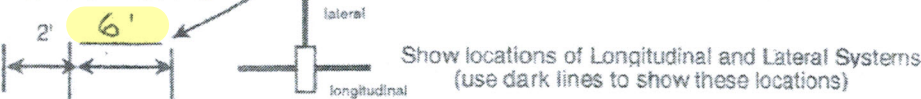
Manufacturer Champion Homes Length x width 32' x 76'

NOTE: If home is a single wide fill out one half of the blocking plan
If home is a triple or quad wide sketch in remainder of home

I understand Lateral Arm Systems cannot be used on any home (new or used)
where the sidewall ties exceed 5 ft 4 in.

Installer's initials EJ

Typical pier spacing



All I-beam pads to be 17.5 x 25.5" Using Oliver 1055-11 at doors/windows
All perimeter pads to be 16" x 18"



New MH Installation Manual Interpolation

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 # 71902

Triple/Quad ☐ Serial # 103435 A+B

Roof System: ☒ Typical ☐ Hinged

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 and Centerline 17.5" x 25.5"
Perimeter pier pad size 16" x 18"
Other pier pad sizes (required by the mfg.) no

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
Please see Pier Load Diagram

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer
Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer Oliver Technologies

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 yes

OTHER TIES

	Number
Sidewall	<u>28</u>
Longitudinal	<u>6</u>
Marriage wall	<u>2</u>
Shearwall	<u>2</u>

PERMIT NUMBER _____

PERMIT WORKSHEET

Page 1 of 4

POCKET PENETROMETER TEST

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

X _____ X _____ X _____

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

Assume
1000 Lb.

X _____ X _____ X _____

TORQUE PROBE TEST

The results of the torque probe test is 279 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 requires anchors with 4000 lb holding capacity.

Assume
1000 Lb.

esj Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Ernest S. Johnson

Date Tested _____

Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg. 51-54

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. 55

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. 54



Site Preparation

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

Fastening multi wide units

Floor: Type Fastener: Lag Length: 5" Spacing: 2'
Walls: Type Fastener: Lag Length: 5" Spacing: 2'
Roof: Type Fastener: Lag Length: 5" Spacing: 2'
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 esj

Type gasket Factory Foam
Pg. 36

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

Weatherproofing

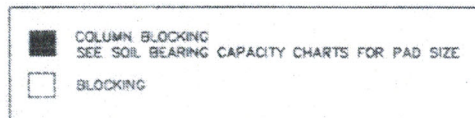
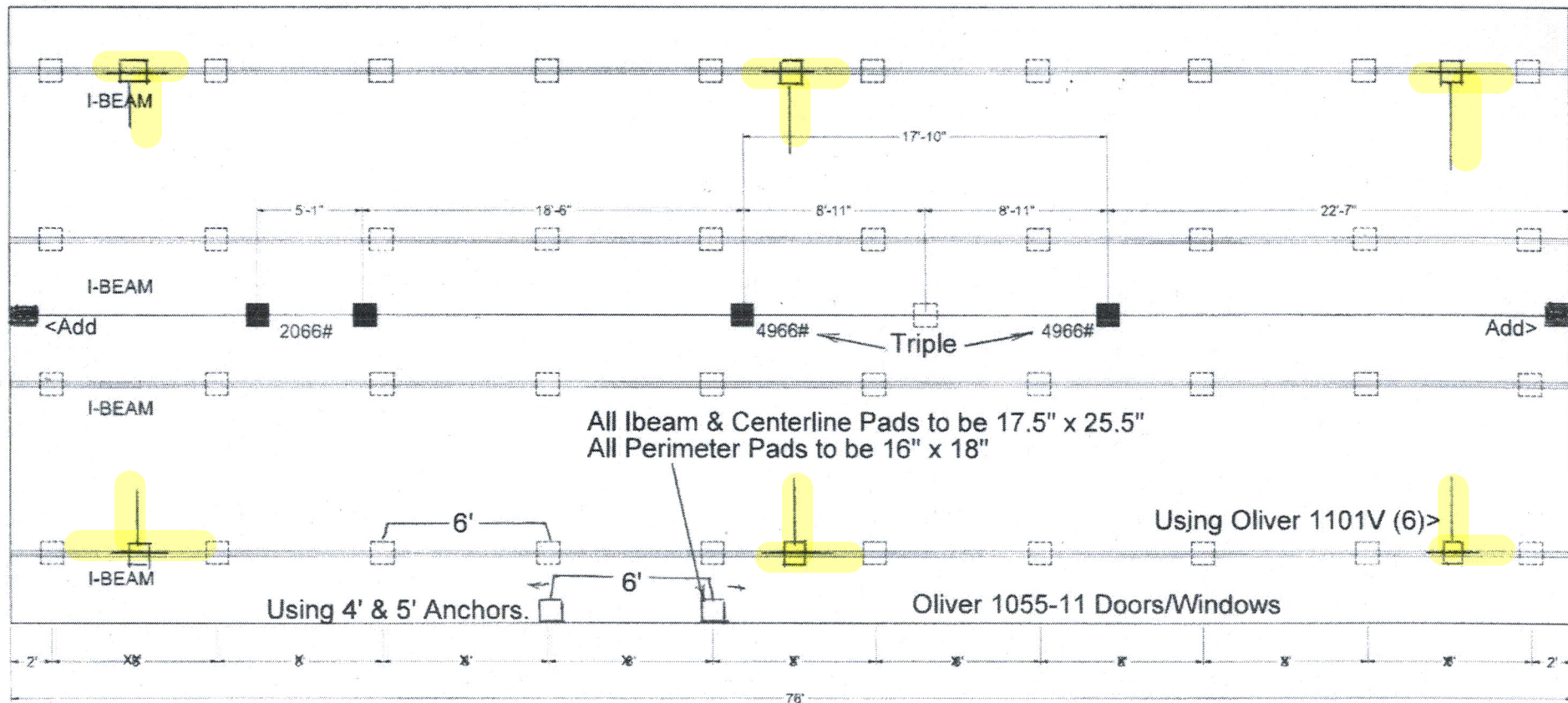
The bottomboard will be repaired and/or taped. Yes _____ Pg. 89
Siding on units is installed to manufacturer's specifications. Yes _____
Fireplace chimney installed so as not to allow intrusion of rain water. Yes ☒

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 Ernest S. Johnson Date 06-03-2020



- 1) ALL EXTERIOR DOORS, BAY WINDOWS, RECESSED SIDEWALLS AND EXTERIOR WALL OPENINGS 48" OR GREATER, WILL REQUIRE BLOCKING ON EACH SIDE.

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DAPIA SEAL

MODIFICATIONS

PROJECT: 261-C0764D

TITLE: PIER FOUNDATION PLAN

SHEET: F-10

DRAWN BY: STAFF
DATE: 12-18-17
SCALE: 1/2" = 1'-0"

FILENAME: C0764D

PROPRIETARY AND/OR
TRADE NAMES AND SPECIFICATIONS
MAY BE USED WITHOUT PERMISSION
OF THE COMPANY

TABLE 5A. LOAD ON POINT-LOAD FOOTINGS — lbs. (FRAME AND PERIMETER WITH MARRIAGE LINE SUPPORTS)

Location*		Roof Live Load and Nominal Section Width															
		20 PSF Live Load								30 PSF Live Load							
		12 Wide		14 Wide		16 Wide		18 Wide		12 Wide		14 Wide		16 Wide		18 Wide	
Span in feet	Location*	M	P	M	P	M	P	M	P	M	P	M	P	M	P	M	P
4	4	2340	1410	2670	1580	3040	1700	3500	1930	3040	1840	3470	2060	3950	2220	4550	2520
	8	3040	1840	3470	2060	3950	2220	4550	2520	3970	2410	4540	2700	5160	2900	5950	3300
	12	3740	2270	4270	2540	4860	2730	5600	3100	4900	2990	5600	3340	6370	3590	7350	4080
	16	4440	2700	5070	3020	5770	3250	6650	3690	5840	3560	6670	3980	7590	4280	8750	4860
	20	5140	3130	5870	3500	6680	3760	7700	4270	6770	4130	7740	4620	8800	4960	10150	5640
	24	5840	-	6670	-	7590	-	8750	-	7700	-	8800	-	10010	-	11550	-
	28	6540	-	7470	-	8500	-	9800	-	8640	-	9870	-	11230	-	12950	-
	32	7240	-	8270	-	9410	-	10850	-	9570	-	10940	-	12440	-	14350	-

Location*		Roof load and maximum section width															
		40 PSF Live Load								60 PSF Live Load							
		12 Wide		14 Wide		16 Wide		18 Wide		12 Wide		14 Wide		16 Wide		18 Wide	
Span in feet	Location*	M	P	M	P	M	P	M	P	M	P	M	P	M	P	M	P
4	4	3740	2270	4270	2540	4860	2730	4640	3100	4260	3130	4870	3500	5540	3760	-	-
	8	4900	2990	5600	3340	6370	3590	6390	4080	5900	4130	6740	4620	7660	4960	-	-
	12	6070	3700	6940	4140	7890	4450	8140	5050	7530	5140	8600	5740	9790	6160	-	-
	16	7240	4420	8270	4940	9410	5310	9890	6030	9160	6140	10470	6860	11910	7370	-	-
	20	8400	5140	9600	5740	10920	6160	11640	7000	10800	7140	12340	7980	14030	-	-	-
	24	9570	-	10940	-	12440	-	13390	-	12430	-	14200	-	-	-	-	-
	28	10740	-	12270	-	13960	-	15140	-	14060	-	-	-	-	-	-	-
	32	11900	-	13600	-	15470	-	-	-	15700	-	-	-	-	-	-	-

Location*		Roof load and maximum section width															
		80 PSF Live Load								100 PSF Live Load				120 PSF Live Load			
		12 Wide		14 Wide		16 Wide		12 Wide		14 Wide		12 Wide		14 Wide			
Span in feet	Location*	M	P	M	P	M	P	M	P	M	P	M	P	M	P	M	P
4	4	5430	3990	4940	4460	5620	3980	5250	4030	6000	4500	6190	4750	7070	4230	-	-
	8	7530	5280	7340	5900	8350	5530	7820	5610	8940	6260	9220	6610	10540	6310	-	-
	12	9630	6570	9740	7340	11080	7070	10390	7190	11870	8020	12250	-	14000	-	-	-
	16	11730	7860	12140	-	13810	-	12950	-	14800	-	15290	-	-	-	-	-
	20	13830	-	14540	-	-	-	15520	-	-	-	-	-	-	-	-	-
	24	15930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*M = Marriage Line, P = Perimeter/Side Wall

(For piers supporting one floor at marriage line, use ½ the above loads)

Determine from the data plate and/or other documents if the home requires perimeter blocking.

- ▶ If perimeter blocking is NOT required, go to **STEP 2, DESIGN FRAME SUPPORTS** (Homes Without Perimeter Blocking), (p. 19).
- ▶ If perimeter blocking is required, go to **STEP 3, DESIGN FRAME AND PERIMETER SUPPORTS** (Homes With Perimeter Blocking), (p. 20).



June 1, 2015



State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES

TALLAHASSEE, FLORIDA 32399-0500

FRED G. DICKINSON, III
Executive Director

October 27, 1999

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



Dear Mr. Larson:

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

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

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

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

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

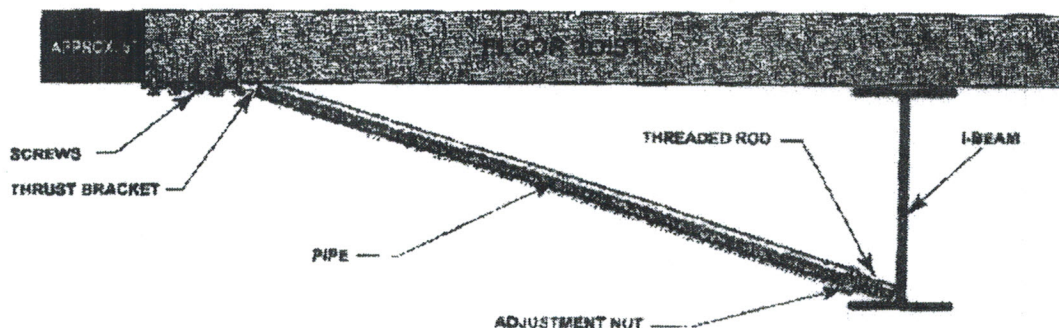
Sincerely,

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

PB:bcc

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

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



NOTES:

- *REMOVE OUTRIGGER WHEN HOME IS BEING TRANSPORTED
- *SPECIFY WIDTH OF HOME WHEN ORDERING OUTRIGGER. PIPE MAY BE CUT TO FIT
- *THE ADJUSTABLE OUTRIGGERS SHALL ONLY BE USED ON HOMES FOR OPENINGS UP TO:
 - 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

Revised 1/11/11

A SAFER
FLORIDA

HIGHWAY SAFETY AND MOTOR VEHICLES

Terry L. Rhodes
Executive Director

2900 Apalachee Parkway
Tallahassee, Florida 32399-0500
www.flhsmv.gov

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 *WJ*
DATE: August 6, 2018
SUBJECT: Elimination of Requirement for Supplemental Frame Ties and Stabilizer Plates at All Steel Telescoping Lateral Arm Locations

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

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

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

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

OLIVER Technologies, Inc.



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

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.

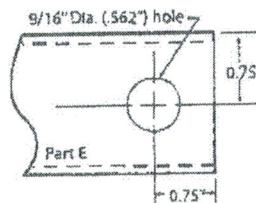
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101-L "V")

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.

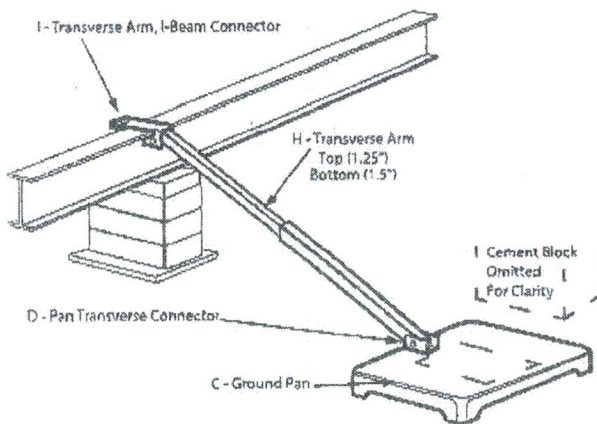
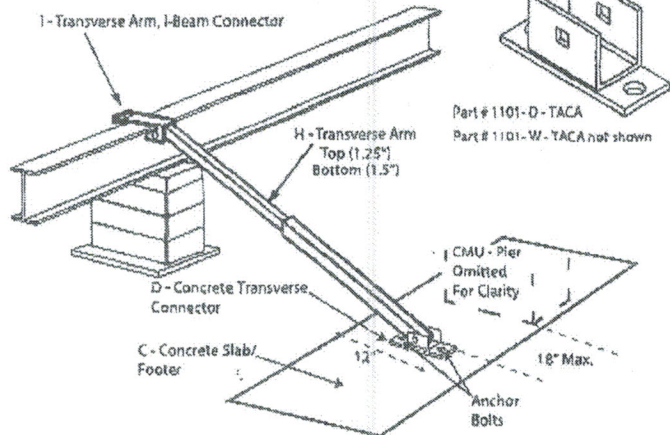
NOTE: THE USE OF THIS SYSTEM REQUIRES VERTICAL TIES SPACED AT 5'4".

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

Page 1
Revision 08/23/18

**Model # 1101 T "V"****Model # 1101 TC "V"**

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

C = GROUND PAN / CONCRETE FOOTER OR RUNNER

D = GROUND PAN / CONCRETE U BRACKETS TRANSVERSE CONNECTOR (connects with grade 5 - 1/2" x 2" 1/2" carriage bolt and nut)

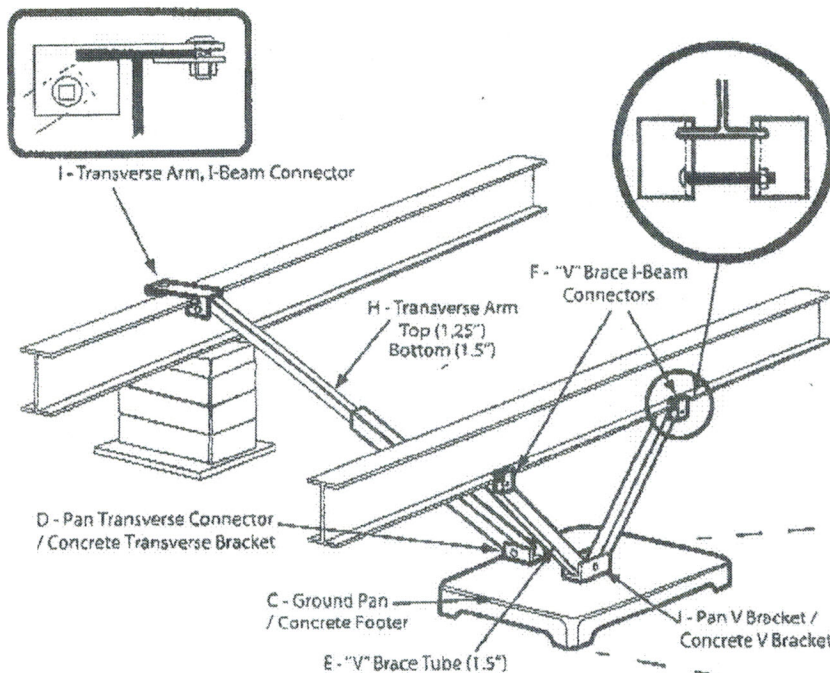
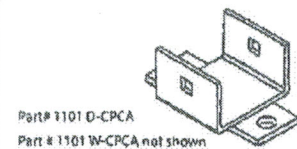
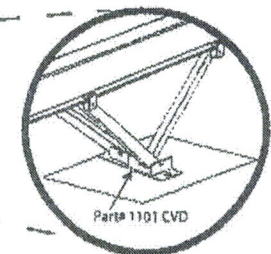
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

F = "V" BRACE J-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 D-CPCA****Model # 1101 C "V"**



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# 1101-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")

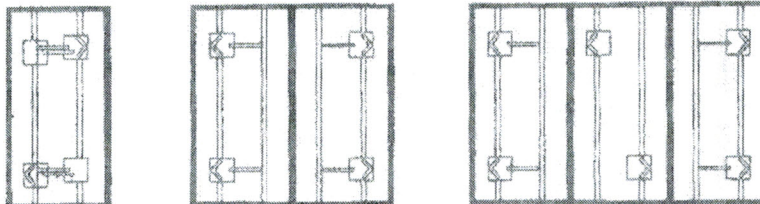
17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TACA) mark bolt hole locations, then using a 5/8" diam. masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the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

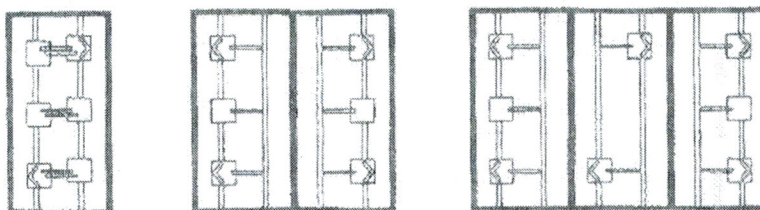
Notes:

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 to 80'.

PATENT# 6634150 & OTHER PATENT PENDING