Mobile Home Permit Worksheet

Application Number: TBA Date: 3-30-26

Installer: Richard Rawson License # IH1045436

Address of home being installed: 240 SW Princeton Ct. Fort White, FL

Manufacturer: Champion Length x width: 16X46

New Home [X] Used Home [ ]

Home installed to the Manufacturer's Installation Manual [X]
Home is installed in accordance with Rule 15-C

Single wide [X] Wind Zone II [X] Wind Zone III [ ]

Double wide [ ] Installation Decal # 73A

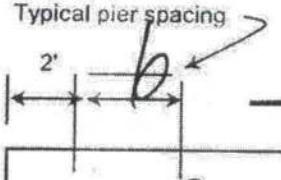
Triple/Quad [ ] Serial # FH2

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

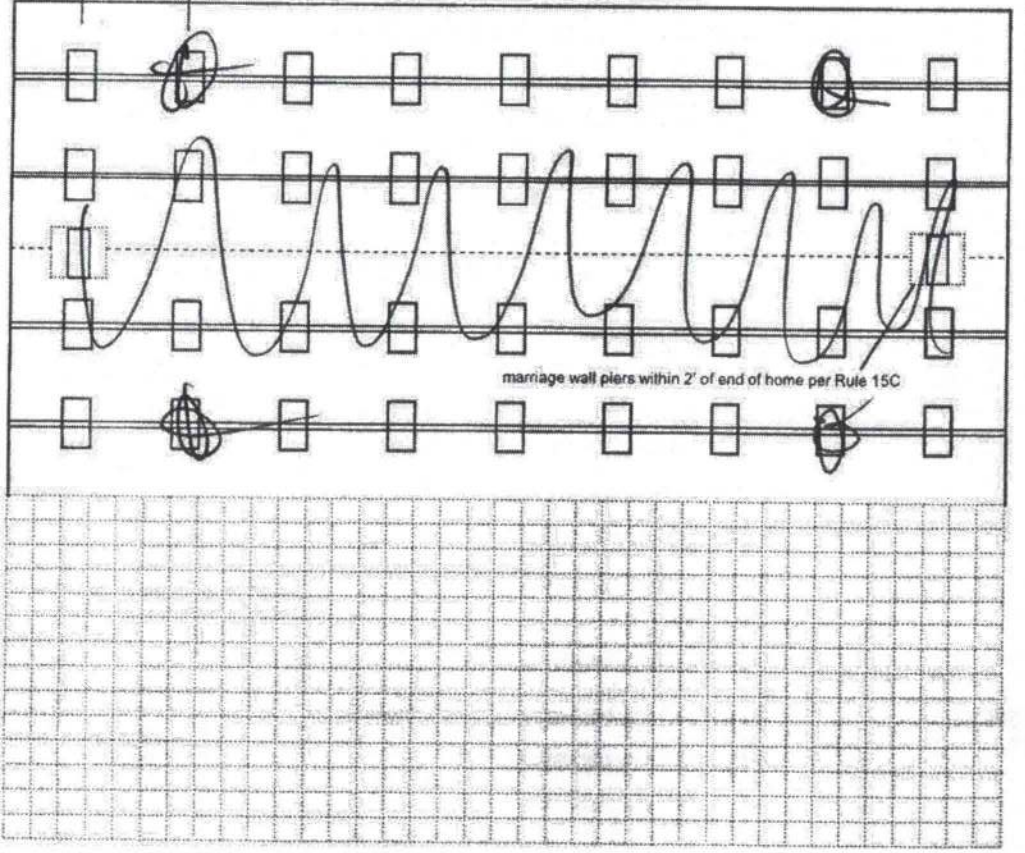
I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials

Typical pier spacing



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



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: 17x25

Perimeter pier pad size: 16x16

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
doors	16x16

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 ✓

OTHER TIES

	Number
Sidewall	
Longitudinal	
Marriage wall	
Shearwall	

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer

Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer OLIVE

Mobile Home Permit Worksheet

Application Number: TBA **Date:** 3-30-26

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 289 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.

____ Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Richard Rayborn

Date Tested 3-30-26

Site Preparation

Debris and organic material removed YES

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 ____

Pg. ____

Installed:

Between Floors Yes ____

Between Walls Yes ____

Bottom of ridgebeam Yes ____

Weatherproofing

The bottomboard will be repaired and/or taped Yes . Pg. 3

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 : ____

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. 3

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. 3

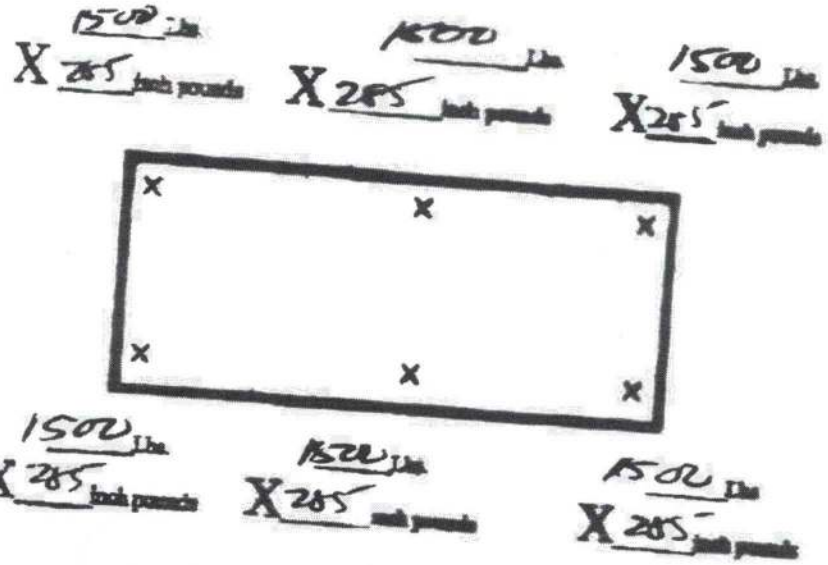
Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. 3

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 3-30-26

Penetrometer/Torque Test



Test the perimeter of the home at six (6) locations

Take the reading at the depth of the footer

Using 500lb. Increment, take the lowest reading and round down to that increment

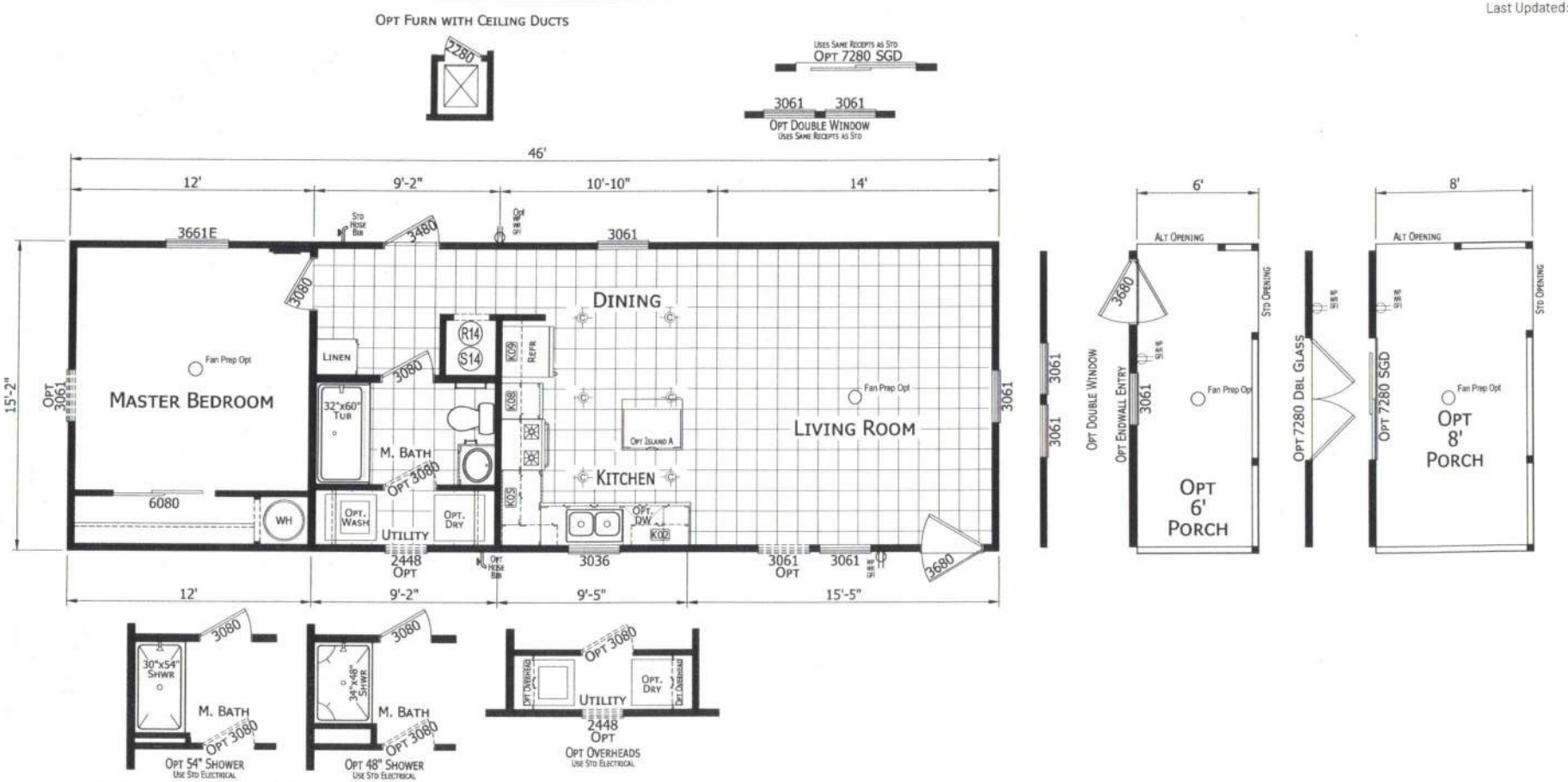
Stansbury

Trinity Series

698 SQ. FT. (Approximate) 1 Bedroom, 1 Bath

CHAMPION HOMES CENTER

Last Updated: 10-31-24



CHAMPION HOMES CENTER
1915A SE SR100
Lake City, Flordia 32025

FactoryHomeSale.com | 1-800-965-3052

IMPORTANT: Champion Homes reserves the right to modify, cancel or substitute products or features of this event at any time without prior notice or obligation. Pictures and other promotional materials are representative and may depict or contain floor plans, square footages, elevations, options, upgrades, extra design features, decorations, floor coverings, specialty light fixtures, custom paint and wall coverings, window treatments, landscaping, sound and alarm systems, furnishings, appliances, and other designer/decorator features and amenities that are not included as part of the home and/or may not be available at all locations. Home, pricing and community information is subject to change, and homes to prior sale, at any time without notice or obligation.

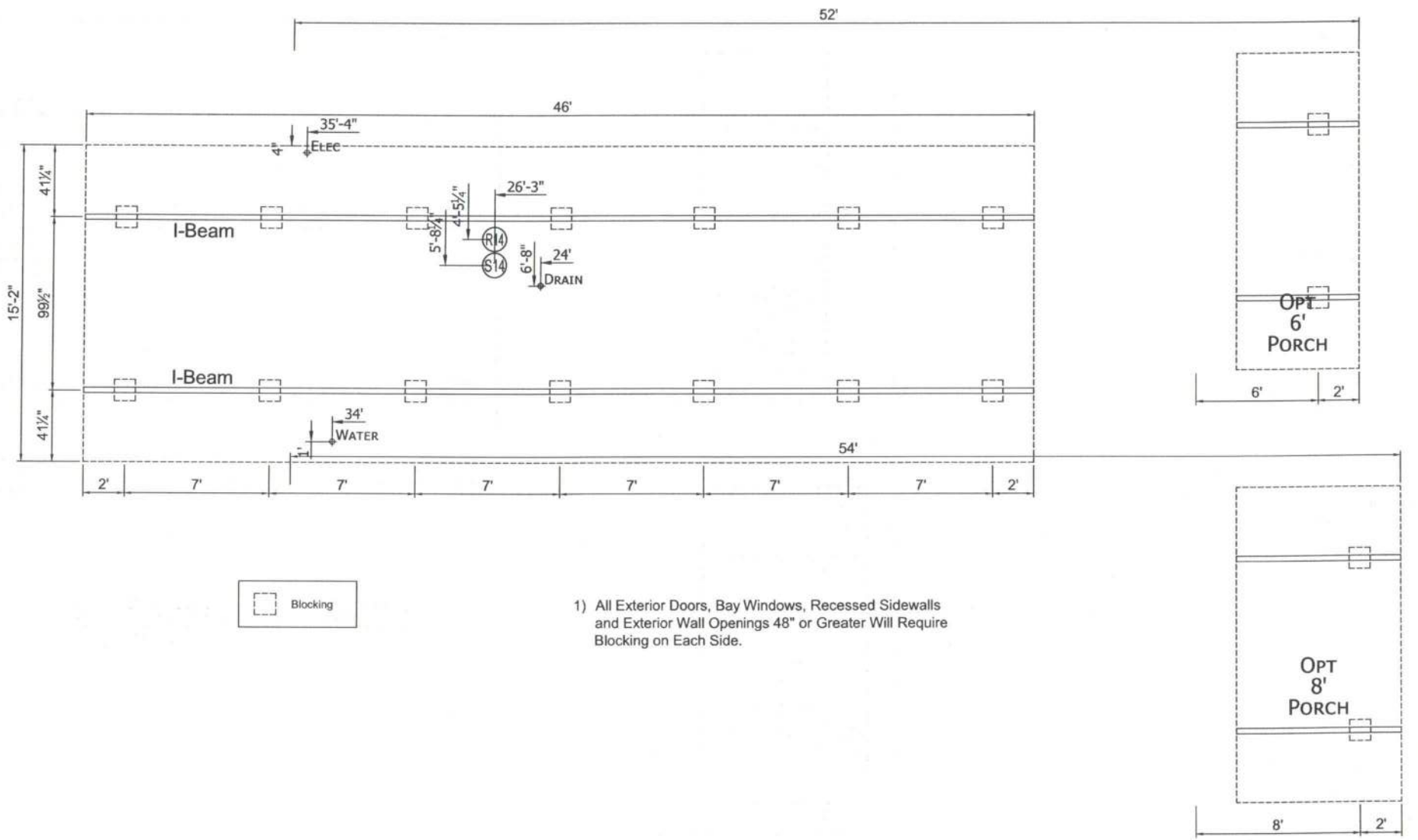
MANUFACTURED BY:

CHAMPION HOMES

I authorize Champion Homes Center to build my house, per this plan.

X _____ _____

Customer Signature/Date



1) All Exterior Doors, Bay Windows, Recessed Sidewalls and Exterior Wall Openings 48" or Greater Will Require Blocking on Each Side.

CHAMPION
MANUFACTURED BEAUTIFULLY™
P.O. BOX 2097 HWY 100 EAST LAKE CITY, FL 32056

DAPIA SEAL

MODIFICATIONS

PROJECT: 261-RH2461A 15'-2' x 46'-0" 1 BD, 1 BTH
DRAWN BY: Rob
DATE: 09-13-23
SCALE: 5/32" = 1'-0"

TITLE: PIER FOUNDATION PLAN
FILENAME: RH2461A-NEW KITCHEN

SHEET: PR-101

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

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

Walter E. Wood

Digitally signed by Walter E. Wood
Date: 2025.01.28 09:59:10 -05'00'

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER
January 28, 2025

W.E.W.
WALTER E. WOOD, P.E.
CONSULTING ENGINEER
168 WEST LONGLEAF DR
SYLVESTER, GA 31791
FL PE LIC #:61323

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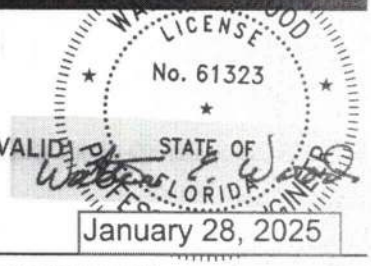
ENGINEERS STAMP

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



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.

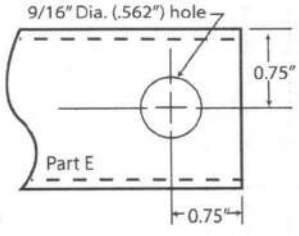
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101 L "V")

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.

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 drille 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 th top of concrete. Complete by tightening nuts.

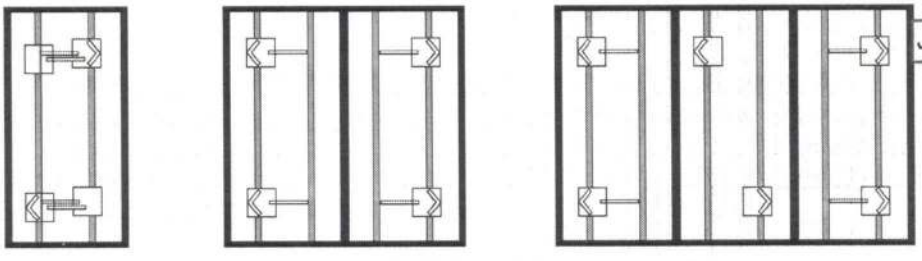
LATERAL: (Model 1101 TC "V")

17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TAC/ 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.

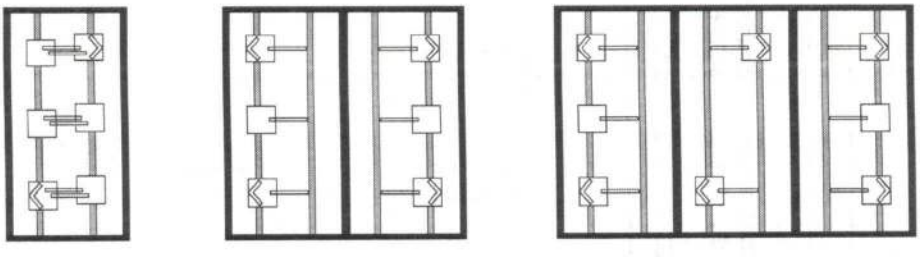
Notes:
1. LENGTH OF HOUSE IS THE ACTUAL BOX SIZE
2. = LOCATION OF TRANSVERSE BRACING ONLY
3 = LOCATION OF LONGITUDINAL BRACING ONLY
4. = TRANSVERSE AND LONGITUDINAL LOCATIONS

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER
VALID
January 28, 2025

ALL WIDTHS AND LENGTHS UP TO 52'



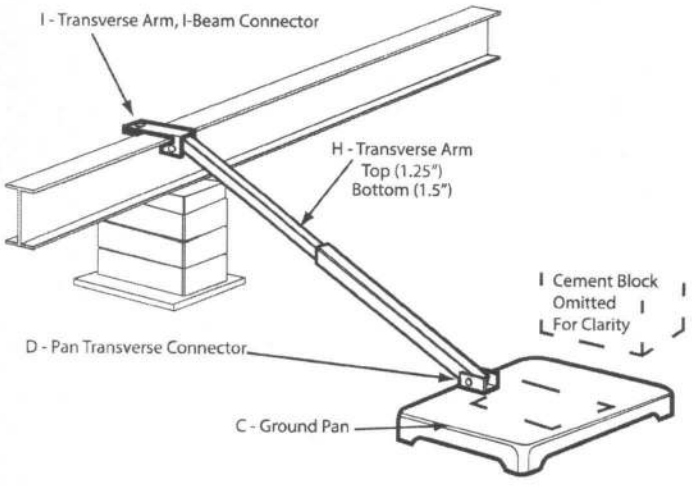
ALL WIDTHS AND LENGTHS OVER 52' TO 80"



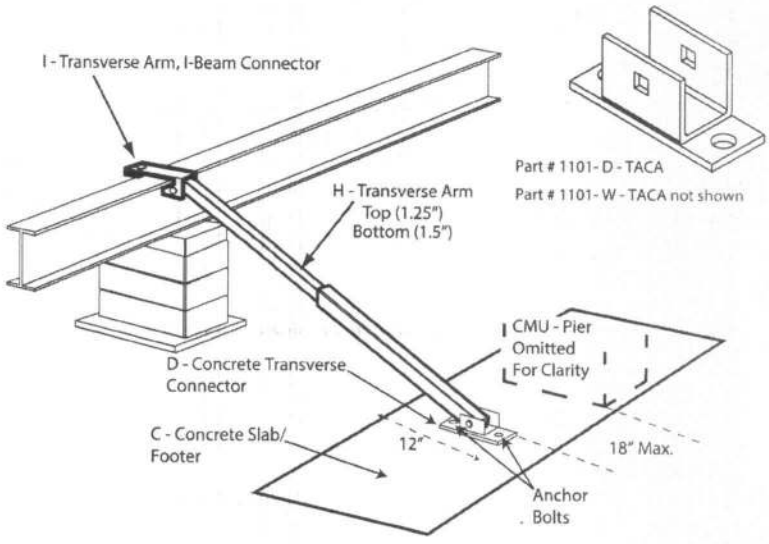
HOMES WITH 5/12 ROOF PITCH REQUIRE: PER FLORIDA REGULATIONS
6 systems for home lengths up to 52' and 8 systems for homes over 52' and up 80'.

PATENT# 6634150 & OTHER PATENT PENDING

W.E.W.
WALTER E. WOOD, P.E.
CONSULTING ENGINEER
168 WEST LONGLEAF DR
SYLVESTER, GA 31791
FL PE LIC #:61323



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)

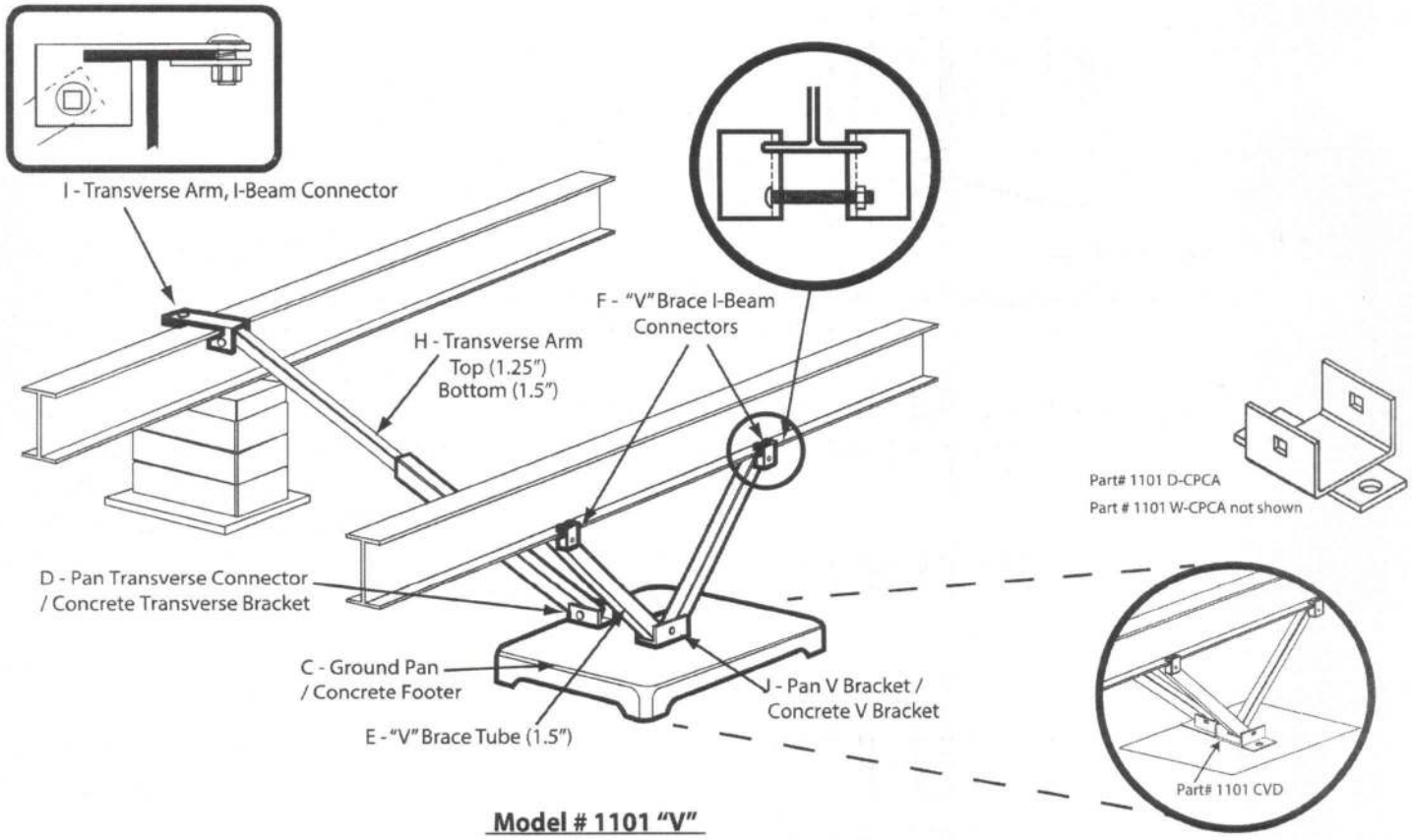
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

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"

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,

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

ELECTRA THEODORIDES-BUSTLE
Executive Director

April 26, 2007

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.

MODEL #	DESCRIPTION
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

State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES

TALLAHASSEE, FLORIDA 32399-0500

FRED O. DICKINSON
Executive Director

December 6, 2004

Mr. Scott Oliver, Sales Director
Oliver Technologies, Inc.
P. O. Box 9, 467 Swan Avenue
Hohenwald, Tennessee 38462

Dear Mr. Oliver:

We wish to acknowledge receipt of your specifications and test results certifying that your ABS Cap Boards listed below, comply with the rules and regulations set by the Department of Highway and Safety and Motor Vehicles, Chapter 15C-1.003 and 15C-1.0105.

Based on the information submitted to this bureau, the following products are listed for use in Florida when the installation instructions are provided:

MODEL #	IDENTIFICATION	DESCRIPTION
OT1CB1	Plastic Cap Board	1" x 8" x 16"
OT1CB2	Plastic Cap Board	2" x 8" x 16"

If you have any questions, I can be reached at (850) 413-7600.

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

OTI CAP BOARDS INSTALLATION INSTRUCTIONS

Note: ALL PIER MATERIALS: CONCRETE MASONRY UNITS (CMU), CAPS AND WEDGES ARE OF NOMINAL DIMENSIONS

PART # 1055-25 Model #OTI CB1 Description - OTI Cap Board 1 x 8 x 16 Nominal
PART # 1055-24 Model #OTI CB2 Description - OTI Cap Board 2 x 8 x 16 Nominal

SINGLE STACK PIER

1. Install ABS Base Pads or other approved footings per manufacturer's instructions and/ or Authority having jurisdiction.
2. Center and level the 8x8x16 CMU on top of footing. When building an I-Beam support pier, the long dimension of the CMU shall be placed perpendicular to the I-Beam. When it is used as a perimeter pier, install the CMU with the long dimension parallel to the perimeter rail.
3. Place the model # OTI CB2 (ribbed side down) or a 4x8x16 concrete cap block centered on top of the CMU.
4. If a gap exists between the top of the pier and main beam it may be filled with additional ABS Cap Boards (stacked two (2) high in any combination), or other approved cap boards, keeping all "like" materials together, and/or with Part # 2410 (Oliver Technologies, Inc. ABS Wedges) or equivalent approved wedges.

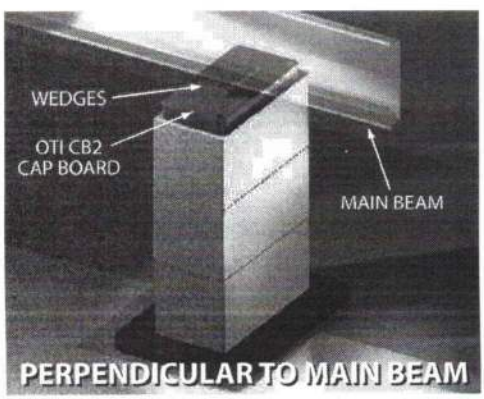
DOUBLE STACK PIER

1. Install ABS Base Pads or other approved footings per manufacturer's instructions and/ or Authority having jurisdiction.
2. Double stack the open celled CMUs so that each course is perpendicular to the previous course and is positioned to set the pier cap perpendicular to the frame.
3. The pier cap shall consist of two (2) OTI CB2's (ribbed side down), or two (2) 4x8x16 nominal concrete cap blocks placed next to each other and centered over the CMUs. Other approved materials (per local jurisdiction) may also be used.
4. If a gap exists between the top of the pier and the main beam, it may be filled with additional cap boards. Keeping all "like" materials together; ABS Cap Boards may be stacked two (2) high in any combination, other cap boards of various approved materials may be substituted (i.e. wood, concrete or steel) and/or with part # 2410 (Oliver Technologies, Inc., ABS Wedges) or equivalent approved wedges.

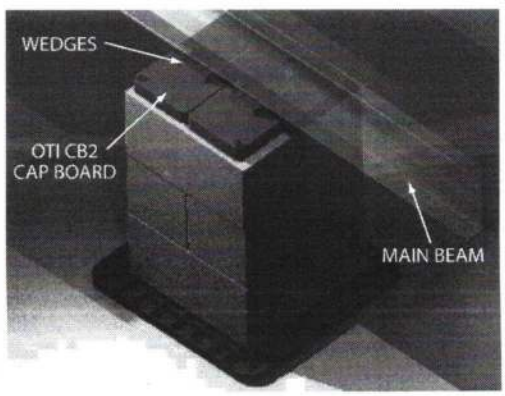
NOTES:

1. CMUs shall be manufactured in conformance with ASTM C 90.
2. OTI Cap Boards may be used in conjunction with other approved pier products.
3. Plastic or wood must always be used as a cushion between concrete and I-Beam.
4. Single stack OTI Cap Boards are rated for a maximum of 8,000 lbs.
5. Two (2) OTI Cap Boards installed side by side or interlocked are rated for a maximum 16,000 lbs.
6. All 8x8x16 CMUs shall be installed with open cells vertical.
7. Florida only: double stack piers must be capped with two (2) 4" x 8" x 16" or one (1) 4" x 16" x 16" concrete cap blocks, ABS Cap Boards and wedges may fill remaining voids.

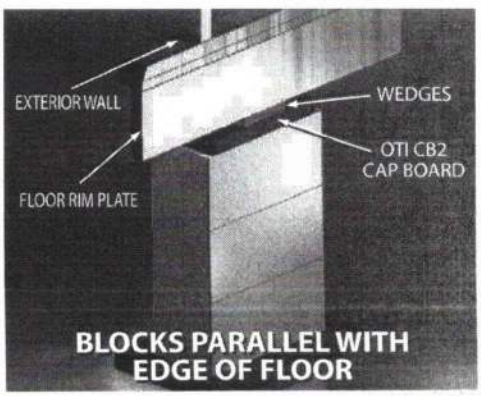
Patent # D517,702



SINGLE STACK PIER



DOUBLE STACK PIER



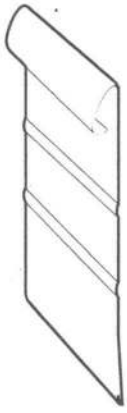
PERIMETER STACK PIER

Revised 1/1/11

Vinyl Skirting Installations

Installation Details

Careful attention to a few basic details will insure that your vinyl skirting will provide a beautiful, easily installed, completely accessible exterior with a minimum of maintenance. Vinyl skirting is easily installed over any terrain, requires no special tools and never needs painting. Following these basic installation techniques will assure that our skirting will contribute to the beauty of your home's exterior.



Top Trim Back Component

Tools you will need

Hammer • Screwdriver • Snips • Plumb Bob or Level • Tape Measure
Power Saw with Fine Tooth Blade • Snap Lock Tool • Chalk Line
• Utility Knife

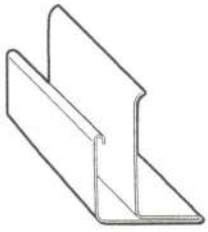
Important

1) Use either a power saw with a fine tooth blade mounted with reverse rotation, or aviation snips to cut skirting components.

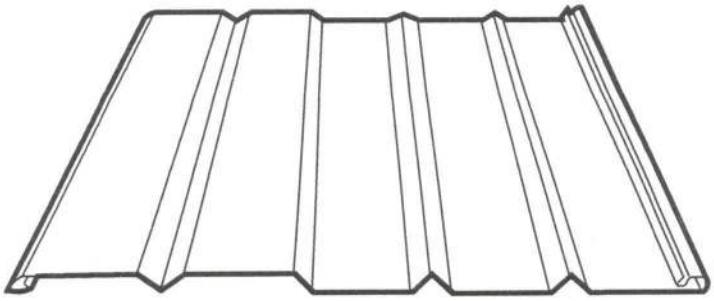
2) To allow for normal expansion and contraction, fasten the Top Trim Back component(s) in the center of the nailing slots. Fasten positively to the surface of the unit at every slotted hole, leaving 1/2" between lengths. **Do not butt the ends.** Overlap the Top Trim Front component(s) approximately 1" at joints. Allow 1/2" between pieces of the Bottom Channel component(s) when installing.

Top Trim Front Component

3) Do not drive the fasteners too tightly. Nails or screws offer excellent holding power, but if driven too tightly, the vinyl can, under normal expansion and contraction, become distorted. These fasteners should be driven in the middle of the nailing slot just short of touching the Top Trim Back component(s). Nail or screw to achieve 3/4" penetration into a solid wood substance. Fasten to allow part to expand and contract during the normal change in ambient temperature. **Do not fasten tight.** Allow 1/16" gap between fastener head and part.



Bottom Channel Component



Skirting Panel

Vinyl Skirting Installations

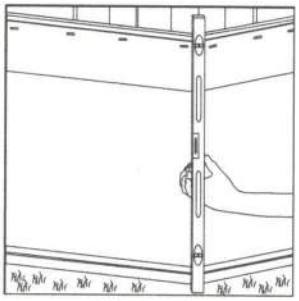


Figure 1

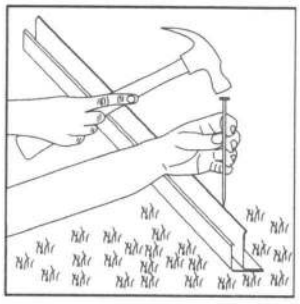


Figure 2

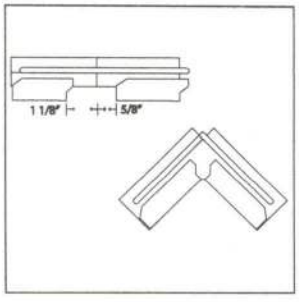


Figure 3

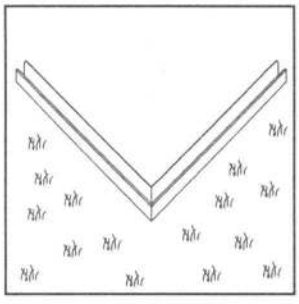


Figure 4

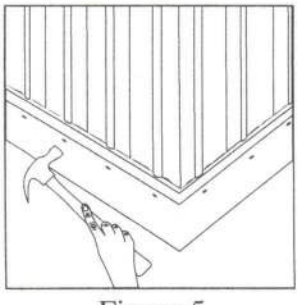


Figure 5

Step 1...

Laying the Bottom Channel Components

A level or plumb line should be used to establish the location of the Bottom Channel. The taller backside of the Bottom Channel should be located directly beneath the outside bottom edge of the home, where the Top Trim Back component will be attached *(see figure 1)*. To prevent grass from growing around the base of the skirting and provide a non-shifting base for the ground spikes, 9" asphalt roof starter should be installed around the home. The roof starter also reduces the possibility of the vinyl skirting panels being damaged from the use of a powered string trimmer. "Weed-Eater" type trim units will damage the skirting and is not covered by the warranty.

Attach the Bottom Channel component directly to the ground through the prepunched holes *(see figure 2)*. Spikes are required every 24 inches...extra holes are provided in the Bottom Channel component for convenience. Another spike or a drift punch may be used to drive spikes in completely. To allow for expansion, leave a 1/2" gap between each section of the Bottom Channel component. To form clean, attractive corners, the Bottom Channel component can be notched with snips *(see figure 3)* and then bent to the desired angle. *(Attached to the ground as shown in figure 4)*.

Note: in high wind areas; where ground below the unit is spongy; or where ground is loose from recent excavation and has not yet settled, it is advisable to fasten bottom channel to treated wooden stakes. For installation on concrete, use 3/4" masonry nail instead of ground spike. "Liquid Nail" cement or other similar methods of setting a fastener directly to concrete can also be used.

Step 2...

Mounting Top Trim Back Components

First determine where the Top Trim Back component(s) will mount on the lower part of the home. The bottom edge of the Top Trim Back component can extend below the bottom edge of the home if there is a solid support for nailing and a solid bearing for the Top Trim Front component against the side of the home. It is helpful to mark a line around the bottom of the home with a chalk line or other method to assure a straight line where the Top Trim Back component is to be installed.

The Top Trim Back component is installed by driving the fasteners in the middle of every slot *(see figure 5)*. ***Do not fasten tightly!*** (see fastening instructions on front page.) **Do not cut Top Trim Back components at the corners**. Gently bend over a sharp edge of a cutting table or a similar surface to form a corner *(see figure 6)*.

If the installation is made in extremely cold weather, the vinyl should be warmed to room temperature before bending. Warming will avoid the likelihood of cracking.

Step 3...

Cutting Top Trim Back Components

The Top Trim Back component is constructed with two parallel ridges at intervals below the nailing slots *(see figure7)*. These ridges may be used to measure the distance from the ground to the lower ridge. In cold weather, measure to the top ridge; In warm weather, measure to the bottom ridge. If the ground is level, several panels may be cut at one time using a hand power saw. ***Remember, if a power saw is to be used, mount a fine-toothed blade in reverse position*** *(see figure 8)*.

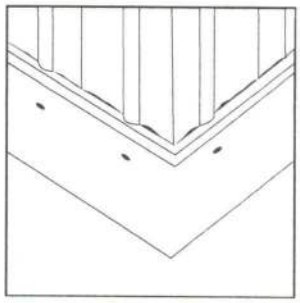


Figure 6

Locking the Skirting Panels

A snap lock tool is used to punch locking tabs on the outside bottom edge of each skirting panel *(see figure 9)*. When the panel is installed, it becomes locked in the Bottom Channel component. This feature assures retention of the panel in the Bottom Channel. ***Note:*** When installing in a high wind area, you may also punch locking tabs at the top of the panel for added locking strength.

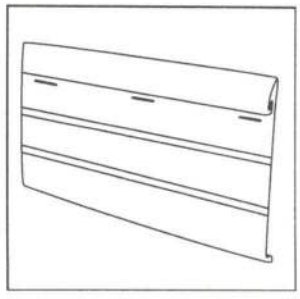


Figure 7

Self-aligning panels easily snap and slide into place *(see figure 10)*. Be certain that each skirting panel positively interlocks with the skirting panel adjoining it. ***Note:*** (above 36" panel height, a framing support system should be considered.)

Installing the Skirting Panels

Panel can be installed by setting into the Bottom Channel and leaning against the top trim back. Lock the next panel as shown in figure 10. Panels should not be cut but bent around corners as shown in figure 11.

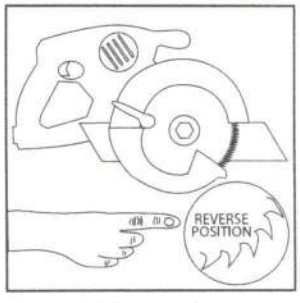


Figure 8

Fitting Skirting Panels Around Service Connections

Cutting and fitting to virtually any shape or radius is easily done with Vinyl Skirting. Using aviation snips, cut the panel to fit around the connection. Cut the panel from the side – **not from the top or bottom.** Keep snip points open as if cutting cloth to avoid cracking panels.

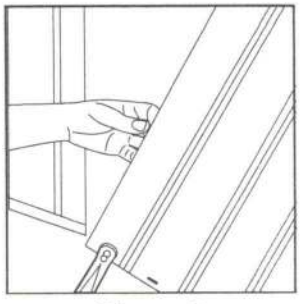


Figure 9

CAUTION

Proper installation of manufactured home skirting requires that the Top Back component be fastened loosely so the panel will slide freely in the nail slots. This can be accomplished by leaving the fastener 1/16" to 1/8" from the face of the panel. The fastener must penetrate a solid surface by 3/4".

Do not place outdoor cookers near the vinyl skirting because the heat will distort the panels. *Any heat source must be kept away from the panels or damage may occur.*

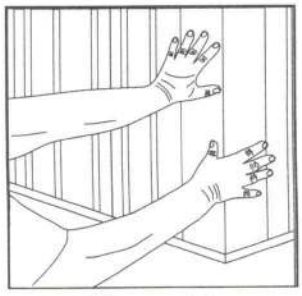


Figure 11

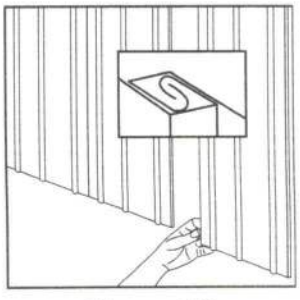


Figure 10

Vinyl Skirting Installations

Step 4...

Installing the Top Trim Front Component

The Top Trim Front component(s) installs easily by snapping the top edge of its spring lock into the installed Top Trim Back component. Be sure to push the Top Trim Front component all the way into the Top Trim Back component **until it "snaps" into place.**

Each of the 15 pieces of the Top Trim Front components in the trim kit are notched 2" on one end *(see figure 12)* to permit overlapping. Overlap ends of adjoining Top Trim Front component(s) approximately 1".

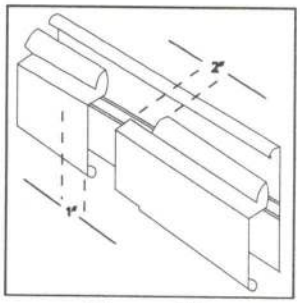


Figure 12

Cutting Additional Corners

If inside corners are needed, trim strips can be easily cut with aviation snips to form attractive corner joints by cutting a 45° mitre on adjacent ends and butting. If extra outside corners are required (for porches or add-on rooms), notch the trim strips as shown (see figure 13), bend around the corner and snap into place. Allow at least 3' of trim strip on each side of the corner.

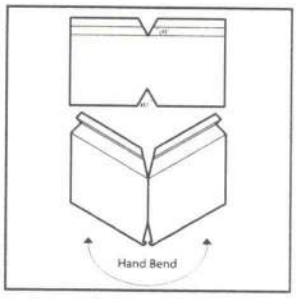


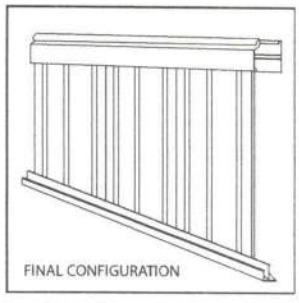
Figure 13

Easy Access

Access can be gained at virtually any point by simply lifting the Top Trim Front component and sliding out the desired number of panels. Accessibility to the area under the unit is available whenever desired.

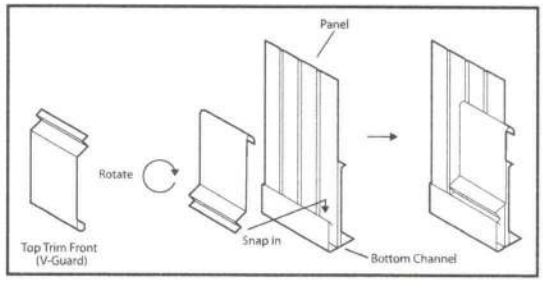
Final Configuration

Please review the drawing to the right that shows how the components and skirting panels look after installation is complete.



VGuard
VINYL SKIRTING PROTECTOR

Figure 14



V-Guard Installation - (if applicable)

Installing the V-Guard Component

V-Guard Vinyl Skirting Protector component(s) installs easily by snapping the bottom edge of its spring lock into the Bottom Channel component. Be sure to push the V-Guard trim all the way into the Bottom Channel component **until it "snaps" into place.** *(see figure 14)*

Cutting additional corners

If inside corners are needed, V-Guard trim can be easily cut with aviation snips to form attractive corner joints by cutting a 45° mitre on adjacent ends and butting. If extra outside corners are required (for porches or add-on rooms), notch the V-Guard trim component, bend around the corner and snap into place. Allow at least 3" of V-Guard component trim on each side of the corner.

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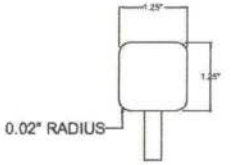
STAIR DETAIL

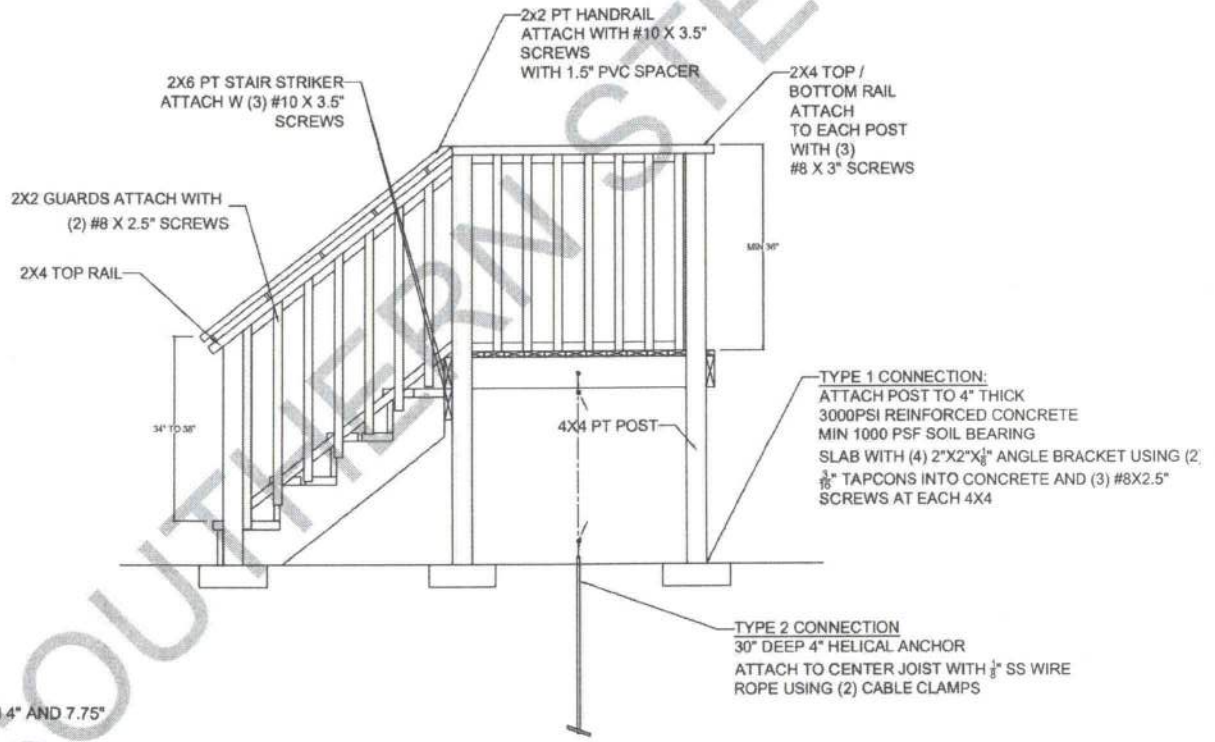
SOUTHERN STEPS
ALWAYS TAKING STEPS TO SATISFY OUR CUSTOMERS

2023 FLORIDA BUILDING CODE 8TH EDITION.
RESIDENTIAL SECTIONS R311 AND 312.

R311.7.2	HEADROOM
R311.7.5.	RISER HEIGHT
R311.7.5.2	TREAD DEPTH
R311.7.8.2	HANDRAILS
R311.7.8.3	CONTINUITY
R311.7.8	HANDRAIL GRIP SIZE
R312.1.2	-GUARDS
R312.1.3	GUARD OPENING LIMITS



HANDRAIL THAT IS NOT CIRCULAR MUST HAVE A PERIMETER OF 4.0" MIN AND 6.25" MAX WITH A CROSS SECTION DIMENSION OF 2.25"



NOTES

STEP HAS A MIN 40"X40" LANDING
STEP HAS A RISER HEIGHT OF BETWEEN 4" AND 7.75"
HANDRAIL HEIGHT 36"
2"X2" HANDRAIL " RADIUS ALL SIDES
GUARDRAIL TO BE 36"
OPENING WILL REJECT 4" SPHERE

TYPICAL HANDRAIL
CONSTRUCTION DETAILS

REVISIONS

PROJECT INFORMATION

CLIENT NAME
ADDRESS
ADDRESS

DRAWING TITLE
STAIR DETAIL

SCALE: N/A

SHEET #
1