

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 _____ ☒ OTT App			
☐ Ellisville Water Sys ☒ Assessment <u>paid</u> ☐ Out County ☐ In County ☒ Sub VF Form			

Property ID # 10-75-17-09973-002 Subdivision Sherwood Forest Lot# 2

- New Mobile Home ^{Replacement} 28x56-4e Used Mobile Home NA MH Size 28x56 Year 2021
- Applicant ~~Wyatt Howe~~ **David Sashy** Phone # 352 351-5654 ^{AGENT} 1999
- Address 2810 NW 10th St Ocala FL 34475
- Name of Property Owner Wyatt Howe Phone# 352-351-5654 ^{AGENT}
- 911 Address 180 SE Main Marion Ln High Springs
- Circle the correct power company - FL Power & Light - Clay Electric
 (Circle One) - Suwannee Valley Electric - Duke Energy
- Name of Owner of Mobile Home Wyatt Howe Phone # (352) 351-5654
- Address 180 SE Main Marion Ln High Springs FL
- Relationship to Property Owner Owner
- Current Number of Dwellings on Property 1 but being removed + replaced
- Lot Size .998 AC ± Total Acreage .998 AC ±
- 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 Yes
- Driving Directions to the Property From South Columbia Cty line take HWY 441 North to SE Main Marion Ln - Right on SE Main Marion Ln to 180 SE Main Marion Ln on Right
- Name of Licensed Dealer/Installer Wendell Crews Phone # (352) 351-5654 ^{AGENT}
- Installers Address 4950 NE 35th St Ocala FL 34479
- License Number IH1025316 Installation Decal # 77480

License Number: IH / 1025316 / 1 Name: WENDELL CREWS

Order #: 4762

Label #: 77480

Manufacturer:

Truhane

(Check Size of Home)

Homeowner:

Howe

Year Model:

Address:

Length & Width:

28 X 56

Single

Double ☒

Triple

City/State/Zip:

High Springs

Type Longitudinal System:

olwer

HUD Label #:

Phone #:

Type Lateral Arm System:

1101V

Soil Bearing / PSF:

Date Installed:

New Home: ☒

Used Home: ☐

Torque Probe / in-lbs:

Installed Wind Zone:

II

Data Plate Wind Zone:

II

Permit #:

Note:

S/C

STATE OF FLORIDA
INSTALLATION CERTIFICATION LABEL

77480

LABEL #

DATE OF INSTALLATION

WENDELL CREWS

NAME

IH / 1025316 / 1

4762

LICENSE #

ORDER #

CERTIFIES THAT THE INSTALLATION OF THIS MOBILE HOME IS
IN ACCORDANCE WITH FLORIDA STATUTES 320.8249, 320.8325
AND RULES OF THE HIGHWAY SAFETY AND MOTOR VEHICLES.

INSTRUCTIONS

PLEASE WRITE DATE OF
INSTALLATION AND AFFIX
LABEL NEXT TO HUD LABEL.
USE PERMANENT INK PEN
OR MARKER ONLY.
COMPLETE INFORMATION
ABOVE AND KEEP ON FILE
FOR A MINIMUM OF 2 YEARS.
YOU ARE REQUIRED TO
PROVIDE COPIES WHEN
REQUESTED.



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, Wendell Crews, 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
SOUTHERN COMFORT MOBILE HOME CENTER INC. DAVID SHASHY, President	SOUTHERN COMFORT MOBILE HOME CENTER INC. <i>[Signature]</i>	SOUTHERN COMFORT MOBILE HOME CENTER INC.
SOUTHERN COMFORT MOBILE HOME CENTER INC. Lisa Graybill	SOUTHERN COMFORT MOBILE HOME CENTER INC. Lisa Graybill	SOUTHERN COMFORT MOBILE HOME CENTER INC.

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.

Wendell Crews
License Holders Signature (Notarized)
FH1055316
License Number
1/20/2021
Date

NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: Manatee

The above license holder, whose name is Wendell Crews,
personally appeared before me and is known by me or has produced identification
(type of I.D.) FL DL on this 20 day of January, 2021.

[Signature]
NOTARY'S SIGNATURE



Columbia County Property Appraiser

Jeff Hampton

2021 Working Values

updated: 12/8/2020

Parcel: << 10-7S-17-09973-002 >>

Owner & Property Info

Result: 1 of 1

Owner	HOWE WYATT 180 SE MAID MARION LN HIGH SPRINGS, FL 32643		
Site	180 MAID MARION LN, HIGH SPRINGS		
Description*	LOT 2 SHERWOOD FOREST S/D UNIT 1. 679-172, 688-508, 694- 572, CT 1145-497, WD 1154-1249 WD 1350-1829,		
Area	0.998 AC	S/T/R	10-7S-17
Use Code**	MOBILE HOM (000200)	Tax District	3

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

**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2020 Certified Values		2021 Working Values	
Mkt Land (2)	\$14,618	Mkt Land (2)	\$14,618
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$27,313	Building (1)	\$27,241
XFOB (2)	\$500	XFOB (2)	\$500
Just	\$42,431	Just	\$42,359
Class	\$0	Class	\$0
Appraised	\$42,431	Appraised	\$42,359
SOH Cap [?]	\$4,460	SOH Cap [?]	\$3,249
Assessed	\$37,971	Assessed	\$39,110
Exempt	HX H3 \$25,000	Exempt	HX H3 \$25,000
Total Taxable	county:\$12,971 city:\$12,971 other:\$12,971 school:\$12,971	Total Taxable	county:\$14,110 city:\$14,110 other:\$14,110 school:\$14,110

Aerial Viewer Pictometry Google Maps



Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Qualification (Codes)	RCode
12/14/2017	\$48,000	1350/1829	WD	I	Q	01
4/10/2008	\$100	1154/1249	WD	I	U	01
2/13/2008	\$30,000	1145/0497	CT	I	U	01
8/18/1989	\$9,500	694/0572	WD	V	U	
6/12/1989	\$36,200	688/0507	WD	V	U	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	MANUF 1 (000200)	1995	1104	1104	\$27,241

*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	2004	\$300.00	1.000	0 x 0 x 0	(000.00)
0081	DECKING WI	2017	\$200.00	1.000	0 x 0 x 0	(000.00)

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000200	MBL HM (MKT)	1.000 LT - (0.998 AC)	1.00/1.00 1.00/1.00	\$11,368	\$11,368
009945	WELL/SEPT (MKT)	1.000 UT - (0.000 AC)	1.00/1.00 1.00/1.00	\$3,250	\$3,250

Search Result: 1 of 1

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by: GrizzlyLogic.com

Columbia County.

Hand-drawn site plan for a wastewater treatment facility. The plan shows a rectangular 'New MH' (manhole) labeled 'New 18x56 MH to replace old MH' in yellow. A red rectangular area is labeled 'Monitor point to replace 18x56'. An 'Existing septic' tank is shown with an arrow pointing to it. An 'Existing well' is also indicated. Dimensions include 50' for the new MH, 120' for the septic tank, and 75' for the well. A north arrow is present. The plan is bounded by a grid with coordinates 229.30 and 190.

(Existing double wide being removed)

Wing Romo
SOUTHERN COMFORT MOBILE HOME CENTER INC. (ACCT)
pre-silb
1/19/2021

Prepared by and Return to:
Crystal L. Curran, an employee of
Alachua Title Services, LLC,
16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number:17-441

Warranty Deed

*P.O. Box 639 Alachua, FL 32615

Made on December 14, 2017 A.D. by and between **Stuart Amira**, whose address is *, hereinafter called the "grantor", to **Wyatt Howe, A SINGLE PERSON**, whose post office address is 180 SE MAID MARION HIGH SPRINGS, FL 32643, hereinafter called the "grantee":

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, to-wit:

Lot 2, SHERWOOD FOREST UNIT NO. 1, a subdivision according to the Plat thereof Recorded in Plat Book 4, Pages 13/13A, Public Records of Columbia County, Florida. subject to Restrictions in Official Records Book 340, Page 590, Public Records of Columbia County, Florida. Subject to Deed to County Right-of-Way in Official Records Book 436, Page 591, Public Records of Columbia County, Florida.

Together with a Mobile Home Situated thereon, described as a 1995 King, with Vehicle Identification Numbers N86941A and N86941B; Title Numbers 68880116 and 68880115; RP Numbers R0740687 and R0740688, which is Affixed to the Aforescribed Real Property and Incorporated therein.

Grantor, Stuart Amira, warrants that this is not his homestead property nor is it contiguous to his homestead property.

Parcel Identification Number: R09973-002

Subject to covenants, conditions, restrictions and easements of record.

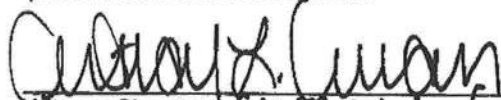
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

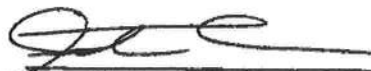
To Have and to Hold, the same in fee simple forever.

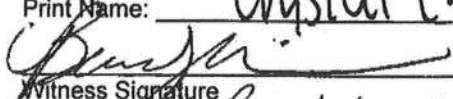
And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2017.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the
presence of these witnesses:

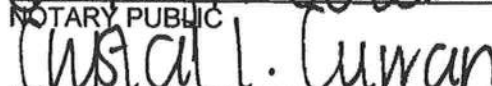

Witness Signature
Print Name: Crystal L. Curran


Stuart Amira


Witness Signature
Print Name: Brandalyn V. Williams

State of Florida
County of Alachua

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me on December 14, 2017, by Stuart Amira, who has produced a valid driver's license as identification.


NOTARY PUBLIC

Notary Print Name Crystal L. Curran
My Commission Expires: June 18, 2018



MOBILE HOME INSTALLATION SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Wendell Crea's PHONE (352) 351-5654
FL MOBILE MASTERS
INC.

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	Print Name <u>Melvin Lopez</u> License #: <u>EL13005725</u>	Signature <u>[Signature]</u> Phone #: <u>(352) 351-5654</u>
Qualifier Form Attached ☐		
MECHANICAL/ A/C _____	Print Name <u>Trevor Iverson</u> License #: <u>CAC 1815770</u>	Signature <u>[Signature]</u> Phone #: <u>(352) 351-5654</u>
Qualifier Form Attached ☐		

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.

Columbia County Property Appraiser

Jeff Hampton
updated: 12/8/2020

Record Search Search Results Parcel Details GIS Map

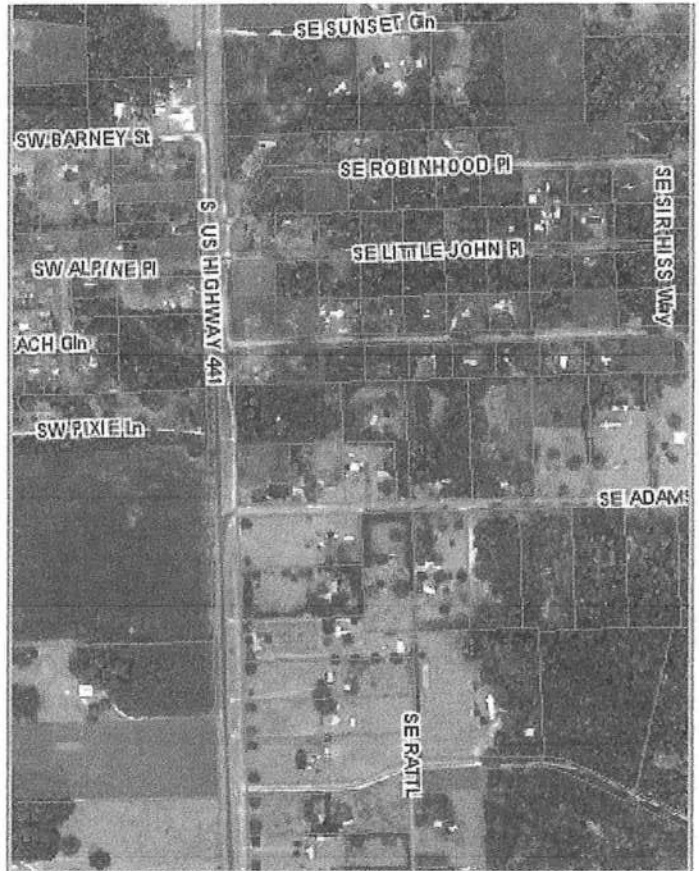
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Show Similar Sales within 1/2 mile Fill out Sales Questionnaire

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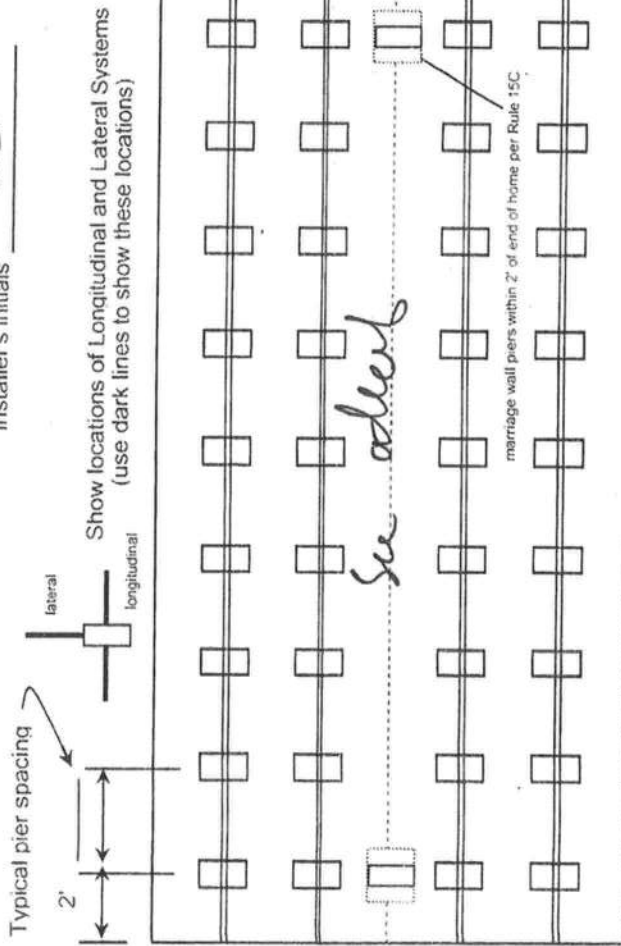
Mobile Home Permit Worksheet

Installer: Wendell Crows License # TH1025316
 Address of home being installed: 180 SE Main Marion Ln High Springs

Manufacturer: In home Length x width: 56 x 28

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: WC



Permit Number: _____ Date: _____

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 # 77480

Triple/Quad ☐ Serial # TBD

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'	8'
1500 psf	4' 6"	6'	7'	8'	9'	10'	10'
2000 psf	6'	8'	9'	10'	11'	12'	12'
2500 psf	7' 6"	9'	10'	11'	12'	13'	13'
3000 psf	8'	10'	11'	12'	13'	14'	14'
3500 psf	8'	10'	11'	12'	13'	14'	14'

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

PIER PAD SIZES

I-beam pier pad size 12x25

Perimeter pier pad size NA

Other pier pad sizes (required by the mfg.) 16x16
DOOR

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

4 ft 5 ft

ANCHORS

FRAME TIES

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

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)

Manufacturer Silver

Longitudinal Stabilizing Device w/ Lateral Arms

Manufacturer Silver

OTHER TIES

Sidewall

Longitudinal

Marriage wall

Shearwall

Mobile Home Permit Worksheet

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 1501 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 1502

TORQUE PROBE TEST

The results of the torque probe test is N/A 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

Wendell Gross

Date Tested

1-20-21

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. 39

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. 39
Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. 39

Department of Growth Management
Building Division

Page 2 of 2

Permit Number:

Date:

Site Preparation

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

Fastening multi wide units

Floor: Type Fastener: Lag Length: 18" Spacing: 16" O.C.
Walls: Type Fastener: Screws Length: 2 1/2" Spacing: 16" O.C.
Roof: Type Fastener: Screws Length: 3" Spacing: 24" O.C.
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

W

Type gasket Pg. 13

Foam

Installed:

Between Floors Yes
Between Walls Yes
Bottom of ridgebeam Yes

Weatherproofing

The bottomboard will be repaired and/or taped. Yes
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
Dryer vent installed outside of skirting. Yes
Range downflow vent installed outside of skirting. Yes
Drain lines supported at 4 foot intervals. Yes
Electrical crossovers protected. Yes
Other: N/A

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

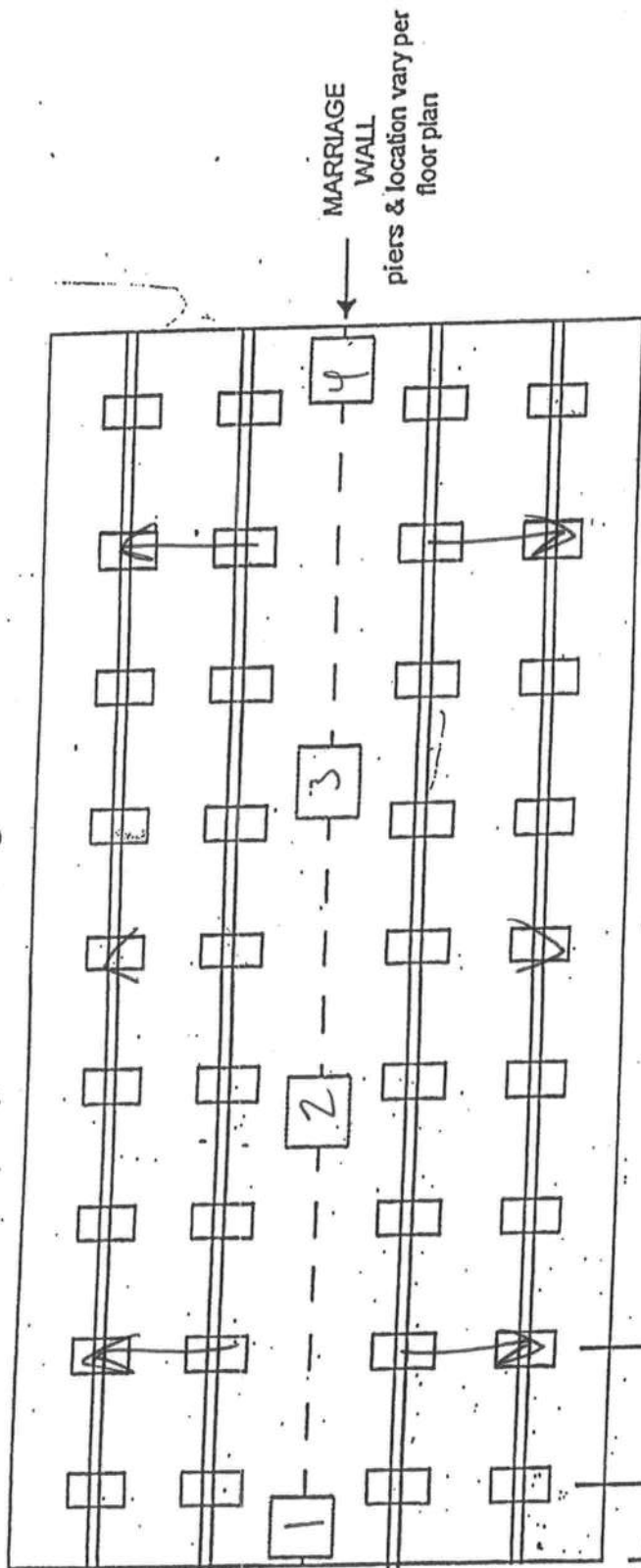
Installer Signature

Wendell Gross

Date: 1-20-21

BLOCKING PLAN

Manufacturer 28 X 56
 Width x length



Soil Bearing Capacity

1500

Probe test / anchor length

N/A

4' ± 5' on loads over 3150 #

I-beam Pier Pad size

17 X 25

Marriage Wall Pier Pad Sizes

1 16 X 16 5

Manual

Pier Spacing based on
 for 150 PSF Soil.

2 17 X 25 6

3 17 X 25 7

4 16 X 16 8

Perimeter Pier Pad Sizes

16 X 16

DOORS



MARVEL

TRU28564A

1,475 sq ft // 4 beds // 2 baths



The home series and floor plans shown all have starting prices within the price range indicated. Your local Home Center can quote you specific prices and terms of purchase for specific homes. TRU invests in continuous product and process improvement. All home series, floor plans, specifications, dimensions, features, materials, availability, and starting prices shown are artist's renderings or estimates and are subject to change without notice or obligation. Dimensions are nominal and length and width measurements are from exterior wall to exterior wall. Starting prices include the home only, plus typical delivery and installation. Starting prices do not include other costs such as taxes, title fees, insurance premiums, filing or recording fees, land or improvements to the land, optional home features, optional delivery or installation services, wheels and axles, community or homeowner association fees, or any other items not shown on your Retailer Closing Agreement and related documents (your RCA). Your RCA will show the details of your purchase. 2020 TRU. All rights reserved.

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.

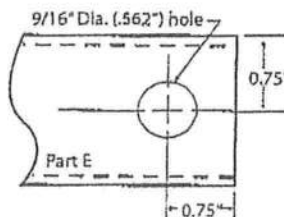
INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101-L "V")

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 3 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.**

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**INSTALLATION USING CONCRETE RUNNER/FOOTER**

15. A concrete runner, footer or slab may be used in place of the steel ground pan.
 - a) The concrete shall be minimum 2500 psi mix
 - b) A concrete runner may be either longitudinal or transverse, and must be a minimum of 8" deep with a minimum width of 16 inches longitudinally or 18 inches transverse to allow proper distance between the concrete bolt and the edge of the concrete (see below).
 - c) Footers must have minimum surface area of 441 sq. in. (i.e. 21" square), and must be a minimum of 8" deep.
 - d) If a full slab is used, the depth must be a 4" minimum. Special inspection of the system bracket installation is not required. Footers must allow for at least 4" from the concrete bolt to the edge of the concrete.

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

LONGITUDINAL: (Model 1101 LC "V")

16. When using Part# 1101-W-CPCA (wetset) simply install the bracket in runner/footer OR When installing in cured concrete use Part# 101-D-CPCA (dryset). The 1101 (dryset) CA bracket is attached to the concrete using (2) 5/8"x3" concrete wedge bolts (Simpson part # S162300H 5/8" X 3" or Powers equivalent). Place the CA bracket in desired location. Mark bolt hole locations, then using a 5/8" diameter masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the holes. Place wedge bolts into drilled holes, then place 1101 (dry set) CA bracket onto wedge bolts and start wedge bolt nuts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt). The sleeve of concrete wedge bolt needs to be at or below the top of concrete. Complete by tightening nuts.

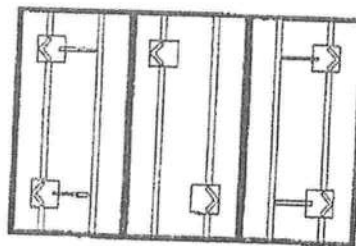
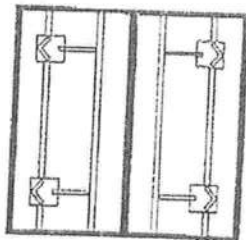
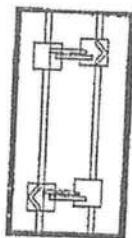
LATERAL: (Model 1101 TC "V")

17. For wet set (part # 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part # 1101-D-TACA) mark bolt hole locations, then using a 5/8" diam. masonry bit, drill a hole to a minimum depth of 3". Make sure all dust and concrete is blown out of the hole. Place wedge bolts (Simpson part #S162300H 5/8" X 3" or Powers equivalent) into (D) concrete dry transverse connector and into drilled hole. If needed, take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt), then remove the nut. The sleeve of concrete wedge bolt needs to be at or below the top of concrete.
18. When using part# 1101 CVW (wetset) or 1101 CVD (dryset), install per steps 17 & 18.

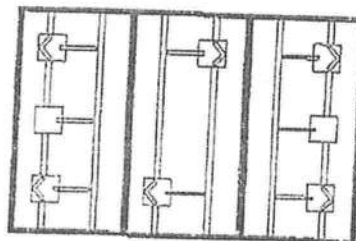
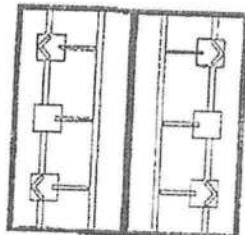
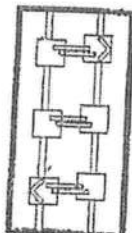
Notes:

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

ALL WIDTHS AND LENGTHS UP TO 52'

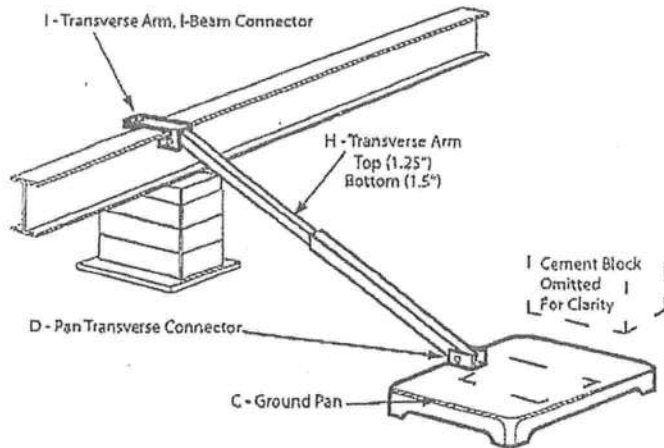
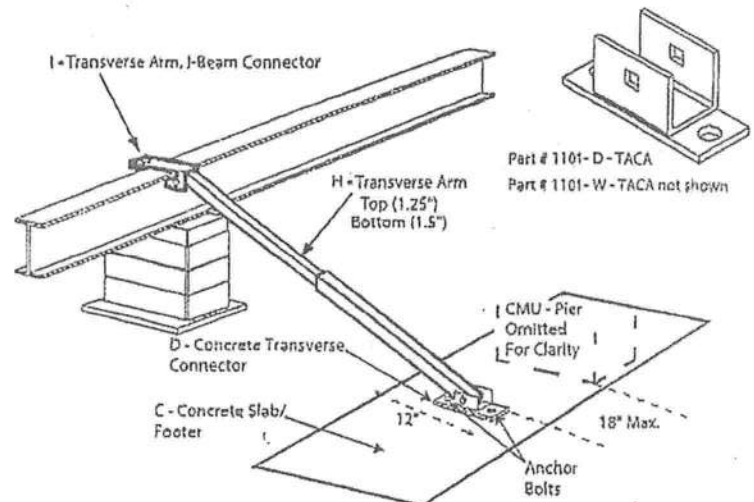


ALL WIDTHS AND LENGTHS OVER 52' TO 80'



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

PATENT# 6634150 & OTHER PATENT PENDING

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

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

C = GROUND PAN / CONCRETE FOOTER OR RUNNER

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

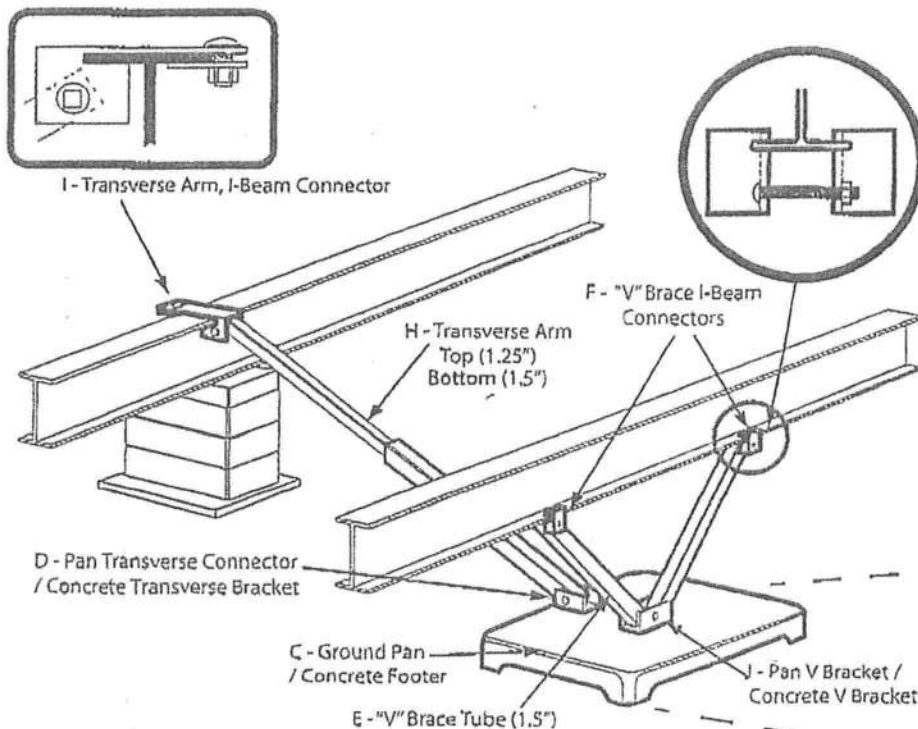
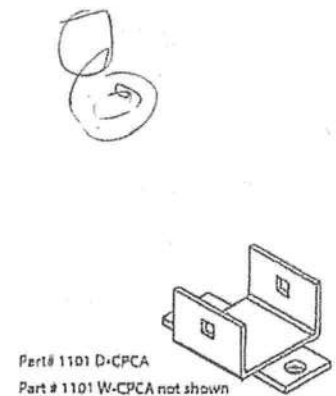
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

F = "V" BRACE I-BEAM CONNECTOR ASSEMBLY

H = TELESCOPING TRANSVERSE ARM ASSEMBLY

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

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

**Model # 1101 "V"****Model # 1101 C "V"**



Installation Instructions for ABS Pads For use on all Mobile and Manufactured Homes, including HUD approved Homes and Modular Building Patent #5503500 and other patents pending

GENERAL INSTRUCTIONS:

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

NOTES:

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

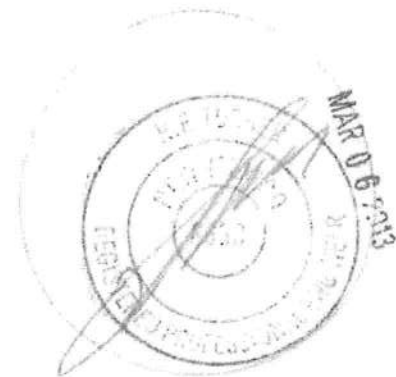
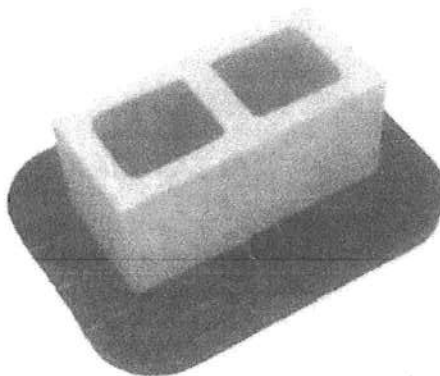
PAD SIZE	ID NO.	PAD AREA	1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
Oval 16" x 18.5"	1055-23/AIT-06-1000	288 sq. in.	2000 lbs.	3000 lbs.	4000 lbs.	5000 lbs.	6000 lbs.
Oval 17" x 22"	1055-16/AIT-06-1001	360 sq. in.	2500 lbs.	3750 lbs.	5000 lbs.	6250 lbs.	7500 lbs.
Oval 17.5" x 22.5"	1055-21	384 sq. in.	2667 lbs.	4000 lbs.	5334 lbs.	6667 lbs.	8000 lbs. *
Oval 17.5" x 25.5"	1055-17/AIT-06-1002	432 sq. in.	3000 lbs.	4500 lbs.	6000 lbs.	7500 lbs.	9000 lbs. *
Oval 21" x 29"	1055-22/AIT-06-1003	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *
Oval 23.25" x 31.25"	1055-20/AIT-06-1004	675 sq. in.	4688 lbs.	7032 lbs.	9376 lbs. *	11720 lbs. *	14064 lbs. *

PAD SIZE	ID NO.	PAD AREA	1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
Square 16" x 16"	1055-14/AIT-06-1005	256 sq. in.	1778 lbs.	2664 lbs.	3556 lbs.	4445 lbs.	5333 lbs.
Square 18.5" x 18.5"	1055-9/AIT-06-1006	342 sq. in.	2375 lbs.	3550 lbs.	4750 lbs.	5935 lbs.	7100 lbs.
Square 20" x 20"	1055-7/AIT-06-1007	400 sq. in.	2750 lbs.	4125 lbs.	5500 lbs.	6875 lbs.	8250 lbs. *
Square 24" x 24"	1055-13/AIT-06-1008	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *

* Indicates that Piers are required to be double blocked.

EXAMPLE: 16' x 80' section (Alabama only)

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



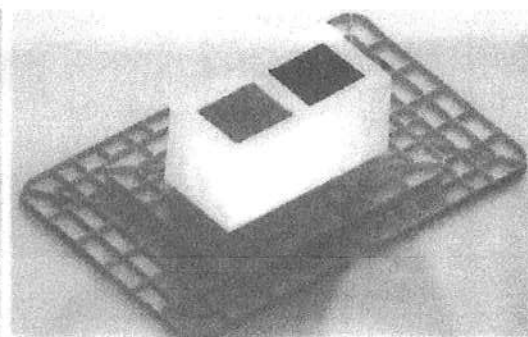
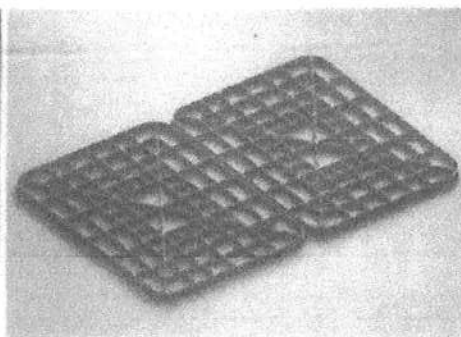
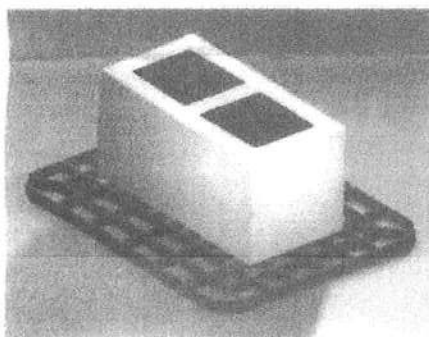
ENGINEER APPROVAL

Multi-Pad Configurations

ABS Pad Types			8" Cell Block		Soil Bearing Value	Maximum Load
Oval 16" x 18.5" Pad	2.00 Square Feet	ID # 1055-23/AIT-06-1000	32" x 18.5" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	4000 lbs.
Oval 32" x 18.5" Pad Configuration (03)	4.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	8000 lbs. #
Oval 17" x 22" Pad	2.50 Square Feet	ID # 1055-16-AIT-06-1001	34" x 22" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	5000 lbs.
Oval 34" x 22" Pad Configuration (03)	5.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	10000 lbs. #
Oval 17.5" x 25.5" Pad	3.00 Square Feet	ID # 1055-17/AIT-06-1002	35" x 25.5" Pad Configuration	Single Stack	1000 lbs. / sq. ft.	6000 lbs.
Oval 35" x 25.5" Pad Configuration (03)	6.00 Square Feet			Double Stack	2000 lbs. / sq. ft.	12000 lbs. #

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

PAD ASSEMBLY



STEP 1 - 17" x 22" ABS Pad

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

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

NOTES:

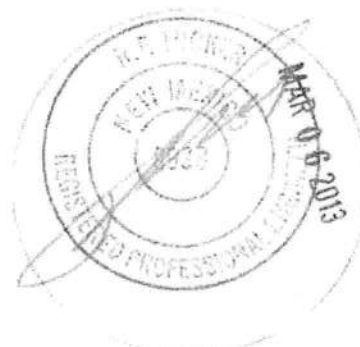
- General instructions (on reverse) apply to all multi – pad configurations.
- The 32" x 18.5" pad configuration is formed by using (3) 16" x 18.5" ABS Pads. Place (2) 16" x 18.5" side by side, and place (1) 16" x 18.5" on top, laid in the opposite direction to the bottom pads.
- The 34" x 22" pad configuration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

STATE SPECIFIC NOTES:

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

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

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



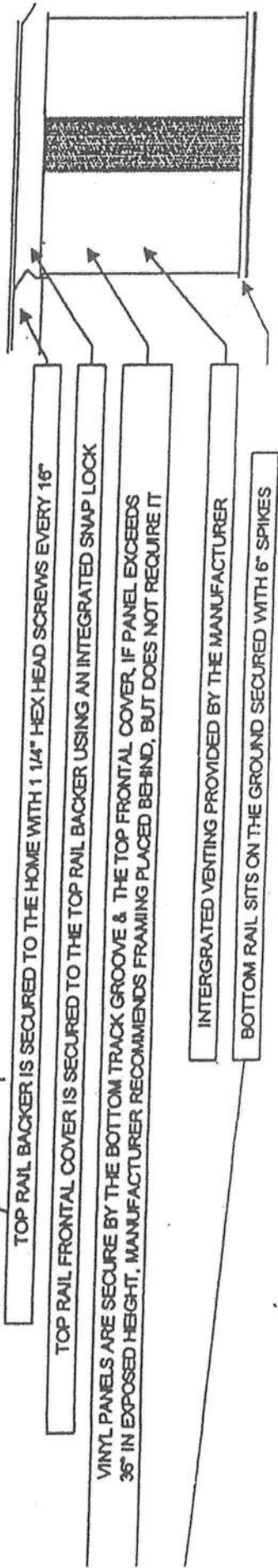
ENGINEER APPROVAL

VERTICAL VINYL SKIRTING

NAME: _____
SIZE: _____
HEIGHT: _____

THERE WILL BE TWO PANELS ON THE JOB SITE SECURE WITH PHILLIPS HEAD
SCREWS DEEMING THEM ACCESS PANELS

THE MANUFACTURER INTEGRATES VENTING IN EACH PANEL ((EQUIVLENT TO 15.5
SQUARE INCHES PER LINEAR FOOT OF PANEL))



TOP RAIL BACKER IS SECURED TO THE HOME WITH 1 1/4" HEX HEAD SCREWS EVERY 16"

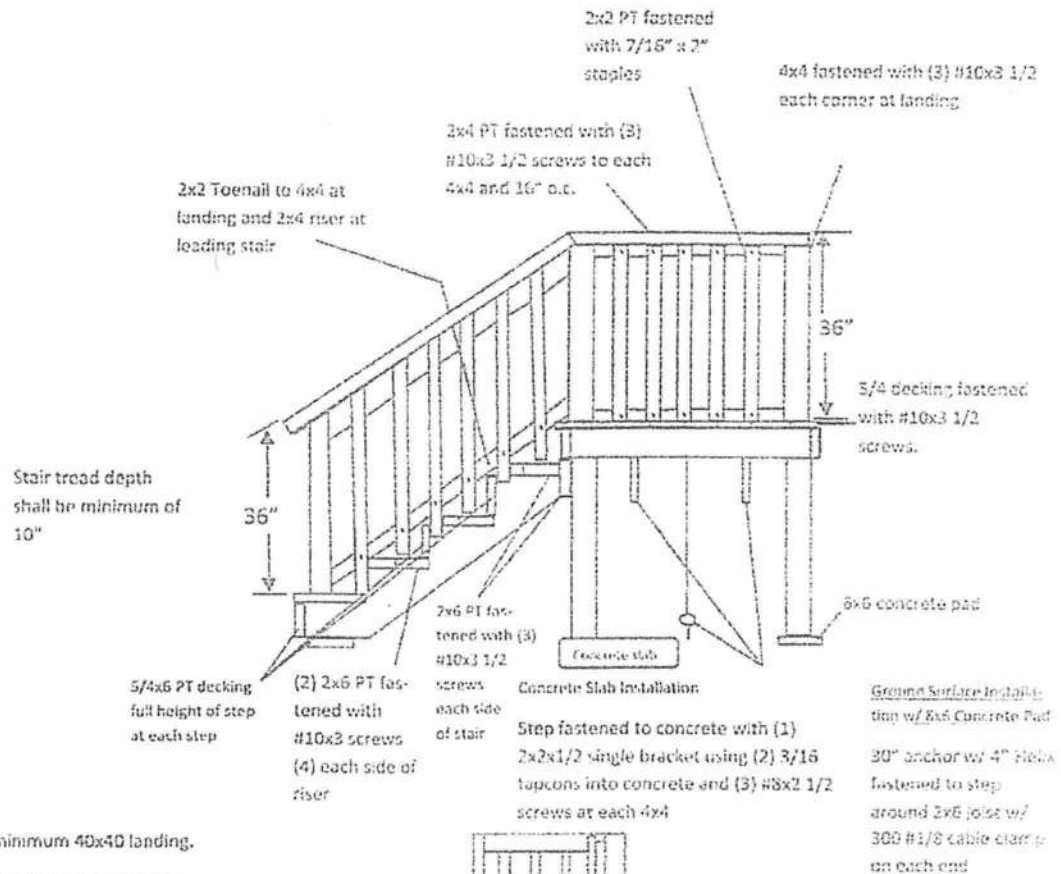
TOP RAIL FRONTAL COVER IS SECURED TO THE TOP RAIL BACKER USING AN INTEGRATED SNAP LOCK

VINYL PANELS ARE SECURE BY THE BOTTOM TRACK GROOVE & THE TOP FRONTAL COVER, IF PANEL EXCEEDS
36" IN EXPOSED HEIGHT, MANUFACTURER RECOMMENDS FRAMING PLACED BEHIND, BUT DOES NOT REQUIRE IT

INTERGATED VENTING PROVIDED BY THE MANUFACTURER

BOTTOM RAIL SITS ON THE GROUND SECURED WITH 6" SPIKES

Step Diagram



Step has a minimum 40x40 landing.

Step has a riser from 4" to 7 3/4".

Handrail height shall be 34" to 38" above stair nosing.

Handrail shall return to guard/post.

Landing height to be no more than 1 1/2" below top of door threshold on out swing doors.

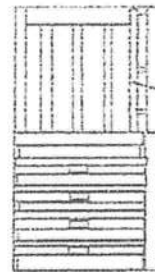
2x2 handrails 1/2" radius on all sides.

6x6 concrete pad under each 4x4 stringers. (not required if set on concrete)

vertical picket spacing less than 4"

Front Door Landing Height _____

Back Door Landing Height _____



2x2 safety rails fastened to inside of handrails from 34" to 38" using #10x3 1/2" screws at newel post with a minimum of 1 1/2" clearance for grasp ability.