

DATE 08/15/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000026134

APPLICANT DALE BURD PHONE 497.2311

ADDRESS POB 39 FT. WHITE FL 32038

OWNER KEN SMITH PHONE 321.514.7087

ADDRESS 463 NW SUGARCANE PLACE LAKE CITY FL 32055

CONTRACTOR DALE HOUSTON PHONE 386.752.7814

LOCATION OF PROPERTY 41-N TO SUWANNEE VALLEY ROAD,TL TO SUGARCANE PL,TL @ STOP
SIGN AND IT'S THE FRESHLY CLEARED LOT ON L.

TYPE DEVELOPMENT M/H/UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES

FOUNDATION WALLS ROOF PITCH FLOOR

LAND USE & ZONING A-3 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 21-2S-16-01689-116 SUBDIVISION SUWANNEE HILLS

LOT 16 BLOCK A PHASE UNIT TOTAL ACRES 5.00

IH0000040

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
PRIVATE	07-639	CFS	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD.

Check # or Cash 1896

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power	Foundation	Monolithic
date/app. by	date/app. by	date/app. by
Under slab rough-in plumbing	Slab	Sheathing/Nailing
date/app. by	date/app. by	date/app. by
Framing	Rough-in plumbing above slab and below wood floor	
date/app. by	date/app. by	
Electrical rough-in	Heat & Air Duct	Peri. beam (Lintel)
date/app. by	date/app. by	date/app. by
Permanent power	C.O. Final	Culvert
date/app. by	date/app. by	date/app. by
M/H tie downs, blocking, electricity and plumbing		Pool
	date/app. by	date/app. by
Reconnection	Pump pole	Utility Pole
date/app. by	date/app. by	date/app. by
M/H Pole	Travel Trailer	Re-roof
date/app. by	date/app. by	date/app. by

BUILDING PERMIT FEE \$	0.00	CERTIFICATION FEE \$	0.00	SURCHARGE FEE \$	0.00
MISC. FEES \$	200.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	11.16
		WASTE FEE \$	33.50		
FLOOD DEVELOPMENT FEE \$		FLOOD ZONE FEE \$	25.00	CULVERT FEE \$	
				TOTAL FEE	319.66
INSPECTORS OFFICE		CLERKS OFFICE			

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Ck 11896

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 9-22-08) Zoning Official afs 9/15/07 Building Official OKJTH 87307
 AP# 0708-26 Date Received 8/8/07 By LH Permit # 26134
 Flood Zone X Development Permit — Zoning A-3 Land Use Plan Map Category A-3
 Comments parcel 110

FEMA Map# _____ Elevation _____ Finished Floor _____ River _____ In Floodway _____
☒ Site Plan with Setbacks Shown ☒ EH Signed Site Plan ☐ EH Release ☒ Well letter ☐ Existing well
☒ Copy of Recorded Deed or Affidavit from land owner ☒ Letter of Authorization from installer
☒ State Road Access ☐ Parent Parcel # _____ ☐ STUP-MH _____

Property ID # 21-28-16-01689-116 Subdivision Lot 16 BIL A SUWANNEE Hills S/D

☒ New Mobile Home ☐ Used Mobile Home Year 2008

Applicant Dale Burd, Rocky Ford or Kelly Bishop Phone # 383-497-2311

Address P. O. Box 39, Fort White, FL, 32038

Name of Property Owner Ken Smith Phone# 321-514-7087

911 Address 463 NW Sugarcane Pl, Lake City FL 32055

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

Name of Owner of Mobile Home Ken Smith Phone # 321-514-7087
 Address 175 SW BULLDAG CEN, LC, FL, 32025

Relationship to Property Owner SAME

Current Number of Dwellings on Property 0

Lot Size 283 x 770 Total Acreage 5

Do you : Have Existing Drive or Private Drive or need Culvert Permit or Culvert Waiver (Circle one)
 (Currently using) (Blue Road Sign) (Putting in a Culvert) (Not existing but do not need a Culvert)

Is this Mobile Home Replacing an Existing Mobile Home NO

Driving Directions to the Property

41 North, TL on SUWANNEE Valley Road, TL on SUGAR
CANE PLACE, AT STOP SIGN FRESHLY CLEARED LOT ON
1 RT

Name of Licensed Dealer/Installer Dale Houston Phone # 386-712-7814

Installers Address 136 SW BARRSHEN, LAKE CITY, FL, 32024

License Number FH 0000040 Installation Decal # 278727

40/110

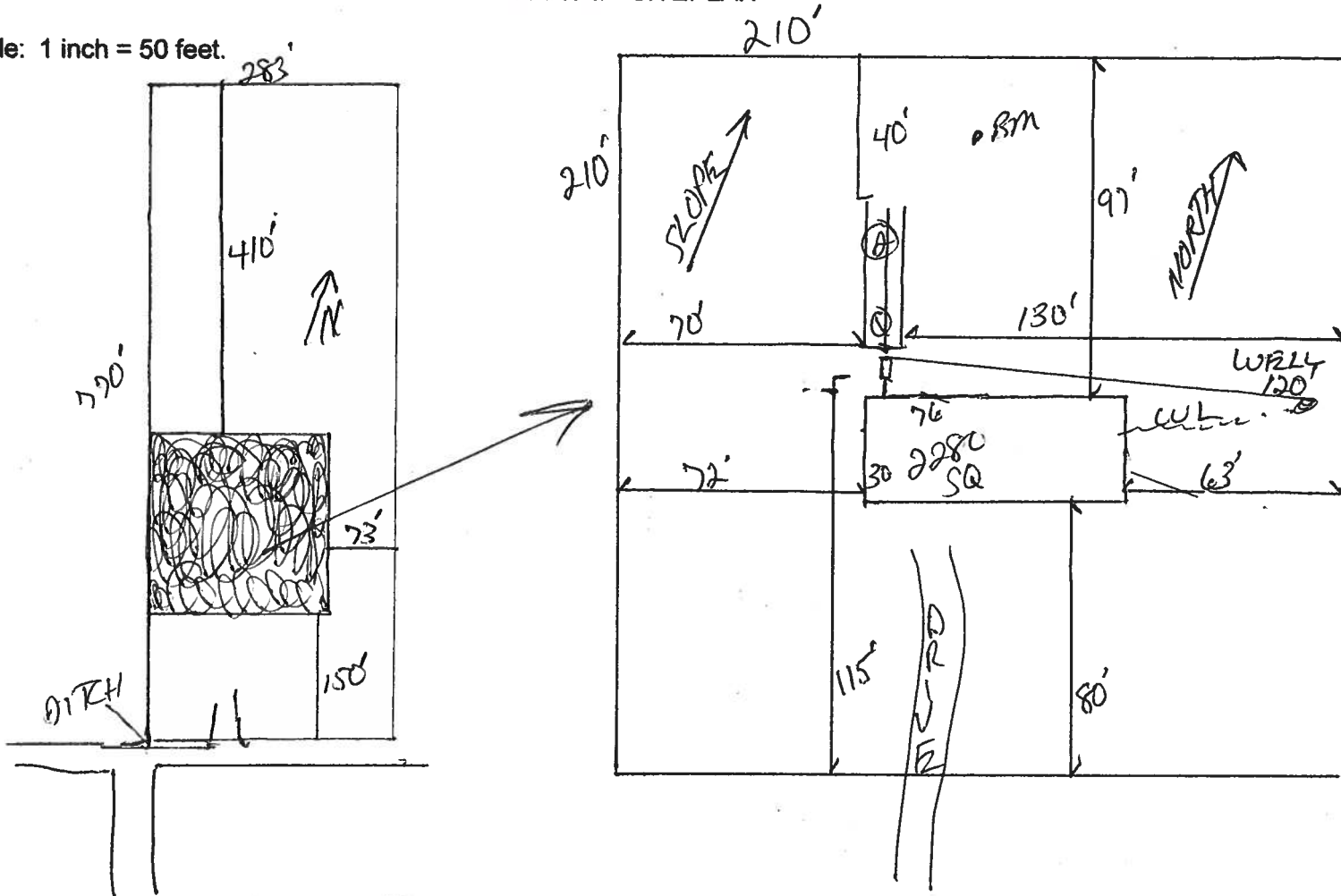
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

SMITH

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: 1 of 5 ACRES

Site Plan submitted by: [Signature]

MASTER CONTRACTOR

Plan Approved _____

Not Approved _____

Date _____

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

A & B Well Drilling, Inc.
5673 NW Lake Jeffery Road
Lake City, FL, 32055
386-758-3409

8/8/2007

To: Columbia County Building & Zoning Department

Description of well to be installed for Customer:

Located at Address:

SMITH
NW SUGAR CANE PLACE

1 hp 20 gpm- 1 1/4" drop over 82 gallon equivalent captive tank with cycle stop and back flow prevention. With SRWM permit.

William Bias
William Bias

Prepared by and return to:

Kathryn Lilly
Employee
Haile Title Company, LLC
219 SE Baya Dr.
Lake City, FL 32025
386-754-6600
File Number: LC07-048
Will Call No.:

Inst: 200712015097 Date: 7/6/2007 Time: 3:52 PM
Doc Stamp-Deed: 300.30

GC, P. DeWitt Cason, Columbia County Page 1 of 2

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 5th day of July, 2007 between Daren M. Bennett and Laura E. Bennett, husband and wife whose post office address is 113 Laurel Way, West Palm Beach, FL 33411, grantor, and Ken W. Smith whose post office address is 175 SW Bulldawg Glen, Lake City, FL 32025, grantee:

(Whenever used herein the terms "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, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida to-wit:

Lot 16, Block A of SUWANNEE HILL SUBDIVISION, according to the Plat thereof as recorded in Plat Book 5, Page(s) 70, of the Public Records of Columbia County, Florida.

Parcel Identification Number: 21-2S-16-01689-116

Subject to taxes for 2007 and subsequent years; covenants, conditions, restrictions, easements, reservations and limitations of record, if any.

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, 2006.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

DoubleTimes

Signed, sealed and delivered in our presence:

[Signature]
Witness Name: AMANDA R. DeCicca

[Signature] (Seal)
Daren M. Bennett

[Signature]
Witness Name: JOHN MAGEE

[Signature] (Seal)
Laura E. Bennett

State of Florida
County of Palm Beach

The foregoing instrument was acknowledged before me this 3 day of July, 2007 by Daren M. Bennett and Laura E. Bennett, who ☐ are personally known or ☒ have produced a driver's license as identification.

[Notary Seal]

Michelle L Morris
Notary Public

Printed Name: Michelle L Morris

My Commission Expires: _____



LIMITED POWER OF ATTORNEY

I, Dale Houston, License # TH-0000040 do hereby authorize Dale Burd, Rocky Ford
or Kelly Ford to be my representative and act on my behalf in all aspects of
applying for a **MOBILE HOME PERMIT** to be installed any of the following
Counties; Alachua, Baker, Bradford, Columbia, Dixie, Gilchrist, Hamilton,
Lafayette, Levy, Madison, Suwannee & Union. This Power of attorney is valid thru
9/30/07.

Dale Hst

(Signature)

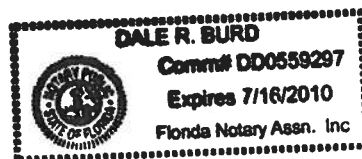
10-16-06

(Date)

Sworn and subscribed before me this 16 day of OCT, 2006.

[Signature]
Notary Public

Personally Known: _____
Produced ID (Type): _____



MOBILE HOME INSTALLER AFFIDAVIT

As per Florida Statutes Section 320.8249 Mobile Home Installers License:

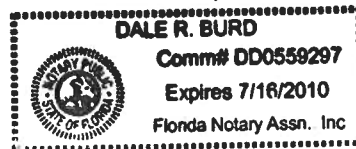
Any person who engages in mobile home installation shall obtain a mobile home installer's license from the Bureau of Mobile Home and Recreational Vehicle Construction of the Department of Highway Safety and Motor Vehicles pursuant to this section. Said License shall be renewed annually, and each licensee shall pay a fee of \$150.

I, Dale Houston, license number IH - 0000040 do hereby state that the installation of the manufactured home for (applicant) Dale Burd, Rocky Ford or Kelly Bishop (customer name) Smith in Columbia County will be done under my supervision.

Dale Houston
Signature

Sworn to and subscribed before me this 7 day of Aug, 2007.

Notary Public: [Signature]



PERMIT NUMBER

Installer

DAE Houston License # JH000045

Address of home being installed

NW Sugar Grove BLVD

Manufacturer

Southern Energy length x width 76 x 32

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.

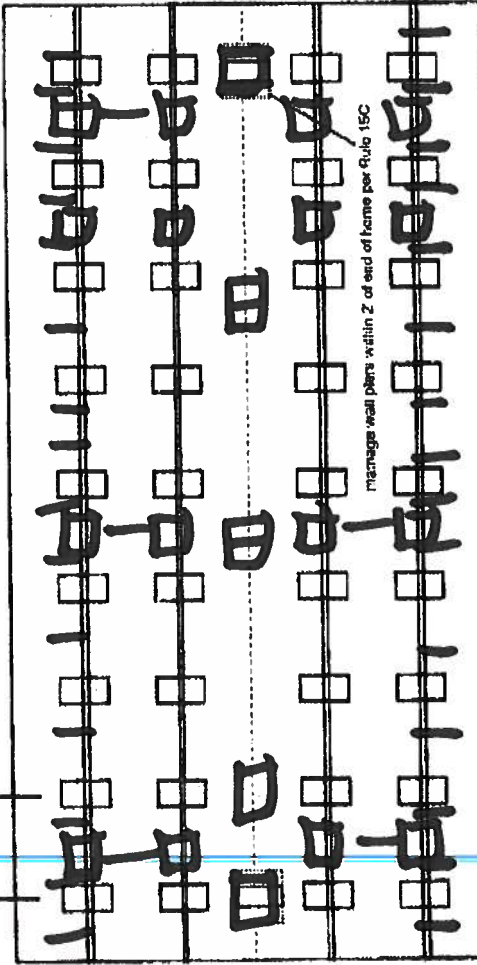
Installer's initials

DH

Typical pier spacing



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



marriage wall piers within 2' of end of home per Rule 15C

32x76-1000 soil 23x31

Piers-13 per side L's 01c

anchors 15 per side S140K

6-60s it which side

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 # 278727

Triplet/Quad ☐ Serial #

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	10' 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'	4'	5'	6'	7'	8'
1500 psf	4' 6"	6'	6'	7'	8'	8'	8'
2000 psf	6'	8'	8'	8'	8'	8'	8'
2500 psf	7' 6"	8'	8'	8'	8'	8'	8'
3000 psf	8'	8'	8'	8'	8'	8'	8'
3500 psf	8'	8'	8'	8'	8'	8'	8'

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

PIER PAD SIZES

I-beam pier pad size 23x31

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

ANCHORS

4 ft 5 ft

FRAME TIES

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

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)

Manufacturer

Longitudinal Stabilizing Device w/ Lateral Arms

Manufacturer

OTHER TIES

Number

Sidewall

Longitudinal

Marriage wall

Shearwall

Oliver Technologies Construction

PERMIT NUMBER

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.

X _____ X _____ X _____

TORQUE PROBE TEST

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

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

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.

Plumbing

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

Site Preparation

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

Fastening multi wide units

Floor: Type Fastener: _____ Length: _____ Spacing: _____
Walls: Type Fastener: _____ Length: _____ Spacing: _____
Roof: Type Fastener: _____ Length: _____ Spacing: _____
For used homes a 1/2" 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

Type gasket

Installed:

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

Weatherproofing

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

Miscellaneous

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

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

Installer Signature _____ Date 7-17-07

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 8/8/2007 DATE ISSUED: 8/9/2007

ENHANCED 9-1-1 ADDRESS:

463 NW SUGARCANE
LAKE CITY FL 32055

PL

PROPERTY APPRAISER PARCEL NUMBER:

21-28-16-01689-116

Remarks:

LOT 16 BLOCK A SUWANNEE HILLS S/D

Application # 0708-26
Ken W. Smith

Address Issued By: 

Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

AUG 09 2007

911 Addressing/GIS Dept

FAKED Kristina
8-9-07

STATE OF FLORIDA
DEPARTMENT OF HEALTH

07 639

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

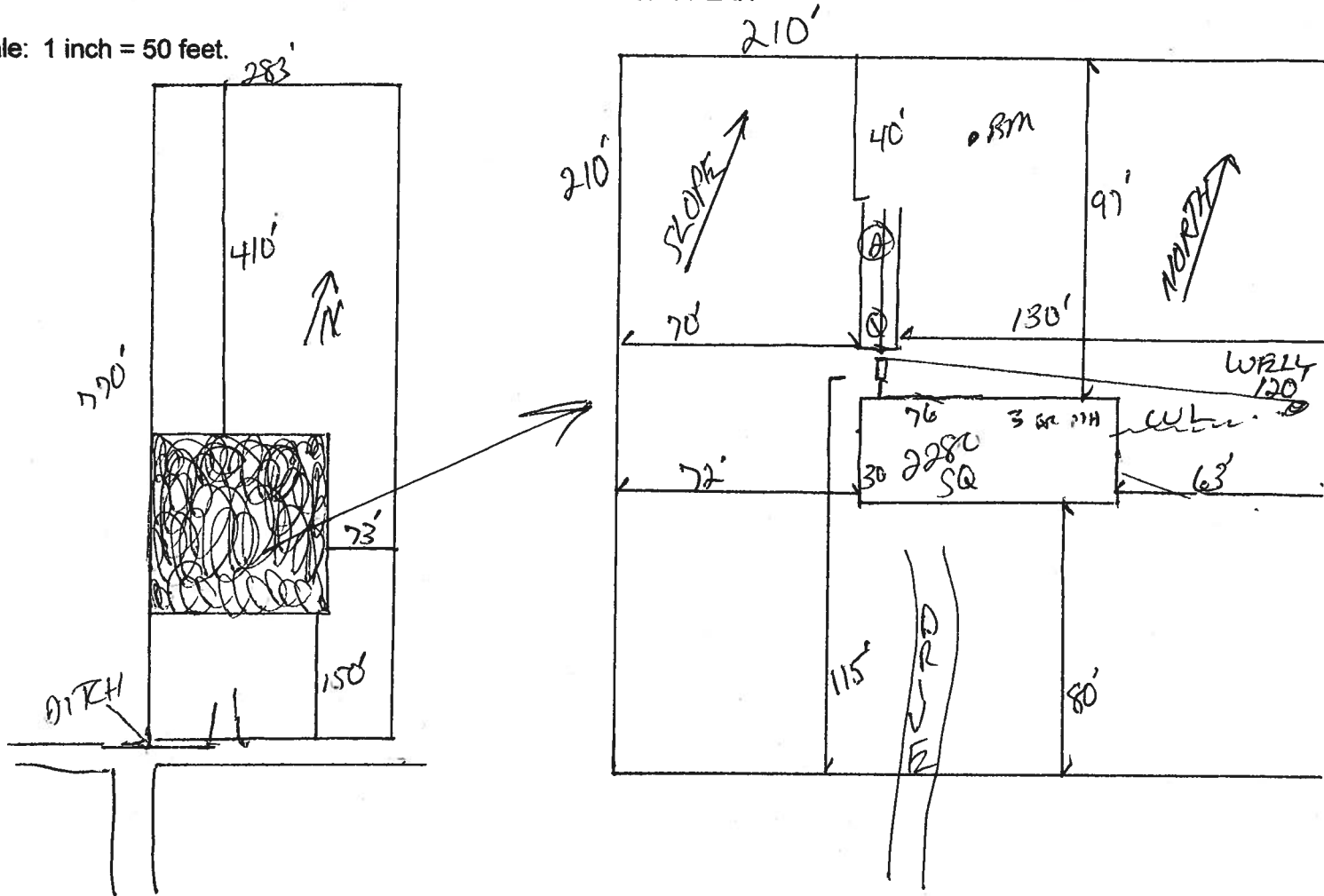
Permit Application Number _____

0708-26

SMITH

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: 1 of 5 ACRES

Site Plan submitted by: Rock 77-0

Plan Approved APPROVED

By APPROVED

MASTER CONTRACTOR

Date 8/14/17

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

CERTIFICATE OF COMPLIANCE

M/H OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 21-2S-16-01689-116

Building permit No. 000026134

Permit Holder WENDELL CREWS

Owner of Building KEN SMITH

Location: 463 NW SUGARCANE PLACE, LAKE CITY, FL

Date: 09/13/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

26134

HUEY HAWKINS P.E.
Fort White, FL, 32038
386-497-3991

August 30, 2007

To: Columbia County Building Department

Subject: Lot 16 Suwannee Hills
Permit # 26134
Parcel Number 21-2S-16-01689-116

I understand a mobile home is to be placed on this parcel. The home is to be placed a minimum of 24 inches (3 concrete blocks) above natural ground to the bottom of the frame, to prevent water damage.



Huey R. Hawkins
P.E. 33665

PERMIT WORKSHEET

page 1 of 2

PERMIT NUMBER

26134

Owner

Wendell Cross

License #

IHO000629

Address of home being installed

Manufacturer

Southern Energy

Length x width

76X32

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 lies exceed 5 ft 4 in.

Installer's initials

WLC

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 #

288196

Triple/Quad



Serial #

18579

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity (sq ft)	Footer size (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

23x31

Perimeter pier pad size

16x16

Other pier pad sizes (required by the mfg.)

16x16 doors

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 7'7" Pier pad size 21x29

POPULAR PAD SIZES

Pad Size	Sq ft
16 x 16	256
16 x 18	288
18.5 x 18.5	342
15 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	448
24 x 24	576
26 x 26	676

ANCHORS

4 in 5 in

FRAME TIES

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

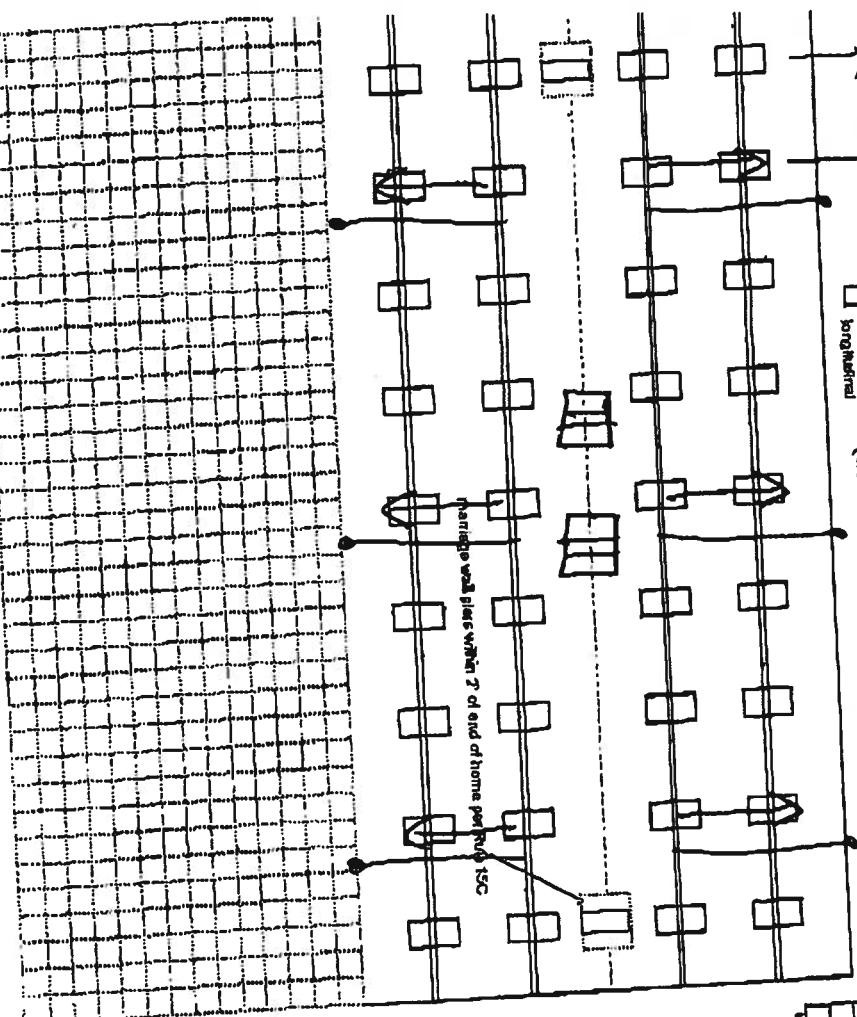
OTHER TIES

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer
Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer
OLIVER 11011

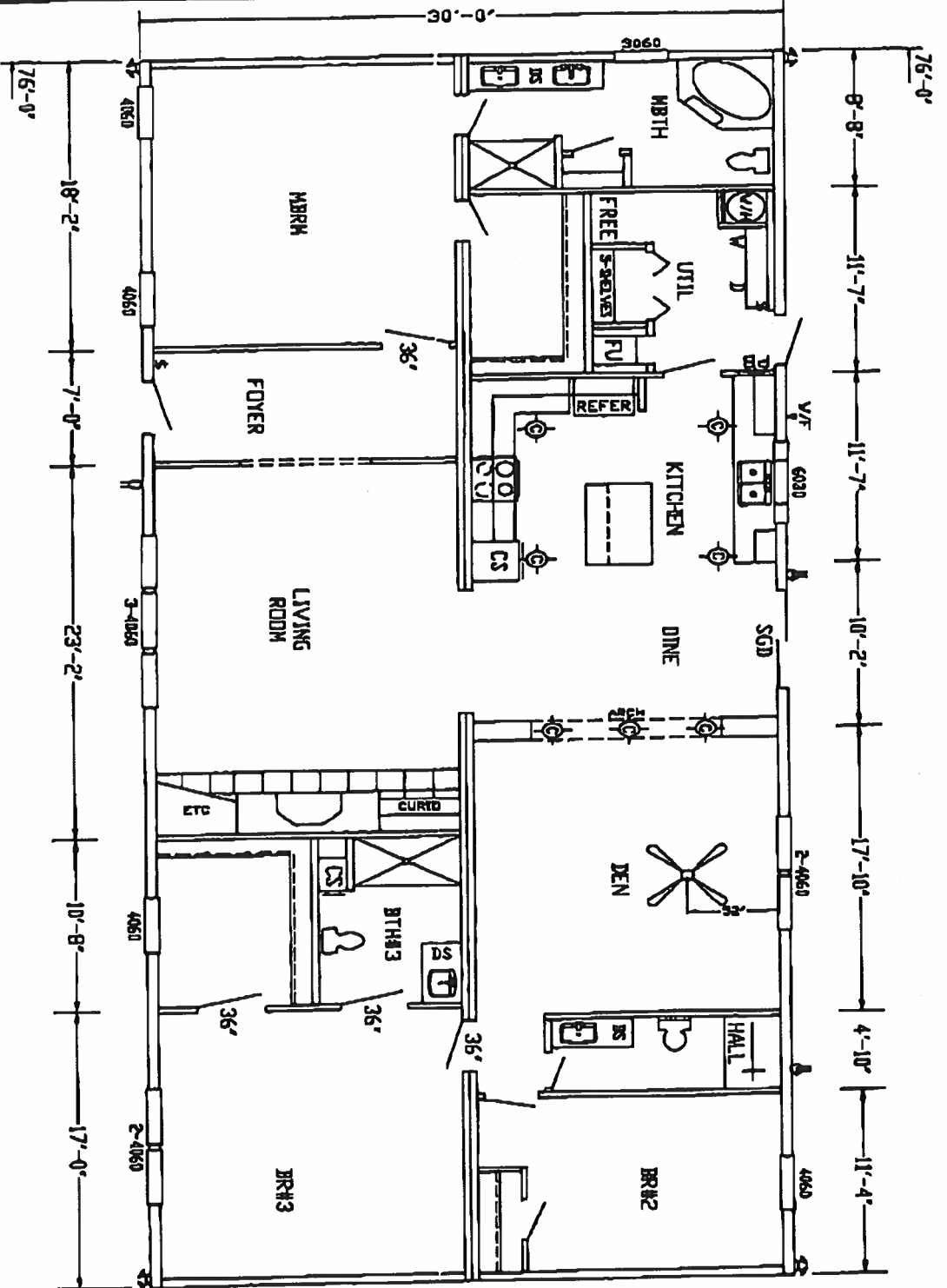
Sidewall
Longitudinal Marriage wall
Shearwall

Number
5490C
N/A
4



ATTN: Darrin
From: Casey

CUSTOMER "SMITH"

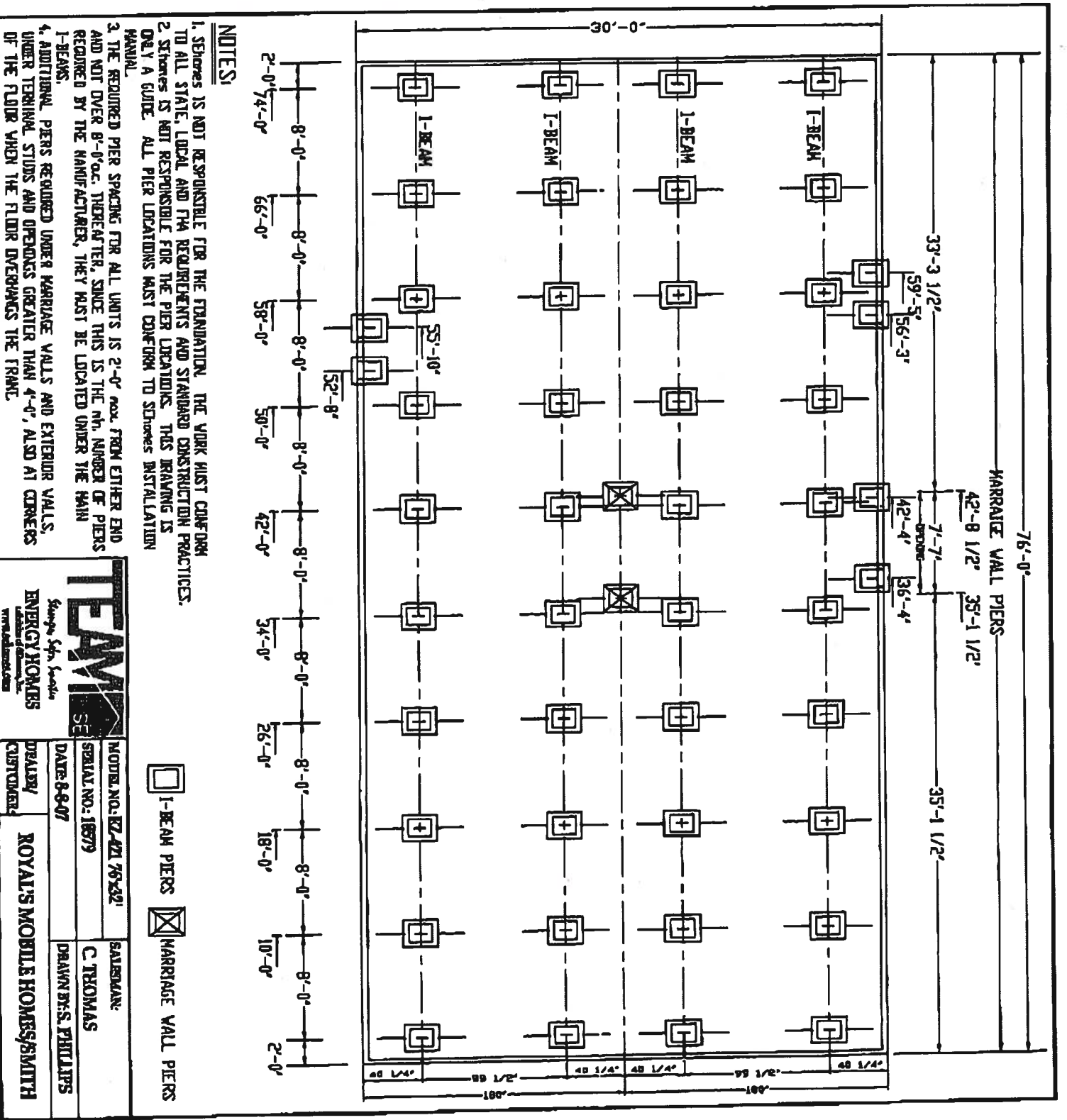


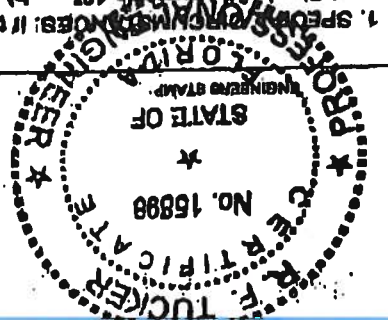
NAME: ROYAL-SMITH Dwg Dwg DATE: AUG 02, 2007 TIME: 4:02 PM

TEAM Energy Solutions ENERGY HOMES Mobile Homes Division, Inc. www.teamenergy.com	
MODEL NO.: DV-471 78/32	SALESMAN:
SERIAL NO.: 1879	C. THOMAS
DATE: 7-24-07	DRAWN BY: S. PHILLIPS
DEALER/ CUSTOMER:	ROYAL'S MOBILE HOMES/SMITH

ATTN: DUSTIN
FROM: CASEY

Customer "SMITH"





OLIVER TECHNOLOGIES, INC.
 FLORIDA INSTALLATION INSTRUCTIONS FOR THE
 MODEL 1101 "V" BRACE SYSTEM (STEPS 1-10)
 MODEL 1101 "V" LONGITUDINAL SYSTEM ONLY
 FOLLOW STEPS 1-10
 FOR ADDING LATERAL ARM:
 FOLLOW STEPS 10-15

1. SPECIAL CONDITIONS: If the following conditions occur - STOP! Contact Oliver Technologies at 1-800-284-7437:
- a) Pier height exceeds 48"
 - b) Length of home exceeds 70'
 - c) Roof eaves exceed 16'
 - d) Sidewall height exceeds 80'
- e) Location is within 1500 feet of coast

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 "J" brace I-beam. Press or drive pan firmly into soil until flush with or below soil.
- SPECIAL NOTE:** The longitudinal "V" brace system serves as a pier under the home and should be loaded as any other pier. It is recommended that after leveling piers, and one-half inch (1/2") before home is lowered completely on to piers, complete steps 4 through 8 below.

INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM

NOTE: WHEN INSTALLING THE MODEL 1101 "V" 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 & 375 LBS A FOOT ANCHOR MUST BE USED. IF READINGS BETWEEN 375 & 475 LBS A FOOT ANCHOR MAY BE USED. USE GROUND ANCHORS WITH DIAGONAL TIE AND STABILIZER PLATE EVERY 8'. VERTICAL TIES ARE ALSO REQUIRED ON HOMES SUPPLIED WITH VERTICAL TIE CONNECTION POINTS (PER FLORIDA REG.).

4. Select the correct square tube brace (E) length for set-up (pier) height at support location. (The 16" tube is always used as the bottom part of the longitudinal arm). Note: Either tube can be used by itself, cut and drilled to length as long as 40 to 45 degree angle is maintained.

PIER HEIGHT
 Approx. 45 degrees Max.)

24 3/4" to 32 1/4"	32"	16"
33" to 41"	44"	16"
40" to 48"	54"	16"

1.25" ADJUSTABLE Tube Length
 1.60" ADJUSTABLE Tube Length

6. Insert (Z) of the 1.50" square tube (E) (16" tube) into the "U" bracket (J). Insert carriage bolt and leave nut loose for adjustment.
6. Place I-beam connector (F) loosely on the bottom flange of the I-beam.
7. Slide the stabilized 1.25" tube (E) into a 1.60" tube (E) and attach to I-beam connector (F) and attach loosely with bolt and nut.
8. Repeat steps 6 through 7 to create the "V" pattern of the square tube loosely in place. The angle is not to exceed 45 degree and not below 30 degrees.
9. After all bolts are tightened, secure 1.25" and 1.60" tubes using foam (4) 1/4" x 3/4" self-tapping screws in pre-drilled holes.

INSTALLATION OF LATERAL TELESCOPIED TRANSVERSE ARM SYSTEM

THE MODEL 1101 "V" (LONGITUDINAL & LATERAL PROTECTION) ELIMINATES THE NEED FOR MOST TRAILER PLATE & FRAME TIES. NOTE: THE USE OF THIS SYSTEM REQUIRES SPECIAL TIES AS SHOWN AT 1-7.

FOUR FOOT (4') GROUND ANCHOR MAY BE USED EXCEPT WHERE THE HOME MANUFACTURER SPECIFICS DIFFERENT.

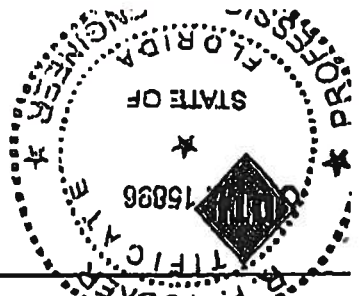
10. Install remaining vertical tie-down straps and 4' ground anchors per home manufacturer's specifications for sidewall anchor loads in excess of 4,000 lbs. require a 5' anchor.

11. NOTE: Each system is required to have a frame tie and stabilizer attached at each lateral arm stabilizing location. This frame tie & stabilizer plate needs to be located within 18" from center ground pan.
12. 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.)
13. Insert the 1.50" transverse brace (H) to the ground pan connector (C) with bolt and nut.
14. Slide 1.25" transverse brace into the 1.50" brace and attach to adjacent I-beam connector (1) with bolt and nut.
15. Secure 1.50" transverse arm using foam (4) 1/4" x 3/4" self-tapping screws in pre-drilled holes.

MANUFACTURED HOME FOUNDATION SYSTEMS
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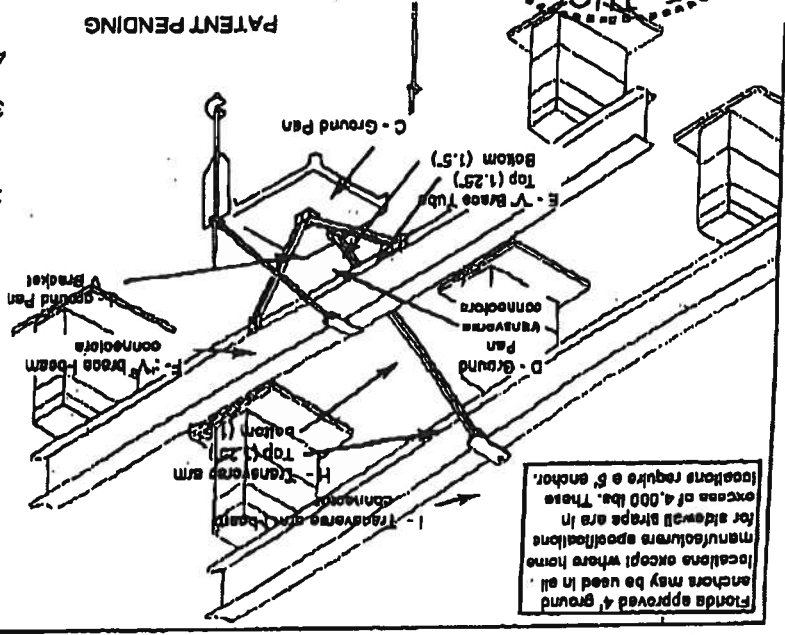
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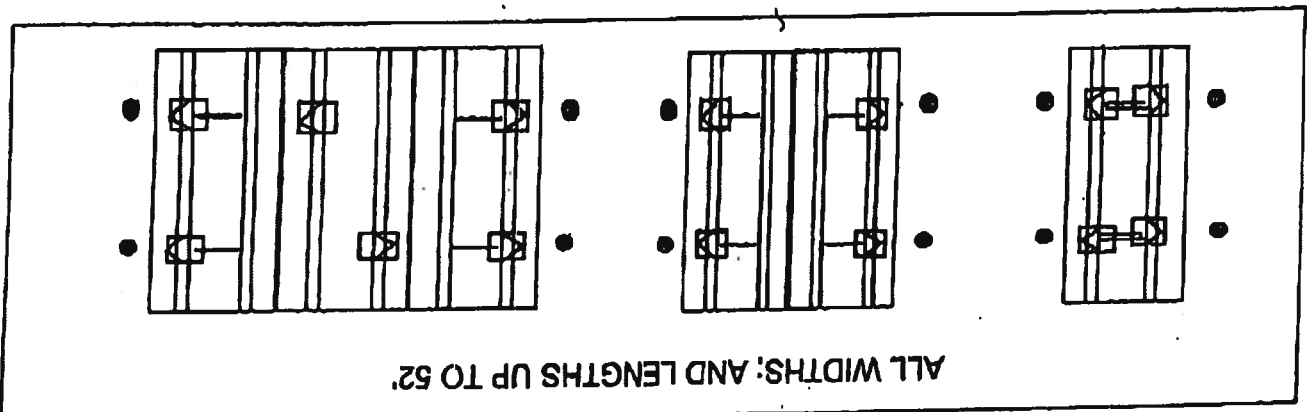
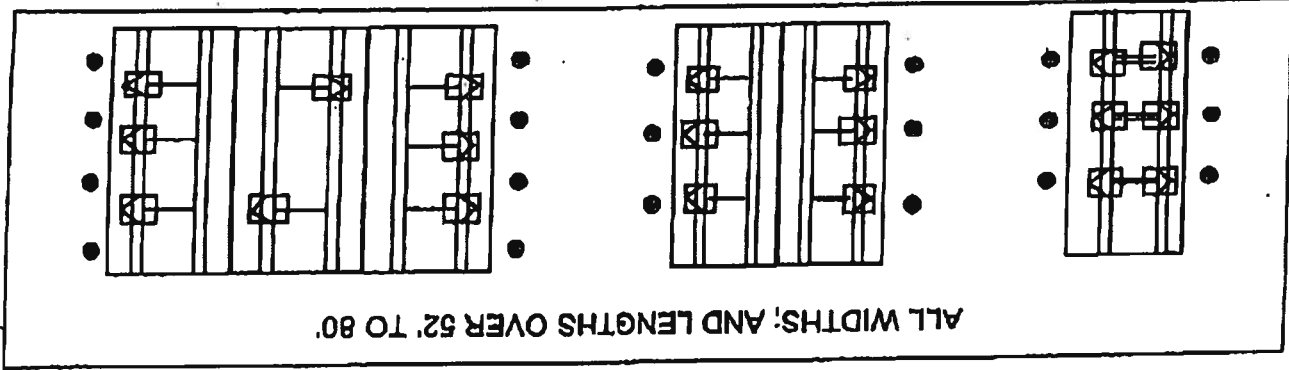


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- REVISED INSTRUCTIONS 4/23/03
- NOTES:
1. LENGTH OF HOUSE IS THE ACTUAL BOX SIZE
 2. ● = STABILIZER PLATE AND FRAME THE LOCATION (needs to be located within 18" from center of ground pan)
 3. □ = LOCATION OF ASF MODEL 1101-V
 4. □ = LOCATION OF MODEL 1101-L-V (LONGITUDINAL BRACING ONLY)
- LEGEND:
- C = GROUND PAN
 - D = GROUND PAN CONNECTOR
 - E = TELESCOPING V BRACE
 - F = V BRACE I-BEAM CONNECTOR
 - H = TELESCOPING TRANSVERSE ARM ASSEMBLY
 - I = TRANSVERSE ARM I-BEAM ASSEMBLY
 - J = V PAN BRACKET



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'. One stabilizer plate and frame the required at each lateral bracing system.



REQUIRED NUMBER AND LOCATION OF MODEL 1101 "V" BRACES FOR UP TO 4/12 ROOF PITCH



Installation Instructions for ABS Pads

For use on all Mobile and Manufactured Homes, including HUD approved Homes and Modular Housing

Patent # 5,503,500 and other patents pending

GENERAL INSTRUCTIONS

1. All pads are to be installed flat and down, ribbed side up.
2. The ground under the pads should be leveled as smooth as possible with all vegetation removed. Pads to be placed on fully compacted or undisturbed soil, or on below the frost-line, or on (local) jurisdiction.
3. Pits for pad spacing will be determined by the manufacturer's set-up instructions or any local or state codes.
4. The open cells between the ribs 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.
5. A pocket gauge/compass may be used to determine the actual soil bearing value. If soil-testing equipment is not available, use an assumed soil value of 1,000 lbs. / square foot.
6. All pad sizes shown are nominal dimensions and may vary up to 1/8".
7. 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 3/8")
8. In most areas, a 6" deep confined gravel base installed in well drained, non-frost susceptible soil is recommended.
9. Pad loads are the same when using single stack or double stack blocks.
10. The maximum load at any intermediate soil value may be determined as the average of the next lower and next higher soil values given in the table below.
11. Any configuration (see reverse side) may be used to replace a base manufacturer's recommended concrete or wood base pad.
12. If the home manufacturer shows soil densities greater than 3,000 lb. when using ADS pads, do not exceed 3,000 lb. soil per spacing.

Pad Size		ID No.		Pad Area		1000 PSP Soil		2000 PSP Soil		3000 PSP Soil	
OVAL 16" x 18.5"	1055-23	288 sq. in.	2000 lbs.	2500 lbs.	3000 lbs.	4000 lbs.	4000 lbs.	5000 lbs.	7500 lbs.	8000 lbs.	6000 lbs.
OVAL 17" x 22"	1055-16	360 sq. in.	2500 lbs.	2667 lbs.	3000 lbs.	3534 lbs.	5000 lbs.	6000 lbs.	8000 lbs.	9000 lbs.	7500 lbs.
OVAL 17.5" x 22.5"	1055-21	384 sq. in.	2667 lbs.	3000 lbs.	3534 lbs.	5000 lbs.	6000 lbs.	8000 lbs.	9000 lbs.	12000 lbs.	9388 lbs.
OVAL 17.5" x 25.5"	1055-17	432 sq. in.	3000 lbs.	4000 lbs.	5000 lbs.	6000 lbs.	8000 lbs.	9388 lbs.	12000 lbs.	15000 lbs.	12000 lbs.
OVAL 21" x 29"	1055-22	576 sq. in.	4000 lbs.	4700 lbs.	5500 lbs.	6500 lbs.	8000 lbs.	9388 lbs.	12000 lbs.	15000 lbs.	12000 lbs.
OVAL 23.25" x 31.25"	1055-20	675 sq. in.	4694 lbs.	5500 lbs.	6500 lbs.	8000 lbs.	9388 lbs.	12000 lbs.	15000 lbs.	18000 lbs.	15000 lbs.
Pad Size		ID No.		Pad Area		1000 PSP Soil		2000 PSP Soil		3000 PSP Soil	
16" x 16"	1055-14	256 sq. in.	1780 lbs.	2560 lbs.	3560 lbs.	4560 lbs.	5560 lbs.	6560 lbs.	7560 lbs.	8560 lbs.	5333 lbs.
16.5" x 18.5"	1055-9	342 sq. in.	2575 lbs.	3420 lbs.	4750 lbs.	5750 lbs.	6750 lbs.	7750 lbs.	8750 lbs.	9750 lbs.	7100 lbs.
18" x 20"	1055-7	400 sq. in.	2750 lbs.	3750 lbs.	5000 lbs.	6000 lbs.	7000 lbs.	8000 lbs.	9000 lbs.	10000 lbs.	8250 lbs.
24" x 24"	1055-13	576 sq. in.	4000 lbs.	5760 lbs.	7560 lbs.	9360 lbs.	11160 lbs.	12960 lbs.	14760 lbs.	16560 lbs.	8000 lbs.

- * Concrete blocks are required to be double blocked.
13. ALABAMA ONLY: The 16" x 16" ID# 1055-14, 16" x 18.5" ID# 1055-9, 16" x 22" ID# 1055-21, 17" x 22" ID# 1055-16, 17.5" x 22.5" ID# 1055-21, 17.5" x 25.5" ID# 1055-17, 21" x 29" ID# 1055-22, 23.25" x 31.25" ID# 1055-20 may not be installed in the State of Texas.
14. TEXAS ONLY: 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.
15. See chart below for details on correct installation in Alabama.
16. Available pads listed on 2000 PSP soil density are: ID# 1055-14, 1055-9, 1055-16, 1055-21, 1055-22, 1055-23, 1055-20, 1055-17, 1055-25, 1055-26, 1055-27, 1055-28, 1055-29, 1055-30, 1055-31, 1055-32, 1055-33, 1055-34, 1055-35, 1055-36, 1055-37, 1055-38, 1055-39, 1055-40, 1055-41, 1055-42, 1055-43, 1055-44, 1055-45, 1055-46, 1055-47, 1055-48, 1055-49, 1055-50, 1055-51, 1055-52, 1055-53, 1055-54, 1055-55, 1055-56, 1055-57, 1055-58, 1055-59, 1055-60, 1055-61, 1055-62, 1055-63, 1055-64, 1055-65, 1055-66, 1055-67, 1055-68, 1055-69, 1055-70, 1055-71, 1055-72, 1055-73, 1055-74, 1055-75, 1055-76, 1055-77, 1055-78, 1055-79, 1055-80, 1055-81, 1055-82, 1055-83, 1055-84, 1055-85, 1055-86, 1055-87, 1055-88, 1055-89, 1055-90, 1055-91, 1055-92, 1055-93, 1055-94, 1055-95, 1055-96, 1055-97, 1055-98, 1055-99, 1055-100.

PAD SIZE		1000 Lb Pst		2000 Lb Pst	
16" x 16" Pad	29"	6' 0"	8' 0"	6' 0"	8' 0"
16" x 18.5" Oval Pad	3' 0"	6' 0"	8' 0"	6' 0"	8' 0"
17" x 22" Oval Pad	3' 9"	6' 0"	8' 0"	6' 0"	8' 0"
17.5" x 22.5" Oval Pad	4' 0"	6' 0"	8' 0"	6' 0"	8' 0"
17.5" x 25.5" Oval Pad	4' 5"	6' 0"	8' 0"	6' 0"	8' 0"
21" x 29" Oval Pad	6' 0"	8' 0"	10' 0"	8' 0"	10' 0"

Example: 16" x 8" section

