

DATE 06/26/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024668

APPLICANT BO ROYALS PHONE 754-6737  
ADDRESS 4008 US HWY 90 WEST LAKE CITY FL 32055  
OWNER NEVIN & RHONDA MARKHAM PHONE  
ADDRESS 119 SE GILLEN TERR LULU FL 32061  
CONTRACTOR DALE HOUSTON PHONE 752-7814  
LOCATION OF PROPERTY HWY 100 R 241, R ON SE GILLEN TERR, BEHIND BRICK HOUSE  
ON RIGHT

TYPE DEVELOPMENT MH,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 35  
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 27-4S-18-10477-000 SUBDIVISION  
LOT BLOCK PHASE UNIT TOTAL ACRES

IH0000040  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
EXISTING 06-0551-E BK JJ N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, LETTER OF AUTHORIZATION FROM  
PARENTS INCLUDED

Check # or Cash 24975

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by  
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by  
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by  
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by  
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by  
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by  
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by  
M/H Pole date/app. by Travel Trailer date/app. by Re-roof 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 \$ 23.68 WASTE FEE \$ 49.00  
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 347.68

INSPECTORS OFFICE L. H. CLERKS OFFICE CH

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.

4347.68

# PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only

Zoning Official BLK / 6.06.06

Building Official OK JTH 3-13-06

AP# 0606-36

Date Received 6-13-06

By LH

Permit # 24668

Flood Zone X

Development Permit N/A

Zoning A-3

Land Use Plan Map Category A-3

Comments

\* need- letter of authorization from parents

FEMA Map # \_\_\_\_\_ Elevation \_\_\_\_\_ Finished Floor \_\_\_\_\_ River \_\_\_\_\_ In Floodway \_\_\_\_\_

☒ Site Plan with Setbacks shown

☒ Environmental Health Signed Site Plan

☐ Env. Health Release

☒ Well letter provided

☒ Existing Well

Revised 9-23-04

LOTS 516 2116 2117 2118

Property ID 00-00-00-10477-000 Must have a copy of the property deed

New Mobile Home None Used Mobile Home \_\_\_\_\_ Year 2006

Subdivision Information \_\_\_\_\_

Applicant William "Bo" Royals Phone # 754-6737

Address 4008 U.S. Hwy 90 West Lake City, FL 32055

Name of Property Owner Kevin Rhonda Markham Phone# \_\_\_\_\_

911 Address 1119 SE Gillen Terr. Lake City, FL 32061

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

Name of Owner of Mobile Home Richard Proulx Phone # 752-7499

Address 169 SE Gillen Terr. Lake City, FL 32061

Relationship to Property Owner Son (Nothing on Property now)

Current Number of Dwellings on Property 0

Lot Size \_\_\_\_\_ Total Acreage \_\_\_\_\_

Do you : Have an Existing Drive or need a Culvert Permit or a Culvert Waiver Permit

Driving Directions Hwy 100 to CR 241 turn Rt. 1st Paved Rd. on Rt. SE Gillen Terr. Behind Brick house on Rt.

Is this Mobile Home Replacing an Existing Mobile Home No

Name of Licensed Dealer/Installer Dale Houston Phone # 752-7814

Installers Address 136 S.W. Barrs Gln. Lake City, FL 32024

License Number IH000048 Installation Decal # 269227

All Horton Homes designed for Wind Zone 1 are anchored to the ground to resist wind forces with frame ties only. Horton Homes designed for Wind Zones 2 and 3 use both vertical and diagonal frame ties. Over-the-roof down straps may be used in conjunction with the frame ties if preferred for Zone 1. All shearwall vertical tiedown locations along the sidewall and marriage wall are identified by the manufacturer at the factory.

Zone 2 Wind Zone houses set up in Zone 1 Wind Zone areas need only comply with Zone 1 anchoring requirements.

Park straps or vertical ties may have been installed on this house. If so, it should be noted that park straps are provided to supplement and not replace the engineered anchoring system. Under no circumstances should the diagonal anchoring straps be replaced by vertical park straps.

The following procedure may be used for installing the anchor system.

1. Thread straps through the buckle and around the I-beam at the proper locations (See Illustration A or use locking frame clip as shown in Illustration B). See page 66 for singlewide locations and page 69 for doublewide locations (Wind Zones 2 & 3, page 79 for singlewide and page 82 for doublewide).
2. Install ground anchors per the manufacturer's instructions. Each anchor must be positioned so the final strap angle will be within the limits.
3. Attach the straps to the ground anchor tensioning device as per the anchor manufacturer's instructions. It is recommended that all straps be tightened only enough to remove the slack. Then after all straps are installed in this manner, retighten each strap.
4. The strap tension should be re-checked periodically until pier settlement has stopped. The house must not be leveled without first loosening the tiedown strap. After re-leveling, all straps must be re-tightened.

Frame Tie With Buckle

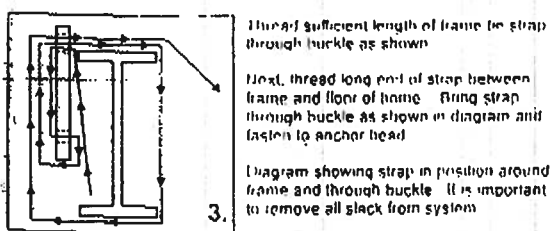
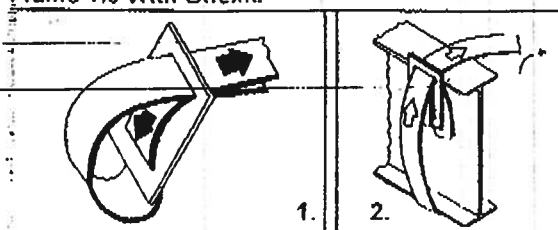


ILLUSTRATION A

**NOTE: PROTECTION SHALL BE PROVIDED AT SHARP CORNERS OF I-BEAM AND BRACKETS WHERE STRAPS MAYBE DAMAGED.**

LOCKING FRAME CLAMP II  
MMA-33 ASSEMBLED UNIT

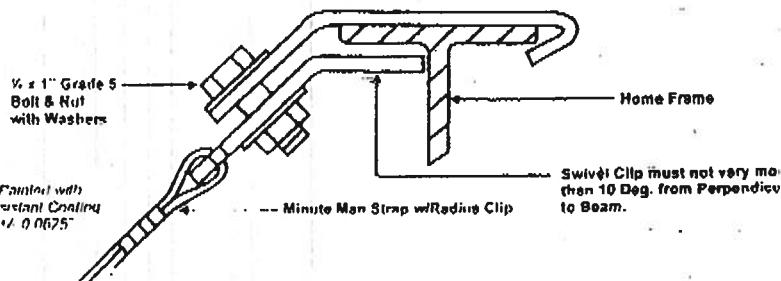


ILLUSTRATION B

### SOIL BEARING TEST

To determine the safe bearing capacity of soil, it shall be tested at the site location by loading an area of less than four (4) square feet to not less than twice the maximum bearing capacity desired for use. Such double load shall be sustained by the soil for a period of not less than forty-eight (48) hours with no additional settlement taking place, in order that such desired bearing capacity may be used.

Foundations should be built upon natural solid ground. Where solid ground does not occur at the foundation depth, such foundation shall be extended down to natural solid ground or piles should be used. Foundations built upon mechanically compacted earth or fill material are subject to the approval of local building officials to show evidence that the proposed loads will be adequately supported.

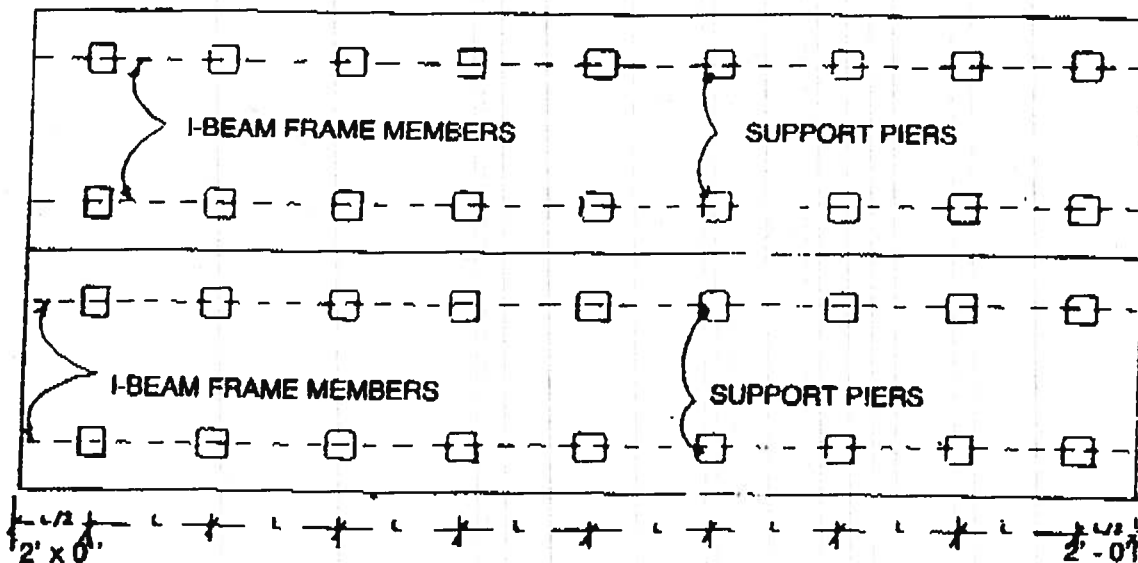
### PIER LOADS

There are several factors that control the numbers of piers required to support a home. The four most important factors are:

- (1) size of the home;
- (2) weight carrying capacity of the pier material;
- (3) soil bearing capacity; and
- (4) spacing between the individual piers.

Refer to tables 2 through 4 to determine the minimum size and location of individual footings and table 1 to determine the minimum strength requirements for individual piers.

**TABLE 1  
MINIMUM PIER CAPACITY TABLE**



Roof Live Load 20 psf	PIER LOAD	Piers at 4' On Center		Piers at 6' On Center		Piers at 8' On Center	
		12-wide (lbs.)	14-wide (lbs.)	12-wide (lbs.)	14-wide (lbs.)	12-wide (lbs.)	14-wide (lbs.)
		2112	2464	3168	3696	4224	4928

PERMIT NUMBER

PERMIT V

RKSHEET

page 12

POCKET PENETROMETER TEST

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

X        X        X       

*psf 1000*

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        much pounds or check here if you are declaring 5 ft 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 locations where the torque test reading is 275 or less and where the mobile home manufacturer may require anchors with 4000 lb. rapping capacity.

       Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name

Dale Horsh

Date Tested

6/8/05

Electrical

Connect electrical connections 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 N/A

Connect all potable water supply piping to an existing water meter, water lap, or other independent water supply systems. Pg N/A

Site Preparation

Debris and organic material removed ☒ Natural Swale ☒ Pail ☐ Other ☐

Fastening multi wide units

Floor: Type Fastener: L9C Length:        Spacing: 16" x 24"  
Walls: Type Fastener: STAP Length:        Spacing: 12"  
Roof: Type Fastener: L9C Length:        Spacing: 16" x 24"

For used in: 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 (see the proper fastening requirements)

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 slip of tape will not serve as a gasket.

Installer's initials

DH

Type gasket foam

Installed

Between Floors Yes ☒  
Between Walls Yes ☒  
Bottom of rafter/beam 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 ☒ N/A  
Drain lines supported at 4 foot intervals Yes ☒  
Electrical crossovers protected Yes ☒  
Other:       

Installer verifies all information given with this permit worksheet is accurate and true based on the

manufacturer's installation instructions and or Rule 15C-1.6.2

Installer Signature

Dale Horsh

Date

6/8/06

# PERMIT NUMBER

PERMIT W

KSHEET

Page 1 of 2

Installer

Dale Houston

License #

IHO00004

Address of home being installed

Manufacturer

Scotbit

Length x width

64 x 28

NOTE:

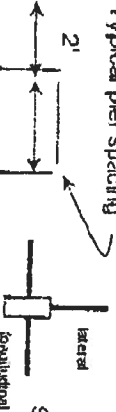
If home is a single wide fill out one half of the blocking plan. If home is a triple or quad wide sketch in remainder of home.

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

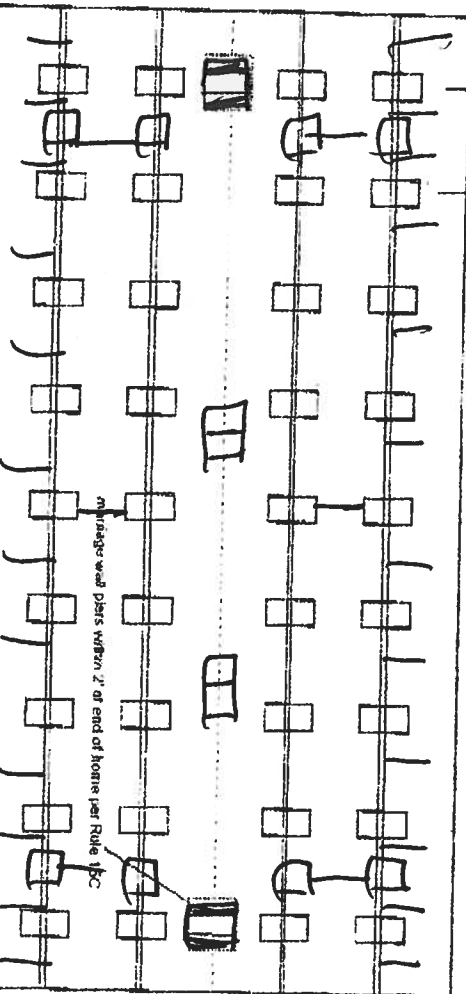
Installer's initials

DH

Typical pier spacing



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



28x64 - 100 door 23x31  
Piers - 11 doors - 6'0" dia  
Anders 12 door - 5'4" dia  
6 - longitudinal lateral system

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

☒

Double wide

☒

Installation Detail #

2692227

Triple/Quad

☐

Serial #

## PIER SPACING TABLE FOR USED HOMES

Load bearing capacity (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'	9'	10'
2000 psf	6'	8'	9'	10'	11'	12'
2500 psf	7' 6"	9'	10'	11'	12'	13'
3000 psf	8'	10'	11'	12'	13'	14'
3500 psf	8'	10'	11'	12'	13'	14'

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

4 ft

5 ft

### ANCHORS

### FRAME TIES

within 2' of end of home spaced at 6' 4" oc

### OTHER TIES

Longitudinal Stabilizing Device (LSD)

Number

Longitudinal Stabilizing Device w/ Lateral Arms

Number

Oliver Technics



# 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: 5/25/2006 DATE ISSUED: 5/31/2006

### ENHANCED 9-1-1 ADDRESS:

119 SE GILLEN TER

LULU FL 32061

### PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-10477-000

### Remarks:

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.**

268

COLUMBIA COUNTY  
9-1-1 ADDRESSING  
APPROVED



**ROYALS MOBILE HOME SALES**

386/754-6737 FAX 386/758-7764

PROPERTY LOCATOR 386-867-2050 cell

386-867-0534 cell

Customer Richard Proveaux Telephone (386) 752-7499

Make ScorbiLT Model Legend Serial# \_\_\_\_\_

DOP \_\_\_\_\_ Size 28 X 64

Physical Address SE Gillen Terr. Lulu, FL. 32061

Mailing Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Hwy 100 to CR 241 turn right, 1st Royal Rd. on right, SE Gillen Terr. Behind Brick House on right.

- 1.) Exterior Vinyl \_\_\_\_\_
- 2.) Shutters \_\_\_\_\_
- 3.) Carpet \_\_\_\_\_
- 4.) Floor Vinyl \_\_\_\_\_
- 5.) Siding \_\_\_\_\_
- 6.) Wall Panel \_\_\_\_\_





STATE OF FLORIDA  
DEPARTMENT OF HEALTH

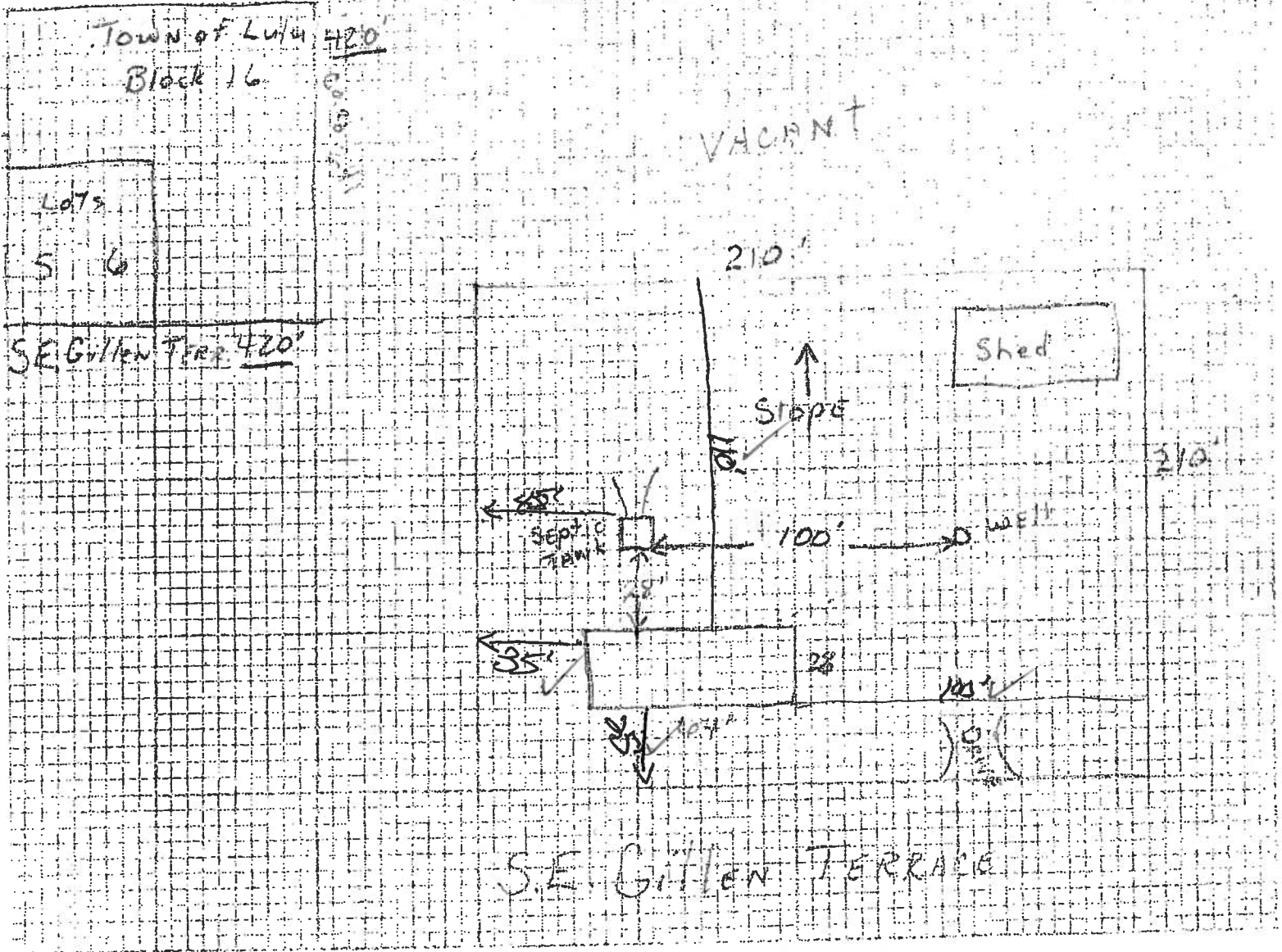
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

06-0551E

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Site Plan submitted by:

*[Signature]*

Signature

Plan Approved

✓

Not Approved

by *Sally Graddy, ERI*

**Columbia CHD**

County Health Department

*[Signature]*

Title

Date 6/9/06

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

P D. Cason  
Post Office Box 1133  
Lake City, Florida 32056

Parcel #10477-000 & 10420-001

Inst:2002023839 Date:12/04/2002 Time:09:43

Loc Stamp-Deed : 21.00

YMK DC, P. DeWitt Cason, Columbia County B:968 P:2398

## Warranty Deed

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

Made this 31st day of October, 2002 . BETWEEN

P D. Cason, a unmarried man  
whose post office address is: Post Office Box 1133, Lake City, Florida 32056

of the County of Columbia , State of Florida , grantor, and

✓ Nevin M. Markham and Rhonda R. Markham, husband and wife  
whose post office address is: Route 3 Box 2040, Lake Butler, Florida 32054

of the County of Columbia , State of Florida , grantee,

WITNESSETH: That said grantor, for and in consideration of the sum of ten and no/100----- Dollars, 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, successors and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lots 1, 2, and 3, Block 16, Town of Lulu and Lots 5 and 6, Block 16  
Town of Lulu. All in COLUMBIA COUNTY, FLORIDA.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal the day and year first above written.  
Signed, Sealed and Delivered in Our Presence:

Barbara C. O'Steen

P. D. Cason

P. D. Cason

BARBARA C. O'STEEN

PLEASE PRINT OR TYPE NAME AS IT APPEARS

LEXIE F. DOW

LEXIE F. DOW

PLEASE PRINT OR TYPE NAME AS IT APPEARS

STATE OF FLORIDA

COUNTY OF Columbia

I HEREBY CERTIFY that on the day of October 31, 2002 before me personally appeared

P. D. Cason

who is personally known to me or who has produced the identification shown below, who is the person described in and who executed the foregoing instrument, and who, after being duly sworn, says that the execution hereof is his/her free act and deed for the uses and purposes herein mentioned.

SWORN TO AND SUBSCRIBED before me the undersigned Notary Public by my hand and official seal, the day and year last aforesaid.

☒ To me personally known

☐ Identified by Driver's License

My Commission Expires: 12-4-02

Commission No.: CC967143

Tammy M. Hardy  
Notary Public  
PLEASE PRINT OR TYPE NAME AS IT APPEARS

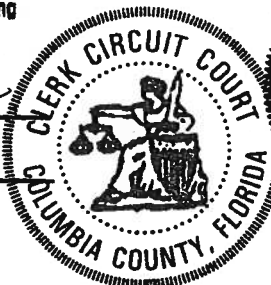
STATE OF FLORIDA, COUNTY OF COLUMBIA

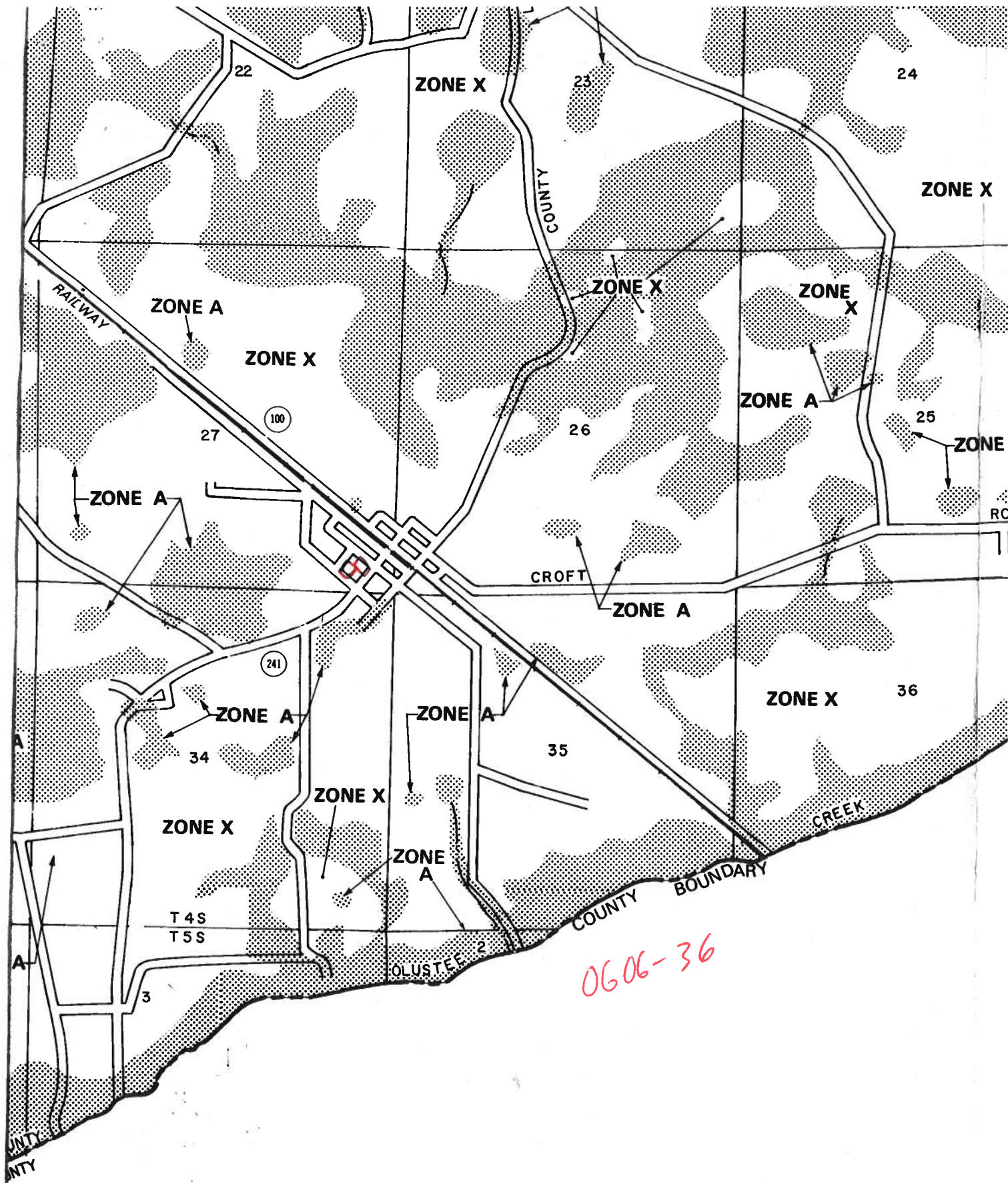
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.

P. DeWITT CASON, CLERK OF COURTS.

By Rosalynn Chello  
Deputy Clerk

Date June 9 2006





**TABLE 2**  
**12 WIDE OR LESS FOOTING SCHEDULE**

Pier Spacing (L)	Soil Bearing Capacity (PSF)	ROOF LIVE LOAD
		20 PSF REQUIRED FOOTING AREA IN SQ. IN.
Piers spaced no more than 4'-0" on center not more than 2'-0" from either end	1000	305
	1500	205
	2000	155
	2500	125
	3000	105
Piers spaced no more than 6'-0" on center not more than 2'-0" from either end	1000	460
	1500	305
	2000	230
	2500	185
	3000	155
Piers spaced no more than 8'-0" on center not more than 2'-0" from either end	1000	610
	1500	410
	2000	305
	2500	245
	3000	205

**TABLE 3**  
**14 WIDE OR LESS FOOTING SCHEDULE**

Pier Spacing (L)	Soil Bearing Capacity (PSF)	ROOF LIVE LOAD
		20 PSF REQUIRED FOOTING AREA IN SQ. IN.
Piers spaced no more than 4'-0" on center not more than 2'-0" from either end	1000	355
	1500	240
	2000	180
	2500	145
	3000	120
Piers spaced no more than 6'-0" on center not more than 2'-0" from either end	1000	540
	1500	355
	2000	265
	2500	215
	3000	178
Piers spaced no more than 8'-0" on center not more than 2'-0" from either end	1000	710
	1500	475
	2000	355
	2500	285
	3000	240

**NOTE:**

1. Width refers to individual unit width and not total width of home.
2. If soil bearing capacity is not determined, use 1000 PSF as a minimum.
3. In the geographical areas subject to severe freezes, the bottom line of foundations must extend below the frost line established by local records.

### TYPICAL FOOTER SIZES

\* 16" X 16" - 256 Sq. Inches  
 16" X 24" - 384 Sq. Inches  
 24" X 24" - 576 Sq. Inches  
 24" X 30" - 720 Sq. Inches

\* MINIMUM FOOTER  
 TO BE USED

### FOOTER SIZE REQUIREMENTS

Footer Size Equals	Pier Load Soil Bearing Capacity
--------------------	---------------------------------------

Example: 14' Wide 8'-0" Center Piers  
4928 (from table 1)  
 1000 (soil bearing capacity)

4928 Equals 4.9 Sq. Ft. Minimum Footer  
 1000

### PIER LOAD CAPACITY FOR SIDE WALLS

100 X Span in Ft. divided by Soil Capacity

Example:  
 100 X 6'-0" equals 600 equals .6 sq. ft. min.  
 1000

Minimum Size Footer 8 X16  
 or 128 sq. inches for Sidewalls

### MARRIAGE WALL PIER LOAD CAPACITY

100 X Span in Ft. X 2 equals Pier Load Divided by Soil Capacity

Example:  
 100 X 20'-0" X 2 Equals 4000 lbs. equals 4 sq. ft. Minimum Footer  
 1000 lbs.

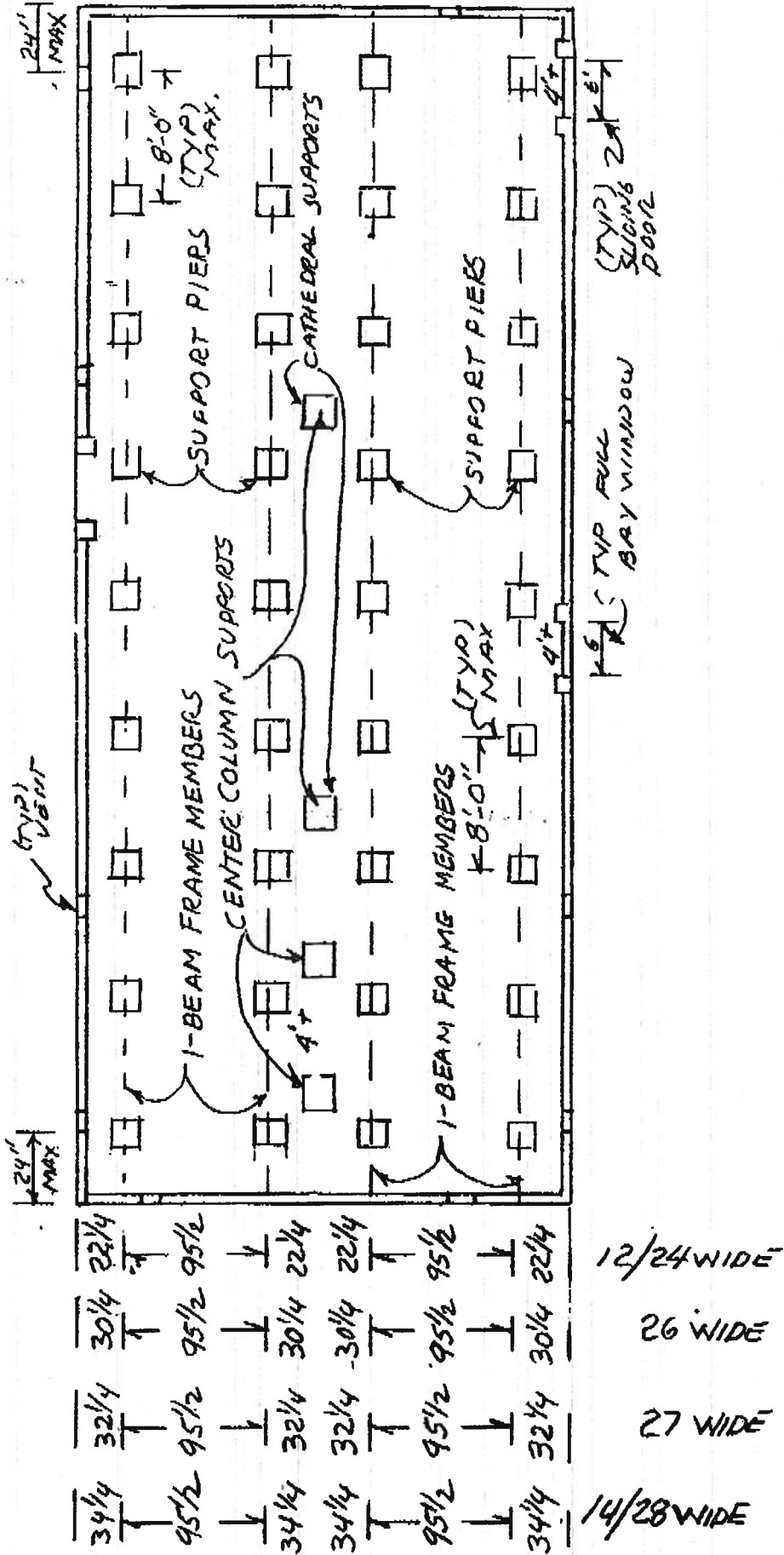
#### NOTE:

1. Multi openings for sidewall or marriage wall, add openings together.
2. Treat each marriage wall in each half of double wide separately. Provide piers at all openings greater than 4'-0" wide.
3. Combine pier loads at locations where each half of the home has a ridge beam column support.



**RTON HOMES**  
**95-1/2" I BEAM SPREAD**  
**TYPICAL PIER PLACEMENT**

**TABLE 4A**





**PIER LOADS****16' WIDE WITHOUT OVERHANG  
(188" FLOOR W/O OVERHANG)**

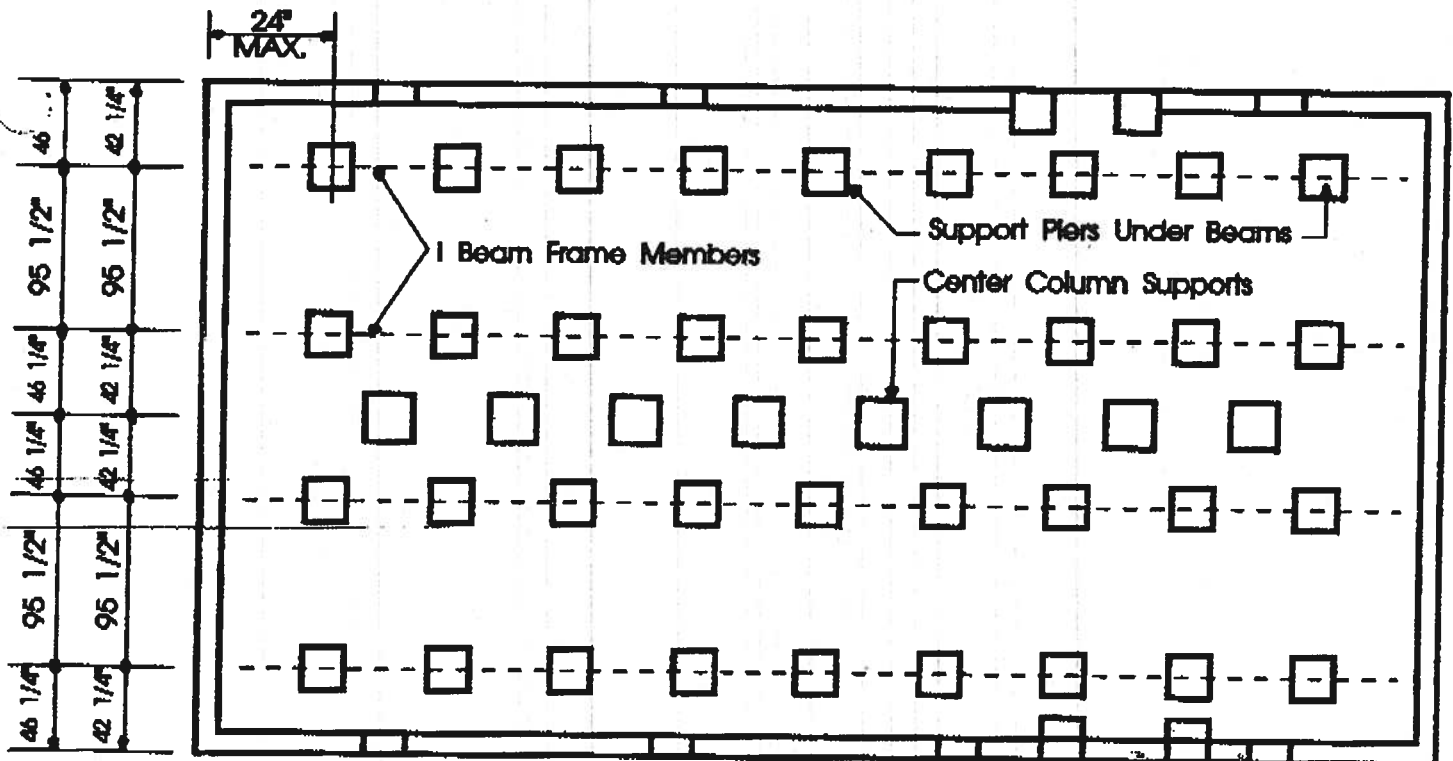
MAX. PIER SPACING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
4'-0"	2414	1000	1500	2000	2500	3000 PSF
6'-0"	3622	435	280	208	163	135
8'-0"	4829	628	403	297	238	195
		822	528	389	308	255

**15' WIDE WITH OVERHANG  
SINGLE WIDE & D.W. (180" FLOOR W/ 12" OVERHANG)**

MAX. PIER SPACING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
4'-0"	2430	1000	1500	2000	2500	3000 PSF
6'-0"	3645	437	281	208	164	136
8'-0"	4860	632	407	299	237	196
		825	531	392	310	257

**SEAWALL OPENINGS  
FOOTING AREAS**

MAX. OPENING	PIER LOADS	Min. Footing Area (Sq. Inches) For Soil Pressure Specified				
4'-0"	962	1000	1500	2000	2500	3000 PSF
6'-0"	1425	201	128	95	76	63
8'-0"	1904	277	178	131	105	86
10'-0"	2380	353	228	188	133	110
12'-0"	2835	429	276	204	161	134
14'-0"	3332	505	325	239	190	157
16'-0"	3808	582	374	276	218	181
18'-0"	4284	658	423	321	247	204
20'-0"	4760	734	472	348	276	228
		810	521	384	304	252

**HORTON HOMES, INC.****95 1/2" I-Beam**

Sidewall Support Piers

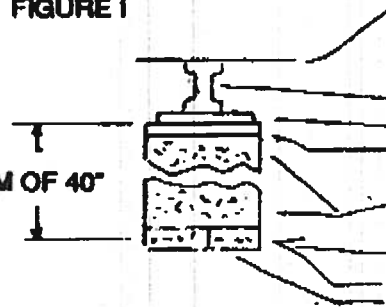
**TYPICAL PIER PLACEMENT**Spread for 16' Wide  
and 15' Wide FloorsSidewall & Center Column  
Supports Installed Each  
Side Of Openings 4' or Larger

**MINIMUM BLOCKING STANDARDS**

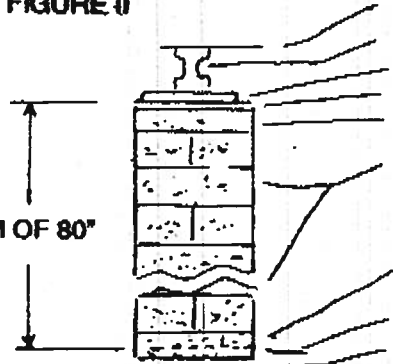
1. **Pier foundations shall be installed directly under the main frame (or chassis) of the manufactured home.** The piers shall not be further apart than eight (8) feet on centers and the maximum distance in from each end 2'-0".
2. **All grass and organic matter shall be removed and the pier foundation placed in stable soil.** The pier foundation shall be minimum of 24" x 30" x 4" (refer to soil bearing capacity for exact size), solid concrete pad, pre-cast or poured in place, or equivalent. (Min. based on 1000 psf - 8'-0" pier spacing).
3. **Piers must be constructed of regular 8" x 8" x 16" concrete blocks, open cells, solid or equivalent (with open cells vertical) placed above the foundation.** A 2" x 8" x 16" pressure treated wood plate, or equivalent, shall be placed on top of the pier with shims fitted and driven tight from both sides of the I-Beam. (See Figure 1.)
4. **All piers over forty (40) inches in height shall be double tiered with blocks interlocked and capped with a 4" x 16" x 16" solid concrete block or equivalent, and cushioned with wood shims or pressure treated plate.** (See Figures II and III.)
5. **All corner piers over three (3) blocks high shall be doubled tiered, with blocks interlocked and capped with a 4" x 16" x 16" solid concrete block or equivalent and cushioned with wood shims and pressure treated plate.**
6. **EXTERIOR SIDEWALL/MARRIAGE WALL BLOCKING - In addition to providing piers for supporting the frame, piers also are required to support the special roof loads.** These support piers are required at all marriage wall and sidewall openings greater than 4 ft. in width. These piers should be placed at each side of such openings. Typical sidewall openings - sliding glass door/full bay windows. Typical marriage wall openings - cathedral openings, passageway openings greater than 4'. In addition to these supports, it is optional that support piers may be installed around the perimeter of the house - 8 ft. O.C. Max.

**ADDENDUM TO MINIMUM BLOCKING STANDARDS**

**NOTE:** In some situations forces and materials may interact in such a way as to result in some areas in a slight crowning of floor joists from the I-beam of the frame to the exterior wall. **When this situation does occur, it is required that the dealer exercise the option with respect to exterior sidewall blocking and install support piers around the perimeter of the house. 8 ft. O.C. Max.**

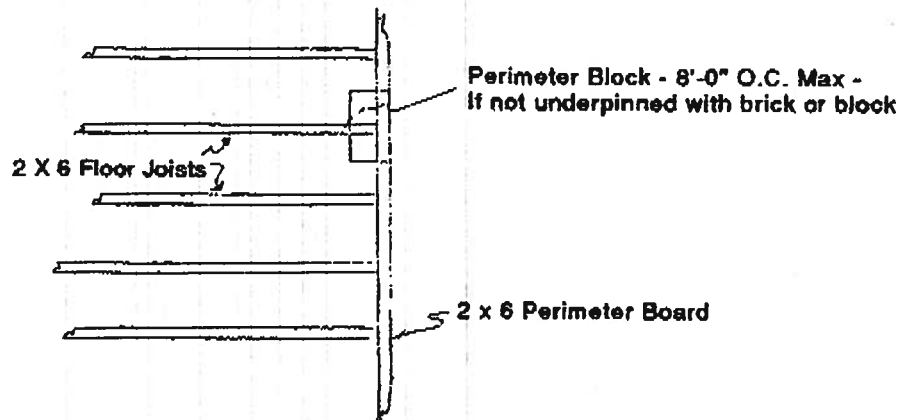
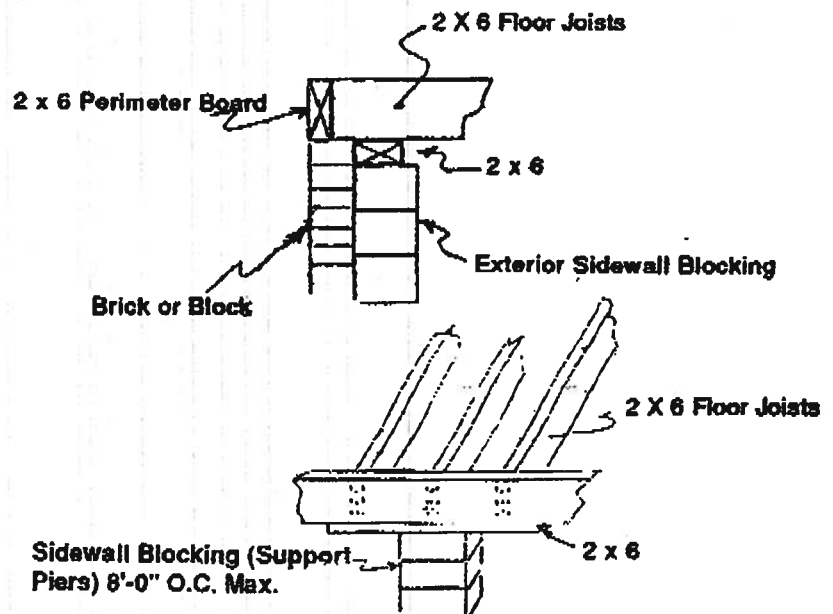
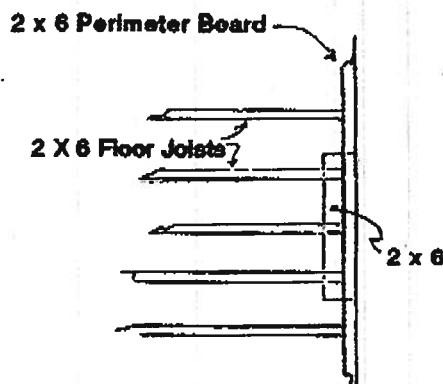
**BLOCKING STANDARDS****FIGURE I****MAXIMUM OF 40"**

Blocking (single tiered), (All corners must be double tiered and blocks interlocked if more than three blocks high).  
 I-Beam frame  
 Wood shims  
 Cap-pressure treated 2" x 8" x 16" or equivalent  
 Solid or celled concrete blocks Footer - Size refer to Table  
 Ground level  
 Sod or organic material removed

**FIGURE II****MAXIMUM OF 80"**

Blocking (double tiered & blocks interlocked)  
 I-Beam frame  
 Wood Shims  
 (Option) pressure treated wood plate  
 Cap - 16" x 16" x 4" solid block or equivalent  
 Solid or celled concrete block

Footer Size refer to table 1 or 2  
 Ground level  
 Sod and organic material removed

**EXTERIOR SIDEWALL  
 BLOCKING WITH NO  
 UNDERPINNING**

**EXTERIOR SIDEWALL  
 BLOCKING WITH  
 BRICK/BLOCK  
 UNDERPINNING**


## ANCHORING SYSTEM

All Horton Homes must be securely anchored according to wind zone location to resist the uplifting sliding forces created by strong winds. Horton Homes are built to comply with HUD'S Manufactured Home Construction and Safety Standards which establish design requirements for each wind zone area. A wind zone map reflecting the three wind zone areas and the wind zone designation of your home can be found on a Certificate of Compliance sheet posted inside a kitchen cabinet, furnace compartment or some other convenient location. All Horton Homes must be anchored in accordance to the appropriate anchoring instruction found under the applicable wind zone section in this manual. Other methods of anchoring of your home maybe used if designed by a professional engineer for the applicable wind zones.

Note: Wind Zone 2 or 3 houses set up in wind zone 1 area need only comply with wind zone 1 anchoring requirements.

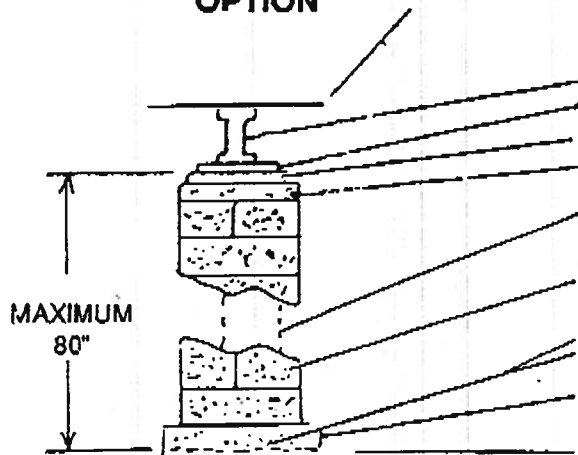
The tiedown straps and ground anchors are not provided by the manufacturer, as differing soil conditions require different anchoring system. Several good systems are available through your dealer or installation contractor.

## STRAP TO FRAME ATTACHMENT

The strap to frame attachment details are shown in Illustration A or B. The required frame tiedown spacing is shown on charts and drawings. The strap to anchor connection and the anchor installation method must be in accordance with the anchor manufacturer's installation instructions.

It is essential that all components of the tiedown system meet the minimum strength requirements specified in this manual for the applicable wind zones.

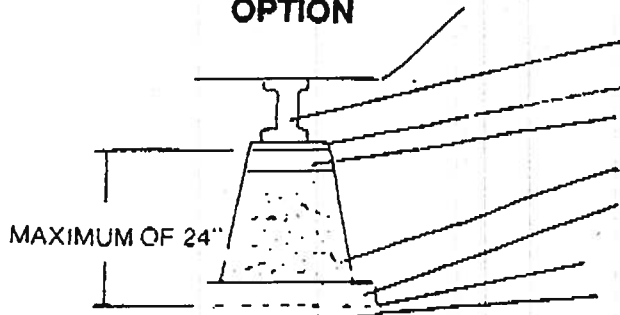
**FIGURE III  
OPTION**



Blocking (double tiered - blocks interlocked concrete filled)  
I-Beam frame  
Wood shims  
(Option) pressure treated wood plate  
Cap - 16" x 16" x 4" solid block or equivalent  
3/8" Steel reinforced rods  
Celled concrete blocks  
All cells filled with 2500 P.S.I. concrete

Footer Size refer to table 1 or 2  
Ground level  
Sod and organic material removed

**FIGURE IV  
OPTION**



Blocking (solid pier)  
I-Beam frame  
Wood shims  
(Option) Pressure treated wood plate  
8" x 10" (minimum) pier top  
Pier  
Footer Size refer to table 1 or 2

Ground level  
Sod and organic material removed

Nevin & Renee Markham  
169 S.E. Gillen Terrace  
Lulu, Florida 32061  
386-752-7499

06/23/2006

To whom it may concern,

We give Nichole & Brent Proveaux permission to move a mobilehome  
onto our property located at 119 S.E. Gillen Terrace, Lulu, Florida 32061.

Thank You!

A handwritten signature in cursive script that reads "Renee Markham".

Renee Markham

**COLUMBIA COUNTY**  
**DEPT**  
**OF**  
**COMMUNITY DEVELOPMENT**

**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 27-4S-18-10477-000

Building permit No. 000024668

Permit Holder DALE HOUSTON

Owner of Building NEVIN & RHONDA MARKHAM

Location: 119 SE GILLEN TERR, LULU, FL

Date: 07/11/2006



Building Inspector

**POST IN A CONSPICUOUS PLACE**  
**(Business Places Only)**