DATE 08/07/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026100

APPLICANT DALE BURD PHONE 497.2311

ADDRESS POB 39 FT. WHITE FL 32038

OWNER FRANKLIN FUNK PHONE 963.5335

ADDRESS 200 SW SKYLINE LOOP FT. WHITE FL 32038

CONTRACTOR RONNIE NORRIS PHONE 752.3871

LOCATION OF PROPERTY 47-S TO HERLONG RD,TL TO 2ND SKYLINE LOOP,TR AND IT'S THE 2ND LOT ON R.

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 11-6S-16-03815-169 SUBDIVISION CARDINAL FARMS UNREC.

LOT 69 BLOCK PHASE UNIT TOTAL ACRES 10.10

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		IH0000049	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
PRIVATE	07-0583	CFS	JTH	N

COMMENTS: 1 FOOT ABOVE ROAD.

Check # or Cash 1857

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 $ 21.58 WASTE FEE $ 33.50

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ _____ **TOTAL FEE** 330.08

INSPECTORS OFFICE _____ 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 INCONVIENCE, 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.

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 9-22-06) Zoning Official cfs 8/6/07 Building Official OK JTH 8-3-07

AP# 0708-06 Date Received 8/3/07 By CT Permit # 26100

Flood Zone X Development Permit — Zoning A-3 Land Use Plan Map Category A-3

Comments Panel 225

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 # 11-6S-16-03815-169 Subdivision Cardinal Farms

- New Mobile Home ✓ Used Mobile Home _____ Year 2007
- 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 FRANKLIN FUNK Phone# 963-5335
- 911 Address 200 SW SKYLINK LOOP, FT WHITE, FL, 32038
- Circle the correct power company - FL Power & Light - (Clay Electric)
  (Circle One) - Suwannee Valley Electric - Progress Energy
- Name of Owner of Mobile Home SAME Phone # 963-5335
  Address 3732 166TH ST WELLBORN, FL, 32094
- Relationship to Property Owner SAME
- Current Number of Dwellings on Property Ø
- Lot Size 500 x 872 Total Acreage 10
- Do you : Have Existing Drive (Currently using) or Private Drive (Blue Road Sign) or need Culvert Permit (Putting in a Culvert) or Culvert Waiver (Not existing but do not need a Culvert) (Circle one)
- Is this Mobile Home Replacing an Existing Mobile Home N/O (owns)
- Driving Directions to the Property
  47 South, TL on Hwy 47, TR on 2ND Skylink Loop, 2ND Lot on RIGHT
  CK # 1857
- Name of Licensed Dealer/Installer Ronnie Norris Phone # 752-3871
- Installers Address 1004 SW CHARLES TERR, LC, FL, 32024
- License Number EH 0000049 Installation Decal # 288405

76/225

Spoke to Christina 8/6/07 CT

Columbia County Property Appraiser

DB Last Updated: 5/11/2007

Parcel: 11-6S-16-03815-169

2007 Proposed Values

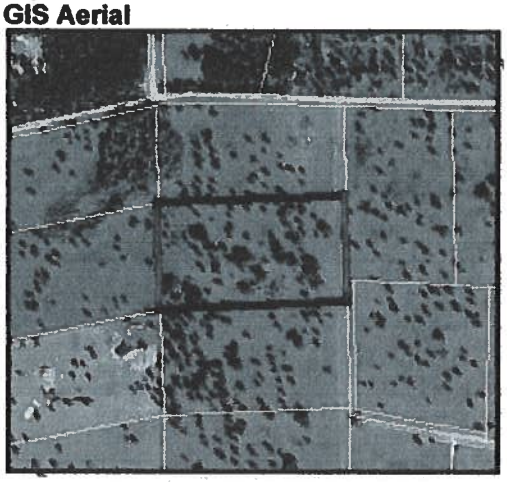
Tax Record | Property Card | Interactive GIS Map | Print

<< Prev Search Result: 2 of 2

Owner & Property Info

Owner's Name	FUNK PAULA & FRANKLIN		
Site Address			
Mailing Address	3732 166 TH ST WELLBORN, FL 32094		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	11616.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	10.010 ACRES		
Description	LOT 69 CARDINAL FARMS UNREC: COMM SE COR RUN W 5311.34 FT TO SW COR, N 1995.16 FT, W 60.18 FT, N 2280.87 FT, N 77 DG E 887.51 FT TO POB, N 500.08 FT, E 872.18 FT, S 500.08 FT, W 872.18 FT, TO POB. WD 1024-1756.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$104,604.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$104,604.00

Just Value	$104,604.00
Class Value	$0.00
Assessed Value	$104,604.00
Exempt Value	$0.00
Total Taxable Value	$104,604.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
8/25/2004	1024/1756	WD	V	Q		$55,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

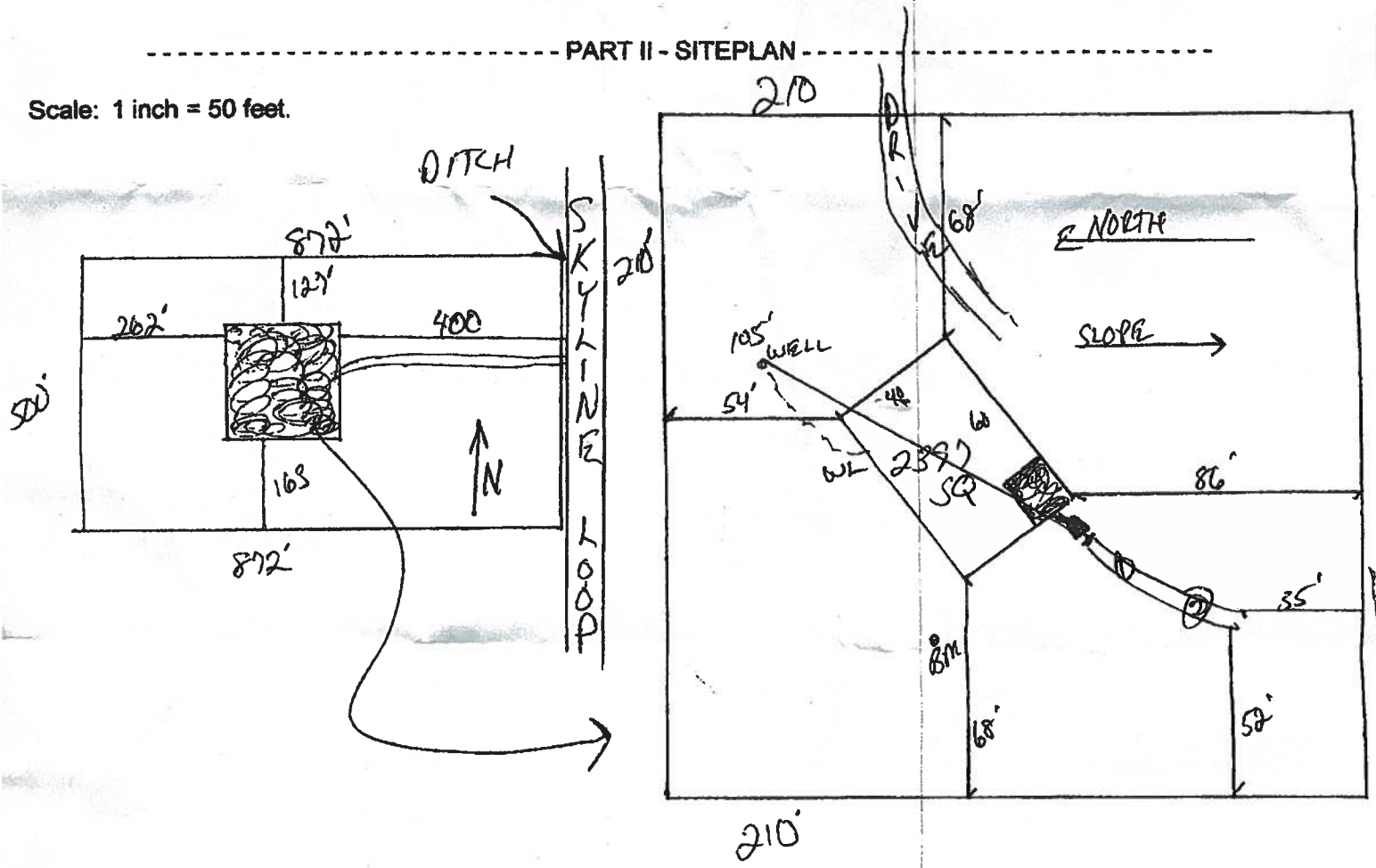
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	10.010 AC	1.00/1.00/1.00/1.00	$10,450.00	$104,604.00

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

Permit Application Number 07-0583

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



Notes: 1 of 10 Acres

Site Plan submitted by: Rocky Todd MASTER CONTRACTOR

Plan Approved ✓ Not Approved ____ Date 7/23/07

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

A & B Construction Inc.

P. O. Box 39
Ft. White, FL, 32038
386-497-2311

TO: Columbia County Building Department

Description of well to be installed for Customer: FUNK
Located at Address: SKYLINE LOOP

1 hp – 1 ¼" drop over 86 gallon tank, 250 gallon equivalent captive with back flow preventer. 35-gallon draw down with check valve pass requirements.

William Bias
William Bias

PERMIT WORKSHEET

PERMIT NUMBER

Installer Ronnie Norris License # IH0000479

Address of home being installed 200 SW SKYLINE LOOP
FORT WHITE FL 32038

Manufacturer SKYLINE Length x width 60 x 42

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 RN.

New Home ☐ Used Home ☐

Home installed to the Manufacturer's Installation Manual ☐

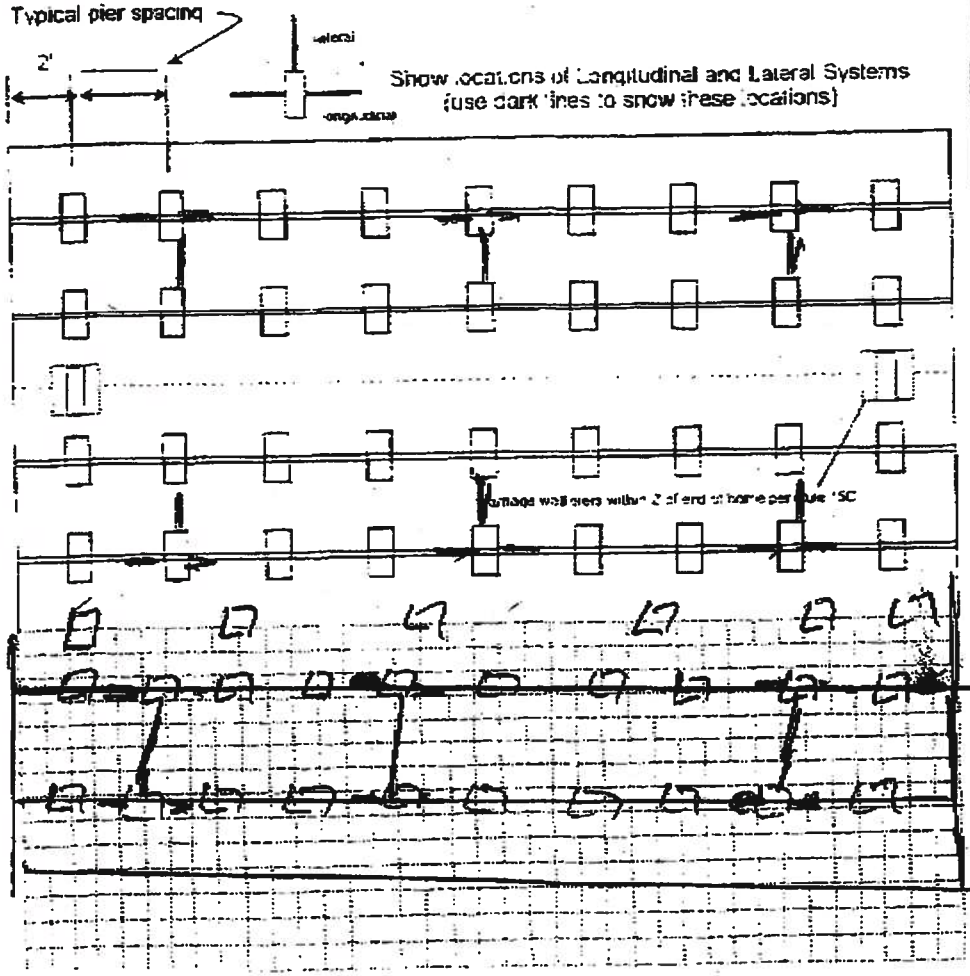
Home is installed in accordance with Rule 15-C ☐

Single wide ☐ Wind Zone II ☒ Wind Zone III ☐

Double wide ☐ Installation Decal # 278405

Triple/Quad ☒ Serial # _____

Typical pier spacing



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)*	25" x 25" (676)
1000 psf		3'	4'	5'	6'	7'	8'
1500 psf		4' 6"	6'	7'	8'	8'	8'
2000 psf		6'	8'	8'	8'	8'	8'
2500 psf		7' 6"	8'	8'	8'	8'	8'
3000 psf		8'	8'	8'	8'	8'	8'
3500 psf		8'	8'	8'	8'	8'	8'

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

PIER PAD SIZES

I-beam pier pad size 17X25

Perimeter pier pad size _____

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

TIEDOWN COMPONENTS

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

POPULAR PAD SIZES

Pad Size	Sq. in.
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

4 ft 5 ft

FRAME TIES

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

OTHER TIES

	Number
Sidewall	48
Longitudinal	8
Marriage wall	8
Shearwall	8

PERMIT WORKSHEET

PERMIT NUMBER [redacted]

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to 750 psf or check here to declare 1000 lb. soil without testing.

x 1500 x 1500 x 1500

POCKET PENETROMETER TESTING METHOD

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

x 1500 x 1500 x 1500

TORQUE PROBE TEST

The results of the torque probe test is 285 inch pounds or check here if you are declaring 5' anchors without testing. A test showing 275 inch pounds or less will require 4 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 4800 lb holding capacity.

Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name [redacted]

Date Tested 6-1-07

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 tap or septic tank. Pg.

Connect all potable water supply piping to an existing water meter, water tap, 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: Nail	Length: 6	Spacing: 24 o/c
Walls:	Type Fastener: Nail	Length: 6	Spacing: 16
Roof:	Type Fastener: Nail	Length: 6	Spacing: 24

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

Type gasket

Pg.

Installed:
Between Floors Yes
Between Walls Yes
Bottom of marriage wall 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

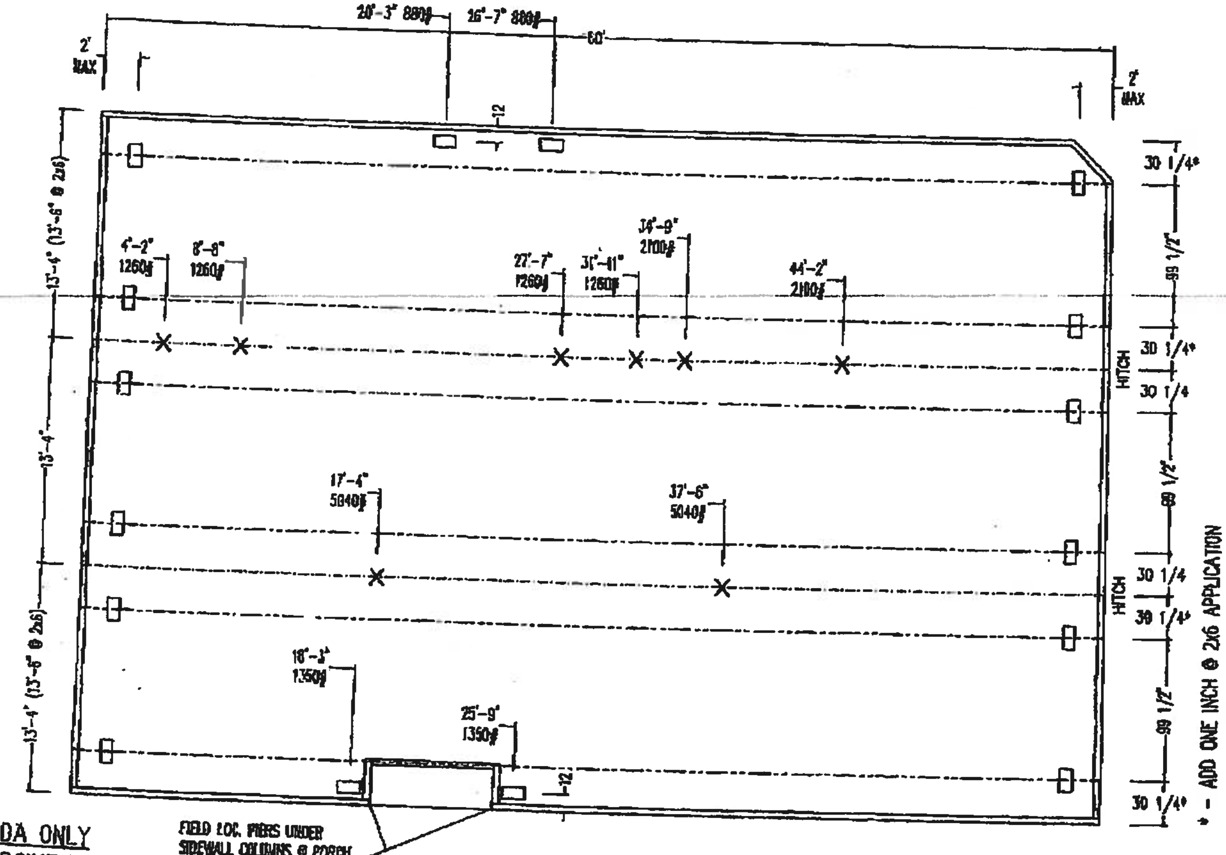
Drain lines supported at 4 foot intervals. Yes

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 & 2

Installer Signature [redacted] Date 6-2-07



FLORIDA ONLY

FIELD LOC. PIERS UNDER SIDEWALL COLUMNS @ PORCH

PIER POINT LAYOUT (PIERS @ I-BEAM & CENTERLINE WITHOUT PERIMETER FOUNDATION)

20 PSF ROOF ZONE

X COLUMN SUPPORTS: SEE ABOVE DIAGRAM FOR LOCATIONS & LOAD REQUIREMENTS @ 20# ROOF ZONE, SEE TABLE 4 OF INSTALLATION MANUAL FOR FOOTING SIZES.

I-BEAM PIER SUPPORTS: - 8' MAX. SPACING - SEE INSTALLATION MANUAL TABLE 2 FOR SPACING AND TABLE 4 FOR FOOTING SIZES.

SIDEWALL AREA AND TRANSITION I-BEAM PIER SUPPORTS.

SIDEWALL PIER SUPPORTS: SEE ABOVE DIAGRAM FOR LOC. OF STD. PATIO DOORS, 48" OR LARGER OPENINGS OR PORCH COLUMN LOC.

DIVISIONS

111	341	460
112	344	600
115	346	871
[illegible]	[illegible]	891
[illegible]	[illegible]	912
148	[illegible]	
163	[illegible]	
171	[illegible]	
181	X [illegible]	

SKYLINE

REFERENCE NUMBER	DESCRIPTION	DRAWING NUMBER
18-17787	6042-3RK-28-CATH (60/60/60)	57570-6

SHEET ___ OF ___

LIMITED POWER OF ATTORNEY

I, Ronnie Norris, License # IH-0000049 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.

Ronnie Norris
(Signature)

10-20-06
(Date)

Sworn and subscribed before me this 20 **day of** October **, 2006.**

Rebecca L. Arnau
Notary Public

REBECCA L. ARNAU
MY COMMISSION # DD 516518
EXPIRES: September 25, 2007
Bonded Thru Notary Public Underwriters

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, Ronnie Norris, license number IH – 0000049 do herby state that the installation of the manufactured home for (applicant) Dale Burd, Rocky Ford or Kelly Bishop (customer name) FRED FUNK in Columbia County will be done under my supervision.

Signature

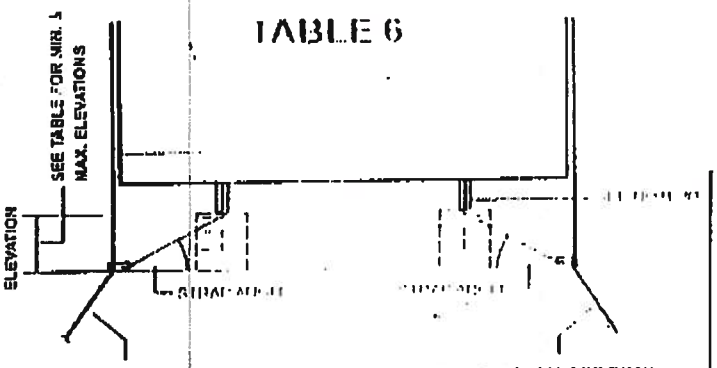
DALE R. BURD
Comm# DD0559297
Expires 7/16/2010
Florida Notary Assn. Inc

Sworn to and subscribed before me this 26 day of JUN, 2007.

Notary Public:

STANDARD TIE-DOWN DETAILS

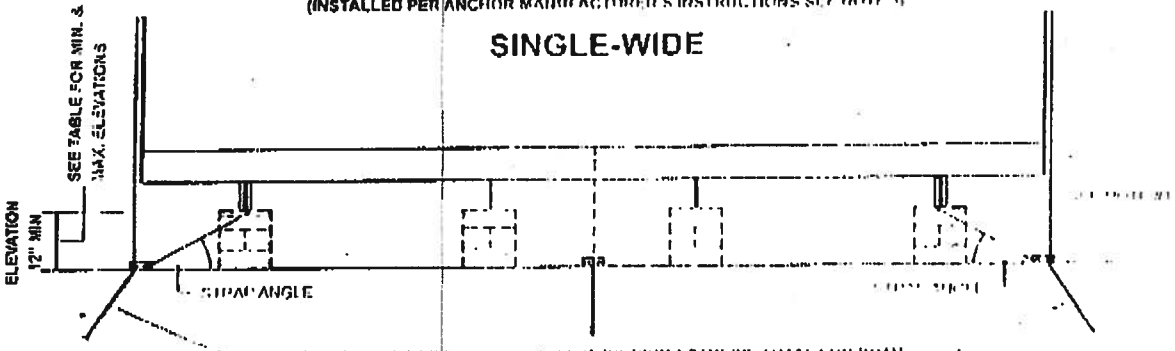
TABLE 6



ANCHOR TO BE RATED FOR 3150# OF WORKING STRESS, TOTAL FOR BOTH STRAPS
(INSTALLED PER ANCHOR MANUFACTURER'S INSTRUCTIONS SEE NOTE 7)

INSTALL STRAP & ANCHORS
6'-8" @ ZONE II
5'-4" @ ZONE III
&
4'-0" @ ZONE II & III
FOR SHED ROOF
SINGLEWIDES
SEE TABLE FOR ELEVATION & STRAP ANGLE LIMITATIONS

SINGLE-WIDE



ANCHOR TO BE RATED FOR 3150# OF WORKING STRESS, TOTAL FOR BOTH STRAPS
(INSTALLED PER ANCHOR MANUFACTURER'S INSTRUCTIONS SEE NOTE 7)

DOUBLE-WIDE

24' WIDE RESULTS FOR 12' HALF OF 22' WIDE DOUBLE WIDES

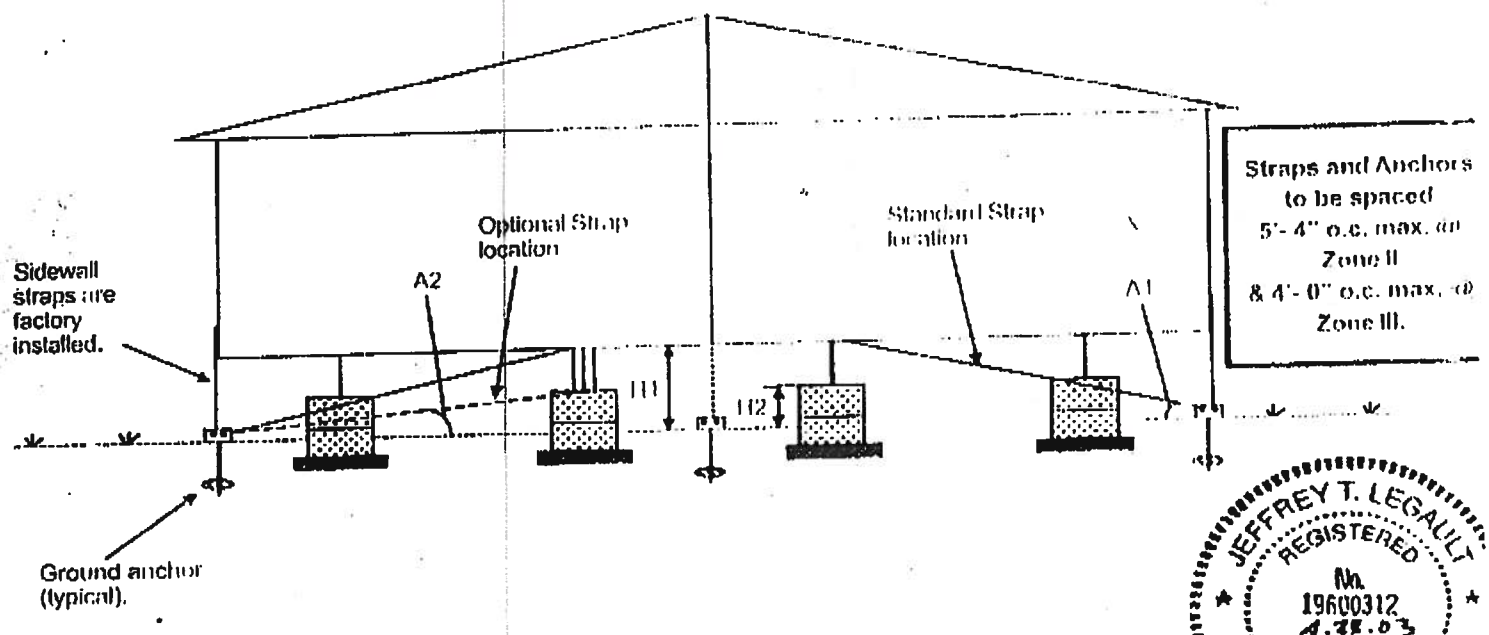
WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. & MAX. ELEVATION	MIN. & MAX. DIAGONAL STRAP ANGLE	MIN. & MAX. ELEVATION	MIN. & MAX. DIAGONAL STRAP ANGLE
12'	14" TO 25"	25 TO 40	14 TO 26	25 TO 41
14'	12" TO 27"	20.5 TO 40	12 TO 28	20.5 TO 41
12' SHED ROOF	25.2" TO 34.6"	41 TO 50	25.2 TO 34.6	41 TO 50
14' SHED ROOF	23.4" TO 38.4"	36 TO 50	23.4 TO 38.4	36 TO 50
16'	16" TO 36"	20.5 TO 40	16.5 TO 38	19.5 TO 41
18'	20" TO 44"	20.5 TO 40	19 TO 47	19.5 TO 41
20' OR 22'	12" TO 15"	34 TO 40	12 TO 16	34 TO 42
24'	12" TO 22"	24.5 TO 40	12 TO 23.5	24.5 TO 42
26'	12" TO 23.5"	23 TO 40	12 TO 25.5	23 TO 42
32'	12" TO 33"	16.6 TO 39.3	12 TO 36	16.6 TO 41.8
16' SHED ROOF	21" TO 27.5"	25.9 TO 32.4	21 TO 27.5	25.9 TO 32.4

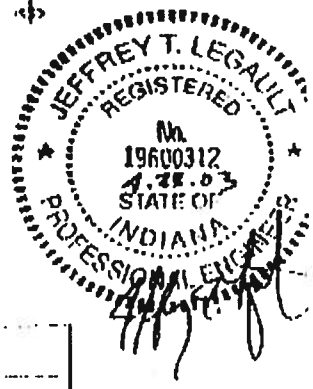
3. STRAP MATERIAL SPECIFICATION, CONNECTION TO FRAME, TIE AMOUNT, OTHER REQUIRED INFORMATION RELATIVE TO STRAP INSTALLATION MANUAL.
4. ANCHORING SYSTEMS, THE INSTRUCTIONS SHALL INDICATE: A) THE MINIMUM ANCHORS CAPACITY REQUIRED, B) ANCHORS SHOULD BE CERTIFIED BY PROFESSIONAL ENGINEER, ARCHITECT, OR A NATIONALLY RECOGNIZED TESTING LABORATORY AS TO THEIR RESISTANCE BASED ON THE MAXIMUM ANGLE OF DIAGONAL TIE AND/OR VERTICAL TIE LOADING AND ANGLE OF ANCHOR INSTALLATION, AND TYPE OF SOIL IN WHICH THE ANCHOR IS TO BE INSTALLED; C) GROUND ANCHORS SHOULD BE EMBEDDED BELOW THE FROST LINE AND BE AT LEAST 2' IN UNDISTURBED EARTH ABOVE THE WATER TABLE; D) GROUND ANCHORS SHOULD BE INSTALLED TO THEIR FULL DEPTH AND STABILIZER PLATES SHOULD BE INSTALLED TO PROVIDE ADDED RESISTANCE TO OVERTURNING OR SLIDING FORCES. E) ANCHORING EQUIPMENT SHOULD BE CERTIFIED BY A PROFESSIONAL ENGINEER OR ARCHITECT TO RESIST THESE SPECIFIED FORCES IN ACCORDANCE WITH TESTING PROCEDURES IN ASTM STANDARD SPECIFICATION FOR STRAPPING, FLAT STEEL AND SEALS.
5. ANCHORS RATED @ 3150# OF WORKING STRESS TOTAL FOR BOTH STRAPS, MAY BE USED IF STRAP & ANCHOR SPACING IS REDUCED TO 5'-4" @ WIND ZONE II AND 4'-6" @ WIND ZONE III. STRAPS AND ANCHORS MAY BE INSTALLED 4'-0" O.C. ON SHED ROOF SINGLEWIDES WITH ANCHORS RATED @ 3150#.
6. A-B CHANCE STRAP SEAL DEVICE DEPICTED BY FIG. 5 (1) MAY BE USED AS DIRECTED FOR ATTACHING THE REQUIRED DOUBLEWIDE CENTERLINE STRAPS TO GROUND ANCHORS.
7. STANDARD TIE-DOWN DETAILS ARE NOT APPLICABLE TO 5/12 ROOF PITCH DOUBLEWIDES @ WIND ZONE II & III.

SKYLINE CORP.

TIE-DOWN DETAILS FOR 5/12 ROOF PITCH DOUBLE WIDES AT WIND ZONE II & III

TABLE 6A





WIND ZONE II (100 mph)				
Unit Width	H (max.)	H1 (min.)	Angle (max.)	Angle (min.)
24'	48"	12"	23.2 degrees	6.12 degrees
26'	48"	12"	20.3 degrees	6.12 degrees
28'	48"	12"	20.3 degrees	5.28 degrees
32'	48"	12"	18.96 degrees	4.91 degrees

WIND ZONE III (110 mph)				
Unit Width	H (max.)	H1 (min.)	Angle (max.)	Angle (min.)
24'	48"	12"	25.2 degrees	6.12 degrees
26'	48"	12"	20.3 degrees	6.12 degrees
28'	48"	12"	20.3 degrees	5.28 degrees
32'	48"	12"	18.96 degrees	4.91 degrees

NOTES:

1) Straps and anchors to be rated for 3150 lbs. of working stress (min.)
2) Use H1 and A1 for standard strap location. Use H2 and A2 for optional strap location.
3) See page 25 for strap material specification, connection to I-Beam and other setup information.
4) The A-B chance strap seal device depicted by Fig. 5-12 may be used as directed for attaching the required doublewide centerline straps to ground anchors.

‹OCEDURES (Continued)

MANUFACTURED HOME TIE-DOWN INSTRUCTIONS

support system must also resist lifting, sliding, and rning forces resulting from side winds. A method used stall ground anchors and tie-down straps in addition to rs. Tie-downs as described are the minimum necessthe home is to withstand its design loads without ition. On multi-section homes, sections must be ed together and level before tie-down straps are in-

WARNING

RE GROUND ANCHOR INSTALLATION, DETER-THAT THE ANCHOR LOCATIONS AROUND THE WILL NOT BE CLOSE TO ANY UNDERGROUND TRICAL CABLES, WATER LINES OR SEWER PIP. FAILURE TO DETERMINE THE LOCATION OF RGROUND ELECTRICAL CABLES MAY RESULT IN US PERSONAL INJURY OR DEATH.

IN THE FRAME TIE-DOWN SYSTEM, IT IS IMPOR-TO USE MATERIALS OF PROPER DESIGN AND OF IATE QUALITY. THE MATERIAL SPECIFICATIONS INED HEREIN SHOULD BE CONSIDERED AS *IM* REQUIREMENTS.

als not furnished with the home which will be nec es- complete the tie-down system must meet the requirt forth below. Such materials would include:

) or steel strap with a breaking strength of at least unds e.g. galvanized aircraft cable at least 1/4" or Type 1, Finish B, Grade 1 steel strapping 1 1/4" 0.03" thick, conforming with ASTM D3953-91

nized connection devices such as turnbuckles, strap buckles, and cable clamps should be rated at rking load minimum.

d anchors -- capable of withstanding at least 4 und pull. Anchors must be installed as specified by or manufacturer. Slabilizers or concrete collars may ed by anchor manufacturer.

ME MUST BE IN ITS FINAL LEVEL POSITION O TYING IT DOWN.

ocedure for tying down the manufactured home is as

n and install the ground anchors under exterior nat the final strap angle and height (H) will be within shown in tables 5 thru 6C

ct the straps to the frame and ground anchors (See nd 5-10) Straps wrapped around the I Beam as shown in Fig. 5-9 require protection from premature failure due to sharp corners. Fig. 5-9A illustrates one method to protect against sharp corner damage. Other methods (such as beam clamps -- Tie-Down Engineering part no. 59003 or equivalent) approved by the local building authority having jurisdiction may be used.

3 Tighten the straps using the tensioning device provided with the ground anchors. Use caution to avoid overtensioning the straps, which might pull the home off the piers. It is recommended that all straps be tightened only enough to remove slack. Then, after all straps are installed and the slack removed, tension the straps.

4 The strap tension should be rechecked at frequent intervals until all pier settlement has stopped.

CAUTION: DURING THE RELEVELING PROCESS, DO NOT JACK THE HOME AGAINST TIGHT STRAPS.

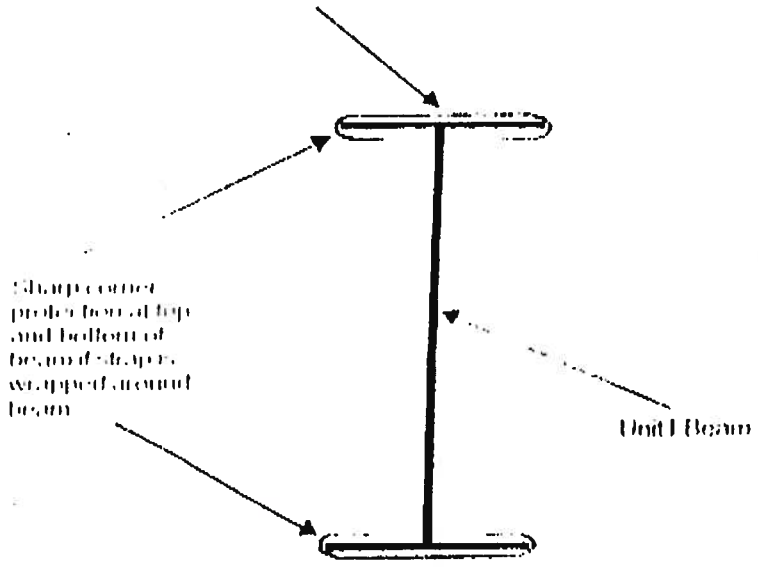


FIG. 5-9A

...P PROCEDURES (Continued)

DOUBLE-WIDE INTERCONNECTION (Continued)

...OTE: IT IS IMPORTANT TO HAVE ROOF/CEILING ...ECTIONS FLUSH AT MATING LINE PRIOR TO FASTEN... ...G OF RIDGE BEAM HALVES. IF THEY ARE NOT LEVEL, ...HEN THE LOW SIDE SHOULD BE RAISED BY JACKING ...ITH A WOOD POST OR STEEL PIPE WITH A WOOD OR ...ETAL PAD AT THE CEILING. PLACE THE BASE OF THE ...CK ACROSS THE FLOOR MATING LINE SO THAT IT ...ESTS ON BOTH HALVES. JACK AGAINST CEILING ...NLY IN AREAS WHERE THERE IS NO MARRIAGE WALL

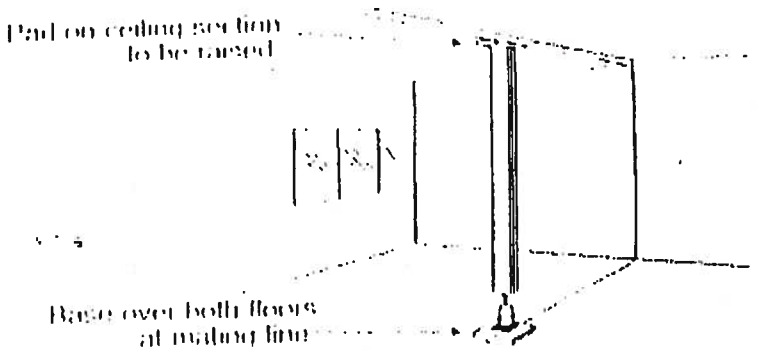


FIG. 5-8

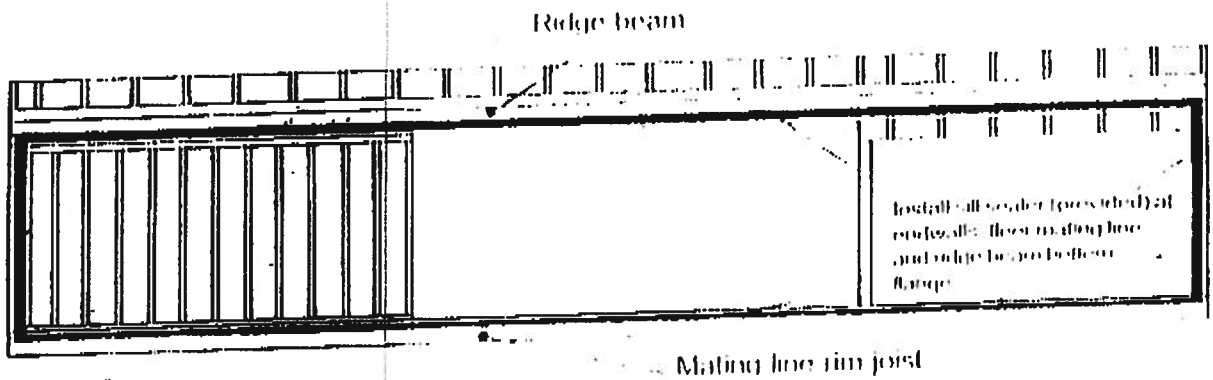


FIG. 5-8A

ATTACHMENT OF GYPSUM PANELS AT DOUBLE-WIDE CENTERLINE

Some multiple-wide units will have a gypsum panel left off at the centerline for field attachment. Fasten the factory ...lied gypsum wallboard panel(s) at the center of the endwalls after the units have been attached. Fasten the panel(s) to ... ...raming as described in figure 5-8B below.

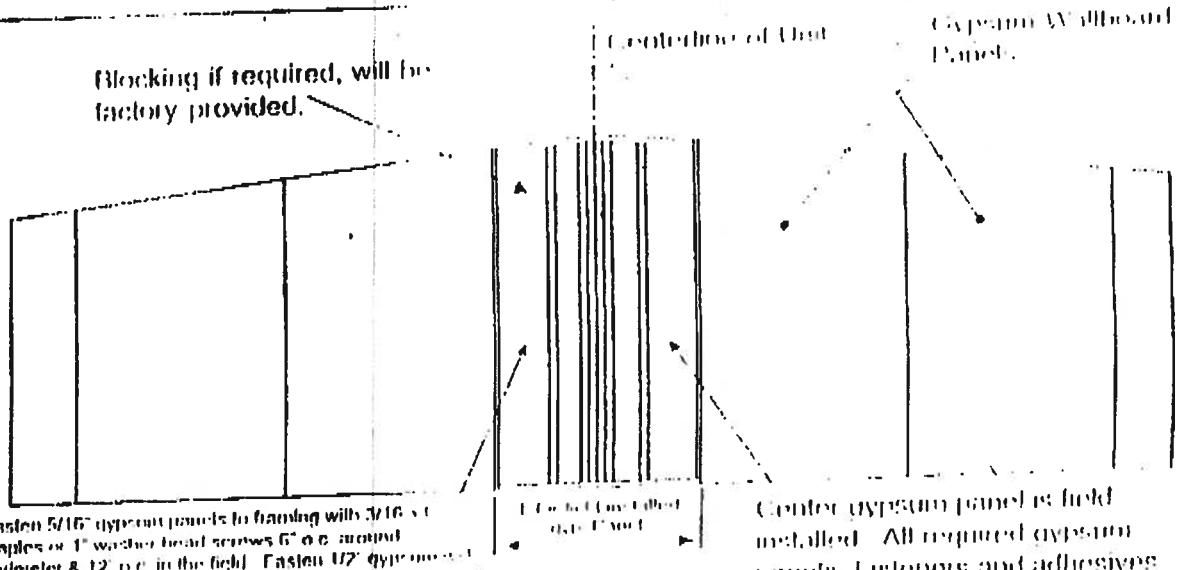


FIG. 5-8B

SET-UP PROCEDURES (Continued)

DOUBLE-WIDE INTERCONNECTION

e procedure for connecting the homes is as follows:

Remove the temporary closure materials (polyethylene l batten strips) and position the halves as close together as sible in the final desired location. Do not remove tempo / beam supports until step 7 has been completed.

Move the first section of home into its desired position. ck and level it in the same manner as described for a gle section home. Skyline Corp. recommends, if possible, heavy half be blocked and leveled first as it is easier to lift l roll the light half and fit into place.

Install sill sealer insulating material (provided) around the ing (to the ridge beam at the ceiling panel line), endwalls l floor mating line. Fasten sill sealer with staples or nails e figure 5-8A.

Slide the two halves together with rolling and jacking ipment. Care must be taken during rolling and jacking rations to avoid overstressing structural members. With halves together at the floor, align the floors at the ends of home. It is better to have a minor misalignment under the ng where it cannot be seen and will not cause a problem, n a small misalignment that will be observed in the interior ne home.

With the home aligned at the floor and supported by its idation, join the floors using 3/8" x 3" (4-1/2" lags with ble perimeter joist) lag screws 2 to 3 feet on center. The terline gap at the floor should be a maximum of 3/16". the procedures outlined on page 19 to level the home. check supports and footings with tables 2 and 3.

To obtain access into the ceiling cavity to bolt or alter ly lag screw the ridge beam sections together, fold back underlayment paper and remove the 16" wide sheathing el(s) at the peak. Note that the shingles may not have n installed on one or both halves, at the 16" wide area at the peak. If one side is shingled, it is intended that the beam be lag screwed together. If neither side is shingled, the beam may be lag screwed or bolted together. Bolts to be 3/8" x 4 1/2" at 48" o.c. with 3 additional bolts at 3" o.c. over interior beam supports. Lag screws to be 3/8" x 5" at 24" o.c. with 6 additional lag screws at 3" o.c. over interior beam supports. (If marriage walls and ridge beam halves have been plated with 3/8" sheathing, then the bolts/lags must be increased in length by 3/4" to 5-3/4".) Predrill 1/4" pilot holes for the lag screws at 1-1/2" down from the top of the beam and with a maximum offset from the horizontal of 45 degrees. A gap between beam halves up to 1" is allowable. Gaps larger than 1/2" must be filled with plywood or lumber shims. For 1/2" max gaps, increase fastener length 1/2". For 1" max. gaps, increase fastener length 1-1/4". See Fig. 5-7.

7. Prior to interconnecting the ridge beam halves, examine the ridge beam ends. Should there be a slight misalignment it can be eliminated by placing a jack under the low side of main beam on one half and use the jack to raise the beam. The alignment can be held by properly bolting or lag screwing the beam halves together. See Fig. 5-8.

8. Place additional pier supports at the centerline at the interior column locations marked on the floor with indicator strips or paint (see Figure 5-3 and 5-4 and Table 3). Skyline Corp. provides pier location diagrams for all multiwide models. These diagrams show the required locations of piers and are very useful in determining pier placement prior to taking receipt of home. Additional piers are required each side of exterior doors and sidewall openings greater than 1' in width. See table 3A for these pier load requirements.

9. Toe nail endwall centerline studs together using 16d nail 10" o.c.

10. If home has double mating walls, then fasten the mating wall columns together with #8 x 4" screws 16" o.c. See Figure 5-7A.

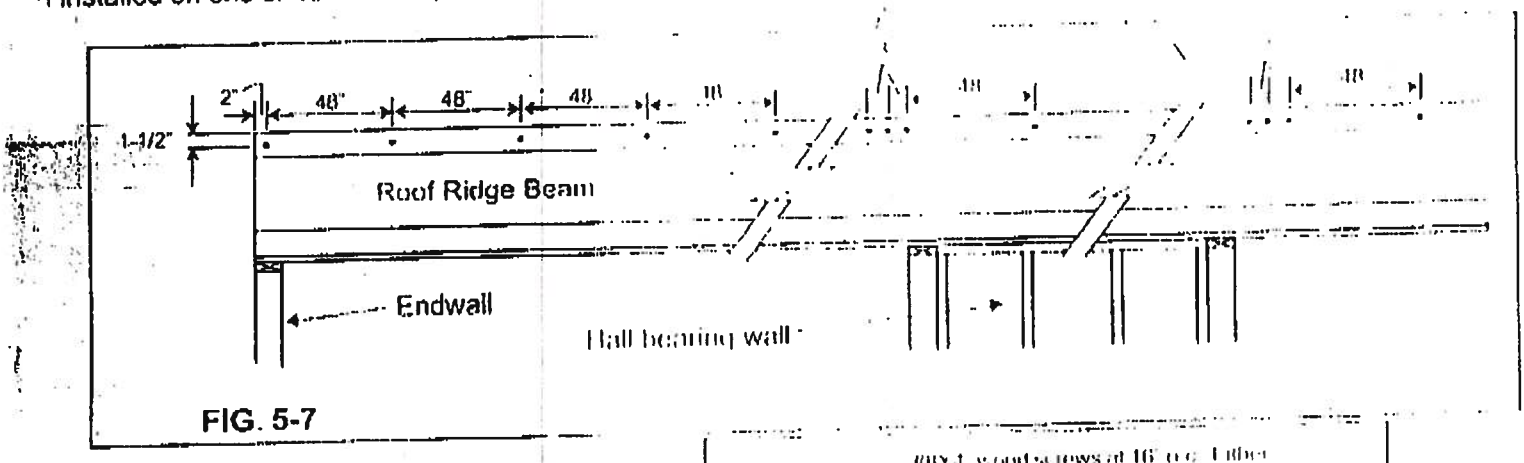


FIG. 5-7

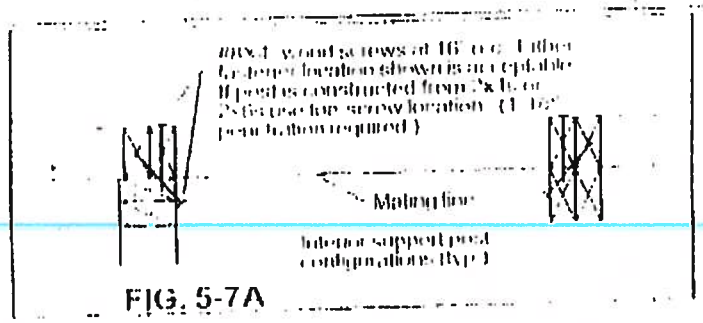


FIG. 5-7A

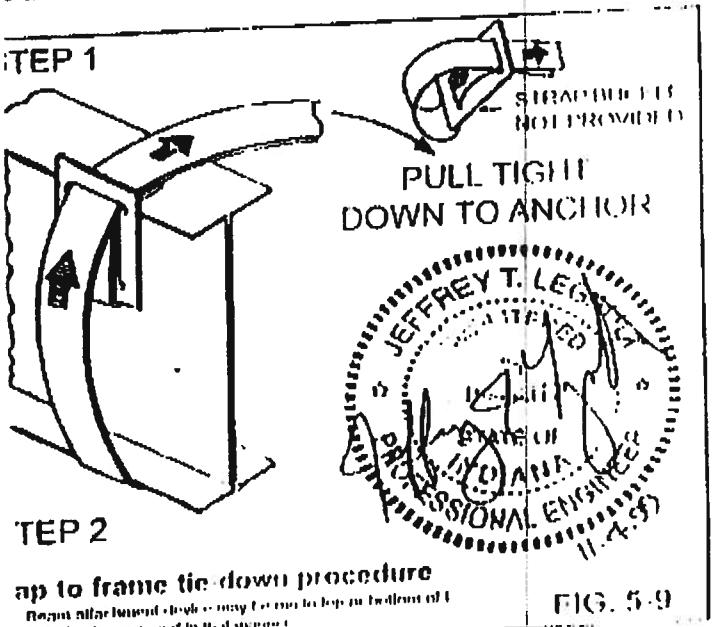
APPROVED
PFS Corporation
Madison WI
01/31/05
HUD Manufactured
Home
Construction &
Safety Standard

2 PROCEDURES (Continued)

MANUFACTURED HOME TIE-DOWN INSTRUCTIONS (Continued)

TIONAL OVER-THE-ROOF STRAP PROCEDURE

over-the-roof straps are provided (optional on all homes) may be connected to ground anchors as specified in the wing procedure in order to achieve additional stability in eme winds. Note that the frame tie-down procedure on e 25 is still mandatory.



ap to frame tie-down procedure

FIG. 5-9

Materials not furnished with the home which will be necessary to properly connect the over the roof straps are:
1. Ground anchors capable of withstanding at least 4,750 pound pull when installed in the soil at the site.
2. Strap end connection devices (See Fig. 5-10).

THE HOME MUST BE IN ITS FINAL LEVEL POSITION WITH FRAME TIES INSTALLED BEFORE CONNECTIN THE OVER-THE-ROOF STRAPS.

The procedure for over the roof strap installation is as follows:
1. Position and install the ground anchors so that the strap will be vertical after attachment to the anchor. The anchor may be installed slightly beneath the home to avoid interference with skirting (See Fig. 5-11).
2. Insert the minuteman connector yoke through the eye of the anchor and insert slotted bolt through the yoke.
3. Place end of strap through slotted bolt and remove slack by turning bolt. DO NOT TENSION UNTIL BOTH ENDS OF STRAP ARE CONNECTED.
4. Tension and lock minuteman connector in position, connect to strap hooks furnished with connectors.
5. Check strap tension (See step 4 under frame tie down procedure).
6. For double wide homes see Fig. 5-12 for the splice connection at the centerline.

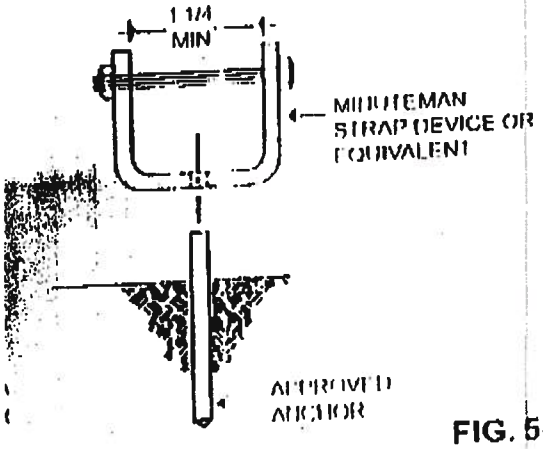


FIG. 5-10

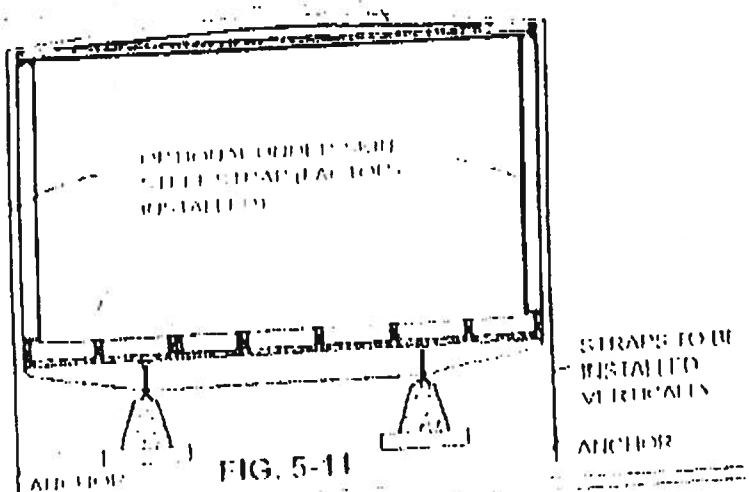


FIG. 5-11

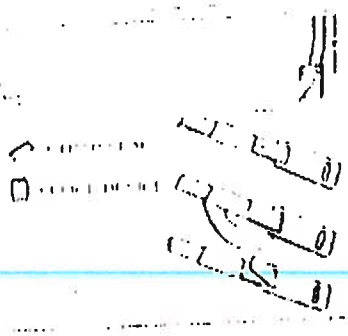
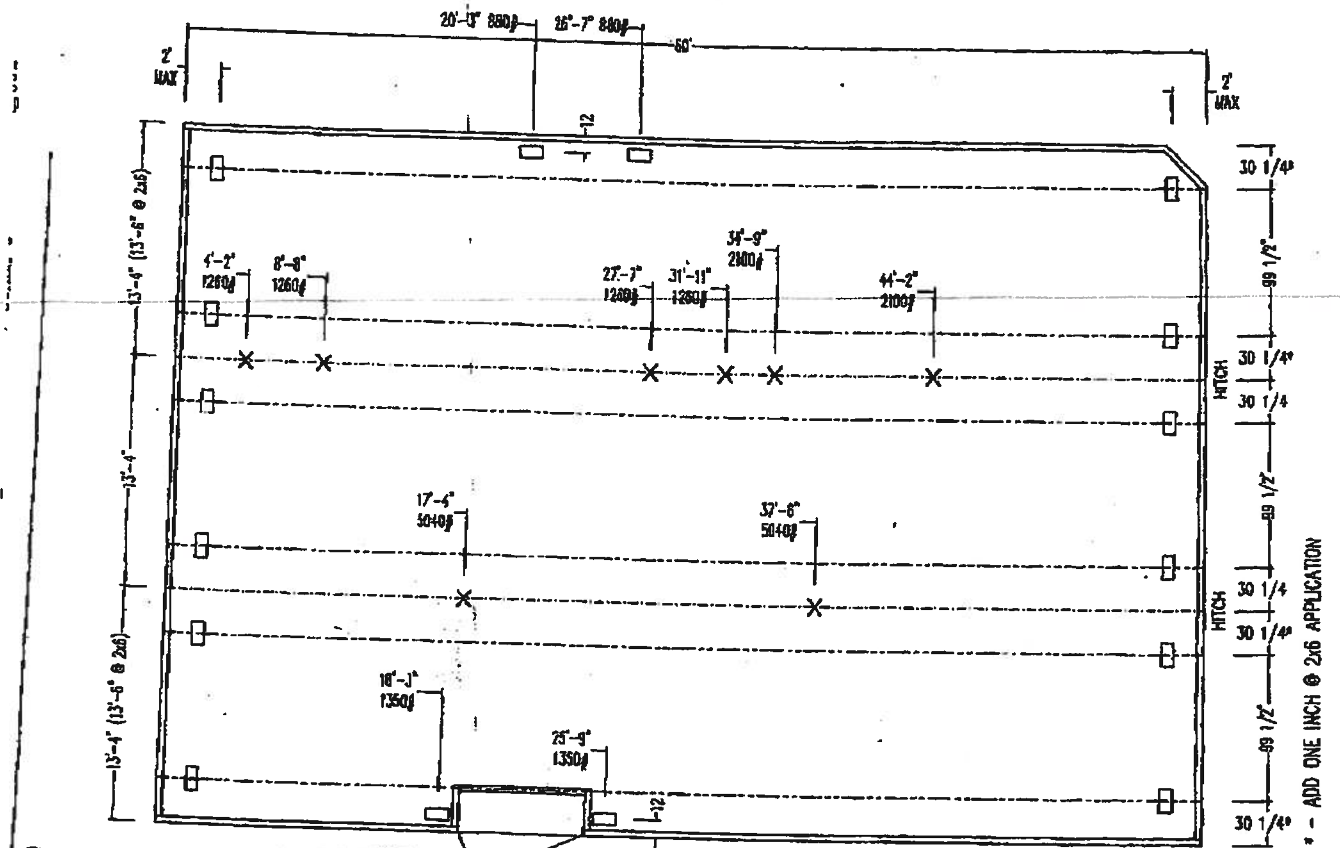


FIG. 5-12



FLORIDA ONLY

PIER POINT LAYOUT (PIERS @ I-BEAM & CENTERLINE WITHOUT PERIMETER FOUNDATION)

20 PSF ROOF ZONE

X COLUMN SUPPORTS. SEE ABOVE DIAGRAM FOR LOCATIONS & LOAD REQUIREMENTS @ 20# ROOF ZONE, SEE TABLE 4 OF INSTALLATION MANUAL FOR FOOTING SIZES.

☐ I-BEAM PIER SUPPORTS. - 8' MAX SPACING - SEE INSTALLATION MANUAL TABLE 2 FOR SPACING AND TABLE 4 FOR FOOTING SIZES.

SUNKEN AREA AND TRANSITION I-BEAM PIER SUPPORTS.

SIDEWALL PIER SUPPORTS. SEE ABOVE DIAGRAM FOR LOC. OF STD. PATIO DOORS, 48" OR LARGER OPENINGS OR PORCH COLUMN LOC.

DIVISIONS			
111	341	550	ENDORSERS
112	344	563	
115	345	571	
125	350	581	
131	522	592	
143	531		
163	535		
171	540		
181	X 548		

REFERENCE NUMBER	DESCRIPTION	DRAWING NUMBER
18-13787	6042-3FK-2B-CATH (60/60/60)	S7570-6

SKYLINE

DRAWN BY WH · SCALE N/A · DATE 07/25/2007 · SHEET OF

A & B Construction, Inc.

P. O. Box 39
Ft. White, FL, 32038
386-497-2311-Phone
386-497-4866-Fax

26100

September 17, 2007

To: Columbia County Building Department

Subject: Change of Mobile Home Installation Contractor

Showcase Homes of Lake City requested that we change the installation contractor for customer "Funk". We are fully aware and approve of the change. Permit was issued for Ronnie Norris. Bernie Thrift will be the installer.

Thank you,

Ricky D. Ford
President
A & B Construction

PERMIT WORKSHEET

PERMIT NUMBER L.H. 26100

Installer Bernard Thrift License # IH0000075

Address of home being installed Skline Loop

Manufacturer Sky line Length x width 60 X 40

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 BT

New Home [X] Used Home [ ]

Home installed to the Manufacturer's Installation Manual [X]

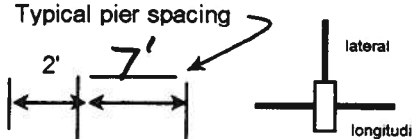
Home is installed in accordance with Rule 15-C [ ]

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

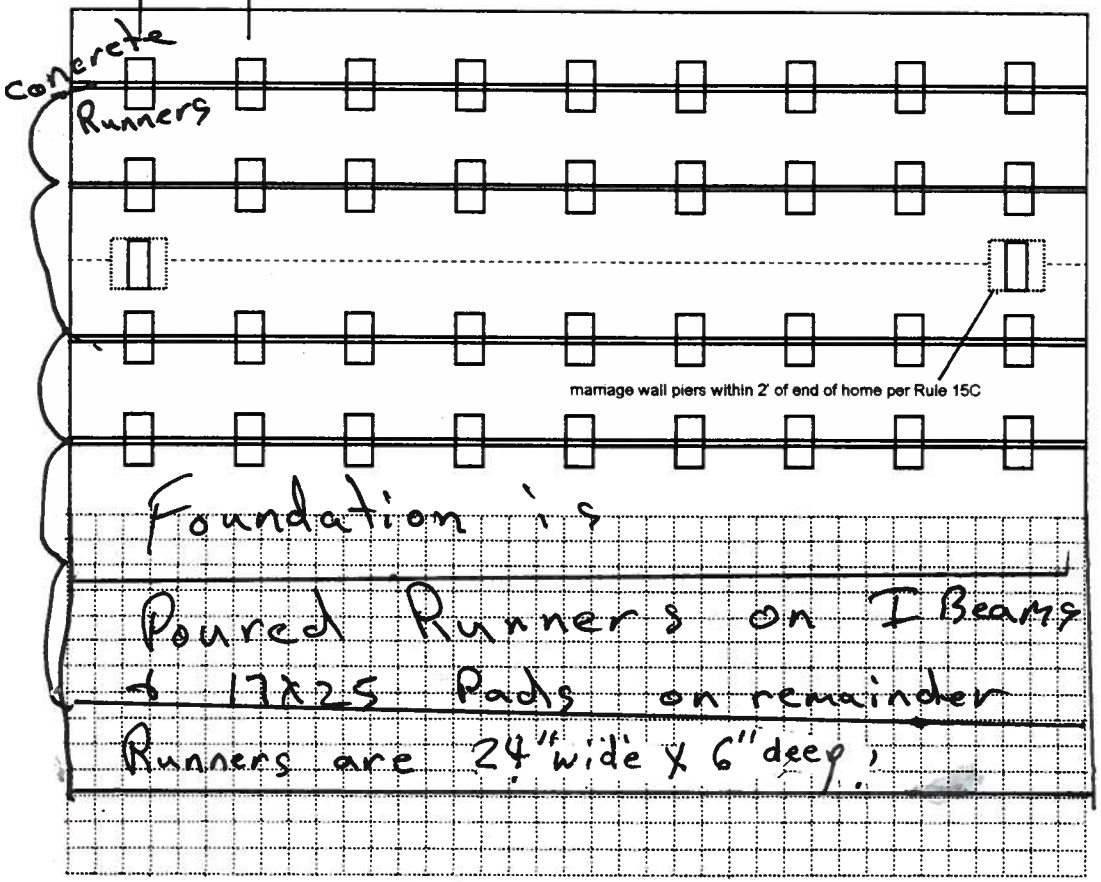
Double wide [ ] Installation Decal # 202399

Triple/Quad [X] Serial # 0135

Typical pier spacing



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



PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*	26" x 26" (676)
1000 psf		3'	4'	5'	6'	7'	8'
1500 psf		4' 6"	6'	7'	8'	8'	8'
2000 psf		6'	8'	8'	8'	8'	8'
2500 psf		7' 6"	8'	8'	8'	8'	8'
3000 psf		8'	8'	8'	8'	8'	8'
3500 psf		8'	8'	8'	8'	8'	8'

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

PIER PAD SIZES

I-beam pier pad size 17x25

Perimeter pier pad size 17x25

Other pier pad sizes (required by the mfg.) 17x25

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
20'	17x25

POPULAR PAD SIZES

Pad Size	Sq In
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

4 ft 5 ft

FRAME TIES

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

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer

Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer All Frame ties with stabilizer Plates

OTHER TIES

	Number
Sidewall	30
Longitudinal	24
Marriage wall	10
Shearwall	4

PERMIT WORKSHEET

PERMIT NUMBER _____

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to 1500 psf or check here to declare 1000 lb. soil without testing.

x 1500 x 1500 x 1500

POCKET PENETROMETER TESTING METHOD

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

x 1500 x 2000 x 2500

TORQUE PROBE TEST

The results of the torque probe test is 290+ 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.

DT Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name Samuel Thrift

Date Tested 9-17-07

Electrical

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

Plumbing

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

Connect all potable water supply piping to an existing water meter, water tap, 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:	3/8 x 5"	Length:	Lags	Spacing: 24" oc
Walls:	Type Fastener:		Length:		Spacing:
Roof:	Type Fastener:		Length:		Spacing:

For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, meldew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials

Type gasket
Pg. Factory Installed

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 N/A
Drain lines supported at 4 foot intervals. Yes
Electrical crossovers protected. Yes
Other : _____

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

Installer Signature Samuel Thrift **Date** 9-19-07