DATE 12/08/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025298

APPLICANT WILLIAM HARPER PHONE 386-688-4192

ADDRESS 119 SW HOBBY PLACE LAKE CITY FL 32024

OWNER FREEDOM MH SALES PHONE 752-5355

ADDRESS 516 SW WHITETAIL CIRCLE LAKE CITY FL 32024

CONTRACTOR WILLIAM HARPER PHONE 688-4192

LOCATION OF PROPERTY 90 W, L 252B, L CALLAHAN AVE, R WHITETAIL CIRCLE,
THEN ON LEFT 8TH LOT AFTER THE CUL-DE-SAC

TYPE DEVELOPMENT MODULAR ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT 15.00 STORIES 1

FOUNDATION _____ WALLS MODULAR ROOF PITCH _____ FLOOR _____

LAND USE & ZONING RSF/MH2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 03-4S-16-02732-577 SUBDIVISION DEER CREEK

LOT 77 BLOCK _____ PHASE 3 UNIT _____ TOTAL ACRES 0.33

000001273		RR28281142		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18'X24'	X06-0426	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1178

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 $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 300.00

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.

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 06-638
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2006028835 Date:12/07/2006 Time:16:43
DC,P.DeWitt Cason,Columbia County B:1104 P:879

PERMIT NO._____ **TAX FOLIO NOS.:**_____

NOTICE OF RE-COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property:

Lot 77 of DEER CREEK PHASE 3, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 186 and 187 of the public records of Columbia County, Florida.

2. General description of improvement: A Single Family Dwelling.

3. Owner information:

a. Name and address: FREEDOM MOBILE HOME SALES, INC., 466 SW Deputy J. Davis Lane, Lake City, FL 32024.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: BILL HARPER, 119 Hobby Place, Lake City, FL 32024.

5. Surety

a. Name and address: None

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 West Highway 90
Lake City, FL 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates TERESA DAVIS, of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, FL 32055, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. This Notice of Commencement replaces the Notice of Commencement recorded in Official Records Book 1103, Page 2733, public records of Columbia County, Florida, which is null and void, and this Notice of Commencement shall expire on December 7, 2007.

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

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 _____ Deputy Clerk
Date 12/7/06

FREEDOM MOBILE HOME SALES, INC.

By: WAYNE FRIER, President

By: STEVEN L. SMITH, Vice President

The foregoing instrument was acknowledged before me this 7th day of December, 2006, by WAYNE FRIER as President and STEVEN L. SMITH, as Vice President of FREEDOM MOBILE HOME SALES, INC. They are personally known to me and who did not take an oath.

Notary Public
My commission expires:_____

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Inst:2006028935 Date:12/07/2006 Time:16:43
_____DC,P.DeWitt Cason,Columbia County B:1104 P:880

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0612-06 Date Received 12/5/06 By LH Permit # 1273/25298

Application Approved by - Zoning Official BLK Date 08.12.06 Plans Examiner ______ Date ______

Flood Zone X per plat Development Permit N/A Zoning RSF/MH-3 Land Use Plan Map Category Res. Mod. Dev.

Comments ______ City Water

Applicants Name WILLIAM L. HARPER Phone 386-688-4192

Address 119 SW HOBBY PL LAKECITY, FL 32024

Owners Name FREEDOM MOBILE HOME SALES INC Phone 386-752-5355

911 Address 516 SW WHITETAIL CIRCLE LAKE CITY FL 32024

Contractors Name BILL HARPER Phone 386-752-2571

Address 119 SW HOBBY PL. LAKE CITY, FL. 32024

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address FULTZ / PLANS KEEN / FOOTER-FOUNDATION

Mortgage Lenders Name & Address First Federal & Savings

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

Property ID Number 03-4S-16-02732-577 Estimated Cost of Construction $100,000.00

Subdivision Name DEER CREEK Lot 77 Block ____ Unit ____ Phase 3

Driving Directions TAKE U.S. 90 WEST TO S.E. CALLAHAN AVE (252B), TURN LEFT, TAKE SE CALLAHAN AVE TO WHITE TAIL CIRCLE (DEAR CREEK SUB), TURN RIGHT, FOLLOW WHITETAIL CIRCLE, PROPERTY ON LEFT

Type of Construction MODULAR Number of Existing Dwellings on Property 0

Total Acreage 0.333 Lot Size 0.333 Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50' Side 15' Side 25' Rear 50'

Total Building Height 15' Number of Stories 1 Heated Floor Area 1500 sq ft Roof Pitch 4/12 TO 7/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

______ [signature]

Owner Builder or Agent (Including Contractor) Contractor Signature

Contractors License Number RR282811402

Competency Card Number 5616

NOTARY STAMP/SEAL

APRIL D. CLARK COMMISSION #DD 408532 Bonded thru Notary Public Underwriters NOTARY PUBLIC STATE OF FLORIDA

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 5th day of DECEMBER 20 06.

Personally known ✓ or Produced Identification ______

[signature] Notary Signature

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

Parcel: 03-4S-16-02732-577

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

<< Prev Search Result: 2 of 6 Next >>

Owner & Property Info

Owner's Name	FREEDOM MOBILE HOMES SALES		
Site Address			
Mailing Address	466 SW DEPUTY J DAVIS LANE LAKE CITY, FL 32024		
Use Desc. (code)	VACANT (000000)		
Neighborhood	3416.00	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.333 ACRES		
Description	LOT 77 DEER CREEK S/D PHASE 3 WD 1040-603.		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$20,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$20,000.00

Just Value	$20,000.00
Class Value	$0.00
Assessed Value	$20,000.00
Exempt Value	$0.00
Total Taxable Value	$20,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
3/7/2005	1040/603	WD	V	U	02	$272,000.00

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
000000	VAC RES (MKT)	1.000 LT - (.333AC)	1.00/1.00/1.00/1.00	$20,000.00	$20,000.00

Columbia County Property Appraiser DB Last Updated: 11/20/2006

<< Prev 2 of 6 Next >>

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 03-4S-16-02932-577

1. Description of property: (legal description of the property and street address or 911 address)
LOT 77 DEER CREEK S/D PHASE 3 WD 1040-603
516 SW WHITETAIL CIRCLE LAKE CITY, FL. 32024

2. General description of improvement: Modular Home

3. Owner Name & Address Freedom Mobile Home Sales Inc.
466 SW Deputy J Davis Ln LC FL 32024 Interest in Property

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name Bill Harper Phone Number 386 688 4192
Address 119 SW Hobby Pl. Lake City FL 32024

6. Surety Holders Name Phone Number
Address
Amount of Bond

7. Lender Name FIRST FEDERAL SAVINGS BANK Phone Number
Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Steve Smith Phone Number 386-752-5355
Address 466 SW Deputy J Davis Ln. Lake City FL 32024

9. In addition to himself/herself the owner designates William L Harper of W L Harper Construction to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee 386-688-4192

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of November 5, 2006

APRIL D. CLARK MY COMMISSION # DD 403532 EXPIRES April 15, 2009 NOTARY PUBLIC STATE OF FLORIDA

NOTARY STAMP/SEAL

Signature of Notary

Inst:2006028675 Date:12/05/2006 Time:13:48
DC,P.DeWitt Cason,Columbia County B:1103 P:2733

600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

APPROVED • OCT 24 2005 • GILBORN, WERNER, CARTER & ASSOC.

Project Name:	PRE-14FL	Builder:	
Address:	PRE-14FL SOUTH	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	South		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1508 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 34.1 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.5) 15.0 ft²		HSPF: 6.60
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 69.9 ft²	b. N/A	
8. Floor types		c. N/A	
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft²	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.97
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1016.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1508.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft		
b. N/A			

Glass/Floor Area: 0.11 Total as-built points: 23396 Total base points: 24964 **PASS**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 10/14/05

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

SEE MANUFACTURER'S CONTRACT WITH FLORIDA DCA

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. Date 10.24.05 Plans Approved By JAMES

GREAT SEAL OF THE STATE OF FLORIDA IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

Modular Building Plans Examiner
Florida License No. SMP-12

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1508.0	32.50	8821.8	Double,U=0.48,Clear	E	1.0	6.3	45.0	70.94	0.97	3111.3
				Double,U=0.48,Clear	W	1.0	6.3	60.0	64.08	0.98	3750.9
				Double,U=0.48,Clear	S	0.0	0.0	30.0	60.89	1.00	1826.8
				Single,U=0.48,Clear	W	0.0	0.0	8.3	73.73	1.00	612.0
				Double,U=0.48,Clear	E	0.0	0.0	8.3	70.94	1.00	588.8
				Double,U=0.48,Clear	N	0.0	0.0	8.3	34.70	1.00	288.0
				As-Built Total:				**159.9**			**10177.9**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1016.0	2.40	2438.4
Exterior	1016.0	2.70	2743.2					
Base Total:	**1016.0**		**2743.2**	**As-Built Total:**		**1016.0**		**2438.4**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.0	6.40	256.0
Exterior	40.0	6.40	256.0				
Base Total:	**40.0**		**256.0**	**As-Built Total:**	**40.0**		**256.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	1508.0	2.80	4222.4	Under Attic	30.0	1508.0	2.77 X 1.00	4177.2
Base Total:	**1508.0**		**4222.4**	**As-Built Total:**		**1508.0**		**4177.2**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0	1508.0	-0.40	-603.2
Raised	1508.0	-2.16	-3257.3					
Base Total:			**-3257.3**	**As-Built Total:**		**1508.0**		**-603.2**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1508.0	18.79	28335.3	1508.0	18.79	28335.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,**	PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 41121.4				**Summer As-Built Points:**						**44781.6**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 42000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)						
				44782	1.00	(1.07 x 1.165 x 1.08)	0.284	0.950		16320.9
41121.4	**0.4266**		**17542.4**	**44781.6**	**1.00**	**1.350**	**0.284**	**0.950**		**16320.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1508.0	2.36	640.6	Double,U=0.48,Clear	E	1.0	6.3	45.0	1.43	1.01	65.1
				Double,U=0.48,Clear	W	1.0	6.3	60.0	2.09	1.00	125.3
				Double,U=0.48,Clear	S	0.0	0.0	30.0	1.27	1.00	38.0
				Single,U=0.48,Clear	W	0.0	0.0	8.3	1.98	1.00	16.5
				Double,U=0.48,Clear	E	0.0	0.0	8.3	1.43	1.00	11.9
				Double,U=0.48,Clear	N	0.0	0.0	8.3	2.47	1.00	20.5
				As-Built Total:				**159.9**			**277.2**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1016.0	0.60	609.6
Exterior	1016.0	0.60	609.6					
Base Total:	**1016.0**		**609.6**	**As-Built Total:**		**1016.0**		**609.6**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.0	1.80	72.0
Exterior	40.0	1.80	72.0				
Base Total:	**40.0**		**72.0**	**As-Built Total:**	**40.0**		**72.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1508.0	0.10	150.8	Under Attic	30.0	1508.0	0.10 X	1.00	150.8
Base Total:	**1508.0**		**150.8**	**As-Built Total:**		**1508.0**			**150.8**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0	1508.0	-0.10	-150.8
Raised	1508.0	-0.28	-422.2					
Base Total:			**-422.2**	**As-Built Total:**		**1508.0**		**-150.8**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1508.0	-0.06	-90.5	1508.0	-0.06	-90.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**960.3**	**Winter As-Built Points:**						**868.3**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
			(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.6) Ducts:Unc(S),Unc(R),Att(AH),R6.0						
			868.3	1.000	(1.099 x 1.137 x 1.14)	0.517	0.950	607.1	
960.3	**0.6274**	**602.5**	**868.3**	**1.00**	**1.425**	**0.517**	**0.950**	**607.1**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2273.00	6819.0	40.0	0.97	3	1.00	2155.83	1.00	6467.5	
				As-Built Total:						**6467.5**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
17542	**602**	**6819**	**24964**	**16321**	**607**	**6468**	**23396**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL SOUTH, , ,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.8

The higher the score, the more efficient the home.

, PRE-14FL SOUTH, , ,

1.	New construction or existing	New			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3			
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1508 ft²			
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description	Area		
	(or Single or Double DEFAULT)	7a. (Dble, U=0.5)	15.0 ft²		
b.	SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Clear)	69.9 ft²		
8.	Floor types				
a.	Raised Wood, Stem Wall	R=19.0, 1508.0ft²			
b.	N/A				
c.	N/A				
9.	Wall types				
a.	Frame, Wood, Exterior	R=13.0, 1016.0 ft²			
b.	N/A				
c.	N/A				
d.	N/A				
e.	N/A				
10.	Ceiling types				
a.	Under Attic	R=30.0, 1508.0 ft²			
b.	N/A				
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft			
b.	N/A				
12.	Cooling systems				
a.	Central Unit			Cap: 42.0 kBtu/hr	
				SEER: 12.00	
b.	N/A				
c.	N/A				
13.	Heating systems				
a.	Electric Heat Pump			Cap: 34.1 kBtu/hr	
				HSPF: 6.60	
b.	N/A				
c.	N/A				
14.	Hot water systems				
a.	Electric Resistance			Cap: 40.0 gallons	
				EF: 0.97	
b.	N/A				
c.	Conservation credits				
	(HR-Heat recovery, Solar DHP-Dedicated heat pump)				
15.	HVAC credits			PT,	
	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)				

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001273

DATE 12/08/2006 PARCEL ID # 03-4S-16-02732-577

APPLICANT WILLIAM HARPER PHONE 386-688-4192

ADDRESS 119 SW HOBBY PLACE LAKE CITY FL 32024

OWNER FREEDOM MH SALES PHONE 752-5355

ADDRESS 516 SW WHITETAIL CIRCLE LAKE CITY FL 32024

CONTRACTOR WILLIAM HARPER PHONE 688-4192

LOCATION OF PROPERTY 90 W, L 252B, L CALLAHAN AVE, R WHITETAIL CIRCLE,

THEN ON LEFT 8TH LOT AFTER TE CUL-DE-SAC

SUBDIVISION/LOT/BLOCK/PHASE/UNIT DEER CREEK 77 3

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[X] Other APPROVED FOR 24 FOOT CULVERTS

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Copy has been filed
JOC
06/12-06

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

December 7, 2006

Freedom Mobile Homes
466 SW Deputy J. Davis Lane
Lake City, Florida 32024

Attention: Mr. Bill Harper

Reference: Modular Home
Deercreek Subdivision, Lot 77
Lake City, Florida
Cal-Tech Project No. 06-681

Dear Mr. Harper,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation for the proposed structure at the above referenced location. Our work was performed in conjunction with and authorized by you.

Introduction

We understand you will place a modular home at the above referenced lot. The structure will measure approximately 1,500 square feet in plan area, and it will be supported by conventional, shallow spread footings. We understand that the design bearing pressure for the foundations is 2,000 pounds per square foot (psf). Detailed foundation loads have not been provided; however, we assume column or pier loads will not exceed 15 kips.

The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,000 psf and to present recommendations for foundation design and construction.

Site Investigation

The subsurface conditions were investigated by performing two (2) dynamic cone penetration tests with a hand-auger boring advanced to a depth of six feet. The borings were performed at the approximate locations indicated on the attached Report of Soil Borings.

The dynamic cone penetration test is performed by driving a standard 60 degree cone into the soil by blows from a 15-pound slide-hammer falling 20 inches. The number of blows required to advance the cone 1.75 inches is designated the dynamic cone penetration resistance. This value can be correlated to N-values of the Standard Penetration Test and is an index of soil density or consistency.

Findings

Boring A-1 initially encountered approximately one foot of sandy clay (CL). We believe that this material is probably fill in origin. Below this and from the ground surface in Boring A-2, very loose to loose fine sands (SP) were encountered to a depth of about four feet. This was underlain by medium dense clayey fine sands (SC) to the termination depth of six feet.

Ground water was not encountered in either of the borings.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Report of Soil Borings. Note that the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

The site soils appear to be very loose to loose to a depth of about three to four feet and then medium dense below. Also, there may be some surface fill soils within the home site. Based upon these findings, moderate site improvement should be performed; however, it is our opinion the site soils are suitable to provide support for the structure using conventional, shallow spread footings. We concur that the foundations may be sized using a maximum soil bearing pressure of 2,000 psf; however, we recommend foundations have minimum width of 24 inches for isolated column or pier footings, even though the allowable soil bearing pressure may not be developed. The bottoms of foundations should penetrate any near surface fill soils and/or be embedded a minimum of 18 inches below the lowest adjacent grade (finished surface grade, for example).

Due to the generally loose condition of the immediate bearing soils, we believe it would be beneficial to proof-roll and then proof-compact the bearing soils in all foundation and floor slab areas. These bearing soils should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least two feet. Compaction of the bearing soils will reduce settling of the foundations and thereby reduce the likelihood of distress in the structure.

Our evaluation is based upon subsurface conditions encountered at this site and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer, CEO

Linda Creamer
President / CEO

Robert W Clark 12/7/06

Robert W. Clark, P.E.
Geotechnical Engineer
Registered Florida No. 52210

A-1

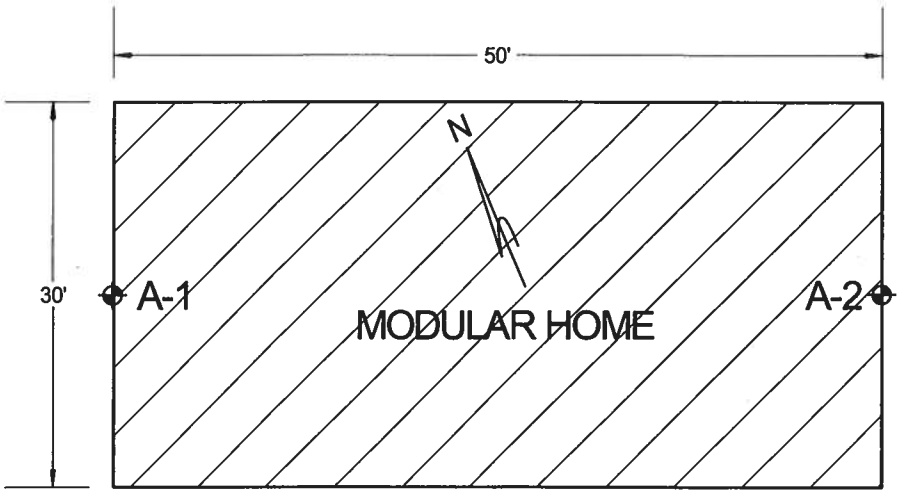
Water Table: N/A

Depth (ft)	Equivalent N - Value	Soil Description
0 ft		Light Green and Orange, Sandy Clay (CL)
	9	Loose, Tan, Fine Sand (SP)
	7	Loose to Medium Dense, Tan and Orange, Fine Sand (SP)
	12	
5 ft	18	Medium Dense, Light Grey and Orange, Clayey, Fine Sand (SC)
	23	
TOB		

A-2

Water Table: N/A

Depth (ft)	Equivalent N - Value	Soil Description
0 ft		
	3	Very Loose, Tan, Fine Sand (SP)
	6	Loose, Tannish Orange, Fine Sand (SP)
	11	Medium Dense, Orange and Tan, Clayey, Fine Sand (SC)
5 ft	30	Medium Dense to Dense, Light Grey and Orange, Clayey, Fine Sand (SC)
	32	
TOB		



MODULAR HOME DEERCREEK SUBDIVISION LOT # 77	REPORT OF SOIL BORINGS				SHEET NO. 1 of 1
	DRAWN BY:	CHECKED BY:	DATE	JOB NO.	
	S.C. YOUNG	R.W. CLARK	12/6/06	06-681	

HWC

ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

February 28, 2006

Precision Homes
305 East Third Street
Ocilla, GA 31774

RE: Manufacturer: Precision Homes
S/N, Size & Occupancy: Yorkshire Pre-14FL (1) 13 x 36 "R-3"
HWC Plan #: 1R-2056-0871F (1) 13 X 28
(1) 13 X 32
(1) 13 X 20

To Whom It May Concern:

This is to certify that the plans for the referenced manufactured building have been reviewed and approved as being in compliance with the 2004 Florida Codes and Standards, with 2005 supplement, as noted on the approved drawings, subject to the following limitations:

1. Approval covers factory-built structure only.
2. Items installed at the site are subject to review, approval, and inspection by the local authority having jurisdiction.
3. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
4. Complies with Rule 9B-72 (Product Approval) as noted on plans.
5. Signed and sealed plans shall be on file with HWC Engineering.
6. NOT approved for High Velocity Hurricane Zone (i.e., Broward and Dade Counties).

Sincerely,

HILBORN, WERNER, CARTER & ASSOCIATES, INC.

Jan A. Lyon

Plan Reviewer

HILBORN, WERNER, CARTER AND ASSOCIATES, INC.
1627 SOUTH MYRTLE AVENUE CLEARWATER, FLORIDA 33756
(727) 584-8151
FAX: (727) 586-3343 / (727) 585-2392 / (727) 587-0447
Modular Dapia Inspection

William J. Kalker, Jr., P.E.
Consulting Engineer
33 Rockwood Lane
Monroe, Connecticut 06468
203/261-1167

Jan 18, 2006

Mr. Walt Clements
Precision Modular
309 E. 4th Street
Ocilla, GA 31774

SUB: Optional Pier Anchors Used In
Model 'Yorkshire' (PRE-14FL)
For Piers Constructed With
Concrete Masonry Blocks (CMU)
In FBC 130 MPH, EXPB Locations

To Whom It May Concern:

This letter certifies that the 'Pier Type B' specified in the foundtaion drawings, prepared by this office for the subject model, may use the following anchor installation method in lieu of the specifications listed on the approved drawing:

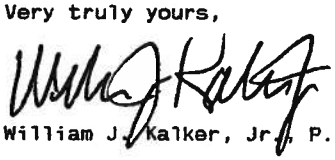
(1) Install four (4) Simpson HTSM20 anchors (with ZMAX galvanized finish) on each pier with two anchors connecting the the pier to the floor system in each module. One anchor must be installed near each corner of the pier connecting the pier to the floor lumber edge joists located below the mate line of the building.

(2) A #5 steel rebar (see drawing for specifications) must be located in each corner of the pier (four bars required in each pier) installed vertically in the cells adjacent to the locations the Simpson anchors will be installed. All of the rebars must extend from the top of pier down to a standard hook in the footing with all rebars installed in fully grouted cells. The grout strength must be 2500 psi minimum with maximum 3/8" aggregate.

(6) Each Simpson anchor will be fastened to the face of a concrete block (CMU) with four 1/4 x 2-1/4 Titen Masonry Screws and be fastened to the floor double edge joists with ten 10d galvanized common nails. All anchors must be installed in accordance with Simpson's installation requirements.

If you have any questions regarding this memo, please do not hesitate to contact me.

Very truly yours,



William J. Kalker, Jr., P.E.

cc: Mr. S. Francis/HWC
(Third-Party)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

APPROVED
OCT 24 2005
ELBORN, WERNER, CARTER & ASSOC.

Project Name:	PRE-14FL	Builder:	
Address:	PRE-14FL CENTRAL	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	Central		

1.	New construction or existing		New	
2.	Single family or multi-family		Single family	
3.	Number of units, if multi-family		1	
4.	Number of Bedrooms		3	
5.	Is this a worst case?		Yes	
6.	Conditioned floor area (ft²)		1508 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a.	U-factor:	Description	Area	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.5)	15.0 ft²	
b.	SHGC:			
	(or Clear or Tint DEFAULT)	7b. (Clear)	69.9 ft²	
8.	Floor types			
a.	Raised Wood, Stem Wall		R=19.0, 1508.0ft²	
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Frame, Wood, Exterior		R=13.0, 1016.0 ft²	
b.	N/A			
c.	N/A			
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic		R=30.0, 1508.0 ft²	
b.	N/A			
c.	N/A			
11.	Ducts			
a.	Sup: Unc. Ret: Unc. AH: Attic		Sup. R=6.0, 150.0 ft	
b.	N/A			

12.	Cooling systems		
a.	Central Unit	Cap: 42.0 kBtu/hr	
		SEER: 12.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 34.1 kBtu/hr	
		HSPF: 6.60	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 40.0 gallons	
		EF: 0.97	
b.	N/A		
c.	Conservation credits		
	(HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits	PT,	
	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 21404
Total base points: 22192

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 10/14/05

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: SEE MANUFACTURER'S CONTRACT WITH FLORIDA DCA

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

Date 10/24/05
Approved By: _____

BUILDING OFFICIAL: _____

DATE: _____

Modular Building Plans Examiner
Florida License No. SMP-12

56.082

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL CENTRAL, , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1508.0	25.78	6997.7	Double,U=0.48,Clear	E	1.0	6.3	45.0	57.38	0.97	2516.5
				Double,U=0.48,Clear	W	1.0	6.3	60.0	51.98	0.97	3039.5
				Double,U=0.48,Clear	S	0.0	0.0	30.0	43.70	1.00	1310.9
				Single,U=0.48,Clear	W	0.0	0.0	8.3	59.76	1.00	496.0
				Double,U=0.48,Clear	E	0.0	0.0	8.3	57.38	1.00	476.2
				Double,U=0.48,Clear	N	0.0	0.0	8.3	28.23	1.00	234.3
				As-Built Total:				**159.9**			**8073.5**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1016.0	1.70		1727.2
Exterior	1016.0	1.90	1930.4								
Base Total:	**1016.0**		**1930.4**	**As-Built Total:**				**1016.0**			**1727.2**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.80		192.0
Exterior	40.0	4.80	192.0								
Base Total:	**40.0**		**192.0**	**As-Built Total:**				**40.0**			**192.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1508.0	2.13	3212.0	Under Attic			30.0	1508.0	2.13 X 1.00		3212.0
Base Total:	**1508.0**		**3212.0**	**As-Built Total:**				**1508.0**			**3212.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			19.0	1508.0	-1.80		-2714.4
Raised	1508.0	-3.43	-5172.4								
Base Total:			**-5172.4**	**As-Built Total:**				**1508.0**			**-2714.4**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1508.0	14.31	21579.5					1508.0	14.31		21579.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL CENTRAL, , ,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28739.2			**Summer As-Built Points: 32069.8**					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 42000 btu/h ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
			32070	1.00	(1.09 x 1.150 x 1.10)	0.284	0.950	11904.6
28739.2	**0.4266**	**12260.1**	**32069.8**	**1.00**	**1.375**	**0.284**	**0.950**	**11904.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL CENTRAL, , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1508.0	5.86	1590.6	Double,U=0.48,Clear	E	1.0	6.3	45.0	3.98	1.01	180.3
				Double,U=0.48,Clear	W	1.0	6.3	60.0	4.66	1.00	280.1
				Double,U=0.48,Clear	S	0.0	0.0	30.0	1.96	1.00	58.8
				Single,U=0.48,Clear	W	0.0	0.0	8.3	4.26	1.00	35.3
				Double,U=0.48,Clear	E	0.0	0.0	8.3	3.98	1.00	33.0
				Double,U=0.48,Clear	N	0.0	0.0	8.3	6.03	1.00	50.0
				As-Built Total:				**159.9**			**637.6**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1016.0	1.80	1828.8
Exterior	1016.0	2.00	2032.0					
Base Total:	**1016.0**		**2032.0**	**As-Built Total:**		**1016.0**		**1828.8**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.0	5.10	204.0
Exterior	40.0	5.10	204.0				
Base Total:	**40.0**		**204.0**	**As-Built Total:**	**40.0**		**204.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1508.0	0.64	965.1	Under Attic	30.0	1508.0	0.64 X	1.00	965.1
Base Total:	**1508.0**		**965.1**	**As-Built Total:**		**1508.0**			**965.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0	1508.0	0.30	452.4
Raised	1508.0	-0.20	-301.6					
Base Total:			**-301.6**	**As-Built Total:**		**1508.0**		**452.4**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1508.0	-0.28	-422.2	1508.0	-0.28	-422.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL CENTRAL, , ,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**4067.9**	**Winter As-Built Points:**					**3665.7**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.6) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
4067.9	**0.6274**	**2552.2**	3665.7 **3665.7**	1.000 **1.00**	(1.078 x 1.160 x 1.11) **1.388**	0.517 **0.517**	0.950 **0.950**	2499.6 **2499.6**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: PRE-14FL CENTRAL, , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2460.00	7380.0	40.0	0.97	3		1.00	2333.20	1.00	6999.6
				As-Built Total:							**6999.6**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
12260	**2552**	**7380**	**22192**	**11905**	**2500**	**7000**	**21404**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL CENTRAL, , ,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

, PRE-14FL CENTRAL, , ,

1.	New construction or existing	New			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3			
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1508 ft²			
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description	Area		
	(or Single or Double DEFAULT)	7a. (Dble, U=0.5)	15.0 ft²		
b.	SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Clear)	69.9 ft²		
8.	Floor types				
a.	Raised Wood, Stem Wall	R=19.0, 1508.0ft²			
b.	N/A				
c.	N/A				
9.	Wall types				
a.	Frame, Wood, Exterior	R=13.0, 1016.0 ft²			
b.	N/A				
c.	N/A				
d.	N/A				
e.	N/A				
10.	Ceiling types				
a.	Under Attic	R=30.0, 1508.0 ft²			
b.	N/A				
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft			
b.	N/A				
12.	Cooling systems				
a.	Central Unit			Cap: 42.0 kBtu/hr	
				SEER: 12.00	
b.	N/A				
c.	N/A				
13.	Heating systems				
a.	Electric Heat Pump			Cap: 34.1 kBtu/hr	
				HSPF: 6.60	
b.	N/A				
c.	N/A				
14.	Hot water systems				
a.	Electric Resistance			Cap: 40.0 gallons	
				EF: 0.97	
b.	N/A				
c.	Conservation credits				
	(HR-Heat recovery, Solar DHP-Dedicated heat pump)				
15.	HVAC credits			PT,	
	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)				

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

APPROVED
OCT 24 2005
HILBORN, WERNER, CARTER & ASSOC.

Project Name:	PRE-14FL	Builder:	
Address:	PRE-14FL NORTH	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing — New __
2. Single family or multi-family — Single family __
3. Number of units, if multi-family — 1 __
4. Number of Bedrooms — 3 __
5. Is this a worst case? — Yes __
6. Conditioned floor area (ft²) — 1508 ft² __
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)
   a. U-factor: (or Single or Double DEFAULT) 7a. Description (Dble, U=0.5) Area 15.0 ft² __
   b. SHGC: (or Clear or Tint DEFAULT) 7b. (Clear) 69.9 ft² __
8. Floor types
   a. Raised Wood, Stem Wall — R=19.0, 1508.0ft² __
   b. N/A __
   c. N/A __
9. Wall types
   a. Frame, Wood, Exterior — R=13.0, 1016.0 ft² __
   b. N/A __
   c. N/A __
   d. N/A __
   e. N/A __
10. Ceiling types
   a. Under Attic — R=30.0, 1508.0 ft² __
   b. N/A __
   c. N/A __
11. Ducts
   a. Sup: Unc. Ret: Unc. AH: Attic — Sup. R=6.0, 150.0 ft __
   b. N/A __
12. Cooling systems
   a. Central Unit — Cap: 42.0 kBtu/hr __ SEER: 12.00 __
   b. N/A __
   c. N/A __
13. Heating systems
   a. Electric Heat Pump — Cap: 34.1 kBtu/hr __ HSPF: 6.60 __
   b. N/A __
   c. N/A __
14. Hot water systems
   a. Electric Resistance — Cap: 40.0 gallons __ EF: 0.97 __
   b. N/A __
   c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) __
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) — PT, __

Glass/Floor Area: 0.11	Total as-built points: 22137 Total base points: 23307	PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [signature]

DATE: 10/14/05

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: SEE MANUFACTURER'S CONTRACT WITH FLORIDA DCA

DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

Date 10-24-05 Approved By JAMES [illegible] 2005-0871F

BUILDING OFFICIAL: [signature]

DATE:

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

Modular Building Plans Examiner
Florida License No. SMP-12

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

EnergyGauge® (Version: FLRCSB v4.0)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1508.0	20.04	5439.7	Double,U=0.48,Clear	W	1.0	6.3	45.0	40.43	0.97	1773.5	
				Double,U=0.48,Clear	E	1.0	6.3	60.0	43.92	0.97	2567.1	
				Double,U=0.48,Clear	N	0.0	0.0	30.0	21.25	1.00	637.6	
				Single,U=0.48,Clear	E	0.0	0.0	8.3	50.53	1.00	419.4	
				Double,U=0.48,Clear	W	0.0	0.0	8.3	40.43	1.00	335.5	
				Double,U=0.48,Clear	S	0.0	0.0	8.3	37.73	1.00	313.2	
				As-Built Total:				**159.9**			**6046.3**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1016.0	1.50		1524.0	
Exterior	1016.0	1.70	1727.2									
Base Total:	**1016.0**		**1727.2**	**As-Built Total:**				**1016.0**			**1524.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.10		164.0	
Exterior	40.0	6.10	244.0									
Base Total:	**40.0**		**244.0**	**As-Built Total:**				**40.0**			**164.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1508.0	1.73	2608.8	Under Attic			30.0	1508.0	1.73 X 1.00		2608.8	
Base Total:	**1508.0**		**2608.8**	**As-Built Total:**				**1508.0**			**2608.8**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			19.0	1508.0	-1.50		-2262.0	
Raised	1508.0	-3.99	-6016.9									
Base Total:			**-6016.9**	**As-Built Total:**				**1508.0**			**-2262.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1508.0	10.21	15396.7					1508.0	10.21		15396.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,**	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 19399.5			**Summer As-Built Points:**					**23477.8**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 42000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
19399.5	0.4266	8275.8	23478 **23477.8**	1.00 **1.00**	(1.09 x 1.147 x 1.11) **1.388**	0.284 **0.284**	0.950 **0.950**	8803.4 **8803.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1508.0	12.74	3458.1	Double,U=0.48,Clear	W	1.0	6.3	45.0	9.51	1.01	431.0
				Double,U=0.48,Clear	E	1.0	6.3	60.0	7.72	1.01	469.6
				Double,U=0.48,Clear	N	0.0	0.0	30.0	13.32	1.00	399.7
				Single,U=0.48,Clear	E	0.0	0.0	8.3	6.36	1.00	52.8
				Double,U=0.48,Clear	W	0.0	0.0	8.3	9.51	1.00	79.0
				Double,U=0.48,Clear	S	0.0	0.0	8.3	2.29	1.00	19.0
				As-Built Total:				**159.9**			**1451.1**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1016.0	3.40	3454.4
Exterior	1016.0	3.70	3759.2					
Base Total:	**1016.0**		**3759.2**	**As-Built Total:**		**1016.0**		**3454.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.0	8.40	336.0
Exterior	40.0	12.30	492.0				
Base Total:	**40.0**		**492.0**	**As-Built Total:**	**40.0**		**336.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1508.0	2.05	3091.4	Under Attic	30.0	1508.0	2.05 X	1.00	3091.4
Base Total:	**1508.0**		**3091.4**	**As-Built Total:**		**1508.0**			**3091.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0	1508.0	0.80	1206.4
Raised	1508.0	0.96	1447.7					
Base Total:			**1447.7**	**As-Built Total:**		**1508.0**		**1206.4**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1508.0	-0.59	-889.7		1508.0	-0.59	-889.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**11358.7**	**Winter As-Built Points:**					**8649.6**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.6) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
11358.7	0.6274	7126.5	8649.6	1.00	1.375	0.517	0.950	5836.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2635.00	7905.0		40.0	0.97	3	1.00	2499.18	1.00	7497.5	
				As-Built Total:						**7497.5**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8276	**7126**	**7905**	**23307**	**8803**	**5836**	**7498**	**22137**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **PRE-14FL NORTH, , ,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.0

The higher the score, the more efficient the home.

, PRE-14FL NORTH, , ,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 42.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 12.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1508 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble, U=0.5) 15.0 ft²		a. Electric Heat Pump	Cap: 34.1 kBtu/hr
	b. SHGC:				HSPF: 6.60
	(or Clear or Tint DEFAULT) 7b.	(Clear) 69.9 ft²		b. N/A	
8.	Floor types				
	a. Raised Wood, Stem Wall	R=19.0, 1508.0ft²		c. N/A	
	b. N/A		14.	Hot water systems	
	c. N/A			a. Electric Resistance	Cap: 40.0 gallons
9.	Wall types				EF: 0.97
	a. Frame, Wood, Exterior	R=13.0, 1016.0 ft²		b. N/A	
	b. N/A				
	c. N/A			c. Conservation credits	
	d. N/A			(HR-Heat recovery, Solar	
	e. N/A			DHP-Dedicated heat pump)	
10.	Ceiling types		15.	HVAC credits	PT,
	a. Under Attic	R=30.0, 1508.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
	b. N/A			HF-Whole house fan,	
	c. N/A			PT-Programmable Thermostat,	
11.	Ducts			MZ-C-Multizone cooling,	
	a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft		MZ-H-Multizone heating)	
	b. N/A				

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Florida Product Approval Specification Sheet

Manufacturer: Precision Homes Plan# YORKSHIRE

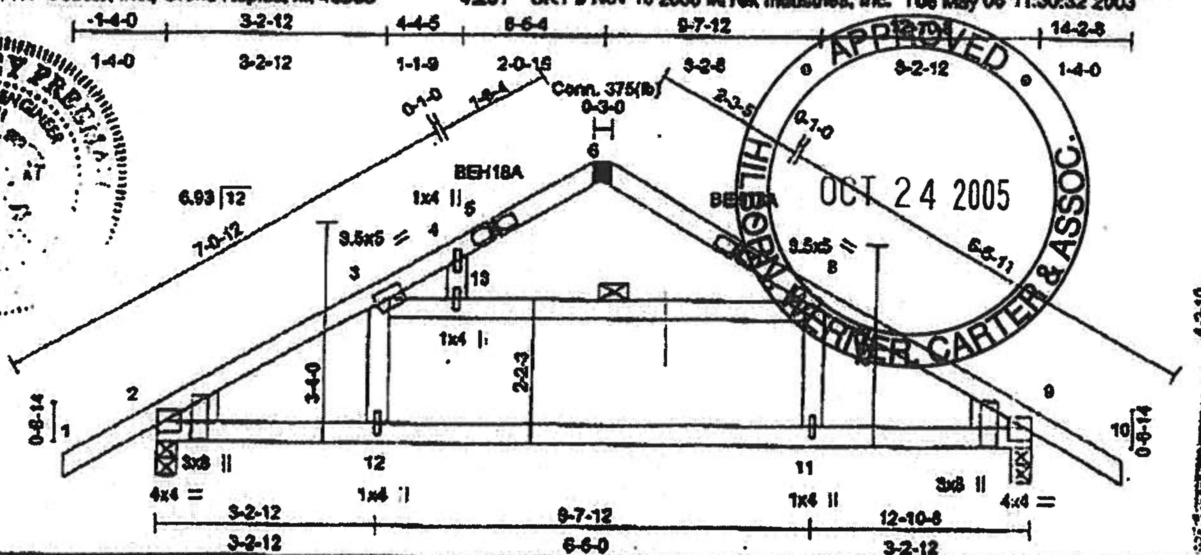
2004 2056-0871

CATEGORY	MANUFACTURER	PRODUCT DESCRIPTION	APPROVAL # (S)
EXTERIOR DOORS			
SWINGING	Plast Pro Inc.	Exterior Door	FL-4764, FL-4760
	McPhillips Mfg. Corp.	Exterior Door	FL-5464,5466-5469-R1
	Masonite Intl.	Exterior Door	FL-4334-R1, 4668-R1
SLIDING			
	Pella	Sliding Glass Door	FL428-439-R1
	Kinro	Sliding Glass Door	FL-2865
WINDOWS			
SINGLE HUNG	Kinro	9750 Series	FL-993-R1
	Action Windoor Technology	Brick Mould Series 2900F	FL-1782-R1
	West Windows	Allweld II	FL-5411
ROOFING PRODUCTS			
RIDGE VENT	Air Vent Inc.	Ridge Vent	FL-1607
ASPHAULT SHINGLES	Owens Corning	Asphault Shingles	FL-3633-R1
	Tamko Roofing Products	Asphault Shingles	FL-1956-R1
	GAF Materials	Asphault Shingles	FL-183-R1
UNDERLAYMENT	Tamko Roofing Products	Felt Paper	FL-1481-R1, FL1744-R1
	Warrior Roofing	Felt Paper	FL-2346-R1, 4302-R1
TRUSS PLATES	Mitek Industries	16, 18, & 20 GA Plates	FL-2197-R1
STRUCTURAL COMPONETS			
Wood Connectors	Simpson Strong Tie	Straps and Anchors	FL-474-R1, FL-1725-R1,
			FL-1218-R1, FL-1463-R1,
			FL-1901-R2, FL-538-R1
			FL-503-R1, FL-1423-R2
Uplift Straps	Elixir Industries	1 1/2" x 26 GA. Straps	APPROVAL PENDING

130 mph

Job	Truss	Truss Type	Qty	Ply	PRECISION MODULAR 316
22594	P283301	HINGED COMMON	1	1	Ref. P2163R01 Dsgr: MP

Universal Forest Products, Inc., Grand Rapids, MI 49505 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Tue May 06 11:30:32 2003



KEVIN WESLEY PRE... REGISTERED ENGINEER

APPROVED OCT 24 2005 HILBORN, WERNER, CARTER & ASSOC.

Plate Offsets (X,Y): [2:0-0-1,0-1-3], [2:0-6-0,0-2-9], [5:0-0-6,0-1-2], [7:0-0-5,0-1-2], [9:0-0-1,0-1-7], [9:0-6-0,0-2-9]

SPACING 2-0-0 LOADING (psf)		SPACING 1-4-0 LOADING (psf)				CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	TCLL	30.0	Plates Increase	1.15	TC	0.57	Vert(LL)	-0.12	11-12	>999	MII20	197/144
TCDL	10.0	TCDL	10.0	Lumber Increase	1.15	BC	0.68	Vert(TL)	-0.16	11-12	>917	MII18	141/138
BCLL	10.0	BCLL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.01	9	n/a		
BCDL	10.0	BCDL	10.0	Code	SBC/ANSI95	(Matrix)		1st LC LL Min l/defl = 240				Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud
WEDGE
Left: 2 X 6 SPF No.3, Right: 2 X 6 SPF No.3

BRACING
TOP CHORD Sheathed or 5-10-15 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS (lb/size) 2=646/0-3-8, 9=646/0-3-8
Max Uplift 2=-759(load case 2), 9=-759(load case 2)
Max Grav 2=697(load case 5), 9=697(load case 6)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=25, 2-3=-872, 3-4=-159, 4-5=-125, 5-6=-93, 6-7=-92, 7-8=-148, 8-9=-888, 9-10=25
BOT CHORD 2-12=702, 11-12=702, 9-11=702
WEBS 3-13=-611, 8-13=-621, 3-12=191, 8-11=233, 4-13=10

GEORGIA REGISTERED No. 26639 PROFESSIONAL ENGINEER ... W. F. 5/6/03

NOTES (7-13)
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the loads generated by 130 mph winds at 30 ft above ground level located 1 mi from the hurricane oceanline. ASCE 7-98 components and cladding external pressure coefficients for the exterior (2) zone and 6.0 psf top chord and 6.0 psf bottom chord dead load are being used. The design assumes occupancy category II, terrain exposure C and internal pressure coefficient condition I. If end verticals exist, they are not exposed to wind. If cantilevers exist, they are exposed to If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.33. This design also meets 110 mph wind speed per ASCE 7-93.
3) All plates are MII20 plates unless otherwise indicated.
4) This truss has been designed with ANSI/TPI 1-1995 criteria.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 759 lb uplift at joint 2 & 759 lb uplift at joint 9.
6) This truss has been designed to meet a 30 PSF Pg Snow Zone and was checked for an unbalanced load of 34.54 PSF @ 16" o/c per ASCE 7-98. Ce=1.0 Ct=1.0 I=1.0.
7) Truss members shall not be cut, drilled, sliced, notched or otherwise altered without written approval of the design engineer.
8) Provisions must be made to prevent lateral movement of the top chord during transportation. Extreme care must be utilized rotating the top chord into place.
9) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
10) This truss has been designed to meet a 20 PSF Pg Snow Zone and was checked for an unbalanced load of 23.02 PSF @ 24" o/c per ASCE 7-98. Ce=1.0 Ct=1.0 I=1.0.
11) This truss has been designed to meet 2000 IBC, Section 2308.10.7.1;2000 IRC R802.10.
12) This truss has been designed to meet 1997 Standard Building Code, Sec. 2309.2.

MAY 06 2003

5/6/03

WARNING - *Verify design parameters and READ NOTES*

Universal Forest Products, Inc. 2801 EAST BELTLINE RD. NE
PHONE (616)-364-6161 FAX (616)-361-7534 GRAND RAPIDS, MI 49505

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

NOTES:

1) ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE.
2) ALL CONNECTOR PLATES ARE TO BE INSTALLED ON BOTH SIDES UNLESS OTHERWISE INDICATED
3) ALL PLATES TO BE PLACED SYMMETRICALLY ON JOINTS UNLESS NOTED OTHERWISE.
4) PLACE PLATE SO THAT ELONGATED PUNCH HOLES ARE PARALLEL WITH LINES INDICATED ON DRAWING.
5) BEARING ARROW INDICATES 2-1/2" BEARING UNLESS OTHERWISE INDICATED
6) TOP CHORD OVERHANG AND/OR SOFFIT BLOCK MAY BE CUT BACK TO THE HEEL OF THE TRUSS. OVERHANG MAY BE MFG. AT ANY LENGTH UP TO THE MAXIMUM SHOWN.
7) THIS DESIGN ASSUMES THE TOP & BOTTOM CHORDS ARE CONTINUOUSLY BRACED BY PROPERLY APPLIED RIGID SHEATHING (PLYWOOD DECKING OR DRYWALL).
8) TRUSS MEMBERS SHALL NOT BE CUT, DRILLED, SLICED, NOTCHED OR OTHERWISE ALTERED WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.
9) INDICATED TRUSS PITCH IS APPROXIMATE. ALWAYS REFER TO THE ACTUAL DIMENSIONS BEFORE CUTTING.
10) PROVISIONS MUST BE MADE TO PREVENT LATERAL MOVEMENT OF THE TOP CHORD DURING TRANSPORTATION. EXTREME CARE MUST BE UTILIZED ROTATING THE TOP CHORD INTO PLACE. TAKE PRECAUTION TO KEEP THE CHORDS IN PLANE. ANY BENDING OR TWISTING OF THE HINGE PLATE MUST BE REPAIRED BEFORE THE BUILDING IS PUT INTO SERVICE.
11) TRUSS PRODUCTION MUST BE CONDUCTED UNDER A QUALITY CONTROL PROGRAM ADMINISTERED BY AN INDEPENDENT THIRD PARTY INSPECTION AGENCY.
12) FOR PROPER PERFORMANCE, BUILDER MUST PROVIDE ADEQUATE FIELD CONNECTIONS. SIZE CONNECTIONS TO RESIST THE FORCES SHOWN IN CHARTS A&B OR A MINIMUM OF 200# AXIAL FORCE AND SHEAR.
13) TRUSSES SHALL BE BRACED ACCORDING TO T.P.I.'S H.I.B.-91, HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES.
14) FOR MONO-SLOPED DESIGNS, THE UNBALANCED LOADING CONDITION ASSUMES AN IDENTICAL DESIGN MIRRORED ABOUT THE CENTERLINE TO CREATE A SYMMETRICAL TRUSS.
15) TRUSS MAY BE CUT ALONG VERTICAL LINE IN REFERENCE TO ARROW.

ENGINEER APPROVAL

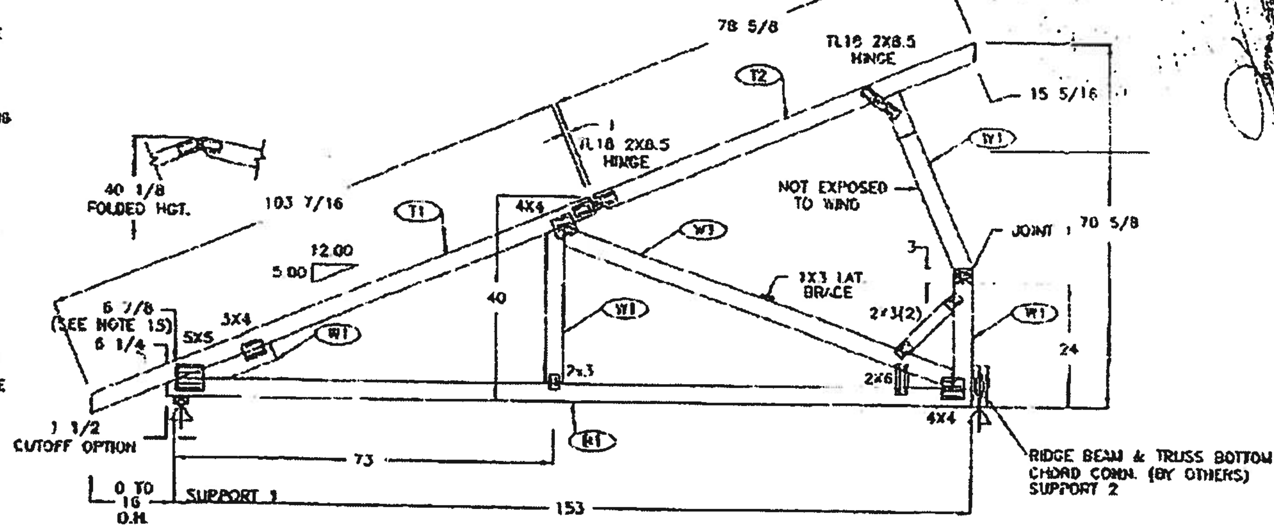
GEORGIA REGISTERED PROFESSIONAL ENGINEER KEVIN W. FREEMAN

ALABAMA LICENSED No. 25622 PROFESSIONAL ENGINEER KEVIN W. FREEMAN

NORTH CAROLINA PROFESSIONAL SEAL 029074 ENGINEER KEVIN W. FREEMAN

SOUTH CAROLINA No. 28554 KEVIN W. FREEMAN

APPROVED OCT 24 2005 CARTER & ASS.



\\...\Trussgrp\Support\MasterBlocks\Modular01.dwg (1/14/02)

* GROUND SNOW LOAD

THIS TRUSS WAS DESIGNED IN ACCORDANCE WITH:
1) 1997 NDS & TPI 1-1995
2) 2000 IBC Section 2308.10.7.1;2000 IRC R802.10
3) ASCE 7-98 C/C,Int. Zone,130mph,I=1.0,Z=25ft. Exp.C. Req.Shape,Eff. Area=50sf.,Bldg. Cat.II,Enclosed
5) Snow: Ce=1.0, Ct=1.0, I=1.0, Cat II Bldg.

LUMBER COMPONENTS		MARK
TOP CHD 2X4 NO. 2	SPF	(T1)
TOP CHD 2X4 NO. 2	SPF	(T2)
BOT CHD 2X4 NO. 2	SPF	(B1)
BOT CHD		(B2)
WEBS 2X4 NO. 3	SPF	(W1)
WEBS		(W2)
WEBS		(W3)
WEBS 2X3 NO. 3	SPF	OTHERS

GRAVITY LOADS		
SPACING IN CENTERS	24	16
SNOW PSF	30.0*	45.0*
TCDL PSF	10.0	15.0
BCLL PSF	10.0	15.0
BCDL PSF	10.0	15.0

ON-SITE CONNECTIONS (SEE NOTE 12)			
CHART A	AXIAL COMP.	AXIAL TENSION	SHEAR
JOINT 1	297#	295#	
JOINT 2	--	--	--
JOINT 3	--	--	--
JOINT 4	--	--	--

CHART B	VERT	HORIZ.	UPLIFT
SUPPORT 1	917#	--	453#
SUPPORT 2	779#	462#	386#
SUPPORT 3	--	--	--

CODE: IBC/IRC
DATE DRAWN: 2/13/02
DRAWN BY: MS
SCALE: 3/16=1

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UNIVERSAL FOREST PRODUCTS, INC.
CORPORATE ENGINEERING

DRAWN FOR: PRECISION MODULAR
DWG. NO. HM2695R01
PLANT DESIGN #: REFERENCE DRAWING # HM2321R03

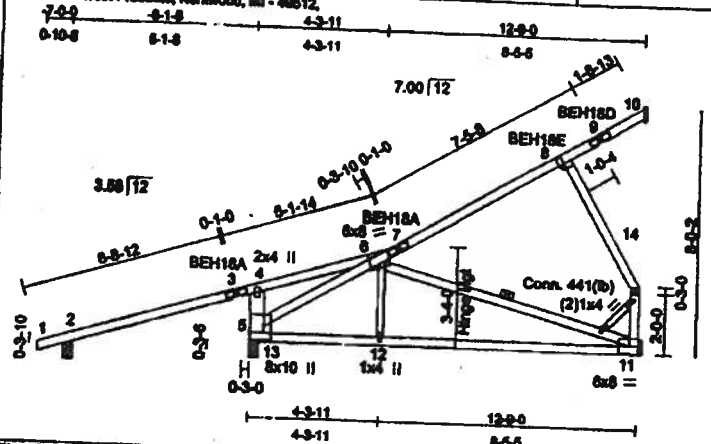
Job	Truss	Truss Type	Qty	Ply	PRECISION HOMES 316 GA
24686	HM430802	HINGED MONO	1	1	bk DSG: AJS

Universal Forest Products, Kentwood, MI - 49512,

5.100 s May 30 2003 MiTek Industries, Inc. Wed Dec 10 [illegible]:02 2003 Page 1

REF [illegible]

APPROVED
WILBORN, WERNER, CARTER & ASSOC.
OCT 24 2003



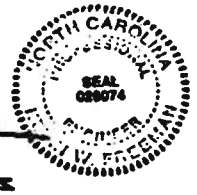


Plate Offsets (X,Y): [3:0-1-2,0-1-1], [6:0-6-0,0-4-0], [7:0-0-6,0-1-2], [8:0-0-11,0-1-2], [9:0-1-1,0-0-10], [13:0-6-8,0-2-15]

SPACING 2-0-0	ALT SPACING 1-4-0			
LOADING (psf)	LOADING (psf)			
TCLL 20.0	TCLL 30.0	Plates Increase 1.15	CSI	
TCDL 10.0	TCDL 15.0	Lumber Increase 1.15	TC 0.77	
BCLL 10.0	BCLL 15.0	Rep Stress Incr YES	BC 0.76	
BCDL 10.0	BCDL 15.0	Code IRC2000/ANSI95	WB 0.60	
			(Matrix)	

DEFL	in	(loc)	l/defl	L/d
Vert(LL)	-0.32	11-12	>464	240
Vert(TL)	-0.39	11-12	>387	180
Horz(TL)	-0.02	11	n/a	n/a

PLATES	GRIP
MI20	197/144

Weight: 68 lb

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 3 SPF Stud "Except"
6-14 2 X 4 SPF Stud, 6-11 2 X 4 SPF No.2, 11-14 2 X 4 SPF No.2, 4-13 2 X 6 SPF No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-15 oc bracing.
WEBS 1 Row at midpt 6-11

REACTIONS (lb/size) 13=788/0-3-8, 13=788/0-3-8, 11=928/Mechanical, 10=0/Mechanical, 2=2020/0-3-8
Max Horz 13=778(load case 5), 13=-51(load case 1), 10=128(load case 5)
Max Uplift 13=-793(load case 5), 11=-599(load case 5), 2=-531(load case 5)
Max Grav 13=837(load case 2), 13=788(load case 1), 11=903(load case 2), 2=2057(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 11-14=-105, 5-6=-1027, 6-7=-278, 7-8=-193, 8-9=-118, 9-10=-70, 1-2=-15, 2-3=-33, 3-4=-60, 4-5=-255
BOT CHORD 12-13=-841, 11-12=-674
WEBS 6-14=-214, 6-12=-287, 6-11=-593, 5-13=-750, 4-5=-229

NOTES
1) Wind: ASCE 7-98; 130mph; h=30ft; TCDL=6.0psf; BCDL=6.0psf; Category II; Exp C; enclosed;C-C exterior zone; cantilever left and right exposed ;Lumber DOL=1.60 plate grip DOL=1.33.
2) TCLL: ASCE 7-98; Pg= 20.0 psf (ground snow); Category II; Exp C; Partially Exp.; Ct=1.1; IBC-00 1607.11.2 minimum roof live load applied where required.
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for 2.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table 1607.1 of IBC-00.
7) All plates are MI20 plates unless otherwise indicated.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 793 lb uplift at joint 13, 599 lb uplift at joint 11 and 531 lb uplift at joint 2.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Truss members shall not be cut, drilled, sliced, notched or otherwise altered without written approval of the design engineer.
12) Provisions must be made to prevent lateral movement of the top chord during transportation. Extreme care must be utilized rotating the top chord into place.
13) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
14) This truss has been designed to meet 2000 IBC, Section 2308.10.7.1;2000 IRC R802.10 .
15) This truss has been designed to meet 1999 Standard Building Code (SBCCI), Sec. 2309.2 .
16) This truss is based on HM430801. Lateral brace at joint 15 moved to center of diagonal web.

DEC 11 2003

WARNING - Verify design parameters and READ NOTES

Universal Forest Products, Inc. 2801 EAST BELTLINE RD. NE
PHONE (616)-364-6161 FAX (616)-361-7534 GRAND RAPIDS, MI 49505

CERTIFICATE OF 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 03-4S-16-02732-577 **Building permit No.** 000025298

Use Classification MODULAR **Fire:** 77.00

Permit Holder WILLIAM HARPER **Waste:** 201.00

Owner of Building FREEDOM MH SALES **Total:** 278.00

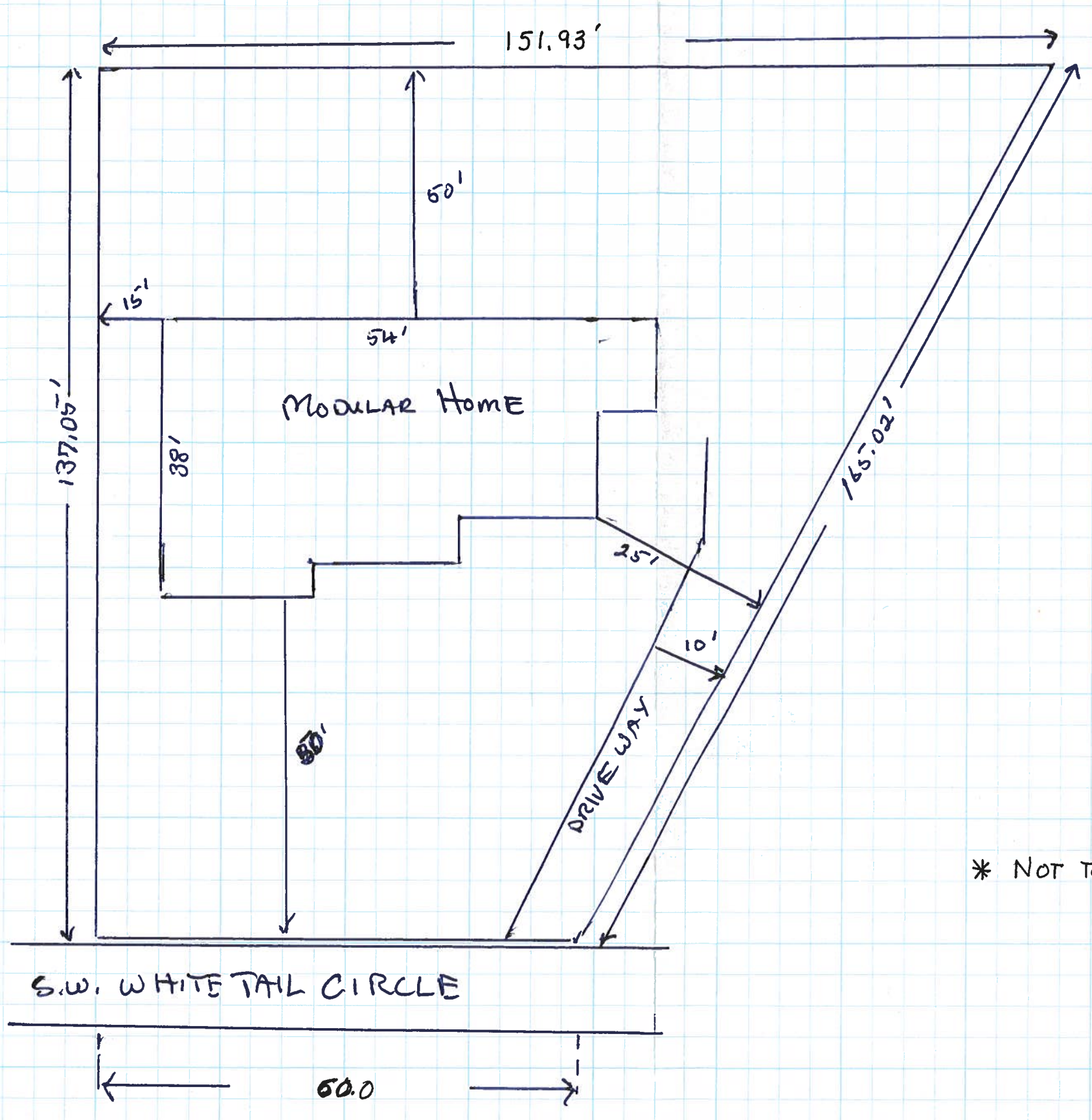
Location: 516 SW WHITETAIL CIRCLE, LAKE CITY, FL

Date: 10/25/2007

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



NORTH

SITE PLAN

OWNER: FREEDOM MOBILE HOMES
CONTRACTOR: BILL HARPER
PARCEL I.D. #: 03-45-16-029-32-577

LOT 77 DEAR CREEK SUBDIVISION

* NOT TO SCALE