

DATE 12/08/2006

Columbia County Building Permit

PERMIT
000025297

This Permit Expires One Year From the Date of Issue

APPLICANT WILLIAM HARPER PHONE 752-2571
ADDRESS 119 SW HOBBY PLACE LAKE CITY FL 32024
OWNER JONATHAN & APRIL POWELL PHONE 759-5977
ADDRESS 214 SW SUNSET WAY LAKE CITY FL 32024
CONTRACTOR WILLIAM HARPER PHONE 752-2571
LOCATION OF PROPERTY 90 WEST, L 247, R TROY RD, L SUNSET, ON RIGHT

TYPE DEVELOPMENT MODULAR HOME 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 RSF2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02901-001 SUBDIVISION TROY PINES
LOT 1 BLOCK PHASE UNIT TOTAL ACRES 0.93

RR28281142
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 06-1060MD BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

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 \$ TOTAL FEE 275.00
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR 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.

Columbia County Building Permit Application

For Office Use Only Application # 0612-09 Date Received 12/5/06 By GT Permit # 25297
 Application Approved by - Zoning Official afv Date 12/8/06 Plans Examiner OKJTH Date 12-5-06
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.
 Comments 2 MH's to be removed within 45 days of GO being issued
☐ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit WILLIAM L. HARPER Phone 386-752-2571
 Address 119 SW HOBBY PL. LAKE CITY, FL 32024
 Owners Name JONATHAN LEE AND APRIL POWELL Phone 904-759-5977
 911 Address 214 SW SUNSET WAY LAKE CITY, FL 32024
 Contractors Name WILLIAM L. 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 PLATE / PLANS KEENE / FOUNDATION
 Mortgage Lenders Name & Address FIRST / FIDELITY KEENE / FOUNDATION
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 10-45-16-02901-001 Estimated Cost of Construction 128,000
 Subdivision Name TROY PINES Lot 1 Block Unit Phase
 Driving Directions GO US-90 WEST TO HWY 247, TURN LEFT, GO HWY 247 TO TROY RD., TURN RIGHT, GO TROY RD TO SUNSET WAY, TURN LEFT HOME ON RIGHT
 Type of Construction MODULAR Number of Existing Dwellings on Property 0?
 Total Acreage .93 Lot Size .93 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 65' Side 50' Side 45' Rear 155'
 Total Building Height 15' Number of Stories 1 Heated Floor Area 1716 Roof Pitch 3.5
TOTAL 1716

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 COMMENCEMENT 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.

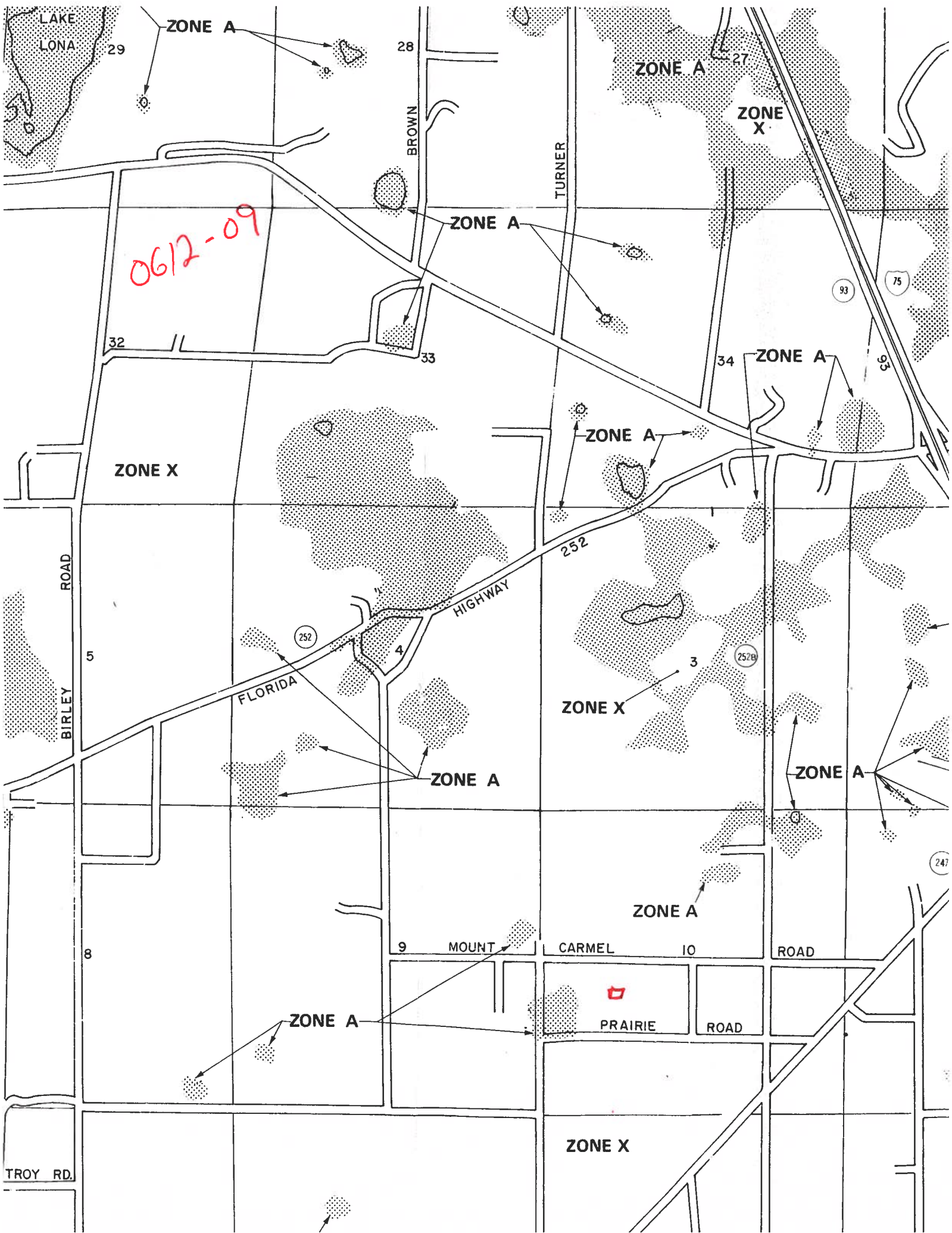
Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 30 day of November 20 06.

Personally known ☒ or Produced Identification ☐

Contractor Signature William L. Harper
 Contractors License Number RR202811402
 Competency Card Number 5616
 NOTARY STAMP/SEAL
 Notary Signature Clark
 (Revised Sept. 2006)



0612-09

ZONE A

ZONE A

ZONE X

ZONE A

ZONE A

ZONE X

ZONE A

ZONE X

ZONE A

ZONE A

ZONE A

ZONE A

ZONE X

BIRLEY ROAD

BROWN

TURNER

HIGHWAY

FLORIDA

MOUNT

CARMEL

ROAD

PRAIRIE

ROAD

TROY RD.

WEST TROY PINES
(UNRECORDED)

LOT 16

LOT 1

LOT 3

BLOCK C
TROY PINES

LOT 1
0.93 AC. ±

MOBILE HOME

MOBILE HOME

2" WELL

WEST R/W

N 01°56'06" W (M)
N 01°56'06" W (P)
(BASIS OF BEARINGS)

SW SUNSET WAY

N 01°42'30" W (M)
N 01°42'30" W (P)

FND 4"x4" CM, RLS1443
6.30' N & 0.28' W

N 87°59'09" E 245.00' (M)
N 87°59'09" E 245.07' (P)

166.08' (M)
165.79' (P)

165.96' (M)
165.79' (P)

N 88°00'46" E 244.34' (M)
N 87°59'09" E 244.35' (P)

RLS1443
0.41' W

FSM4804

RLS1443

NO ID

12.9'

13.2'

47.7'

46.3'

42.0'

13.7'

1.99'

1.99'

60.1'

48.7'

81.6'

76.8'

12.2'

8.01'

13.8'

12.2'

8.01'

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 10-46-16-02901-001

1. Description of property: (legal description of the property and street address or 911 address)

Lot 1 BLK E Troy Pines addition Plat Book 3 PG 85 Public Records
Columbia County, FL
214 SOUTHWEST SUNSET WAY, LAKE CITY, FLORIDA 320242. General description of improvement: New Modular Home3. Owner Name & Address Jonathan Lee and April Lee Powell 2692 Springlake
Rd, Jacksonville, FL 32210 Interest in Property Fee Simple

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

5. Contractor Name WL Harper Consturction Phone Number 386-752-2571
Address 119 SW Hobby Place Lake City, FL 320246. Surety Holders Name N/A Phone Number
Address

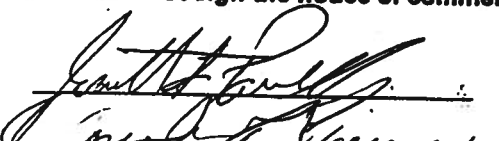
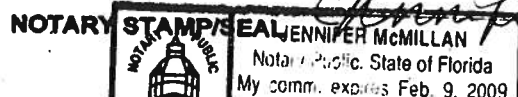
Amount of Bond

7. Lender Name Freedom Mobile Home Sales, Inc Phone Number 386-752-5355
Address 466 SW Deputy J Davis Lane, Lake City, FL 32024

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 Freedom Mobile Home Sales Inc. Phone Number 386-752-5355
Address 466 Deputy J Davis Lane Lake City, FL 320249. In addition to himself/herself the owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____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 OwnerSworn to (or affirmed) and subscribed before
day of Dec 11 2006

Sep. 21. 2006 3:47PM FREEDOM HOMES SERVICE

No. 5331 P. 4

Inst: 2006010043 Date: 08/08/2006 Time: 15:27

Doc Stamp-fee: 0.70

P. 7 DC, P. DeWitt Cason, Columbia County B: 1092 P: 456

Above Space Reserved for Recording

(If required by your jurisdiction, list above the name & address of: 1) where to return this form; 2) preparer; 3) party requesting recording.)

Quitclaim Deed

Date of this Document: 8-7-06

Reference Number of Any Related Documents: _____

Grantor:

Name DOROTHY J. HARRINGTON
Street Address 274 SW SUNSET WAY
City/State/Zip LAKE CITY FL 32024

Grantee:

Name JONATHAN LEE POWELL
Street Address 274 SW SUNSET WAY
City/State/Zip LAKE CITY FL 32024

Abbreviated Legal Description (i.e., lot, block, plat or section, township, range, quarter/quarter or unit, building and condo name): LOT 1 & LOT 2 BLOCK E TROY PINES ADDITIONAssessor's Property Tax Parcel/Account Number(s): 10-413-16-02901-000

THIS QUITCLAIM DEED, executed this 7th day of AUGUST
2006, by first party, Grantor, DOROTHY J. HARRINGTON, whose
mailing address is 274 SW SUNSET WAY LAKE CITY FL 32024,
second party, Grantee, JONATHAN L. POWELL,
whose mailing address is 274 SW SUNSET WAY LAKE CITY FL 32024

WITNESSETH that the said first party, for good consideration and for the sum of \$10.00
Dollars (TEN) paid by the said second party, the receipt whereof is hereby acknowledged,
does hereby remise, release and quitclaim unto the said second party forever, all the right, title, interest and claim,

Sep. 21. 2006 3:47PM FREEDOM HOMES SERVICE

No. 5331 P. 5

which the said first party has in and to the following described parcel of land, and improvements and appurtenances thereto in the County of COLUMBIA, State of FL

to wit: LOT 1 & LOT 2 BLOCK E TROY PINES ADDITION

IN WITNESS WHEREOF, the said first party has signed and sealed these presents the day and year first written above. Signed, sealed and delivered in the presence of:

Signature of Witness

Print Name of Witness

Joyce D. Cook
Joyce D. Cook

Signature of Witness

Print Name of Witness

Travonna Coker
Travonna Coker

Signature of Grantor

Print Name of Grantor

Dorothy J. Harrington
DOROTHY J. HARRINGTON

State of

County of

FloridaColumbia

On

August 7, 2006

before me,

Sylvia Sheppard

appeared

Dorothy Harrington

personally known to me (or proved

to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

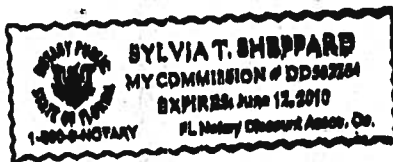
WITNESS my hand and official seal,

Signature of Notary

Affiant Known ☒ Produced ID

Type of ID

(Seal)



Inst: 2006018845 Date: 08/08/2006 Time: 15:27
Doc Stamp-Deed: 0.70
DC, P. DeWitt Cason, Columbia County, B: 1092 P: 457

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

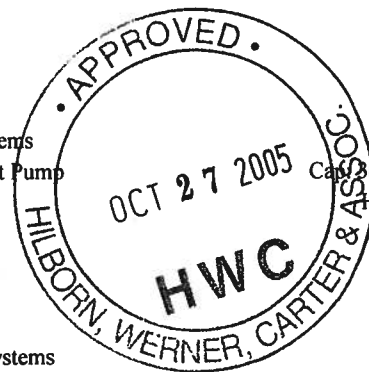
Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **FP-108**
Address:
City, State: ,
Owner: **PRECISION HOIMES**
Climate Zone: **South**

Builder: **ALL OPTIONS**
Permitting Office:
Permit Number:
Jurisdiction Number: **22006**

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 4 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1716 ft² ☐
7. Glass type¹ 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) 34.9 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 71.5 ft² ☐
8. Floor types
 - a. Raised Wood, Stem Wall R=19.0, 1716.0ft² ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1472.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1716.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Outdoors Sup. R=6.0, 150.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 32.0 kBtu/hr
SEER: 12.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 34.1 kBtu/hr
SPF: 6.80 ☐
 - 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) ☐



SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA

Glass/Floor Area: 0.14

Total as-built points: 28434
Total base points: 30195

PASS

Handwritten signature and date: 10-26-05

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

PREPARED BY: *Whit Cur*

DATE: 10-15-05

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

OWNER/AGENT: *See Manuf. contract*

DATE: *W/ FLA 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.

BUILDING OFFICIAL: *James A. Hays*

DATE: *10-27-05*



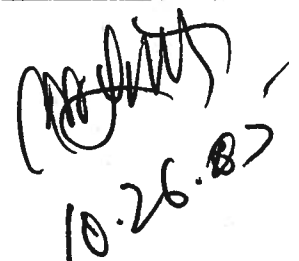
¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1716.0	32.50	10038.6	Double,U=0.48,Clear	N	1.0	10.0	48.8	34.70	0.99	1683.1
				Double,U=0.48,Clear	S	1.0	10.0	85.4	60.89	1.00	5176.7
				Double,U=0.48,Clear	W	1.0	10.0	36.6	64.08	1.00	2334.1
				Double,U=0.48,Clear	N	1.0	10.0	69.9	34.70	0.99	2410.2
				As-Built Total:				240.7		11604.1	
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		1472.0	2.40		3532.8	
Exterior	1472.0	2.70	3974.4								
Base Total:		1472.0	3974.4	As-Built Total:				1472.0		3532.8	
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			38.4	6.40		245.8	
Exterior	38.4	6.40	245.8								
Base Total:		38.4	245.8	As-Built Total:				38.4		245.8	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1716.0	2.80	4804.8	Under Attic	30.0		1716.0	2.77 X 1.00		4753.3	
Base Total:		1716.0	4804.8	As-Built Total:				1716.0		4753.3	
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		1716.0	-0.40		-686.4	
Raised	1716.0	-2.16	-3706.6								
Base Total:		-3706.6		As-Built Total:				1716.0		-686.4	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1716.0	18.79	32243.6	1716.0 18.79 32243.6							

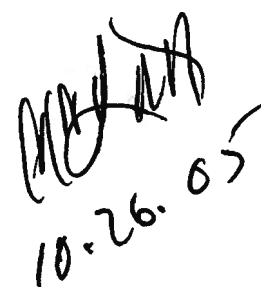


SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 47600.6				Summer As-Built Points: 51693.2						
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
47600.6	0.4266		20306.4	(sys 1: Central Unit 32000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Out(AH),R6.0(INS) 51693 1.00 (1.07 x 1.165 x 1.03) 0.284 1.000 18913.4 51693.2 1.00 1.288 0.284 1.000 18913.4						



10.26.05

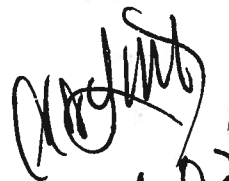
WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1716.0	2.36	729.0	Double,U=0.48,Clear	N	1.0	10.0	48.8	2.47	1.00	120.1
				Double,U=0.48,Clear	S	1.0	10.0	85.4	1.27	1.00	107.5
				Double,U=0.48,Clear	W	1.0	10.0	36.6	2.09	1.00	76.5
				Double,U=0.48,Clear	N	1.0	10.0	69.9	2.47	1.00	172.0
				As-Built Total:			240.7			476.2	
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			1472.0	0.60		883.2
Exterior	1472.0	0.60	883.2								
Base Total:				1472.0			883.2				
DOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				38.4	1.80		69.1
Exterior	38.4	1.80	69.1								
Base Total:				38.4			69.1				
CEILING TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1716.0	0.10	171.6	Under Attic	30.0			1716.0	0.10 X 1.00		171.6
Base Total:				1716.0			171.6				
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			1716.0	-0.10		-171.6
Raised	1716.0	-0.28	-480.5								
Base Total:				-480.5			1716.0			-171.6	
INFILTRATION											
Area X BWPM = Points							Area X WPM = Points				
1716.0 -0.06 -103.0							1716.0 -0.06			-103.0	


 10-26-05

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 1269.4				Winter As-Built Points: 1325.6									
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
1269.4		0.6274	796.4	(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) 1325.6		1.000		(1.099 x 1.137 x 1.08)		0.501		1.000	897.1
1269.4		0.6274	796.4	1325.6		1.00		1.350		0.501		1.000	897.1

(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Out(AH),R6.0

(Signature)
10-2605

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit Multiplier	= Total
4		2273.00	9092.0	40.0	0.97	4	1.00	2155.83	1.00 8623.3
				As-Built Total:					8623.3

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
20306		796	9092 30195	18913		897	8623 28434

PASS

[Handwritten Signature]
10.26.05

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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 circuit 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.	


 10-26-05

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.6

The higher the score, the more efficient the home.

PRECISION HOIMES, . . .

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1716 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 34.1 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.5) 34.9 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 71.5 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Raised Wood, Stem Wall	R=19.0, 1716.0ft ²	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.97
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1472.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1716.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Outdoors	Sup. R=6.0, 150.0 ft		
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 EnergyStarTM 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.
EnergyGauge® (Version: FLRCSB v4.0)

10-26-05



ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

February 21, 2006

Precision Homes
305 East Third Street
Ocilla, GA 31774

RE: Manufacturer: Precision Homes
 S/N, Size & Occupancy: FP-108 (26 X 66) "R"
 HWC Plan #: 1R-2056-0854F

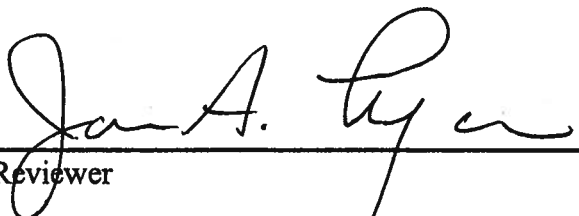
To Whom It May Concern:

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.



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 Design Inspection

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: FP-108	Builder: ALL OPTIONS
Address:	Permitting Office:
City, State:	Permit Number:
Owner: PRECISION HOIMES	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 4 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1716 ft² ☐
7. Glass type¹ 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) 34.9 ft² ☐
 - b. SHGC: 7b. (Clear) 71.5 ft² ☐
 - (or Clear or Tint DEFAULT)
8. Floor types
 - a. Raised Wood, Stem Wall R=19.0, 1716.0ft² ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1472.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1716.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Outdoors Sup. R=6.0, 150.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 32.0 kBtu/hr
SEER: 12.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 34.1 kBtu/hr
HSPF: 6.80 ☐
 - 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) ☐



**SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.**

Glass/Floor Area: 0.14

Total as-built points: 26080
Total base points: 27310

PASS

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

PREPARED BY: W. H. C.

DATE: 10-15-05

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

OWNER/AGENT: See Manuf. Contract

DATE: w/ FLA 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 Statute 553.908
BUILDING OFFICIAL: By JAMES A. LYONS

DATE: 2006-08-15



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: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1716.0	25.78	7962.9	Double,U=0.48,Clear	N	1.0	10.0	48.8	28.23	0.99	1369.1
				Double,U=0.48,Clear	S	1.0	10.0	85.4	43.70	0.99	3694.9
				Double,U=0.48,Clear	W	1.0	10.0	36.6	51.98	0.99	1892.2
				Double,U=0.48,Clear	N	1.0	10.0	69.9	28.23	0.99	1960.4
As-Built Total:				240.7 8916.6							
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		1472.0		1.70	2502.4	
Exterior	1472.0	1.90	2796.8								
Base Total:				1472.0				2796.8			
DOOR TYPES				Area X BSPM = Points							
				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			38.4		4.80	184.3	
Exterior	38.4	4.80	184.3								
Base Total:				38.4				184.3			
CEILING TYPES				Area X BSPM = Points							
				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1716.0	2.13	3655.1	Under Attic	30.0		1716.0		2.13 X 1.00	3655.1	
Base Total:				1716.0				3655.1			
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		1716.0		-1.80	-3088.8	
Raised	1716.0	-3.43	-5885.9								
Base Total:				1716.0				-5885.9			
INFILTRATION				Area X BSPM = Points							
				Area X SPM = Points							
1716.0 14.31 24556.0				1716.0 14.31		24556.0					

10-26-05

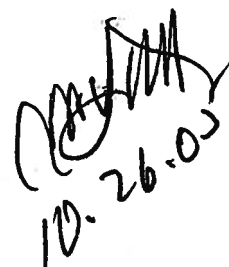
SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 33269.2				Summer As-Built Points: 36725.6						
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
33269.2	0.4266		14192.6	(sys 1: Central Unit 32000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Out(AH),R6.0(INS) 36726 1.00 (1.09 x 1.150 x 1.02) 0.284 1.000 13306.7 36725.6 1.00 1.275 0.284 1.000 13306.7						



10-26-03

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

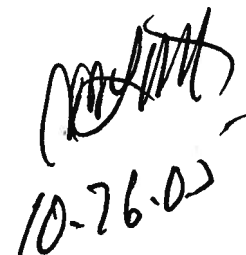
BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1716.0	5.86	1810.0	Double,U=0.48,Clear	N	1.0	10.0	48.8	6.03	1.00	293.8
				Double,U=0.48,Clear	S	1.0	10.0	85.4	1.96	1.00	166.7
				Double,U=0.48,Clear	W	1.0	10.0	36.6	4.66	1.00	170.4
				Double,U=0.48,Clear	N	1.0	10.0	69.9	6.03	1.00	420.7
				As-Built Total:				240.7		1051.7	
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			1472.0	1.80	2649.6	
Exterior	1472.0	2.00	2944.0								
Base Total:	1472.0		2944.0	As-Built Total:				1472.0		2649.6	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				38.4	5.10	195.8	
Exterior	38.4	5.10	195.8								
Base Total:	38.4		195.8	As-Built Total:				38.4		195.8	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1716.0	0.64	1098.2	Under Attic	30.0			1716.0	0.64 X 1.00		1098.2
Base Total:	1716.0		1098.2	As-Built Total:				1716.0		1098.2	
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			1716.0	0.30	514.8	
Raised	1716.0	-0.20	-343.2								
Base Total:			-343.2	As-Built Total:				1716.0		514.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	1716.0	-0.28	-480.5	1716.0 -0.28 -480.5							

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 5224.4				Winter As-Built Points: 5029.7						
Total Winter Points	X Multiplier	= Heating Points		Total Component (System - Points)	X Ratio (DM x DSM x AHU)	Cap X Multiplier	Duct X Multiplier	System X Multiplier	X Credit Multiplier	= Heating Points
5224.4	0.6274	3277.8		(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Out(AH),R6.0 5029.7	1.000	(1.078 x 1.160 x 1.09)	0.502	1.000	3440.9	
5224.4	0.6274	3277.8		5029.7	1.00	1.363	0.502	1.000	3440.9	



10-26-02

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Ratio	Tank X Multiplier	X Credit = Total Multiplier
4		2460.00	9840.0	40.0	0.97	4	1.00	2333.20	1.00 9332.8
				As-Built Total:					9332.8

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
14193		3278	9840 27310	13307		3441	9333 26080

PASS

[Signature]
10-26-05

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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 circuit 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.	

[Signature]
10-26-05

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.4

The higher the score, the more efficient the home.

PRECISION HOIMES, . . .

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 12.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1716 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 34.1 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.5)	34.9 ft ² ___		HSPF: 6.80
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear)	71.5 ft ² ___	c. N/A	___
8. Floor types		___		___
a. Raised Wood, Stem Wall	R=19.0, 1716.0ft ²	___	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, 1472.0 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1716.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Outdoors	Sup. R=6.0, 150.0 ft	___		___
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 EnergyStarTM 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.
EnergyGauge® (Version: FLRCSB v4.0)

Handwritten signature and date: 10-26-05

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **FP-108**

Address:

City, State:

Owner: **PRECISION HOIMES**Climate Zone: **North**

Builder:

ALL OPTIONS

Permitting Office:

Permit Number:

Jurisdiction Number:

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 4 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1716 ft² ☐
7. Glass type¹ 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) 34.9 ft² ☐
 - b. SHGC:

(or Clear or Tint DEFAULT) 7b. (Clear) 71.5 ft² ☐
8. Floor types
 - a. Raised Wood, Stem Wall R=19.0, 1716.0ft² ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1472.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1716.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Outdoors Sup. R=6.0, 150.0 ft ☐
 - b. N/A ☐

12. Cooling systems

a. Central Unit

Cap: 32.0 kBtu/hr
SEER: 12.00

b. N/A

c. N/A

13. Heating systems

a. Electric Heat Pump

Cap: 34.1 kBtu/hr
HSPF: 6.80

b. N/A

c. N/A

14. Hot water systems

a. Electric Resistance

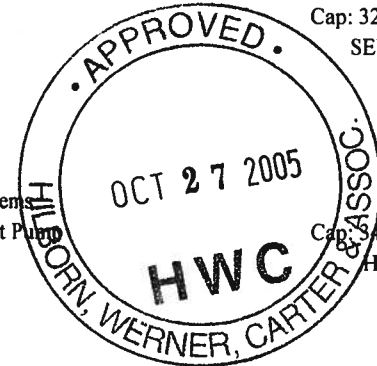
Cap: 40.0 gallons
EF: 0.97

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)

SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

Glass/Floor Area: 0.14

Total as-built points: 27551

Total base points: 28956

PASS

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

PREPARED BY: Walt C...DATE: 10-15-05

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

OWNER/AGENT: see Manuf ContractDATE: 10/15/05 FLA 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.

BUILDING OFFICIAL:

DATE:



Plan No.

Date: 10-27-05

APPROVED BY JAMES A. LYONS

2056-0854F

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: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	1716.0	20.04	6190.0	Double,U=0.48,Clear	N	1.0	10.0	48.8	21.25	0.99	1031.1
				Double,U=0.48,Clear	S	1.0	10.0	85.4	37.73	0.99	3192.6
				Double,U=0.48,Clear	W	1.0	10.0	36.6	40.43	1.00	1472.7
				Double,U=0.48,Clear	N	1.0	10.0	69.9	21.25	0.99	1476.5
				As-Built Total: 240.7 7172.9							
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	1472.0	1.50	2208.0
Exterior	1472.0	1.70	2502.4								
Base Total: 1472.0 2502.4				As-Built Total: 1472.0 2208.0							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	0.0	0.00	0.0	Exterior Insulated					38.4	4.10	157.4
Exterior	38.4	6.10	234.2								
Base Total: 38.4 234.2				As-Built Total: 38.4 157.4							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1716.0	1.73	2968.7	Under Attic				30.0	1716.0	1.73 X 1.00	2968.7
Base Total: 1716.0 2968.7				As-Built Total: 1716.0 2968.7							
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	1716.0	-1.50	-2574.0
Raised	1716.0	-3.99	-6846.8								
Base Total: -6846.8				As-Built Total: 1716.0 -2574.0							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1716.0	10.21	17520.4					1716.0	10.21		17520.4

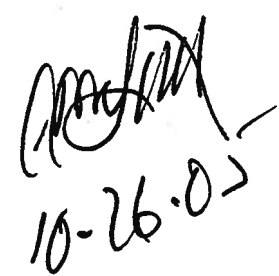
[Signature]
10-26-05

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 22568.8				Summer As-Built Points: 27453.3						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
22568.8	0.4266		9627.8	(sys 1: Central Unit 32000 btuh , SEER/EFF(12.0) Ducts: Unc(S), Unc(R), Out(AH), R6.0(INS) 27453	1.00	(1.09 x 1.147 x 1.02)	0.284	1.000		9957.3
22568.8	0.4266		9627.8	27453.3	1.00	1.275	0.284	1.000		9957.3



10-26-05

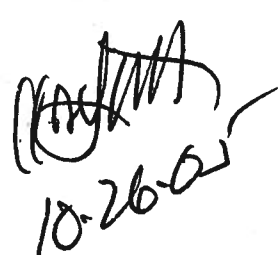
WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1716.0	12.74	3935.1	Double,U=0.48,Clear	N	1.0	10.0	48.8	13.32	1.00	650.0
				Double,U=0.48,Clear	S	1.0	10.0	85.4	2.29	0.99	194.6
				Double,U=0.48,Clear	W	1.0	10.0	36.6	9.51	1.00	348.7
				Double,U=0.48,Clear	N	1.0	10.0	69.9	13.32	1.00	930.8
				As-Built Total:				240.7		2124.2	
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		1472.0	3.40		5004.8	
Exterior	1472.0	3.70	5446.4								
Base Total:		1472.0	5446.4	As-Built Total:		1472.0		5004.8			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			38.4	8.40		322.6	
Exterior	38.4	12.30	472.3								
Base Total:		38.4	472.3	As-Built Total:		38.4		322.6			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1716.0	2.05	3517.8	Under Attic	30.0		1716.0	2.05 X 1.00		3517.8	
Base Total:		1716.0	3517.8	As-Built Total:		1716.0		3517.8			
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		1716.0	0.80		1372.8	
Raised	1716.0	0.96	1647.4								
Base Total:		1647.4	1647.4	As-Built Total:		1716.0		1372.8			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
		1716.0	-0.59			1716.0		-0.59		-1012.4	


 10-26-05

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT												
Winter Base Points: 14006.6			Winter As-Built Points: 11329.7												
Total Winter Points	X	System Multiplier	=	Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Heating Points
14006.6		0.6274		8787.7	(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Out(AH),R6.0 11329.7 1.000 (1.069 x 1.169 x 1.07) 0.501 1.000 7597.0 11329.7 1.00 1.337 0.501 1.000 7597.0										



10-26-05

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X
Number of	X	Multiplier	= Total	Volume		Bedrooms		Ratio	Credit = Total
Bedrooms									Multiplier
4		2635.00	10540.0	40.0	0.97	4		1.00	2499.18
									1.00
									9996.7
				As-Built Total:					9996.7

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
9628		8788		10540		28956	
				9957		7597	
				9997		27551	

PASS

[Signature]
10-26-05

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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 circuit 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.	

[Handwritten Signature]
10-26-05

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.9

The higher the score, the more efficient the home.

PRECISION HOIMES, . . .

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1716 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 34.1 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.5) 34.9 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 71.5 ft ²	c. N/A	
8. Floor types			
a. Raised Wood, Stem Wall	R=19.0, 1716.0ft ²	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, 1472.0 ft ²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1716.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Outdoors	Sup. R=6.0, 150.0 ft		
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.
EnergyGauge® (Version: FLRCSB v4.0)

10-76-05

Florida Product Approval Specification Sheet

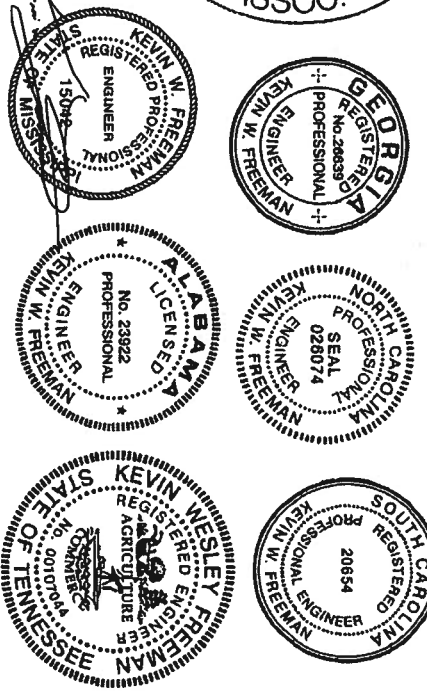
Manufacturer: Precision Homes

Plan# 2056 - 0854F

2004

FP-108

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 Window 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
ASPHALT SHINGLES	Owens Corning	Asphalt Shingles	FL-3633-R1
	Tamko Roofing Products	Asphalt Shingles	FL-1956-R1
	GAF Materials	Asphalt 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 COMPONENTS			
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

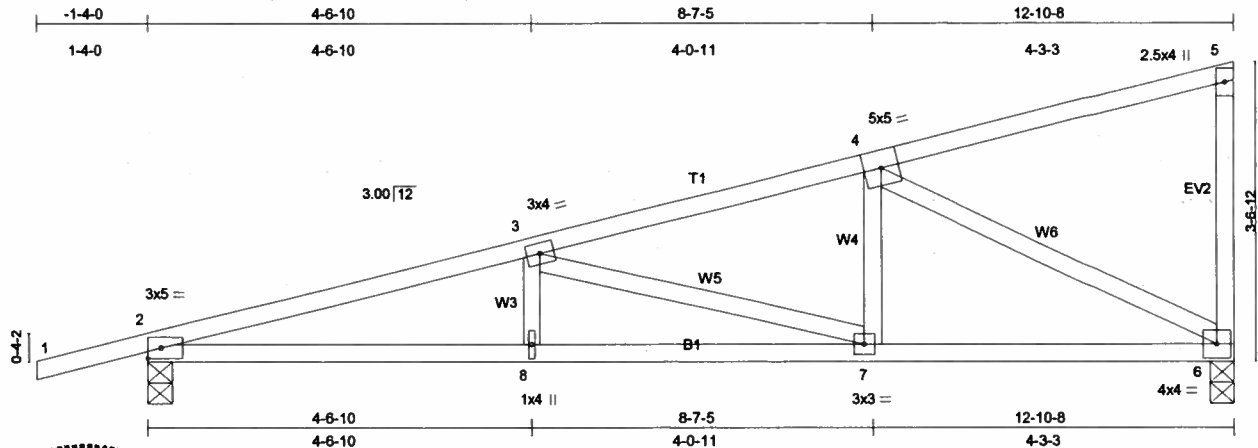


NOTES	
1) Wind: ASCE 7-02: 140mph; h=30ft; TCDF=60psi; BCDL=90psi; Category II; Exp C; enclosed; MWFRS gable and zone and C-C Elevation (2) zone; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.	
2) TOLL: ASCE 7-02: P=30.0 psf (ground snow); P=20.0 psf (roof snow); Category II; Exp C; Partially Exp. C=1	
3) Roof design snow loads have been reduced to account for slope.	
4) Unbalanced snow loads have been considered for this design.	
5) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times that roof load of 21.0 psf on overhangs non-concurrent with other live loads.	
6) This truss has been designed as per IBC Sect. 1605.3.1.1 Load reduction, for multiple live loads.	
7) All plates are M170 plates unless otherwise indicated.	
8) See BEH18 DETAILS for plate placement.	
9) Members must be made to prevent lateral movement of hinged portions during transportation.	
10) All additional member connections shall be provided by others for forces as indicated.	
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24k to uplift at joint 7 and 30k to uplift at joint 8.	
12) This truss is designed in accordance with the 2003 International Building Code section 2306.1, and referenced standard AISI/S1P 1.	
13) This truss has been designed to meet the 2003 IBC Section 2306.10.7.1; 2003 IBC R602.10.2	
14) 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.	
15) Revised from HM229703. Increased wind from 130mph.	

[illegible]

Job 29197	Truss M253103	Truss Type MONO TRUSS	Qty 1	Ply 1	ADRIAN HOMES 316 GA. 3/12 Job Reference 3161398
---------------------	-------------------------	---------------------------------	-----------------	-----------------	---

Universal Forest Products Inc., Grand Rapids, MI 49525, Zachary Montville 6.200 e Dec 15 2004 MiTek Industries, Inc. Tue Jan 11 11:34:17 2005 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0 (Ground Snow=20.0)	Plates Increase 1.15		TC 0.77	Vert(LL) 0.17	7-8	>880	240	MT20	197/144
TCDL 10.0	Lumber Increase 1.15		BC 0.67	Vert(TL) -0.18	2-8	>837	180		
BCLL 10.0	Rep Stress Incr YES		WB 0.61	Horz(TL) -0.05	6	n/a	n/a		
BCDL 10.0	Code IBC2003/TPI2002		(Matrix)					Weight: 35 lb	[P]

LUMBER

TOP CHORD 2 X 3 SPF No.2
BOT CHORD 2 X 3 SPF No.2
WEBS 2 X 3 SPF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-10-5 oc bracing.

REACTIONS

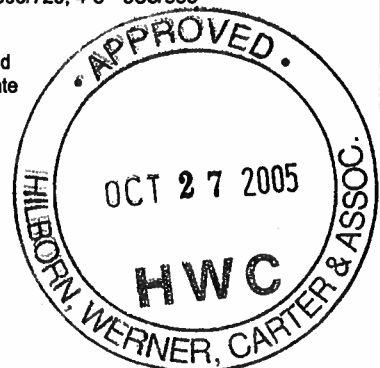
(lb/size) 2=615/0-3-8, 6=532/0-3-8
Max Horz 2=378(load case 6)
Max Uplift 2=675(load case 6), 6=544(load case 6)
Max Grav 2=757(load case 13), 6=626(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/20, 2-3=-1587/1323, 3-4=-885/735, 4-5=-76/5, 5-6=-146/223
BOT CHORD 2-8=-1600/1488, 7-8=-1600/1488, 6-7=-905/823
WEBS 3-8=0/174, 4-7=-161/354, 3-7=-696/729, 4-6=-903/993

NOTES

- 1) Wind: ASCE 7-02; 140mph; h=30ft; TCCL=6.0psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) TCLL: ASCE 7-02; Pg=20.0 psf (ground snow); Ps=20.0 psf (roof snow); Category II; Exp C; Partially Exp.; Ct= 1; IBC 1608.3 minimum flat roof snow load governs.
- 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 greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 14.0 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed as per IBC Sect. 1605.3.1.1 Load reduction, for multiple live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 675 lb uplift at joint 2 and 544 lb uplift at joint 6.
- 8) This truss is designed in accordance with the 2003 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) This truss has been designed to meet the 2003 IBC Section 2308.10.7.1; 2003 IRC R802.10.2
- 10) This truss is a revision of M253102. Increased span from 12-9-0 and increased pitch from 2.5/12 and overhang from 12"



WARNING - Verify design parameters and READ NOTES

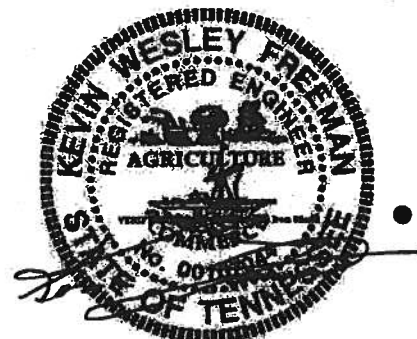
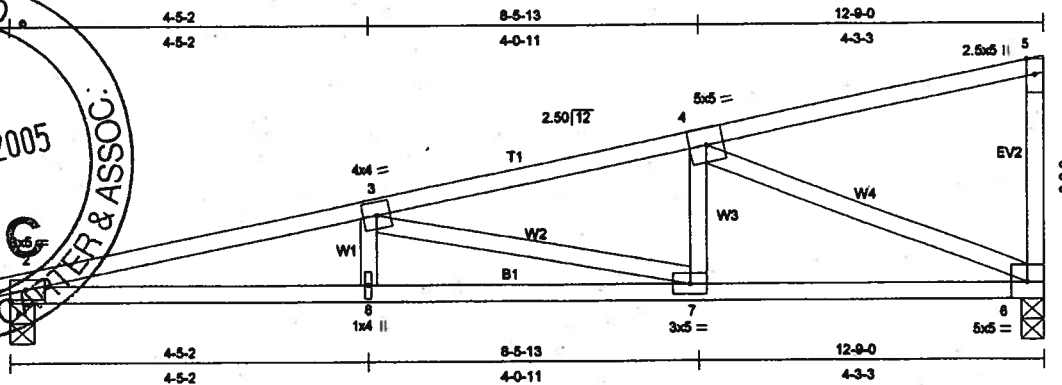
Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49505

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
J:\support\Mitek\Suppl\templates\wfp.tpe © copyright 2004 by: Universal Forest Products, Inc.



Job 28990	Truss M253102	Truss Type MONO TRUSS	Qty 1	Ply 1	PRECISION MODULAR 140
Universal Forest Products Inc., Grand Rapids, MI 49526, Zachary Montville					Job Reference 3161393

6.100 e Aug 25 2004 MITek Industries, Inc. Fri Dec 17 14:15:17 2004 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES
TCLL 20.0	Plates Increase	1.15	TC 0.90	Vert(LL)	0.27	7-8	>556	240	MT20
(Ground Snow=20.0)	Lumber Increase	1.15	BC 0.85	Vert(TL)	-0.22	2-6	>668	180	GRIP
TCDL 10.0	Rep Stress Incr	YES	WB 0.86	Horz(TL)	-0.07	6	n/a	n/a	197/144
BCLL 10.0	Code IBC2003/TP12002		(Matrx)						Weight: 33 lb
BCDL 10.0									

LUMBER
TOP CHORD 2 X 3 SPF No.2
BOT CHORD 2 X 3 SPF No.2
WEBS 2 X 3 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-0-13 oc bracing.

REACTIONS
(lb/size) 6=529/0-3-8, 2=591/0-3-8
Max Horz 2=301(load case 6)
Max Uplift 6=530(load case 6), 2=634(load case 6)
Max Grav 6=822(load case 3), 2=721(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/7, 2-3=-1826/2001, 3-4=-1031/1116, 4-5=-78/0, 5-6=-147/262
BOT CHORD 2-8=-2268/1742, 7-8=-2268/1742, 6-7=-1281/980
WEBS 3-8=0/170, 3-7=-788/1020, 4-7=-197/345, 4-6=-1032/1350

- NOTES**
- 1) Wind: ASCE 7-98 & 7-02; 140mph; h=30ft; TCDL=6.0psf; BCDL=6.0psf; Category II; Exp C; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 2) TCLL: ASCE 7-98 & 7-02; Pg=20.0 psf (ground snow); Ps=20.0 psf (roof snow); Category II; Exp C; Partially Exp.; Ct= 1; IBC-00 1608.3 minimum flat roof snow load governs.
 - 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 14.0 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed as per IBC Sect. 1605.3.1.1 Load reduction, for multiple live loads.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 530 lb uplift at joint 6 and 634 lb uplift at joint 2.
 - 8) This truss is designed in accordance with the 2003 International Building Code section 2308.1 and referenced standard ANSI/TP14.
 - 9) This truss has been designed to meet the 2003 IBC Section 2308.10.7.1; 2003 IRC R802.10.2
 - 10) This truss is a revision of M253101. Updated code from IRC2000/ANSI95, increased wind speed from 130 mph, changed pitch from 3/12, and changed heel from 4"

WARNING - Verify design parameters and READ NOTES

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, 563 D'Oroffo Drive, Madison, WI 53719

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GERMANIC COMPANY
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 10-4S-16-02901-001

Building permit No. 000025297

Use Classification MODULAR HOME

Fire: 0.00

Permit Holder WILLIAM HARPER

Waste: _____

Owner of Building JONATHAN & APRIL POWELL

Total: 0.00

Location: 214 SW SUNSET WAY(TROY PINES, LOT 1)

Date: 02/16/2007

Fanny Dickel

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



SITE PLAN

1" = 25'

JONATHAN LEE & APRIL POWELL: OWNER
BILL HARPER: CONTRACTOR

