

DATE 04/02/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000025684

APPLICANT BILL HARPER PHONE 623-3873
ADDRESS 119 SW HOBBY PL LAKE CITY FL 32024
OWNER HAROLD & SYLVIA WILLIAMS PHONE 719-4446
ADDRESS 769 SW OLD WIRE RD LAKE CITY FL 32024
CONTRACTOR WILLIAM HARPER PHONE 623-3873
LOCATION OF PROPERTY 47 S, L WALTERS RD, AT OLD WIRE RD CONTINUE STRAIGHT
ABOUT 3/4 MILE ON THE LEFT

TYPE DEVELOPMENT MODULAR HOME ESTIMATED COST OF CONSTRUCTION 0.00
HEATED FLOOR AREA TOTAL AREA HEIGHT 16.00 STORIES 1
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING AG-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE XPS DEVELOPMENT PERMIT NO.

PARCEL ID 13-5S-16-03604-002 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 7.00

RR28281142
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 07-255-E BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1256

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 0.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 200.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

ck 1256

For Office Use Only Application # 0703-76 Date Received 3/26/07 By G Permit # 25-684

Application Approved by - Zoning Official BLK Date 02.04.07 Plans Examiner OK JTH Date 3-24-07

Flood Zone X Surge Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Fax 386-752-2571

Name Authorized Person Signing Permit WILLIAM L. HARPER Phone 386-623-3873

Address 119 SW HOBBSY PL LAKE CITY, FL. 32024

Owners Name HAROLD AND SYLVIA WILLIAMS Phone 386-719-4446

911 Address 769 SW OLD WIRE ROAD LAKE CITY, FL 32024

Contractors Name WILLIAM L. HARPER Phone 386-623-3873

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

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address ENGN. KEVIN M. FINN 2700 W. WILKES AV. BOSEMAN, IL

Mortgage Lenders Name & Address N/A

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

Property ID Number 13-55-16-03604-002 Estimated Cost of Construction \$45,000

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions GO US 90 W. TO HWY 41 SOUTH, TURN LEFT, GO HWY 41 SOUTH TO HWY 47, TURN RIGHT, GO HWY 47 TO WATERS RD., TURN LEFT, GO TO OLD WIRE RD, GO STRAIGHT, HOME SITE IS 3/4 MI. ON LEFT

Type of Construction MODULAR Number of Existing Dwellings on Property 0

Total Acreage 7.000 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 210 ft Side 215 ft Side 100 ft Rear 300 ft

Total Building Height 16 ft Number of Stories 1 Heated Floor Area 2432 sq ft Roof Pitch 6/12
TOTAL 2640

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. PER ENERGY CODE 2280 764 30

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 26 day of March 2007.

Personally known ✓ or Produced Identification _____

Contractor Signature

Contractors License Number PR28281402

Competency Card Number 5616



Notary Signature

(Revised Sept. 2006)

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

Parcel: 13-5S-16-03604-002

2007 Proposed Values

[Tax Record](#)
[Property Card](#)
[Interactive GIS Map](#)
[Print](#)

Owner & Property Info

Search Result: 1 of 1

Owner's Name	WILLIAMS HAROLD D & SYLVIA		
Site Address	OLD WIRE		
Mailing Address	JACKSON 903 SW OLD WIRE RD LAKE CITY, FL 32024		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	13516.00	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	7.000 ACRES		
Description	BEG AT INTERS OF E R/W OF OLD WIRE RD & N LINE OF SEC, RUN S 884.16 FT, E 795 FT, N 550 FT W 135 FT, N 334.16 FT, W 660 FT TO POB ORB 1046-2224 EX PART OF 10 ACRES BEING DESC IN ORB 1092-2528		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$77,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$77,000.00

Just Value	\$77,000.00
Class Value	\$0.00
Assessed Value	\$77,000.00
Exempt Value	\$0.00
Total Taxable Value	\$77,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	7.000 AC	1.00/1.00/1.00/1.00	\$11,000.00	\$77,000.00

Columbia County Property Appraiser

DB Last Updated: 2/5/2007



Harold Williams

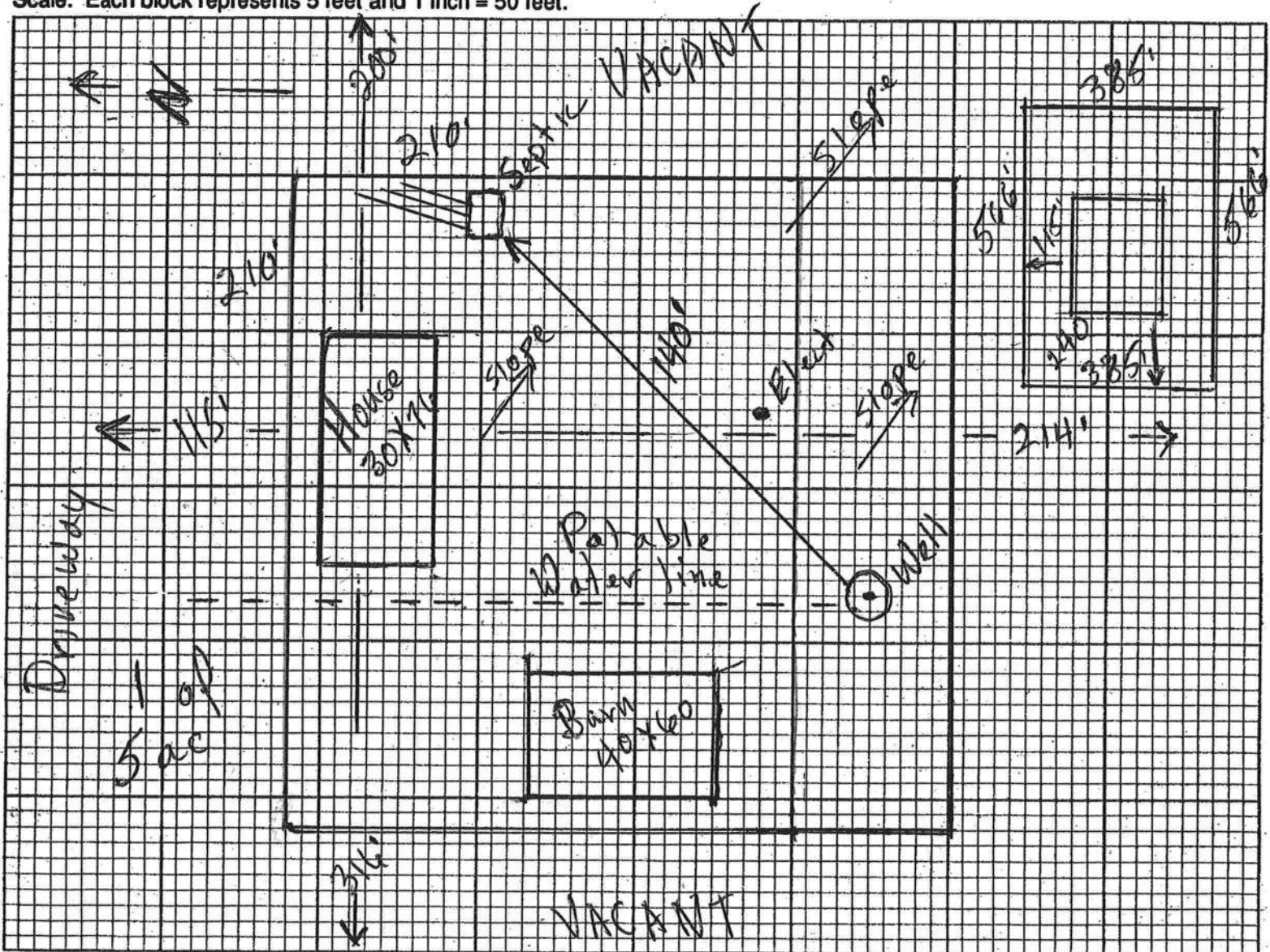
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-255E

PART II - SITE PLAN

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



Notes:

769
← Old Wire Road →

Site Plan submitted by: [Signature]

Signature

Owner
Title

Plan Approved

Not Approved

Date 3/27/07

By

[Signature]

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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 13-55-16-03604-001

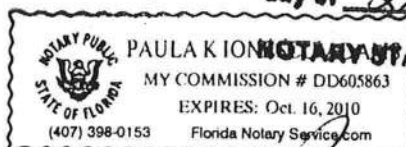
PERMIT NUMBER _____

1. Description of property: (legal description of the _____ and street address or 911 address)
769 SW. OLD WIRE ROAD
LAKE CITY, FL 32024
Section 13: Beginning at the Intersection of the East right-of-way line of Old Wire Road with the north boundary of said Section 13 and run thence South along the East right-of-way line of Old Wire Road 334.16 feet to the northwest corner of Parcel 1 described above; run thence Easterly along a line parallel to the north boundary of Section 13 (being along the north boundary of said Parcel 1) a distance of 660 feet; run thence northerly along a line parallel to the west boundary of Section 13 a distance of 334.16 feet more or less, to the north boundary of Section 13; run thence westerly along the north boundary of Section 13 to the Point of Beginning. Containing 5 acres more or less.
2. General description of Improvement: MODULAR HOME
3. Owner Name & Address HAROLD AND SYLVIA WILLIAMS
Interest in Property OWNER
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name WILLIAM L. HARPER Phone Number 386-623-8873
Address 119 SW HOBBY PL. LAKE CITY FL 32024
6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name _____ Inst: 2007007011 Date: 03/27/2007 Time: 10:23
Address _____ DC, P. DeWitt Cason, Columbia County B: 1115 F: 2395
8. Persons within the State of Florida designated by the owner upon whom notices or other documents may be served as provided by section 713.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
9. 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]
Signature of Owner



[Signature]
Signature of Notary

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: E6521M-South Address: City, State: FT. MYERS, FL 33932- Owner: Climate Zone: South	Builder: Permitting Office: Permit Number: Jurisdiction:
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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) 2280 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=0.3)	120.0 ft²	
b. SHGC:	7b. (SHGC=0.3)	275.7 ft²
(or Clear or Tint DEFAULT)		

8. Floor types R=11.0, 2280.0 ft²

a. Raised Wood, Stem Wall

b. N/A

c. N/A

9. Wall types R=19.0, 1609.8 ft²

a. Frame, Wood, Exterior

b. N/A

c. N/A

d. N/A

e. N/A

10. Ceiling types R=33.0, 2280.0 ft²

a. Under Attic

b. N/A

c. N/A

11. Ducts

a. N/A

b. N/A

12. Cooling systems

a. N/A

b. N/A

c. N/A

13. Heating systems

a. N/A

b. N/A

c. N/A

14. Hot water systems

a. Electric Resistance

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)

Const. Type: VB

Occupancy: R3

Allowable No. of Floors: One (1)

Wind Velocity: 130 MPH

Fire Rating of Ext. Walls: 0 hr

Plan No.: MFT-3359-3996-3642-E6521M

Allow. Floor Load: 40 PSF

Approval Date: 1/22/2007

Manufacturer: Cavalier Home Builders

Cap: 50.0 gallons

EF: 0.91

Glass/Floor Area: 0.12

Total as-built points: 25545

Total base points: 27875

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: 01/02/07

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

OWNER/AGENT: _____

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.



BUILDING OFFICIAL: [Signature]

DATE: 1/22/2007

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: , FT. MYERS, FL, 33932-

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	2280.0	30.53	12530.0	1.Double,U=0.35,SHGC=0.	S	0.0	0.0	7.5	25.52	1.00	191.0
				2.Double,U=0.35,SHGC=0.	W	0.0	0.0	120.0	26.94	1.00	3232.0
				3.Double,U=0.35,SHGC=0.	S	0.0	0.0	12.5	25.52	1.00	318.0
				4.Double,U=0.35,SHGC=0.	W	0.0	0.0	16.0	26.94	1.00	431.0
				5.Double,U=0.35,SHGC=0.	E	0.0	0.0	7.5	30.02	1.00	225.0
				6.Double,U=0.35,SHGC=0.	E	0.0	0.0	14.7	30.02	1.00	441.0
				7.Double,U=0.35,SHGC=0.	E	0.0	0.0	60.0	30.02	1.00	1801.0
				8.Double,U=0.35,SHGC=0.	E	0.0	0.0	37.5	30.02	1.00	1125.0
				As-Built Total:				275.7	7764.0		
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		19.0		1609.8	1.60	2575.7	
Exterior	1609.8	2.70	4346.5								
Base Total:				1609.8		4346.5		1609.8		2575.7	
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		40.0		6.40	256.0		
Exterior	40.0	6.40	256.0								
Base Total:				40.0		256.0		40.0		256.0	
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points	
Under Attic	2280.0	2.80	6384.0	1. Under Attic		33.0		2280.0	2.64 X 1.00	6024.9	
Base Total:				2280.0		6384.0		2280.0		6024.9	
FLOOR TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall		11.0		2280.0	-0.60	-1368.0	
Raised	2280.0	-2.16	-4924.8								
Base Total:				-4924.8		2280.0		-1368.0			
INFILTRATION				Area X BSPM = Points		Area X SPM = Points					
				2280.0		18.79		42841.2			

APPROVED BY



These points comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Count Type: _____
 Occupancy: _____
 Number of Floors: _____
 Wind Velocity: _____
 Fire Rating of Ext. Walls: _____
 Plan No.: _____
 Allow. Floor Load: _____
 Approval Date: _____
 Manufacturer: _____

One (1)
 130 MPH
 0 hr
 MFT-3359-3986-3642-E6621M
 40 PSF
 1/22/2007
 Cavalier Home Builders

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 61432.9			Summer As-Built Points: 58093.8					
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
61432.9	0.3250	19965.7	58093.8	1.00	1.000	0.312	1.000	18102.1

APPROVED BY
NFA INC.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3986-3642-E662TM
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

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	2280.0	3.60	1477.0	1.Double,U=0.35,SHGC=0.	S	0.0	0.0	7.5	1.44	1.00	10.0
				2.Double,U=0.35,SHGC=0.	W	0.0	0.0	120.0	1.81	1.00	217.0
				3.Double,U=0.35,SHGC=0.	S	0.0	0.0	12.5	1.44	1.00	17.0
				4.Double,U=0.35,SHGC=0.	W	0.0	0.0	16.0	1.81	1.00	28.0
				5.Double,U=0.35,SHGC=0.	E	0.0	0.0	7.5	1.50	1.00	11.0
				6.Double,U=0.35,SHGC=0.	E	0.0	0.0	14.7	1.50	1.00	22.0
				7.Double,U=0.35,SHGC=0.	E	0.0	0.0	60.0	1.50	1.00	90.0
				8.Double,U=0.35,SHGC=0.	E	0.0	0.0	37.5	1.50	1.00	56.0
				As-Built Total: 275.7 451.0							
WALL TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		19.0		1609.8		0.30 482.9	
Exterior	1609.8	0.60	965.9								
Base Total: 1609.8 965.9				As-Built Total:				1609.8		482.9	
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1.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	2280.0	0.10	228.0	1. Under Attic		33.0		2280.0		0.09 X 1.00 210.9	
Base Total: 2280.0 228.0				As-Built Total:				2280.0		210.9	
FLOOR TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall		11.0		2280.0		0.00 0.0	
Raised	2280.0	-0.28	-638.4								
Base Total: -638.4				As-Built Total:				2280.0		0.0	
INFILTRATION				Area X BWPM = Points				Area X WPM = Points			
								2280.0		-0.06 -136.8	

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
EnergyGauge®/FLIRC v4.5

NIA INC.

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

_____ R3
_____ One (1)
_____ 130 MPH
_____ 0 hr
_____ MFT-3359-3986-3642-E0521M
_____ 40 PSF
_____ 1/22/2007
_____ Cavalier Home Builders

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE			AS-BUILT					
Winter Base Points:			Winter As-Built Points:					
1967.7			1080.0					
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
1967.7	0.5540	1090.1	1080.0	1.00	1.000	0.508	1.000	548.9

APPROVED BY
NPA INC.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3986-3642-E6521M
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

CODE COMPLIANCE STATUS

PASS



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

V/B
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6621M
40 PSF
1/22/2007
Cavalier Home Builders

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

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 joist 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 air 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 610.1. 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.	

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
INC.

Cons. Type: _____
Occupancy: _____
Allowable No. of Floors: _____
Wind Velocity: _____
Fire Rating of Ext. Walls: _____
Plan No.: _____
Allow. Floor Load: _____
Approval Date: _____
Manufacturer: _____

One (1)
130 MPH
0 hr
MFT-3359-3986-3642-ES621M
40 PSF
1/22/2007
Cavelier Home Builders

VB
R3

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.6

The higher the score, the more efficient the home.

FT. MYERS, FL, 33932-

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NFI INC.

- | | | |
|---|--------------------------------|--|
| 1. New construction or existing | New | 12. Cooling systems |
| 2. Single family or multi-family | Single family | a. N/A |
| 3. Number of units, if multi-family | 1 | b. N/A |
| 4. Number of Bedrooms | 3 | c. N/A |
| 5. Is this a worst case? | Yes | 13. Heating systems |
| 6. Conditioned floor area (ft ²) | 2280 ft ² | a. N/A |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | b. N/A |
| a. U-factor: | Description Area | c. N/A |
| (or Single or Double DEFAULT) 7a. (Dble, U=0.3) | 120.0 ft ² | 14. Hot water systems |
| b. SHGC: | | a. Electric Resistance |
| (or Clear or Tint DEFAULT) 7b. (SHGC=0.3) | 275.7 ft ² | b. N/A |
| 8. Floor types | | c. N/A |
| a. Raised Wood, Stem Wall | R=11.0, 2280.0 ft ² | 15. HVAC credits |
| b. N/A | | (CF-Ceiling fan, CV-Cross ventilation, |
| c. N/A | | HF-Whole house fan, |
| 9. Wall types | | PT-Programmable Thermostat, |
| a. Frame, Wood, Exterior | R=19.0, 1609.8 ft ² | MZ-C-Multizone cooling, |
| b. N/A | | MZ-H-Multizone heating) |
| c. N/A | | |
| d. N/A | | |
| e. N/A | | |
| 10. Ceiling types | | |
| a. Under Attic | R=33.0, 2280.0 ft ² | |
| b. N/A | | |
| c. N/A | | |
| 11. Ducts | | |
| a. N/A | | |
| b. N/A | | |

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-9906-3642-E6621M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavelier Home Builders

Cap: 50.0 gallons
BF: 0.91

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 v4.5)

CAVALIER HOME BUILDERS, ELECTRICAL FEEDER CALCULATION

Date: 1/2/2007
 Prepared By: Scott Lee
 Model # N/A
 Job # E6521

(WIDTH) x (LENGTH)
 Size 30 x 76

lighting load 2280 sqft. x 3 w/ft = 6840 watts

Small App. & Laundry 3 x 1500 watts = 4500 watts

Name Plate Ratings or Fixed Appliances and Motors

Furnace Blower	0	watts
Exhaust	960	
Disposal	0	
D/W	0	
W/H 1- @ 5500watts	5500	
Dryer 1- @ 5500watts	5000	
Range	0	
Oven 1- @ 5300watts	5300	
Cooktop 1- @ 7700watts	7700	
ice	0	
Security/Exit	0	
Special Devices	0	

Subtotal 35800

100% of 1st 10Kw 10000
 40% of remainder 10320

Air Conditioning @ 100% 20000

Total 40320 watts
 240 volts = 168 Amps

APPROVED BY
NPH INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type: VB
 Occupancy: R3
 Allowable No. of Floors: One (1)
 Wind Velocity: 130 MPH
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: MFT-3359-3986-3642-E6521M
 Allow. Floor Load: 40 PSF
 Approval Date: 1/22/2007
 Manufacturer: Cavalier Home Builders

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Gable Roof Diaphragm and Shearwall Force Calculation (ASCE 7-02)

Client: Cavaller
Job Number: Shearwall Calcs
Description:

Building Geometry:

Ridge Length, B = 76.0 ft
Total Width, L = 30.0 ft
Blocking Height, h_b = 18.0 in.
Sidewall/Eave Height, h_s = 120.0 in.
Roof Slope, a = 6.24 /12 pitch
Roof slope, a = 27.5 deg.
Sidewall Overhang, L_{OH} = 12.0 in.
Endwall Overhang, B_{OH} = 12.0 in.

Loading Conditions:

Basic Wind Speed (V_{3s}) = 140 & 130 mph
Importance Factor (I_w) = 1.00
Exposure Category: C
Topographic Factor (K_{zt}) = 1.0
Height & Exposure (K_h) = 0.89
Directionality (K_d) = 0.85

Height Above Grade:

Stories Above Grade = 1.0
Sidewall Eave (z) = 11.5 ft
Roof Peak (z) = 19.8 ft
Mean Roof Height (h) = 15.7 ft
MWFRS End Zone, 2a = 6.0 ft

NET Horizontal Wind Loads (MWFRS)			Wind Speed (V_{3s})	
			130	140
Transverse	Wall	End Zone	32.7	37.9
		Interior	30.6	35.5
	Roof	End Zone	16.4	19.0
		Interior	13.9	16.1
Longitudinal	Wall	End Zone	34.0	39.4
		Interior	22.5	28.1
	Roof	End Zone	16.4	19.0
		Interior	13.9	16.1

Vertical Roof Projection = 8.3 ft
Wall Height = 9.0 ft
Misc. Framing Height = 1 ft/level

Shearwall Loads (plf)

Shearwall Design Loads

	Zone	Wind Speed (V_{3s})	
		130	140
Roof Diaphragm	End	318	369
	Interior	253	294

Sliding Pressures (plf)

Sliding Design Loads

	Zone	Wind Speed (V_{3s})	
		130	140
Floor Diaphragm	End	541	627
	Interior	422	489

Total Force to Shearwalls (each side)

		Shearwall Force Per End of Unit (lbf)				Sliding Force Per End of Unit (lbf)				
		Endwall		Sidewall		Endwall		Sidewall		
		Wind Speed (V_{3s})				Wind Speed (V_{3s})				
		130	140	130	140	130	140	130	140	
Bracing 1 Floor and Roof		Unit Length								
	30	4192	4861			6685	7754			
	35	4825	5596			7740	8977			
	40	5459	6331			8795	10200			
	45	6092	7066			9850	11423			
	50	6726	7801			10904	12646			
	55	7360	8535			11959	13870			
	60	7993	9270			13014	15093			
	65	8627	10005			14069	16316			
	70	9260	10740			15123	17539			
	76	10021	11621	3313	3843	16389	19007	5362	6218	

APPROVED BY
N/A INC.
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:
Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Allow. Floor Load: 40 PSF
Plan No.: MFT-3359-3986-3642-E6521M
Approval Date: 1/22/2007
Manufacturer: Cavaller Home Builders

[Handwritten Signature]

Roof Diaphragm Design

Number represents the length of blocking needed from EACH end.

N/A- Blocking not needed.

A minimum of 7/16" roof sheathing must be used.

1-Story Unit Length (ft)	Blocking needed (ft)	
	Wind Speed MPH	
	130	140
30	N/A	N/A
35	N/A	N/A
40	N/A	N/A
45	N/A	N/A
50	N/A	N/A
55	N/A	N/A
60	N/A	2
65	N/A	4
70	2	7
76	5	9

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:



Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3996-3642-E6521M
40 PSF
1/22/2007
Cavalier Home Builders

[Handwritten signature]

Use a ply/OSB strip fastened with 0.131"x2.5" nails OR 10d nails toed at the proper spacing.
Use a 5/8" anchor bolt to connect sill to foundation at the proper spacing.

Nails Needed to Resist Sliding

Anchor Bolt Spacing (Inches)

1-Story Unit Length (ft)	Endwall Nail Spacing (" O.C.)		Sidewall Nail Spacing (" O.C.)	
	Wind Speed MPH		Wind Speed MPH	
	130	140	130	140
30	4	4	6	4
35	4	4	6	6
40	4	3	6	6
45	3	3	6	6
50	3	2	6	6
55	3	2	6	6
60	2	2	6	6
65	2	2	6	6
70	2	2	6	6
76	2	6*	6	6

1-Story Unit Length (ft)	Endwall Wind Speed MPH		Sidewall Wind Speed MPH	
	Wind Speed MPH		Wind Speed MPH	
	130	140	130	140
30	72	70	72	72
35	70	60	72	72
40	61	53	72	72
45	55	47	72	72
50	50	43	72	72
55	45	39	72	72
60	42	36	72	72
65	39	33	72	72
70	36	31	72	72
76	33	29	72	72

Note: For 6* use 0.131"x2.5" nails @ 6" O.C. and LTP4 clips @ 12" O.C.

APPROVED BY
NH INC.
These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6621M
40 PSF
1/22/2007
Cavelier Home Builders

[Handwritten Signature]

Endwall Shearwalls

Full Height Sheathing Required For Specified Edge Spacing

3/8" Sheathing with 8d nails at 12" O.C. field spacing

Width= 30.0 ft
Wall Height= 9 ft
Roof Pitch= 6.24 /12

Endwalls - 1 Side Sheathed

1-Story Length	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
30	15	17	10	12	8	9	6	7
35	17	20	12	14	9	11	7	8
40	19	22	13	15	10	12	8	9
45	22	25	15	17	12	13	9	10
50	24	28	16	19	13	15	10	11
55	26	N/A	18	21	14	16	11	13
60	28	N/A	19	22	15	18	12	14
65	N/A	N/A	21	24	16	19	13	15
70	N/A	N/A	22	26	18	20	14	16
76	N/A	N/A	24	28	19	22	15	17

Endwalls - 2 Sides Sheathed

1-Story Length	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
30	7	9	5	6	4	5	3	4
35	9	10	6	7	5	5	4	4
40	10	11	7	8	5	6	4	5
45	11	12	7	9	6	7	4	5
50	12	14	8	9	6	7	5	6
55	13	15	9	10	7	8	5	6
60	14	16	10	11	8	9	6	7
65	15	18	10	12	8	9	6	7
70	16	19	11	13	9	10	7	8
76	18	21	12	14	9	11	7	9

Notes:

- (1) 2.6 ft needed to be considered a segment (3.5:1 ratio)
- (2) Studs must have a maximum spacing of 16" O.C.
- (3) At panel Edges Studs must be doubled and nails must be staggered when nails are spaced @ 2" O.C.
- (3) When both sides are sheathed and nail spacing is less then 6" the panel joints must be offset to fall on different famining members or studs must be doubled and nails staggered.
- (4) Each full height sheathed section along the endwall must be tied down at both ends.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NFI INC.

Correl. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3996-36-42-E6521M
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

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1-19-07

Sidewalls

Full Height Sheathing Required For Specified Edge Spacing

3/8" Sheathing with 8d nails at 12" O.C. field spacing

Width= 30.0 ft
Wall Height= 9 ft
Roof Pitch= 6.24 /12

1-Story % FHS	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
10	27	32	19	22	15	17	11	13
20	26	30	18	21	14	16	11	13
30	24	28	16	19	13	15	10	11
40	22	26	15	18	12	14	9	11
50	21	24	14	16	11	13	9	10
60	19	22	13	15	10	12	8	9
70	17	20	12	14	9	11	7	8
80	15	18	10	12	8	9	6	7
90	13	16	9	11	7	8	6	6
100	12	14	8	9	6	7	5	6

Notes:

- (1) 2.6 ft needed to be considered a segment (3.5:1 ratio)
- (2) Studs must have a maximum spacing of 16" O.C.
- (3) Percent Full Height Sheathing (% FHS) determined by taking the sum of the length of each segment of the wall then dividing by the total sidewall length.
- (4) Studs must be doubles and nails must be staggered when nails are spaced @ 2" O.C.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3986-3642-E6521M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavalier Home Builders

[Handwritten Signature]

Overturning strapping for Endwalls

Width= 30.0 ft
Wall Height= 9 ft
Roof Pitch= 6.24 /12

130 MPH

1-Story		Percent Full Height Sheathing of Endwall									
Length		10	20	30	40	50	60	70	80	90	100
30	12575	6287	4192	3144	2515	2096	1796	1572	1397	1257	
35	14476	7238	4825	3619	2895	2413	2068	1809	1608	1448	
40	16376	8188	5459	4094	3275	2729	2339	2047	1820	1638	
45	18277	9139	6092	4569	3655	3046	2611	2285	2031	1828	
50	20178	10089	6726	5044	4036	3363	2883	2522	2242	2018	
55	22079	11039	7360	5520	4416	3680	3154	2760	2453	2208	
60	23979	11990	7993	5995	4796	3997	3426	2997	2664	2398	
65	25880	12940	8627	6470	5176	4313	3697	3235	2876	2588	
70	27781	13890	9260	6945	5556	4630	3969	3473	3087	2778	
76	30062	15031	10021	7515	6012	5010	4295	3758	3340	3006	

140 MPH

1-Story		Percent Full Height Sheathing of Endwall									
Length		10	20	30	40	50	60	70	80	90	100
30	14584	7292	4861	3646	2917	2431	2083	1823	1620	1458	
35	16788	8394	5596	4197	3358	2798	2398	2099	1865	1679	
40	18993	9496	6331	4748	3799	3165	2713	2374	2110	1899	
45	21197	10599	7066	5299	4239	3533	3028	2650	2355	2120	
50	23402	11701	7801	5850	4680	3900	3343	2925	2600	2340	
55	25606	12803	8535	6401	5121	4268	3658	3201	2845	2561	
60	27810	13905	9270	6953	5562	4635	3973	3476	3090	2781	
65	30015	15007	10005	7504	6003	5002	4288	3752	3335	3001	
70	32219	16110	10740	8055	6444	5370	4603	4027	3580	3222	
76	34864	17432	11621	8716	6973	5811	4981	4358	3874	3486	

Simpson Strap/Anchor Capacities (lb):

1st story to foundation:		Interconnection between stories:	
STHD14RJ	5025	CMST12	8235
STHD10RJ	3730	CMSTC16	4585
STHD8RJ	2210	CS14	2490
		CS20	1030

Notes:

- (1) Endwalls must be secured to resist overturning on both ends of each FHS (full height sheathed) section and within 3 feet of each corner.
- (2) Percent Full Height Sheathing (% FHS) determined by taking the sum of the length of each segment of the wall then dividing by the total sidewall length.

APPROVED BY
NIP INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:
Occupancy:
Allowable No. of Floors:
Wind Velocity:
Fire Rating of Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3998-3642-EG521M
40 PSF
1/22/2007
Cavalier Home Builders

[Handwritten Signature]

01-02-2007

Heatloss is based on a Design Temp. Difference of 20
Heatgain is based on a Design Temp. Difference of 15 ,with a Dark Roof
CFM for Heatloss is based on a Temp. Rise within the heat exchanger of 25

APPROVED BY
NFA INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria

Const. Type:	VB
Occupancy:	R3
Allowable Nb. of Floors:	One (1)
Wind Velocity: Fire Rating of Ext. Walls:	130 MPH
Plan N°:	0 hr
Allow/Floor Load:	MFT-3359-3866-3642-E56571M
Appelal Date:	40 PSF
Manufacturer:	1/22/2007
Elevation / Frame Analysis:	1/22/2007

Additional BTUH for people, Appliances etc.		600	BTU
The Total BTUH for the outside walls are	218	196	BTU
The Total BTUH for the Exposed Openings are	366	2100	BTU
The total BTUH for the ceilings	144	288	BTU
The total BTUH for the floors	384	192	BTU
The BTUH infiltration for the openings is	658	224	BTU
DUCT LOSS OR DUCT GAIN for this room is	0	0	BTU
SENSIBLE HEAT GAIN		3600	BTU
THE TOTAL BTUH FOR THIS ROOM IS	1770	BTUH	
The total CFM of air required for this room is	64	172	CFM

Greatroom
CEILING HEIGHT IS 8. FEET, VOLUME IS 2210 CUBIC FEET
4 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>> 65. SQUARE FEET
4 EXPOSED WALLS, not including openings,TOTALING >>>> 178.3 SQUARE FEET
ROOM SIZE IS 18.4 LONG by 15. WIDE, TOTALING >> 276.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: (R) 19.8 Wall
CEILING TYPE IS: (R) 33.4 Ceiling
FLOOR TYPE IS: U-Value = .08, Floor over Exposed Space

Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	178	160	BTUH
The Total BTUH for the Exposed Openings are	617	3214	BTUH
The total BTUH for the ceilings	166	332	BTUH
The total BTUH for the floors	442	221	BTUH
The BTUH infiltration for the openings is	1427	486	BTUH
DUCT LOSS OR DUCT GAIN for this room is	0	0	BTUH

Page # 1

211 CFM

53 131 CFM

	VB
	R3
	One (1)
	130 MFH
	0 hr
MFT-3369-3806-3842-E6621M	
40 PSE	
H H H H H H H H H H H H H H H H	
D G V A L T O S B I N D U C E D	

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

WALL TYPE IS: (R) 19.8 Wall

FLOOR TYPE IS: U-Value = .08, Floor over Exposed Space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		600	BTUH
The Total BTUH for the outside walls are	70	63	BTUH
The Total BTUH for the Exposed Openings are	366	2100	BTUH
The total BTUH for the ceilings	113	225	BTUH
The total BTUH for the floors	300	150	BTUH
The BTUH infiltration for the openings is	658	224	BTUH
DUCT LOSS OR DUCT GAIN for this room is	0	0	BTUH
SENSIBLE HEAT GAIN		3362	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	1507		BTUH
The total CFM of air required for this room is	55	161	CFM

APPROVED BY
NIA
INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Bath (#2)

CEILING HEIGHT IS 8. FEET, VOLUME IS 680 CUBIC FEET

[illegible]

2 EXPOSED WALLS, not including openings, TOTALING >>>> 157.8 SQUARE FEET

ROOM SIZE IS 5.7 LONG by 15. WIDE, TOTALING >> 85.1 SQUARE FEET

WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass

WALL TYPE IS: (R) 19.8 Wall

CEILING TYPE IS: (R) 33.4 Ceiling

FLOOR TYPE IS: U-Value = .08, Floor over Exposed Space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	158	142	BTUH
The Total BTUH for the Exposed Openings are	92	158	BTUH
The total BTUH for the ceilings	51	102	BTUH
The total BTUH for the floors	136	68	BTUH
The BTUH infiltration for the openings is	165	56	BTUH
DUCT LOSS OR DUCT GAIN for this room is	0	0	BTUH
SENSIBLE HEAT GAIN		526	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	602	BTUH	
The total CFM of air required for this room is	22	25	CFM

Const. Type:	VR
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of	0 hr
Ext. Walls:	
Plan No.:	MFT-3359-3986-3642-E66271M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavalier Home Builders

Bath (Master)

CEILING HEIGHT IS 8. FEET, VOLUME IS 1920 CUBIC FEET

3 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>>> 29.6 SQUARE FEET

2 EXPOSED WALLS, not including openings, TOTALING >>>> 218.4 SQUARE FEET

ROOM SIZE IS 16. LONG by 15. WIDE, TOTALING >> 240. SQUARE FEET

WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass

WALL TYPE IS: (R) 19.8 Wall

CEILING TYPE IS: (R) 33.4 Ceiling

FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	218	197	BTUH
The Total BTUH for the Exposed Openings are	361	1817	BTUH
The total BTUH for the ceilings	144	288	BTUH
The total BTUH for the floors	192	0	BTUH
The BTUH infiltration for the openings is	650	221	BTUH
DUCT LOSS OR DUCT GAIN for this room is	0	0	BTUH
SENSIBLE HEAT GAIN		2523	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	1565		BTUH

ET
T
J. A. 19.07

VB
R3
One (1)
130 MPH
0 hr
MFT-3069-3086-3642-E6521M
40 PSF
1/22/2007
Cavalier Home Builders

HEATLOSS	HEATGAIN	
	0	BTUH
69	62	BTUH
0	0	BTUH
78	156	BTUH
208	104	BTUH
0	0	BTUH
0	0	BTUH
	322	BTUH
355	BTUH	
13	15	CFM

CEILING TYPE IS: (R) 33.4 Ceiling			
FLOOR TYPE IS: U-Value = .08, Floor over Exposed Space	HEATLOSS	HEATGAIN	
		600	BTUH
Additional BTUH for people, Appliances etc.	61	55	BTUH
The Total BTUH for the outside walls are	366	2100	BTUH
The Total BTUH for the Exposed Openings are	102	204	BTUH
The total BTUH for the ceilings	272	136	BTUH
The total BTUH for the floors	658	224	BTUH
The BTUH infiltration for the openings is	0	0	BTUH
DUCT LOSS OR DUCT GAIN for this room is		3319	BTUH
SENSIBLE HEAT GAIN	1459	BTUH	
THE TOTAL BTUH FOR THIS ROOM IS	53	159	CFM
The total CFM of air required for this room is			

HEATLOSS	HEATGAIN	
	600	BTUH
61	55	BTUH
366	2100	BTUH
102	204	BTUH
272	136	BTUH
658	224	BTUH
0	0	BTUH
	3319	BTUH
1459		BTUH
53	159	CFM

APPROVED BY

NTA

INC

HEATLOSS	HEATGAIN	
	0	BTUH
170	153	BTUH
214	320	BTUH
90	180	BTUH
240	120	BTUH
667	228	BTUH
0	0	BTUH
	1001	BTUH
1381		BTUH
50	48	CFM

Course: 37	One (1)
Occupancy:	130 MPH
Allowable No. of Floors:	
Wind Velocity:	
Fire Rating of	
Ext. Walls:	0 hr
Plan No.:	MFT-3359-3986-3642-E6521M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavalier Home Builders

TOTALS

MECHANICAL VENTILATION IS COMPUTED FOR 50 CFM'S

VOLUME IS 18240 CUBIC FEET
 EXPOSED OPENINGS, TOTALING 335.9 SQUARE FEET
 EXPOSED WALLS, above grade not including openings 1456 SQUARE FEET
 TOTAL SQUARE FEET, of walls below grade 0 SQUARE FEET
 FLOOR AND CEILING SIZE IS 2280 SQUARE FEET

HEATLOSS HEATGAIN
 1457 3600 BTUH
 0 1310 BTUH

Additional BTUH for people, Appliances etc.
 The Total BTUH for the walls above grade are
 The Total BTUH for the walls below grade are
 The Total BTUH for the Exposed openings are
 The total BTUH for the ceilings
 The total BTUH for the floors
 The BTUH infiltration for the openings is
 DUCT LOSS OR DUCT GAIN

3766 19746 BTUH
 1368 2736 BTUH
 3456 1632 BTUH
 7371 2511 BTUH
 0 0 BTUH
 1100

MECHANICAL VENTILATION
 TOTAL SENSIBLE HEAT GAIN
 LATENT GAIN

31536
 5983
 37519 BTUH
 1510 CFM

TOTAL BTUH, THIS BUILDING 18518
 The total CFM of air required 673

APPROVED BY
 NTC INC
 These prints comply with the
 Florida Manufactured Building
 Act and adopted Codes and
 adhere to the following criteria:

Page # 6

Const. Type: VB
 Occupancy: R3
 Allowable No. of Floors: One (1)
 Wind Velocity: 130 MPH
 Fire Rating of Ext. Walls: 0 hr
 Plan No.: MFT-3359-3986-3642-E6521M
 Allow. Floor Load: 40 PSF
 Approval Date: 1/22/2007
 Manufacturer: Cavalier Home Builders

[Handwritten signature]

2
Rec'd 4/8/50
Stamp

Prepared by and return to:

John E. Norris, Attorney at law
Norris & Johnson, P.A.
253 NW Main Blvd.
Post Office Drawer 2349
Lake City, Florida 32056-2349

Inst: 2005011997 Date: 05/24/2005 Time: 10:22
Doc Stamp-Deed : 0.70
77K DC, P. Dewitt Cason, Columbia County B: 1046 P: 2224

From a legal description provided by
Grantors and without a title search

JEN/sc
05/17/05

WARRANTY DEED

THIS INDENTURE, Made the 19th day of May, 2005, between SYLVIA JACKSON WILLIAMS, formerly known as SYLVIA E. JACKSON, and also formerly known as SYLVIA S. JACKSON, and her husband, HAROLD D. WILLIAMS, (the said Sylvia Jackson Williams having been married to one William T. Jackson, Jr., prior to September 4, 1970, and remained continuously married to him until his death) Grantors, and SYLVIA JACKSON WILLIAMS and her husband, HAROLD D. WILLIAMS, Grantees, as an estate by the entirety, 903 SW Old Wire Road, Lake City, Florida 32024;

WITNESSETH:

That said Grantors, for and in consideration of the sum of TEN and No/100 (\$10.00) DOLLARS, and other good and valuable considerations to said Grantors in hand paid by said Grantees, the receipt whereof is hereby acknowledged, have granted, bargained and sold to the said Grantees, and Grantees' heirs and assigns forever, as an estate by the entirety the following described land, situate, lying and being in Columbia County, Florida, to-wit:

PARCEL 1

TOWNSHIP 5 SOUTH, RANGE 16 EAST

Section 13: Commence at the intersection of the East right-of-way of Old Wire Road with the north boundary of said Section 13 and run thence South along said East right-of-way line a distance of 334.16 feet for the Point of Beginning; thence continue south along said right-of-way line a distance of 550 feet; run thence Easterly along a line parallel to the north boundary of Section 13 a distance of 795 feet; run thence northerly along a line parallel to the west boundary of Section 13 a distance of 550 feet; run thence Westerly along a line parallel to the north boundary of Section 13 a distance of 795 feet to the Point of Beginning. Containing 10 acres more or less.

PARCEL 2

TOWNSHIP 5 SOUTH, RANGE 16 EAST

Section 13: Beginning at the intersection of the East right-of-way line of Old Wire Road with the north boundary of said Section 13 and run thence South along the East right-of-way line of Old Wire Road 334.16 feet to the northwest corner of Parcel 1 described above; run thence Easterly along a line parallel to the north boundary of Section 13 (being along the north boundary of said Parcel 1) a distance of 660 feet; run thence northerly along a line parallel to the west boundary of Section 13 a distance of 334.16 feet more or less, to the north boundary of Section 13; run thence westerly

along the north boundary of Section 13 to the Point of Beginning.
Containing 5 acres more or less.

TOGETHER with all the tenements, hereditaments and appurtenances thereto
belonging or in anywise appertaining.

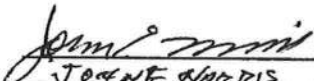
TO HAVE AND TO HOLD, the same unto Grantees as an estate by the
entirety.


And said Grantors do hereby fully warrant the title to said land and will defend the
same against the lawful claims of all persons whomsoever.

This deed is made pursuant to the authority of that Modification of Prenuptial
Agreement executed this date, immediately prior to the execution hereof, and is made
freely and voluntarily without any compulsion whatever.

IN WITNESS WHEREOF, the Grantors have hereunto set their hands and seals
the day and year first above written.

Signed, sealed and delivered
in the presence of:


TORIE HARRIS
Print/type name of witness

 (SEAL)
SYLVIA JACKSON WILLIAMS, f/k/a
SYLVIA E. JACKSON, a/f/k/a
SYLVIA S. JACKSON

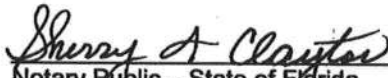

SUSAN E. BRIGHTMAN
Print/type name of witness

 (SEAL)
HAROLD D. WILLIAMS

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 19th day of May,
2005, by SYLVIA JACKSON WILLIAMS, f/k/a SYLVIA E. JACKSON, a/f/k/a SYLVIA S.
JACKSON, and her husband, HAROLD D. WILLIAMS, who are personally known to me
or have presented Fla. D.D., Fla. D.D.,
respectively, as identification.

(NOTARIAL SEAL)


Notary Public - State of Florida
SHERRY A. CLAYTOR
Print/type name of notary public



Sherry A. Claytor
MY COMMISSION # DD102588 EXPIRES
May 20, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

Inst: Date: 05/24/2005 Time: 10:22
Doc Stamp-Deed : 0.70

DC, P. DeWitt Cason, Columbia County B:1046 P:2225

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 13-5S-16-03604-002

Building permit No. 000025684

Use Classification MODULAR HOME

Fire: 43.16

Permit Holder WILLIAM HARPER

Waste: 67.00

Owner of Building HAROLD & SYLVIA WILLIAMS

Total: 110.16

Location: 769 SW OLD WIRE RD, LAKE CITY, FL

Date: 06/19/2007



Thany Diche

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



STATE OF FLORIDA
DEPARTMENT OF COMMUNITY AFFAIRS
"Dedicated to making Florida a better place to call home"

JEB BUSH
Governor

COLLEEN CASTILLE
Secretary

March 22, 2004

Mike Birdwell, General Manager
Cavalier Home Builders, Millen Division
206 Magnolia Street / P.O. Box 630
Millen, GA 30442

RE: Manufacturer Certification: Cavalier Home Builders, Millen Division
To manufacture: One and two family dwellings
Manufacturer I. D. Number: CHB-438
This approval expires: March 21, 2007

Dear Mr. Birdwell:

I am pleased to inform you that the Department of Community Affairs has granted Cavalier Home Builders, Millen Division approval to manufacture one and two family dwellings, type VI construction for installation in Florida. This approval is granted pursuant to your submittal, which was found by your inspection/plans review agency to be in compliance with the Manufactured Buildings Act and the Department found the application to be complete. Design and fabrication of the buildings must be approved for compliance with the Florida Building Code by your third party inspection/ plans review agency before manufacturing them. The buildings must be inspected by your third party agency during the manufacturing process for code compliance.

On site installation requirements are specifically and entirely reserved to local authorities. These requirements must be reasonable and uniformly applied as conventional construction. The buildings must meet the wind speed of the geographic area where they are installed.

A copy of this letter must be attached to the approved plans when making application for local building permits.

Sincerely,


Mo Madani
Planning Manager, C.B.O.
Codes and Standards Office

MM:akd
cc: Michael Faller, NTA

2555 SHUMARD OAK BOULEVARD • TALLAHASSEE, FLORIDA 32399-2100
Phone 850 488 8466/Suncom 278 8466 FAX 850 921 0781/Suncom 291 0781
Internet address: <http://www.dca.state.fl.us>

CRITICAL STATE CONCERN FIELD OFFICE
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 269-2402

COMMUNITY PLANNING
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 488-2356

EMERGENCY MANAGEMENT
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 410-6963

HOUSING & COMMUNITY DEVELOPMENT
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 488-7950

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **E6521M-North**
Address:
City, State: **Jacksonville, FL 32223**
Owner:
Climate Zone: **North**

Builder:
Permitting Office:
Permit Number:
Jurisdiction Number:

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIF INC.

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Approval Date:
Allow. Floor Load:
Manufacturer:
Caveller Home Builders
1/22/2007
MFT-3359-3986-3642-E6521M
40 PSF
0 hr
One (1)
130 MPH
R3
Gap: 50.0 gallons
EF: 0.91

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) **2280 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=0.3) **120.0 ft²** ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (SHGC=0.3) **275.7 ft²** ☐
8. Floor types
 - a. Raised Wood, Stem Wall **R=11.0, 2280.0 ft²** ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior **R=19.0, 1609.8 ft²** ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic **R=33.0, 2280.0 ft²** ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. N/A ☐
 - b. N/A ☐

12. Cooling systems

a. N/A

b. N/A

c. N/A

13. Heating systems

a. N/A

b. N/A

c. N/A

14. Hot water systems

a. Electric Resistance

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)

Glass/Floor Area: 0.12

Total as-built points: 23412

Total base points: 28459

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: 01-02-07

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

OWNER/AGENT: _____

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.



BUILDING OFFICIAL: [Signature]

DATE: 1/22/2007 SMP-015

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: , Jacksonville, FL, 32223-

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	2280.0	18.59	7629.0	1.Double,U=0.35,SHGC=0.	N	0.0	0.0	7.5	8.20	1.00	61.0
				2.Double,U=0.35,SHGC=0.	E	0.0	0.0	120.0	18.48	1.00	2218.0
				3.Double,U=0.35,SHGC=0.	N	0.0	0.0	12.5	8.20	1.00	102.0
				4.Double,U=0.35,SHGC=0.	E	0.0	0.0	16.0	18.48	1.00	295.0
				5.Double,U=0.35,SHGC=0.	W	0.0	0.0	7.5	16.90	1.00	126.0
				6.Double,U=0.35,SHGC=0.	W	0.0	0.0	14.7	16.90	1.00	248.0
				7.Double,U=0.35,SHGC=0.	W	0.0	0.0	60.0	16.90	1.00	1013.0
				8.Double,U=0.35,SHGC=0.	W	0.0	0.0	37.5	16.90	1.00	633.0
				As-Built Total:				275.7	4696.0		
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		19.0		1609.8		0.90 1448.8	
Exterior	1609.8	1.70	2736.7								
Base Total:		1609.8		As-Built Total:		1609.8				1448.8	
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		40.0		4.10		164.0	
Exterior	40.0	6.10	244.0								
Base Total:		40.0		As-Built Total:		40.0				164.0	
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points	
Under Attic	2280.0	1.73	3944.4	1. Under Attic		33.0		2280.0		1.65 X 1.00 3764.9	
Base Total:		2280.0		As-Built Total:		2280.0				3764.9	
FLOOR TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall		11.0		2280.0		-1.90 -4332.0	
Raised	2280.0	-3.99	-9097.2								
Base Total:		-9097.2		As-Built Total:		2280.0				-4332.0	
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
		2280.0 10.21 23278.8						2280.0 10.21		23278.8	

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
EnergyGauge®/Florida Manufactured Building Code v4.5

NIA INC.

Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6521M
40 PSF
1/22/2007
Cavaller Home Builders

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Jacksonville, FL, 32223-

PERMIT #:

BASE				AS-BUILT					
Summer Base Points: 28735.7				Summer As-Built Points: 29020.5					
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
28735.7		0.3250	9339.1	29020.5		1.00		1.000	0.310 1.000 9008.3

APPROVED BY
NIP INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type: _____
Occupancy: _____
Allowable No. of Floors: _____
Wind Velocity: _____
Fire Rating of Ext. Walls: _____
Plan No.: _____
Allow. Floor Load: _____
Approval Date: _____
Manufacturer: _____

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6621M
40 PSF
1/22/2007
Cavalier Home Builders

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Jacksonville, FL, 32223-

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	2280.0	20.17	8278.0	1.Double,U=0.35,SHGC=0.	N	0.0	0.0	7.5	11.40	1.00	85.0
				2.Double,U=0.35,SHGC=0.	E	0.0	0.0	120.0	8.82	1.00	1058.0
				3.Double,U=0.35,SHGC=0.	N	0.0	0.0	12.5	11.40	1.00	142.0
				4.Double,U=0.35,SHGC=0.	E	0.0	0.0	16.0	8.82	1.00	141.0
				5.Double,U=0.35,SHGC=0.	W	0.0	0.0	7.5	9.65	1.00	72.0
				6.Double,U=0.35,SHGC=0.	W	0.0	0.0	14.7	9.65	1.00	141.0
				7.Double,U=0.35,SHGC=0.	W	0.0	0.0	60.0	9.65	1.00	578.0
				8.Double,U=0.35,SHGC=0.	W	0.0	0.0	37.5	9.65	1.00	361.0
				As-Built Total:				275.7	2878.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0		1609.8	2.20		3541.6	
Exterior	1609.8	3.70	5956.3								
Base Total:				1609.8				5956.3		3541.6	
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			40.0	8.40		336.0	
Exterior	40.0	12.30	492.0								
Base Total:				40.0				492.0		336.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2280.0	2.05	4674.0	1. Under Attic	33.0		2280.0	1.96 X 1.00		4468.8	
Base Total:				2280.0				4674.0		4468.8	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	11.0		2280.0	1.20		2736.0	
Raised	2280.0	0.96	2188.8								
Base Total:				2280.0				2188.8		2736.0	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2280.0 -0.59 -1345.2				2280.0 -0.59 -1345.2							

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY

EnergyGauge®/DCA Form 600A-2004R
EnergyGauge®/DCA Form 600A-2004R
NIA INC.

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3986-3642-E6521M
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavaller Home Builders

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Jacksonville, FL, 32223-

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 20243.9			Winter As-Built Points: 12315.2					
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
20243.9	0.5540	11215.1	12315.2	1.00	1.000	0.521	1.000	6412.2

APPROVED BY
NIP INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type: _____
Occupancy: _____
Allowable No. of Floors: _____
Wind Velocity: _____
Fire Rating of Ext. Walls: _____
Plan No.: _____
Allow. Floor Load: _____
Approval Date: _____
Manufacturer: _____

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6521M
40 PSF
1/22/2007
Cavalier Home Builders

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Jacksonville, FL, 32223-

PERMIT #:

BASE				AS-BUILT				
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank X Multiplier X Credit = Total Multiplier	
Number of Bedrooms	X	Multipler	= Total					
3		2635.00	7905.0	50.0	0.91	3	1.00 2663.96 1.00	7991.9
				As-Built Total:				7991.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9339	11215	7905	28459	9008	6412	7992	23412

PASS



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
N/A INC.

Const. Type:
 Occupancy:
 Allowable No. of Floors:
 Wind Velocity:
 Fire Rating of Ext. Walls:
 Plan No.:
 Allow. Floor Load:
 Approval Date:
 Manufacturer:

VB
 R3
 One (1)
 130 MPH
 0 hr
 MFT-3369-3986-3642-E6621M
 40 PSF
 1/22/2007
 Cavalier Home Builders

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Jacksonville, FL, 32223-

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 joist 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 air 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 psi.	
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 610.1. 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.	

Const. Type: R3
 Occupancy: One (1)
 Allowable No. of Floors: 130 MPH
 Wind Velocity: 0 hr
 Ext. Walls: 40 PSF
 Plan No.: 1/22/2007
 Allow. Floor Load: 40 PSF
 Approval Date: 1/22/2007
 Manufacturer: Cavalier Home Builders

APPROVED BY
 [Signature]
 N.C.

These plans comply with the Florida Manufactured Building Code and adopted Codes and adhere to the following criteria:

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.7

The higher the score, the more efficient the home.

Jacksonville, FL, 32223-

APPROVED BY
NFI INC.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

1. New construction or existing ☐ New ☐ Single family
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) ☐ 2280 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=0.3) 120.0 ft²
 - b. SHGC: (or Clear or Tint DEFAULT) 7b. (SHGC=0.3) 275.7 ft²
8. Floor types
 - a. Raised Wood, Stem Wall R=11.0, 2280.0ft²
 - b. N/A
 - c. N/A
9. Wall types
 - a. Frame, Wood, Exterior R=19.0, 1609.8 ft²
 - b. N/A
 - c. N/A
 - d. N/A
 - e. N/A
10. Ceiling types
 - a. Under Attic R=33.0, 2280.0 ft²
 - b. N/A
 - c. N/A
11. Ducts
 - a. N/A
 - b. N/A

12. Cooling systems
 - a. N/A
 - b. N/A
 - c. N/A

13. Heating systems
 - a. N/A
 - b. N/A
 - c. N/A

14. Hot water systems
 - a. Electric Resistance
 - 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)

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3986-3642-E6621M
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

Cap: 50.0 gallons
EF: 0.91

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 v4.5)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **E6521M-Central**
Address:
City, State: **Lakeland, FL 33804-**
Owner:
Climate Zone: **Central**

Builder:
Permit Office:
Permit Number:
Jurisdiction:

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Allow. Floor Load: MFT-3359-3986-3642-E6521M
Plan No.: 40 PSC
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

Cap: 50.0 gallons
EF: 0.91

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) 2280 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=0.3) 120.0 ft²
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (SHGC=0.3) 275.7 ft²
8. Floor types
 - a. Raised Wood, Stem Wall R=11.0, 2280.0ft²
 - b. N/A
 - c. N/A
9. Wall types
 - a. Frame, Wood, Exterior R=19.0, 1609.8 ft²
 - b. N/A
 - c. N/A
 - d. N/A
 - e. N/A
10. Ceiling types
 - a. Under Attic R=33.0, 2280.0 ft²
 - b. N/A
 - c. N/A
11. Ducts
 - a. N/A
 - b. N/A

12. Cooling systems

- a. N/A
- b. N/A
- c. N/A

13. Heating systems

- a. N/A
- b. N/A
- c. N/A

14. Hot water system

- a. Electric Resistance
- 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)

Glass/Floor Area: 0.12

Total as-built points: 22540

Total base points: 25495

PASS

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

PREPARED BY: Scott

DATE: 01/02/07

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

OWNER/AGENT: _____

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.



BUILDING OFFICIAL: Charles W. Sunday

DATE: 1/22/2007 Smr-016

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: , Lakeland, FL, 33804-

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	2280.0	24.35	9993.0	1.Double,U=0.35,SHGC=0.	S	0.0	0.0	7.5	18.20	1.00	136.0
				2.Double,U=0.35,SHGC=0.	W	0.0	0.0	120.0	21.96	1.00	2634.0
				3.Double,U=0.35,SHGC=0.	S	0.0	0.0	12.5	18.20	1.00	227.0
				4.Double,U=0.35,SHGC=0.	W	0.0	0.0	16.0	21.96	1.00	351.0
				5.Double,U=0.35,SHGC=0.	E	0.0	0.0	7.5	24.40	1.00	183.0
				6.Double,U=0.35,SHGC=0.	E	0.0	0.0	14.7	24.40	1.00	358.0
				7.Double,U=0.35,SHGC=0.	E	0.0	0.0	60.0	24.40	1.00	1464.0
				8.Double,U=0.35,SHGC=0.	E	0.0	0.0	37.5	24.40	1.00	915.0
				As-Built Total:				275.7			6288.0
WALL TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Adjacent	0.0	0.00	0.0			1. Frame, Wood, Exterior	19.0	1609.8	1.00	1609.8	
Exterior	1609.8	1.90	3058.6								
Base Total:				1609.8				1609.8			1609.8
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0			1.Exterior Insulated		40.0	4.80	192.0	
Exterior	40.0	4.80	192.0								
Base Total:				40.0				40.0			192.0
CEILING TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	2280.0	2.13	4856.4			1. Under Attic	33.0	2280.0	2.02 X 1.00	4608.5	
Base Total:				2280.0				2280.0			4608.5
FLOOR TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Slab	0.0(p)	0.0	0.0			1. Raised Wood, Stem Wall	11.0	2280.0	-2.20	-5016.0	
Raised	2280.0	-3.43	-7820.4								
Base Total:				-7820.4				2280.0			-5016.0
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
								2280.0	14.31	32626.8	

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY

NIA
INC.

Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Span No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

VS
R3
One (1)
130 MPH
0 hr
MFT-3359-3986-3642-E6521M
40 PSF
1/22/2007
Cavalier Home Builders

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lakeland, FL, 33804-

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 42906.4			Summer As-Built Points: 40289.1					
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
42906.4	0.3250	13944.6	40289.1	1.00	1.000	0.310	1.000	12494.2

APPROVED BY

NFI INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type: _____
 Occupancy: _____
 Allowable No. of Floors: _____
 Wind Velocity: _____
 Fire Rating of Ext. Walls: _____
 Plan No.: _____
 Allow. Floor Load: _____
 Approval Date: _____
 Manufacturer: _____

VB
 R3
 One (1)
 130 MPH
 0 hr
 MFT-3389-3886-3642-E6621M
 40 PSF
 1/22/2007
 Cavalier Home Builders

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lakeland, FL, 33804-

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	2280.0	9.11	3739.0	1.Double,U=0.35,SHGC=0.	S	0.0	0.0	7.5	3.16	1.00	23.0
				2.Double,U=0.35,SHGC=0.	W	0.0	0.0	120.0	4.40	1.00	527.0
				3.Double,U=0.35,SHGC=0.	S	0.0	0.0	12.5	3.16	1.00	39.0
				4.Double,U=0.35,SHGC=0.	W	0.0	0.0	18.0	4.40	1.00	70.0
				5.Double,U=0.35,SHGC=0.	E	0.0	0.0	7.5	4.08	1.00	30.0
				6.Double,U=0.35,SHGC=0.	E	0.0	0.0	14.7	4.08	1.00	60.0
				7.Double,U=0.35,SHGC=0.	E	0.0	0.0	60.0	4.08	1.00	245.0
				8.Double,U=0.35,SHGC=0.	E	0.0	0.0	37.5	4.08	1.00	153.0
				As-Built Total:		275.7			1147.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0		1609.8	1.10		1770.8	
Exterior	1609.8	2.00	3219.6								
Base Total:				1609.8		3219.6			As-Built Total:		
						1609.8			1770.8		
DOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.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	2280.0	0.64	1459.2	1. Under Attic	33.0		2280.0	0.61 X 1.00		1382.3	
Base Total:				2280.0		1459.2			As-Built Total:		
						2280.0			1382.3		
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	11.0		2280.0	0.50		1140.0	
Raised	2280.0	-0.20	-456.0								
Base Total:				-456.0		2280.0			As-Built Total:		
						2280.0			1140.0		
INFILTRATION											
Area X BWPM = Points						Area X WPM = Points					
						2280.0			-0.28		
						-638.4			-638.4		

These calculations comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY



Occupancy: _____
 Allowable No. of Floors: _____
 Wind Velocity: _____
 Fire Rating of Ext. Walls: _____
 Plan No.: _____
 Allow. Floor Load: _____
 Approval Date: _____
 Manufacturer: _____

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lakeland, FL, 33804-

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 7527.4			Winter As-Built Points: 5005.6					
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
7527.4	0.5540	4170.2	5005.6	1.00	1.000	0.516	1.000	2584.5

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These prints comply with the
 Florida Manufactured Building
 Act and adopted Codes and
 adhere to the following criteria:

Const. Type:
 Occupancy:
 Allowable No.
 of Floors:
 Wind Velocity:
 Fire Rating of
 Ext. Walls:
 Plan No.:
 Allow. Floor Load:
 Approval Date:
 Manufacturer:

VB
 R3
 One (1)
 130 MPH
 0 hr
 MFT-3359-3986-3642-E6621M
 40 PSF
 1/22/2007
 Cavalier Home Builders

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lakeland, FL, 33804-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit Multiplier	= Total
Number of Bedrooms	X	Multiplier	= Total						
3		2480.00	7380.0	50.0	0.91	3	1.00	2487.03	1.00 7481.1
As-Built Total:									7481.1

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
13945	4170	7380	25495	12494	2584	7461	22540

PASS



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NFI INC.

Const. Type:
Occupancy:
Allowable No. of Floors:
Wind Velocity:
Fire Rating of Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3986-3642-EG521M
Allow. Floor Load: 40 PSF
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lakeland, FL, 33804-

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 reqs	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 air 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.	

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY



Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3986-3642-E6521M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavaller Home Builders

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.7

The higher the score, the more efficient the home.

, Lakeland, FL, 33804-

1. New construction or existing	New	12. Cooling system	a. N/A
2. Single family or multi-family	Single family	b. N/A	
3. Number of units, if multi-family	1	c. N/A	
4. Number of Bedrooms	3		
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft ²)	2280 ft ²	13. Heating system	a. N/A
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 120.0 ft ²		
b. SHGC:	7b. (SHGC=0.3) 275.7 ft ²	14. Hot water system	a. Electric Resistance
(or Clear or Tint DEFAULT)		b. N/A	
8. Floor types	R=11.0, 2280.0 ft ²	c. N/A	
a. Raised Wood, Stem Wall			
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
9. Wall types	R=19.0, 1609.8 ft ²	HF-Whole house fan,	
a. Frame, Wood, Exterior		PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
d. N/A			
e. N/A			
10. Ceiling types	R=33.0, 2280.0 ft ²		
a. Under Attic			
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

APPROVED BY
NE INC.
prints comply with the
Florida Manufactured Building
and adopted Codes and
are to the following criteria:
Const. Type:
Occupancy:
Allowable No.
of Floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:
MFT-3359-3686-3642-E6621M
40 PSF
1/22/2007
Cavalliere Home Builders

Cap: 50.0 gallons
EF: 0.91

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 v4.5)

Act and adopted Building Codes and adhere to the following criteria:



APPROVED BY

Occupancy:	VB
Allowable No. of Floors:	One (1)
Fire Rating of Ext. Walls:	130 MPH
Plan No.:	0 hr
Approval Date:	1/22/2007
Manufacturer:	Cavallier Home Builders
Allow. Floor Load:	40 PSF
Plan No.:	MFT-3359-3986-3642-E6521M

EXTERIOR ELEVATION NOTES:

ATTIC VENTILATION:

CEILING INLET: (76X30)X144 = 328,320 sq. in.
REQUIRED INLET AREA: (5X328,320/300) = 547.2
PROVIDED INLET AREA: (76X2)X6, 185 = 940.12 sq. in.
940.12 sq. in. > 547.2 sq. in. therefore ok.
REQUIRED OUTLET AREA: (5X328,320/300) = 547.2
547.2/150 = 3.65 => 4 VENTS REQ'D
PROVIDED OUTLET AREA: 150 sq. ft. PER POP VENT
4 X 150sq. in. = 600
600 sq. in. > 547.2 sq. in. therefore ok.

FLORIDA STRUCTURAL
LOAD LIMITATIONS:
(FBC 1606.1.7)

FLOOR LIVE LOAD:	40 PSF
ROOF LIVE LOAD:	20 PSF
ROOF SNOW LOAD:	NOT APPLICABLE
CONSTRUCTION TYPE	VB
OCCUPANCY	R3
FIRE RATING OF EXT. WALLS	0
HIGH VELOCITY HURRICANE ZONE	NO
SEISMIC LOAD:	NOT APPLICABLE
WIND LOAD:	A. 130 MPH B. W = 10 C. G. WIND EXPOSURE CATEGORY: 1 D. WIND SPEED: 130 MPH E. PW = 82.9 PSF F. PW = 82.9 PSF G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
FLOOD LOAD:	THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA

CAVALIER HOME BUILDERS LLC.
HAMILTON DIVISION
P.O. BOX 1418
330 BUCCANEER ST.
HAMILTON, AL. 35570
CONTACT NAME: DOUG CARPENTER
PHONE NO. 1-205-921-3135
FAX. NO. 1-205-921-6538

ENGINEERED BY:
KEVIN M. FINN, P.E., INC.
2700 W. WILDEN AV., STE. 4
GOSHEN, IN 46528
FL LICENSE NO. 41622

PLUMBING NOTES:

1. TUB ACCESS SHALL BE PROVIDED FROM UNDER UNIT UNLESS OTHERWISE SPEC.
2. SHOWERS SHALL HAVE WATERPROOF WALL MATERIAL TO A HEIGHT OF 6'-0" A.F.F. MIN.
3. ALL SHOWER HEADS SHALL HAVE A MAX. FLOW RATE OF 2.5 G.P.M.
4. ALL FIXTURES ARE PROVIDED WITH SHUT-OFF VALVES.
5. THE COLD WATER BRANCH LINE SERVING THE WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH SHUT-OFF VALVE.
6. WHEN POLYETHYLENE SUPPLY PIPING IS USED A MIN. 6" METAL PIPE IS PROVIDED BETWEEN THE HOT WATER SUPPLY AND WATER HEATER WITH LOCKOUT.
7. WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH APPROVED TEMP. & PRESSURE RELIEF VALVE & HAVE A MAX. TEMP. SETTING OF 210 DEG. F°
1. The following items have not been completed by CAVALIER HOMES, have not been inspected by NTA Inc., and are not certified by the Florida Modular Label. Code compliance must be determined at the local level.
1. Electrical fixture (ceiling fans) inst.
2. Heat pump to include cross-over connections.
3. Chimney termination completion.
4. Storm Doors
5. Box for heating system installed by others.
6. Water vent installed on site.
7. Flood-tights
8. Main trunk of H.V.A.C. along with branch ducts to register boots to be completed on-site for off-frame only.
9. Installation of dormer on a 7/12 roof pitch.

Florida Codes

2005 NATIONAL ELECTRICAL CODE
2004 FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION WITH 2006 SUPPLEMENTS
2004 FLORIDA RESIDENTIAL CODE WITH 2006 SUPPLEMENTS

DUCT LAYOUT

MINIMUM DUCT THICKNESS = 0.013 / EQUIVALENT GALVANIZED GAGE NO. = 30
HVAC SYSTEM IS DESIGNED AND INSTALLED BY OTHERS AND SUBJECT TO LOCAL REVIEW AND APPROVAL

GENERAL NOTES:

1. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
2. CONSTRUCTION TYPE: VB UNPROTECTED
3. DESIGNED FLOOR LIVE LOAD: 40 P.S.F.
4. DESIGNED ROOF LIVE LOAD: 20 P.S.F.
5. DESIGNED WIND VELOCITY: 130 MPH, EXP "C"
6. MIN. HALLWAY WIDTH IS 36"
7. ALL GLASS IN DOORS, SIDELIGHTS, TUB, SHOWER ENCLOSURES SHALL BE SAFETY GLAZED.
8. INTERIOR DOORS SHALL BE UNDERCUT 1" A.F.F. OR EQUAL RETURN AIR GRILLS INSTALLED.
9. ALL SUPPLY AIR REGISTERS SHALL BE ADJUSTABLE.
10. OCCUPANCY CLASSIFICATION: RESIDENTIAL
11. THESE PLANS COMPLY WITH RULE 9B-72 (PRODUCT APPROVAL)
12. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DCA.

ELECTRICAL NOTES:

1. ALL VENT FANS SHALL EXTEND TO THE EXTERIOR OF THE BUILDING. (THIS EXCLUDES A CHARCOAL VENT RANGE HOOD)
2. BATHROOM VENT FANS SHALL PROVIDE 50 CFM.
3. LIGHTING PROVIDED IN CLOSETS SHALL BE 18" MIN. FROM SHELVING.
4. CEILING FANS SHALL BE INSTALLED WITH BLADES NO LOWER THAN 7'-0" A.F.F.

THERMAL ZONE:

CEILING: R-33
WALLS: R-19
FLOOR: R-11

WIND BOURNE PROTECTION OF DEBRIS

SECURE 7/16" MIN. OSB OR PLYWOOD PANELS INTO THE SUPPORT FRAMING ON EACH SIDE OF THE OPENING WITH #8x3" SCREWS @ 12" OC, 96" MAXIMUM OPENING SPANS (SEE R301.2.1.2 OF THE 2004 FBC)

ATTENTION LOCAL INSPECTIONS DEPARTMENT:

***** REFER TO THE MODULAR DATA SHEET FOR ITEMS SUBJECT TO LOCAL INSPECTION *****

- A. LATERAL & VERTICAL CONNECTION = PG. 10 (SET-UP MANUAL)
- B. ROOF SET-UP & CONNECTION = PG. 10 (SET-UP MANUAL)
- C. VERTICAL & HORIZONTAL PLUMBING CONNECTION BETWEEN MODULES = PG. 12 (SET-UP MANUAL)
- D. VERTICAL & HORIZONTAL MECHANICAL CONNECTION = PG. 13 (SET-UP MANUAL)
- E. ELECTRICAL CONNECTION BETWEEN MODULES = PG. 14 (SET-UP MANUAL)
- F. FIRE STOPPING & ELIMINATION OF AIR INFILTRATION = PG. 10.2 (SET-UP MANUAL)

THIS BUILDING IS DESIGNED TO BE INSTALLED ON A SITE-BUILT PERMANENT FOUNDATION AND IS NOT DESIGNED TO BE MOVED ONCE SO ERECTED OR INSTALLED.

THIS BUILDING HAS NOT BEEN DESIGNED FOR PLACEMENT IN BROWARD OR DADE COUNTIES.

THIS BUILDING DOES NOT COMPLY WITH CHAPTER 633 AND IS SUBJECT TO REVIEW AND APPROVAL OF THE LOCAL STATE FIRE INSPECTOR.

DATE 1/22/2007 CERT. NO. SMP-015

PLAN NUMBER MFT-3359-3986-3642-E6521M

APPROVED BY CHARLES A. OSTERDAY, JR.

Charles A. Osterday, Jr.
(signature)

CAVALIER HOME BUILDERS LLC.
MILLEN DIVISION
P.O. BOX 630
206 MAGNOLIA STREET.
MILLEN, GA. 30442
CONTACT NAME: SCOTT LEE
PHONE NO. 1-478-982-4000
FAX. NO. 1-478-982-4394

CAVALIER HOME BUILDERS LLC.
ADDISON DIVISION
P.O. BOX 540
32 WILSON BLVD. 100
ADDISON, AL. 35540
CONTACT NAME: JOHNNY WOOTEN
PHONE NO. 1-256-747-1575
FAX. NO. 1-256-747-2344

A = 33 1/2"
B = 25 3/4"
C = 37 1/2"
D = 29 1/2"
E = 70" X 78"
F = 34-1/2"



APPROVED BY
NIB INC.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. type:
Occupancy:
Allowable No.
of floors:
Wind Velocity:
Fire Rating of
Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

R3
 One (1)
 130 MPH
 0 hr
 MFT-3359-3986-3642-E6521M
 40 PSF
 1/22/2007
 Cavalier Home Builders



DOOR SCHEDULE

DUNBARTON 4-PANEL (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00 DUNBARTON 6-LITE (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00			
SLIDING GLASS DOOR			
M.L. HOME PRODUCTS - R.O. - 80 2/4" X 71 1/4" LIGHT - 34.37 VENT = .037 CFM/FT SQ.			
KINRO WINDOW SCHEDULE - SERIES 9750			
SIZE	ROUGH OPENING	GLASS/VENT EQ. SASH	MAX. ALLOWABLE ROOM SIZE EQ. SASH
SH2460	24 1/4" X 60 1/4"	7.69	3.93
SH2436	24 1/4" X 36 1/4"	12.08	2.28
SH3660	36 1/4" X 60 1/4"	12.2	6.14
SH3636	36 1/4" X 36 1/4"	9.95	5.03
SH3036	30 1/4" X 36 1/4"	5.55	2.76
SH4636	46 1/2" X 46 1/2"	13.17	0.00

- 1 USE 3/8" SHEATHING W/ 8d NAILS @ 4" OC EDGE & 12" OC FIELD SPACING (ENDWALL),
 - 2 USE 3/8" SHEATHING W/ 8d NAILS @ 6" OC EDGE & 12" OC FIELD SPACING (SIDEWALL),
 - 1 USE PLYWOOD STRIP W/ 8d NAILS @ 2" OC (ENDWALL)
 - 2 USE PLYWOOD STRIP W/ 8d NAILS @ 6" OC (SIDEWALL)
- (1) Simpson STHD14RJ (5785 lbs each) or equivalent

H-1 = WINDOW HEADER (2) 2 X 65 #43 SYP
H-2 = WINDOW HEADER (3) 2 X 65 #43 SYP
H-3 = WINDOW HEADER (2) 2 X 65 #2 SYP
H-4 = RIDGE BEAM 1.2" X 6.375" LVL MASTER PLANK
H-5 = RIDGE BEAM 1.2" X 10" LVL MASTER PLANK
H-6 = RIDGE BEAM 1.2" X 11.875" LVL MASTER PLANK
H-7 = RIDGE BEAM 1.2" X 14" LVL MASTER PLANK
H-8 = RIDGE BEAM 1.2" X 16" LVL MASTER PLANK
H-9 = RIDGE BEAM 1.2" X 18" LVL MASTER PLANK
H-10 = (2) COLUMN STUDS #2 S.P.F. TO EQUAL 2.8" - M.B.L.
H-11 = (3) COLUMN STUDS #2 S.P.F. TO EQUAL 4.2" - M.B.L.
H-12 = (4) COLUMN STUDS #2 S.P.F. TO EQUAL 5.5" - M.B.L.
H-13 = (5) COLUMN STUDS #2 S.P.F. TO EQUAL 7.0" - M.B.L.

MODULAR

MODEL PLAN

Cavalier Home Builders

ELECTRICAL SCHEDULE / 200 AMP SERVICE

CIR. NO.	DESCRIPTION	BREAKER AMP.	VOLTS	COPPER WIRE
1	WASHER	20	120	12/2
2	GENERAL LIGHTING	15	120	14/2
3	FREEZER	20	120	12/2
4	WATER HEATER WITH LOCKOUT	30	240	10/2
5	MICROWAVE	20	120	12/2
7	GROUND FAULT INTERRUPTED - KIT.	20	120	12/2
8	GENERAL LIGHTING	15	120	14/2
9	GROUND FAULT INTERRUPTED - KIT.	20	120	12/2
10	* GENERAL LIGHTING/ARC FAULT	15	120	14/2
12	DRYER	30	240	10/3
16	* GENERAL LIGHTING/ARC FAULT	15	120	14/2

ELECTRICAL SCHEDULE / 200 AMP SERVICE

CIR. NO.	DESCRIPTION	BREAKER AMP.	VOLTS	COPPER WIRE
18	GENERAL LIGHTING	15	120	14/2
20	OVEN	30	240	10/3
24	DISHWASHER	15	120	14/2
26	RANGE/SURFACE UNIT	40	240	8/3
29	* GENERAL LIGHTING/ARC FAULT	15	120	14/2
31	* GENERAL LIGHTING/ARC FAULT	15	120	14/2
32	REFER	15	120	14/2
33	EXTERIOR GFI	20	120	12/2
34	BATH GFI	20	120	12/2
35	BLANK	15	120	14/2
36	BLANK	20	120	12/2

Φ = DUPLEX OUTLET ON 15 AMP CIRCUIT
Φ = DUPLEX OUTLET ON 20 AMP CIRCUIT
Φ = DUPLEX OUTLET ON GFI CIRCUIT
Φ = EXTERIOR OR WET LOCATION OUTLET
\$ = SWITCH
\$\$ = DOUBLE GANG SWITCH
⊕ = CEILING MOUNTED LIGHT FIXTURE

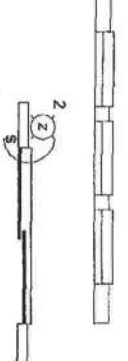
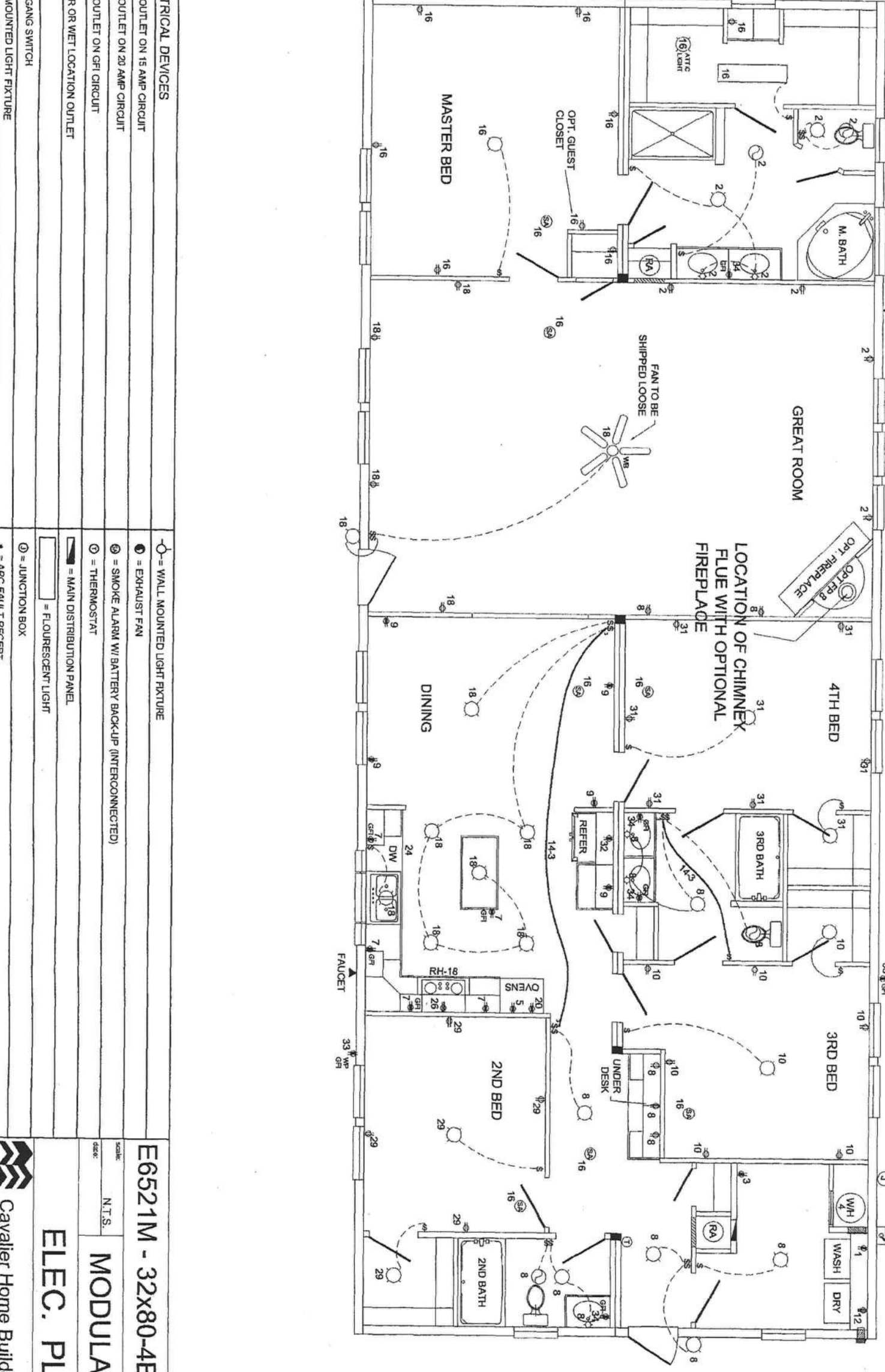
⊖ = WALL MOUNTED LIGHT FIXTURE
⊖ = EXHAUST FAN
⊖ = SMOKE ALARM W/ BATTERY BACK-UP (INTERCONNECTED)
⊖ = THERMOSTAT
⊖ = MAIN DISTRIBUTION PANEL
⊖ = FLUORESCENT LIGHT
⊖ = JUNCTION BOX
* = ARC FAULT RECEPT.

E6521M - 32x80-4BR 2Bath

MODULAR

ELEC. PLAN

Cavalier Home Builders™



200A SERVICE

Handwritten signature

APPROVED BY
NIF INC.

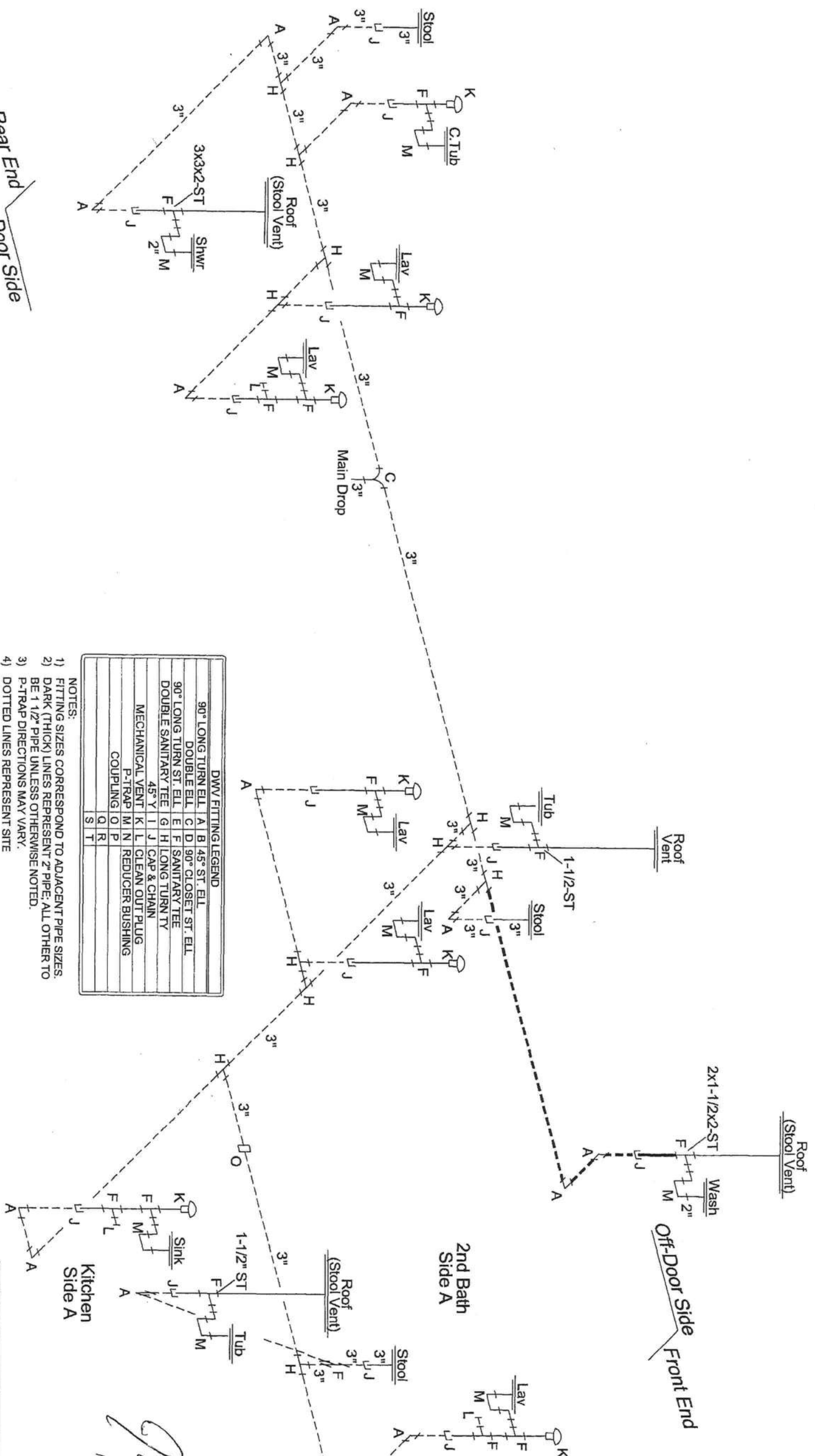
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

- Const. Type: VB
- Occupancy: One (1)
- Wind Velocity: 130 MPH
- Fire Rating of Floors: 0 hr
- Ext. Walls: 40 PSF
- Plan No.: MFT-3359-3988-3642-E6521M
- Approval Date: 1/22/2007
- Manufacturer: Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3986-3642-E6521M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavallier Home Builders



DWV FITTING LEGEND									
90° LONG TURN ELL	A	B	45° ST. ELL	C	D	90° CLOSET ST. ELL	E	F	G
DOUBLE ELL	H	I	90° LONG TURN ST. ELL	J	K	DOUBLE SANITARY TEE	L	M	N
DOUBLE SANITARY TEE	O	P	45° Y I J	Q	R	45° Y I J	S	T	U
MECHANICAL VENT	V	W	45° Y I J	X	Y	45° Y I J	Z	AA	AB
P-TRAP	AC	AD	45° Y I J	AE	AF	45° Y I J	AG	AH	AI
COUPLING	AJ	AK	45° Y I J	AL	AM	45° Y I J	AN	AO	AP
	AR	AS	45° Y I J	AT	AU	45° Y I J	AV	AW	AX
	AY	AZ	45° Y I J	BA	BB	45° Y I J	BC	BD	BE
	BF	BG	45° Y I J	BH	BI	45° Y I J	BJ	BK	BL
	BM	BN	45° Y I J	BO	BP	45° Y I J	BQ	BR	BS
	BT	BU	45° Y I J	BV	BW	45° Y I J	BX	BY	BZ
	CA	CB	45° Y I J	CC	CD	45° Y I J	CE	CF	CG
	CH	CI	45° Y I J	CJ	CK	45° Y I J	CL	CM	CN
	CO	CP	45° Y I J	CQ	CR	45° Y I J	CS	CT	CU
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	CH	CI	45° Y I J	CJ	CK	45° Y I J	CL	CM	CN
	CI	CJ	45° Y I J	CK	CL	45° Y I J	CM	CN	CO
	CJ	CK	45° Y I J	CL	CM	45° Y I J	CO	CP	CQ
	CK	CL	45° Y I J	CM	CN	45° Y I J	CQ	CR	CS
	CL	CM	45° Y I J	CN	CO	45° Y I J	CR	CS	CT
	CM	CN	45° Y I J	CO	CP	45° Y I J	CT	CU	CV
	CN	CO	45° Y I J	CP	CQ	45° Y I J	CV	CW	CX
	CO	CP	45° Y I J	CQ	CR	45° Y I J	CX	CY	CZ
	CP	CQ	45° Y I J	CR	CS	45° Y I J	CY	CZ	DA
	CQ	CR	45° Y I J	CS	CT	45° Y I J	CZ	DA	DB
	CR	CS	45° Y I J	CT	CU	45° Y I J	DA	DB	DC
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	DR	DS	45° Y I J	DT	DU	45° Y I J	DJ	DK	DL
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	DG	DH	45° Y I J	DI	DJ	45° Y I J	DP	DQ	DR
	DH	DI	45° Y I J	DJ	DK	45° Y I J	DQ	DR	DS
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	DT	DU	45° Y I J	DE	DF	45° Y I J	DL	DM	DN
	DU	DE	45° Y I J	DF	DG	45° Y I J	DM	DN	DO
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	DG	DH	45° Y I J	DI	DJ	45° Y I J	DP	DQ	DR
	DH	DI	45° Y I J	DJ	DK	45° Y I J	DQ	DR	DS
	DI	DJ	45° Y I J	DK	DL	45° Y I J	DR	DS	DT
	DJ	DK	45° Y I J	DL	DM	45° Y I J	DS	DT	DU
	DK	DL	45° Y I J	DM	DN	45° Y I J	DT	DU	DE
	DL	DM	45° Y I J						

APPROVED BY
NIP INC.

These prints comply with the
Florida Manufactured Building
Codes and adopted
to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-33569-3986-3642-E6521M
Allow. Floor Load:	40 PSF
Approval Date:	1/22/2007
Manufacturer:	Cavalier Home Builders

[Signature]

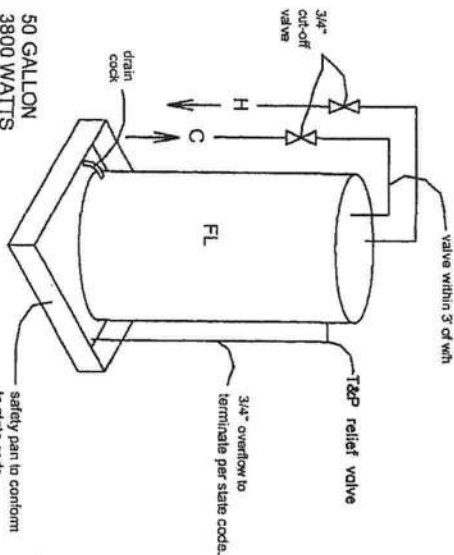
E6521M - 32x80-4BR 2Bath

MODULAR

WATER SUPPLY

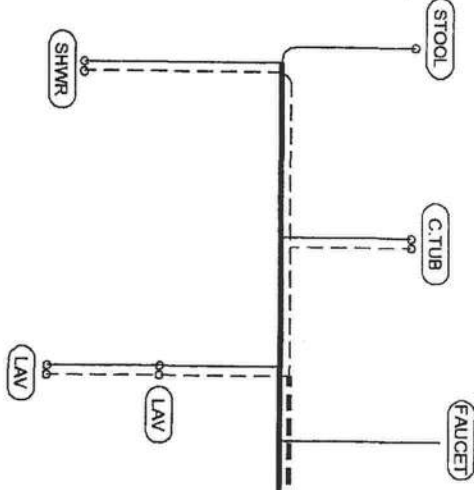
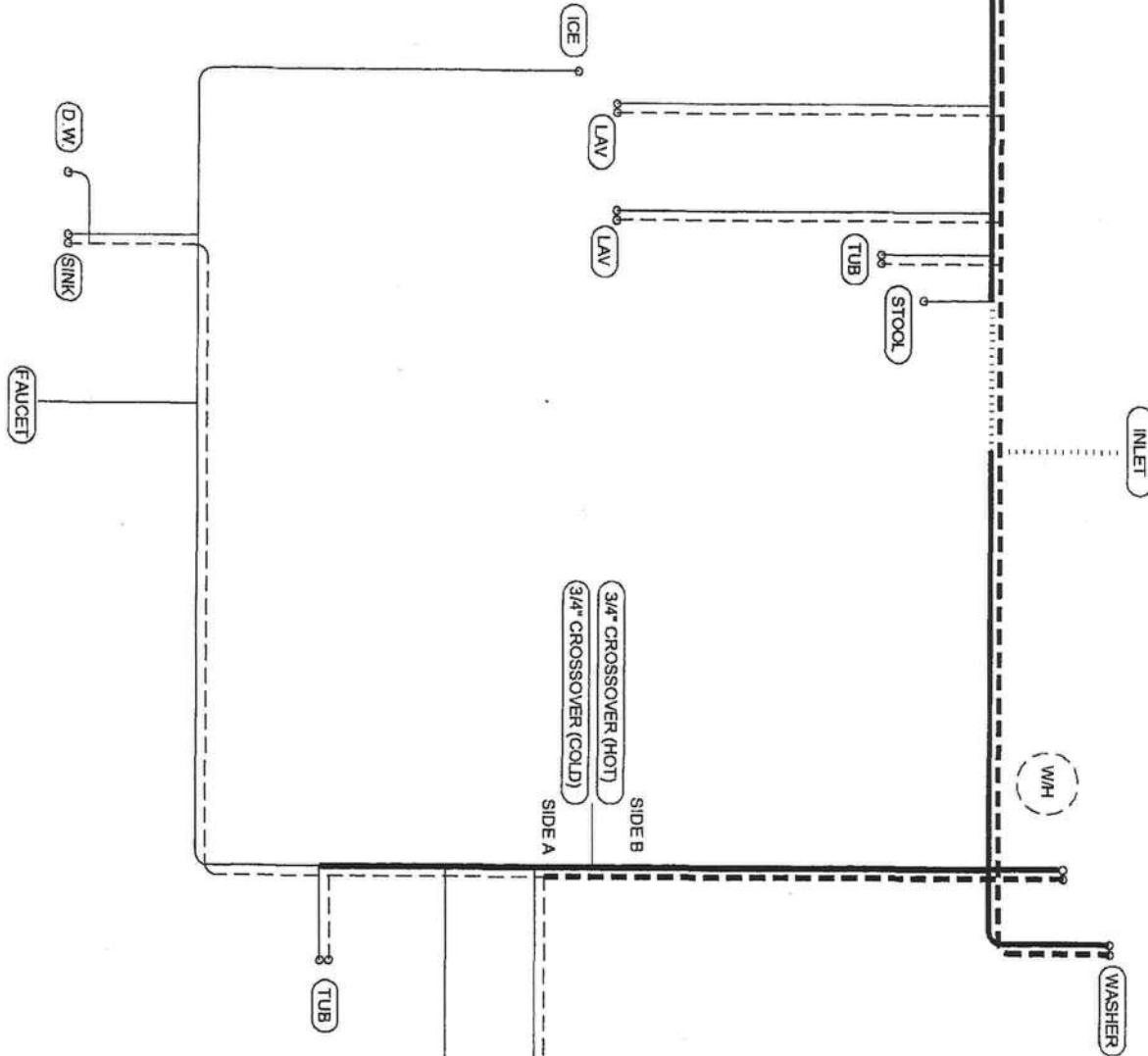


Cavalier Home Builders

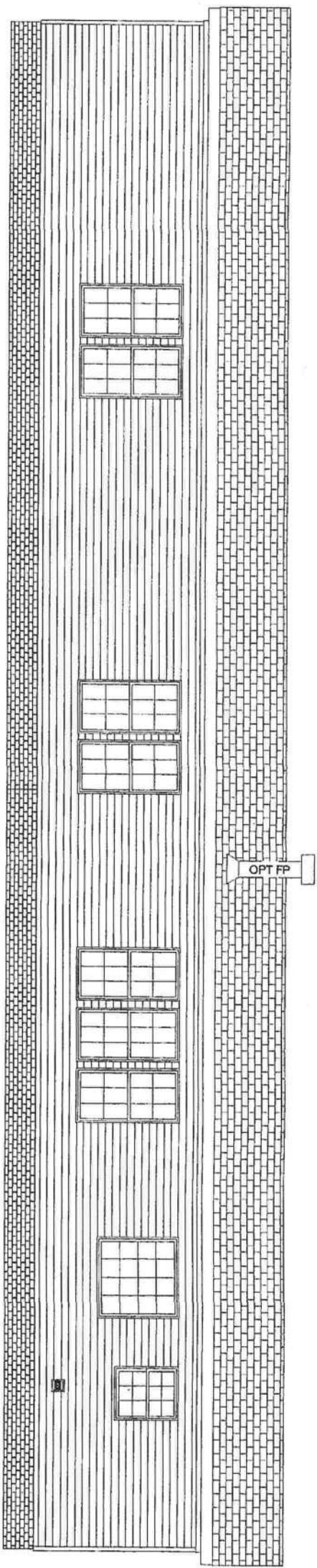


- NOTES:
- 1) FITTING SIZES TO CORRESPOND TO ADJACENT PIPE SIZES.
 - 2) COPPER, CPVC, OR OTHER APPROVED OR LISTED MATERIAL MAY BE USED.
 - 3) ALL SIZING OF PIPE + OR -, MUST MEET OR EXCEED ANY APPLICABLE CODES.
 - 4) PEX LINES MUST BE SUPPORTED 48" OC MAXIMUM.
 - 5) A WATER HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED.

- LEGEND
- 1/2" LINE (COLD)
 - 1/2" LINE (HOT)
 - 3/4" LINE (COLD)
 - 3/4" LINE (HOT)
 - 1" LINE (COLD)
- CUT OFF VALVE LOCATION

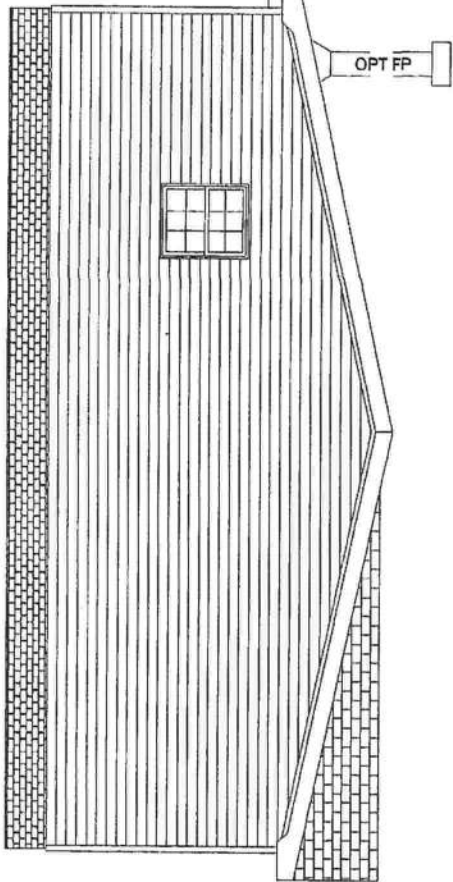


REAR ELEVATION

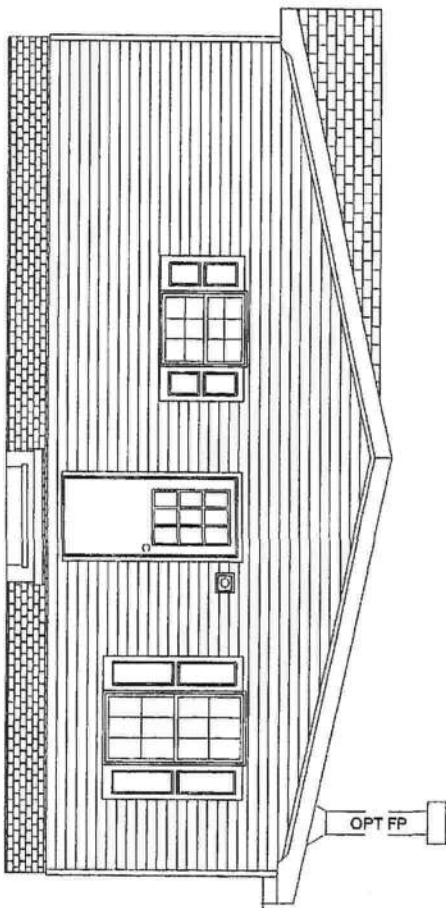


12" O.H. TYP.

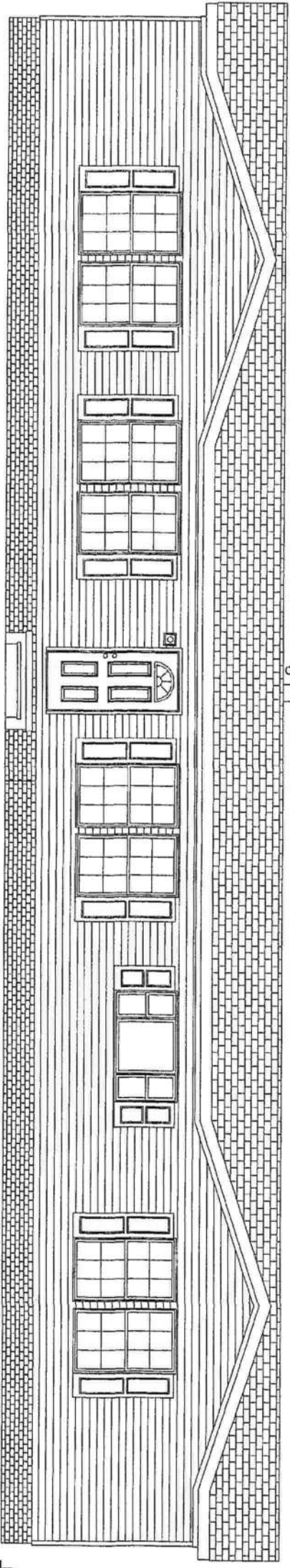
LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION



Cavalier Home Builders
MODEL: 08-E6521M - 32 X 80
4-BEDROOM / 2-BATH
STANDARD 3:12 ROOF PITCH

6/9/05

EXTERIOR MATERIALS:

1. EXTERIOR WALL FINISH: VINYL SIDING
2. SOFFIT FINISH: VINYL SOFFIT
3. ROOF COVERING: SHINGLES

APPROVED BY
NIA INC.
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	R3
Occupancy:	One (1)
Allowable No. of Floors:	130 MPH
Wind Velocity:	0 hr
Fire Rating of Ext. Walls:	MFT-3359-3986-3642-E6521M
Plan No.:	40 PSF
Allow. Floor Load:	1/22/2007
Approval Date:	Cavalier Home Builders
Manufacturer:	

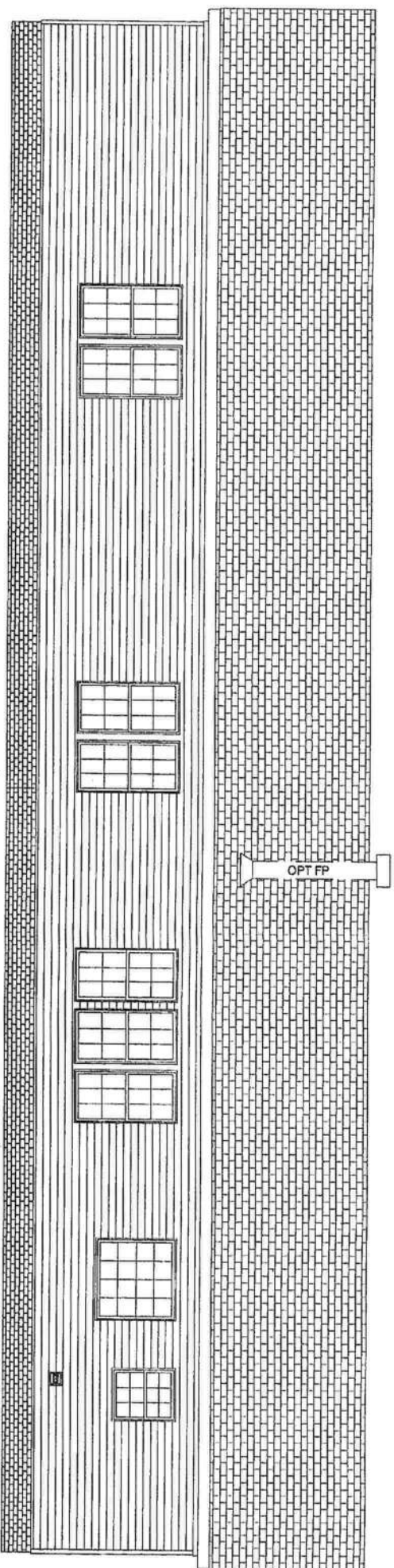
Signature

E6521M - 32x80-4BR 2Bath

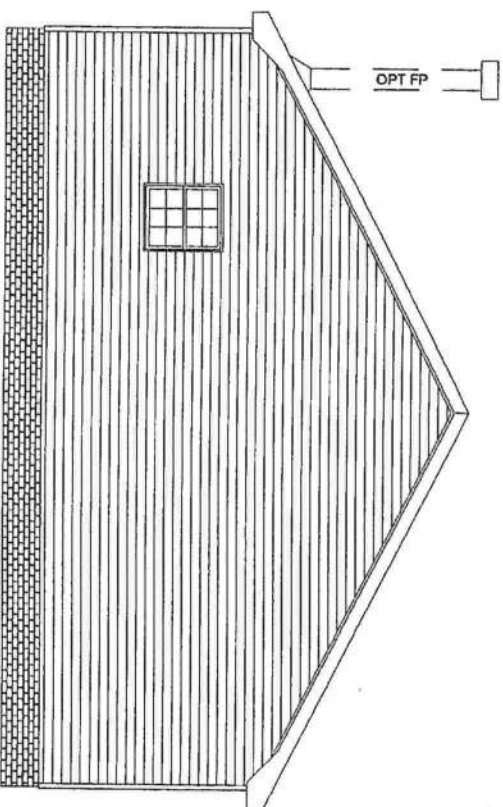
MODULAR

Exterior Elevations

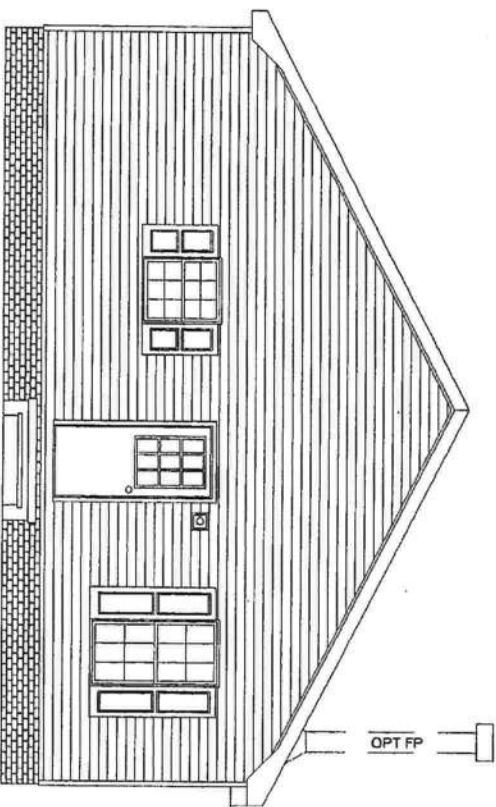
Cavalier Home Builders



REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

12" O.H. TYP.

Cavalier Home Builders
MODEL: 08-E6521M - 32 X 80
4-BEDROOM / 2-BATH
7:12 ROOF PITCH

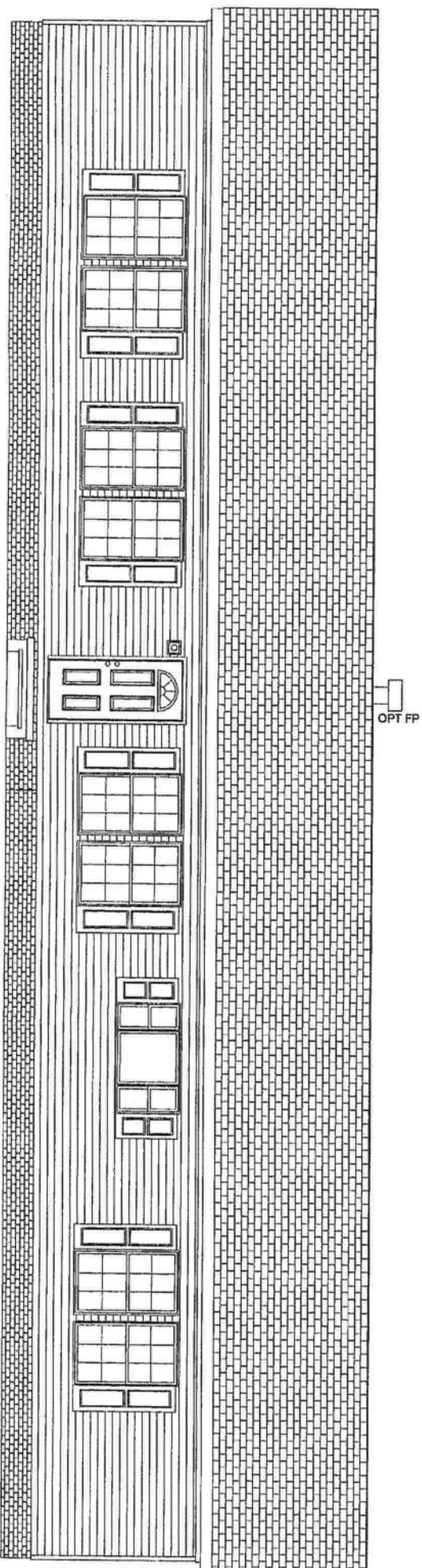
APPROVED BY
NIA INC.
These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type: _____
Occupancy: _____
Allowable No. of Floors: _____
Wind Velocity: _____
Fire Rating of Ext. Walls: _____
Plan No.: _____
Allow. Floor Load: _____
Approval Date: _____
Manufacturer: _____
Cavalier Home Builders
MFT-3359-3986-3642-E6521M
40 PSF
1/22/2007
0 hr
130 MPH
QoS (1)
R3
VB

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EXTERIOR MATERIALS:

1. EXTERIOR WALL FINISH: VINYL SIDING
2. SOFFIT FINISH: VINYL SOFFIT
3. ROOF COVERING: SHINGLES



FRONT ELEVATION

E6521M - 32x80-4BR 2Bath

MODULAR

OPTION
EXTERIOR ELEVATIONS

Cavalier Home Builders™

TYPICAL ROOFING MATERIAL
EDGERAIL FASTENED PER OTHER DRAWINGS

SHINGLE DRIP EDGE

TYPICAL SIDEWALL AND ROOF SYSTEM PER OTHER DRAWINGS

FASCIA
PERFORATED SOFFIT MTL
VINYL CROWN
VINYL SIDING ATTACHED PER OTHER DRAWINGS

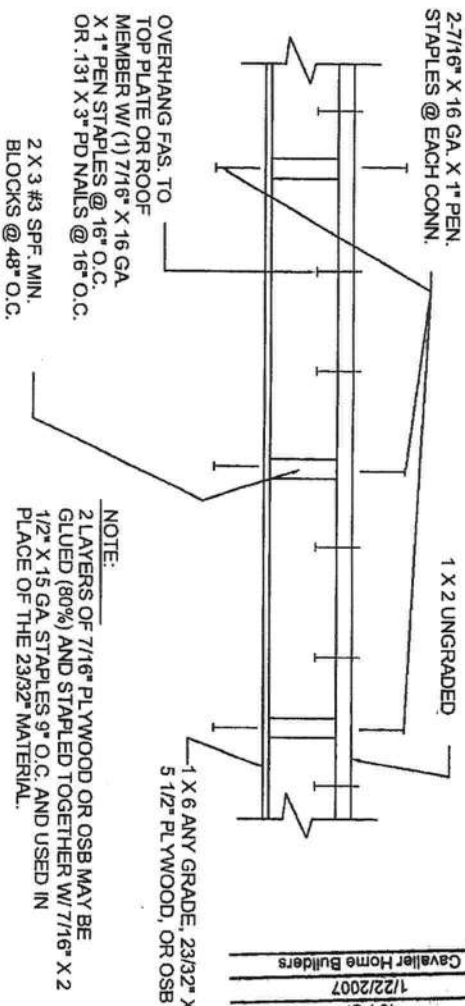
12" MAX. OVERHANG

1. SHINGLE DRIP EDGE TO DECKING W/ 1" X 3/4" X 16 G.A. STAPLES 16" O.C. (MAY USE FASTENING OF SHINGLE STARTER STRIP FOR DRIP EDGE SECUREMENT).
2. 1 X 2 FASTENED TO TOP PLATE OR STUD WITH (1) 7/16" X 16 GA. X 1" PEN. STAPLES AT 16" O.C.
3. FACE OF VINYL CROWN TO STUDS WITH 1 1/4" METAL SCREWS 48" O.C.
4. TOP COURSE OF VINYL TO BE TRIMMED AND SLOTTED PER MFR. INSTRUCTIONS. PLACE TO COURSE BEHIND CROWN AND FASTEN PER WINDZONE.
5. 1 X 6 ANY GRADE, 23/32" PLYWOOD, OSB OR 2 LAYERS OF 7/16" PLYWOOD OR OSB.
6. 1 X 2 ANY GRADE, 23/32" PLYWOOD, OR O.S.B.
7. 2 X 3 #3 SPF. MIN. BLOCKS 48" O.C.
8. FASCIA FASTENED TO TOP CHORD OF TRUSS W/ (2) 7/16" X 1" PEN. X 16 GA. STAPLES.
9. 3" L-BAR FASTENED INTO 1 X 6 W/ 3/4" X 18 GA. STAPLES 24" O.C.
10. "HARDIE" FASCIA FASTENED TO 1 X 6 W/ (1) 2-1/4" X 7d NAILS 16" O.C. STAGGERED.
11. SOFFIT MTL FASTENED TO 1 X 6 W/ (1) 3/4" X 18 GA. STAPLE AT 48" O.C.

RIDGE BEAM CONSTRUCTION

1. LAYER(S) 1/2" X 11.875 MICROLAM, EACH MODULE

1. MICROLAM Fb = 2,900 P.S.I.
2. MICROLAM MUST BE CONTINUOUS OVER CLEARSPANS.
3. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
4. INSTALL (2 X 4) X 20" S.P.F. #3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND (6) - 15 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.



INTERIOR FINISH MATERIAL

CEILING - 1/2" MINIMUM GYPSUM BOARD INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALLS - CORRIDORS - 3/8" MINIMUM GYPSUM BOARD.

FLOORS - BLOCK TILE OF LINOLEUM IN BATH AND OTHER WET AREAS
CARPET, BLOCK TILE OR LINOLEUM INSTALLED IN ALL OTHER AREAS

EXTERIOR FINISH MATERIAL

ROOF - 215# ASPHALT OR FIBERGLASS SHINGLES OVER 2 LAYERS 15# FELT UNDERLAYMENT OR EQUAL, INSTALLED PER MANUFACTURERS SPECIFICATIONS

WALL - .019 INCH ALUMINUM SIDING
(*) WALL - 5/8 INCH D-11 APA RATED PANEL SIDING
(*) WALL - 7/16 INCH LP INNER SEAL APA RATED PANEL SIDING
WALL - VINYL LAP SIDING

* MAY BE USED AS BRACING MATERIAL. FASTEN SIDING PER SPECIFICATIONS GIVEN ABOVE FOR 3/8 INCH APA RATED SIDING EXTERIOR

E6521M - 32x80-4BR 2Bath

scale: N.T.S. date: MODULAR

MISC. DETAILS

Cavalier Home Builders

APPROVED BY NIP INC. These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type: VB
Occupancy: R3
Allow. Floor Load: 40 PSF
Plan No.: MFT-3359-3986-3642-E6521M
Approval Date: 1/22/2007
Manufacturer: Cavalier Home Builders

Handwritten signature and date 1/24/07

APPROVED TRUSSES

157'- 2.61/2 MONO - 11326097R05
157'- 4.28/12 HIN. - 15X56097201
157'- 6.26 HIN. COTTAGE - 11326097R03
157'- 6.26 HIN. MONO - 11086097R03
177'- 2.31/2 MONO - 11326097R06
177'- 4.28/12 MONO COTT. - 11326097R07
177'- 4.28/12 HIN. COTT. - 15226097R02
177'- 4.28/12 HIN. MONO - 15226097R03
177'- 6.25/12 HIN. MONO - 11326097R06
177'- 6.28/12 HIN. COTT. - 15226097R02

1.88 SQUARE FEET NET FREE AREA
OF ATTIC VENTILATION TO BE
PROVIDED BY GABLE AND/OR ROOF
VENTS

FASTEN HALVES TOGETHER WITH (1) - #10 x
3" SCREW 4" O.C. (ALTERNATE SIDES)
SIMPSON LSTA18 STRAPS @ 32" O.C.
FASTENED PER MANUFACTURERS
INSTALLATION INSTRUCTIONS

FASTEN HALVES TOGETHER WITH #10 x 3"
SCREW 32" O.C. (ALTERNATE SIDES)
(NOMINAL 3/12" ONLY)

DESIGNED TRUSSES @ 16" OR 24" O.C. DESIGNED ROOF TRUSS LOADS:
LIVE LOAD 20 PSF TOP CHORD
DEAD LOAD 10 PSF TOP CHORD
LIVE LOAD 0 PSF BOTTOM CHORD
DEAD LOAD 10 PSF BOTTOM CHORD
TRUSS CALC REF. ROOF SECTION OF CONSTRUCTION MANUAL FOR
SEE ROOF SECTION OF CONSTRUCTION MANUAL FOR
SEALED TRUSS APPROVALS

2x4 blocking required at
decking seams. The blocking is
required for 14'-0" from the
overhang.

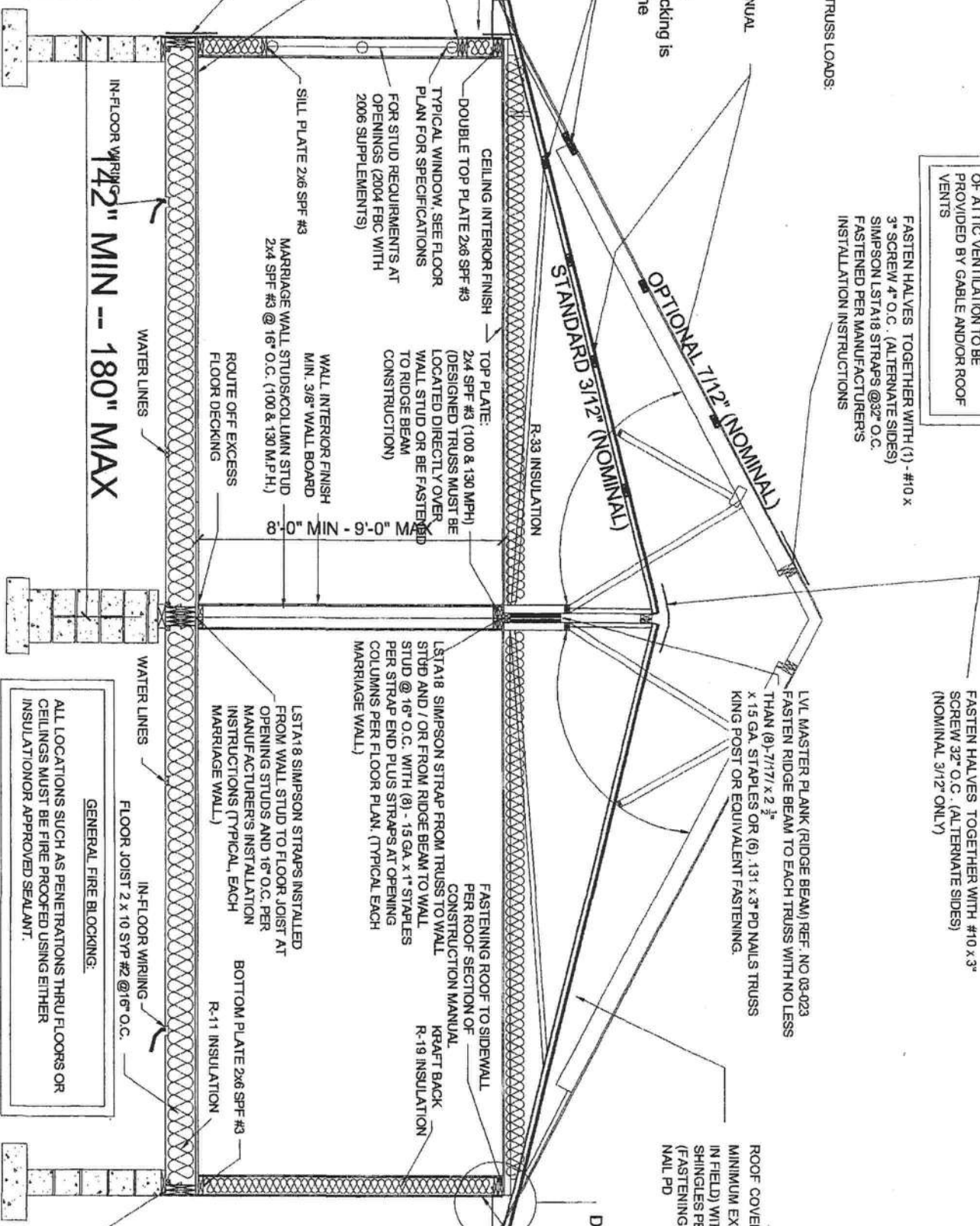
EXTERIOR WALL STUDS & CRIPPLES
2x6 SPF #3 @ 16" O.C. (100 & 130 M.P.H.)
(2) 2 x HEADER PER APPROVED STRUCTURAL PACKAGE
(2004 FBC WITH 2006 SUPPLEMENTS)

23/32" STRUCTURE WOOD, STURDI FLOOR
EXP. 1, 24" O.C. (WEYERHAEUSER) 98 x 2"
R.S. P.O.D @ 6" PERIMETER TO 8' IN FIELD.

LSTA18 SIMPSON STRAPS INSTALLED FROM WALL STUD TO
FLOOR JOIST AT OPENING STUDS AND 16" O.C. PER
MANUFACTURERS INSTALLATION INSTRUCTIONS (TYPICAL
SIDEWALL & ENDWALLS)

INSULATION:
CEILING = R-33
WALLS = R-19
FLOOR = R-11

(2004 FBC WITH 2006 SUPPLEMENTS)



ROOF COVERING OVER 1/2" OSB RATED SHEATHING.
MINIMUM EXP. - 1, 240. (FASTEN 3" ON EDGE TO 8" O.C.
IN FIELD) WITH 1/2" x 1 1/2" 15 GA. STAPLE (130 MPH)
SHINGLES PER MANUFACTURERS INSTALLATION INSTRUCTIONS
(FASTENING) CORROSION RESISTANT .120 x 1" SHINGLE
NAL PD

DETAIL A-A

EXTERIOR WALL FINISH (VINYL SIDING)
1/2" x 1 1/2" x 16 GA. PER M.I.

EXTERIOR WALL STRUCTURAL BRACING:
BRACING INSTRUCTIONS:

STRUCTURAL SHEATHING THAT SHALL EXTEND CONTINUOUSLY
FROM TOP TO BOTTOM PLATE WITH ALL SHEATHING EDGES
EXTENDING 3" MINIMUM OVER 2" NOMINAL LUMBER OF THE SAME
SIZE AND GRADE AS EXTERIOR WALL FRAMING. BRACING SHALL
BE LOCATED AS CLOSE TO EACH CORNER OF BUILDING AS
POSSIBLE.

BRACING MATERIAL:

3" MIN. • APA RATED SHEATHING EXP. 1, (SEE SHEARWALL CALC.)
FLOORPLAN NOTES FOR SHEATHING FASTENING SPECS.
ENDWALLS 3" OSB SHEATHING

BRACING INSTRUCTIONS:

STRUCTURAL SHEATHING THAT SHALL EXTEND CONTINUOUSLY
FROM TOP OF TRUSS TOP CHORD TO 3" MINIMUM BELOW TOP OF
RIM JOIST WITH ALL SHEATHING EDGES SUPPORTED BY 2"
NOMINAL LUMBER OF THE SAME SIZE AND GRADE AS EXTERIOR
WALL FRAMING.

BRACING MATERIAL:

3" MIN. APA RATED SHEATHING EXP. 1, (SEE SHEARWALL CALCS OR
FLOORPLAN NOTES FOR SHEATHING FASTENING SPECS.

RIM JOIST (2) - 2" x 10" SYP #2 (5) PER JOIST
.131 X 3" PD NAILS

GENERAL FIRE BLOCKING:

ALL LOCATIONS SUCH AS PENETRATIONS THRU FLOORS OR
CEILINGS MUST BE FIRE PROOFED USING EITHER
INSULATION OR APPROVED SEALANT.

STANDARD OFF FRAME CROSS-SECTION

E6521M - 32x80-4BR 2Bath

MODULAR
TYPICAL CROSS SECTION
OFF FRAME

Cavalier Home Builders



These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type:
Occupancy:
Allowable No.

Wind Velocity:	130 MPH
Fire Rating of	0 hr
Ext. Walls:	40 PSF
Allow. Floor Load:	1/22/2007
Approval Date:	MFT-3359-3986-3642-E6521M
Manufacturer:	Cavalier Home Builders
Drawn By:	SL
Scale:	9 of 11

APPROVED TRUSSES

- 157'- 2.6/12 MONO - 1T326097R05
- 157'- 4.28/12 HIN. - 1SXS6097Z01
- 157'- 6.26 HIN. COTTAGE - 1T326097R03
- 157'- 6.26 HIN. MONO - 1T0R6097R03
- 177'- 2.31/12 MONO - 1T326097R06
- 177'- 4.28/12 MONO COTT. - 1T326097R07
- 177'- 4.28/12 HIN. COTT. - 1S226097R02
- 177'- 4.28/12 HIN. MONO - 1S226097R03
- 177'- 6.25/12 HIN. MONO - 1T336097R06
- 177'- 6.28/12 HIN. COTT. - 1S226097R02

1.88 SQUARE FEET NET FREE AREA OF ATTIC VENTILATION TO BE PROVIDED BY GABLE AND/OR ROOF VENTS

FASTEN HALVES TOGETHER WITH (1) - #10 x 3" SCREW/ 4" O.C. (ALTERNATE SIDES) SIMPSON LSTA18 STRAPS @ 32" O.C. FASTENED PER MANUFACTURERS INSTALLATION INSTRUCTIONS

DESIGNED TRUSSES @ 16" OR 24" O.C. DESIGNED ROOF TRUSS LOADS:
LIVE LOAD 20 PSF TOP CHORD
DEAD LOAD 10 PSF TOP CHORD
LIVE LOAD 0 PSF BOTTOM CHORD
DEAD LOAD 10 PSF BOTTOM CHORD
TRUSS CALC REF. ROOF SECTION OF CONSTRUCTION MANUAL FOR SEALED TRUSS APPROVALS

2x4 blocking required at decking seams. The blocking is required for 14'-0" from the overhang.

OPTIONAL 7/12" (NOMINAL)
STANDARD 3/12" (NOMINAL)

FASTEN HALVES TOGETHER WITH #10 x 3" SCREW 32" O.C. (ALTERNATE SIDES) (NOMINAL 3/12" ONLY)

L/M MASTER PLANK (RIDGE BEAM) REF. NO 03-023
FASTEN RIDGE BEAM TO EACH TRUSS WITH NO LESS THAN (8)-7/16" x 2 1/2" x 15 GA. STAPLES OR (6)- 131 x 3" PD NAILS TRUSS KING POST OR EQUIVALENT FASTENING.

ROOF COVERING OVER 7/8" OSB RATED SHEATHING.
MINIMUM EXP. - 1, 240. (FASTEN 3" ON EDGE TO 8" O.C. IN FIELD) WITH 7/8" x 1 1/2" 15 GA. STAPLE (130 MPH) SHINGLES PER MANUFACTURERS INSTALLATION INSTRUCTIONS (FASTENING) CORROSION RESISTANT .120 x 1" SHINGLE NAIL PD

DETAIL A-A

EXTERIOR WALL FINISH (VINYL SIDING)
1/2" x 1 3/4" x 16 GA. PER M.L.
EXTERIOR WALL STRUCTURAL BRACING:
SIDEWALLS 7/8" OR 3/4" OSB SHEATHING
BRACING INSTRUCTIONS:
FROM TOP TO BOTTOM PLATE WITH ALL SHEATHING EDGES EXTENDING 3" MINIMUM OVER 2" NOMINAL LUMBER OF THE SAME SIZE AND GRADE AS EXTERIOR WALL FRAMING. BRACING SHALL BE LOCATED AS CLOSE TO EACH CORNER OF BUILDING AS POSSIBLE.
BRACING MATERIAL:
3/4" MIN. * APA RATED SHEATHING EXP. 1, (SEE SHEARWALL CALCS OR FLOORPLAN NOTES FOR SHEATHING FASTENING SPECS.
ENDWALLS 3/4" OSB SHEATHING

BRACING INSTRUCTIONS:
STRUCTURAL SHEATHING THAT SHALL EXTEND CONTINUOUSLY FROM TOP OF TRUSS TOP CHORD TO 3" MINIMUM BELOW TOP OF RIM JOIST WITH ALL SHEATHING EDGES SUPPORTED BY 2" NOMINAL LUMBER OF THE SAME SIZE AND GRADE AS EXTERIOR WALL FRAMING.

BRACING MATERIAL:

3/4" MIN. APA RATED SHEATHING EXP. 1, (SEE SHEARWALL CALCS OR FLOORPLAN NOTES FOR SHEATHING FASTENING SPECS.
RIM JOIST (2) - 2" x 10" SYP #2 (5) PER JOIST
RIM JOIST (3) PD NAILS
RIM JOIST (1) - 2" x 8" SYP #2 (5) PER JOIST
131 X 3" PD NAILS

CHASSIS TIE DOWN STRAP
@ 6'-0" O.C. MAXIMUM
MAX. (100 & 130 M.P.H.)
ALONG EXTERIOR I-BEAMS
(SEE SET-UP MANUAL)

CROSS SECTION NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY WITH ASTM A36. YIELD STRENGTH = 36 KSI.
2. ALL LAG SCREWS AND BOLTS MUST COMPLY WITH ASTM A307
3. INTERIOR WALLS SHALL BE CONSTRUCTED TO WITHSTAND A HORIZONTAL FORCE OF 5 PSF.

GENERAL FIRE BLOCKING:
ALL LOCATIONS SUCH AS PENETRATIONS THRU FLOORS OR CEILINGS MUST BE FIRE PROOFED USING EITHER INSULATION OR APPROVED SEALANT.

INSULATION:
CEILING = R-33
WALLS = R-19
FLOOR = R-11

(2004 FBC WITH 2006 SUPPLEMENTS)

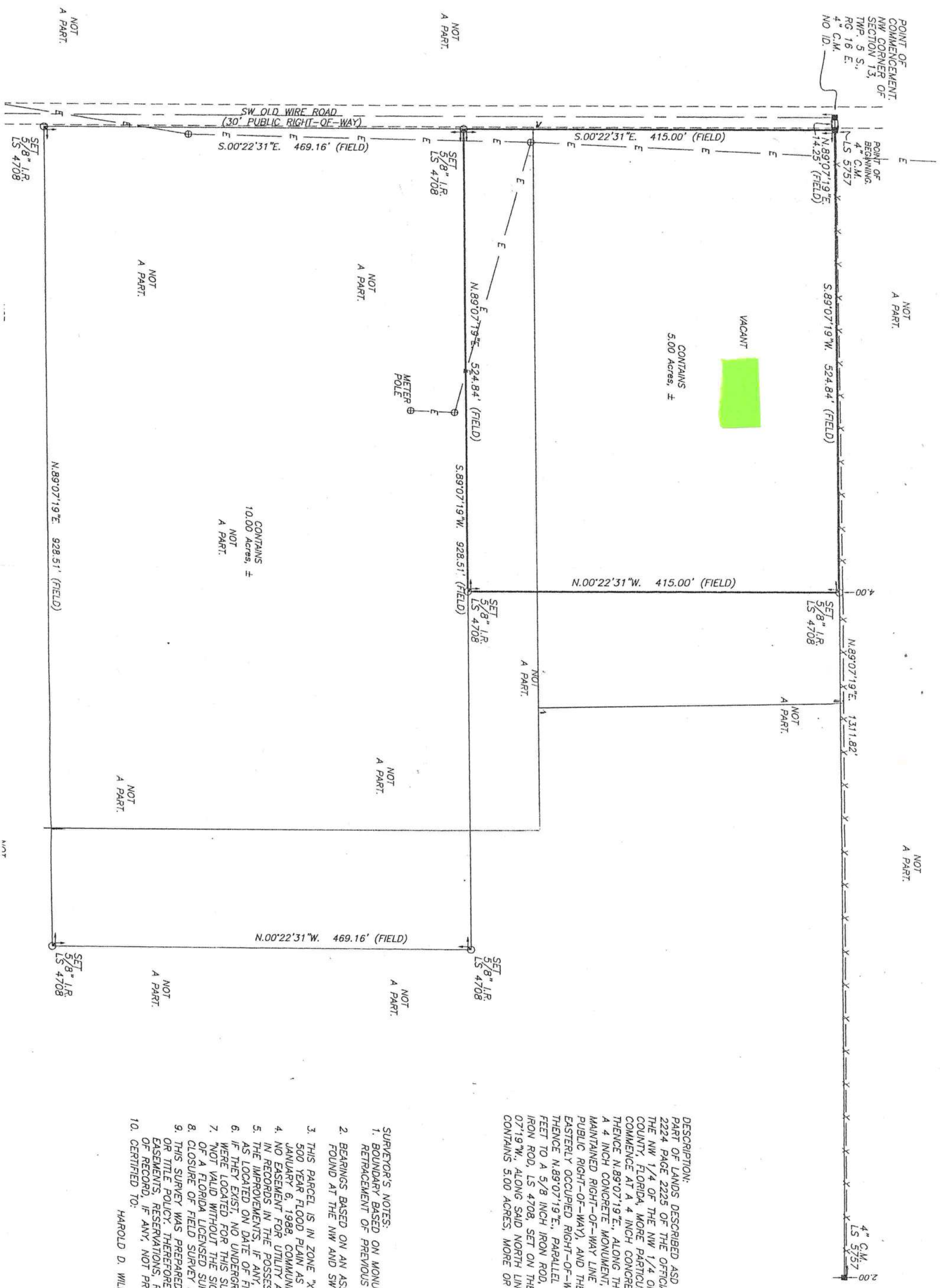
Const. Type:	VB
Occupancy:	One (1)
Allowable No. of Floors:	130 MPH
Wind Velocity:	0 hr
Ext. Walls:	MFT-3359-3986-3642-E6521M
Plan No.:	40 PSF
Allow. Floor Load:	1/22/2007
Approval Date:	Cavaller Home Builders
Manufacturer:	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NIP INC.

[Signature]

E6521M - 32x80-4BR 2Bath	
CODE	N.T.S.
DATE	MODULAR
10 of 11	ON FRAME
Cavaller Home Builders™	



DESCRIPTION:
PART OF LANDS DESCRIBED ASD PARC
2224 PAGE 2225 OF THE OFFICIAL RE
THE NW 1/4 OF THE NW 1/4 OF SEC
COUNTY, FLORIDA, MORE PARTICULARLY
COMMENCE AT A 4 INCH CONCRETE M
THENCE N.89°07'19"E., ALONG THE NO.
A 4 INCH CONCRETE MONUMENT, LS 5
MAINTAINED RIGHT-OF-WAY LINE OF SI
PUBLIC RIGHT-OF-WAY), AND THE POL
EASTERLY OCCUPIED RIGHT-OF-WAY LI
THENCE N.89°07'19"E., PARALLEL TO T
FEET TO A 5/8 INCH IRON ROD, LS 4
IRON ROD, LS 4708, SET ON THE NOF
07°19"W., ALONG SAID NORTH LINE, 52
CONTAINS 5.00 ACRES, MORE OR LESS

1. BOUNDARY BASED ON MONUMENT. RETRACEMENT OF PREVIOUS SURP
 2. BEARINGS BASED ON AN ASSUME, FOUND AT THE NW AND SW COR.
 3. THIS PARCEL IS IN ZONE "X" AND 500 YEAR FLOOD PLAN AS PER JANUARY 6, 1988. COMMUNITY P, NO EASEMENT FOR UTILITY AND/C IN RECORDS IN THE POSSESSION THE IMPROVEMENTS. IF ANY, INDIC AS LOCATED ON DATE OF FIELD :
 4. IF THEY EXIST, NO UNDERGROUND WERE LOCATED FOR THIS SURVEY
 5. "NOT VALID WITHOUT THE SIGNATL OF A FLORIDA LICENSED SURVEY"
 6. CLOSURE OF FIELD SURVEY IS BE
 7. THIS SURVEY WAS PREPARED WITH OR TITLE POLICY. THEREFORE EXC EASEMENTS, RESERVATIONS, RESTR OF RECORD, IF ANY, NOT PROVIDE
 8. CERTIFIED TO:
- HAROLD D. WILLIAMS

SITE PLAN
 OWNER: HAROLD AND SYLVIA WILLIAMS
 CONTRACTOR: WILLIAM L. HARPER

