DATE 03/28/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025671

APPLICANT CURTIS WIXON PHONE 752-9206

ADDRESS 288 SE ROSEWOOD CIRCLE LAKE CITY FL 32055

OWNER CURTIS WIXON PHONE 752-9206

ADDRESS 288 SE ROSEWOOD CIRCLE LAKE CITY FL 32055

CONTRACTOR CURTIS WIXON PHONE 752-9206

LOCATION OF PROPERTY BAYA, TR ON PEARL TERR, TR ON ROSEWOOD, PAST FIRST, ROSEWOOD TERR, 9TH LOT ON LEFT

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 7450.00

HEATED FLOOR AREA 149.00 TOTAL AREA 149.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING RMF1 MAX. HEIGHT 8

Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. ____

PARCEL ID 03-4S-17-07592-204 SUBDIVISION EASTSIDE VILLAGE

LOT 4 BLOCK F PHASE ____ UNIT ____ TOTAL ACRES 0.25

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
			Curtis P Wixon

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
	X07-099	BK	JH	N

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 104

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by

Foundation ____ date/app. by

Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by

Slab ____ date/app. by

Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by

Peri. beam (Lintel) ____ date/app. by

Permanent power ____ date/app. by

C.O. Final ____ date/app. by

Culvert ____ date/app. by

M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Pool ____ date/app. by

Reconnection ____ date/app. by

Pump pole ____ date/app. by

Utility Pole ____ date/app. by

M/H Pole ____ date/app. by

Travel Trailer ____ date/app. by

Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 40.00 CERTIFICATION FEE $ 0.74 SURCHARGE FEE $ 0.74

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 116.48

INSPECTORS OFFICE ____ CLERKS OFFICE CN

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

X07-099

For Office Use Only Application # 0703-49 Date Received 3/20/07 By CT Permit # 25671

Application Approved by - Zoning Official BLK Date 27.0307 Plans Examiner OKJTH Date 3-22-07

Flood Zone X Development Permit N/A Zoning RMF-1 Land Use Plan Map Category Res Med. Den.

Comments Existing well

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

Name Authorized Person Signing Permit Curtis L Wixon Phone 752-9206 Fax

Address 288 SE Rosewood Cir

Owners Name Curtis L Wixon Phone 752 9206

911 Address 288 SE Rosewood Cir

Contractors Name Self Phone 752-9206

Address Same

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disaway

Mortgage Lenders Name & Address N/A

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

Property ID Number TAX 03-4S-17-07592-204 Estimated Cost of Construction 10,000

Subdivision Name Eastside Village Lot 4 Block F Unit 2 Phase

Driving Directions Hwy 41, TR on Pearl Terr, TR on Rosewood, past first Rosewood Terr., 9th lot on left.

Type of Construction Addition to SFD Number of Existing Dwellings on Property Circle Rd

Total Acreage 1/4 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front Side 18' Side 41.5' Rear 58'

Total Building Height 8' Number of Stories 1 Heated Floor Area 263 TOTAL 144 Roof Pitch 4/12

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

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

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

Curtis L Wixon

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

GALE TEDDER
MY COMMISSION # DD 33358
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

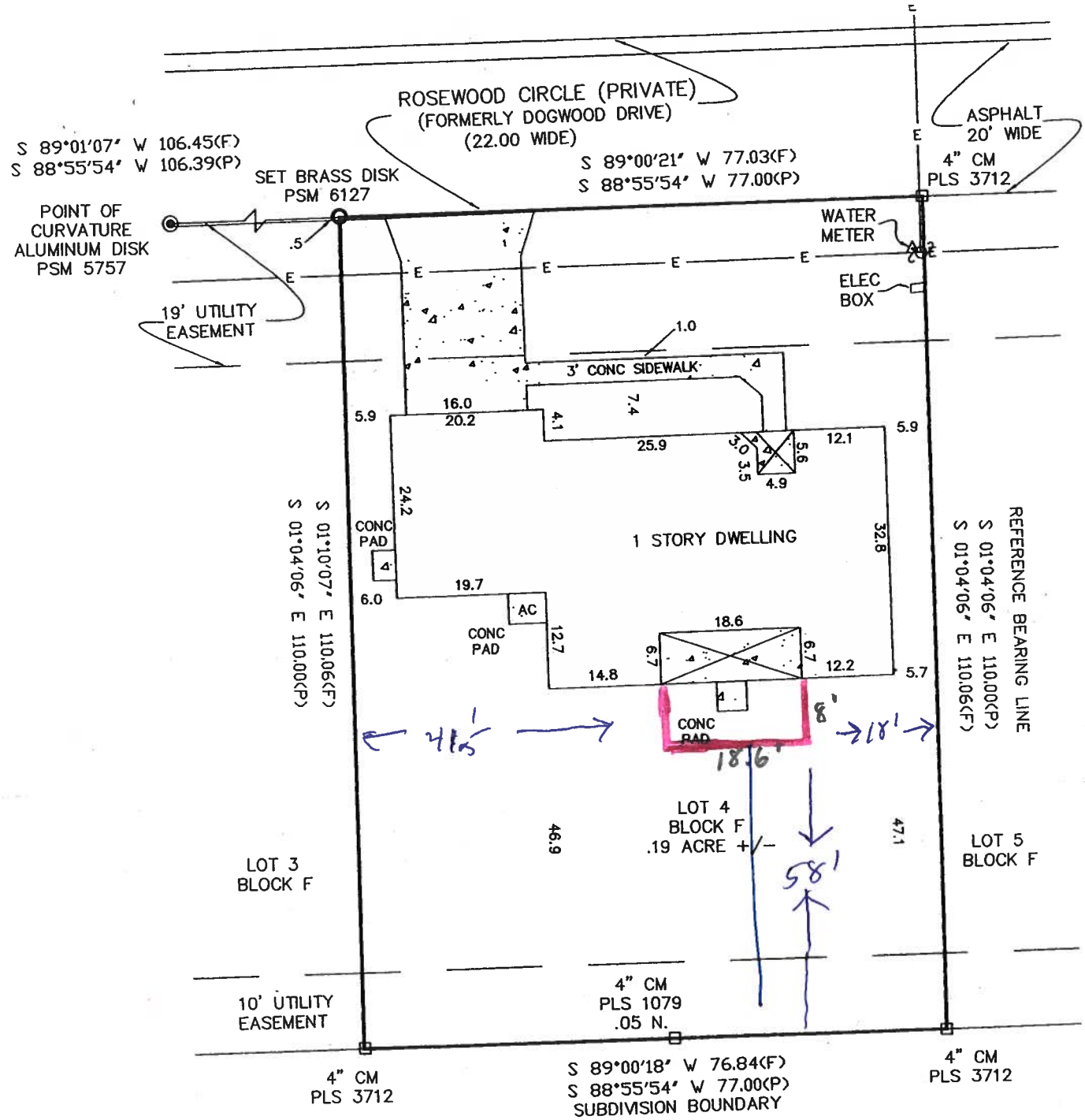
Sworn to (or affirmed) and subscribed before me this 9th day of March 2007.

Personally known ____ or Produced Identification DL

Gale Tedder

Notary Signature

(Revised Sept. 2006)



LEGEND:

- FOUND 4" C
- SET BRASS D
- FOUND DISK
- WELL
- WIRE FIELD FI
- CHAIN LINK F
- WOODEN FENC
- UTILITY POLE
- OVERHEAD EL
- OVERHEAD TE

VIATIONS:

- NORTH
- SOUTH
- EAST
- WEST
- PLAT
- FIELD
- DEED
- CALCULATED
- IRON PIPE
- RADIUS
- CHORD
- BEARING
- ARC LENGTH
- IDENTIFICATION
- CONCRETE MONUMENT
- CONCRETE
- SECTION
- OFFICIAL RECORDS BOOK
- PROFESSIONAL LICENSED SURVEYOR
- PROFESSIONAL SURVEYOR AND MAPPER
- POINT OF CURVATURE

SURVEYOR'S NOTES:

ACCURACY EXCEEDS 1/10,000.

UNDERGROUND IMPROVEMENTS, ENCROACHMENTS, IF EXISTING, WERE NOT LOCATED AS PART OF THIS SURVEY.

A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING TITLE OR BOUNDARY OF THE SUBJECT PROPERTY HAS NOT BEEN PROVIDED. IT IS POSSIBLE THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES.

```
@ CAM112M01     S  CamaUSA Appraisal System                      Columbia County
 3/09/2007 15:19  Legal Description Maintenance      20000  Land  001
Year T Property                          Sel                    AG    000
2007 R 03-4S-17-07592-204 ..... ... ..   94235  Bldg  001
       238 ROSEWOOD CIR                    1104  Xfea  001
HX     WIXON CURTIS L & BEVERLY ANN      115339  TOTAL      B*

  1  LOT 4 BLOCK F EASTSIDE VILLAGE  UNIT 2.. ORB 743-1224,.....   2
  3  771-878,, WD 1051-1422.....  .....   4
  5  .....  .....   6
  7  .....  .....   8
  9  .....  .....  10
 11  .....  .....  12
 13  .....  .....  14
 15  .....  .....  16
 17  .....  .....  18
 19  .....  .....  20
 21  .....  .....  22
 23  .....  .....  24
 25  .....  .....  26
 27  .....  .....  28
                                          Mnt  8/05/2005 KYLIE
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling **( ) Two-Family Residence**
( ) Farm Outbuilding **( ) Other_____**

NEW CONSTRUCTION OR IMPROVEMENT

( ) New Construction **(X) Addition, Alteration, Modification or other Improvement**

I Curtis L Wilson **, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____**

Curtis Wilson 2/27/07
Owner Builder Signature **Date**

IVY DENISE M. BOSE
MY COMMISSION # DD 511387
EXPIRES: May 26, 2010
Bonded Thru Notary Public Underwriters

The above signer is personally known to me or produced identification W250-112-37-377-0

Notary Signature Ivy Denise M. Bose **Date** 2/27/07 **(Stamp / Seal)**

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date_____ Building Official/Representative_____

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 R07 592-204 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
LOT 4 Block F Eastside Village Unit 2 Book 5 Page 137 And 137 A Columbia County, FL

288 SE Rosewood Cir
LAKE City, FL

2. **General description of improvement:** Add a 8'X 18.5' addition to screen room.
3. **Owner Name & Address** Curtis & Beverly Wixon 288 SE Rosewood Circle, LAKE City FL 32025 **Interest in Property** owners
4. **Name & Address of Fee Simple Owner (if other than owner):** _____
5. **Contractor Name** Self Curtis Wixon **Phone Number** 386-752-9206
Address 288 SE Rosewood Cir. LAKE City, FL. 32025
6. **Surety Holders Name** _____ **Phone Number** _____
Address _____
Amount of Bond _____
Inst:2007005792 Date:03/12/2007 Time:11:14
D.C.DC,P.DeWitt Cason,Columbia County B:1113 P:886
7. **Lender Name** _____
Address _____
8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name _____ **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.

Curtis Wixon
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 27th February, **20** 07

NOTARY STAMP/SEAL

IVY DENISE M. BOSE
MY COMMISSION # DD 511387
EXPIRES: May 26, 2010
Bonded Thru Notary Public Underwriters

Ivy Denise M. Bose
Signature of Notary

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	702264WixonCurtis&Beverly	Builder:	
Address:	Lot: 4, Sub: East Side Villa, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL	Permit Number:	25671
Owner:	Wixon Curtis & Beverly Addition	Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing		Addition	
2.	Single family or multi-family		Single family	
3.	Number of units, if multi-family		1	
4.	Number of Bedrooms		0	
5.	Is this a worst case?		No	
6.	Conditioned floor area (ft²)		263 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a.	U-factor:	Description	Area	
	(or Single or Double DEFAULT) 7a.	(Dble, U=0.3)	80.0 ft²	
b.	SHGC:			
	(or Clear or Tint DEFAULT) 7b.	(SHGC=0.5)	96.0 ft²	
8.	Floor types			
a.	Slab-On-Grade Edge Insulation		R=0.0, 35.0(p) ft	
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Frame, Wood, Exterior		R=13.0, 164.0 ft²	
b.	N/A			
c.	N/A			
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic		R=30.0, 263.0 ft²	
b.	N/A			
c.	N/A			
11.	Ducts			
a.	Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 18.0 ft	
b.	N/A			

12.	Cooling systems		
a.	Central Unit	Cap: 6.0 kBtu/hr	
		SEER: 11.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 6.0 kBtu/hr	
		HSPF: 7.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	N/A		
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: 0.37

Total as-built points: 2588

Total base points: 2647

PASS

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

PREPARED BY: Ben Gooch

DATE: 3-8-07

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.

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

BUILDING OFFICIAL: _____

DATE: _____

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

FORM 600A-2004

EnergyGauge® 4.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	263.0	20.04	948.7	Double,U=0.30,SHGC=0.5	E	1.5	4.5	16.0	33.43	0.85	453.6
				Double,U=0.30,SHGC=0.5	S	1.5	5.5	80.0	28.75	0.83	1913.8
				As-Built Total:				**96.0**			**2367.4**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	164.0	1.50		246.0
Exterior	164.0	1.70	278.8								
Base Total:	**164.0**		**278.8**	**As-Built Total:**				**164.0**			**246.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	4.10	82.0								
Base Total:	**20.0**		**82.0**	**As-Built Total:**				**20.0**			**82.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	263.0	1.73	455.0	Under Attic			30.0	263.0	1.73 X 1.00		455.0
Base Total:	**263.0**		**455.0**	**As-Built Total:**				**263.0**			**455.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	35.0(p)	-37.0	-1295.0	Slab-On-Grade Edge Insulation			0.0	35.0(p)	-41.20		-1442.0
Raised	0.0	0.00	0.0								
Base Total:			**-1295.0**	**As-Built Total:**				**35.0**			**-1442.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	263.0	10.21	2685.2					263.0	10.21		2685.2
Summer Base Points:			**3154.7**	**Summer As-Built Points:**							**4393.6**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points		
				(sys 1: Central Unit 6000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)							
3154.7	**0.4266**	**1345.8**		~~4394~~ **4393.6**	~~1.00~~ **1.00**	~~(1.09 x 1.147 x 0.91)~~ **1.138**	~~0.310~~ **0.310**	~~1.000~~ **1.000**	~~1551.0~~ **1551.0**		

FORM 600A-2004 EnergyGauge® 4.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	263.0	12.74	603.1	Double,U=0.30,SHGC=0.5	E	1.5	4.5	16.0	4.08	1.06	69.3
				Double,U=0.30,SHGC=0.5	S	1.5	5.5	80.0	-0.06	1.15	-5.1
				As-Built Total:				**96.0**			**64.1**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	164.0	3.40		557.6
Exterior	164.0	3.70	606.8								
Base Total:	**164.0**		**606.8**	**As-Built Total:**				**164.0**			**557.6**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	8.40	168.0								
Base Total:	**20.0**		**168.0**	**As-Built Total:**				**20.0**			**168.0**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM	=	Points
Under Attic	263.0	2.05	539.1	Under Attic			30.0	263.0	2.05 X 1.00		539.1
Base Total:	**263.0**		**539.1**	**As-Built Total:**				**263.0**			**539.1**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Slab	35.0(p)	8.9	311.5	Slab-On-Grade Edge Insulation			0.0	35.0(p)	18.80		658.0
Raised	0.0	0.00	0.0								
Base Total:			**311.5**	**As-Built Total:**				**35.0**			**658.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points
	263.0	-0.59	-155.2					263.0	-0.59		-155.2
Winter Base Points:			**2073.4**	**Winter As-Built Points:**							**1831.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points		
2073.4	**0.6274**	**1300.8**		(sys 1: Electric Heat Pump 6000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0							
				1831.7	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	1037.0		
				1831.7	**1.00**	**1.162**	**0.487**	**1.000**	**1037.0**		

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
0	2635.00	0.0				0	1.00	2635.00	1.00	7905.0
				As-Built Total:						**0.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
1346	**1301**	**0**	**2647**	**1551**	**1037**	**0**	**2588**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.2

The higher the score, the more efficient the home.

Wixon Curtis & Beverly Addition, Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,

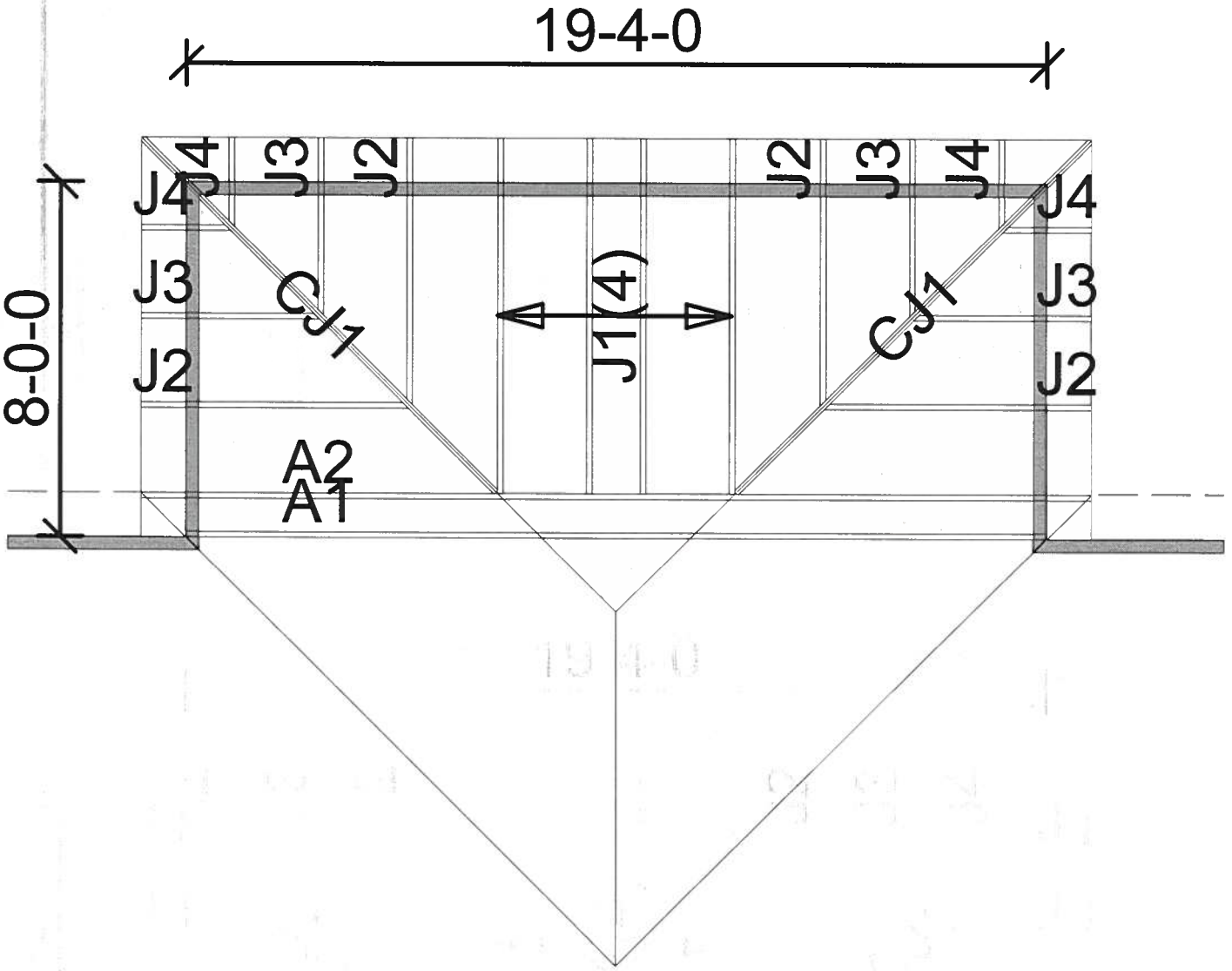
1.	New construction or existing		Addition			
2.	Single family or multi-family		Single family			
3.	Number of units, if multi-family		1			
4.	Number of Bedrooms		0			
5.	Is this a worst case?		No			
6.	Conditioned floor area (ft²)		263 ft²			
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:		Description	Area		
	(or Single or Double DEFAULT)	7a.	(Dble, U=0.3)	80.0 ft²		
b.	SHGC:					
	(or Clear or Tint DEFAULT)	7b.	(SHGC=0.5)	96.0 ft²		
8.	Floor types					
a.	Slab-On-Grade Edge Insulation		R=0.0, 35.0(p) ft			
b.	N/A					
c.	N/A					
9.	Wall types					
a.	Frame, Wood, Exterior		R=13.0, 164.0 ft²			
b.	N/A					
c.	N/A					
d.	N/A					
e.	N/A					
10.	Ceiling types					
a.	Under Attic		R=30.0, 263.0 ft²			
b.	N/A					
c.	N/A					
11.	Ducts					
a.	Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 18.0 ft			
b.	N/A					
12.	Cooling systems					
a.	Central Unit				Cap: 6.0 kBtu/hr	
					SEER: 11.00	
b.	N/A					
c.	N/A					
13.	Heating systems					
a.	Electric Heat Pump				Cap: 6.0 kBtu/hr	
					HSPF: 7.00	
b.	N/A					
c.	N/A					
14.	Hot water systems					
a.	N/A					
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)					

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.*



Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

CURRIS AND BEVERLY WIXON
LOT 4 BLOCK F
EASTSIDE VILLAGE
LAKE CITY,FLA. 32025
110 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2- 0- 0 o.c.

Account: INDIVIDUAL
Job: WIXON-ADD
Designer: M.MURRAY
Checker: M.MURRAY
Date: 03-19-07

Permit Number:_____ Lot Number:_____

Miscellaneous:_____ Address:_____

The information in this box is for administrative purposes only and is not part of the engineering review.

Truss Fabricator:Mayo Truss Company, Inc

Job Reference:WIXON-ADD - WIXON ADDITION

Standard Loading:

T.C. Live	20 psf
T.C Dead	10 psf
B.C Live	0 psf
B.C. Dead	10 psf
Total	40 psf

ROBBINS ENGINEERING, INC.

6904 Parke East Blvd.
Tampa, FL 33610-4115
Phone: (813) 972-1135

Engineering Index Sheet

Index Page 1 of 1

ANSI/ASCE 7-02
Wind Speed - 110 MPH
Mean Roof Ht. - 15 FT
Exposure Catergory - B
Occupancy Factor - 1.00
C and C
Enclosed

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T07031713	03/19/2007		7

A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibilty of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specificstion Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Sofware - Online Plus)

Notes: Refer to individual truss design drawings for special loading conditions.

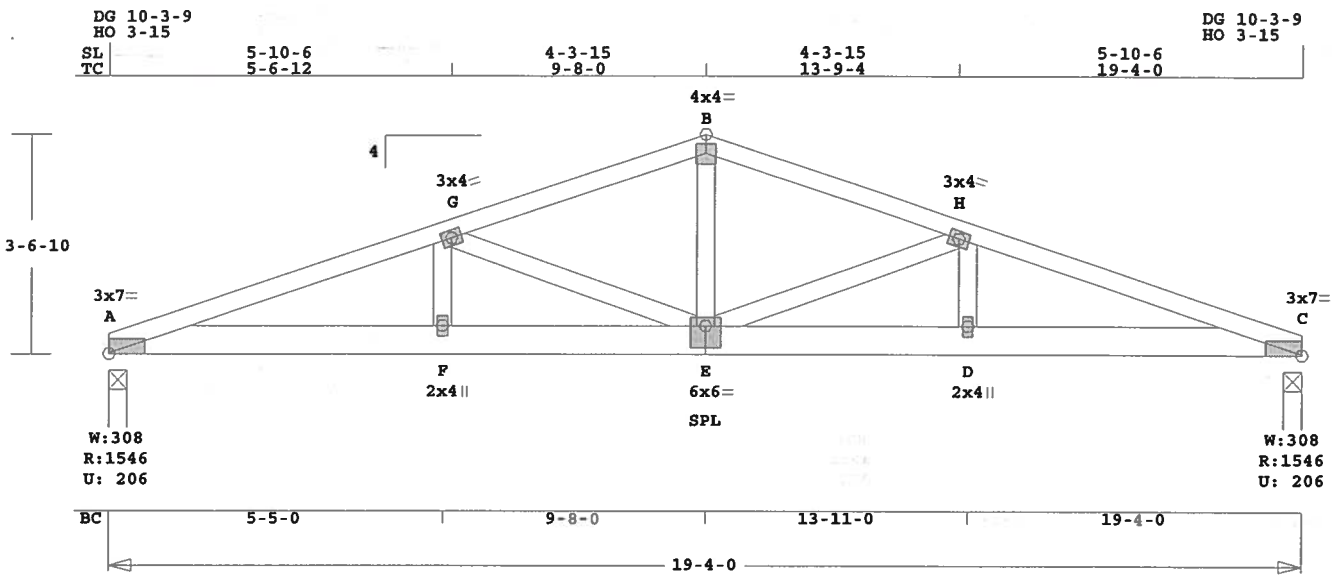
	Date	Mark		Date	Mark		Date	Mark		Date	Mark
1	03/19/07	A1	2	03/19/07	A2	3	03/19/07	CJ1	4	03/19/07	J1
5	03/19/07	J2	6	03/19/07	J3	7	03/19/07	J4			

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	A1	1	TR	190400	4	0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 120.1 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.43	2x 4	SP-#2
BC	0.82	2x 6	SP-#2
WB	0.29	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19- 4- 0
BC	Cont.	0- 0- 0	19- 4- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1547	206 U	42 R
C	1547	206 U	42 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	1.8"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	19.3'
BC V	60	40	0.0'	19.3'

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -G	0.43	3572 C	0.13 0.30
G -B	0.32	2486 C	0.18 0.14
B -H	0.32	2486 C	0.18 0.14
H -C	0.43	3572 C	0.13 0.30
Bottom Chords			
A -F	0.82	3398 T	0.45 0.37
F -E	0.59	3398 T	0.45 0.14
E -D	0.59	3398 T	0.45 0.14
D -C	0.82	3398 T	0.45 0.37
Webs			
F -G	0.09	492 T	
G -E	0.29	1125 C	
E -B	0.24	1317 T	
E -H	0.29	1125 C	
D -H	0.09	492 T	

TL Defl -0.22" in F -E L/999
LL Defl -0.11" in F -E L/999
Shear // Grain in A -F 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 7.0	3.5	1.3	0.97
G	LOCK	3.0x 4.0	Ctr	Ctr	0.61
B	LOCK	4.0x 4.0	Ctr	Ctr	0.67
H	LOCK	3.0x 4.0	Ctr	Ctr	0.61
C	LOCK	3.0x 7.0-3.5	1.3		0.97
F	LOCK	2.0x 4.0	Ctr	Ctr	0.53
E	LOCK	6.0x 6.0	Ctr-1.2		0.84
D	LOCK	2.0x 4.0	Ctr	Ctr	0.53

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

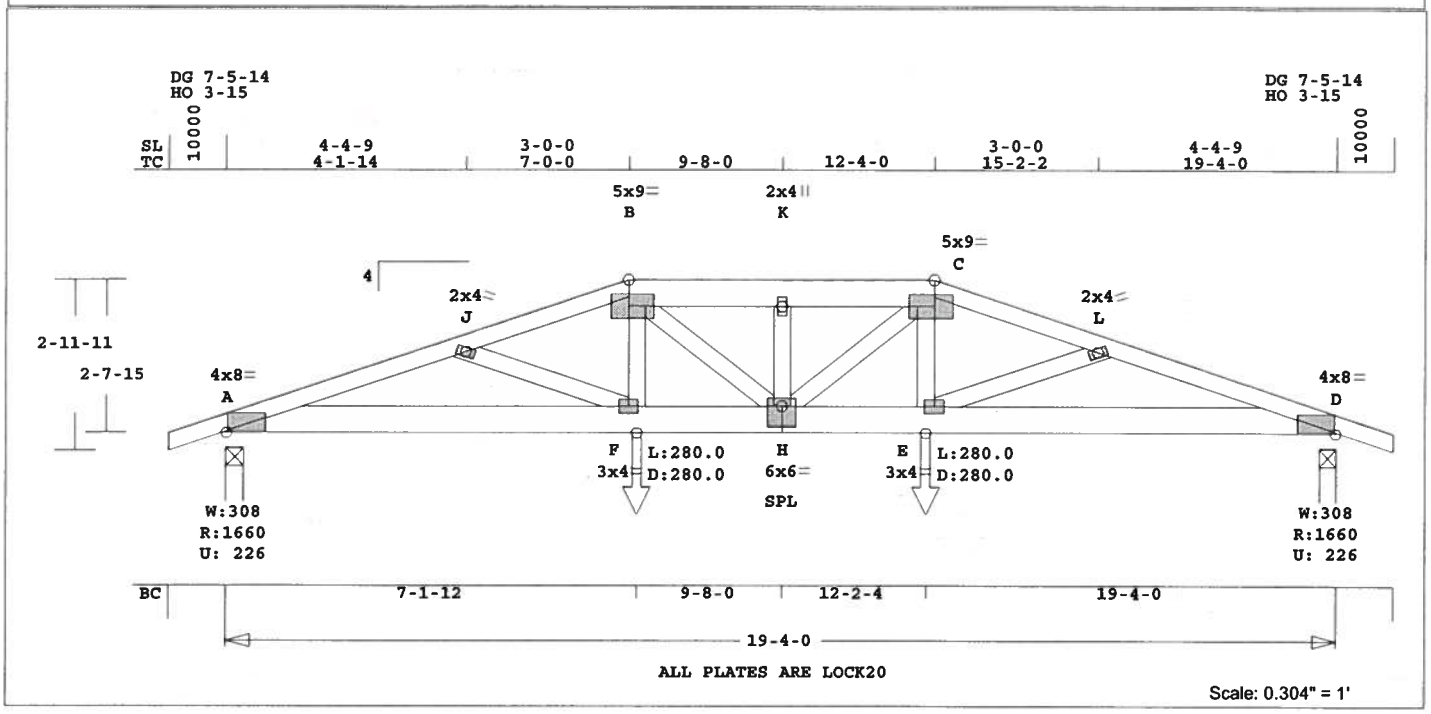
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Common
Loading BC
Span 6- 0- 0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3572 Lbs
Max tens. force 3398 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Scaled: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	A2	1	HIPP	190400	4	1- 0- 0	1- 0- 0	T07031713

U# J#WIXON-ADD WIXON ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 134.8 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
B -C		2x 6	SP-#2
BC	0.80	2x 6	SP-#2
WB	0.14	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19- 4- 0
BC	Cont.	0- 0- 0	19- 4- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1660	226 U	30 R
D	1660	226 U	30 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	19.3'
BC V	20	0	0.0'	19.3'
TC V	25	50	7.0'	12.3'
BC V	25	0	7.1'	12.2'
BC V	280	280	7.1'	CL-LB
BC V	280	280	12.2'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -J	0.41	4276 C	0.30 0.11
J -B	0.56	4155 C	0.14 0.42
B -K	0.30	4535 C	0.23 0.07
K -C	0.30	4535 C	0.23 0.07
C -L	0.56	4155 C	0.14 0.42
L -D	0.41	4276 C	0.30 0.11
--------Bottom Chords---------			
A -F	0.80	4052 T	0.54 0.26
F -H	0.66	3938 T	0.52 0.14
H -E	0.66	3938 T	0.52 0.14
E -D	0.80	4052 T	0.54 0.26
------------Webs------------			
J -F	0.02	184 T	
F -B	0.11	620 T	
B -H	0.14	766 T	
H -K	0.06	656 C	
H -C	0.14	766 T	
E -C	0.11	620 T	
E -L	0.02	184 T	

TL Defl -0.33" in H -E L/691
LL Defl -0.16" in H -E L/999
Shear // Grain in B -K 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 8.0	4.2	1.8	1.00
J	LOCK	2.0x 4.0	Ctr	Ctr	0.38
B	LOCK	5.0x 9.0	-1.0	Ctr	0.92
K	LOCK	2.0x 4.0	Ctr	Ctr	0.42
C	LOCK	5.0x 9.0	1.0	Ctr	0.92
L	LOCK	2.0x 4.0	Ctr	Ctr	0.37
D	LOCK	4.0x 8.0	-4.2	1.8	1.00
F	LOCK	3.0x 4.0	Ctr	Ctr	0.51
H	LOCK	6.0x 6.0	Ctr	-1.2	0.68
E	LOCK	3.0x 4.0	Ctr	Ctr	0.51

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

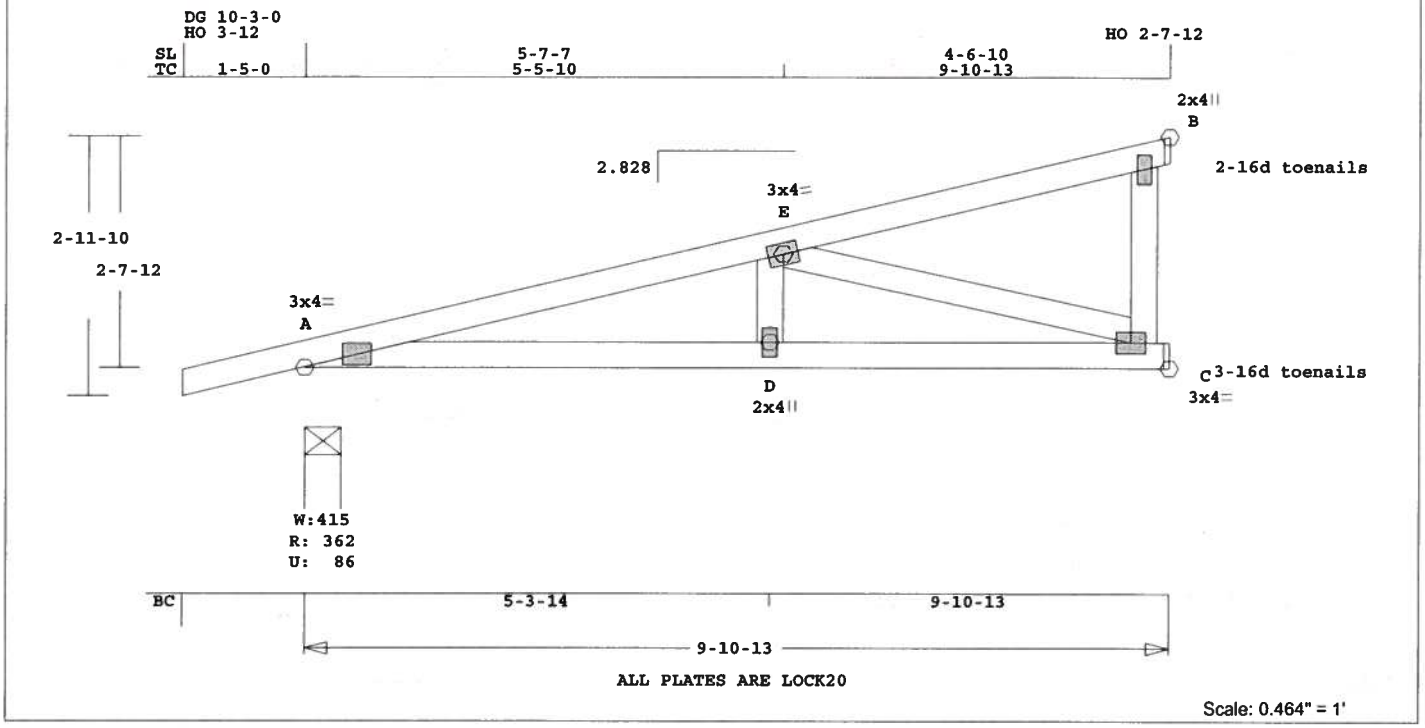
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4535 Lbs
Max tens. force 4052 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	CJ1	2	MONO.DD	91013	2.828	1- 5- 0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.3 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.29	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10-13
BC	Cont.	0- 0- 0	9-10-13

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	363	86 U	63 R
C	350	14 U	
B	234	95 U	86 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	9.9'
BC V	20	0	0.0'	9.9'
TC V	-20	-40	0.0'	
	22	45		9.9'
BC V	-20	0	0.0'	
	22	0		9.9'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -E	0.29	879 C	0.06 0.23
E -B	0.33	52 T	0.00 0.33
Bottom Chords			
A -D	0.23	867 T	0.10 0.13
D -C	0.29	867 T	0.10 0.19
Webs			
D -E	0.03	232 T	
E -C	0.22	904 C	
C -B	0.02	0 T	WindLd

TL Defl -0.04" in A -D L/999
LL Defl -0.02" in A -D L/999
Shear // Grain in E -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.70
E	LOCK	3.0x 4.0	Ctr	Ctr	0.48
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	3.0x 4.0	Ctr	Ctr	0.57

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 904 Lbs
Max tens. force 867 Lbs
Quality Control Factor 1.25

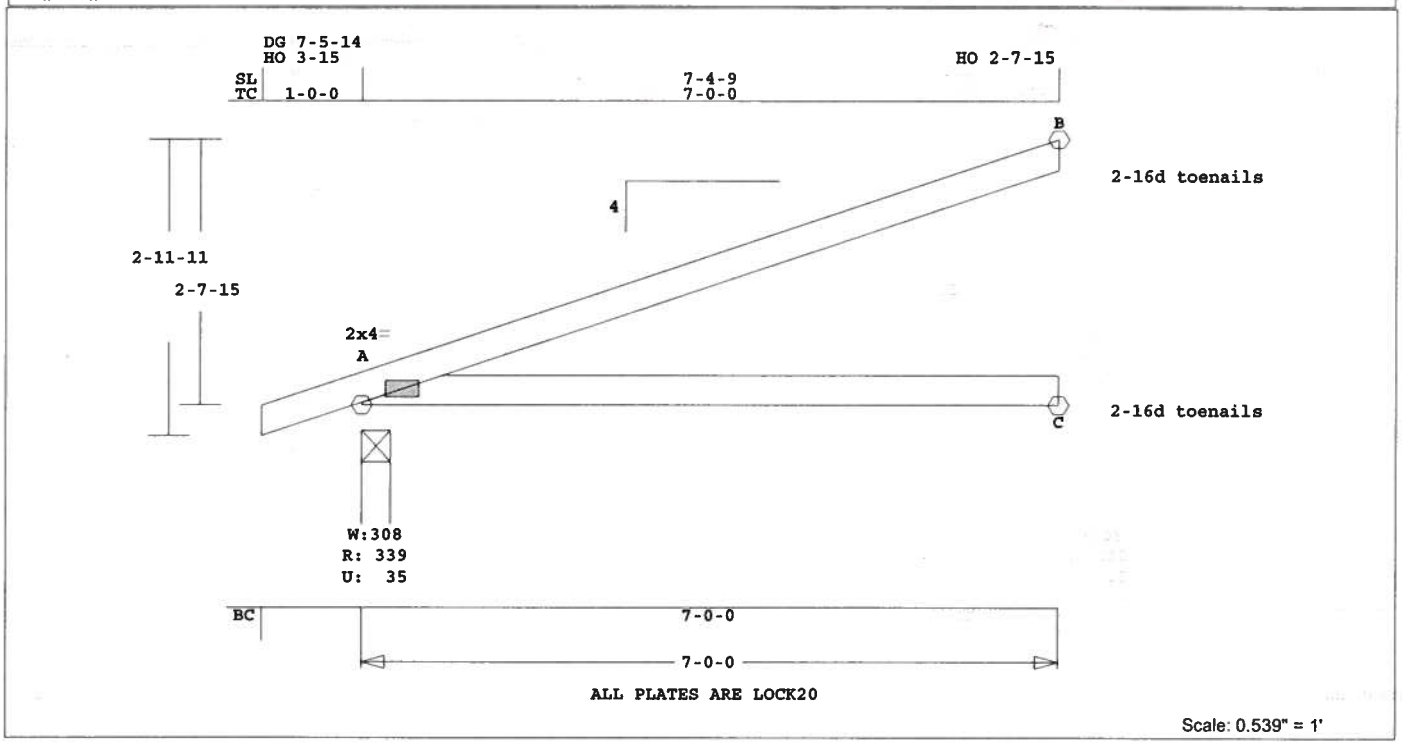
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

PHILIP J. O'REGAN LICENSE No. 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date Scaled: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	J1	4	JCA2	70000	4	1- 0- 0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 29.3 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.47	2x 4	SP-#2
BC	0.35	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	340	35 U	187 R
C	130		
B	195	70 U	48 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.47	102 C	0.00 0.47
--------Bottom Chords---------			
A -C	0.35	0 T	0.00 0.35

TL Defl -0.06" in A -C L/999
LL Defl -0.03" in A -C L/999
Shear // Grain in A -B 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr 0.78

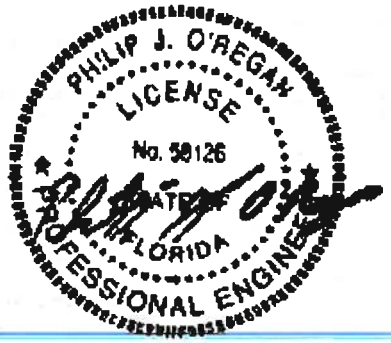
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 102 Lbs
Max tens. force 28 Lbs
Quality Control Factor 1.25

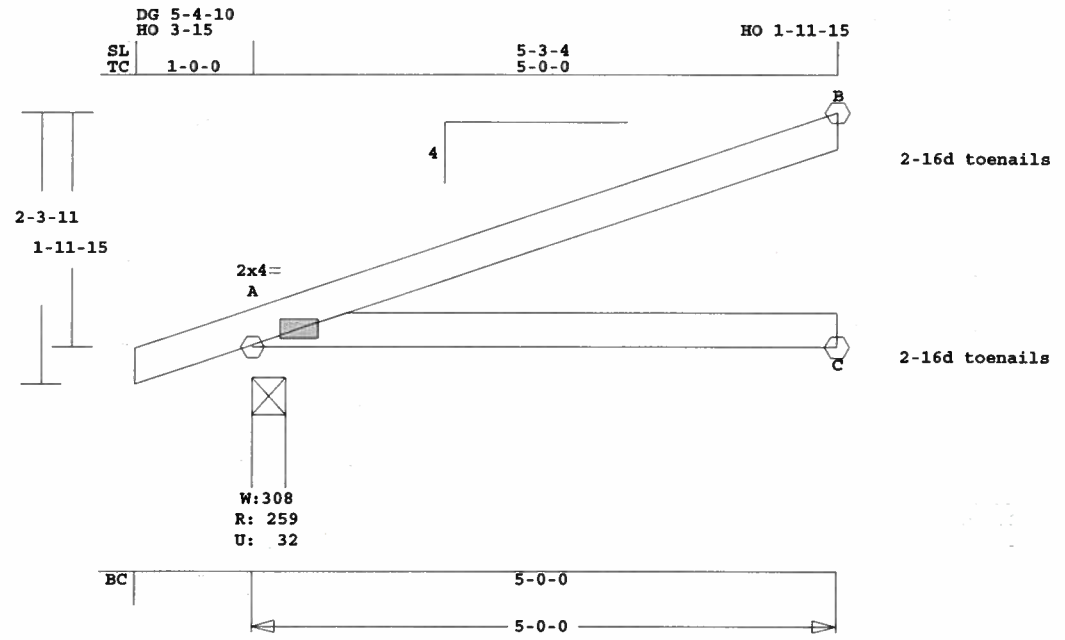
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	J2	4	JCA2	50000	4	1- 0- 0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



ALL PLATES ARE LOCK20

Scale: 0.635" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 21.6 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.26	2x 4	SP-#2
BC	0.21	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 0
BC	Cont.	0- 0- 0	5- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	260	32 U	154 R
C	92		
B	141	50 U	34 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.26	84 C	0.00 0.26
--------Bottom Chords---------			
A -C	0.21	0 T	0.00 0.21

TL Defl -0.02" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.74

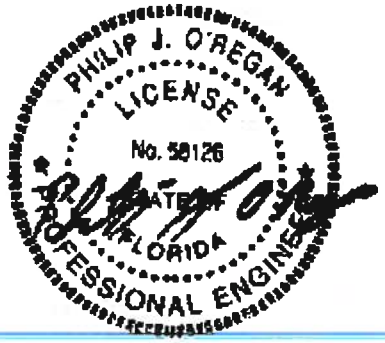
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 84 Lbs
Max tens. force 20 Lbs
Quality Control Factor 1.25

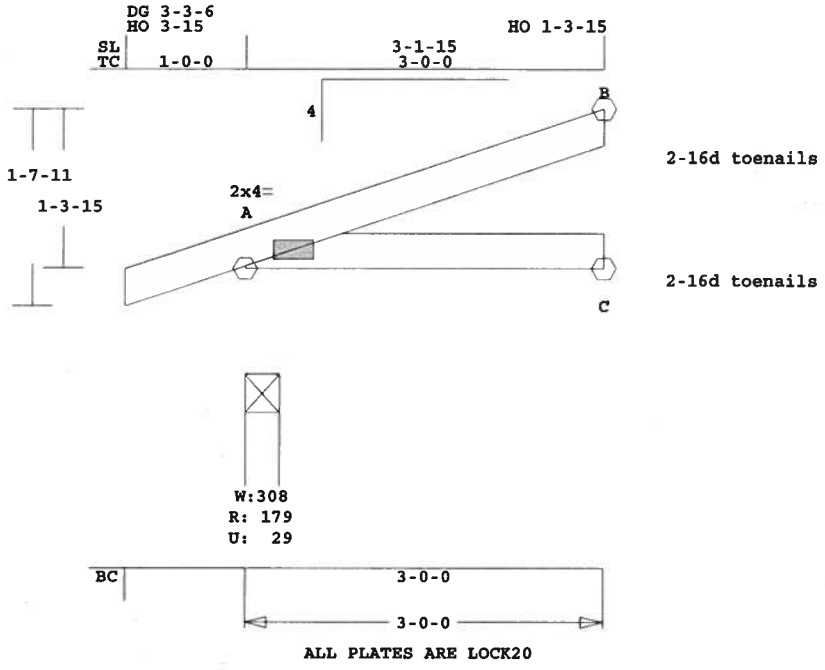
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Scaled: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	J3	4	JCA2	30000	4	1- 0- 0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



ALL PLATES ARE LOCK20

Scale: 0.647" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.8 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2
BC	0.08	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 0
BC	Cont.	0- 0- 0	3- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	179	29 U	108 R
C	54		
B	87	31 U	20 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.08	53 C	0.00 0.08
--------Bottom Chords---------			
A -C	0.08	0 T	0.00 0.08

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.11

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.73

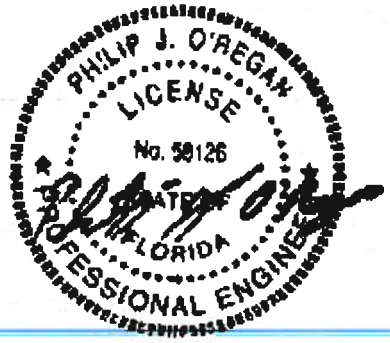
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 53 Lbs
Max tens. force 12 Lbs
Quality Control Factor 1.25

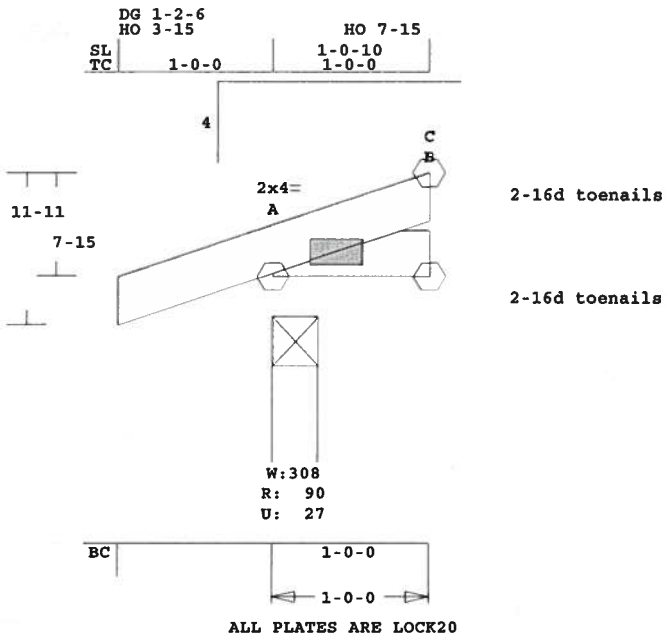
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/19/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
WIXON-ADD	J4	4	JCA2	10000	4	1- 0- 0	0	T07031713

U# J#WIXON-ADD WIXON ADDITION



ALL PLATES ARE LOCK20

Scale: 0.857" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 6.1 LBS

Online Plus -- Version 20.5.036
RUN DATE: 19-MAR-07

	CSI	-Size-	----Lumber----
TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 0- 0
BC	Cont.	0- 0- 0	1- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	91	27 U	30 R
C	44	6 U	
B	5	2 U	6 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	5 T	
--------Bottom Chords---------			
A -C	0.00	0 T	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in B -B 0.01

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.73

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3 Lbs
Max tens. force 5 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 3/19/2007

Door

FLORIDA DEPARTMENT OF Community Affairs

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Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL4940
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Masonite International
Address/Phone/Email	One North Dale Mabry Suite 950 Tampa, FL 33609 (615) 441-4258 sschreiber@masonite.com
Authorized Signature	Steve Schreiber sschreiber@masonite.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institut
Referenced Standard and Year (of Standard)	**Standard** ASTM E1300 ASTM E1300

TAS 201
TAS 202
TAS 203

Equivalence of Product Standards Certified By

Sections from the Code — Section 2612 HVHZ PI

Product Approval Method — Method 1 Option A

Date Submitted — 07/29/2005
Date Validated — 09/27/2005
Date Pending FBC Approval — 08/14/2005
Date Approved — 10/06/2005

Summary of Products

FL #	Model, Number or Name	Description
4940.1	Metal-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Single
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 3'-0" x 6'-8" max nominal size. Max DP = +/- 76.0. When large missile impact resistance is required, hurricane protective system is NOT required. See installation drawing DWG-MA-FL0132-05 for additional information.		**Certification Agency Certifica** **Installation Instructions** PTID_4940_I_Install 68 ME Gla PTID_4940_I_Install 68 ME Opa PTID_4940_I_Install 80 ME Gla PTID_4940_I_Install 80 ME Opa Verified By:
4940.2	Metal-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Door
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. Max DP = +/- 55.0.		**Certification Agency Certifica** **Installation Instructions** Verified By:

When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See installation drawing DWG-MA-FL0132-05 for additional information.		
4940.3	Metal-edge Steel Side-Hinged Door Units	8'-0" Opaque I/S and O/S Door
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. Max DP = +/- 48.3. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See installation drawing DWG-MA-FL0133-05 for additional information.		**Certification Agency Certifica** **Installation Instructions** Verified By:
4940.4	Metal-edge Steel Side-Hinged Door Units	6'-8" Glazed I/S and O/S Door w
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. Max DP = +/- 50.5. When large missile impact resistance is required, hurricane protective system is required. See installation drawing DWG-MA-FL0134-05 for additional information.		**Certification Agency Certifica** **Installation Instructions** Verified By:
4940.5	Metal-edge Steel Side-Hinged Door Units	8'-0" Glazed I/S and O/S Door
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 6'-0"		**Certification Agency Certifica** **Installation Instructions** Verified By:

x 8'-0" max nominal size. Max DP = +43.0 / -45.0. When large missile impact resistance is required, hurricane protective system is required. See installation drawing DWG-MA-FL0135-05 for additional information.	

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

FLORIDA DEPARTMENT OF
Community Affairs

Community Affairs

Product Approval

USER: Public User

FL #	FL7673
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer Address/Phone/Email	Alenco 615 Carson Bryan, TX 77802 (979) 779-7770 ext 343 mkoppers@alenco.com
Authorized Signature	Martin Koppers mkoppers@alenco.com
Technical Representative Address/Phone/Email	Martin Koppers 615 Carson St. Bryan, TX 77802 mkoppers@alenco.com
Quality Assurance Representative Address/Phone/Email	
Category	Windows
Subcategory	Horizontal Slider
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute,
Referenced Standard and Year (of	**Standard**

Standard)	AAMA / NWWDA 101/IS 2
Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	10/06/2006
Date Validated	11/17/2006
Date Pending FBC Approval	11/17/2006
Date Approved	12/06/2006

Summary of Products

FL #	Model, Number or Name	Description
7673.1	3724FL	Horizontal Sliders
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +25 /-45 **Other:** 3724FL 6'0"X4'0" HS-R25/DP45 - 3/32" annealed glass per ASTM E 1300-02		**Certification Agency Certificate** FL7673_R0_C_CAC_3724FL HS R25 D **Installation Instructions** FL7673_R0_II_FL INSTALLATION INSTRUCTIONS - 3724FL, 4720FL.pdf Verified By: National Accreditation & Management Institute,
7673.2	3724N	Horizontal Sliders
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +25 /-35 **Other:** 3724N - 5'9" X 4'0" HS-R25/DP-35 - Single Strength annealed glass per ASTM E 1300-02		**Certification Agency Certificate** FL7673_R0_C_CAC_3724N HS R 25 DI **Installation Instructions** FL7673_R0_II_3724N installation instructions.pdf Verified By: National Accreditation & Management Institute,
7673.3	3724N	Horizontal Sliders
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +30 /-50 **Other:** 3724N 3'11"X2'11" HS-R30 / DP50 - Single Strength annealed glass per ASTM E1300-02		**Certification Agency Certificate** FL7673_R0_C_CAC_3724N HS R30 DP **Installation Instructions** FL7673_R0_II_3724N installation instructions.pdf Verified By: National Accreditation & Management Institute,
7673.4	4720F	Horizontal Sliders
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50 /-67		**Certification Agency Certificate** FL7673_R0_C_CAC_4720F HS R-50.pdf **Installation Instructions** FL7673_R0_II_4720F 4730F Installatio Instructions.pdf

Other: 4720F 6'0"X4'0" HS-R50/DP-67 1/8" annealed glass - smaller units to comply with ASTM E 1300-02	Verified By: National Accreditation & Management Institute,

7673.5	4730F	Horizontal Sliders
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +30 /-30 **Other:** 4730F 9'11"X4'11" HS-R30 - 1/8" annealed glass - smaller units to comply with ASYM E1300-02		**Certification Agency Certificate** FL7673_R0_C_CAC_4730F R-30.pdf **Installation Instructions** FL7673_R0_II_4720F 4730F Installatic Instructions.pdf Verified By: National Accreditation & Management Institute,

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

Residential System Sizing Calculation

Summary

Wixon Curtis & Beverly Addition

Lake City, FL

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

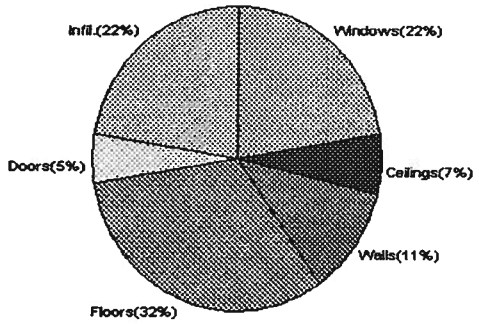
3/8/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**4739**	**Btuh**	**Total cooling load calculation**	**5154**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	126.6	6000	Sensible (SHR = 0.75)	116.4	4500
Heat Pump + Auxiliary(0.0kW)	126.6	6000	Latent	116.6	1500
			Total (Electric Heat Pump)	116.4	6000

WINTER CALCULATIONS

Winter Heating Load (for 263 sqft)

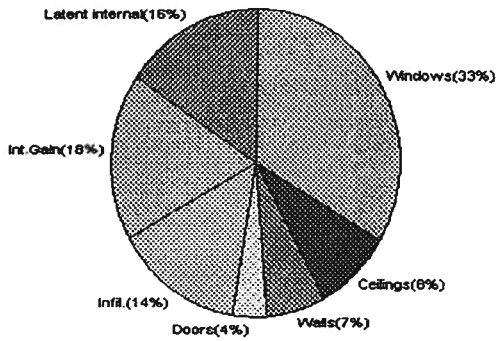
Load component			Load	
Window total	96	sqft	1066	Btuh
Wall total	164	sqft	539	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	263	sqft	310	Btuh
Floor total	35	sqft	1528	Btuh
Infiltration	26	cfm	1038	Btuh
Duct loss			0	Btuh
Subtotal			**4739**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**4739**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 263 sqft)

Load component			Load	
Window total	96	sqft	1726	Btuh
Wall total	164	sqft	342	Btuh
Door total	20	sqft	196	Btuh
Ceiling total	263	sqft	436	Btuh
Floor total			0	Btuh
Infiltration	13	cfm	248	Btuh
Internal gain			920	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**3867**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			486	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			800	Btuh
Total latent gain			**1286**	**Btuh**
TOTAL HEAT GAIN			**5154**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: [signature]
DATE: 3-8-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Wixon Curtis & Beverly Addition

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/8/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	E	16.0	11.1	178 Btuh
2	2, SHGC=0.5, Metal, 0.30	S	80.0	11.1	888 Btuh
	Window Total		96(sqft)		1066 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	164	3.3	539 Btuh
	Wall Total		164		539 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	263	1.2	310 Btuh
	Ceiling Total		263		310Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	35.0 ft(p)	43.7	1528 Btuh
	Floor Total		35		1528 Btuh
			Zone Envelope Subtotal:		3701 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	1.29	1192	25.6	1038 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**4739 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	4739 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	4739 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

ixon Curtis & Beverly Addition

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

ke City, FL

ference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/8/2007

mponent Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	E	16.0	11.1	178 Btuh
2	2, SHGC=0.5, Metal, 0.30	S	80.0	11.1	888 Btuh
	Window Total		96(sqft)		1066 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	164	3.3	539 Btuh
	Wall Total		164		539 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	263	1.2	310 Btuh
	Ceiling Total		263		310Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	35.0 ft(p)	43.7	1528 Btuh
	Floor Total		35		1528 Btuh
			Zone Envelope Subtotal:		3701 Btuh
nfiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	1.29	1192	25.6	1038 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
:one #1			**Sensible Zone Subtotal**		**4739 Btuh**

OLE HOUSE TOTALS

	Subtotal Sensible	4739 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	4739 Btuh

Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Wixon Curtis & Beverly Addition
Lake City, FL

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 3/8/2007

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, SHGC=0.5, 0.30, None,0.45,N	E	1.5ft.	4.5ft.	16.0	3.0	13.0	16	33	472 Btuh
2	2, SHGC=0.5, 0.30, None,0.45,N	S	1.5ft.	5.5ft.	80.0	0.0	80.0	16	16	1254 Btuh
	Window Total				96 (sqft)					1726 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	164.0	2.1	342 Btuh
	Wall Total		164 (sqft)		342 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	263.0	1.7	436 Btuh
	Ceiling Total		263 (sqft)		436 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	35 (ft(p))	0.0	0 Btuh
	Floor Total		35.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	2700 Btuh

Infiltration	Type	ACH		Volume(cuft)		CFM=	Load
	SensibleNatural	0.67		1192		13.3	248 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		4	X	230	+	0	920 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0 Btuh
					Sensible Zone Load		**3867 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Wixon Curtis & Beverly Addition

Lake City, FL

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

3/8/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**3867 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**3867 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**3867 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	486 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**1286 Btuh**
	TOTAL GAIN	**5154 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Wixon Curtis & Beverly Addition

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 3/8/2007

Component Loads for Zone #1: Main

	Type*	Overhang	Window Area(sqft)	HTM	Load
Window	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len Hgt	Gross Shaded Unshaded	Shaded Unshaded	
1	2, SHGC=0.5, 0.30, None,0.45,N E	1.5ft. 4.5ft.	16.0 3.0 13.0	16 33	472 Btuh
2	2, SHGC=0.5, 0.30, None,0.45,N S	1.5ft. 5.5ft.	80.0 0.0 80.0	16 16	1254 Btuh
	Window Total		96 (sqft)		1726 Btuh
Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	164.0	2.1	342 Btuh
	Wall Total		164 (sqft)		342 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	263.0	1.7	436 Btuh
	Ceiling Total		263 (sqft)		436 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	35 (ft(p))	0.0	0 Btuh
	Floor Total		35.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		2700 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.67	1192	13.3	248 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		4	X 230 +	0	920 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**3867 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Wixon Curtis & Beverly Addition

Lake City, FL

Project Title:
702264WixonCurtis&Beverly

Class 3 Rating
Registration No. 0
Climate: North

3/8/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**3867 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**3867 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**3867 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	486 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**1286 Btuh**
	TOTAL GAIN	**5154 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Wixon Curtis & Beverly Addition

Lake City, FL

Project Title:
702264WixonCurtis&Beverly

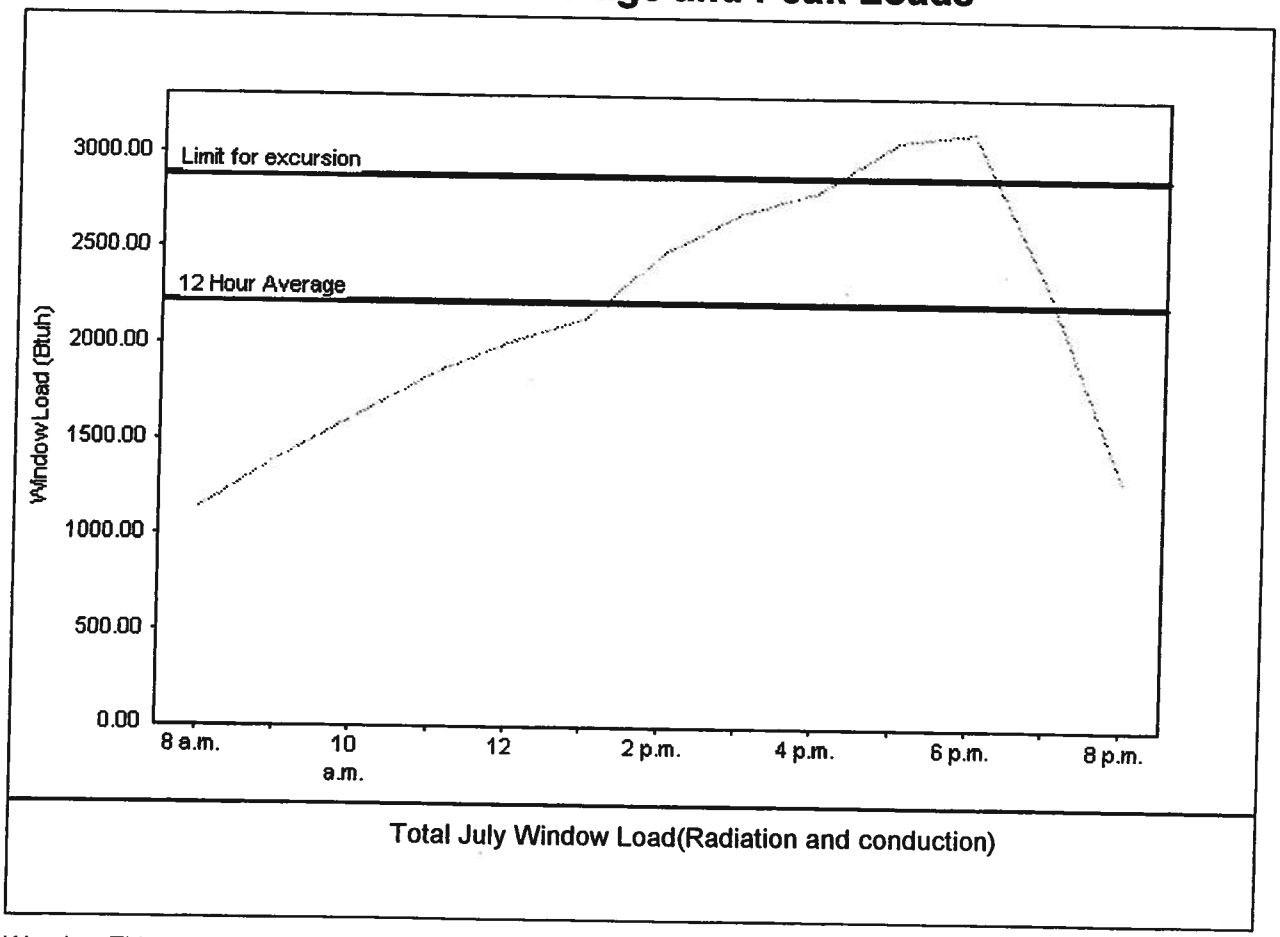
Class 3 Rating
Registration No. 0
Climate: North

3/8/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	2220 Btuh
Summer setpoint	75 F	Peak window load for July	3124 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	2886 Btuh
Latitude	29 North	Window excursion (July)	239 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 3-8-07

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**702264WixonCurtis&Beverly**	Builder:	
Address:	**Lot: 4, Sub: East Side Villa, Plat:**	Permitting Office:	
City, State:	**Lake City, FL**	Permit Number:	
Owner:	**Wixon Curtis & Beverly Addition**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	Addition		
2. Single family or multi-family	Single family		
3. Number of units, if multi-family	1		
4. Number of Bedrooms	0		
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	263 ft²		
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	7a. Description (Dble, U=0.3)	Area 80.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (SHGC=0.5)	96.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 35.0(p) ft		
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 164.0 ft²		
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 263.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 18.0 ft		
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 6.0 kBtu/hr	
	SEER: 11.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 6.0 kBtu/hr	
	HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. N/A		
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: 0.37 Total as-built points: 2588 Total base points: 2647 **PASS**

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

PREPARED BY: Ben Smith

DATE: 3-8-07

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: _____

DATE: _____

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: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	263.0	20.04	948.7	Double,U=0.30,SHGC=0.5	E	1.5	4.5	16.0	33.43	0.85	453.6
				Double,U=0.30,SHGC=0.5	S	1.5	5.5	80.0	28.75	0.83	1913.8
				As-Built Total:				**96.0**			**2367.4**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	164.0	1.50		246.0
Exterior	164.0	1.70	278.8								
Base Total:	**164.0**		**278.8**	**As-Built Total:**				**164.0**			**246.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	4.10	82.0								
Base Total:	**20.0**		**82.0**	**As-Built Total:**				**20.0**			**82.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	263.0	1.73	455.0	Under Attic			30.0	263.0	1.73 X 1.00		455.0
Base Total:	**263.0**		**455.0**	**As-Built Total:**				**263.0**			**455.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	35.0(p)	-37.0	-1295.0	Slab-On-Grade Edge Insulation			0.0	35.0(p)	-41.20		-1442.0
Raised	0.0	0.00	0.0								
Base Total:			**-1295.0**	**As-Built Total:**				**35.0**			**-1442.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	263.0	10.21	2685.2					263.0	10.21		2685.2
Summer Base Points:			**3154.7**	**Summer As-Built Points:**							**4393.6**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points		
				(sys 1: Central Unit 6000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)							
				4394	1.00	(1.09 x 1.147 x 0.91)	0.310	1.000	1551.0		
3154.7	**0.4266**	**1345.8**		**4393.6**	**1.00**	**1.138**	**0.310**	**1.000**	**1551.0**		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	263.0	12.74	603.1	Double,U=0.30,SHGC=0.5	E	1.5	4.5	16.0	4.08	1.06	69.3	
				Double,U=0.30,SHGC=0.5	S	1.5	5.5	80.0	-0.06	1.15	-5.1	
				As-Built Total:				**96.0**			**64.1**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	164.0	3.40		557.6	
Exterior	164.0	3.70	606.8									
Base Total:	**164.0**		**606.8**	**As-Built Total:**				**164.0**			**557.6**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0									
Base Total:	**20.0**		**168.0**	**As-Built Total:**				**20.0**			**168.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	263.0	2.05	539.1	Under Attic			30.0	263.0	2.05 X	1.00	539.1	
Base Total:	**263.0**		**539.1**	**As-Built Total:**				**263.0**			**539.1**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Slab	35.0(p)	8.9	311.5	Slab-On-Grade Edge Insulation			0.0	35.0(p)	18.80		658.0	
Raised	0.0	0.00	0.0									
Base Total:			**311.5**	**As-Built Total:**				**35.0**			**658.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points	
	263.0	-0.59	-155.2					263.0	-0.59		-155.2	
Winter Base Points:			**2073.4**	**Winter As-Built Points:**								**1831.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points			
				(sys 1: Electric Heat Pump 6000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0								
2073.4	**0.6274**	**1300.8**		1831.7 **1831.7**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.487 **0.487**	1.000 **1.000**	1037.0 **1037.0**			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
0		2635.00	0.0			0	1.00	2635.00	1.00	7905.0
				As-Built Total:						**0.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
1346	**1301**	**0**	**2647**	**1551**	**1037**	**0**	**2588**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.2

The higher the score, the more efficient the home.

Wixon Curtis & Beverly Addition, Lot: 4, Sub: East Side Villa, Plat: , Lake City, FL,

1.	New construction or existing		Addition	12.	Cooling systems	
2.	Single family or multi-family		Single family		a. Central Unit	Cap: 6.0 kBtu/hr
3.	Number of units, if multi-family		1			SEER: 11.00
4.	Number of Bedrooms		0		b. N/A	
5.	Is this a worst case?		No			
6.	Conditioned floor area (ft²)		263 ft²		c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description	Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.3)	80.0 ft²		a. Electric Heat Pump	Cap: 6.0 kBtu/hr
	b. SHGC:					HSPF: 7.00
	(or Clear or Tint DEFAULT)	7b. (SHGC=0.5)	96.0 ft²		b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation		R=0.0, 35.0(p) ft		c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. N/A	
	a. Frame, Wood, Exterior		R=13.0, 164.0 ft²			
	b. N/A				b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic		R=30.0, 263.0 ft²	15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 18.0 ft		MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ———110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☐	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. *The following information must be shown as per section 1603.1.4 FBC* a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☐	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.
☐ ☐ e) Location and size of skylights
☐ ☐ f) Building height
☐ ☐ e) Number of stories

Floor Plan including:

☐ ☐ a) Rooms labeled and dimensioned.
☐ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
☐ ☐ d) Show safety glazing of glass, where required by code.
☐ ☐ e) Identify egress windows in bedrooms, and size.
☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☐ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☐ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☐ ☐ b) All posts and/or column footing including size and reinforcing
☐ ☐ c) Any special support required by soil analysis such as piling
☐ ☐ d) Location of any vertical steel.

Roof System:

☐ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☐ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☐ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done

☐ ☐ **Private Potable Water**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** **If the project is to be located within the city limits of the Town of Fort White,** prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

Columbia County 9-1-1 Addressing / GIS Department
P.O. Box 1787, Lake City, FL 32056
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

9-1-1 Address Request Form

NOTE: ADDRESS ASSIGNMENT MAY REQUIRE UP TO 10 WORKING DAYS. IF THE ADDRESSING DEPARTMENT NEEDS TO CONDUCT ON SITE GPS LOCATION IDENTIFICATION, ADDITIONAL TIME MAY BE REQUIRED.

Date of Request: _____

Requester Last Name: Wilson

First Name: Curtis

Contact Telephone Number: 386-752-9206

(Cell Phone Number if Provided): _____

Requested for Self: ✓ or Requested for Company: _____
(check one)
If Address is Requested by a Company, Provide Name of Requesting Company:

_____

Parcel Identification Number: ____ - ____ - ____ - ____

If in Subdivision, Provide Name Of Subdivision:

Eastside Village

Phase or Unit Number (if any): 2 Block Number (if any): F

Lot Number: 4

Attach Site Plan or you may use back of Request Form for Site Plan:

Requirements for Site Plan Are Listed on Back of Request From:
(NOTE: Site Plan Does NOT have to be a survey or to scale; FURTHER a Environmental Health Dept. Site Plan showing only a 210 by 210 cutout of a property will NOT suffice for Addressing Requirements.)

Addressing / GIS Department Use Only:

Date Received: _____ Date Assigned: _____

ID Number: _____

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER	CAPITOL	4'X5' HS	
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	MITTEN	D-4½ STRAIGHT LAP	
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMCO	3-TAB	
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	✓		
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

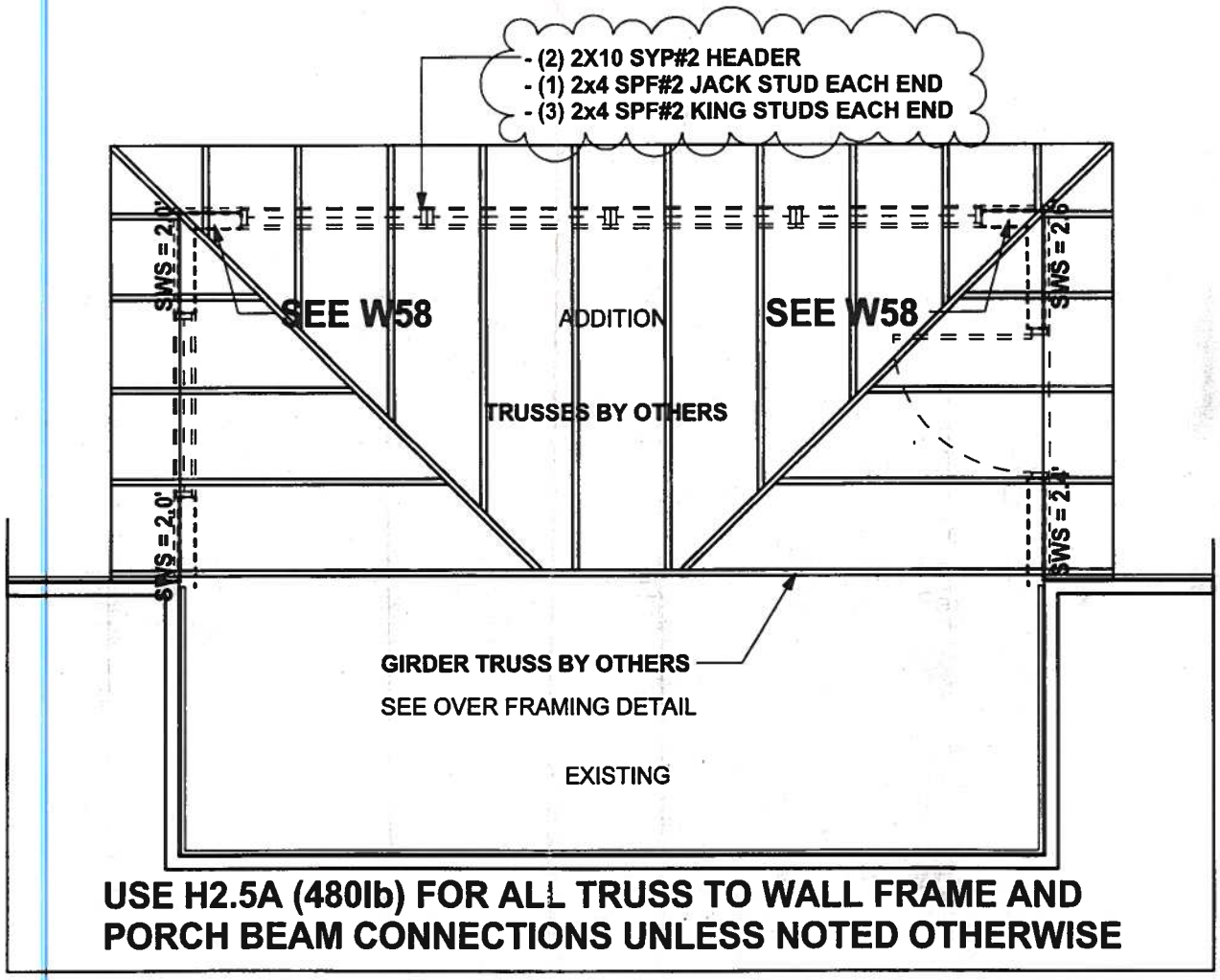
The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

_____

_____

APPLICANT SIGNATURE _____ DATE _____

25671



USE H2.5A (480lb) FOR ALL TRUSS TO WALL FRAME AND PORCH BEAM CONNECTIONS UNLESS NOTED OTHERWISE

STRUCTURAL PLAN

SCALE: 1/4" = 1'-0"

TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	2.0'	2.5'
LONGITUDINAL	8.0'	8.5'

E ROOF) MAX

CURRIS & BEVERLY WIXON

ADDITION

ADDRESS:
Lot 4 Block F, East Side Village, Unit
Lake City FL 32025

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
May 10, 2007

DRAWN BY:	STRUCTURAL BY:
Ben Sparks	Ben Sparks

FINALS DATE:
07 / Mar / 07

JOB NUMBER:
702264

Mark Disosway
10 MAY 07

Freeman Design Group inc

161 NW Madison Street, Suite #102
Lake City, FL. 32025
Tel: 386-758-4209
Fax: 386-758-4290
Cert. Of Auth. # 00008701

Engineers - Planners

Permit Number 25719 Address 373 NW Old Mill Road

Description: Bechard Residence (closet addition)

Foundation 4/23/07 date/app. By Monolithic N/A date/app. By

Under Slab Rough-in Plumbing N/A date/app. By

Slab 4/28/07 date/app. By Sheathing/Nailing 5/7/07 date/app. By

Rough-in plumbing above slab and below wood floor N/A date/app. By

Framing 5/14/07 date/app. By Electrical Rough-in 5/14/07 date/app. By

Heat & Air Duct 5/14/07 date/app. By Peri. Beam (Lintel) N/A date/app. By

Comments:

William H. Freeman
5/15/07

William H. Freeman P.E. #56001

NOTICE OF INSPECTION AND/OR TREATMENT

25671

Date of Inspection
4/2/07

Date of Treatment
Termidor

Pesticide Used
subterranean Termites

Wood-Destroying Organisms Treated

Notice
It is a violation of Florida State Law (Chap. 482.226) for anyone other than the property owner to remove this notice.

Address:
Pestmaster Services of Lake City
879 S.W. Arlington Blvd., Suite 106 • Lake City, FL 32025