Columbia County Building Permit Application

Left message 3/24/06

Revised 9-23-04

For Office Use Only Application # 0602-30 Date Received 2/9/06 By JW Permit # 24574

Application Approved by - Zoning Official BLK Date 15.02.06 Plans Examiner OK JTH Date 3-23-06

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

Comments

- WELL LETTER - NOC

Applicants Name William Grimsley - Sandra Grimsley Phone 752-7561 497-3476

Address 2523 SW Daisy Rd Ft. White, Fla

Owners Name William Grimsley Phone 752-7561

911 Address 3773 SW Wilson Springs Rd. Ft. White, Fla 32038

Contractors Name OWNER BUILDER Phone

Address

Fee Simple Owner Name & Address William & Sandra Grimsley 2523 SW Daisy Rd. Ft. White FLA.

Bonding Co. Name & Address

Architect/Engineer Name & Address Will Meyers

Mortgage Lenders Name & Address - CASH

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

Property ID Number 06-7S-16-04149-703 Estimated Cost of Construction 90,000.

Subdivision Name Wilson Springs Lot 3 Block Unit Phase 2

Driving Directions FROM LAKE CITY 475 to Ft. White - Go over 27 to Ft. White Library & Town Hall - Turn R follow to stop sign - Go left follow to Popes Store. Turn L AND follow around 2 curves, property on corner on right

Type of Construction CBS Number of Existing Dwellings on Property

Total Acreage 1.79 Lot Size 330 X 300 Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 100' ✓ Side 210 ✓ Side 140 ✓ Rear 210' ✓

Total Building Height 26' Number of Stories 1 Heated Floor Area 1491 Roof Pitch 8'12

Porch 116 1607 TS FUR TOTAL 1607

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.

William Grimsley

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 3 day of February 2006.

Personally known ____ or Produced Identification X

Notary Signature

Sandra J. Chavez
Commission # DD298602
Expires March 9, 2008
Bonded Troy Fain - Insurance, Inc. 800-385-7019

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 1/5/2006 **DATE ISSUED:** 1/17/2006

ENHANCED 9-1-1 ADDRESS:

3773 SW WILSON SPRINGS RD

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

06-6S-16-04149-703

Remarks:

LOT 3 WILSON SPRINGS COMMUNITY PAHSE 2

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

12

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

RONNIE BRANNON, CFC
COLUMBIA COUNTY TAX COLLECTOR

2005 REAL ESTATE

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R04149-703		15,036	0	15,036	003

R

0010876 01 AV 0.278 **AUTO T9 0 0810 32038-123

GRIMSLEY WILLIAM & SANDRA
2523 SW DAISY RD
FT WHITE FL 32038-7009

SEE INSERT FOR IMPORTANT INFO
AND TELEPHONE NUMBERS
WWW.COLUMBIATAXCOLLECTOR.COM

06-7S-16 0000/0000 1.79 Acres
AKA LOT 3 WILSON SPRINGS
COMMUNITY PHASE 2 DESC AS
FOLLOWS: COMM AT NW COR OF
SW1/4 OF SEC. RUN S 33.01 FT
TO S R/W OF WILSON SPRINGS RD.

AD VALOREM TAXES

TAXING AUTHORITY		MILLAGE RATE (DOLLARS PER $1,000 OF TAXABLE VALUE)	TAXES LEVIED
C001	BOARD OF COUNTY COMMISSIONERS	8.7260	131.20
S002	COLUMBIA COUNTY SCHOOL BOARD		
	DISCRETIONARY	.7600	11.43
	LOCAL	5.1950	78.11
	CAPITAL OUTLAY	2.0000	30.07
W SR	SUWANNEE RIVER WATER MGT DIST	.4914	7.39
HLSH	SHANDS AT LAKE SHORE	1.7500	26.31
IIDA	INDUSTRIAL DEVELOPEMENT AUTH	.1380	2.07

poc: Sandra
365-1783
497 3305

3773 SW Wilson Springs Rd

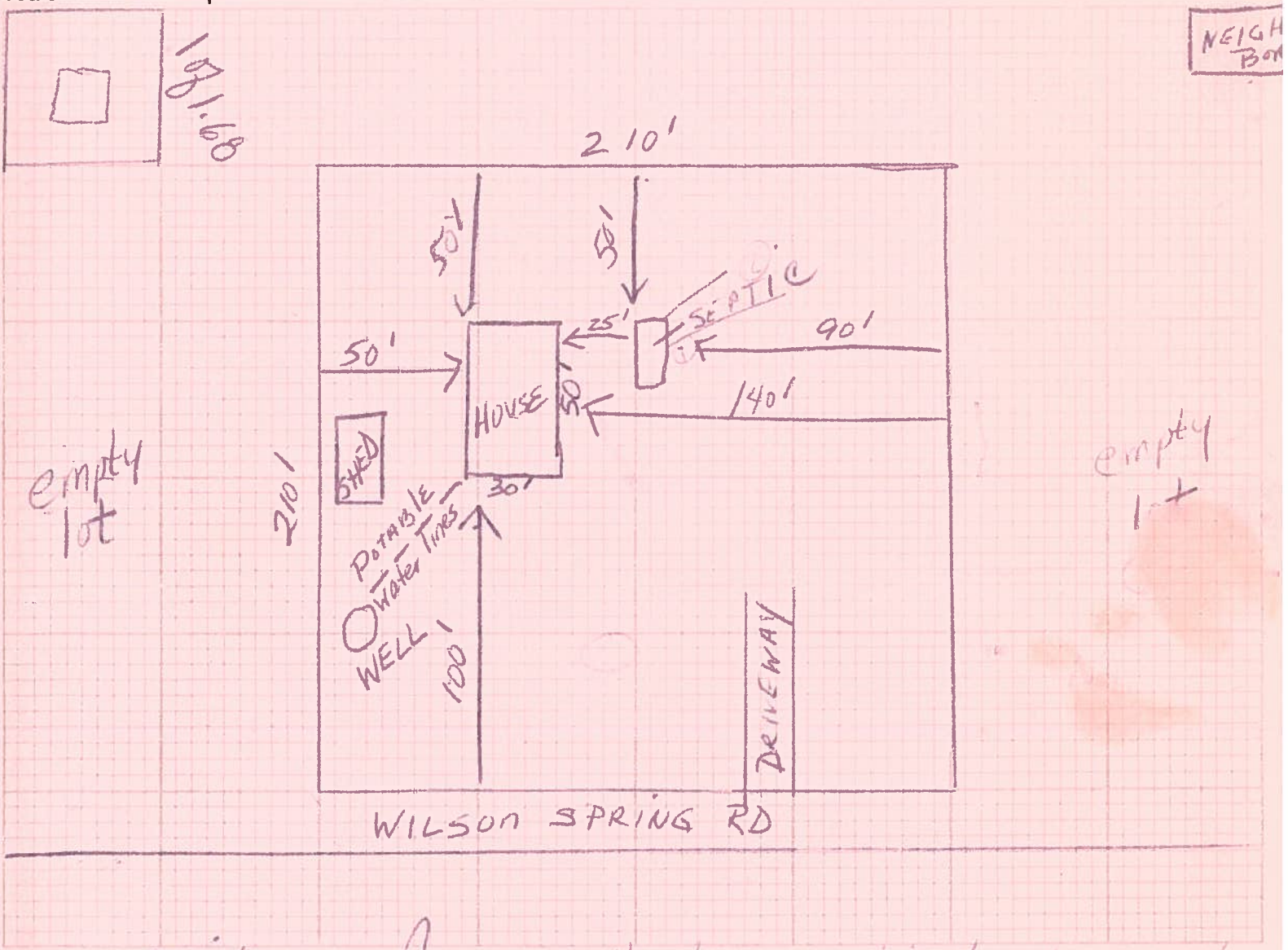
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-19471

PART II - SITE PLAN

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



Notes: Distance from well to septic tank 100'

House 2 1200

Site Plan submitted by: [signature] Signature — Owner Title

Plan Approved X Not Approved _____ Date 9-1-05

By [signature] County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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 $25,000. 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
( ) Farm Outbuilding
( ) New Construction
( ) Two-Family Residence
( ) Other_____
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I William Grimsley, 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_____

X William Grimsley 2-3-06
Signature Date

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 2.9.2006 Building Official/Representative

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**William & Sandra Grimsley**	Builder:	owner
Address:		Permitting Office:	Columbia
City, State:	**, FL 32025-**	Permit Number:	24574
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1491 ft²	
7.	Glass area & type		
a.	Clear - single pane	0.0 ft²	
b.	Clear - double pane	288.0 ft²	
c.	Tint/other SHGC - single pane	0.0 ft²	
d.	Tint/other SHGC - double pane	0.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 170.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Concrete, Int Insul, Exterior	R=19.0, 1039.0 ft²	
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1491.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 35.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 30.0 kBtu/hr	
		SEER: 12.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 30.0 kBtu/hr	
		HSPF: 7.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.90	
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: 0.19

Total as-built points: 23112
Total base points: 23276

PASS

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

PREPARED BY: Will Myers

DATE: 10.27.05

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL, 32025-** 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	1491.0	20.04	5378.3	Double, Clear	W	1.5	7.7	80.0	36.99	0.95	2817.7
				Double, Clear	SW	1.5	6.0	12.0	38.46	0.89	408.5
				Double, Clear	W	1.5	6.0	45.0	36.99	0.91	1520.2
				Double, Clear	NW	1.5	6.0	10.0	25.46	0.93	235.6
				Double, Clear	W	1.5	7.7	40.0	36.99	0.95	1408.8
				Double, Clear	N	1.5	6.0	20.0	19.22	0.94	360.8
				Double, Clear	E	1.5	4.0	6.0	40.22	0.82	196.8
				Double, Clear	E	7.5	6.0	30.0	40.22	0.46	558.9
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4
				Double, Clear	S	1.5	6.0	15.0	34.50	0.86	443.1
				As-Built Total:				**288.0**			**9051.8**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior	19.0	1039.0	0.20	207.8
Exterior	1039.0	1.70	1766.3					
Base Total:	**1039.0**		**1766.3**	**As-Built Total:**		**1039.0**		**207.8**

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	6.10	122.0				
Base Total:	**20.0**		**122.0**	**As-Built Total:**	**20.0**		**82.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1491.0	1.73	2579.4	Under Attic	30.0	1491.0	1.73 X 1.00	2579.4
Base Total:	**1491.0**		**2579.4**	**As-Built Total:**		**1491.0**		**2579.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	170.0(p)	-37.0	-6290.0	Slab-On-Grade Edge Insulation	0.0	170.0(p	-41.20	-7004.0
Raised	0.0	0.00	0.0					
Base Total:			**-6290.0**	**As-Built Total:**		**170.0**		**-7004.0**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1491.0	10.21	15223.1	1491.0	10.21	15223.1

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**18779.2**	**Summer As-Built Points:**						**20140.1**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
18779.2	**0.4266**		**8011.2**	20140.1 **20140.1**	1.000 **1.00**	(1.090 x 1.147 x 1.11) **1.388**	0.284 **0.284**	1.000 **1.000**		7949.3 **7949.3**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL, 32025-** 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	1491.0	12.74	3419.2	Double, Clear	W	1.5	7.7	80.0	10.77	1.01	872.2	
				Double, Clear	SW	1.5	6.0	12.0	7.17	1.06	91.2	
				Double, Clear	W	1.5	6.0	45.0	10.77	1.02	495.8	
				Double, Clear	NW	1.5	6.0	10.0	14.03	1.00	140.7	
				Double, Clear	W	1.5	7.7	40.0	10.77	1.01	436.1	
				Double, Clear	N	1.5	6.0	20.0	14.30	1.00	286.8	
				Double, Clear	E	1.5	4.0	6.0	9.09	1.07	58.6	
				Double, Clear	E	7.5	6.0	30.0	9.09	1.35	367.6	
				Double, Clear	E	1.5	6.0	30.0	9.09	1.04	282.4	
				Double, Clear	S	1.5	6.0	15.0	4.03	1.12	67.6	
				As-Built Total:				**288.0**			**3099.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior	19.0	1039.0	1.90	1974.1
Exterior	1039.0	3.70	3844.3					
Base Total:	**1039.0**		**3844.3**	**As-Built Total:**		**1039.0**		**1974.1**

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	12.30	246.0				
Base Total:	**20.0**		**246.0**	**As-Built Total:**	**20.0**		**168.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1491.0	2.05	3056.6	Under Attic	30.0	1491.0	2.05 X	1.00	3056.6
Base Total:	**1491.0**		**3056.6**	**As-Built Total:**		**1491.0**			**3056.6**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	170.0(p)	8.9	1513.0	Slab-On-Grade Edge Insulation	0.0	170.0(p	18.80	3196.0
Raised	0.0	0.00	0.0					
Base Total:			**1513.0**	**As-Built Total:**		**170.0**		**3196.0**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1491.0	-0.59	-879.7	1491.0	-0.59	-879.7

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**11199.3**	**Winter As-Built Points:**					**10613.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
11199.3	**0.6274**	**7026.5**	10613.9 **10613.9**	1.000 **1.00**	(1.069 x 1.169 x 1.10) **1.375**	0.487 **0.487**	1.000 **1.000**	7107.5 **7107.5**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8011	**7026**	**8238**	**23276**	**7949**	**7108**	**8055**	**23112**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL, 32025-** 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 6-12. 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* = 82.8

The higher the score, the more efficient the home.

, , , FL, 32025-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 30.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 12.00
4.	Number of Bedrooms	3		b.	N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1491 ft²		c.	N/A	
7.	Glass area & type					
a.	Clear - single pane	0.0 ft²		13.	Heating systems	
b.	Clear - double pane	288.0 ft²		a.	Electric Heat Pump	Cap: 30.0 kBtu/hr
c.	Tint/other SHGC - single pane	0.0 ft²				HSPF: 7.00
d.	Tint/other SHGC - double pane	0.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 170.0(p) ft		c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 50.0 gallons
a.	Concrete, Int Insul, Exterior	R=19.0, 1039.0 ft²				EF: 0.90
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, 1491.0 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: Attic	Sup. R=6.0, 35.0 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 850/488-7824.*

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**William & Sandra Grimsley**	Builder:	
Address:		Permitting Office:	Columbia
City, State:	**, FL 32025-**	Permit Number:	
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr SEER: 12.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	1491 ft²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr HSPF: 7.00
7. Glass area & type		b. N/A	
a. Clear - single pane	0.0 ft²	c. N/A	
b. Clear - double pane	288.0 ft²	14. Hot water systems	
c. Tint/other SHGC - single pane	0.0 ft²	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
d. Tint/other SHGC - double pane	0.0 ft²	b. N/A	
8. Floor types		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
a. Slab-On-Grade Edge Insulation	R=0.0, 170.0(p) ft	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior	R=19.0, 1039.0 ft²		
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1491.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.19

Total as-built points: 23112

Total base points: 23276

PASS

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

PREPARED BY: Will Myers

DATE: 10.27.05

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL, 32025-** 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	1491.0	20.04	5378.3	Double, Clear	W	1.5	7.7	80.0	36.99	0.95	2817.7
				Double, Clear	SW	1.5	6.0	12.0	38.46	0.89	408.5
				Double, Clear	W	1.5	6.0	45.0	36.99	0.91	1520.2
				Double, Clear	NW	1.5	6.0	10.0	25.46	0.93	235.6
				Double, Clear	W	1.5	7.7	40.0	36.99	0.95	1408.8
				Double, Clear	N	1.5	6.0	20.0	19.22	0.94	360.8
				Double, Clear	E	1.5	4.0	6.0	40.22	0.82	196.8
				Double, Clear	E	7.5	6.0	30.0	40.22	0.46	558.9
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4
				Double, Clear	S	1.5	6.0	15.0	34.50	0.86	443.1
				As-Built Total:				**288.0**			**9051.8**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			19.0	1039.0	0.20		207.8
Exterior	1039.0	1.70	1766.3								
Base Total:	**1039.0**		**1766.3**	**As-Built Total:**				**1039.0**			**207.8**
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	6.10	122.0								
Base Total:	**20.0**		**122.0**	**As-Built Total:**				**20.0**			**82.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1491.0	1.73	2579.4	Under Attic			30.0	1491.0	1.73 X 1.00		2579.4
Base Total:	**1491.0**		**2579.4**	**As-Built Total:**				**1491.0**			**2579.4**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	170.0(p)	-37.0	-6290.0	Slab-On-Grade Edge Insulation			0.0	170.0(p	-41.20		-7004.0
Raised	0.0	0.00	0.0								
Base Total:			**-6290.0**	**As-Built Total:**				**170.0**			**-7004.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1491.0	10.21	15223.1					1491.0	10.21		15223.1

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**18779.2**	**Summer As-Built Points:**						**20140.1**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
18779.2	**0.4266**	**8011.2**		20140.1 **20140.1**	1.000 **1.00**	(1.090 x 1.147 x 1.11) **1.388**	0.284 **0.284**	1.000 **1.000**	7949.3 **7949.3**	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL, 32025-** 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	1491.0	12.74	3419.2	Double, Clear	W	1.5	7.7	80.0	10.77	1.01	872.2	
				Double, Clear	SW	1.5	6.0	12.0	7.17	1.06	91.2	
				Double, Clear	W	1.5	6.0	45.0	10.77	1.02	495.8	
				Double, Clear	NW	1.5	6.0	10.0	14.03	1.00	140.7	
				Double, Clear	W	1.5	7.7	40.0	10.77	1.01	436.1	
				Double, Clear	N	1.5	6.0	20.0	14.30	1.00	286.8	
				Double, Clear	E	1.5	4.0	6.0	9.09	1.07	58.6	
				Double, Clear	E	7.5	6.0	30.0	9.09	1.35	367.6	
				Double, Clear	E	1.5	6.0	30.0	9.09	1.04	282.4	
				Double, Clear	S	1.5	6.0	15.0	4.03	1.12	67.6	
				As-Built Total:				**288.0**			**3099.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			19.0	1039.0	1.90		1974.1	
Exterior	1039.0	3.70	3844.3									
Base Total:	**1039.0**		**3844.3**	**As-Built Total:**				**1039.0**			**1974.1**	
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	12.30	246.0									
Base Total:	**20.0**		**246.0**	**As-Built Total:**				**20.0**			**168.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1491.0	2.05	3056.6	Under Attic			30.0	1491.0	2.05 X 1.00		3056.6	
Base Total:	**1491.0**		**3056.6**	**As-Built Total:**				**1491.0**			**3056.6**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	170.0(p)	8.9	1513.0	Slab-On-Grade Edge Insulation			0.0	170.0(p	18.80		3196.0	
Raised	0.0	0.00	0.0									
Base Total:			**1513.0**	**As-Built Total:**				**170.0**			**3196.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1491.0	-0.59	-879.7					1491.0	-0.59		-879.7	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**11199.3**	**Winter As-Built Points:**						**10613.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
11199.3	**0.6274**	**7026.5**	10613.9 **10613.9**	1.000 **1.00**	(1.069 x 1.169 x 1.10) **1.375**	0.487 **0.487**	1.000 **1.000**	7107.5 **7107.5**	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025- PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8011	**7026**	**8238**	**23276**	**7949**	**7108**	**8055**	**23112**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, 32025-	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 6-12. 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* = 82.8

The higher the score, the more efficient the home.

, , , FL, 32025-

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 30.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 12.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1491 ft²		c. N/A	
7.	Glass area & type				
	a. Clear - single pane	0.0 ft²		13. Heating systems	
	b. Clear - double pane	288.0 ft²		a. Electric Heat Pump	Cap: 30.0 kBtu/hr
	c. Tint/other SHGC - single pane	0.0 ft²			HSPF: 7.00
	d. Tint/other SHGC - double pane	0.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 170.0(p) ft		c. N/A	
	b. N/A				
	c. N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Concrete, Int Insul, Exterior	R=19.0, 1039.0 ft²			EF: 0.90
	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, 1491.0 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: Attic	Sup. R=6.0, 35.0 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 850/488-1824.

Residential System Sizing Calculation

Summary

Project Title:
William & Sandra Grimsley

, FL 32025-

Class 3 Rating
Registration No. 0
Climate: North

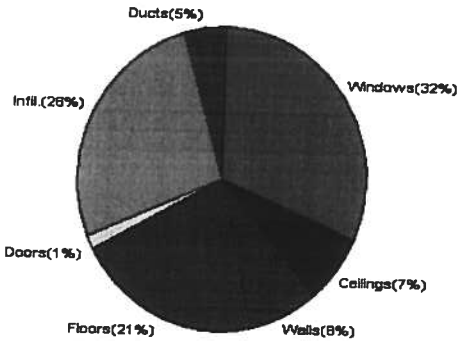
10/27/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	24	F
Total heating load calculation	**25870**	**Btuh**	**Total cooling load calculation**	**35711**	**Btuh**
Submitted heating capacity	30000	Btuh	Submitted cooling capacity	30000	Btuh
Submitted as % of calculated	116.0	%	Submitted as % of calculated	84.0	%

WINTER CALCULATIONS

Winter Heating Load (for 1491 sqft)

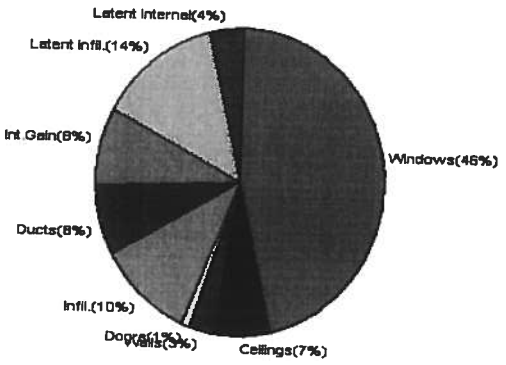
Load component			Load	
Window total	288	sqft	8150	Btuh
Wall total	1039	sqft	1974	Btuh
Door total	20	sqft	367	Btuh
Ceiling total	1491	sqft	1938	Btuh
Floor total	170	ft	5372	Btuh
Infiltration	159	cfm	6836	Btuh
Subtotal			**24638**	**Btuh**
Duct loss			1232	Btuh
TOTAL HEAT LOSS			**25870**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1491 sqft)

Load component			Load	
Window total	288	sqft	16521	Btuh
Wall total	1039	sqft	997	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	1491	sqft	2356	Btuh
Floor total			0	Btuh
Infiltration	139	cfm	3681	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**26814**	**Btuh**
Duct gain			2681	Btuh
Total sensible gain			**29496**	**Btuh**
Latent gain(infiltration)			4836	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**6216**	**Btuh**
TOTAL HEAT GAIN			**35711**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

10/27/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	80.0	28.3	2264 Btuh
2	2, Clear, Metal, DEF	SW	12.0	28.3	340 Btuh
3	2, Clear, Metal, DEF	W	45.0	28.3	1274 Btuh
4	2, Clear, Metal, DEF	NW	10.0	28.3	283 Btuh
5	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
6	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
7	2, Clear, Metal, DEF	E	6.0	28.3	170 Btuh
8	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
9	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
	Window Total		288		8150 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	19.0	1039	1.9	1974 Btuh
	Wall Total		1039		1974 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
	Door Total		20		367Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1491	1.3	1938 Btuh
	Ceiling Total		1491		1938Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	170.0 ft(p)	31.6	5372 Btuh
	Floor Total		170		5372 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	11928(sqft)	159	6836 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			159	6836 Btuh

Totals for Heating	**Subtotal**	**24638 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1232 Btuh**
	Total Btuh Loss	**25870 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 10/27/2005

Window	Type Panes/SHGC/U/InSh/ExSh Ornt		Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load	
1	2, Clear, DEF, N, N	W	1.5	7.66	80.0	13.0	67.0	25	74	5283	Btuh
2	2, Clear, DEF, N, N	SW	1.5	6	12.0	0.0	12.0	25	65	780	Btuh
3	2, Clear, DEF, N, N	W	1.5	6	45.0	9.3	35.7	25	74	2872	Btuh
4	2, Clear, DEF, N, N	NW	1.5	6	10.0	0.0	10.0	25	53	530	Btuh
5	2, Clear, DEF, N, N	W	1.5	7.66	40.0	0.0	40.0	25	74	2960	Btuh
6	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	25	25	500	Btuh
7	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	25	74	444	Btuh
8	2, Clear, DEF, N, N	E	7.5	6	30.0	30.0	0.0	25	74	750	Btuh
9	2, Clear, DEF, N, N	E	1.5	6	30.0	4.0	26.0	25	74	2026	Btuh
10	2, Clear, DEF, N, N	S	1.5	6	15.0	15.0	0.0	25	39	375	Btuh
	Window Total				288					16521	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Concrete - Exterior	19.0	1039.0	1.0	997	Btuh
	Wall Total		1039.0		997	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	20.0	12.9	259	Btuh
	Door Total	20.0		259	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1491.0	1.6	2356	Btuh
	Ceiling Total		1491.0		2356	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	170.0 ft(p)	0.0	0	Btuh
	Floor Total		170.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	11928	139.4	3681	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			139	3681	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

10/27/2005

Totals for Cooling	**Subtotal**	**26814**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**2681**	**Btuh**
	Total sensible gain	**29496**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**4836**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**35711**	**Btuh**

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

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
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)
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)

☐ N/A ☐ 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

Submit Letter (Attach) well

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: On Plans **Project Name:** Grimsley

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project fo which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local produ supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspectio

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

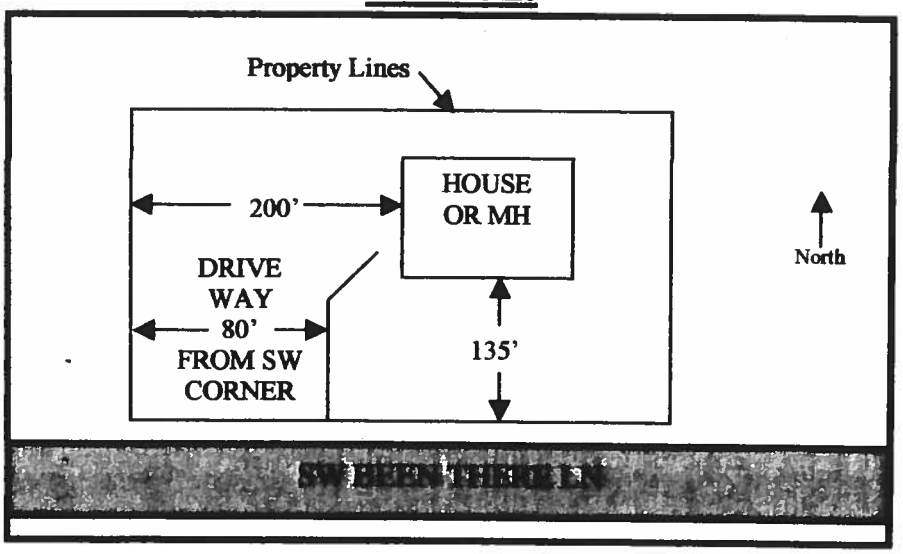
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

Residential System Sizing Calculation

Summary

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

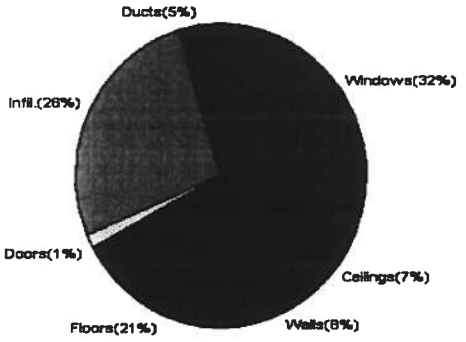
10/27/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	24	F
Total heating load calculation	**25870**	**Btuh**	**Total cooling load calculation**	**35711**	**Btuh**
Submitted heating capacity	30000	Btuh	Submitted cooling capacity	30000	Btuh
Submitted as % of calculated	116.0	%	Submitted as % of calculated	84.0	%

WINTER CALCULATIONS

Winter Heating Load (for 1491 sqft)

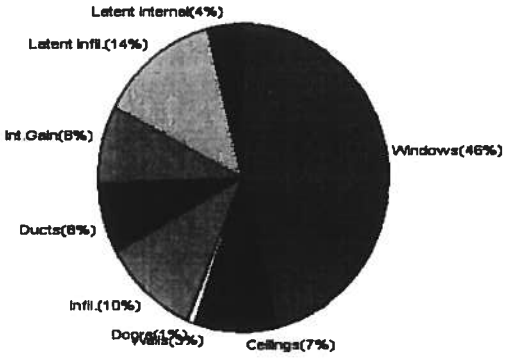
Load component			Load	
Window total	288	sqft	8150	Btuh
Wall total	1039	sqft	1974	Btuh
Door total	20	sqft	367	Btuh
Ceiling total	1491	sqft	1938	Btuh
Floor total	170	ft	5372	Btuh
Infiltration	159	cfm	6836	Btuh
Subtotal			**24638**	**Btuh**
Duct loss			1232	Btuh
TOTAL HEAT LOSS			**25870**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1491 sqft)

Load component			Load	
Window total	288	sqft	16521	Btuh
Wall total	1039	sqft	997	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	1491	sqft	2356	Btuh
Floor total			0	Btuh
Infiltration	139	cfm	3681	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**26814**	**Btuh**
Duct gain			2681	Btuh
Total sensible gain			**29496**	**Btuh**
Latent gain(infiltration)			4836	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**6216**	**Btuh**
TOTAL HEAT GAIN			**35711**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

10/27/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	80.0	28.3	2264 Btuh
2	2, Clear, Metal, DEF	SW	12.0	28.3	340 Btuh
3	2, Clear, Metal, DEF	W	45.0	28.3	1274 Btuh
4	2, Clear, Metal, DEF	NW	10.0	28.3	283 Btuh
5	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
6	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
7	2, Clear, Metal, DEF	E	6.0	28.3	170 Btuh
8	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
9	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
	Window Total		288		8150 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	19.0	1039	1.9	1974 Btuh
	Wall Total		1039		1974 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
	Door Total		20		367Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1491	1.3	1938 Btuh
	Ceiling Total		1491		1938Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	170.0 ft(p)	31.6	5372 Btuh
	Floor Total		170		5372 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	11928(sqft)	159	6836 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			159	6836 Btuh

Totals for Heating	**Subtotal**	**24638 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1232 Btuh**
	Total Btuh Loss	**25870 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 10/27/2005

Window	Type Panes/SHGC/U/InSh/ExSh Ornt		Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load	
1	2, Clear, DEF, N, N	W	1.5	7.66	80.0	13.0	67.0	25	74	5283	Btuh
2	2, Clear, DEF, N, N	SW	1.5	6	12.0	0.0	12.0	25	65	780	Btuh
3	2, Clear, DEF, N, N	W	1.5	6	45.0	9.3	35.7	25	74	2872	Btuh
4	2, Clear, DEF, N, N	NW	1.5	6	10.0	0.0	10.0	25	53	530	Btuh
5	2, Clear, DEF, N, N	W	1.5	7.66	40.0	0.0	40.0	25	74	2960	Btuh
6	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	25	25	500	Btuh
7	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	25	74	444	Btuh
8	2, Clear, DEF, N, N	E	7.5	6	30.0	30.0	0.0	25	74	750	Btuh
9	2, Clear, DEF, N, N	E	1.5	6	30.0	4.0	26.0	25	74	2026	Btuh
10	2, Clear, DEF, N, N	S	1.5	6	15.0	15.0	0.0	25	39	375	Btuh
	Window Total				288					16521	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Concrete - Exterior	19.0	1039.0	1.0	997	Btuh
	Wall Total		1039.0		997	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	20.0	12.9	259	Btuh
	Door Total	20.0		259	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1491.0	1.6	2356	Btuh
	Ceiling Total		1491.0		2356	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	170.0 ft(p)	0.0	0	Btuh
	Floor Total		170.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	11928	139.4	3681	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			139	3681	Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	6	X 300	+	1200	3000	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
William & Sandra Grimsley

Class 3 Rating
Registration No. 0
Climate: North

, FL 32025-

10/27/2005

Totals for Cooling	**Subtotal**	**26814 Btuh**
	Duct gain(using duct multiplier of 0.10)	**2681 Btuh**
	Total sensible gain	**29496 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**4836 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**35711 Btuh**

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: 0602-30

William Grimsley owner/builder lot 3 Wilson Springs

On the date of February 14, 2006 application 0602-30 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0602-30 when making reference to this application.

1. Please verify compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.
2. On the electrical plan page A.2 the electrical panel is shown to be located in the bedroom 3 closet. The National Electrical Code requires that electrical panels not to be so located in the vicinity of easily ignitable materials, such as clothes. Please show on the plans as alternate desired location of the electrical panel.

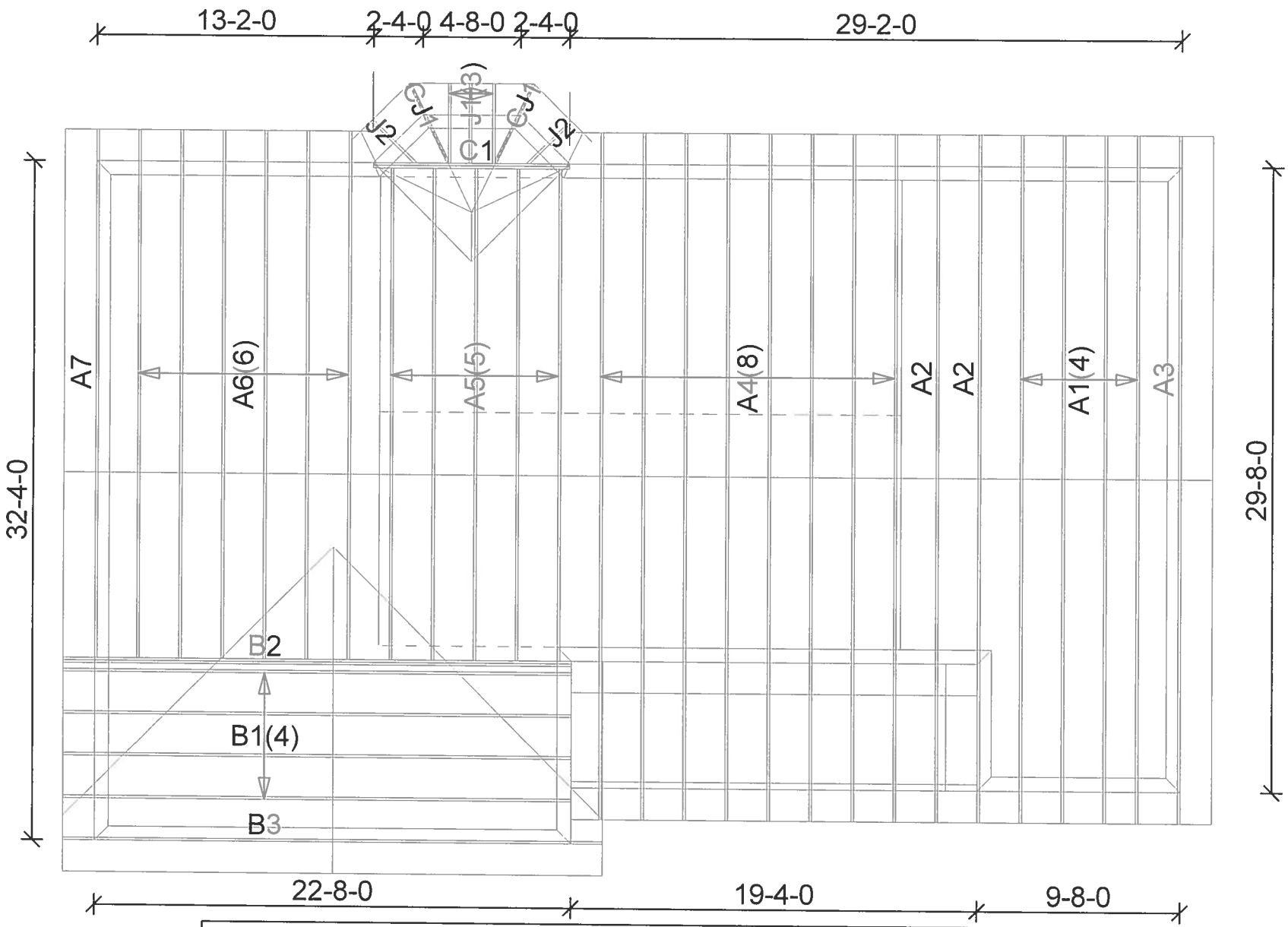
3. The structural foundation design by Mr. Nicholas Geisler requires that the soil conditions have a load bearing capacity of 1,500 PSF. Therefore please follow the prescribed testing methods to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

4. Please provide engineered roof truss plans and have Mr. Nicholas Geisler supply the following information, show all required connectors with uplift rating for the truss system and required number and size of fasteners for continuous tie from the roof to foundation. These connection points shall be designed by an architect or engineer using the engineered roof truss plans.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

SANDRA Grimsley 06-02-30



8/12 PITCH - 4/12 CATHEDRAL - 18" OVERHANG - 8" BLOCK WALLS

Mayo Truss Co. Inc.
362 NE CLYDE AVE.
MAYO, FL 32066
(386)294-3988
(877)-558-6262

WILLIAM & SANDRA GRIMSLEY

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: GRIMSLEY
Designer: M.MURRAY
Checker: M.MURRAY
Date: 03-22-06

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: GRIMSLEY - WILLIAM GRIMSLEY

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

ANSI/ASCE 7-02
Wind Speed - 110 mph
Mean Roof Ht. - 15 ft
Exposure Catergory - B
Occupancy Factor - 1.00
MWFRS
Enclosed

ROBBINS ENGINEERING, INC.
P.O. Box 280055
Tampa, FL 33682-0055
Phone: (813) 972-1135

Engineering Index Sheet

Index Page 1 of 1

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06032065	03/20/2006		14

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 1-1995, 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 individua truss design drawings fo special loading conditions.

	Date	Mark		Date	Mark		Date	Mark		Date	Mark
1	03/20/06	A1	2	03/20/06	A2	3	03/20/06	A3	4	03/20/06	A4
5	03/20/06	A5	6	03/20/06	A6	7	03/20/06	A7	8	03/20/06	B1
9	03/20/06	B2	10	03/20/06	B3	11	03/20/06	C1	12	03/20/06	CJ1
13	03/20/06	J1	14	03/20/06	J2						

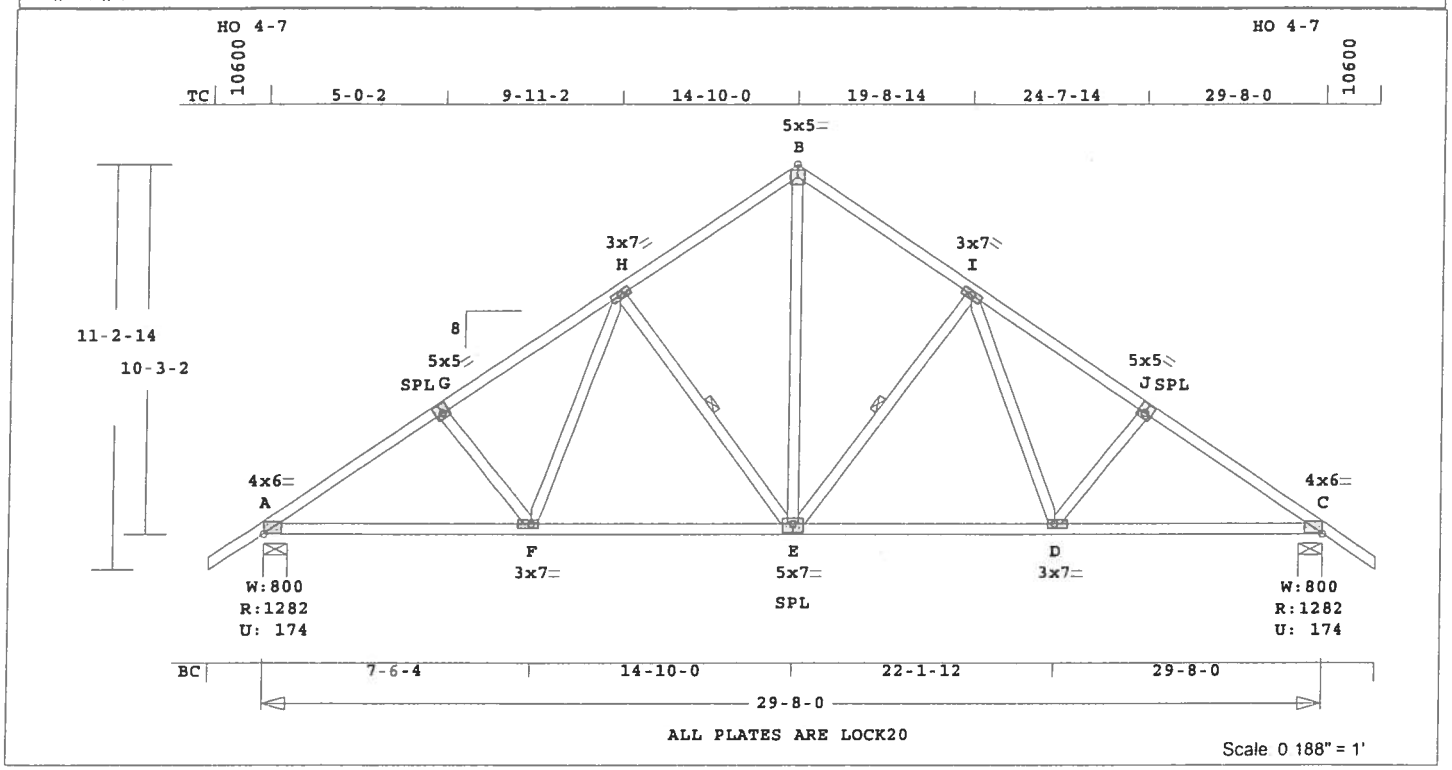
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

THOMAS A. ALBANI LICENSE No. 39380 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A1	4	TR	290800	8	1- 6- 0	1- 6- 0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 219.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	Size	Lumber
TC	0.24	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	29- 8- 0
BC Cont.	0- 0- 0	29- 8- 0

WB 1 rows CLB on H -E
WB 1 rows CLB on E -I
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	1283	175	8- 0	1- 8
			Hz =	-218
C	1283	175	8- 0	1- 8
			Hz =	219

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -G	0.19	1715	C	0.01	0.18
G -H	0.24	1536	C	0.01	0.23
H -B	0.23	1071	C	0.00	0.23
B -I	0.23	1071	C	0.00	0.23
I -J	0.24	1536	C	0.01	0.23
J -C	0.19	1715	C	0.01	0.18
Bottom Chords					
A -F	0.42	1429	T	0.14	0.28
F -E	0.40	1163	T	0.12	0.28
E -D	0.40	1163	T	0.12	0.28
D -C	0.42	1429	T	0.14	0.28
Webs					
G -F	0.05	238	C		
F -H	0.06	390	T		
H -E	0.10	467	C		1 Br
E -B	0.24	902	T		
E -I	0.10	467	C		1 Br
I -D	0.06	390	T		
D -J	0.05	238	C		

TL Defl -0.14" in E -D L/999
LL Defl -0.06" in E -D L/999
Shear // Grain in G -H 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

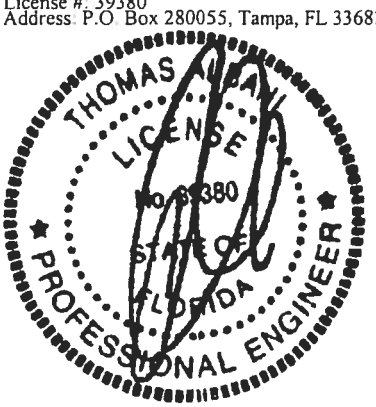
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	0.5	0.4	0.64
G	LOCK	5.0x 5.0	-0.3	0.5	0.67
H	LOCK	3.0x 7.0	Ctr	Ctr	0.51
B	LOCK	5.0x 5.0	Ctr	Ctr	0.59
I	LOCK	3.0x 7.0	Ctr	Ctr	0.51
J	LOCK	5.0x 5.0	0.3	0.5	0.67
C	LOCK	4.0x 6.0	-0.5	0.4	0.64
F	LOCK	3.0x 7.0	-1.1	Ctr	0.53
E	LOCK	5.0x 7.0	Ctr	-0.5	0.68
D	LOCK	3.0x 7.0	1.1	Ctr	0.53

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1715 Lbs
Quality Control Factor 1.25

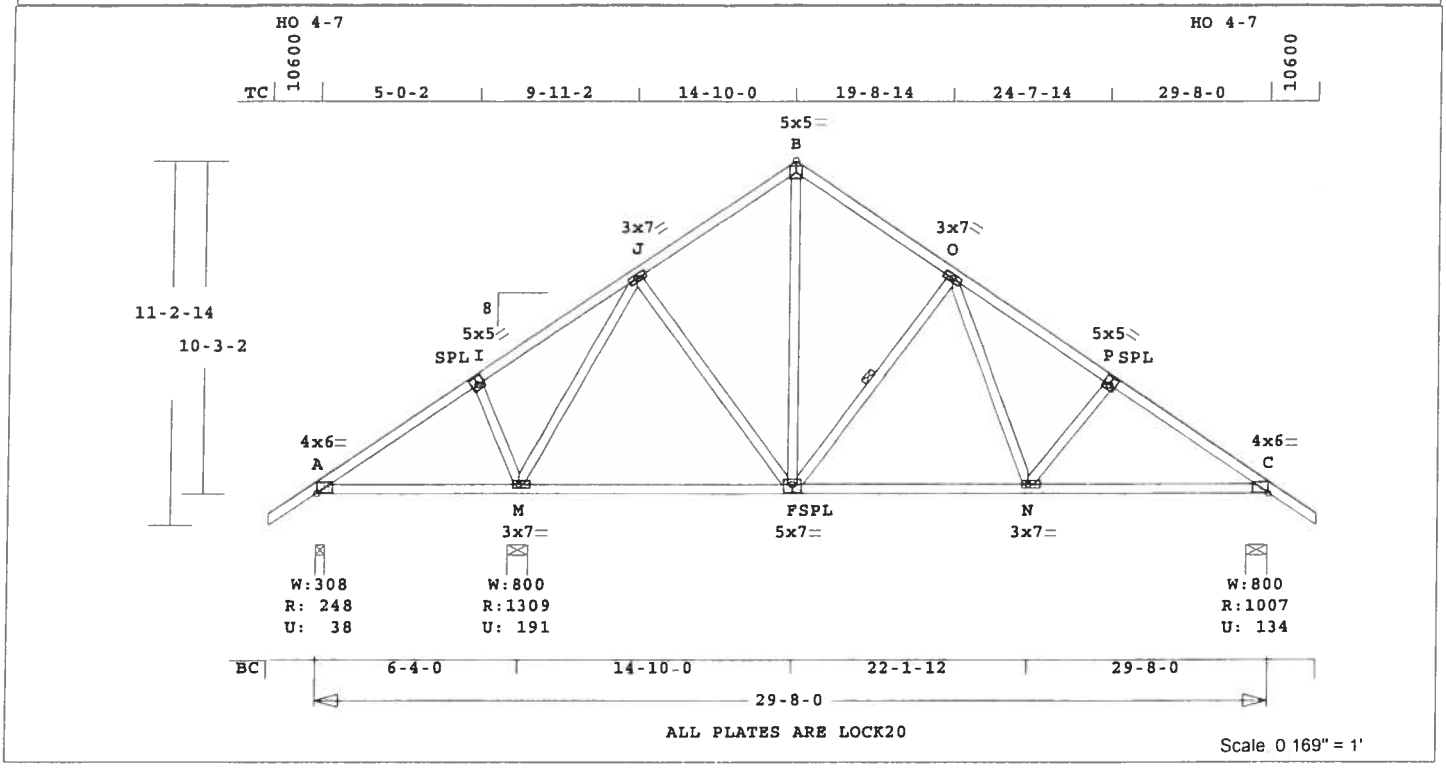
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A2	2	TR	290800	8	1- 6- 0	1- 6- 0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 219.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.28	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.72	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	29- 8- 0
BC Cont.	0- 0- 0	29- 8- 0

WB 1 rows CLB on F -O
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	248	39	3- 8	1- 8
			Hz =	-218
M	1310	192	8- 0	1- 8
C	1007	135	8- 0	1- 8
			Hz =	219

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -I	0.28	74	T	0.02	0.26
I -J	0.27	149	T	0.01	0.26
J -B	0.21	582	C	0.00	0.21
B -O	0.23	583	C	0.00	0.23
O -P	0.23	1058	C	0.00	0.23
P -C	0.20	1238	C	0.00	0.20
--------Bottom Chords---------					
A -M	0.35	142	T	0.00	0.35
M -F	0.38	350	T	0.03	0.35
F -N	0.40	760	T	0.07	0.33
N -C	0.37	1036	T	0.10	0.27
------------Webs------------					
I -M	0.04	274	C		
M -J	0.72	1000	C		
J -F	0.04	227	T		
F -B	0.14	390	T		
F -O	0.11	473	C		1 Br
O -N	0.06	392	T		
N -P	0.05	248	C		

TL Defl -0.17" in M -F L/999
LL Defl -0.08" in M -F L/999
Shear // Grain in A -I 0.18

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 6.0	0.5	0.4	0.64
I	LOCK	5.0x 5.0	-0.3	0.5	0.67
J	LOCK	3.0x 7.0	Ctr	Ctr	0.49
B	LOCK	5.0x 5.0	Ctr	Ctr	0.59
O	LOCK	3.0x 7.0	Ctr	Ctr	0.51
P	LOCK	5.0x 5.0	0.3	0.5	0.67
C	LOCK	4.0x 6.0	-0.5	0.4	0.64
M	LOCK	3.0x 7.0	0.9	Ctr	0.52
F	LOCK	5.0x 7.0	Ctr	-0.5	0.68
N	LOCK	3.0x 7.0	1.1	Ctr	0.53

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

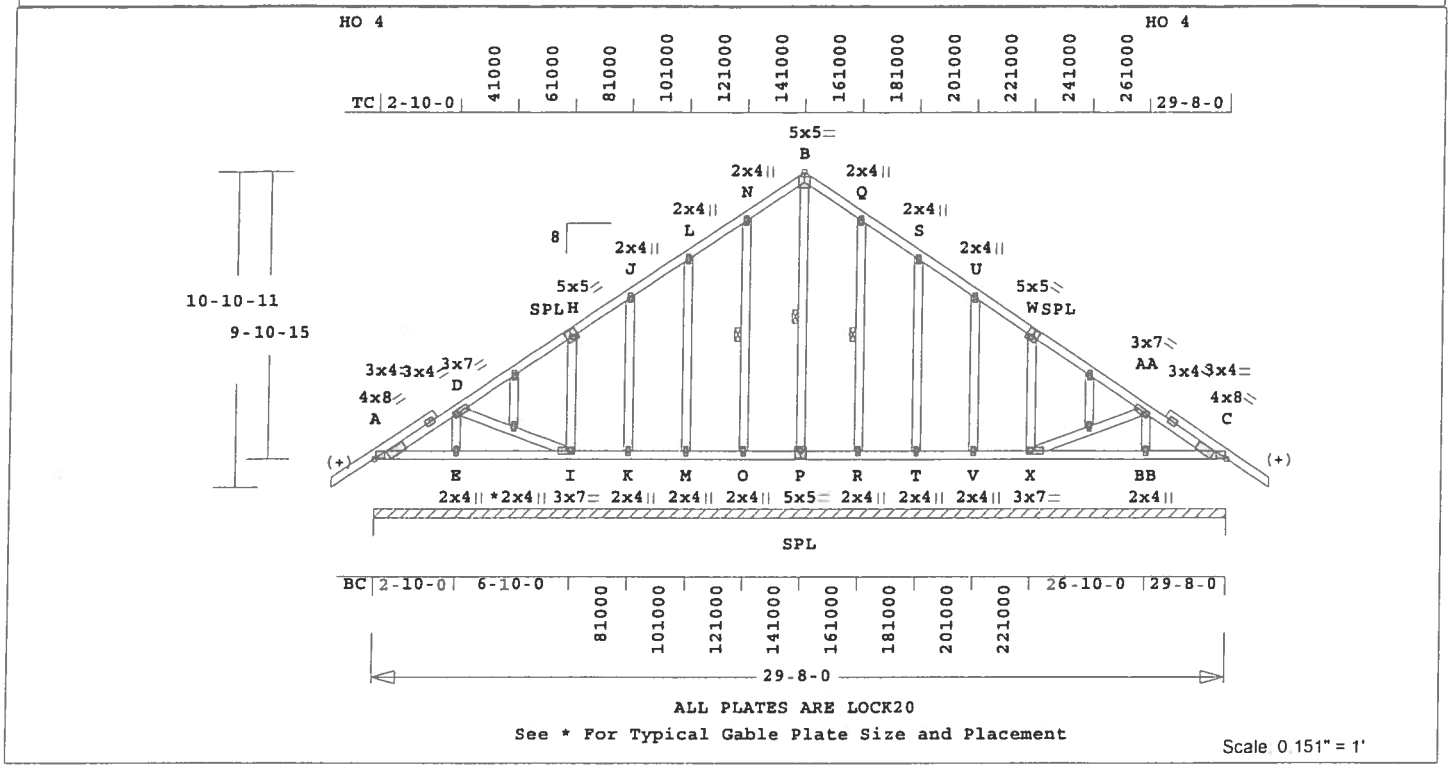
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1238 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A3	1	TR	290800	8	0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20

See * For Typical Gable Plate Size and Placement

Scale 0.151" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 274.1 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	Size	Lumber
TC	0.12	2x 4	SP-#2
BC	0.07	2x 4	SP-#2
WB	0.01	2x 4	SP-#2
GW	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	29- 8- 0
BC Cont.		0- 0- 0	29- 8- 0

WB 1 rows CLB on O -N
WB 1 rows CLB on P -B
WB 1 rows CLB on R -Q
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
Cont. Brg	0- 0- 0 to 29- 8- 0			
	2373	316 Hz =	211	

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -D	0.12	66 C	0.00	0.12
D -H	0.12	104 C	0.00	0.12
H -J	0.11	65 C	0.00	0.11
J -L	0.03	50 C	0.00	0.03
L -N	0.03	67 T	0.00	0.03
N -B	0.03	113 T	0.00	0.03
B -Q	0.03	113 T	0.00	0.03
Q -S	0.03	67 T	0.00	0.03
S -U	0.03	50 C	0.00	0.03
U -W	0.11	65 C	0.00	0.11
W -AA	0.12	104 C	0.00	0.12
AA-C	0.12	66 C	0.00	0.12
Bottom Chords				
A -E	0.07	6 T	0.00	0.07
E -I	0.07	0 T	0.00	0.07
I -K	0.06	0 T	0.00	0.06
K -M	0.02	0 T	0.00	0.02
M -O	0.02	0 T	0.00	0.02
O -P	0.02	0 T	0.00	0.02
P -R	0.02	0 T	0.00	0.02
R -T	0.02	0 T	0.00	0.02
T -V	0.02	0 T	0.00	0.02
V -X	0.06	0 T	0.00	0.06
X -BB	0.07	0 T	0.00	0.07
BB-C	0.07	6 T	0.00	0.07
Webs				
D -I	0.01	100 T		
X -AA	0.01	100 T		
Gable Webs				
E -D	0.01	177 C		
I -H	0.04	202 C		
K -J	0.03	91 C		
M -L	0.07	124 C		
O -N	0.02	122 C		1 Br
P -B	0.02	82 C		1 Br
R -Q	0.02	122 C		1 Br
T -S	0.07	124 C		
V -U	0.03	91 C		
X -W	0.04	202 C		
BB-AA	0.01	177 C		

TL Defl -0.01" in E -I L/999
LL Defl 0.00" in E -I L/999
Shear // Grain in D -H 0.13

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	1.0	0.4	0.59
D	LOCK	3.0x 7.0	Ctr	Ctr	0.42
H	LOCK	5.0x 5.0	-0.3	0.5	0.67
J	LOCK	2.0x 4.0	Ctr	Ctr	0.41
L	LOCK	2.0x 4.0	Ctr	Ctr	0.41
N	LOCK	2.0x 4.0	Ctr	Ctr	0.41
B	LOCK	5.0x 5.0	Ctr	Ctr	0.59
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.41
S	LOCK	2.0x 4.0	Ctr	Ctr	0.41
U	LOCK	2.0x 4.0	Ctr	Ctr	0.41
W	LOCK	5.0x 5.0	0.3	0.5	0.67
AA	LOCK	3.0x 7.0	Ctr	Ctr	0.42
C	LOCK	4.0x 8.0	-1.0	0.4	0.59
E	LOCK	2.0x 4.0	Ctr	Ctr	0.41
I	LOCK	3.0x 7.0	Ctr	Ctr	0.46
K	LOCK	2.0x 4.0	Ctr	Ctr	0.41
M	LOCK	2.0x 4.0	Ctr	Ctr	0.41
O	LOCK	2.0x 4.0	Ctr	Ctr	0.41
P	LOCK	5.0x 5.0	Ctr	-0.5	0.68
R	LOCK	2.0x 4.0	Ctr	Ctr	0.41
T	LOCK	2.0x 4.0	Ctr	Ctr	0.41
V	LOCK	2.0x 4.0	Ctr	Ctr	0.41
X	LOCK	3.0x 7.0	Ctr	Ctr	0.46
BB	LOCK	2.0x 4.0	Ctr	Ctr	0.41

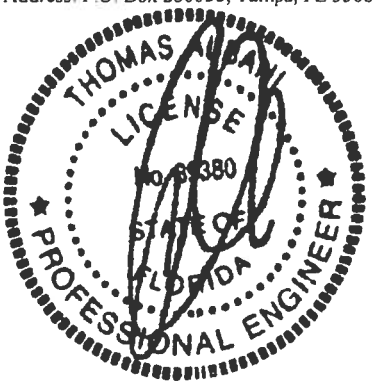
2 Gable studs to be attached with 2.0x4.0 plates each end.

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Prevent truss rotation at all bearing locations.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph

Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



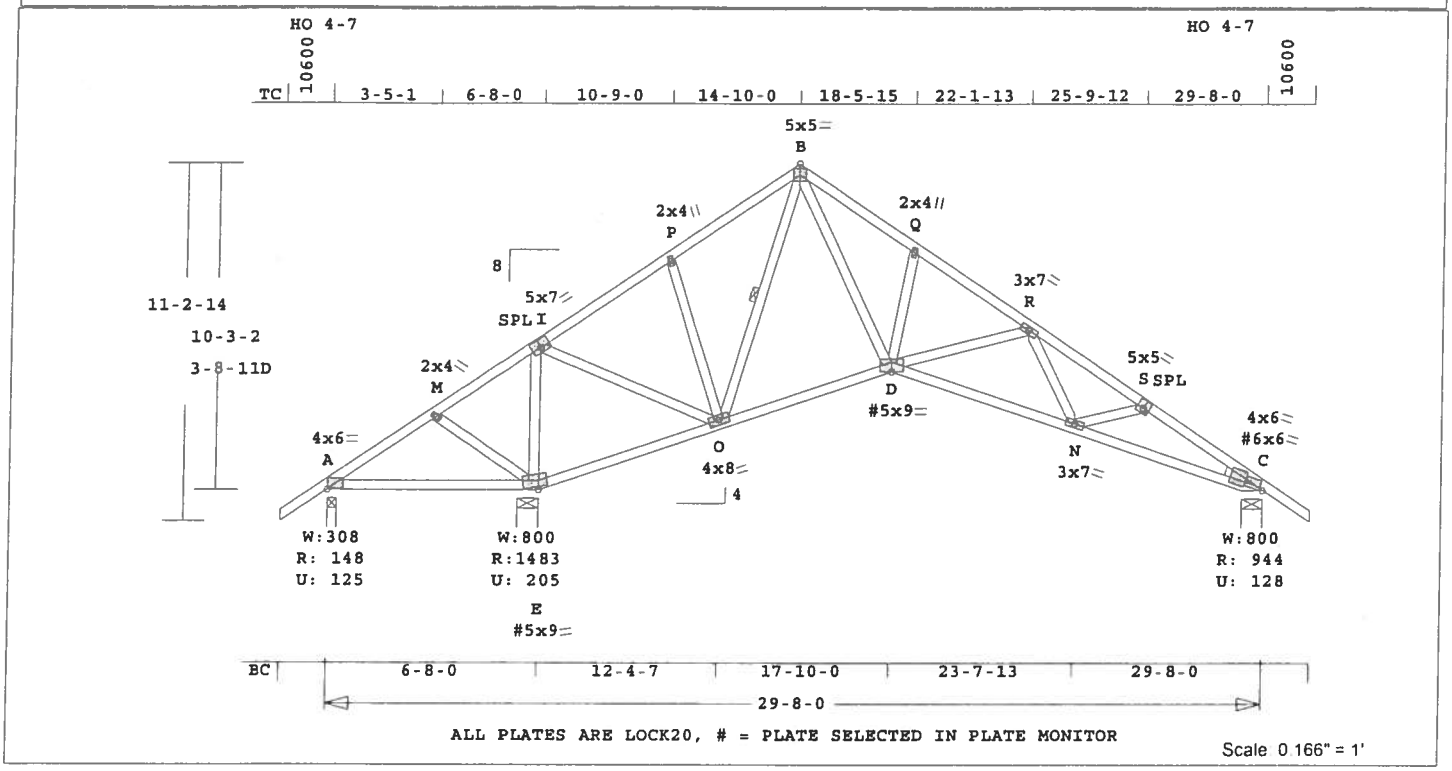
Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A3	1	TR	290800	8	0	0	T06032065
U# J#GRIMSLEY WILLIAM GRIMSLEY								

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 202 Lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
GRIMSLEY	A4	8	CA52	290800	8	1- 6- 0	1- 6- 0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.166" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 224.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.50	2x 4	SP-#2
BC	0.63	2x 4	SP-#2
WB	0.27	2x 4	SP-#2
PB	---	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	29- 8- 0
BC Cont.	0- 0- 0	29- 8- 0

WB 1 rows CLB on O -B
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	149	126	3- 8	1- 8
			Hz =	-219
E	1483	205	8- 0	1-11
C	945	128	8- 0	1- 8
			Hz =	220

Membr	CSI	P Lbs	Axl	CSI-Bnd
----------Top Chords----------				
A -M	0.27	217	T	0.04 0.23
M -I	0.29	425	T	0.06 0.23
I -P	0.22	583	C	0.00 0.22
P -B	0.22	517	C	0.00 0.22
B -Q	0.25	1248	C	0.00 0.25
Q -R	0.17	1310	C	0.01 0.16
R -S	0.21	1838	C	0.03 0.18
S -C	0.50	2030	C	0.02 0.48
--------Bottom Chords---------				
A -E	0.37	157	T	0.00 0.37
E -O	0.50	372	C	0.00 0.50
O -D	0.25	529	T	0.08 0.17
D -N	0.46	1571	T	0.26 0.20
N -C	0.63	1727	T	0.28 0.35
----------Webs----------				
M -E	0.05	276	C	
E -I	0.27	1096	C	
I -O	0.16	904	T	
P -O	0.10	267	C	
O -B	0.07	316	C	1 Br
B -D	0.21	1180	T	
D -Q	0.02	147	C	
D -R	0.11	416	C	
R -N	0.03	255	T	
N -S	0.01	121	T	

TL Defl -0.15" in A -E L/461
LL Defl -0.06" in A -E L/999

Hz Disp	LL	DL	TL
Jt C	0.08"	0.08"	0.16"

Shear // Grain in S -C 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 6.0	0.5	0.4	0.64
M	LOCK	2.0x 4.0	Ctr	Ctr	0.41
I	LOCK	5.0x 7.0	-0.3	0.5	0.67
P	LOCK	2.0x 4.0	Ctr	Ctr	0.41
B	LOCK	5.0x 5.0	Ctr	Ctr	0.62
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.41
R	LOCK	3.0x 7.0	Ctr	Ctr	0.48
S	LOCK	5.0x 5.0	0.3	0.5	0.67
C#	LOCK	6.0x 6.0	-8.1	4.1	1.00
C#	LOCK	4.0x 6.0	-2.3	1.8	0.00
E#	LOCK	5.0x 9.0	-1.4	3.4	0.68
O	LOCK	4.0x 8.0	Ctr	Ctr	0.42
D#	LOCK	5.0x 9.0	Ctr	-1.2	0.59
N	LOCK	3.0x 7.0	Ctr	Ctr	0.49

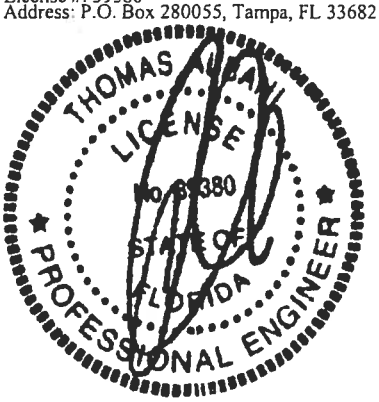
= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 2030 Lbs
Quality Control Factor 1.25

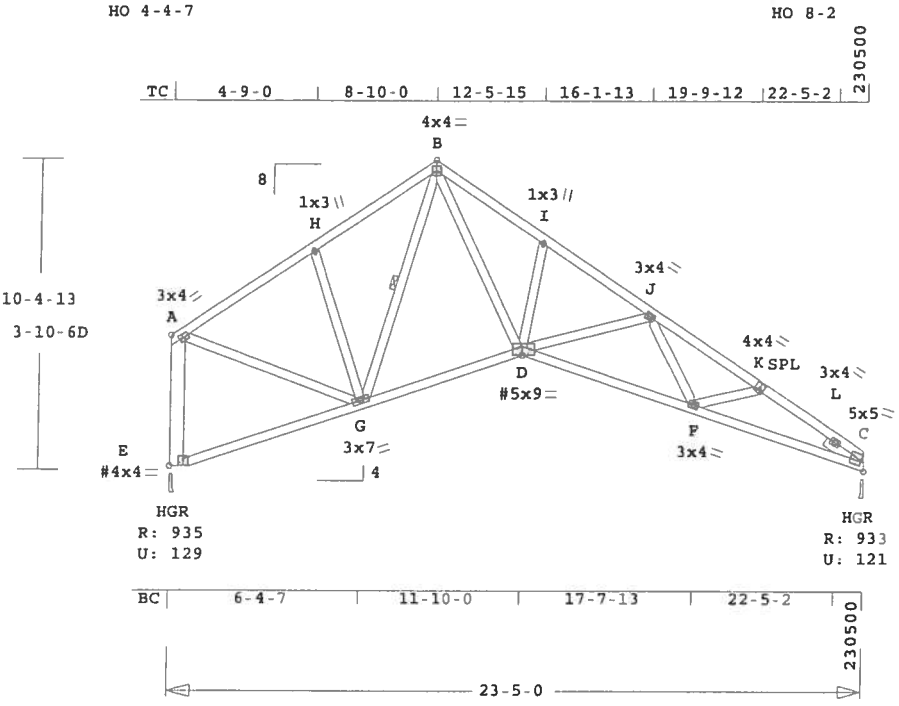
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A5	5	SP	230500	8	0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale 0.156" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 189.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.47	2x 4	SP-#2
BC	0.57	2x 4	SP-#2
WB	0.23	2x 4	SP-#2
EX E -A		2x 6	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	23- 5- 0
BC Cont.		0- 0- 0	23- 5- 0

WB 1 rows CLB on G -B
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	935	130	3- 8	1- 8
			Hz =	-273
C	933	122	3- 8	1- 8
			Hz =	204

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -H	0.25	881	C	0.00	0.25
H -B	0.25	816	C	0.00	0.25
B -I	0.25	1508	C	0.01	0.24
I -J	0.18	1571	C	0.01	0.17
J -K	0.25	1991	C	0.03	0.22
K -L	0.47	2101	C	0.02	0.45
--------Bottom Chords---------					
E -G	0.26	233	T	0.00	0.26
G -D	0.32	707	T	0.06	0.26
D -F	0.47	1749	T	0.29	0.18
F -C	0.57	1766	T	0.29	0.28
----------Webs----------					
E -A	0.15	889	C	WindLd	
A -G	0.14	796	T		
H -G	0.11	285	C		
G -B	0.02	127	C		1 Br
B -D	0.23	1270	T		
D -I	0.02	145	C		
D -J	0.09	367	C		
J -F	0.02	187	T		
F -K	0.01	100	T		
----------Sliders----------					
L -C	0.03	393	C		

TL Defl -0.20" in D -F L/999
LL Defl -0.09" in D -F L/999

Hz Disp	LL	DL	TL
Jt C	0.08"	0.08"	0.15"

Shear // Grain in K -L 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	-0.4	-0.3	0.73
H	LOCK	1.0x 3.0	Ctr	Ctr	0.75
B	LOCK	4.0x 4.0	Ctr	Ctr	0.98
I	LOCK	1.0x 3.0	Ctr	Ctr	0.75
J	LOCK	3.0x 4.0	Ctr	Ctr	0.61
K	LOCK	4.0x 4.0	0.6	0.9	0.59
L	LOCK	3.0x 4.0	Ctr	Ctr	0.50
C	LOCK	5.0x 5.0	-3.2	1.6	0.96
E#	LOCK	4.0x 4.0	Ctr	2.1	0.60
G	LOCK	3.0x 7.0	Ctr	Ctr	0.56
D#	LOCK	5.0x 9.0	0.5	-1.2	0.53
F	LOCK	3.0x 4.0	Ctr	Ctr	0.52

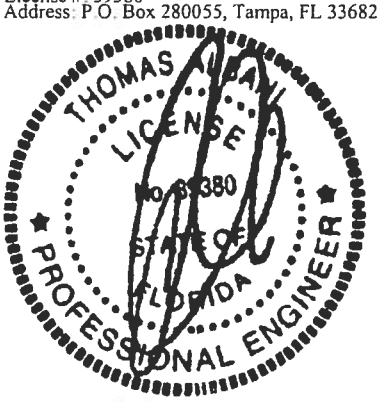
= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 2101 Lbs
Quality Control Factor 1.25

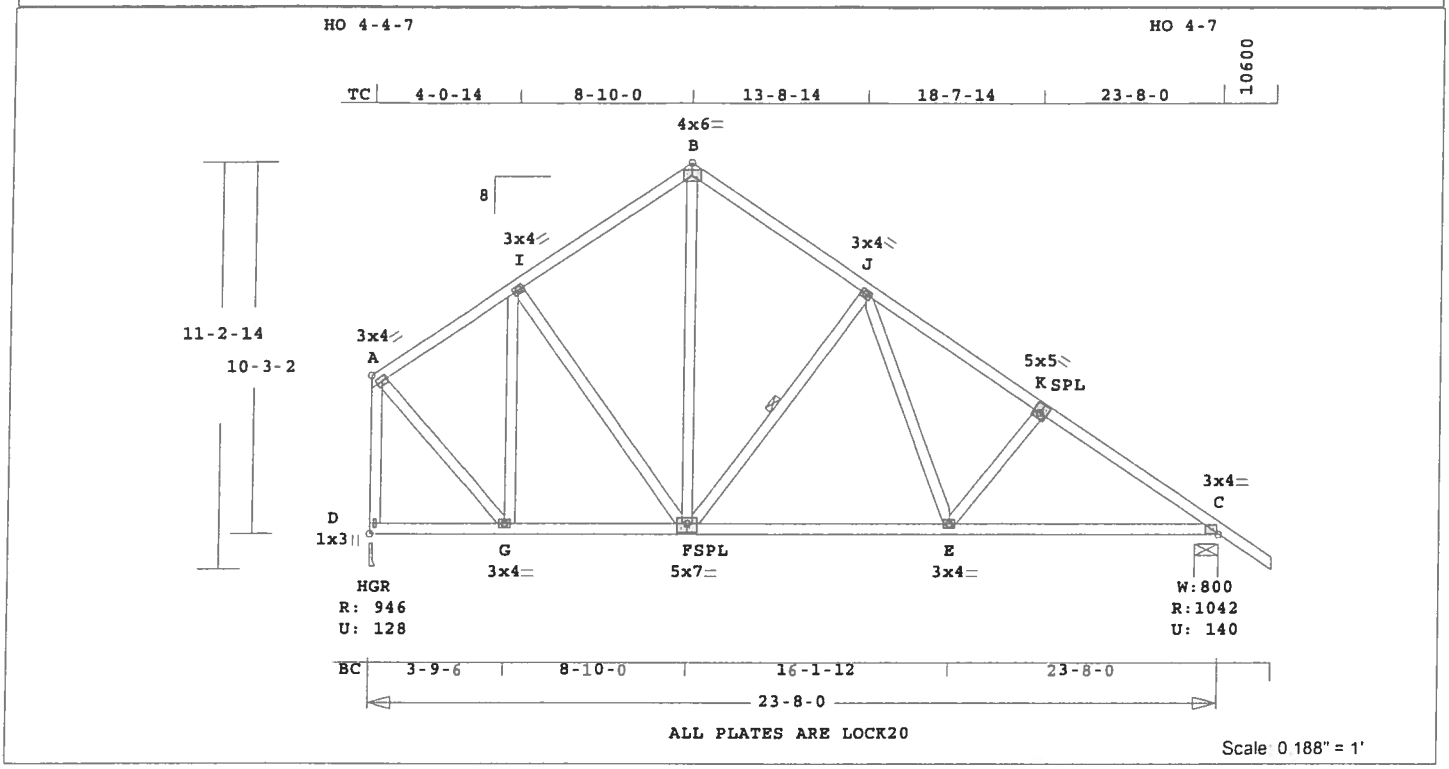
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
GRIMSLEY	A6	6	TR	230800	8	0	1- 6- 0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 200.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.23	2x 4	SP-#2
BC	0.41	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	23- 8- 0
BC Cont.	0- 0- 0	23- 8- 0

WB 1 rows CLB on F -J
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Req'd In-Sx
D	947	129	3- 8	1- 8
			Hz =	-271
C	1043	140	8- 0	1- 8
			Hz =	205

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -I	0.21	542 C	0.00	0.21
I -B	0.21	641 C	0.00	0.21
B -J	0.23	642 C	0.00	0.23
J -K	0.23	1122 C	0.00	0.23
K -C	0.21	1301 C	0.01	0.20
Bottom Chords				
D -G	0.09	217 T	0.00	0.09
G -F	0.25	465 T	0.04	0.21
F -E	0.38	811 T	0.08	0.30
E -C	0.41	1088 T	0.11	0.30
Webs				
D -A	0.20	912 C	WindLd	
A -G	0.12	691 T		
G -I	0.24	425 C		
I -F	0.07	125 T		
F -B	0.16	438 T		
F -J	0.11	477 C		1 Br
J -E	0.06	407 T		
E -K	0.05	246 C		

TL Defl -0.11" in F -E L/999
LL Defl -0.05" in F -E L/999
Shear // Grain in I -B 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

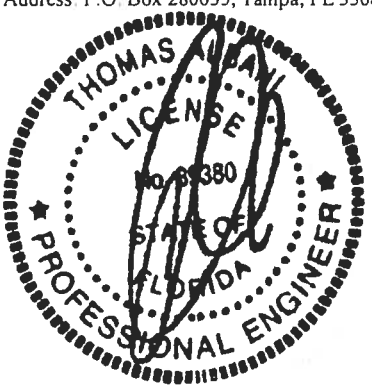
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
I	LOCK	3.0x 4.0	Ctr	Ctr	0.66
B	LOCK	4.0x 6.0	Ctr	Ctr	0.55
J	LOCK	3.0x 4.0	Ctr	Ctr	0.61
K	LOCK	5.0x 5.0	0.3	0.5	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.78
D	LOCK	1.0x 3.0	Ctr	Ctr	0.81
G	LOCK	3.0x 4.0	Ctr	Ctr	0.55
F	LOCK	5.0x 7.0	Ctr	-0.5	0.61
E	LOCK	3.0x 4.0	Ctr	Ctr	0.48

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1301 Lbs
Quality Control Factor 1.25

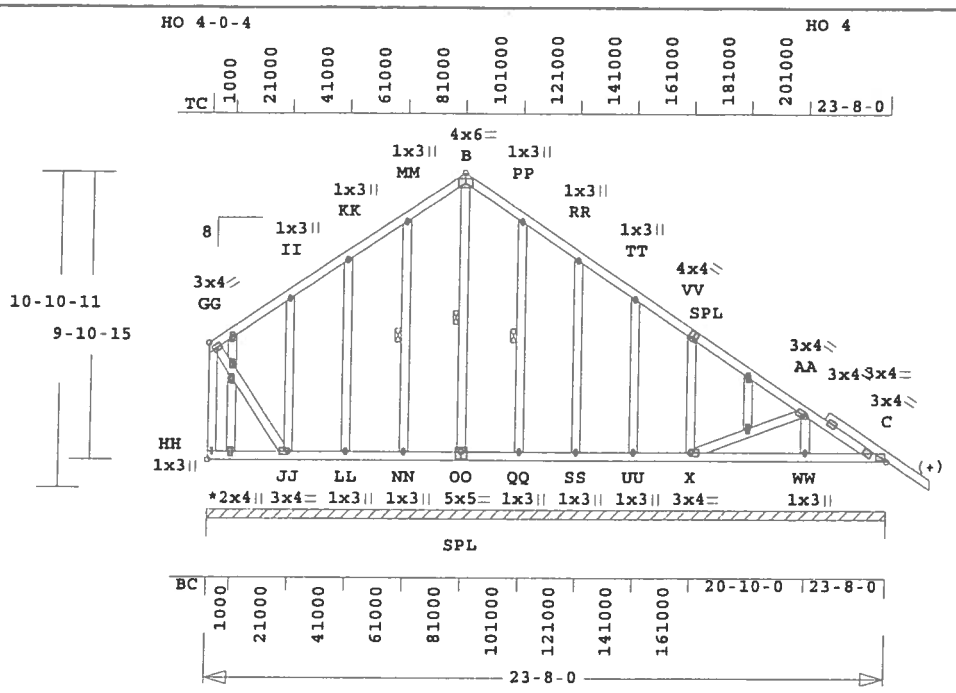
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	A7	1	TR	230800	8	0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20

See * For Typical Gable Plate Size and Placement

Scale 0.151" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 243.2 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	Size	Lumber
TC	0.12	2x 4	SP-#2(+)
BC	0.07	2x 4	SP-#2
WB	0.04	2x 4	SP-#2
GW	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	23- 8- 0
BC Cont.		0- 0- 0	23- 8- 0

WB 1 rows CLB on NN-MM
WB 1 rows CLB on OO-B
WB 1 rows CLB on QQ-PP
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
Cont. Brg	0- 0- 0 to 23- 8- 0			
	1893	252	Hz =	259

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
GG-II	0.06	45	C	0.00	0.06
II-KK	0.06	43	T	0.00	0.06
KK-MM	0.03	90	T	0.00	0.03
MM-B	0.03	137	T	0.00	0.03
B -PP	0.03	136	T	0.00	0.03
PP-RR	0.03	91	T	0.00	0.03
RR-TT	0.03	77	C	0.00	0.03
TT-VV	0.11	92	C	0.00	0.11
VV-AA	0.12	116	C	0.00	0.12
AA-C	0.12	71	C	0.00	0.12
Bottom Chords					
HH-JJ	0.04	0	T	0.00	0.04
JJ-LL	0.04	0	T	0.00	0.04
LL-NN	0.02	0	T	0.00	0.02
NN-OO	0.02	0	T	0.00	0.02
OO-QQ	0.02	0	T	0.00	0.02
QQ-SS	0.02	0	T	0.00	0.02
SS-UU	0.02	0	T	0.00	0.02
UU-X	0.06	0	T	0.00	0.06
X -WW	0.07	0	T	0.00	0.07
WW-C	0.07	5	T	0.00	0.07
Webs					
HH-GG	0.04	112	C	WindLd	
GG-JJ	0.03	148	T		
X -AA	0.01	91	T		
Gable Webs					
JJ-II	0.06	164	C		
LL-KK	0.06	108	C		
NN-MM	0.03	125	C	1	Br
OO-B	0.03	107	C	1	Br
QQ-PP	0.02	123	C	1	Br
SS-RR	0.07	124	C		
UU-TT	0.03	91	C		
X -VV	0.04	202	C		
WW-AA	0.01	171	C		

TL Defl -0.01" in X -WW L/999
LL Defl 0.00" in X -WW L/999
Shear // Grain in VV-AA 0.13

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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
GG LOCK	3.0x 4.0	Ctr	Ctr	0.74
II LOCK	1.0x 3.0	Ctr	Ctr	0.75
KK LOCK	1.0x 3.0	Ctr	Ctr	0.75
MM LOCK	1.0x 3.0	Ctr	Ctr	0.75
B LOCK	4.0x 6.0	Ctr	Ctr	0.55
PP LOCK	1.0x 3.0	Ctr	Ctr	0.75
RR LOCK	1.0x 3.0	Ctr	Ctr	0.75
TT LOCK	1.0x 3.0	Ctr	Ctr	0.75
VV LOCK	4.0x 4.0	0.6	0.9	0.60
AA LOCK	3.0x 4.0	Ctr	Ctr	0.66
C LOCK	3.0x 4.0	Ctr	Ctr	0.78
HH LOCK	1.0x 3.0	Ctr	Ctr	0.81
JJ LOCK	3.0x 4.0	Ctr	Ctr	0.55
LL LOCK	1.0x 3.0	Ctr	Ctr	0.81
NN LOCK	1.0x 3.0	Ctr	Ctr	0.81
OO LOCK	5.0x 5.0	Ctr	-0.5	0.61
QQ LOCK	1.0x 3.0	Ctr	Ctr	0.81
SS LOCK	1.0x 3.0	Ctr	Ctr	0.81
UU LOCK	1.0x 3.0	Ctr	Ctr	0.81
X LOCK	3.0x 4.0	Ctr	Ctr	0.55
WW LOCK	1.0x 3.0	Ctr	Ctr	0.81

3 Gable studs to be attached with 2.0x4.0 plates each end.

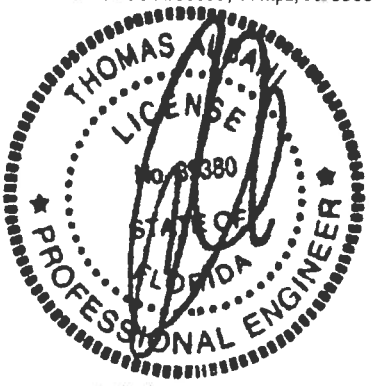
REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 202 Lbs
Quality Control Factor 1.25

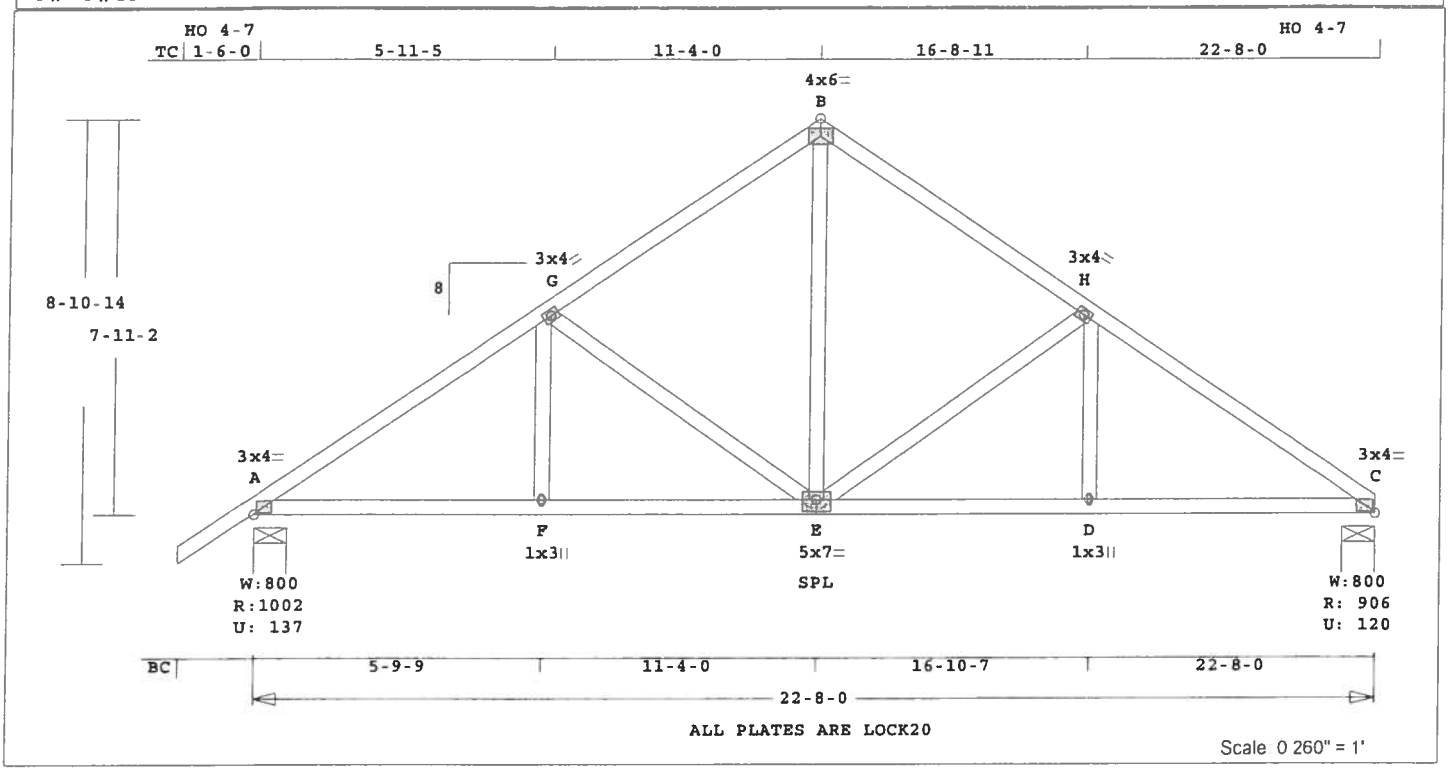
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	B1	4	TR	220800	8	1- 6- 0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 150.3 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.29	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.23	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	22- 8- 0
BC Cont.		0- 0- 0	22- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	1003	138	8- 0	1- 8
			Hz =	-162
C	907	121	8- 0	1- 8
			Hz =	163

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -G	0.29	1219	C	0.00	0.29
G -B	0.29	823	C	0.00	0.29
B -H	0.29	823	C	0.00	0.29
H -C	0.29	1219	C	0.00	0.29
Bottom Chords					
A -F	0.26	1020	T	0.17	0.09
F -E	0.26	1020	T	0.17	0.09
E -D	0.26	1020	T	0.17	0.09
D -C	0.26	1020	T	0.17	0.09
Webs					
F -G	0.03	226	T		
G -E	0.23	417	C		
E -B	0.10	592	T		
E -H	0.23	417	C		
D -H	0.03	226	T		

TL Defl -0.07" in F -E L/999
LL Defl -0.03" in F -E L/999
Shear // Grain in A -G 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

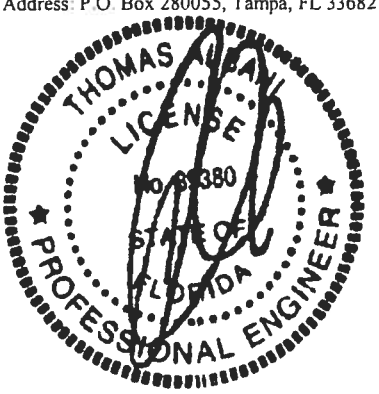
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.77
G	LOCK	3.0x 4.0	Ctr	Ctr	0.65
B	LOCK	4.0x 6.0	Ctr	Ctr	0.54
H	LOCK	3.0x 4.0	Ctr	Ctr	0.65
C	LOCK	3.0x 4.0	Ctr	Ctr	0.77
F	LOCK	1.0x 3.0	Ctr	Ctr	0.81
E	LOCK	5.0x 7.0	Ctr	-0.5	0.60
D	LOCK	1.0x 3.0	Ctr	Ctr	0.81

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1219 Lbs
Quality Control Factor 1.25

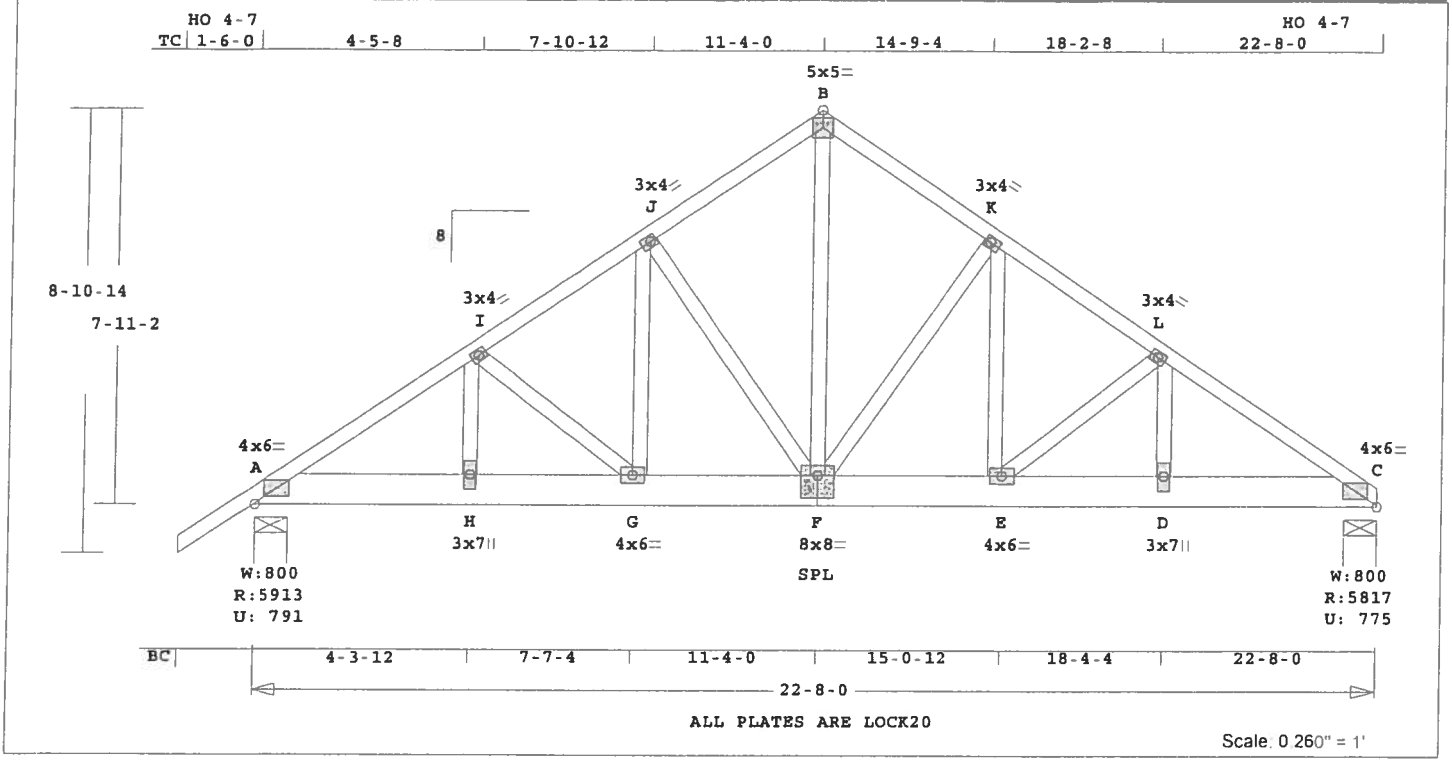
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	B2	1*2P	TR	220800	8	1- 6- 0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 217.6 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.69	2x 8	SP-#2
WB	0.51	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	22- 8- 0
BC Cont.	0- 0- 0	22- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Load Case # 1 Girder Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

plf -	Live	Dead	From	To
TC V	40	20	0.0'	22.7'
BC V	217	237	0.0'	22.7'

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	5914	792	8- 0	3- 8
			Hz =	-160
C	5818	775	8- 0	3- 7
			Hz =	161

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -I	0.33	8459	C 0.18	0.15
I -J	0.20	6889	C 0.12	0.08
J -B	0.17	5275	C 0.05	0.12
B -K	0.17	5275	C 0.05	0.12
K -L	0.20	6889	C 0.12	0.08
L -C	0.33	8459	C 0.18	0.15
--------Bottom Chords---------				
A -H	0.69	7056	T 0.39	0.30
H -G	0.56	7056	T 0.39	0.17
G -F	0.49	5726	T 0.32	0.17
F -E	0.49	5726	T 0.32	0.17
E -D	0.56	7056	T 0.39	0.17
D -C	0.69	7056	T 0.39	0.30
----------Webs----------				
H -I	0.15	1698	T	
I -G	0.09	1707	C	
G -J	0.23	2586	T	
J -F	0.16	2283	C	
F -B	0.51	5580	T	
F -K	0.16	2283	C	
E -K	0.23	2586	T	
E -L	0.09	1707	C	
D -L	0.15	1698	T	

TL Defl -0.19" in G -F L/999
LL Defl -0.09" in G -F L/999
Shear // Grain in A -H 0.30

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 6.0	Ctr	Ctr	0.98
I	LOCK	3.0x 4.0	Ctr	Ctr	0.75
J	LOCK	3.0x 4.0-0.4-0.3			0.86
B	LOCK	5.0x 5.0	Ctr	Ctr	0.98
K	LOCK	3.0x 4.0	0.4-0.3		0.86
L	LOCK	3.0x 4.0	Ctr	Ctr	0.75
C	LOCK	4.0x 6.0	Ctr	Ctr	0.98
H	LOCK	3.0x 7.0	Ctr-0.1		0.61
G	LOCK	4.0x 6.0	Ctr	Ctr	0.51
F	LOCK	8.0x 8.0	Ctr-1.5		0.75
E	LOCK	4.0x 6.0	Ctr	Ctr	0.51
D	LOCK	3.0x 7.0	Ctr-0.1		0.61

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

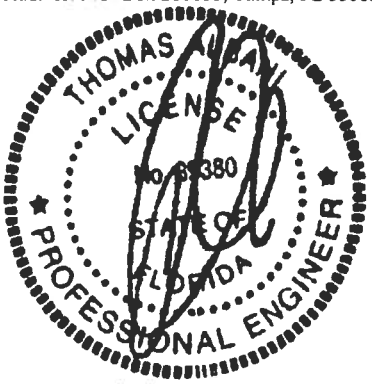
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Common
Loading BC
Span 23- 8- 0

2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Prevent truss rotation at all bearing locations.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 8459 Lbs
Quality Control Factor 1.25

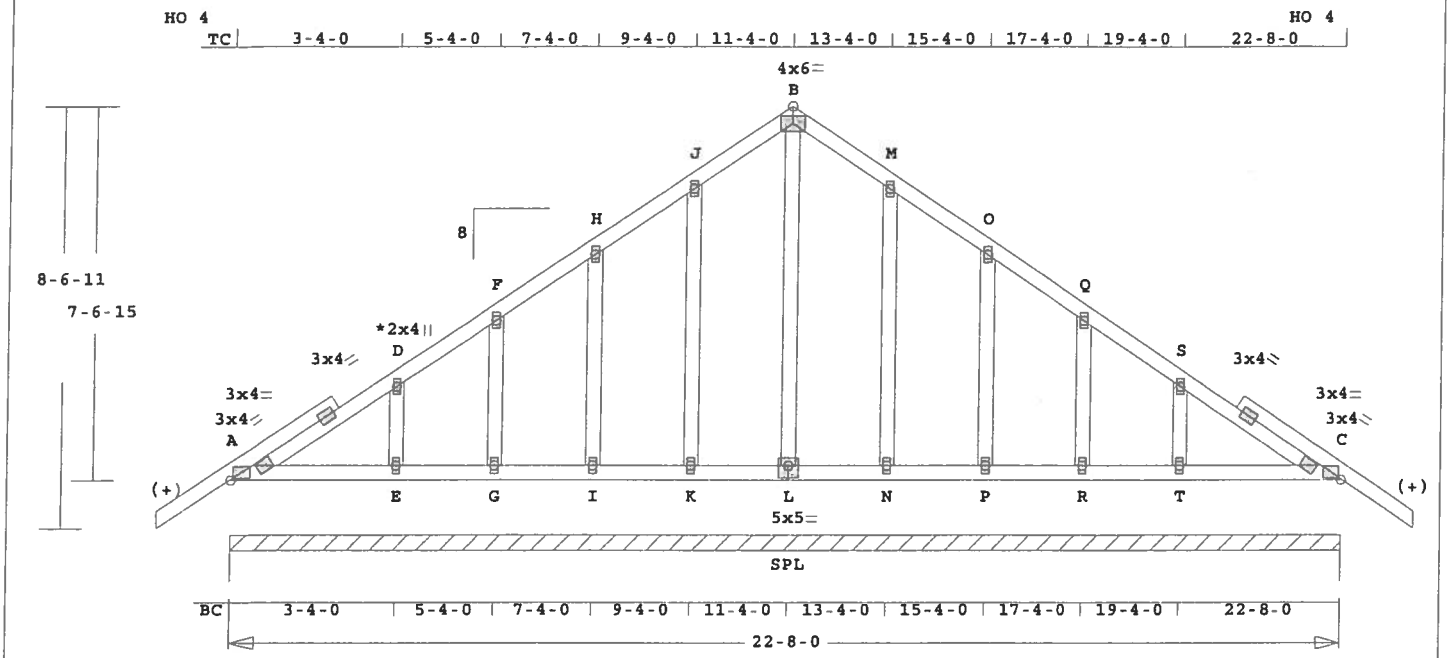
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	B3	1	TR	220800	8	0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.257" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 178.0 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	Size	Lumber
TC	0.07	2x 4	SP-#2
BC	0.06	2x 4	SP-#2
GW	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	22- 8- 0
BC Cont.		0- 0- 0	22- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
Cont. Brg	0- 0- 0 to 22- 8- 0			
	1813	242	Hz =	155

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -D	0.07	88	C	0.00	0.07
D -F	0.07	84	C	0.00	0.07
F -H	0.03	77	C	0.00	0.03
H -J	0.03	78	C	0.00	0.03
J -B	0.03	111	T	0.00	0.03
B -M	0.03	111	T	0.00	0.03
M -O	0.03	78	C	0.00	0.03
O -Q	0.03	77	C	0.00	0.03
Q -S	0.07	84	C	0.00	0.07
S -C	0.07	88	C	0.00	0.07
Bottom Chords					
A -E	0.06	7	T	0.00	0.06
E -G	0.04	0	T	0.00	0.04
G -I	0.02	0	T	0.00	0.02
I -K	0.02	0	T	0.00	0.02
K -L	0.02	0	T	0.00	0.02
L -N	0.02	0	T	0.00	0.02
N -P	0.02	0	T	0.00	0.02
P -R	0.02	0	T	0.00	0.02
R -T	0.04	0	T	0.00	0.04
T -C	0.06	7	T	0.00	0.06
Gable Webs					
E -D	0.01	175	C		
G -F	0.01	106	C		
I -H	0.03	123	C		
K -J	0.05	121	C		
L -B	0.05	80	C		
N -M	0.05	121	C		
P -O	0.03	123	C		
R -Q	0.01	106	C		
T -S	0.01	175	C		

TL Defl 0.00" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.10

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

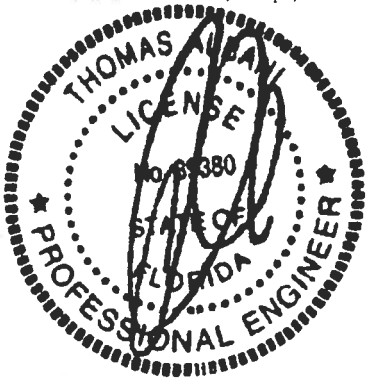
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.77
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
H	LOCK	2.0x 4.0	Ctr	Ctr	0.00
J	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	4.0x 6.0	Ctr	Ctr	0.54
M	LOCK	2.0x 4.0	Ctr	Ctr	0.00
O	LOCK	2.0x 4.0	Ctr	Ctr	0.00
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.00
S	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	3.0x 4.0	Ctr	Ctr	0.77
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
G	LOCK	2.0x 4.0	Ctr	Ctr	0.00
I	LOCK	2.0x 4.0	Ctr	Ctr	0.00
K	LOCK	2.0x 4.0	Ctr	Ctr	0.00
L	LOCK	5.0x 5.0	Ctr	Ctr-0.5	0.60
N	LOCK	2.0x 4.0	Ctr	Ctr	0.00
P	LOCK	2.0x 4.0	Ctr	Ctr	0.00
R	LOCK	2.0x 4.0	Ctr	Ctr	0.00
T	LOCK	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 175 Lbs
Quality Control Factor 1.25

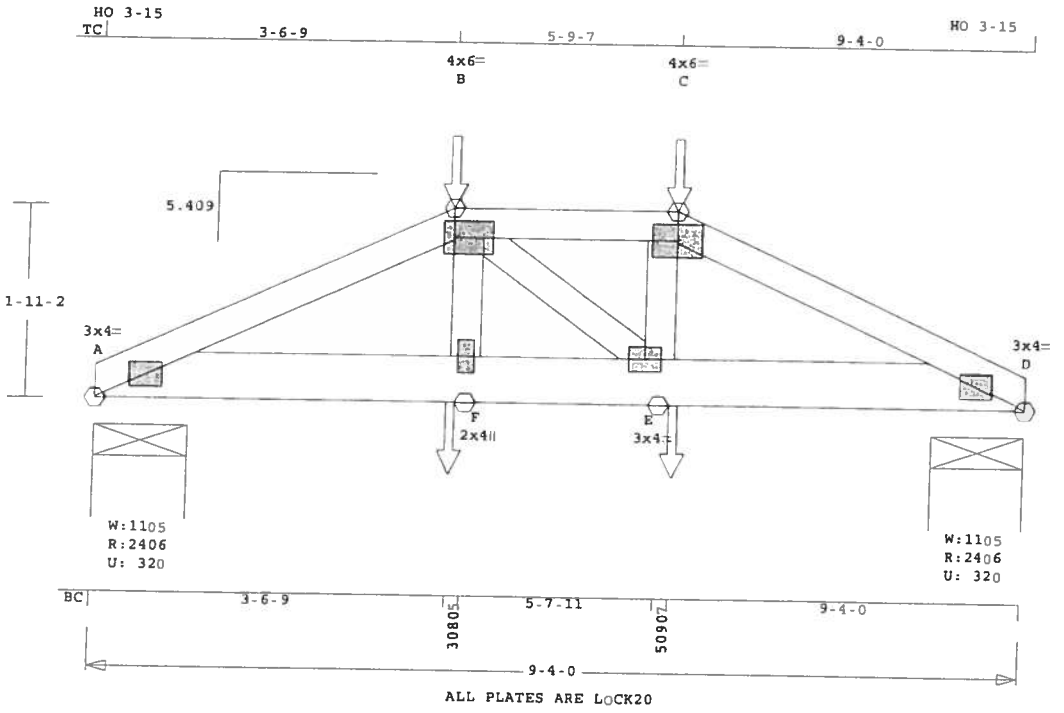
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	C1	1*2P	HIPP	90400	5.409	0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Scale 0.523" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.1 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.19	2x 4	SP-#2
BC	0.48	2x 6	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 4- 0
BC Cont.	0- 0- 0	9- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Load Case # 1 Standard Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

plf -	Live	Dead	From	To
TC V	40	20	0.0'	9.3'
BC V	0	20	0.0'	9.3'
BC V	214	214	0.0'	9.3'
TC V	3	2	3.5'	5.8'
BC V	0	2	3.5'	5.8'
BC V	5	5	3.5'	CL-LB
BC V	5	5	5.8'	CL-LB
TC V	9	9	3.5'	CL-LB
TC V	9	9	5.8'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	2407	321	11- 5	1- 8
D	2407	321	11- 5	1- 8

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.19	3607 C	0.02	0.17
B -C	0.09	3372 C	0.02	0.07
C -D	0.17	3648 C	0.02	0.15
--------Bottom Chords---------				
A -F	0.48	3346 T	0.22	0.26
F -E	0.29	3260 T	0.21	0.08
E -D	0.47	3372 T	0.22	0.25
------------Webs------------				
F -B	0.10	1175 T		
B -E	0.01	147 T		
E -C	0.10	1222 T		

TL Defl -0.05" in F -E L/999
LL Defl -0.03" in F -E L/999
Shear // Grain in E -D 0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	0.77
B	LOCK	4.0x 6.0	Ctr	Ctr	0.66
C	LOCK	4.0x 6.0	Ctr	Ctr	0.66
D	LOCK	3.0x 4.0	Ctr	Ctr	0.78
F	LOCK	2.0x 4.0	Ctr	Ctr	0.63
E	LOCK	3.0x 4.0	Ctr	Ctr	0.46

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

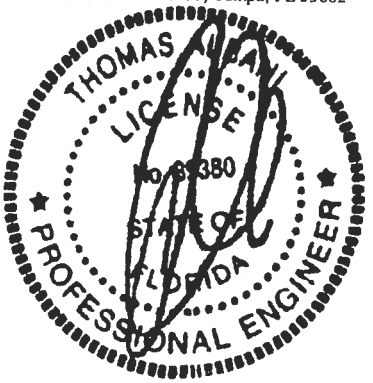
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
2 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	Rows	----Spacing (In)---- Nails	Screws	Bolts
TC	1	12	24	0
BC	2	12	24	0
WB	1	8	8	

Design checked for 10 psf non-concurrent LL on BC.
Prevent truss rotation at all bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 3648 Lbs
Quality Control Factor 1.25

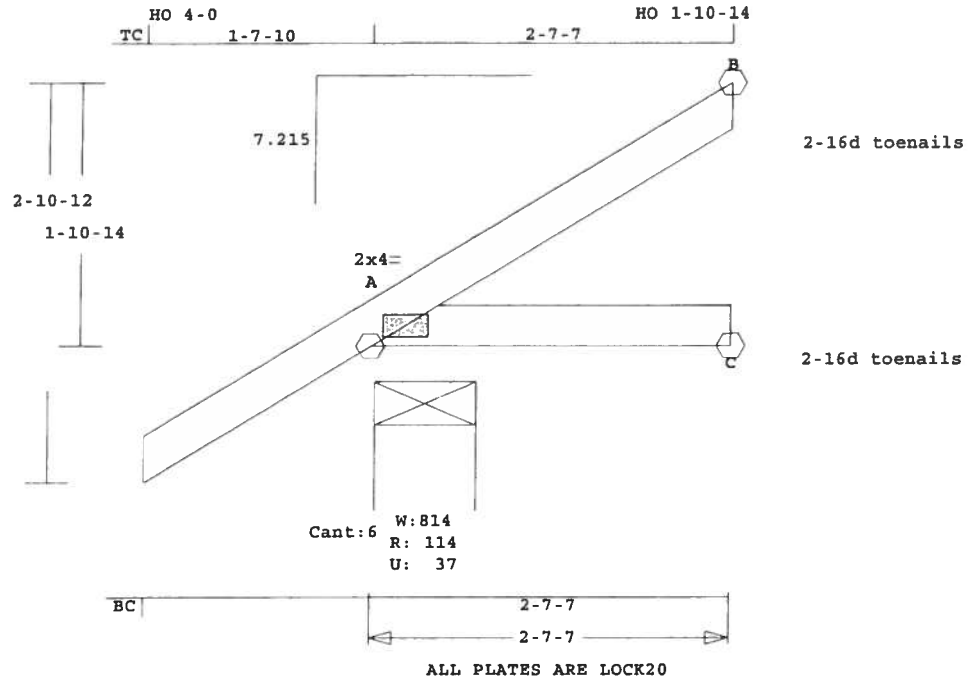
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P O Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	CJ1	2	JCA2	20707	7.215	1- 7-10	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Scale: 0.719" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 14.6 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	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	2- 7- 7
BC Cont.	0- 0- 0	2- 7- 7

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Load Case # 1 Girder Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

plf -	Live	Dead	From	To
TC V	40	20	0.0'	2.6'
BC V	0	20	0.0'	2.6'
TC V	-40	-20	0.0'	
	-28	-14		2.6'
BC V	0	-20	0.0'	
	0	-14		2.6'

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	114	37	8-14	1- 8
C	10	0	3- 8	1- 8
B	17	9	3- 8	1- 8

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	5	C
B -B	0.00	1	C
--------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 A -B 0.01

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	0.61

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 2- 4- 0

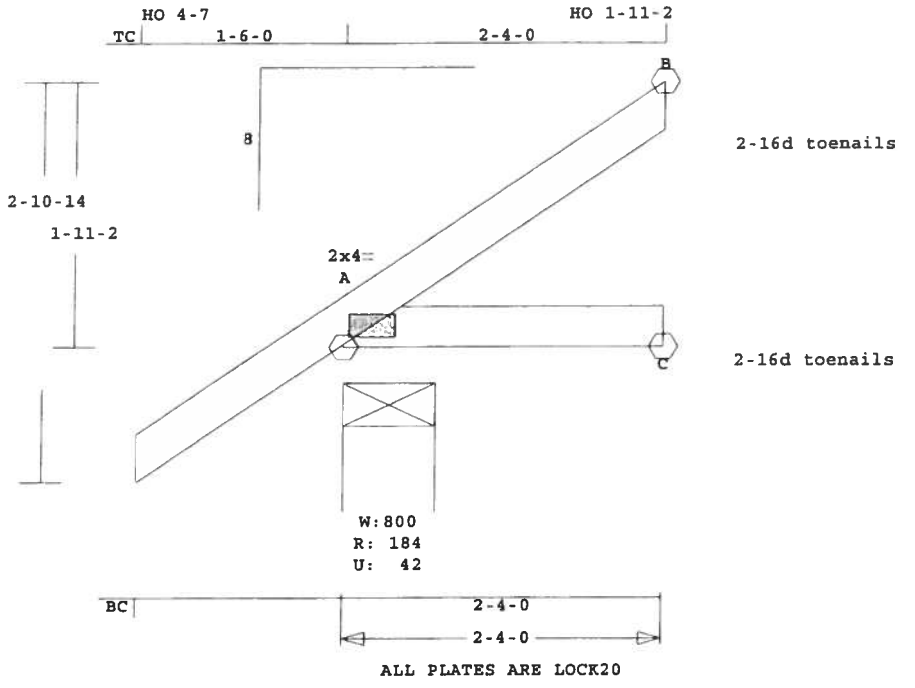
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 5 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	J1	3	JCA2	20400	8	1- 6- 0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



ALL PLATES ARE LOCK20

Scale 0.717" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.03	2x 4	SP-#2
BC	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	2- 4- 0
BC Cont.	0- 0- 0	2- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	184	43	8- 0	1- 8
			Hz =	47
C	44	0	3- 8	1- 8
B	70	39	3- 8	1- 8
			Hz =	32

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.03	27 C	0.00 0.03
B -B	0.00	4 C	

--------Bottom Chords---------

A -C	0.02	0 T	0.00	0.02

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.05

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	0.59

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

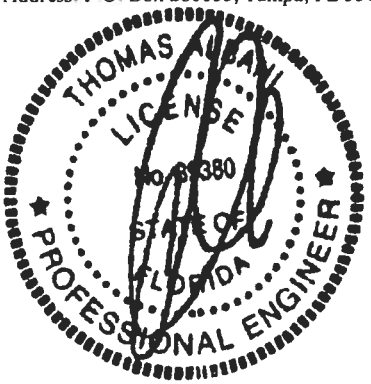
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 27 Lbs
Quality Control Factor 1.25

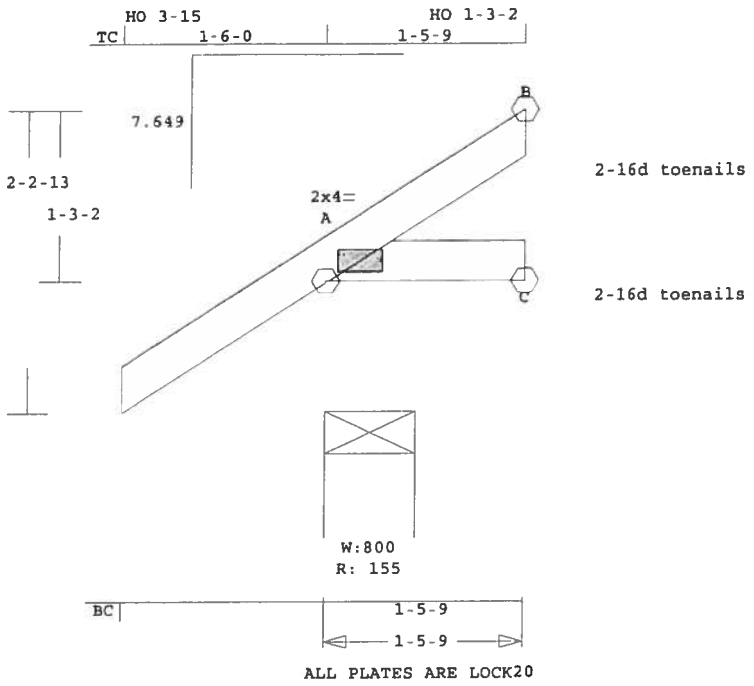
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
GRIMSLEY	J2	2	JCA2	10509	7.649	1- 6- 0	0	T06032065

U# J#GRIMSLEY WILLIAM GRIMSLEY



Scale 0.705" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 9.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 17-MAR-06

	CSI	-Size-	----Lumber----
TC	0.01	2x 4	SP-#2
BC	0.01	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	1- 5- 9
BC Cont.	0- 0- 0	1- 5- 9

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	155	0	3- 8	1- 8
			Hz =	27
B	39	21	1- 8	1- 8
C	22	0	1- 8	1- 8
			Hz =	18

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.01	14 C	0.00 0.01
--------Bottom Chords---------			
A -C	0.01	18 T	0.00 0.01

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.03

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	0.60

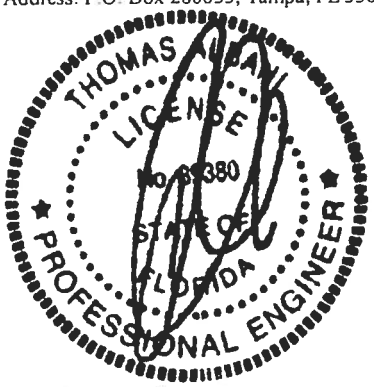
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 14 Lbs
Quality Control Factor 1.25

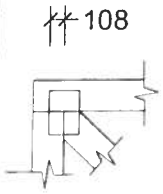
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 3/20/2006

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

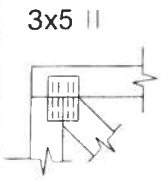
FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)

(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

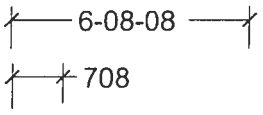
PLATE SIZE AND ORIENTATION

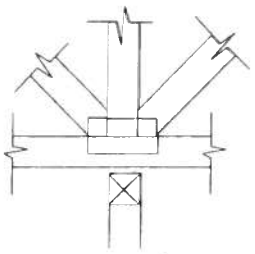


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.
The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA)," National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.

Robbins Engineering, Inc.

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